Software Design Description

For the

HAZUS® Flood Model

April 2009

GEMS Project No. 1800616

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For:

Department of Homeland Security

Emergency Preparedness and Response Directorate

FEMA

Mitigation Division

Washington D.C.

Under a contract with:

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HAZUS Flood Model Software Design Description
Revision Record Sheet

Date	Revision	Description	Author	Reviewer
04/29/2009	1.0	Initial HAZUS Flood Model Software Design Description	Nikolay Todorov	

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Appendices

A. Acronyms

B. Data Dictionary

1. Introduction

1.1 Purpose

The purpose of this Software Design Description (SDD) is to document design information needed for planning, analysis, and implementation of the HAZUS Flood Model. The intent is to break down the system into design entities and describe the important relationship among the entities.

1.2 Background

The overall objective of the HAZUS project is to develop nationally applicable standardized multi-hazard methodologies for estimating potential flood, hurricane, and earthquake losses on a regional basis. The multi-hazard HAZUS is intended to be used by local, state, and regional officials for planning and stimulating mitigation efforts to reduce losses from severe floods, hurricanes, and earthquakes and preparing for emergency response and recovery following these events. Depending on the capability built in for each hazard, the multi-hazard HAZUS may also be used to prepare a near-real-time (rapid loss) estimate following an event.

HAZUS-MH MR4, planned for release in 2009, will be capable of integrated multi-hazard loss estimation and have the following major features:

- A completed Flood Model, a completed Earthquake Model, and a Hurricane Preview Model.
- Capability to run both deterministic and probabilistic scenarios.
- A single, fully integrated set of functions for scenario creation, default inventory and reporting functions for the three models.
- Geographic Information System (GIS) functions.
- Capability to receive user-supplied input for all three models to generate more refined loss estimations.
- Varying degrees of near-real-time analysis for each hazard.
- State-of-the-art software, fully documented with metadata for all databases.

1.3 Scope

This document is intended to show how the HAZUS Flood Model will be structured to satisfy the requirements identified in the HAZUS Flood Model Software Requirements Specifications (SRS). This document describes the design of the Flood Model, including all interfaces with other HAZUS modules. This document does not describe the designs of the other hazard-specific modules (i.e., Earthquake and Hurricane).

The HAZUS-MH Flood Model is one of three components within HAZUS-MH. At installation, the user has the option to install one, two, or all three models. The three components are the Flood, the Earthquake, and the Preview Wind. Assuming installation of more than one of the three components, the user is asked to select which hazard they want to perform an analysis for. There is some limited internal communication between the three models.

The HAZUS-MH software is partitioned into three main design entities: the Data Layer, Application Layer and the Presentation Layer. This document provides the attributes for each design entity, the relationships among entities, interface descriptions and other necessary design details to satisfy the SRS and provide the necessary information for implementation of the software.

1.4 Definitions, Acronyms, and Abbreviations

1.4.1 Definitions

The following definitions are taken from Section 3 of the IEEE Standard 1016-1998:

- Design Entity – An element or component of a design that is structurally and functionally distinct from other elements and that is separately named and referenced.
- Design View – A subset of the design entity attribute that is specifically suited to the needs of a software project activity.
- Entity Attribute – A named characteristic or property of a design entity. It provides a statement of fact about the entity.
- Software Design Description (SDD) – A representation of a software system created to facilitate analysis, planning, implementation, and decision-making. A blueprint or model of

the software system. The SDD is used as the primary medium for communication software design information.

Figure 1-1 summarizes the object modeling notation used in Section 3. The symbols are based on the UML notation used by Ritcher (1999).

The following object modeling terms are also used in Section 3:

- Classes and Objects
  - Coclass – A coclass represents COM objects that can be directly created using the object declaration syntax in a development environment. In Visual C++, this is written with the FooObject pFoo or FooObject *pFoo = new FooObject syntax.
  - Abstract Class – An abstract class cannot be used to create new objects. It is a specification for subclasses.
- Relationships
  - Associations – Associations represent relationships between classes. They have defined multiplicities at both ends.
  - N-aryAssociation – N-ary association specifies that more that two classes are associated. A diamond is placed at the intersection of the association branches.
  - Multiplicity – A Multiplicity is a constraint on the number of objects that can be associated with another object. Association and composition relationships have multiplicities on both sides. The notation for multiplicities is:

    1 – One and only one (if none is shown, one is implied)

    0..1 – Zero or one

    M..N – From M to N (positive integers)

    * or 0..* – From zero to any positive integer

    1..* – From one to any positive integer

Composition – Composition is a stronger form of aggregation in which objects from the “whole” class control the lifetime of objects from the“part”class.

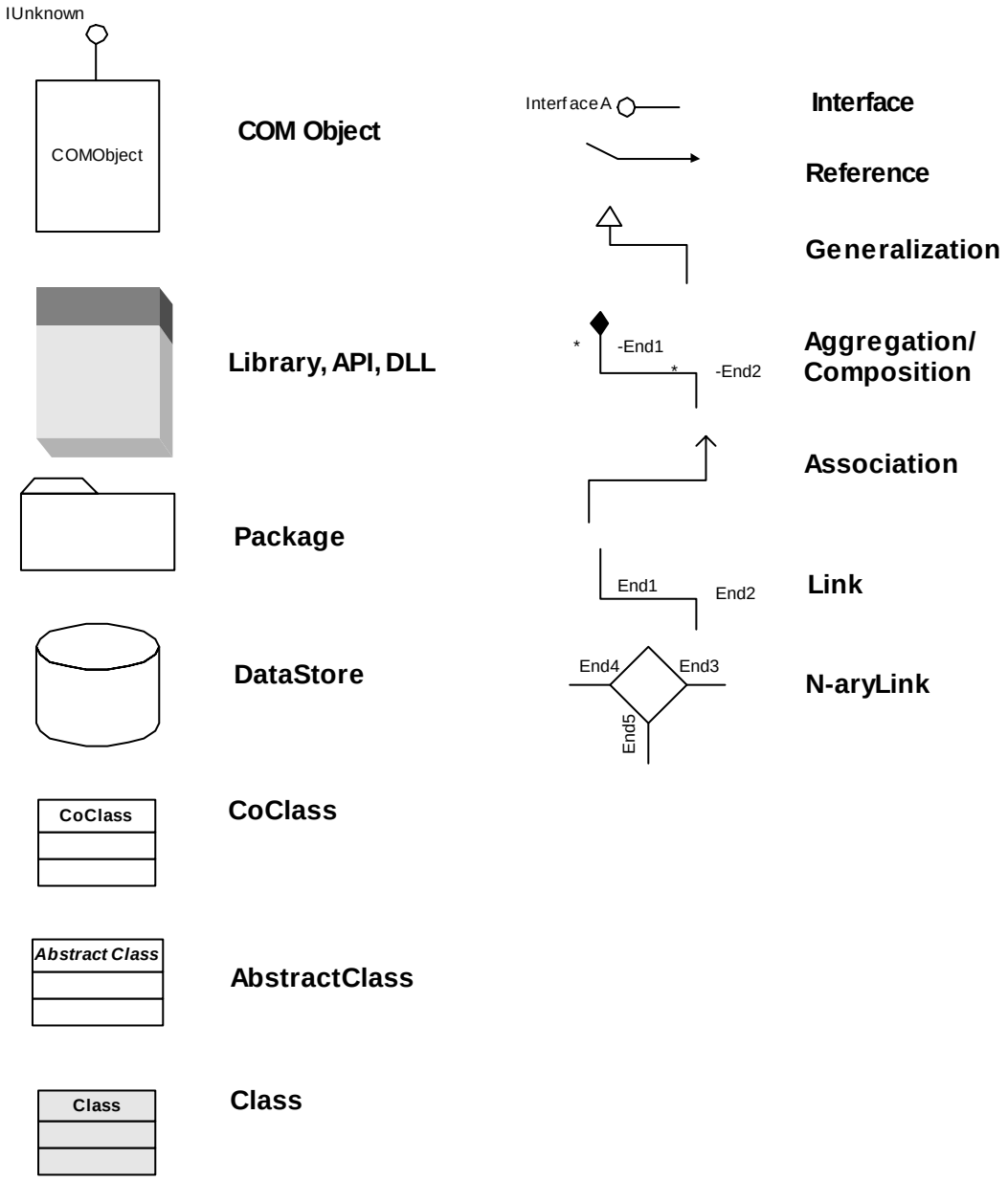

Figure 1-1 Flood Object Model Notation

- Type Inheritance – Type inheritance defines specialized classes that share properties and methods with the superclass and have additional properties and methods.

- Instantiation – Instantiation specifies that one object from one class has a member with which it creates an object from another class.

1.4.2 Acronyms and Abbreviations

See Appendix A, Table A-1, Acronyms, for a listing of acronyms and abbreviations used in this document.

1.5 Document Overview

The Data Layer includes the conceptual and physical data models for the database and the Data Services Package, which will be used to access data from the underlying RDBMS using ActiveX Data Objects (ADO). The Application Layer implements the business logic components. This layer includes the Hazard and Analysis Engines and will also provide a layer of abstraction between the user interface and underlying database. Finally, the Presentation Layer implements the Graphical User Interface (GUI).

These design entities support the Shell and the three main hazard models: Flood, Earthquake, and Hurricane. The HAZUS-MH Shell is the launching application that initiates an interface common across all models that enables the user to choose the study region and the type of hazard (flood, earthquake, or hurricane) that the user wants to work with. The Shell launches one of the three hazard-specific models. The Shell composed of common object classes enables the three-hazard specific models to access common functionality and provide users with a consistent and integrated user interface. Each model will utilize the Shell's common objects initially before initiating the hazard-specific functions and interfaces. The common objects contained in the Shell are included in the SDD for each hazard model in order to provide a comprehensive design specification for each model that will describe how the Shell interacts with the hazard model components. The HAZUS-MH Flood Model is the application that the user will use to evaluate the effects of flooding on a particular study region. This SDD focuses exclusively on the Flood Model and its interaction with the Shell.

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2. References

The following documents are referenced throughout the SDD and contain important information related to the SDD.

1. “HAZUS-MH registry Structure”: outlines the detailed structure of the Windows registry used by HAZUS-MH

2. “HAZUS-MH CD Packaging and Distribution Layout”: outlines the packaging and CD layout format of HAZUS-MH shipped to the user.

3. “HAZUS-MH Setup Design Document”: outlines the steps and features implemented by the HAZUS-MH setup program.

4. ABSG Consulting Inc., “Draft HAZUS Flood Model Product Requirements Document (Revision 3.0),” Developed for the National Institute of Building Sciences (NIBS), Washington DC, September 1, 2001.

5. ABS Consulting Inc., “Draft HAZUS Flood Model Software Requirements Specification Revision 5.0”, Developed for the National Institute of Building Sciences (NIBS), Washington DC, November 30, 2002.

6. EQE, DTI, ARA, “Minutes of February 16, HAZUS Software Contractors Meeting”, Raleigh, NC, February 16, 1999.

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8. EQE International, “HAZUS Flood FIT Tool Software Specification Document Revision 1.0”, Developed for the National Institute of Building Sciences (NIBS), Washington DC, May 11, 2001.

9. ABS Consulting, “Final Technical Memorandum: Flood Hazard Inventory – Valuation, Direct Physical Damage, Direct and Indirect Economic Loss, and Additional Capabilities,” Developed for the National Institute of Building Sciences (NIBS), Washington DC, January 3, 2002.

10. National Institute of Building Sciences (NIBS), “HAZUS Users Manual – Earthquake Loss Estimation Methodology,” Prepared for FEMA, Washington DC, 1997.

11. Applied Research Associates, Inc. “Draft Detail Design Specification for the HAZUS Hurricane Preview Model (Revision 0.3),” Developed for FEMA, January 18, 2002.

12. ANSI/IEEE 1016-1998, “Recommended Practice for Software Requirements Documents” Institute of Electrical and Electronics Engineers, Inc., New York, 1998.

13. ANSI/IEEE 829-1998, “Standards for Software Test Documentation”, Institute for Electrical and Electronics Engineers, Inc., New York, 1998.

14. ANSI/IEEE 1016-1998, “Recommended Practice for Software Design Descriptions” Institute of Electrical and Electronics Engineers, Inc., New York, 1998.

3. Architectural Design

3.1 Decomposition Design Description

This section describes the partitioning of the Flood Model software system into its three major design entities: Data layer (Section 3.1.1), Application layer (Section 3.1.2), and Presentation layer (Section 3.1.3). The FL model architecture can be further decomposed into the database and the software design libraries listed in Table 3-1 Software Design Libraries.

Table 3-1 Software Design Libraries

Library Name	Source Code	Description
hzFlDaCore.dll	C++	Data Layer
hzFlDts.dll	C++	Data Layer
flAG.dts	SQL	Data Layer
flBASE.dts	SQL	Data Layer
flDMRSFN.dts	SQL	Data Layer
flECON.dts	SQL	Data Layer
flEF.dts	SQL	Data Layer
flFloodDfltTables.dts	SQL	Data Layer
flGBS.dts	SQL	Data Layer
flMR3Imp.dts	SQL	Data Layer
flMSH.dts	SQL	Data Layer
flTRN.dts	SQL	Data Layer
flUTIL.dts	SQL	Data Layer
flVEH.dts	SQL	Data Layer
flVIEW.dts	SQL	Data Layer
flVIEW.dts	SQL	Data Layer
hzFlAnWorkFlow.dll	VB	Application Layer
hzFlWfHelper.dll	C++	Application Layer
hzFlMathLib.dll	C++	Application Layer
hzFlMessages.dll	C++	Application Layer
hzFlStudyCaseMgr.dll	C++	Application Layer
hzFlAnIELM.dll	C++	Application Layer
hzflAddAgriTheme.dll	VB	Application Layer
hzflAddGridtoMap.dll	VB	Application Layer
hzFlAgriAnalysis.dll	VB	Application Layer
hzFlAnAgriDmg.dll	VB	Application Layer
hzflAgriImport.dll	VB	Application Layer
hzFlAnAnnualize.dll	VB	Application Layer
hzFlAnStockDmg.dll	VB	Application Layer

Library Name	Source Code	Description
hzFlAnCoastal.dll	VB	Application Layer
hzFlAnDamageFn.dll	VB	Application Layer
hzFlAnDebris.dll	VB	Application Layer
hzFlAnEFDmg.dll	VB	Application Layer
hzFlAnHydraulics.dll	VB	Application Layer
CoreOfHydraulics.exe	VB	Application Layer
hzFlAnNetwork.dll	VB	Application Layer
hzFlAnHydrology.dll	VB	Application Layer
hzFlAnScenario.dll	VB	Application Layer
hzFlAnShelter.dll	VB	Application Layer
hzFlAnTransDmg.dll	VB	Application Layer
hzFlAnUDEFDmg.dll	VB	Application Layer
hzFlAnUtilDmg.dll	VB	Application Layer
hzFlAnVehDmg.dll	VB	Application Layer
FIT.dll	VB	Application Layer
hzFlVbDialogs.dll	VB	Presentation Layer
hzFlBrowser.dll	C++	Presentation Layer
hzFlBrowserDlg.dll	C++	Presentation Layer
hzFlMapControl.dll	C++	Presentation Layer
hzFlMiscDlgs.dll	C++	Presentation Layer
hzCoUiControl.dll	C++	Presentation Layer
hzEqUiControl.dll	C++	Presentation Layer
hzHuUiControl.dll	C++	Presentation Layer
hzFlUiControl.dll	C++	Presentation Layer
hzFlEntryPoints.dll	VB	Presentation Layer

Figure 3-1 High-Level Architecture Diagram for the Flood Model shows the relationships between the three software layers, the database, and the third party libraries used by the FL model. Each dependency is directed toward the layer (or library) being accessed. It indicates that one or more entities in the source must access entities in the destination library.

The FL model software system is built using Microsoft's Component Object Model (COM) written in Visual Studio 6 (C++) and Visual Basic 6 (VB). Each FL software library consists of one or more COM objects. Developing with COM demands well-defined interfaces. All communication between objects is made via their interfaces. COM interfaces by definition are abstract, meaning there is no implementation associated with an interface. The code associated with an interface comes from a coclass implementation. Put succinctly, the interface

of a COM object defines what the object can do and the coclass defines how it is done. VB projects share standard procedural (non-class) modules grouped by function and usage.

3.1.1 Data Layer Design Description

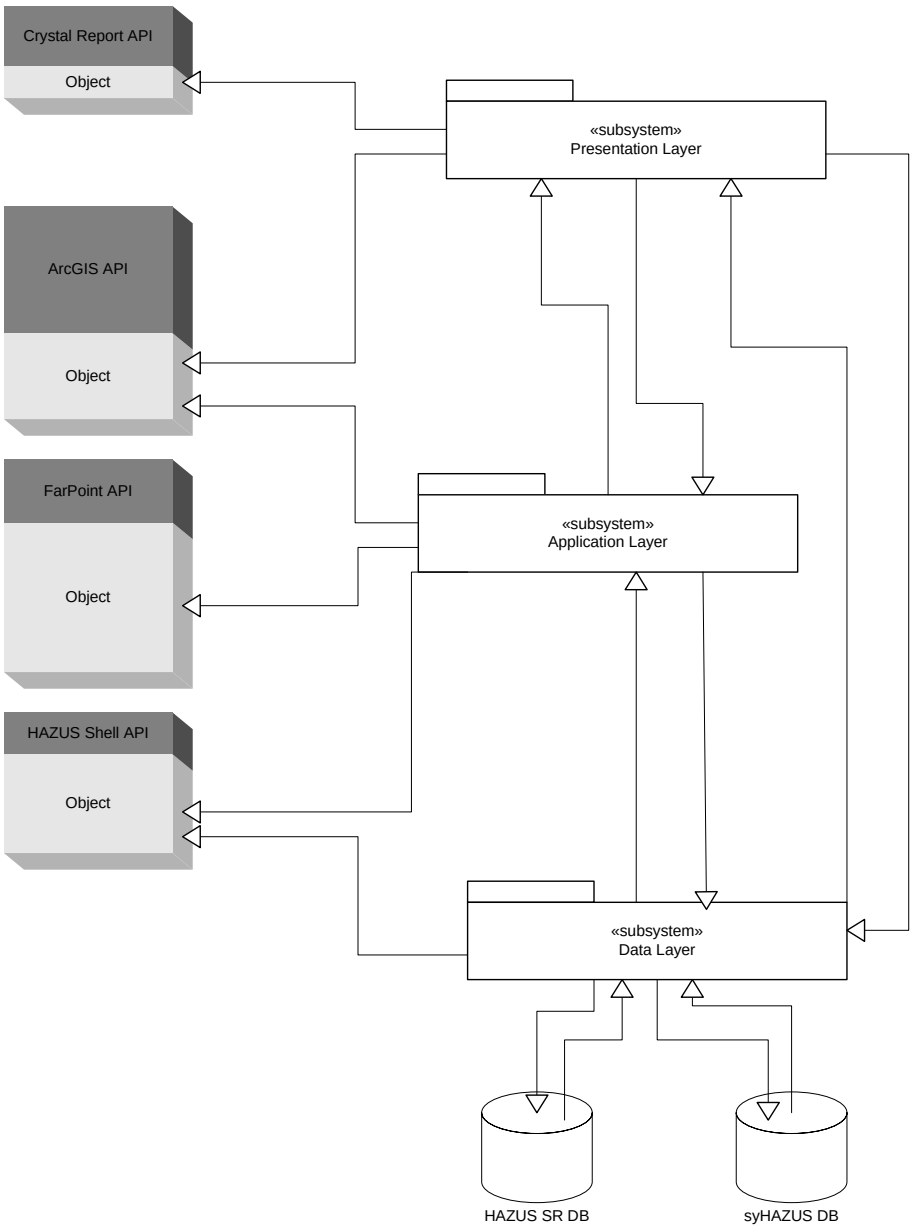

Figure 3-1 High-Level Architecture Diagram for the Flood Model

3.1.1.1 Conceptual Data Model

This section describes the Conceptual Data Model (CDM) for the FL model portion of the HAZUS database. The Entity-Relationship Diagrams (ERD) in this section provide a conceptual view of the FL model. Entities common to all hazards are denoted by an “hz” prefix. Template entities specific to flood (FL) hazards are denoted by an “fl” prefix. System entities, which are flood-specific, are denoted by the suffix “fl”. Entities that share common attributes are associated through inheritance.

3.1.1.1.1 System Data Model

As mentioned earlier, the system data model (syHAZUS) contains the tables used globally by HAZUS. These tables are used to store Peril-specific, UI, and Support Data. The FL model has a limited use of the system data model.

3.1.1.1.1.1 Common Hazard and System Tables

The user begins an analysis by creating a study region. The data describing each study region, such as date created, last accessed, applicable hazards, and their respective AALs are stored in the syStudyRegion table.

Figure 3-2 System Level – Hazard Scenario Tables depicts the system data model CDM. The FL model has a limited use of the system data model outside of the common HAZUS Shell APIs. The Shell aggregates an FL SR and populates the system data model accordingly. The FL model SR and scenario specific data is stored in the template data model discussed further in Section 3.1.1.1.2.

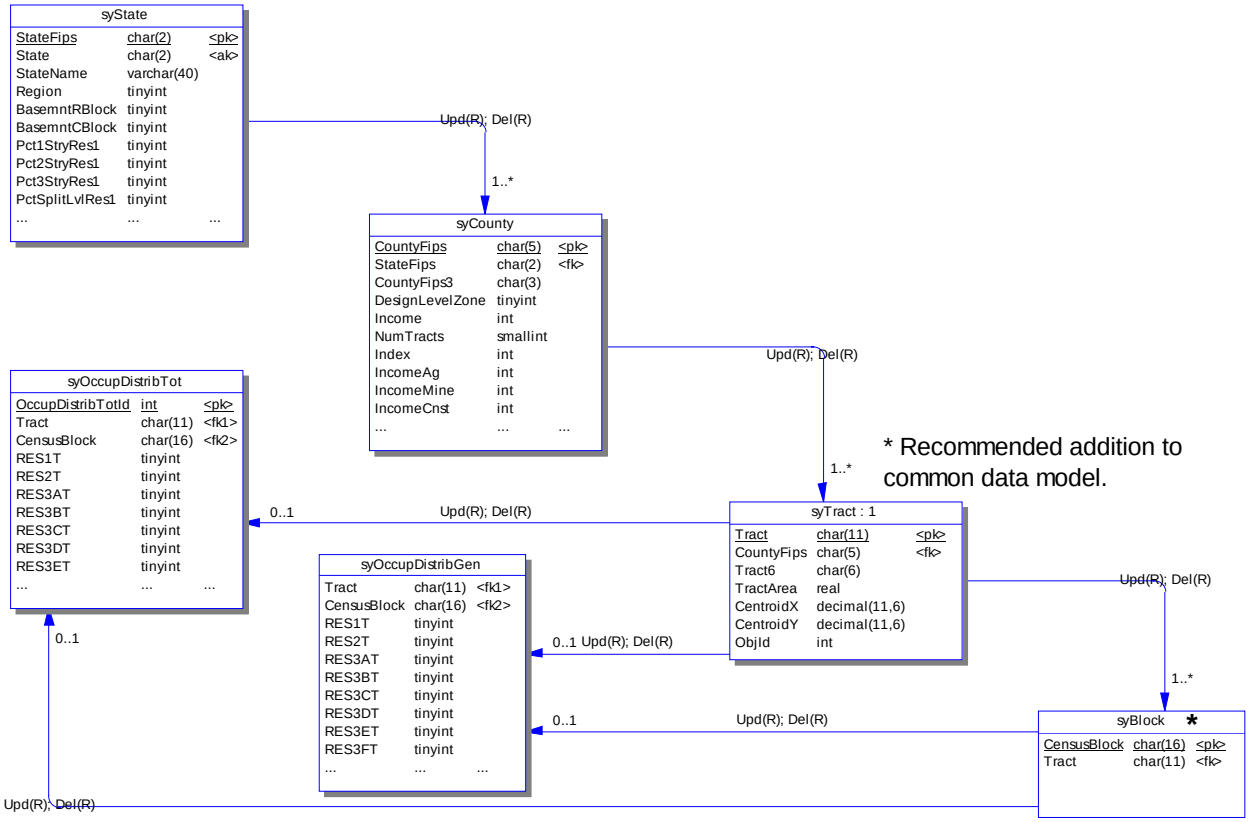

Figure 3-2 System Level – Hazard Scenario Tables

3.1.1.1.1.2 Flood-Specific Support Tables

Upon HAZUS installation five FL tables are imported and populated via Data Transformation Services (DTS) in the system data model.

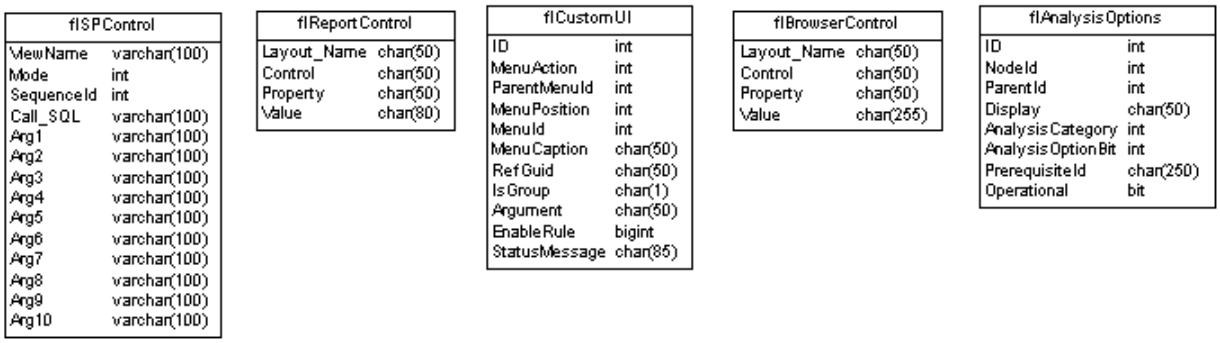

Figure 3-3 Flood Specific Support Tables

- flSPControl – a support table required by the FL Dynamic Data Browser to execute certain SQL Server Stored Procedures in certain order so the dynamic views pending display are updated. The use and contents of this table will be discussed in more detail in Section 3.1.3.2.

- flReportControl – a table required by the FL Results / Summary Reports Dialog to describe the GUI Layout and all associated attributes with dynamically instantiating the Crystal Report templates. The use and contents of this table will be discussed in more detail in Section 3.1.3.2.

- flBrowserControl – a table required by the FL Dynamic Data Browser to describe the Layout and all associated controls of the dynamically instantiated templates. The use and contents of this table will be discussed in more detail in Section 3.1.3.2.

- flCustomUI – a table required for the FL Model GUI to reconstruct the ArcMap Menu Bar by adding specific HAZUS FL GUI, and in addition to function “intelligently”, that is, to keep track of specific SR progress and enable only the menus that are feasible at a current SR processing phase. The use and contents of this table will be discussed in more detail in Section 3.1.3.2.

- flAnalysisOptions – a table required by the FL Model Analysis / Run Dialog to describe the GUI Layout and dependencies of the various FL analyses. The use and contents of this table will be discussed in more detail in Section 3.1.3.2.

3.1.1.1.2 Template Database Model

When the user creates a new study region, HAZUS will execute an SQL script that copies the template tables and populates them with data specific to the new study region.

The Template CDM is divided into the following components:

- Inventory
  - Common Hazard Study Region Tables
  - Study Region and Scenario Tables
  - Damage and Loss Function Tables
  - General Building Stock Tables

  - Essential Facility Tables
  - High Potential Loss Facilities
  - User-Defined Facility Tables
  - Transportation System Tables
  - Utility System Tables
  - Hazardous Material Tables
  - Demographic Tables
  - Agricultural Product Tables
  - Vehicle Tables
- Analysis Parameters
- Flood Results

Note that Hazardous Materials, High Potential Loss Facilities, Highway Tunnels, Highway Segments, Railway Tunnels, Railway Segments, Light Rrail Tunnels, Light Rail Segments, Airport Runways, as well as Railway, Light Rail, Bus, Port, Ferry, Airport Facilities inventory items are only available for mapping in the FL model. A summary of map display and analysis options for each inventory item is provided in Table 3-2 Inventory Items.

Table 3-2 Inventory Items

Inventory Item	Map Display	Analysis Options				
		Damage %	Economic Loss	Loss of Function	Debris	Shelter
General Building Stock	☑	☑	☑		☑	☑
Essential Facilities	☑	☑	☑	☑		
User-Defined Facilities	☑	☑	☑			
Transportation (Bridges only)	☑	☑	☑	☑		
Utility (select systems)	☑	☑	☑	☑		
Hazardous Materials	☑					
High Potential Loss Facilities	☑					
Agriculture	☑	☑	☑			
Vehicles	☑	☑	☑			

3.1.1.1.2.1 Common Hazard Study Region Tables

Due to lack of relationships in the ERD for the Common Hazard Study Region Tables the CDM ERD is shown as a table (below) with a brief desription of each entity.

Table 3-3 Common Hazard Study Region Tables

Table Name	Description
clGBldgType	Building Types (5)
clGenOccupancy	General Occupancies (7)
clSOccupancy	Flood-specific Occupancies (33)
hzTractInduced	Not used in the FL model
hzAAL3	Table used for enabling Combined AAL report
hzAirportFlty	Airport Facilities
hzBldgCountGBldgTypeB	Bldg Count by General Building Type by CBs
hzBldgCountGBldgTypeT	Not used in the FL model
hzBldgCountOccupB	Bldg Count by CB
hzBldgCountOccupT	Not used in the FL model
hzBusFlty	Bus Facilities
hzCareFlty	Medical Care Facilities
hzCensusBlock	Census Block data
hzCombinedAAL	Table used for enabling Combined AAL report
hzCommunicationFlty	Communication Facilities
hzCounty	County data
hzDams	Dams
hzDemographicsB	Demographics by CB (STF3A extract)
hzDemographicsT	Not used in the FL model
hzElectricPowerFlty	Electric Power Facilities
hzEmergencyCtr	Emergency Operating Centers
hzExposureContentGBldgTypeB	Content Exposure by Building Type by CB
hzExposureContentGBldgTypeT	Not used in the FL model
hzExposureContentOccupB	Content Exposure by Occupancy by CB
hzExposureContentOccupT	Not used in the FL model
hzExposureGBldgTypeB	Structure Exposure by Building Type by CB
hzExposureGBldgTypeT	Not used in the FL model
hzExposureOccupB	Structure Exposure by Occupancy by CB
hzExposureOccupT	Not used in the FL model
hzFerryFlty	Ferry Facilities
hzFireStation	Fire Stations
hzGenBldgScheme	General Building Scheme detail
hzGenBldgSchemes	General Building Scheme catalog
hzHazmat	Hazardous Materials

Table Name	Description
hzHighwayBridge	Highway Bridges
hzHighwaySegment	Highway Segments
hzHighwayTunnel	Highway Tunnels
hzLevees	Levees
hzLightRailBridge	Light Rail Bridges
hzLightRailFlty	Light Rail Facilities
hzLightRailSegment	Light Rail Segments
hzLightRailTunnel	Light Rail Tunnels
hzMeansConstructSchemes	R.S. Means Construction Schemes
hzMeansCountyLocationFactor	R.S. Means Factor by County
hzMilitary	Military Facilities
hzNaturalGasFlty	Natural Gas Facilities
hzNaturalGasPl	Natural Gas Plants
hzNuclearFlty	Nuclear Facilities
hzOilFlty	Oil Facilities
hzOilPl	Oil Plants
hzPctContentOfStructureValue	Pct Contents of Structure by FL SOccup
hzPoliceStation	Police Stations
hzPortFlty	Port Facilities
hzPotableWaterFlty	Potable Water Facilities
hzPotableWaterPl	Potable Water Plants
hzQueryTableInfo	Not used in the FL model
hzQueryTool	Not used in the FL model
hzRailFlty	Railway Facilities
hzRailwayBridge	Railway Bridges
hzRailwaySegment	Railway Segments
hzRailwayTunnel	Railway Tunnels
hzReplacementCost	R.S. Means Replacement Cost by FL SOccup
hzRes1ConstructionWt	R.S. Means RES1 Replacement Cost
hzRes1GarageAdjustment	R.S. Means RES1 Gar Replacement Cost
hzRes1ReplCost	R.S. Means RES1 Height Replacement Cost
hzRunway	Runways
hzSchool	Schools
hzSqFootageGBldgTypeB	Square Footage by Building Type by CB
hzSqFootageGBldgTypeT	Not used in the FL model
hzSqFootageOccupB	Square Footage by FL SOccup by CB
hzSqFootageOccupT	Not used in the FL model
hzSqftFactors	Square Footage Factors
hzTract	Census Tract data
hzUserDefinedFlty	User-Defined Facilities

Table Name	Description
hzWasteWaterFlty	Waste Water Facilities
hzWasteWaterPl	Waste Water Plants

3.1.1.1.2.2 Study Region and Scenario Tables

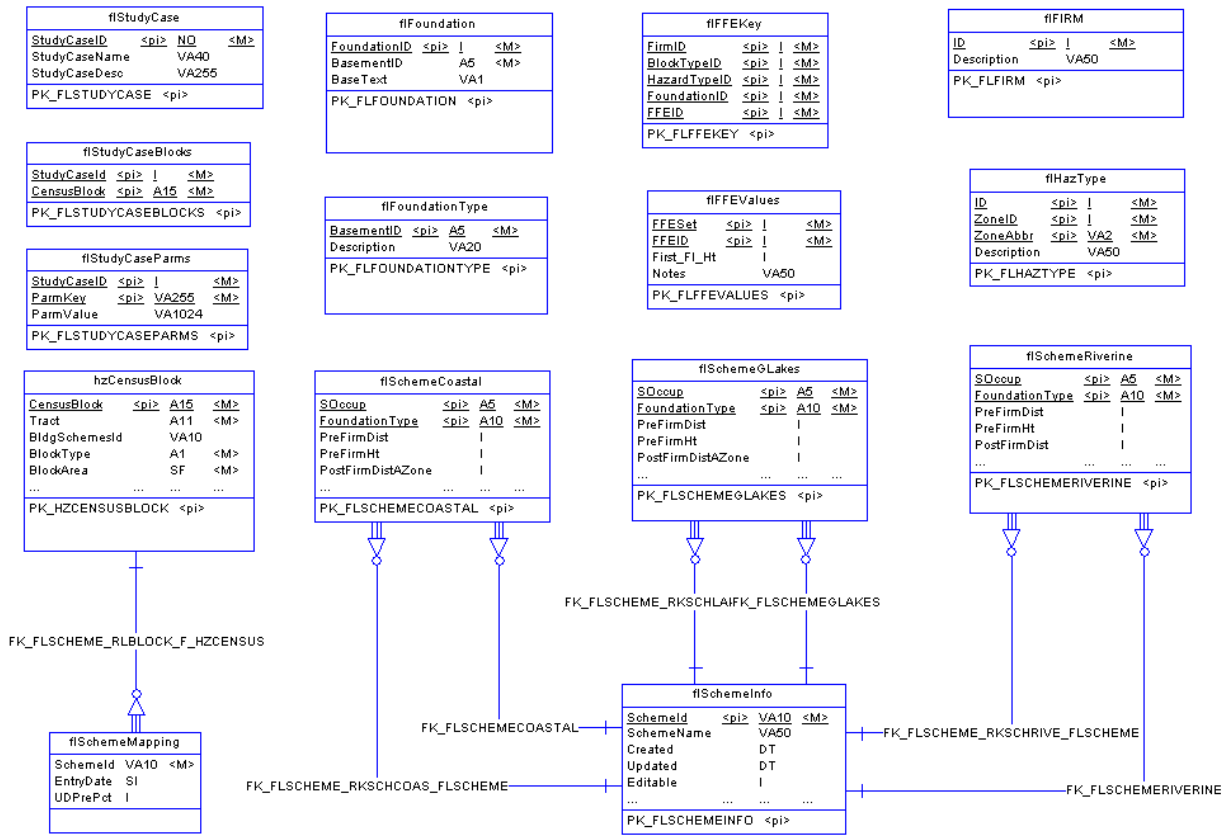

Figure 3-4 Study Region and Scenario Tables

Historically FL model refered to Study Region (SR) and Study Case (SC). Study Case in MR3 was renamed to Scenario in GUI and documentation for compliance with the other 2 HAZUS models. However, such change was not propagated throughout the FL schema and code. Table names including “StudyCase”, and “SC” abbreviations pertain to “Scenario” and will be used interchangeably throughout this document. Figure 3-4 Study Region and Scenario Tables shows SR, SC tables in the template FL data model.

During the domain analysis phase it was determined that the Scenario based tables belong in the template (SR) schema, not in the system (syHazus).

- flStudyCase – in the template FL data model contains SC ID, Name and Description similarly to the syStudyRegion in the system data model.

- flStudyCaseParms – keeps track of SC progress as well as SR and SC related parameters. The SR-related items have StudyCaseID = 0, whle the SC-related rows have their corresponding StudyCaseID.

- flStudyCaseBlocks – is a table where Floodplain Delineation process inserts SC ID and CBs in. These CBs are then used in the Area Weighted (AW) process to subsequently populate the flAnAreaWeighted table.

- flSchemeMapping – is a table that keeps FL-Specific Mapping Schemes association with respect to each Census Block, as well as each Census Block (CB) EntryDate into the NFIP thus distinguishing PreFIRM and PostFIRM for the said CB. Original HAZUS-MH to MR3 the updating the EntryDate was responsibility of the end user on per SR basis. Starting with MR4 the FL model development team has made strides to ease this burden. Through sophisticated preprocessing of all US incorporated communities that have entered the NFIP those dates have been propagated to the CBs which centroids fall within their related communities.

- flSchemeInfo – is the template FL data model container for the default and user-defined FL-Specific Mapping Schemes similarly to what the flStudyCase table is for Scenarios. It contains the following information Scheme ID, Name, Description, Created, Updated, and Editable. Each State by default has three Default Mapping Schemes CoastalDflt, GLakesDflt, RiverineDflt. The default SchemeIDs for example for New York are NYC00001, NYL00001, NYR00001.

- flSchemeCoastal – 231 rows per FL-specific Mapping Scheme, 33 Specific Occupancies x 7 Foundation types. Each Coastal Mapping Scheme, for example NYC00001 is the default NY Coastal Mapping Scheme, identified by HazardType C, provides PreFIRM, PostFIRMAZone and PostFIRMVZone percentage distribution. Originally, this table provided the PreFIRM, PostFIRMAZone and PostFIRMVZone heights. Upon further experts recommendations and FL development team analysis it was decided to factor first floor heights out of the FL Mapping Schemes as they seldomly vary by State by Hazard (C, L, R) and the pair of tables flFFEKey, flFFEValues were added.

- flSchemeGLakes – 231 rows per FL-specific Mapping Scheme, 33 Specific Occupancies x 7 Foundation types. Each Great Lakes Mapping Scheme, for example NYL00001 is the default NY Great Lakes Mapping Scheme, identified by HazardType L, provides PreFIRM, PostFIRMAZone and PostFIRMVZone percentage distribution. Originally, this table provided the PreFIRM, PostFIRMAZone and PostFIRMVZone heights. Upon further recommendation by experts and FL development team analysis it was decided to factor first floor heights out of the FL Mapping Schemes as they seldomly vary by State by Hazard (C, L, R) and the pair of tables flFFEKey, flFFEValues were added.

- flSchemeRiverine – 231 rows per FL-specific Mapping Scheme, 33 Specific Occupancies x 7 Foundation types. Each Mapping Scheme, for example NYR00001 is the default NY Riverine Mapping Scheme, identified by HazardType R, provides PreFIRM and PostFIRM percentage distribution. Originally, this table provided the PreFIRM and PostFIRM heights. Upon further recommendation by experts and FL development team analysis it was decided to factor first floor heights out of the FL Mapping Schemes as they seldomly vary by State by Hazard (C, L, R) and the pair of tables flFFEKey, flFFEValues were added.

- FlFFEKey – A 168 row table, 2 FIRMs (Pre, Post) x 3 BlockTypes (C, L, R) x 4 HazardTypes (R, A, CA, CV) x 7 FoundationType (Pile, Pier, Solid Wall, Basement, Crawl Space, Fill, Slab on Grade). Each row is identified by a FFEID (1-56).

- flFFEValues – A 112 row table – the FL experts recommended 2 sets of First Floor Elevation (FFEs – Default and User-Defined) x 56 FFEIDs. The column First_Fl_Ht provides the First Floor Height.

3.1.1.1.2.3 Damage and Loss Function Tables

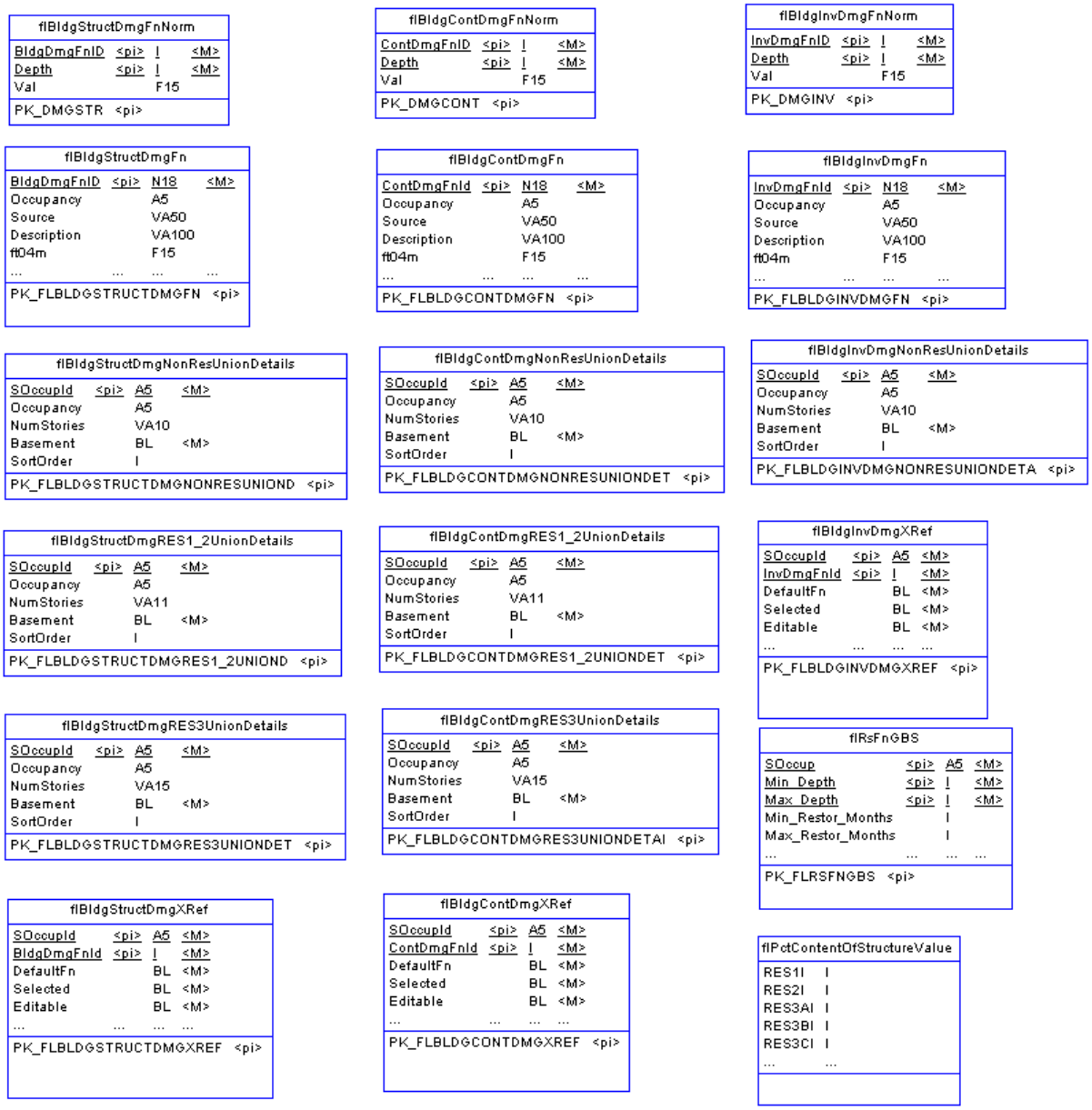

Figure 3-5 Flood Damage and Loss Function Tables
General Building Stock – Structure, Contents, and Inventory

The “fl” suffix denotes FL-specific tables, “flAn” denotes Analysis tables, “flAnDebris”– Debris Analysis tables, “flAnGBS” – General Building Stock tables, “flBldgCont”, “flBldgInv”, “flBldgStruct” – Building Content, Inventory and Structure tables, “Dist” – Distribution, “Dmg” denotes damage, “DmgFn” – Damage Functions, “XRef” – cross reference table, which provides the means for modeling the many-to-many relationships, “Norm” – a table that has been

normalized, “EssntFlty” – Essential Facilities, “SOccup” – FL-Specific Occupancy, “FR” - Final Results.

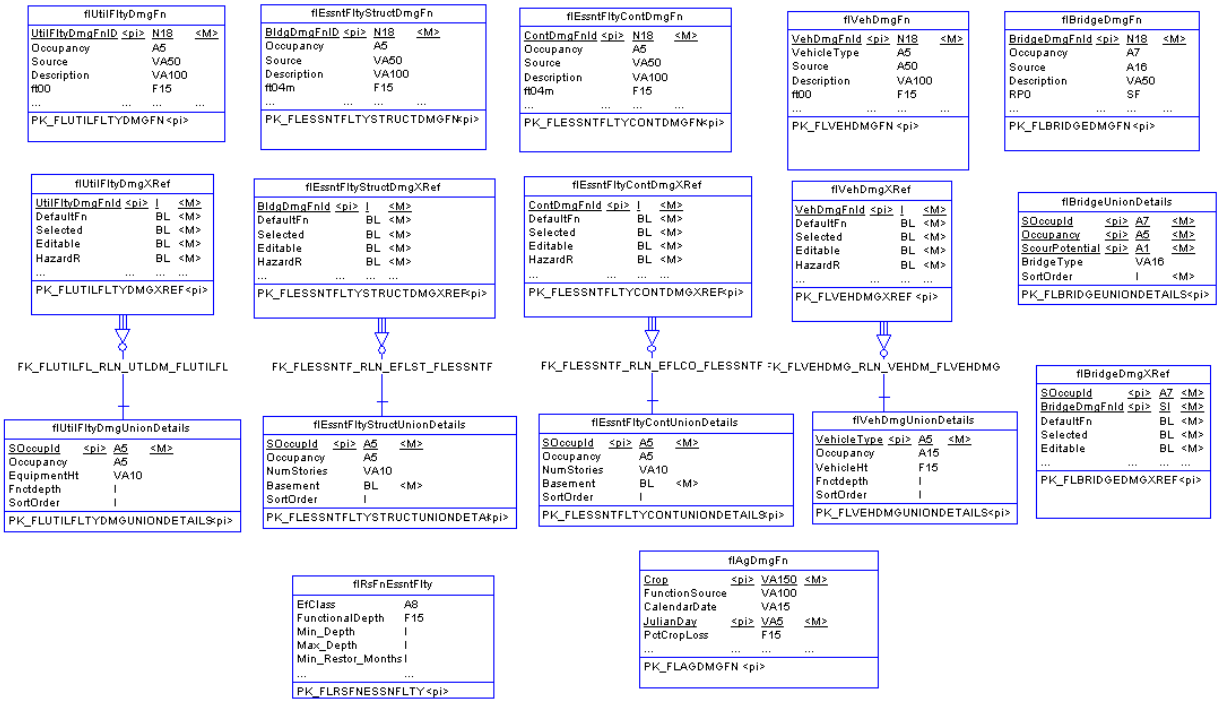

Figure 3-6 Flood Damage and Loss Function Tables
Essential Facilities, Transportation, Vehicles, and Agriculture

3.1.1.1.2.4 General Building Stock Tables

Table 3-4 Flood-Specific Occupancy Mapping

SOccup	SpecOccupDesc	GenOccup	GenOccupDesc
RES1	SingleFamilyDwelling	RES	Residential
RES2	ManufacturedHome	RES	Residential
RES3A	MultiFamilyDwellingA	RES	Residential
RES3B	MultiFamilyDwellingB	RES	Residential
RES3C	MultiFamilyDwellingC	RES	Residential
RES3D	MultiFamilyDwellingD	RES	Residential
RES3E	MultiFamilyDwellingE	RES	Residential
RES3F	MultiFamilyDwellingF	RES	Residential
RES4	TemporaryLodging	RES	Residential
RES5	InstitutionalDormitory	RES	Residential
RES6	NursingHome	RES	Residential

SOccup	SpecOccupDesc	GenOccup	GenOccupDesc
COM1	RetailTrade	COM	Commercial
COM2	WholesaleTrade	COM	Commercial
COM3	PersonalandRepairService	COM	Commercial
COM4	Financial/Professional/TechnicalServices	COM	Commercial
COM5	Banks	COM	Commercial
COM6	Hospitals	COM	Commercial
COM7	Medical Offices/Clinic	COM	Commercial
COM8	Entertainment&Recreation	COM	Commercial
COM9	Theaters	COM	Commercial
COM10	Parking	COM	Commercial
IND1	Heavy	IND	Industrial
IND2	Light	IND	Industrial
IND3	Food/Drug/Chemical	IND	Industrial
IND4	Metals/MineralsProcessing	IND	Industrial
IND5	HighTechnology	IND	Industrial
IND6	Construction	IND	Industrial
AGR1	Agriculture	AGR	Agriculture
REL1	Church	REL	Religion/Non-Profit
GOV1	GeneralServices	GOV	Government
GOV2	EmergencyResponse	GOV	Government
EDU1	Schools	EDU	Education
EDU2	Colleges/Universities	EDU	Education

Table 3-5 hzReplacementCost – Replacement Cost by Specific Occupancy (non-RES1)

Occupancy	HazusDefinition	OccupancyExample	MeansModelDesc	MeansCost
RES1	Single Family Dwelling	Refer to hzRES1ReplCost	NULL	NULL
RES2	Manufactured Housing	Manufactured Housing	75% @ 850 SF (Single Wide)	35.75
RES3A	Multi Family Dwelling small	Duplex	SFR Avg 2 St., MF adj, 3000 SF	79.48
RES3B	Multi Family Dwelling small	Triplex/Quads	SFR Avg 2 St., MF adj, 3000 SF	86.6
RES3C	Multi Family Dwelling medium	5-9 units	Apt, 1-3 st, 8,000 SF (M.010)	154.31
RES3D	Multi Family Dwelling medium	10-19 units	Apt., 1-3 st., 12,000 SF (M.010)	137.67
RES3E	Multi Family Dwelling large	20-49 units	Apt., 4-7 st., 40,000 SF (M.020)	135.39

Occupancy	HazusDefinition	OccupancyExample	MeansModelDesc	MeansCost
RES3F	Multi Family Dwelling large	50+ units	Apt., 4-7 st., 60,000 SF (M.020)	131.93
RES4	Temp. Lodging	Hotel, medium	Hotel, 4-7 st., 135,000 SF(M.350)	132.52
RES5	Institutional Dormitory	Dorm, medium	College Dorm, 2-3 st, 40,000 SF (M.130)	150.96
RES6	Nursing Home	Nursing home	Nursing Home, 2 st., 25,000 SF (M.450)	126.95
COM1	Retail Trade	Dept Store, 1 st	Store, Dept., 1 st., 110,000 SF (M.610)	82.63
COM2	Wholesale Trade	Warehouse, medium	Warehouse, 30,000 SF (M.690)	75.95
COM3	Personal and Repair Services	Garage, Repair	Garage, Repair, 4,000 SF (M.290)	102.34
COM4	Professional/ Technical/Business Service	Office, Medium	Office, 5-10 st., 100,000 SF (M.470)	133.43
COM5	Banks	Bank	Bank, 1 st., 4100 SF (M.050)	191.53
COM6	Hospital	Hospital, Medium	Hospital, 2-3 st., 55,000 SF (M.330)	224.29
COM7	Medical Office/Clinic	Med. Office, medium	Medical office, 2 st., 7,000 SF (M.410)	164.18
COM8	Entertainment & Recreation	Restaurant	Restaurant, 1 st., 5,000 SF (M.530)	170.51
COM9	Theaters	Movie Theatre	Movie Theatre, 12,000 SF (M.440)	122.05
COM10	Parking	Parking garage	Garage, Pkg, 5 st., 145,000 SF (M.270)	43.72
IND1	Heavy	Factory, small	Factory, 1 st., 30,000 SF (M.200)	88.28
IND2	Light	Warehouse, medium	Warehouse, 30,000 SF (M.690)	75.95
IND3	Food/Drugs/Chemicals	College Laboratory	College Lab, 1 st., 45,000 SF (M.150)	145.07
IND4	Metals/Minerals Processing	College Laboratory	College Lab, 1 st., 45,000 SF (M.150)	145.07
IND5	High Technology	College Laboratory	College Lab, 1 st., 45,000 SF (M.150)	145.07
IND6	Construction	Warehouse, medium	Warehouse, 30,000 SF (M.690)	75.95
REL1	Church	Church	Church, 1 st., 17,000 SF (M.090)	138.57
AGR1	Agriculture	Warehouse, medium	Warehouse, 30,000 SF (M.690)	75.95

Occupancy	HazusDefinition	OccupancyExample	MeansModelDesc	MeansCost
GOV1	General Services	Town Hall, small	Town Hall, 1 st., 11,000 SF (M.670)	107.28
GOV2	Emergency Response	Police Station	Police Station, 2 st., 11,000 SF (M.490)	166.59
EDU1	Schools/Libraries	High School	School, High, 130,000 SF (M.570)	115.31
EDU2	Colleges/Universities	College Classroom	College Class. 2-3 st, 90,000 SF (M.120)	144.73

Table 3-6. Specific Occupancy IDs – Composed of FL-specific Occupancy, No. Stories, and Basement

SOccupID	Specific Occupancy	General Occupancy	Residential Stories / Rise	No Basement / Basement
R11B	RES1	Single Family Dwelling	1 story	Basement
R11N	RES1	Single Family Dwelling	1 story	No Basement
R12B	RES1	Single Family Dwelling	2 story	Basement
R12N	RES1	Single Family Dwelling	2 story	No Basement
R13B	RES1	Single Family Dwelling	3 story	Basement
R13N	RES1	Single Family Dwelling	3 story	No Basement
R1SB	RES1	Single Family Dwelling	Split level	Basement
R1SN	RES1	Single Family Dwelling	Split level	No Basement
R21B	RES2	Manufactured Home	1 story	Basement
R21N	RES2	Manufactured Home	1 story	No Basement
R3A1B	RES3A	Multi Family Dwelling - small, Duplex	1-2 story	Basement
R3A1N	RES3A	Multi Family Dwelling - small, Duplex	1-2 story	No Basement
R3A3B	RES3A	Multi Family Dwelling - small, Duplex	3-4 story	Basement
R3A3N	RES3A	Multi Family Dwelling - small, Duplex	3-4 story	No Basement
R3A5B	RES3A	Multi Family Dwelling - small, Duplex	5+ story	Basement
R3A5N	RES3A	Multi Family Dwelling - small, Duplex	5+ story	No Basement
R3B1B	RES3B	Multi Family Dwelling - small, Triplex/Quads	1-2 story	Basement
R3B1N	RES3B	Multi Family Dwelling - small, Triplex/Quads	1-2 story	No Basement
R3B3B	RES3B	Multi Family Dwelling - small, Triplex/Quads	3-4 story	Basement
R3B3N	RES3B	Multi Family Dwelling - small, Triplex/Quads	3-4 story	No Basement
R3B5B	RES3B	Multi Family Dwelling - small, Triplex/Quads	5+ story	Basement
R3B5N	RES3B	Multi Family Dwelling - small, Triplex/Quads	5+ story	No Basement
R3C1B	RES3C	Multi Family Dwelling - medium, 5-9 units	1-2 story	Basement
R3C1N	RES3C	Multi Family Dwelling - medium, 5-9 units	1-2 story	No Basement
R3C3B	RES3C	Multi Family Dwelling - medium, 5-9 units	3-4 story	Basement
R3C3N	RES3C	Multi Family Dwelling - medium, 5-9 units	3-4 story	No Basement
R3C5B	RES3C	Multi Family Dwelling - medium, 5-9 units	5+ story	Basement

SOccupID	Specific Occupancy	General Occupancy	Residential Stories / Rise	No Basement / Basement
R3C5N	RES3C	Multi Family Dwelling - medium, 5-9 units	5+ story	No Basement
R3D1B	RES3D	Multi Family Dwelling - medium, 10-19 units	1-2 story	Basement
R3D1N	RES3D	Multi Family Dwelling - medium, 10-19 units	1-2 story	No Basement
R3D3B	RES3D	Multi Family Dwelling - medium, 10-19 units	3-4 story	Basement
R3D3N	RES3D	Multi Family Dwelling - medium, 10-19 units	3-4 story	No Basement
R3D5B	RES3D	Multi Family Dwelling - medium, 10-19 units	5+ story	Basement
R3D5N	RES3D	Multi Family Dwelling - medium, 10-19 units	5+ story	No Basement
R3E1B	RES3E	Multi Family Dwelling - large, 20-49 units	1-2 story	Basement
R3E1N	RES3E	Multi Family Dwelling - large, 20-49 units	1-2 story	No Basement
R3E3B	RES3E	Multi Family Dwelling - large, 20-49 units	3-4 story	Basement
R3E3N	RES3E	Multi Family Dwelling - large, 20-49 units	3-4 story	No Basement
R3E5B	RES3E	Multi Family Dwelling - large, 20-49 units	5+ story	Basement
R3E5N	RES3E	Multi Family Dwelling - large, 20-49 units	5+ story	No Basement
R3F1B	RES3F	Multi Family Dwelling - large, 50+ units	1-2 story	Basement
R3F1N	RES3F	Multi Family Dwelling - large, 50+ units	1-2 story	No Basement
R3F3B	RES3F	Multi Family Dwelling - large, 50+ units	3-4 story	Basement
R3F3N	RES3F	Multi Family Dwelling - large, 50+ units	3-4 story	No Basement
R3F5B	RES3F	Multi Family Dwelling - large, 50+ units	5+ story	Basement
R3F5N	RES3F	Multi Family Dwelling - large, 50+ units	5+ story	No Basement
R4HB	RES4	Temporary Lodging, Hotel, medium	High	Basement
R4HN	RES4	Temporary Lodging, Hotel, medium	High	No Basement
R4LB	RES4	Temporary Lodging, Hotel, medium	Low	Basement
R4LN	RES4	Temporary Lodging, Hotel, medium	Low	No Basement
R4MB	RES4	Temporary Lodging, Hotel, medium	Mid	Basement
R4MN	RES4	Temporary Lodging, Hotel, medium	Mid	No Basement
R5HB	RES5	Institutional Dormitory, Dorm, medium	High	Basement
R5HN	RES5	Institutional Dormitory, Dorm, medium	High	No Basement
R5LB	RES5	Institutional Dormitory, Dorm, medium	Low	Basement
R5LN	RES5	Institutional Dormitory, Dorm, medium	Low	No Basement
R5MB	RES5	Institutional Dormitory, Dorm, medium	Mid	Basement
R5MN	RES5	Institutional Dormitory, Dorm, medium	Mid	No Basement
R6HB	RES6	Nursing Home	High	Basement
R6HN	RES6	Nursing Home	High	No Basement
R6LB	RES6	Nursing Home	Low	Basement
R6LN	RES6	Nursing Home	Low	No Basement
R6MB	RES6	Nursing Home	Mid	Basement
R6MN	RES6	Nursing Home	Mid	No Basement
C1HB	COM1	Retail Trade, Dept Store	High	Basement
C1HN	COM1	Retail Trade, Dept Store	High	No Basement

SOccupID	Specific Occupancy	General Occupancy	Residential Stories / Rise	No Basement / Basement
C1LB	COM1	Retail Trade, Dept Store	Low	Basement
C1LN	COM1	Retail Trade, Dept Store	Low	No Basement
C1MB	COM1	Retail Trade, Dept Store	Mid	Basement
C1MN	COM1	Retail Trade, Dept Store	Mid	No Basement
C2HB	COM2	Wholesale Trade, Warehouse	High	Basement
C2HN	COM2	Wholesale Trade, Warehouse	High	No Basement
C2LB	COM2	Wholesale Trade, Warehouse	Low	Basement
C2LN	COM2	Wholesale Trade, Warehouse	Low	No Basement
C2MB	COM2	Wholesale Trade, Warehouse	Mid	Basement
C2MN	COM2	Wholesale Trade, Warehouse	Mid	No Basement
C3HB	COM3	Personal and Repair Service, Garage	High	Basement
C3HN	COM3	Personal and Repair Service, Garage	High	No Basement
C3LB	COM3	Personal and Repair Service, Garage	Low	Basement
C3LN	COM3	Personal and Repair Service, Garage	Low	No Basement
C3MB	COM3	Personal and Repair Service, Garage	Mid	Basement
C3MN	COM3	Personal and Repair Service, Garage	Mid	No Basement
C4HB	COM4	Financial/Professional/Technical Services, Office	High	Basement
C4HN	COM4	Financial/Professional/Technical Services, Office	High	No Basement
C4LB	COM4	Financial/Professional/Technical Services, Office	Low	Basement
C4LN	COM4	Financial/Professional/Technical Services, Office	Low	No Basement
C4MB	COM4	Financial/Professional/Technical Services, Office	Mid	Basement
C4MN	COM4	Financial/Professional/Technical Services, Office	Mid	No Basement
C5HB	COM5	Banks	High	Basement
C5HN	COM5	Banks	High	No Basement
C5LB	COM5	Banks	Low	Basement
C5LN	COM5	Banks	Low	No Basement
C5MB	COM5	Banks	Mid	Basement
C5MN	COM5	Banks	Mid	No Basement
C6HB	COM6	Hospitals, Medium	High	Basement
C6HN	COM6	Hospitals, Medium	High	No Basement
C6LB	COM6	Hospitals, Medium	Low	Basement
C6LN	COM6	Hospitals, Medium	Low	No Basement
C6MB	COM6	Hospitals, Medium	Mid	Basement
C6MN	COM6	Hospitals, Medium	Mid	No Basement
C7HB	COM7	Medical Offices/Clinic, medium	High	Basement
C7HN	COM7	Medical Offices/Clinic, medium	High	No Basement
C7LB	COM7	Medical Offices/Clinic, medium	Low	Basement
C7LN	COM7	Medical Offices/Clinic, medium	Low	No Basement
C7MB	COM7	Medical Offices/Clinic, medium	Mid	Basement

SOccupID	Specific Occupancy	General Occupancy	Residential Stories / Rise	No Basement / Basement
C7MN	COM7	Medical Offices/Clinic, medium	Mid	No Basement
C8HB	COM8	Entertainment & Recreation, Restaurant	High	Basement
C8HN	COM8	Entertainment & Recreation, Restaurant	High	No Basement
C8LB	COM8	Entertainment & Recreation, Restaurant	Low	Basement
C8LN	COM8	Entertainment & Recreation, Restaurant	Low	No Basement
C8MB	COM8	Entertainment & Recreation, Restaurant	Mid	Basement
C8MN	COM8	Entertainment & Recreation, Restaurant	Mid	No Basement
C9HB	COM9	Theaters, Movie	High	Basement
C9HN	COM9	Theaters, Movie	High	No Basement
C9LB	COM9	Theaters, Movie	Low	Basement
C9LN	COM9	Theaters, Movie	Low	No Basement
C9MB	COM9	Theaters, Movie	Mid	Basement
C9MN	COM9	Theaters, Movie	Mid	No Basement
C10HB	COM10	Parking, Garage	High	Basement
C10HN	COM10	Parking, Garage	High	No Basement
C10LB	COM10	Parking, Garage	Low	Basement
C10LN	COM10	Parking, Garage	Low	No Basement
C10MB	COM10	Parking, Garage	Mid	Basement
C10MN	COM10	Parking, Garage	Mid	No Basement
I1HB	IND1	Heavy, Factory, small	High	Basement
I1HN	IND1	Heavy, Factory, small	High	No Basement
I1LB	IND1	Heavy, Factory, small	Low	Basement
I1LN	IND1	Heavy, Factory, small	Low	No Basement
I1MB	IND1	Heavy, Factory, small	Mid	Basement
I1MN	IND1	Heavy, Factory, small	Mid	No Basement
I2HB	IND2	Light, Warehouse, medium	High	Basement
I2HN	IND2	Light, Warehouse, medium	High	No Basement
I2LB	IND2	Light, Warehouse, medium	Low	Basement
I2LN	IND2	Light, Warehouse, medium	Low	No Basement
I2MB	IND2	Light, Warehouse, medium	Mid	Basement
I2MN	IND2	Light, Warehouse, medium	Mid	No Basement
I3HB	IND3	Food/Drug/Chemical, College Laboratory	High	Basement
I3HN	IND3	Food/Drug/Chemical, College Laboratory	High	No Basement
I3LB	IND3	Food/Drug/Chemical, College Laboratory	Low	Basement
I3LN	IND3	Food/Drug/Chemical, College Laboratory	Low	No Basement
I3MB	IND3	Food/Drug/Chemical, College Laboratory	Mid	Basement
I3MN	IND3	Food/Drug/Chemical, College Laboratory	Mid	No Basement
I4HB	IND4	Metals/Minerals Processing, College Laboratory	High	Basement
I4HN	IND4	Metals/Minerals Processing, College Laboratory	High	No Basement

SOccupID	Specific Occupancy	General Occupancy	Residential Stories / Rise	No Basement / Basement
I4LB	IND4	Metals/Minerals Processing, College Laboratory	Low	Basement
I4LN	IND4	Metals/Minerals Processing, College Laboratory	Low	No Basement
I4MB	IND4	Metals/Minerals Processing, College Laboratory	Mid	Basement
I4MN	IND4	Metals/Minerals Processing, College Laboratory	Mid	No Basement
I5HB	IND5	High Technology, College Laboratory	High	Basement
I5HN	IND5	High Technology, College Laboratory	High	No Basement
I5LB	IND5	High Technology, College Laboratory	Low	Basement
I5LN	IND5	High Technology, College Laboratory	Low	No Basement
I5MB	IND5	High Technology, College Laboratory	Mid	Basement
I5MN	IND5	High Technology, College Laboratory	Mid	No Basement
I6HB	IND6	Construction, Warehouse, medium	High	Basement
I6HN	IND6	Construction, Warehouse, medium	High	No Basement
I6LB	IND6	Construction, Warehouse, medium	Low	Basement
I6LN	IND6	Construction, Warehouse, medium	Low	No Basement
I6MB	IND6	Construction, Warehouse, medium	Mid	Basement
I6MN	IND6	Construction, Warehouse, medium	Mid	No Basement
A1HB	AGR1	Agriculture, Warehouse, medium	High	Basement
A1HN	AGR1	Agriculture, Warehouse, medium	High	No Basement
A1LB	AGR1	Agriculture, Warehouse, medium	Low	Basement
A1LN	AGR1	Agriculture, Warehouse, medium	Low	No Basement
A1MB	AGR1	Agriculture, Warehouse, medium	Mid	Basement
A1MN	AGR1	Agriculture, Warehouse, medium	Mid	No Basement
RE1HB	REL1	Church	High	Basement
RE1HN	REL1	Church	High	No Basement
RE1LB	REL1	Church	Low	Basement
RE1LN	REL1	Church	Low	No Basement
RE1MB	REL1	Church	Mid	Basement
RE1MN	REL1	Church	Mid	No Basement
G1HB	GOV1	General Services, Town Hall, small	High	Basement
G1HN	GOV1	General Services, Town Hall, small	High	No Basement
G1LB	GOV1	General Services, Town Hall, small	Low	Basement
G1LN	GOV1	General Services, Town Hall, small	Low	No Basement
G1MB	GOV1	General Services, Town Hall, small	Mid	Basement
G1MN	GOV1	General Services, Town Hall, small	Mid	No Basement
G2HB	GOV2	Emergency Response, Police Station	High	Basement
G2HN	GOV2	Emergency Response, Police Station	High	No Basement
G2LB	GOV2	Emergency Response, Police Station	Low	Basement
G2LN	GOV2	Emergency Response, Police Station	Low	No Basement
G2MB	GOV2	Emergency Response, Police Station	Mid	Basement

SOccupID	Specific Occupancy	General Occupancy	Residential Stories / Rise	No Basement / Basement
G2MN	GOV2	Emergency Response, Police Station	Mid	No Basement
E1HB	EDU1	Schools/Libraries, High School	High	Basement
E1HN	EDU1	Schools/Libraries, High School	High	No Basement
E1LB	EDU1	Schools/Libraries, High School	Low	Basement
E1LN	EDU1	Schools/Libraries, High School	Low	No Basement
E1MB	EDU1	Schools/Libraries, High School	Mid	Basement
E1MN	EDU1	Schools/Libraries, High School	Mid	No Basement
E2HB	EDU2	Colleges/Universities, College Classroom	High	Basement
E2HN	EDU2	Colleges/Universities, College Classroom	High	No Basement
E2LB	EDU2	Colleges/Universities, College Classroom	Low	Basement
E2LN	EDU2	Colleges/Universities, College Classroom	Low	No Basement
E2MB	EDU2	Colleges/Universities, College Classroom	Mid	Basement
E2MN	EDU2	Colleges/Universities, College Classroom	Mid	No Basement

General Building Stock (GBS) count and exposure tables aggregated by building type tables store the GBS count and exposure data by General Building Type (GBT) and Specific Building Type (SBT) for each census block in the study region.

The 33 Flood Specific Occupancies, The number of Stories for Residential Occupancies, and Rise for non-Residential Occupancies, Foundation Type specifically Basement/No Basement distinction (see Table 3-6. Specific Occupancy IDs – Composed of FL-specific Occupancy, No. Stories, and Basement) – these three comprise the FL model's SOccupID, used in the Damage Analysis.

Note that the GBT mapping schemes are common to all hazards. Individual GBT mapping schemes are defined in the hzBldgScheme table. The GBT mapping schemes specify the relative distributions of wood, masonry, steel, concrete, and manufactured buildings for each specific occupancy. For example, the specific occupancy RES1 might be comprised of 20% wood and 80% masonry structures in a given GBT mapping scheme. GBT mapping schemes are collected in the hzBldgSchemes table where they are referenced by individual census blocks.

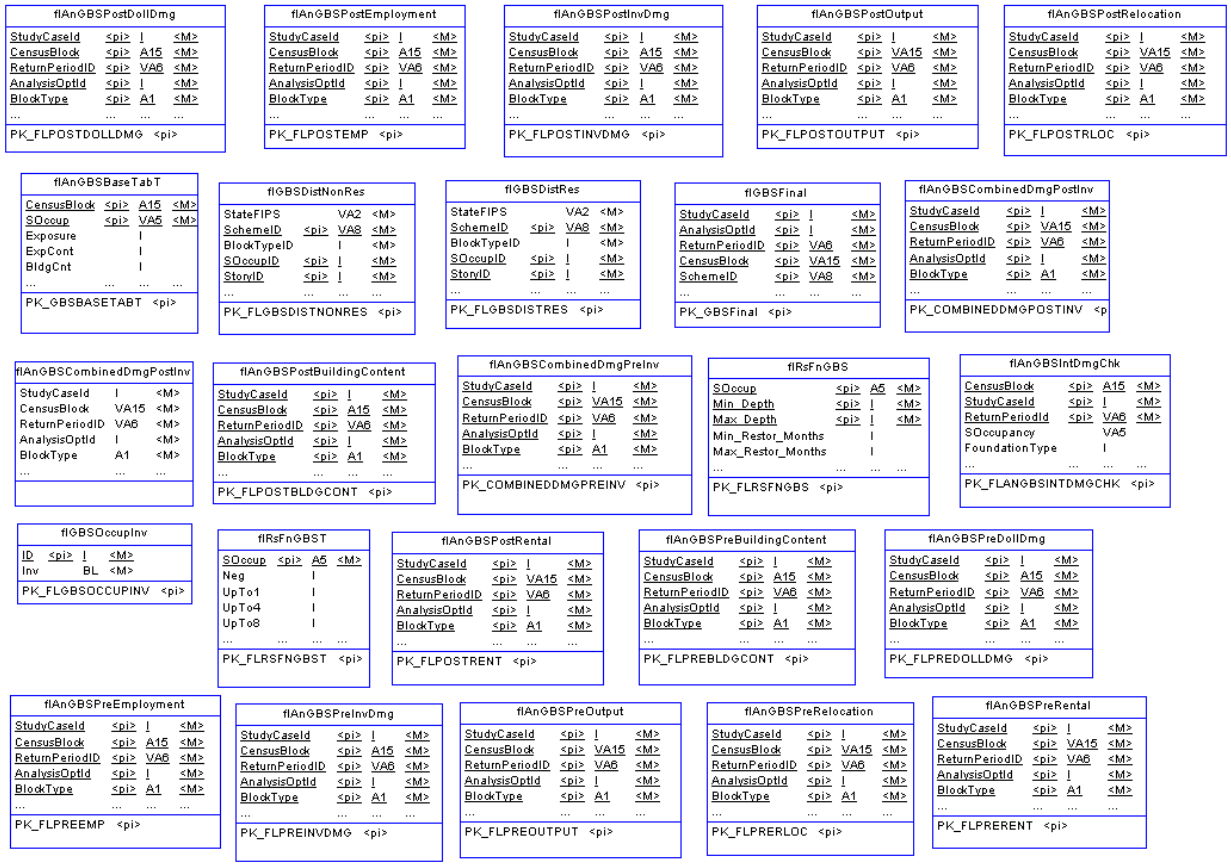

Figure 3-7. GBS Tables

3.1.1.1.2.5 Essential Facilities Tables

The inventory data for Essential Facilities (EF) are shown in Figure 3-8 Essential Facilities Tables. The common EF inventory data are stored in five tables: hzCareFlty, hzEmergencyCtr, hzFireStation, hzPoliceStation, and hzSchool tables. Each of these tables inherits attributes from the hzEF entity. The flood-specific attributes for each EF are stored in the corresponding “fl” tables: flCareFlty, flEmergencyCtr, flFireStation, flPoliceStation, and flSchool tables.

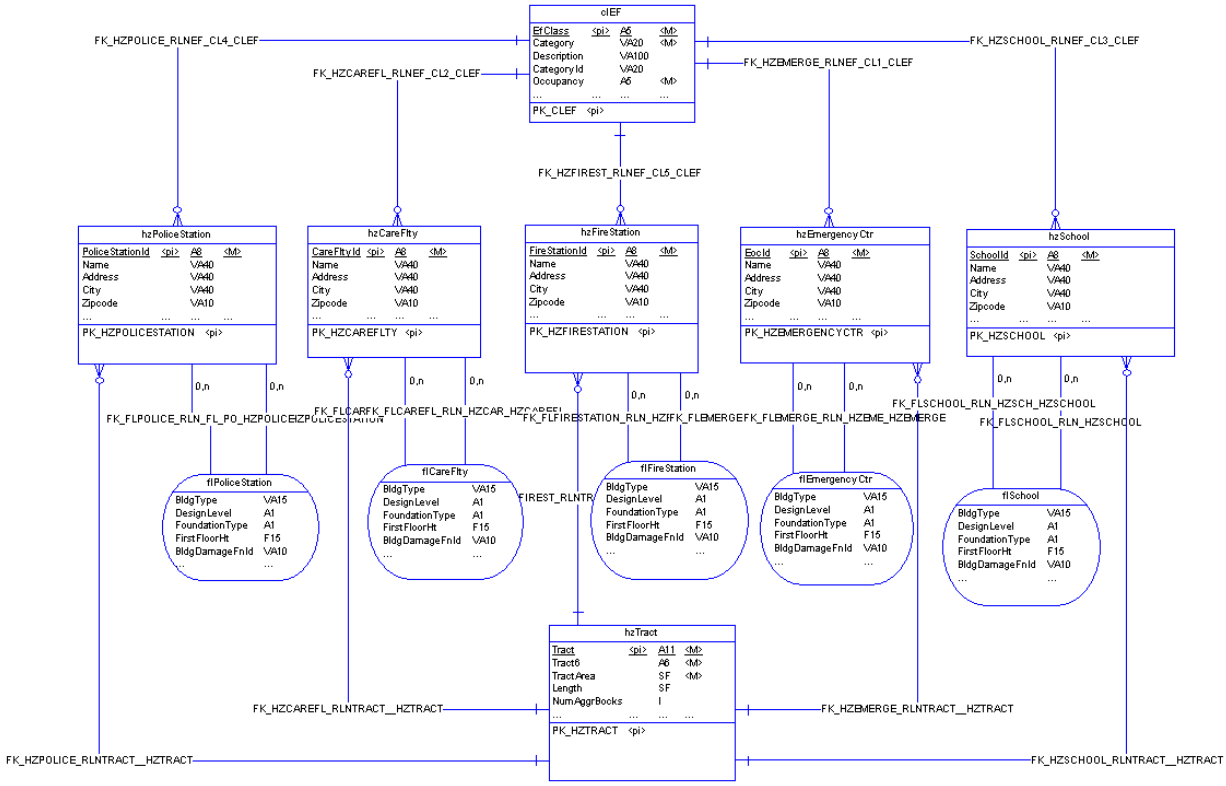

Figure 3-8 Essential Facilities Tables

3.1.1.1.2.6 User-Defined Facilities Tables

The User-Defined Facilities (UDEF) are shown in Figure 3-9 User Defined Facilities Tables. These tables are used to store data for facilities that were not explicitly included in the default study region data. The user-defined facility tables are similar to the essential facilities tables in that the facilities are indexed using either an occupancy type or occupancy mapping scheme or by a specific building type and building mapping scheme.

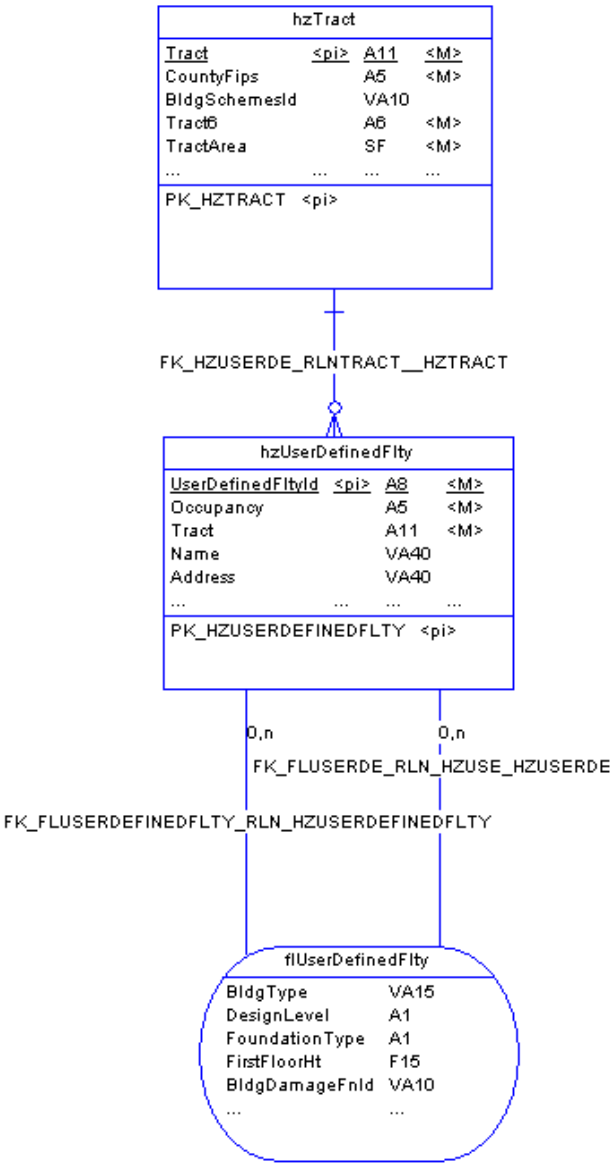

Figure 3-9 User Defined Facilities Tables

3.1.1.1.2.7 Other Types of Facilities Tables

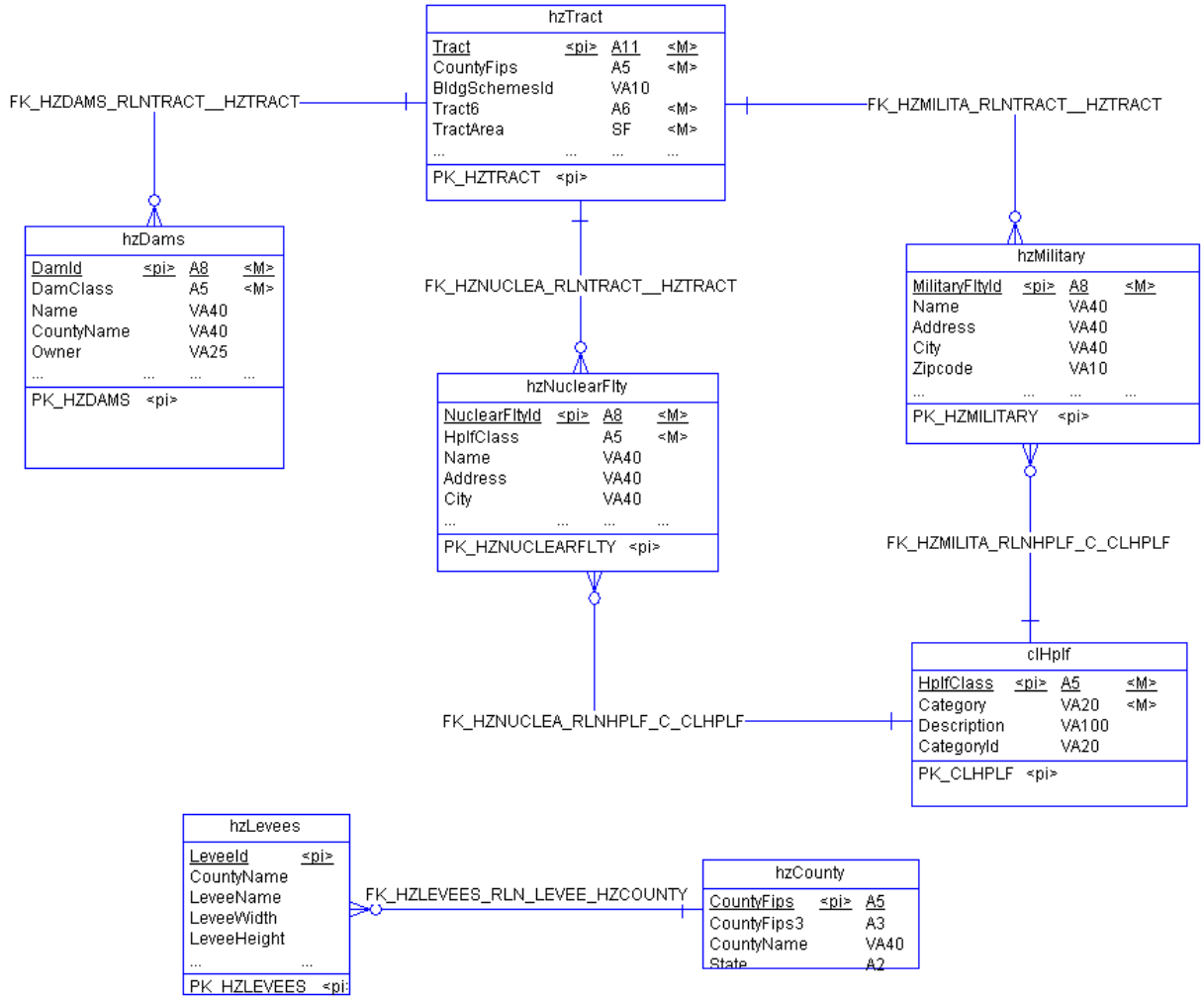

Figure 3-10 High Potential Loss Facilities

The inventory data for High Potential Loss Facilities (HPLF) are shown in Figure 3-10 High Potential Loss Facilities. The common HPLF inventory data are stored in four tables: hzNuclearFlty, hzMilitary, hzDams, and hzLevees tables.

Currently, the FL model provides only thematic mapping of the HPLF inventory.

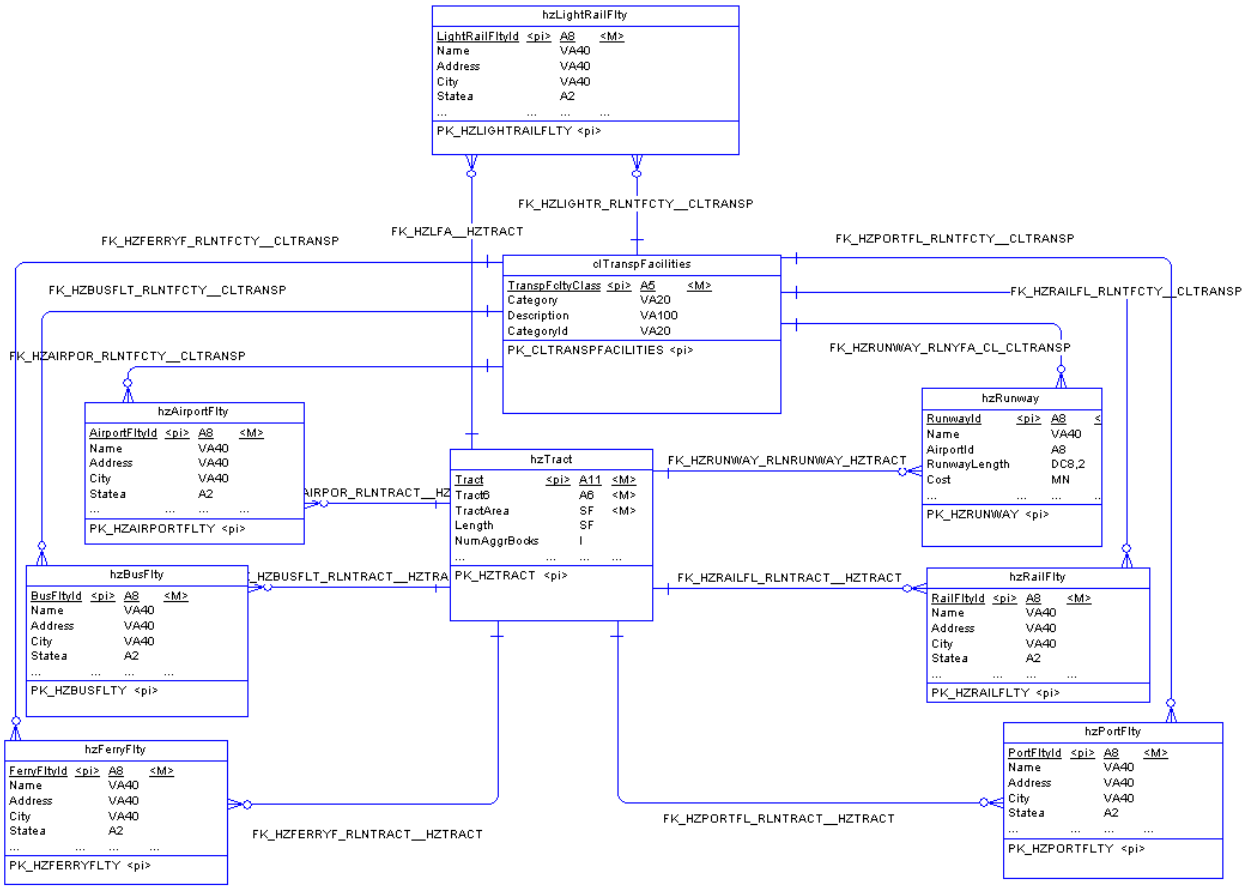

Figure 3-11 Transportation Facilities Tables

The inventory data for Transportation Facilities are shown in Figure 3-11 Transportation Facilities Tables. The common Transportation inventory data are stored in the “hz” tables. The flood-specific attributes are stored in the corresponding “fl” tables.

Currently, the FL model provides analysis on the three Bridge types – Highway, Railway, and Light Rail. The other Transportation Facilites could only be thematic mapped.

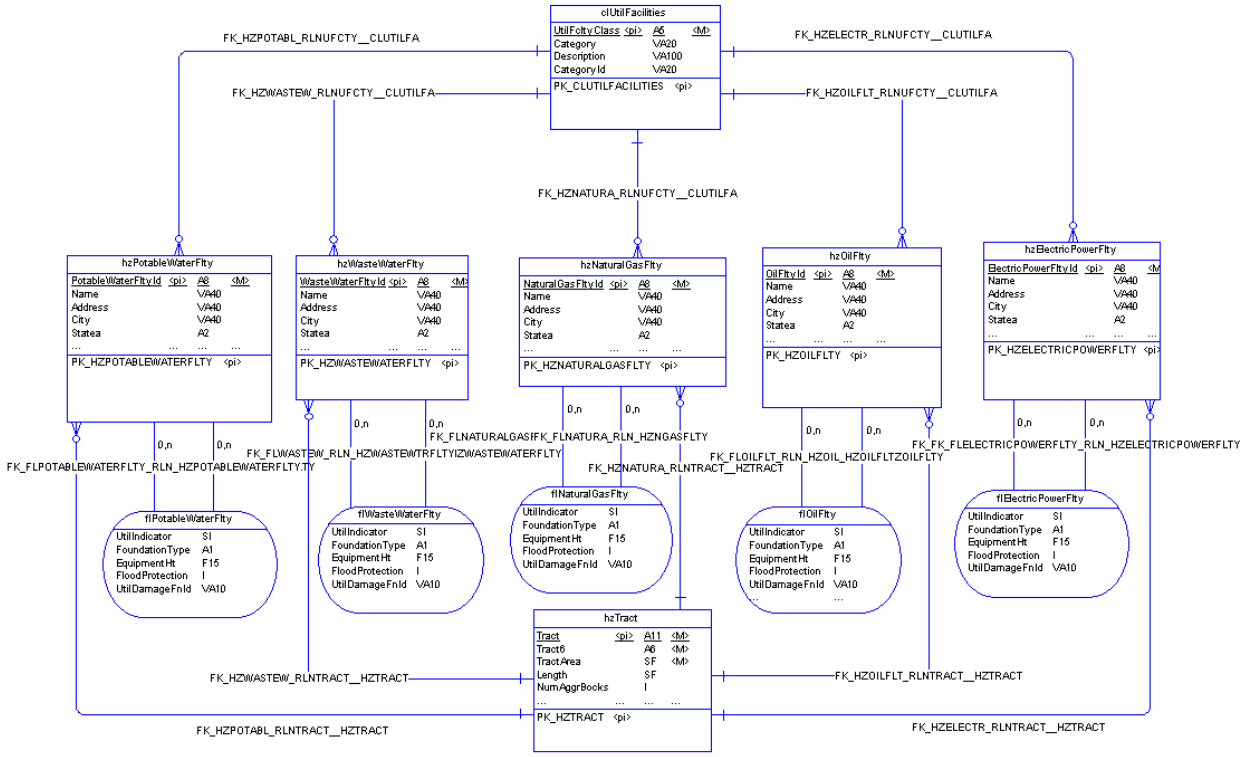

Figure 3-12 Utilities Tables

The inventory data for Utilities are shown in Figure 3-12 Utilities Tables. The common Transportation inventory data are stored in the “hz” tables. The flood-specific attributes are stored in the corresponding “fl” tables.

Currently, the FL model provides limited Utility analysis for selected Systems.

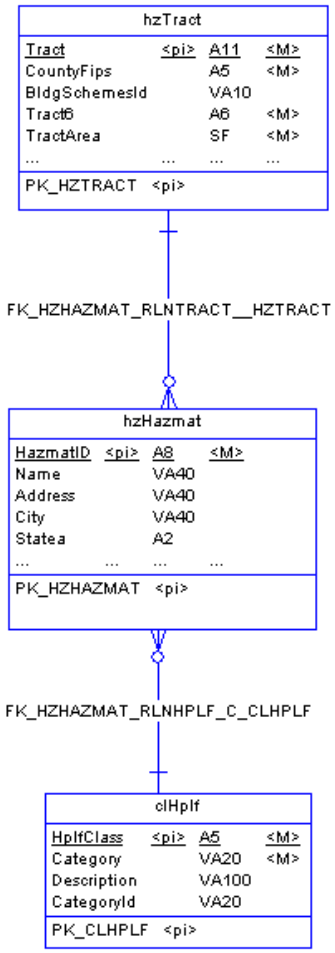

Figure 3-13 Hazardous Materials

The inventory data for azardous Materials (HAZMAT) are shown in Figure 3-13 H. The common HAZMAT inventory data are stored in four tables: hzHazmat table.

Currently, the FL model provides only thematic mapping of the HAZMAT inventory.

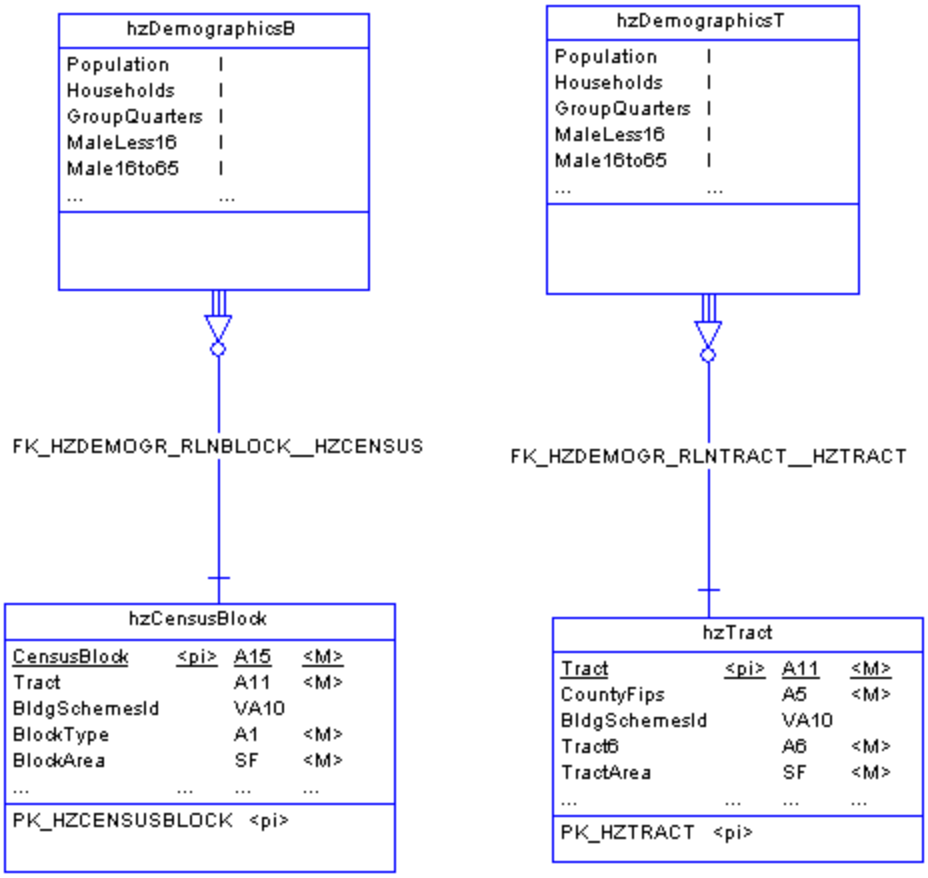

Figure 3-14 Demographics

US Bureau of Census 2000 P&H STF3A data is included in the Figure 3-14 Demographics tables. B is for Census Block resolution, T for Census Tracts.

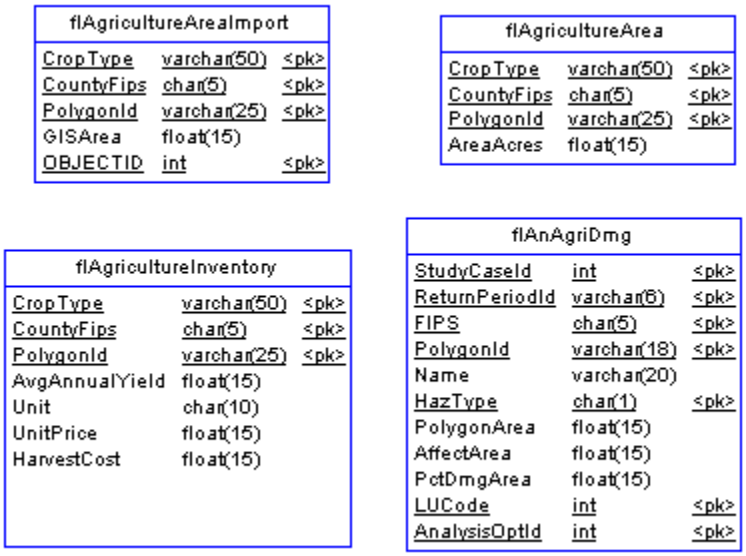

Figure 3-15 Agriculture Tables

Agriculture is used only in the FL model, thus no Common tables exist for Agriculture.

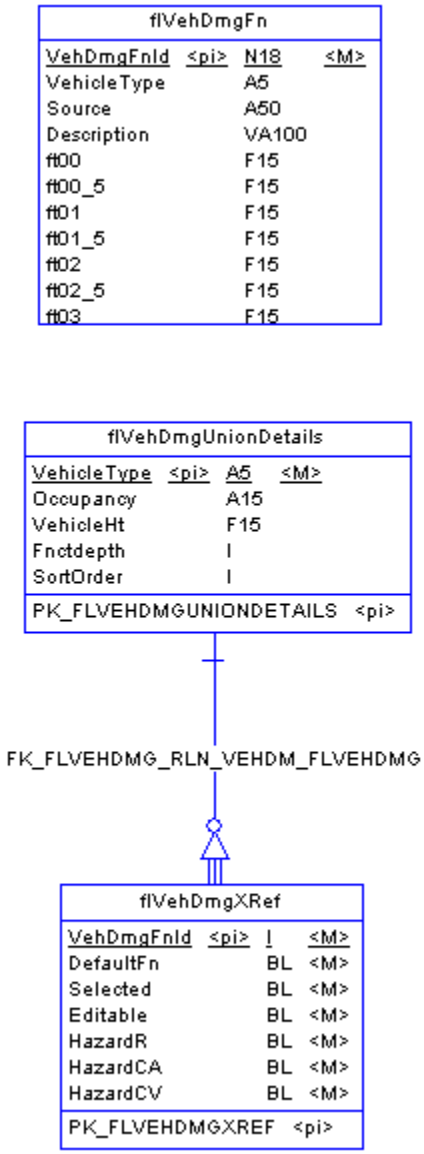

Figure 3-16 Vehicles Tables

3.1.1.1.2.8 Analysis Parameters Tables

The analysis parameters stored in the database are used in the damage and loss calculations. The data stored in these tables are building economic analysis parameters, shelter parameters, and surface roughness lengths.

flBldgEconParamRecaptureFactors			
Occupancy	<pi>	A5	<M>
PctWageRecapture		F15	
PctEmploymentRecapture		F15	
PctIncomeRecapture		F15	
PctOutputRecapture		F15	
PK_FLBLDGECONPARAMRECAPTUREFAC	<pi>		

Figure 3-17 Recapture Factors

flBldgEconParamWageCapitalIncome			
Occupancy	<pi>	A5	<M>
IncomePerSqftPerYear		F15	
IncomePerSqftPerDay		F15	
WagePerSqftDay		F15	
EmployeesPerSqft		F15	
OutputPerSqftDay		F15	
PK_FLBLDGECONPARAMWAGECAPITALI	<pi>		

Figure 3-18 Wage Capital Income

flBldgEconParamOwnerOccupied			
Occupancy	<pi>	A5	<M>
PctOwnerOccupied		F15	
PK_FLBLDGECONPARAMOWNEROCCUPIE	<pi>		

Figure 3-19 Owner Occupied

flBldgEconParamRental			
Occupancy	<pi>	A5	<M>
RentalCostsPerSqFtPerMonth		F15	
RentalCostsPerSqFtPerDay		F15	
DisruptionCostsPerSqFt		F15	
PK_FLBLDGECONPARAMRENTAL	<pi>		

Figure 3-20 Rental Parameters

flRsFnGBS			
SOccup	<pi>	A5	<M>
Min_Depth	<pi>	I	<M>
Max_Depth	<pi>	I	<M>
Min_Restor_Months		I	
Max_Restor_Months		I	
Min_Restor_Days		I	
Max_Restor_Days		I	
PK_FLRSFNGBS <pi>			

Figure 3-21 Restoration Functions for GBS

flBldgEconParamSalesAndInv			
Occupancy	<pi>	A5	<M>
AnnualSalesPerSqFt		F15	
BusinessInvPctofSales		F15	
PK_FLBLDGECONPARAMSALESANDINV <pi>			

Figure 3-22 Business Inventory

flBldgEconParamSalesAndInv			
Occupancy	<pi>	A5	<M>
AnnualSalesPerSqFt		F15	
BusinessInvPctofSales		F15	
PK_FLBLDGECONPARAMSALESANDINV <pi>			

Figure 3-23 Annual Gross Sales

3.1.1.1.2.9 Result Tables

3.1.1.1.2.9.1 General Building Stock Result Tables

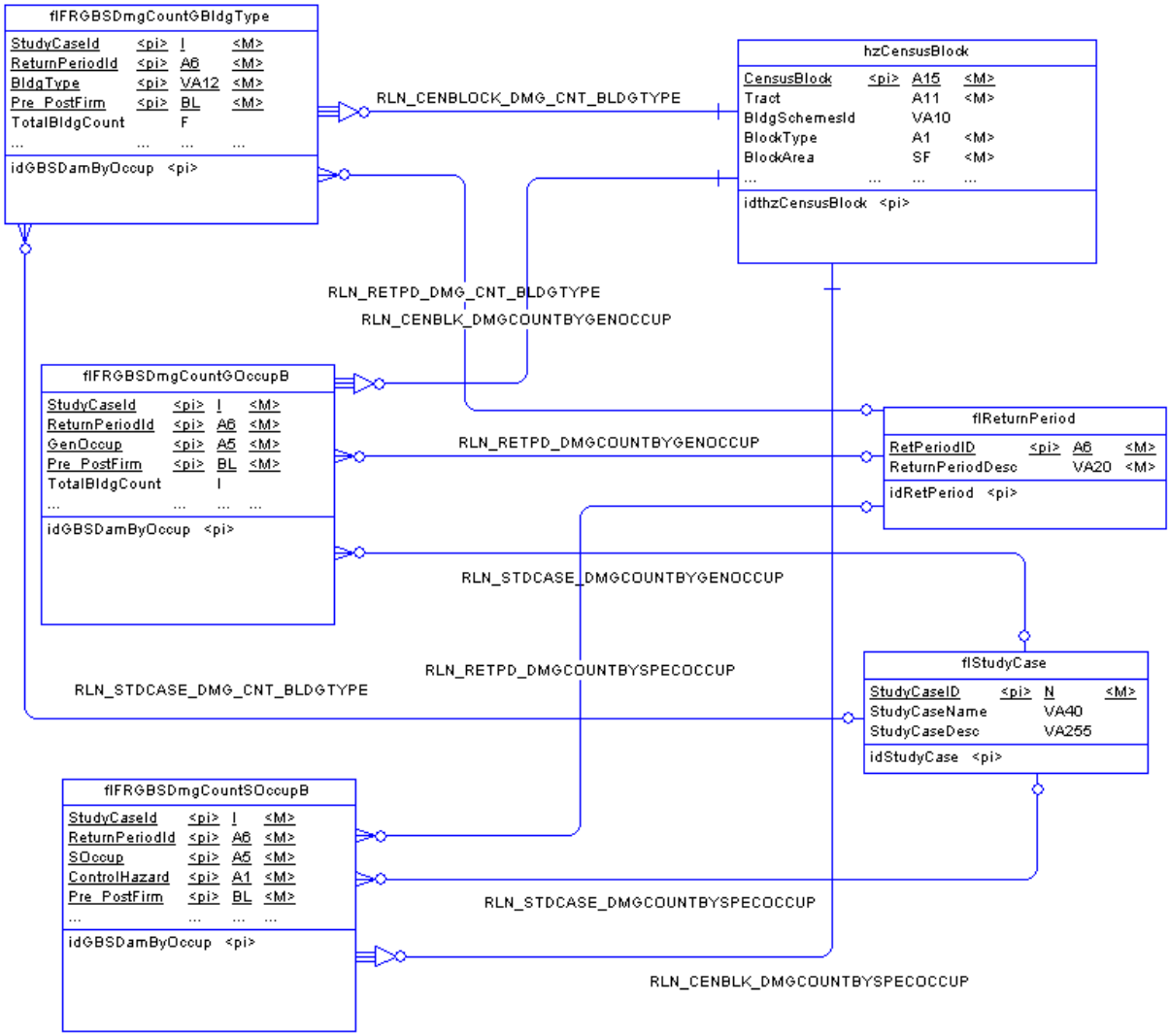

Figure 3-24 GBS Count Tables

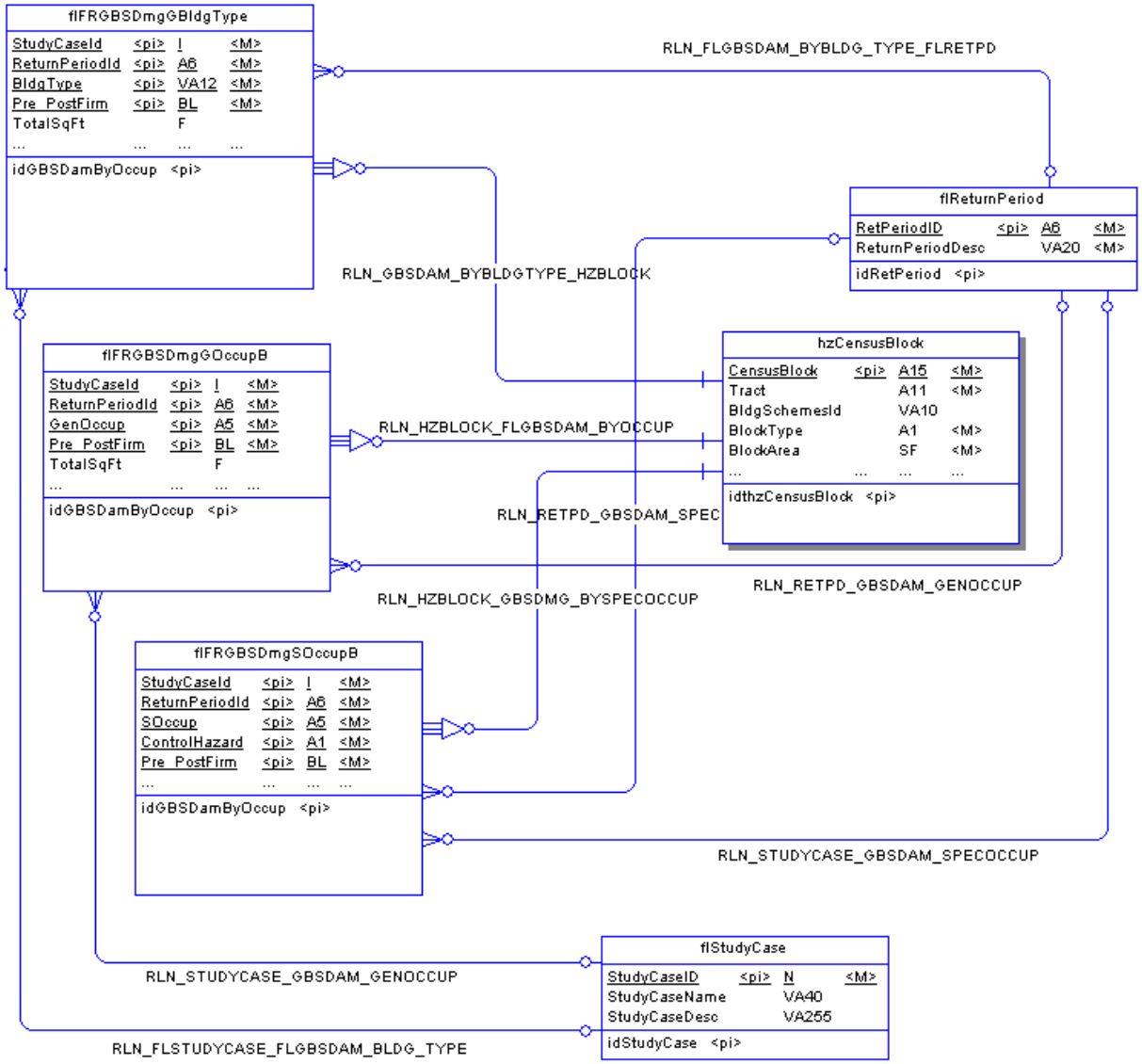

Figure 3-25 GBS Damage

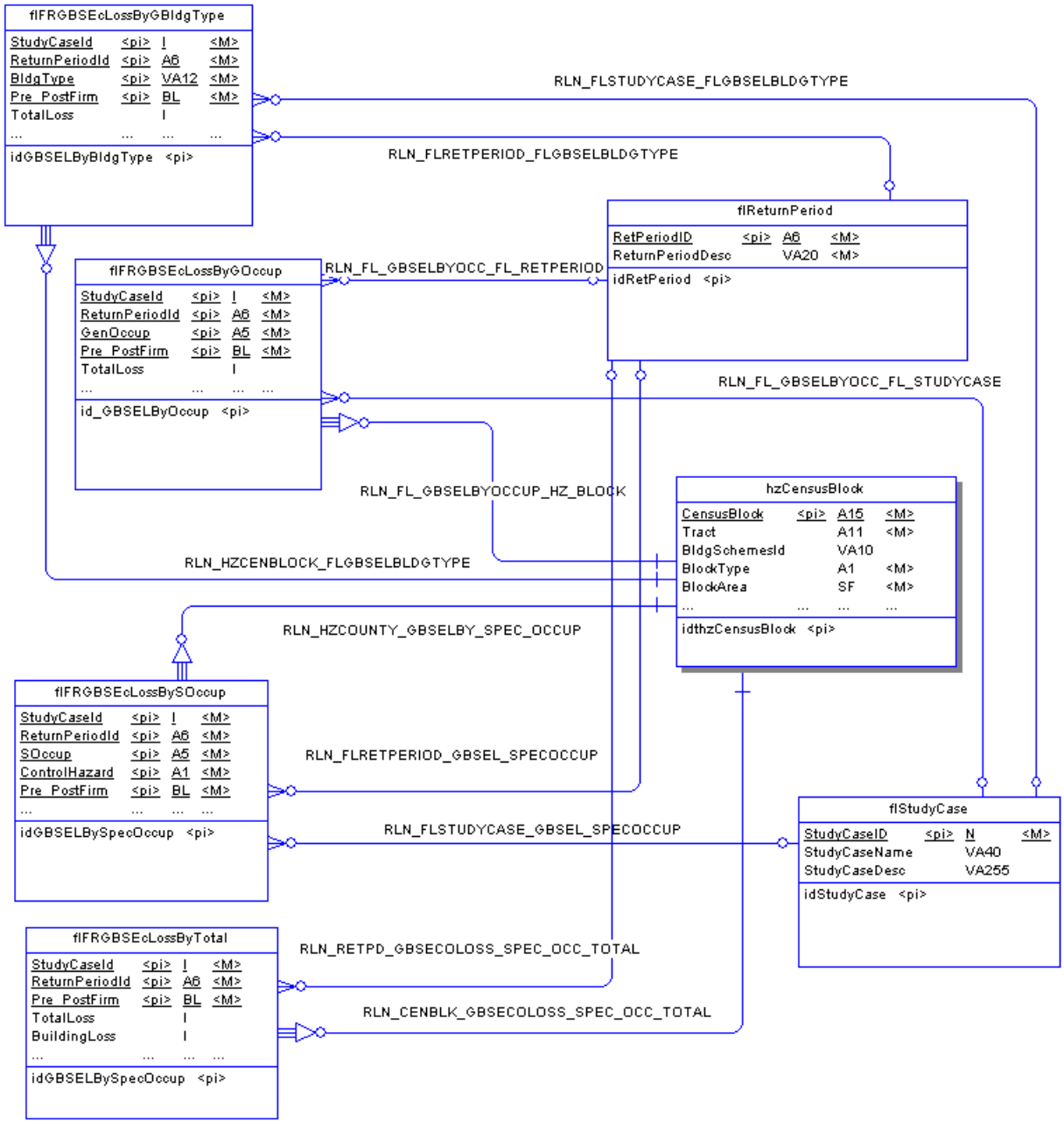

Figure 3-26 GBS Economic Loss

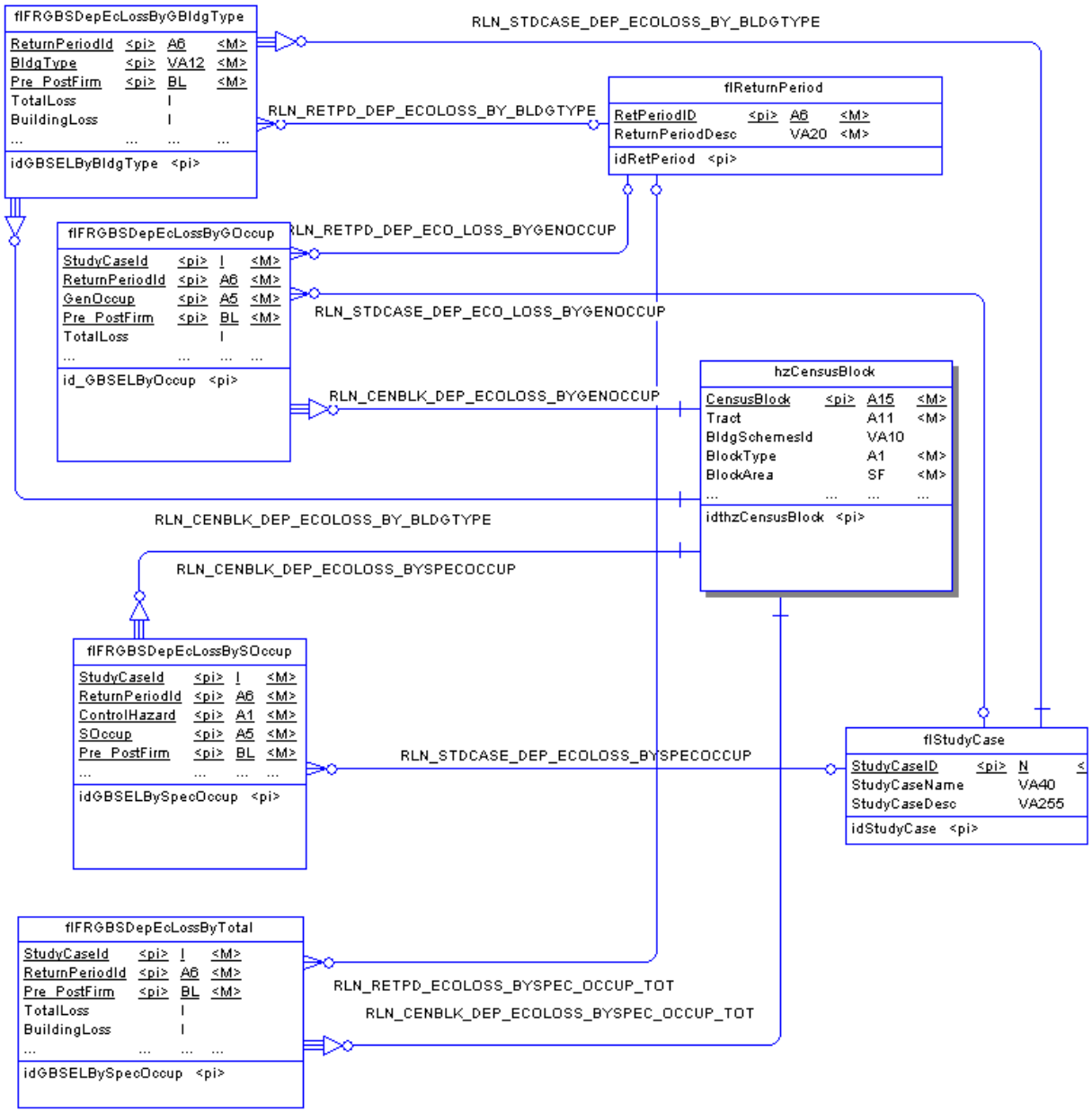

Figure 3-27 GBS Depreciated Loss

3.1.1.1.2.9.2 Shelter and Debris Result Tables

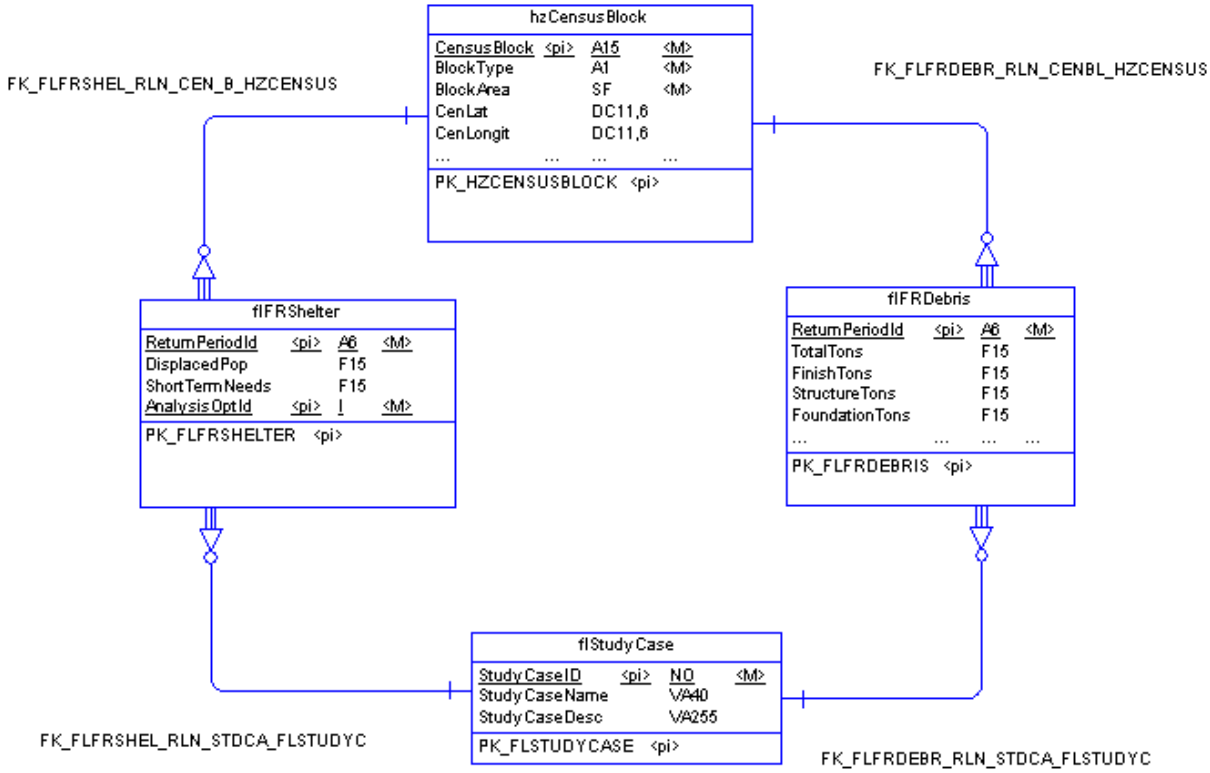

Figure 3-28 Shelter and Building Debris Results Tables

3.1.1.1.2.9.3 Essential Facility Result Tables

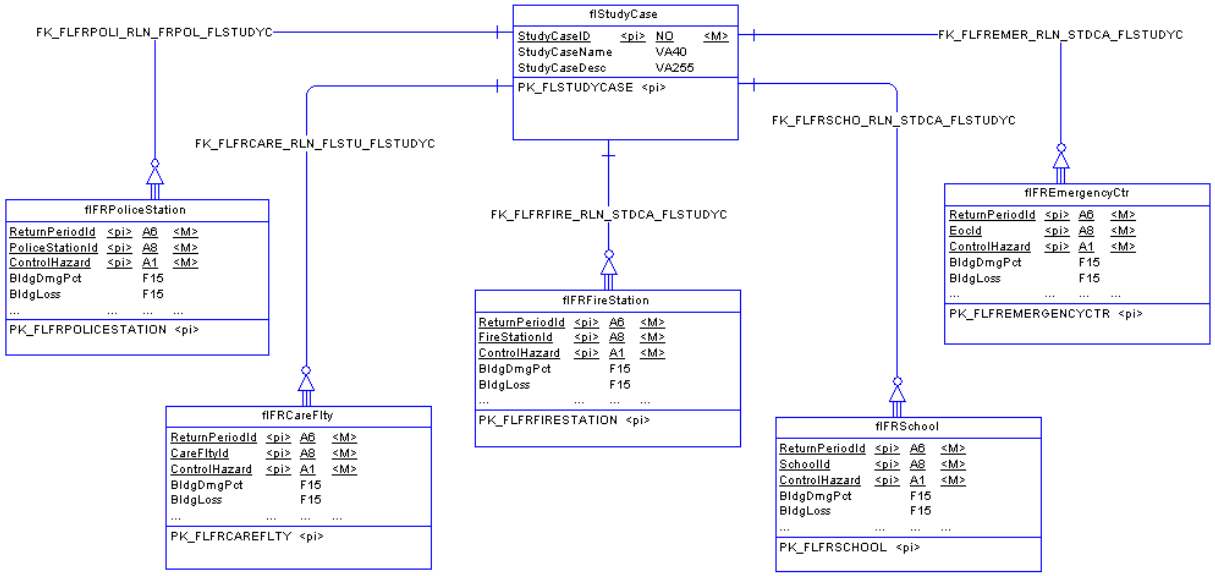

Figure 3-29 Essential Facilities Results Tables

3.1.1.1.2.9.4 User-Defined Facility Result Tables

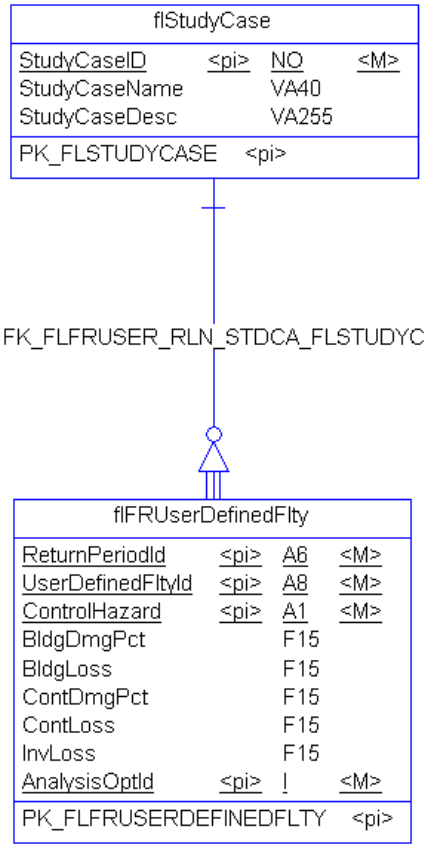

Figure 3-30 User Defined Facilities Results Tables

3.1.1.2 Physical Data Model

The Physical Data Model (PDM) is derived from the Conceptual Data Model (CDM). Like the CDM, it is divided into a System Database Model and a Template Database Model. The PDM shows the implementation design of the database. Each unique CDM entity is now a PDM table, and each inherited CDM entity is now explicitly incorporated into its proper PDM table.

Another key difference between the CDM and the PDM is the addition of views, stored procedures, user-defined functions, and triggers. These items and the PDM diagrams are discussed in the following sections. A complete data dictionary for the System and the Template PDMs is provided in Section 3.1.1.3.

3.1.1.2.1 System Database Model

The following sections present the Physical Data Model design of the System Database.

3.1.1.2.1.1 System Database Tables

As discussed earlier in 3.1.1.1.1.2 Flood-Specific Support Tables the FL model uses sparingly the system database model. The FL-specific system tables could be foind on Figure 3-3 Flood Specific Support Tables.

3.1.1.2.1.2 System Database Views

Views are used to display a subset of the data from one or more tables. They are designed in the PDM and implemented in the System Database. The FL model does not utilize any system data model views.

3.1.1.2.1.3 System Database Triggers, Stored Procedures, and User-Defined Functions

Also included in the PDM are stored procedures, user-defined functions and triggers. Stored procedures are named collections of SQL statements, T-SQL stored on the SQL Server. User-defined functions (UDF) are similar to stored procedures (SP). The major difference is that UDFs can be used like any other expression within SQL statements, whereas SPs must be invoked using EXEC or dynamically using sp_sqlexec. A trigger is a stored procedure that is invoked automatically whenever an attempt is made to insert, update, or delete data in a table. Triggers are associated with a table and cannot be called directly. Currently, the FL model does not utilize any system data model programmable database objects and this paragraph is a placeholder for future stored procedures, user-defined functions and triggers.

3.1.1.2.2 Template Database Model

The following sections present the Physical Data Model design of the Template Database. The template PDM is divided in the same manor as the template CDM. Entities are replaced with tables, and relationships are replaced with references in the following ERDs – Figure 3-31 Flood Specific Support Tables, Figure 3-32 Study Region and Scenario Tables, Figure 3-33 GBS Damage and Loss Function Tables, Figure 3-34 Non-GBS Damage and Loss Function Tables, Figure 3-35 GBS TablesFigure 3-36 Essential Facilities Tables, Figure 3-37 User Defined Tables, Figure 3-38 High Potential Loss Facilities, Figure 3-39 Transportation Facilities, Figure 3-40 Utilities, Figure 3-41 Hazardous Materials, Figure 3-42 Demographics, Figure 3-43

Agriculture Tables, Figure 3-44 Vehicles Tables, Figure 3-45 Analysis Parameters – Recapture Factors, Figure 3-46 Analysis Parameters – Wage Capital Income, Figure 3-47 Analysis Parameters – Owner Occupied, Figure 3-48 Analysis Parameters – Rental Parameters, Figure 3-49 Analysis Parameters – Restoration Functions for GBS, Figure 3-50 Analysis Parameters – Business Inv, Figure 3-51 Analysis Parameters – Annual Gross Sales, Figure 3-52 GBS Count Tables, Figure 3-53 GBS Damage Tables, Figure 3-54 GBS Economic Loss Tables, Figure 3-55 GBS Depreciated Economic Loss Tables, Figure 3-56 Shelter and Debris Results Tables, Figure 3-57 EF Results Tables, Figure 3-58 User Defined Facilities Tables.

3.1.1.2.2.1 Template Database Tables

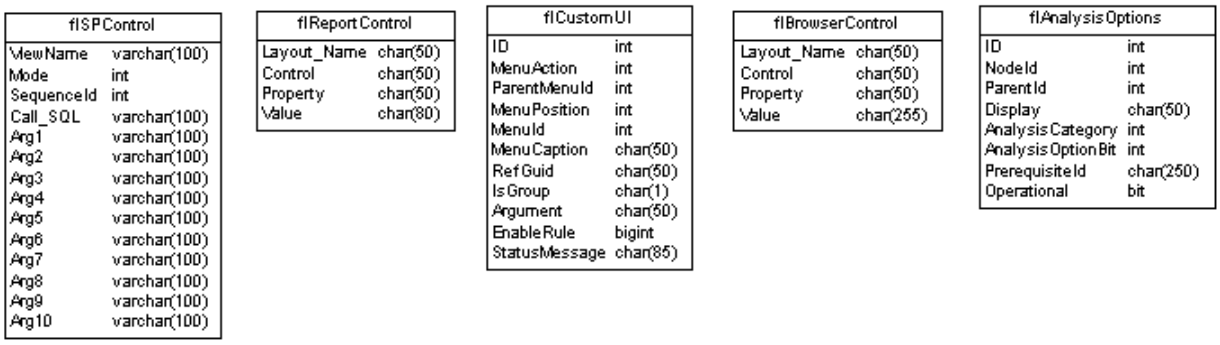

Figure 3-31 Flood Specific Support Tables

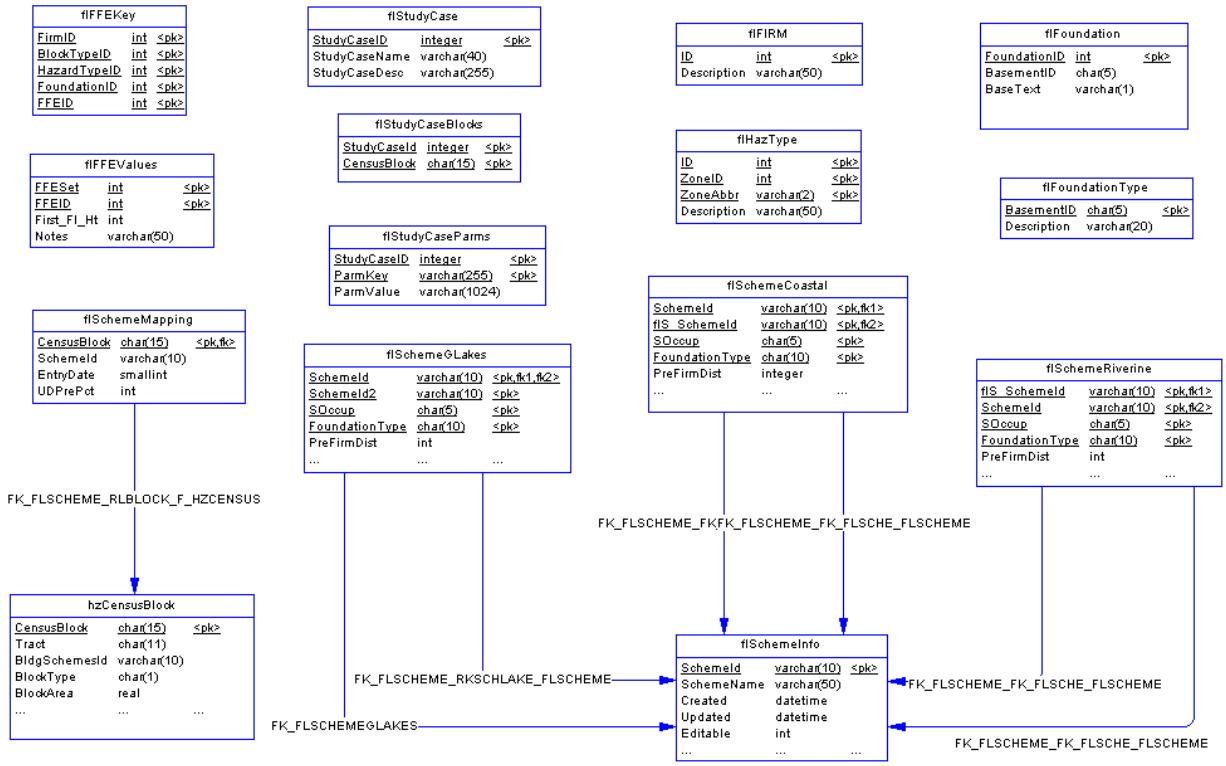

Figure 3-32 Study Region and Scenario Tables

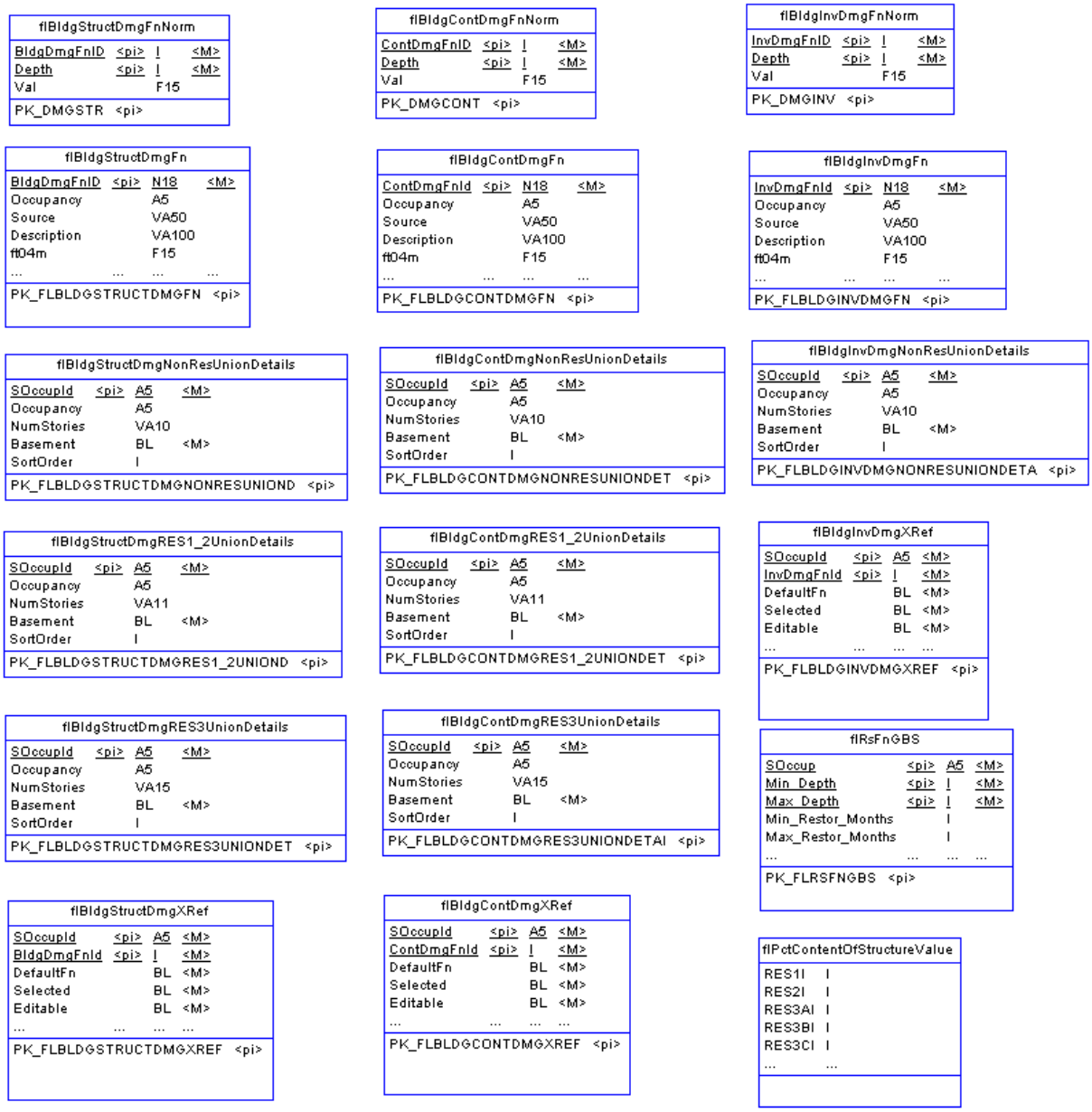

Figure 3-33 GBS Damage and Loss Function Tables

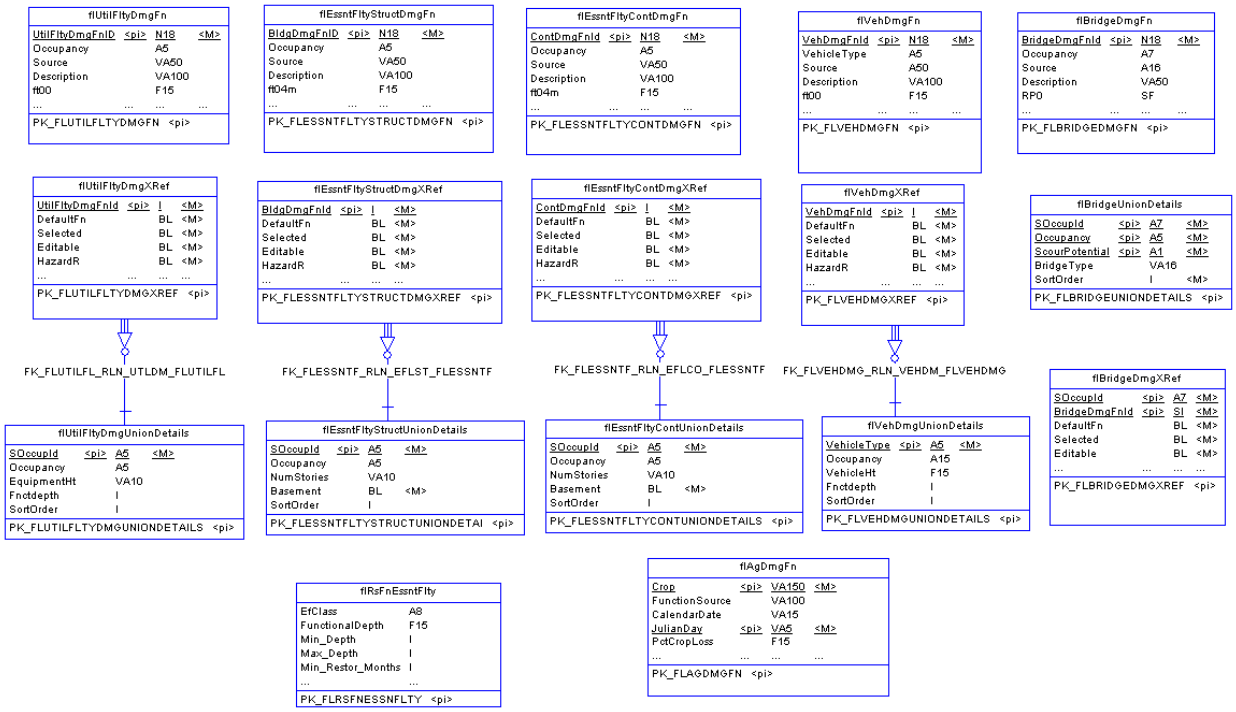

Figure 3-34 Non-GBS Damage and Loss Function Tables

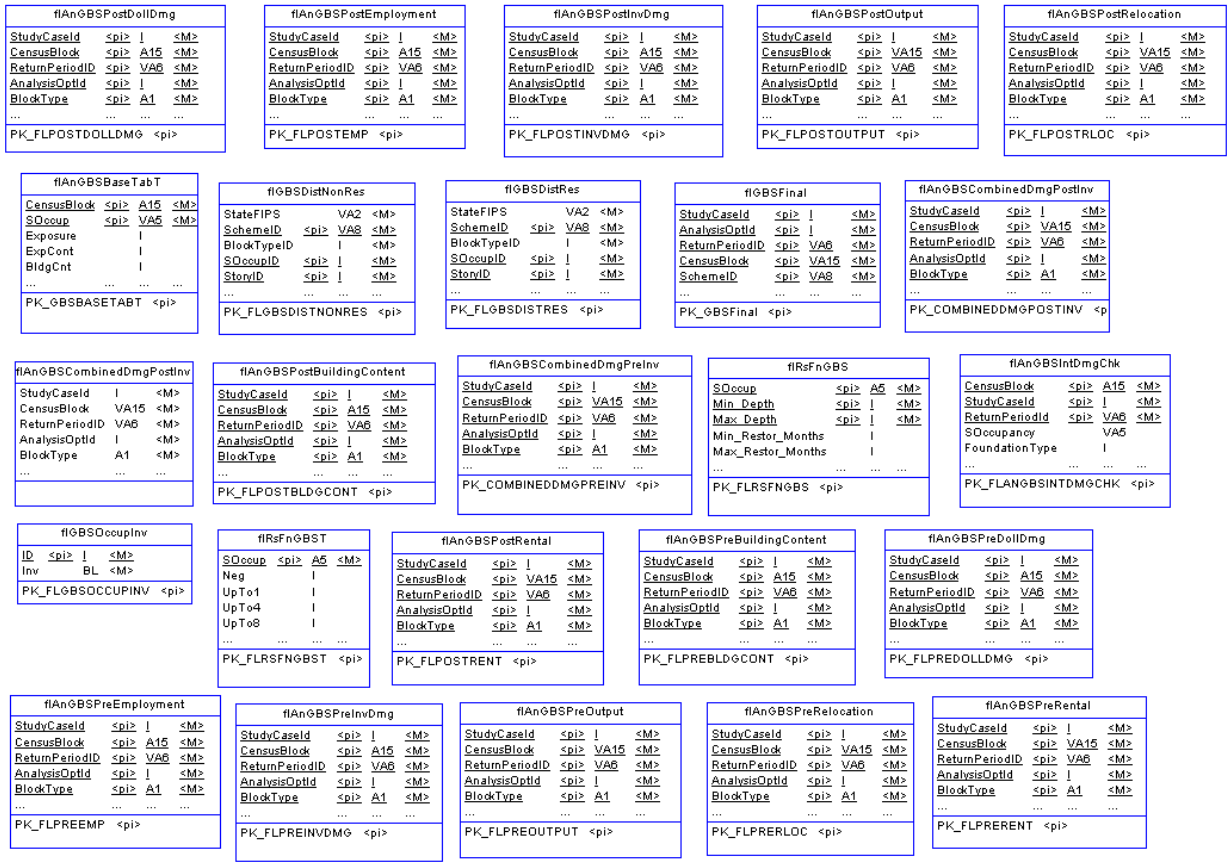

Figure 3-35 GBS Tables

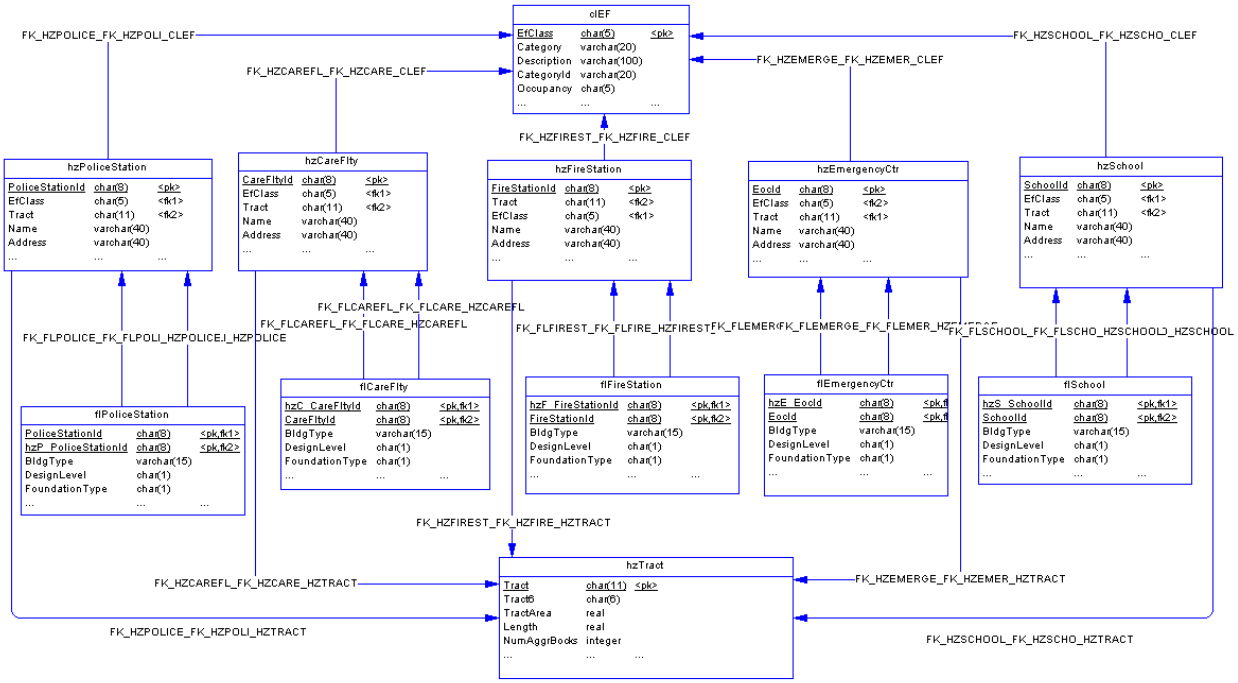

Figure 3-36 Essential Facilities Tables

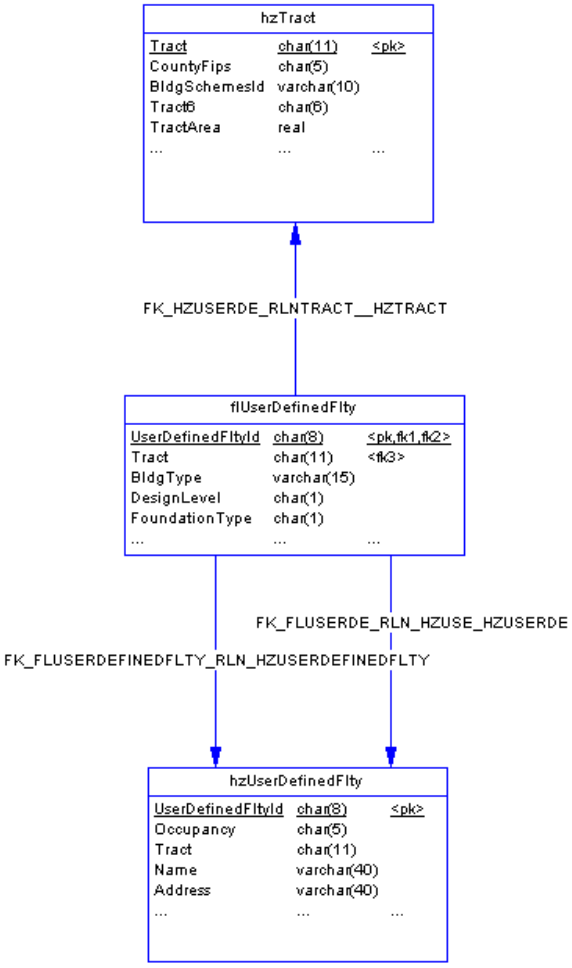

Figure 3-37 User Defined Tables

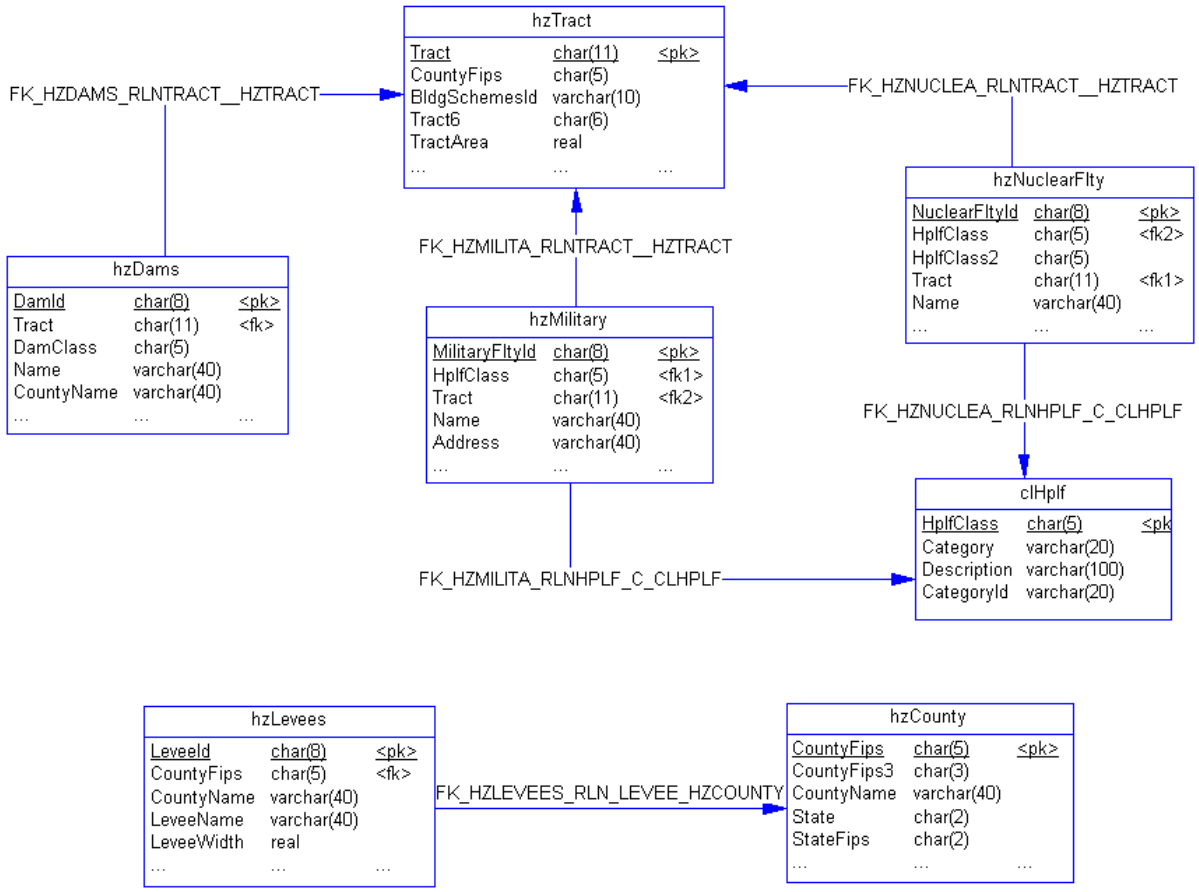

Figure 3-38 High Potential Loss Facilities

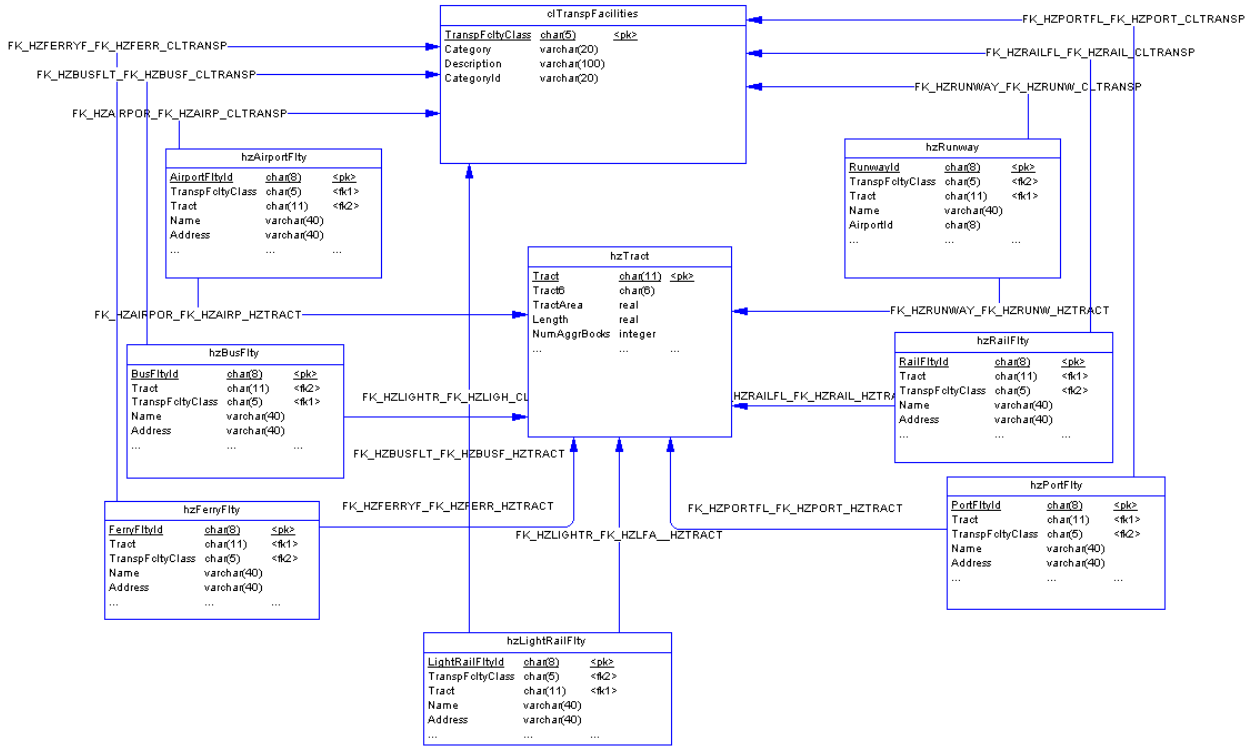

Figure 3-39 Transportation Facilities

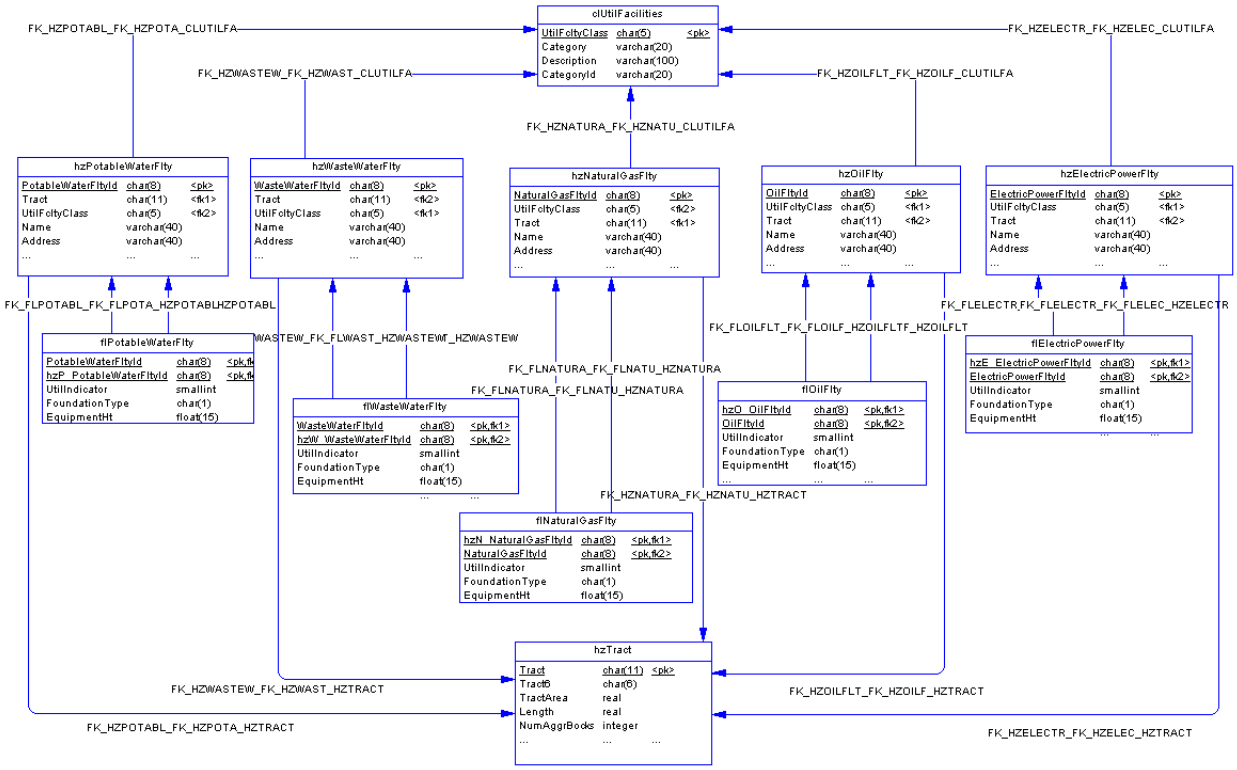

Figure 3-40 Utilities

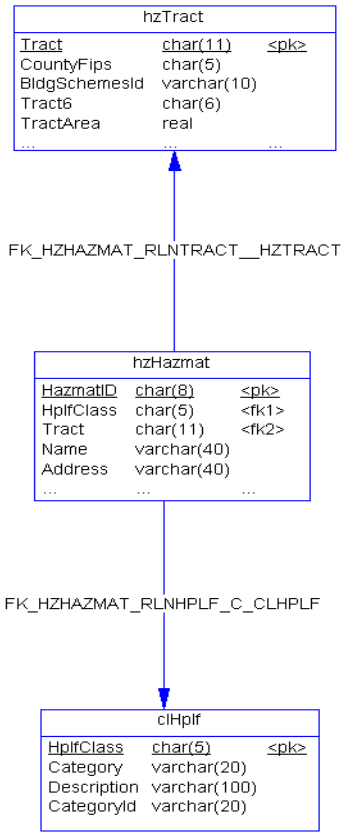

Figure 3-41 Hazardous Materials

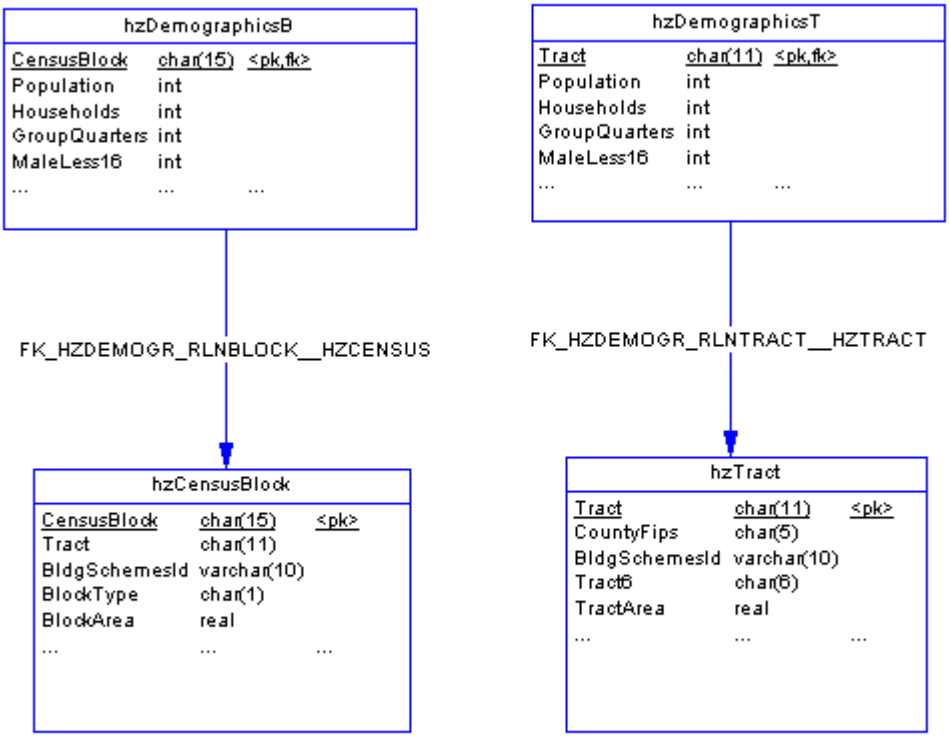

Figure 3-42 Demographics

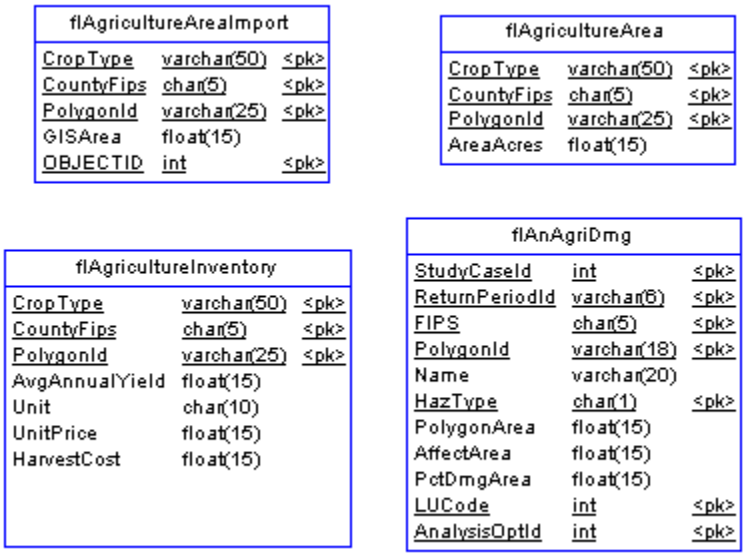

Figure 3-43 Agriculture Tables

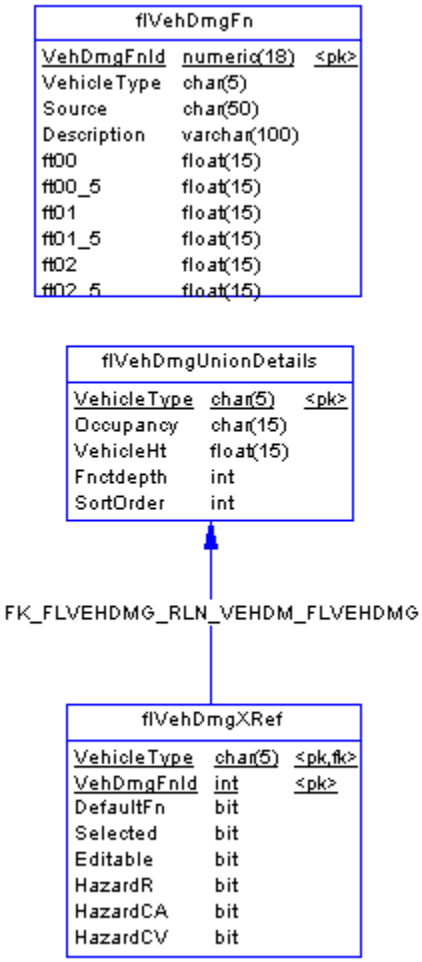

Figure 3-44 Vehicles Tables

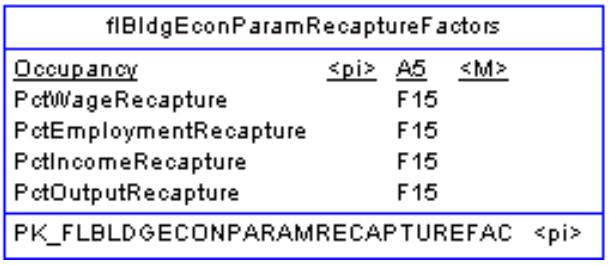

Figure 3-45 Analysis Parameters – Recapture Factors

flBldgEconParamWageCapitalIncome			
Occupancy	<pi>	A5	<M>
IncomePerSqftPerYear		F15	
IncomePerSqftPerDay		F15	
WagePerSqftDay		F15	
EmployeesPerSqft		F15	
OutputPerSqftDay		F15	
PK_FLBLDGECONPARAMWAGECAPITALI	<pi>		

Figure 3-46 Analysis Parameters – Wage Capital Income

flBldgEconParamOwnerOccupied			
Occupancy	<pi>	A5	<M>
PctOwnerOccupied		F15	
PK_FLBLDGECONPARAMOWNEROCCUPIE	<pi>		

Figure 3-47 Analysis Parameters – Owner Occupied

flBldgEconParamRental			
Occupancy	<pi>	A5	<M>
RentalCostsPerSqFtPerMonth		F15	
RentalCostsPerSqFtPerDay		F15	
DisruptionCostsPerSqFt		F15	
PK_FLBLDGECONPARAMRENTAL	<pi>		

Figure 3-48 Analysis Parameters – Rental Parameters

flRsFnGBS			
SOccup	<pi>	A5	<M>
Min_Depth	<pi>	I	<M>
Max_Depth	<pi>	I	<M>
Min_Restor_Months		I	
Max_Restor_Months		I	
Min_Restor_Days		I	
Max_Restor_Days		I	
PK_FLRSFNGBS	<pi>		

Figure 3-49 Analysis Parameters – Restoration Functions for GBS

flBldgEconParamSalesAndInv			
Occupancy	<pi>	A5	<M>
AnnualSalesPerSqFt		F15	
BusinessInvPctofSales		F15	
PK_FLBLDGECONPARAMSALESANDINV <pi>			

Figure 3-50 Analysis Parameters – Business Inventory

flBldgEconParamSalesAndInv			
Occupancy	<pi>	A5	<M>
AnnualSalesPerSqFt		F15	
BusinessInvPctofSales		F15	
PK_FLBLDGECONPARAMSALESANDINV <pi>			

Figure 3-51 Analysis Parameters – Annual Gross Sales

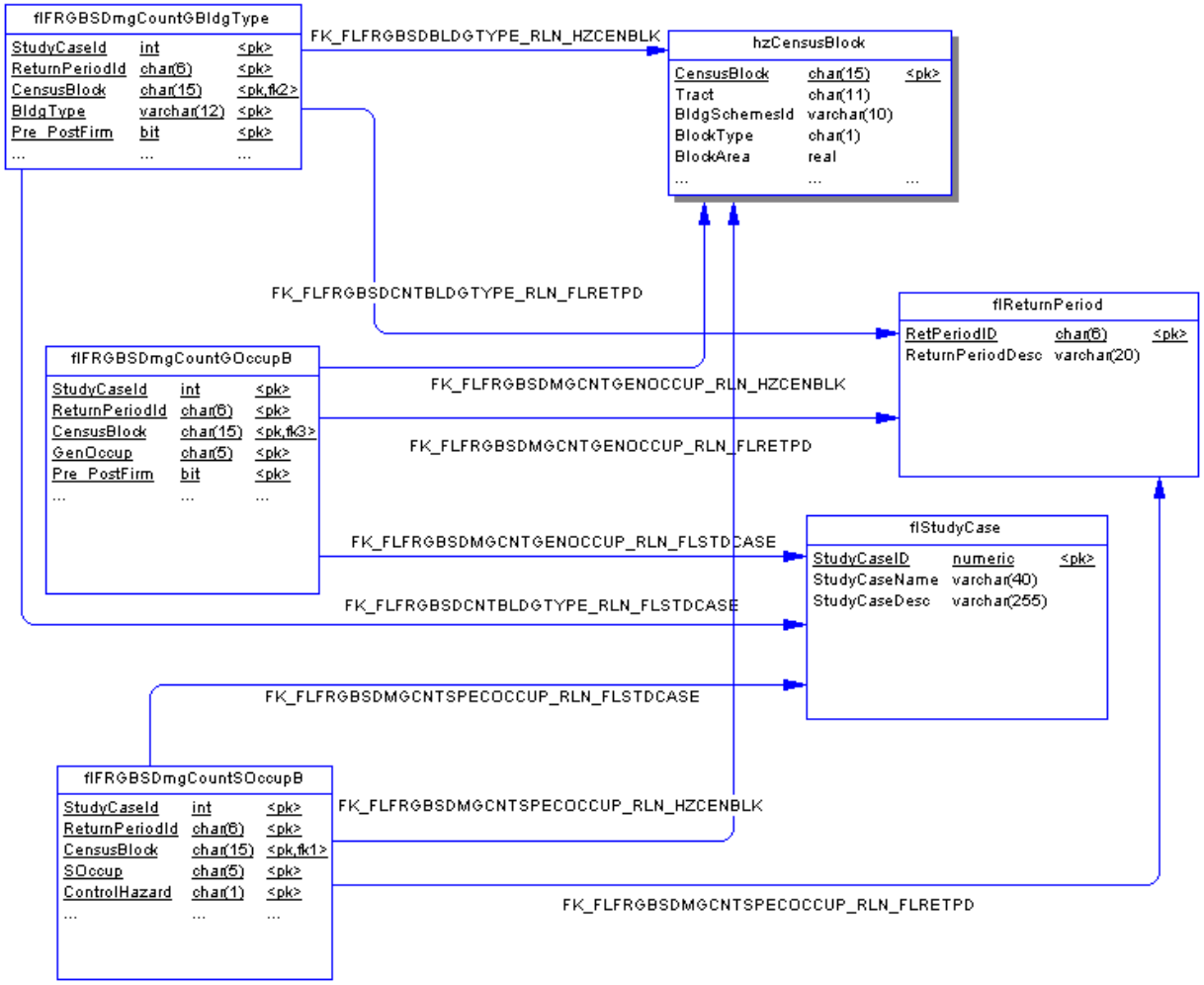

Figure 3-52 GBS Count Tables

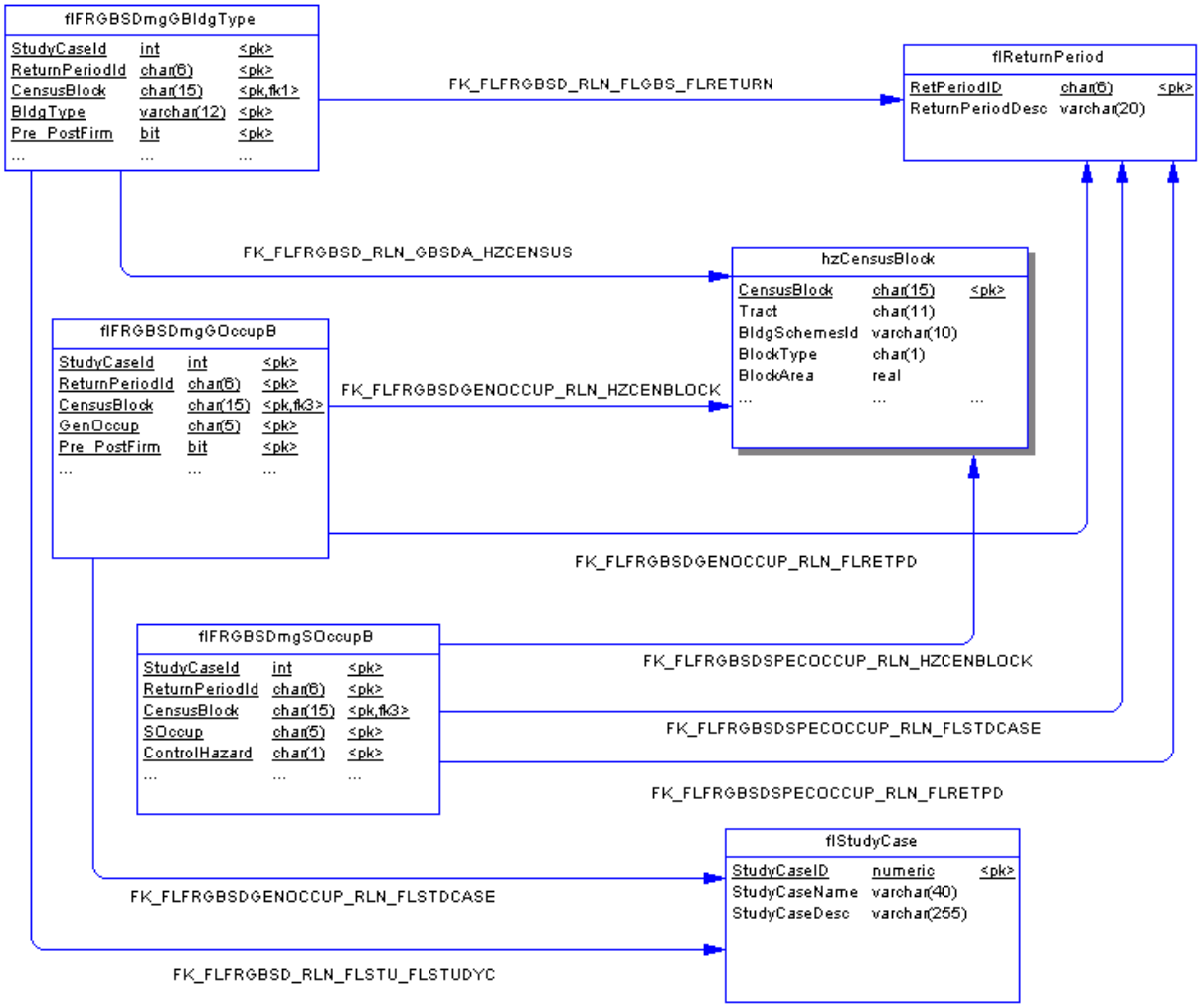

Figure 3-53 GBS Damage Tables

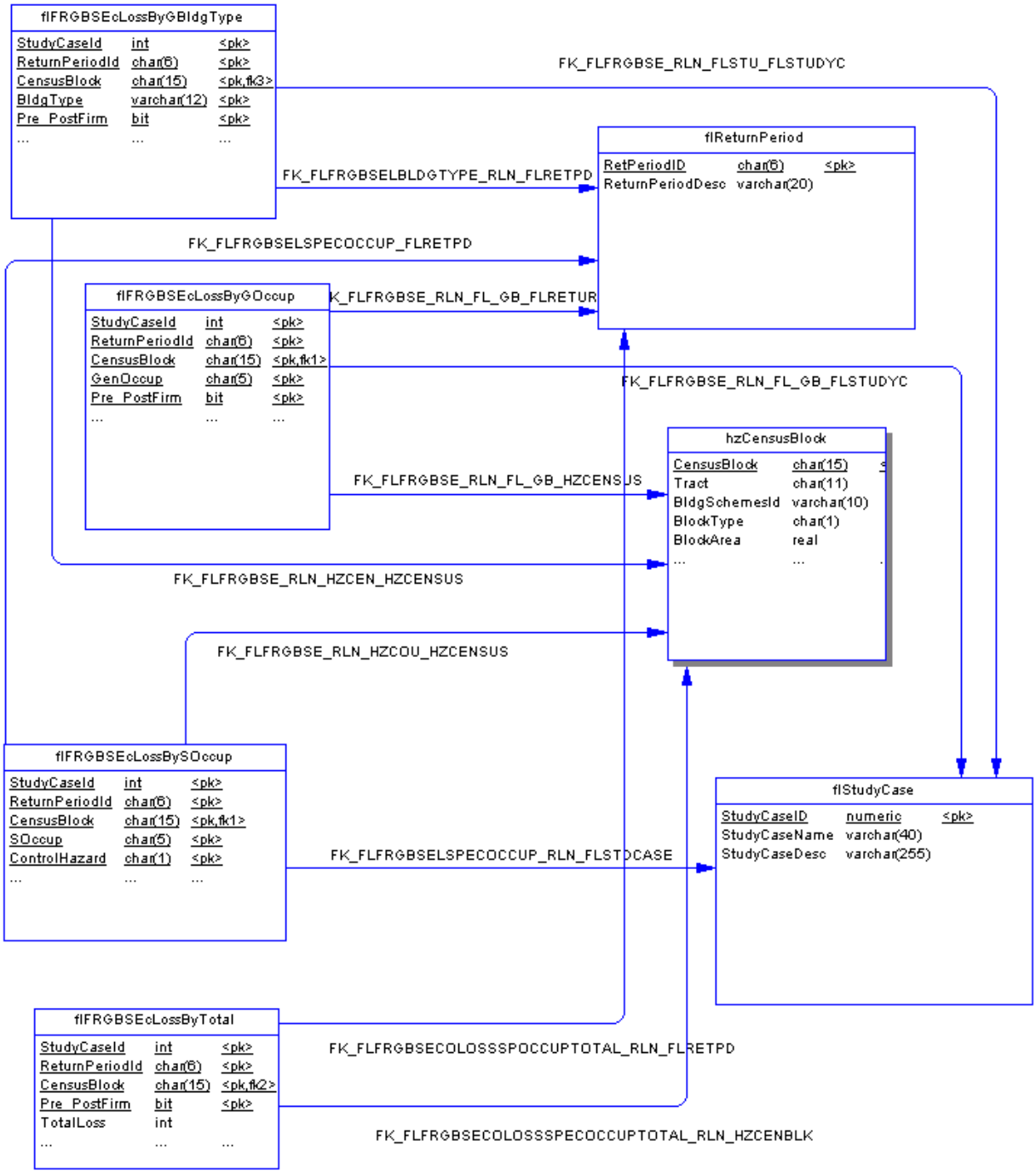

Figure 3-54 GBS Economic Loss Tables

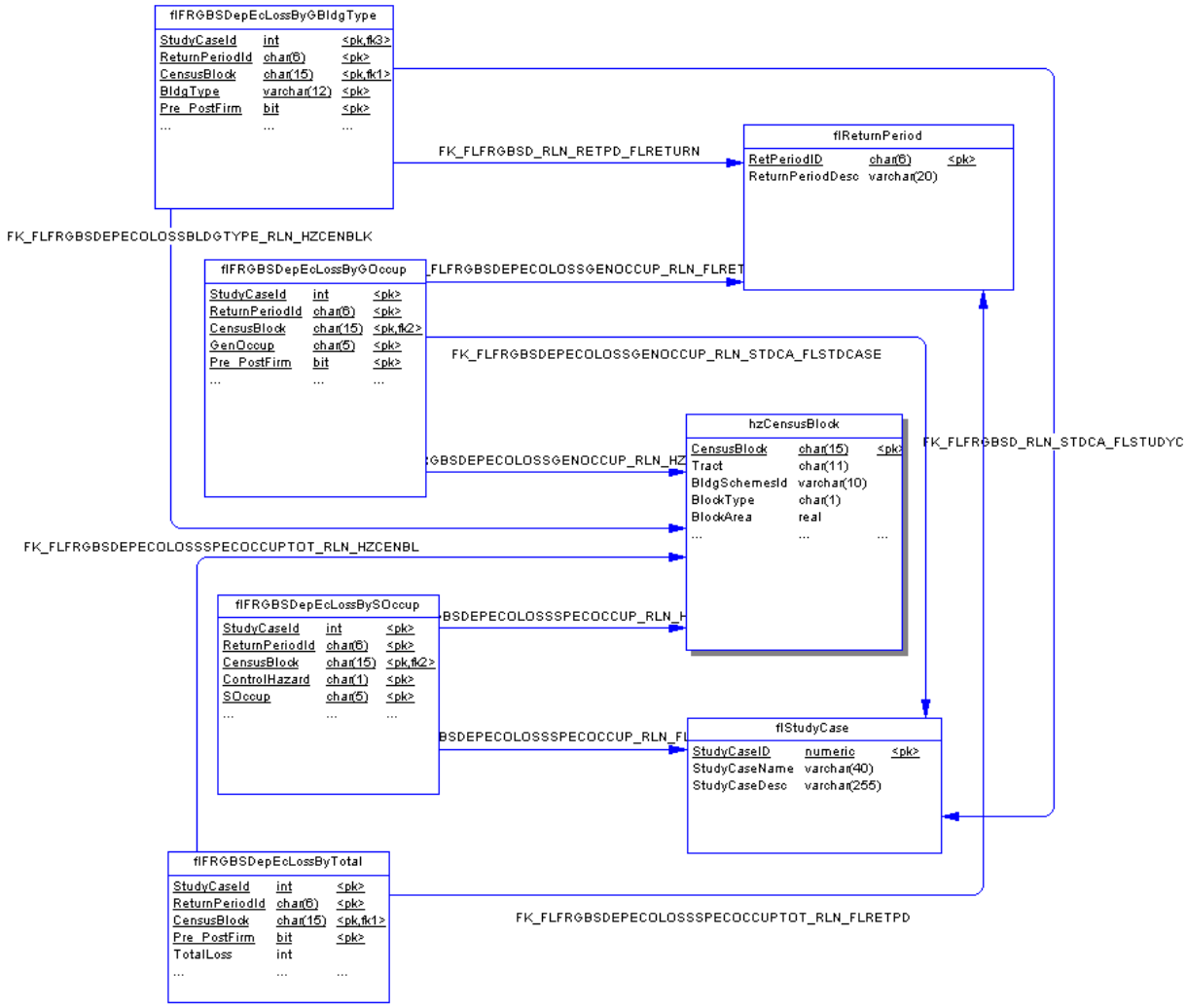

Figure 3-55 GBS Depreciated Economic Loss Tables

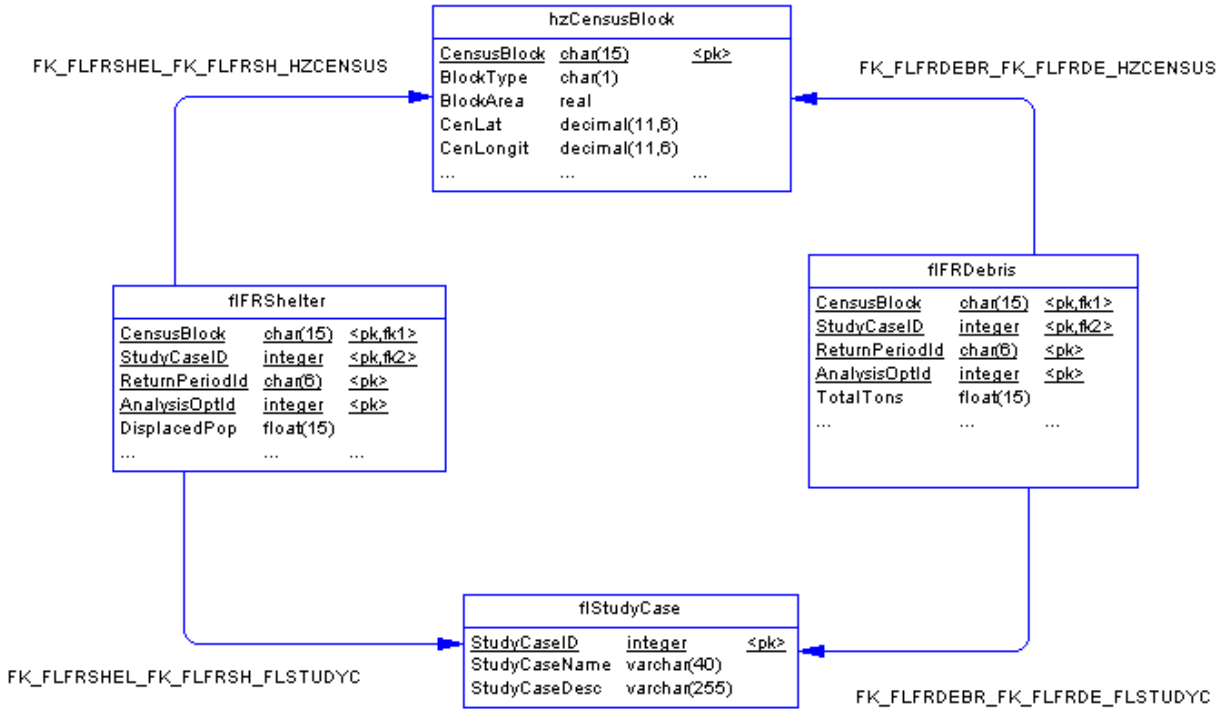

Figure 3-56 Shelter and Debris Results Tables

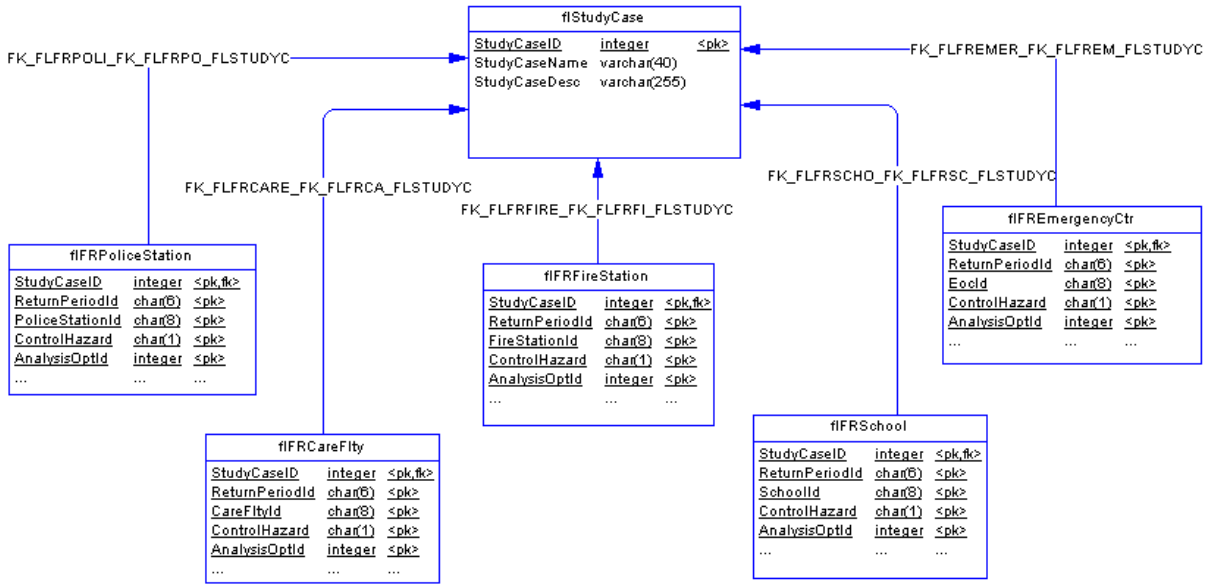

Figure 3-57 EF Results Tables

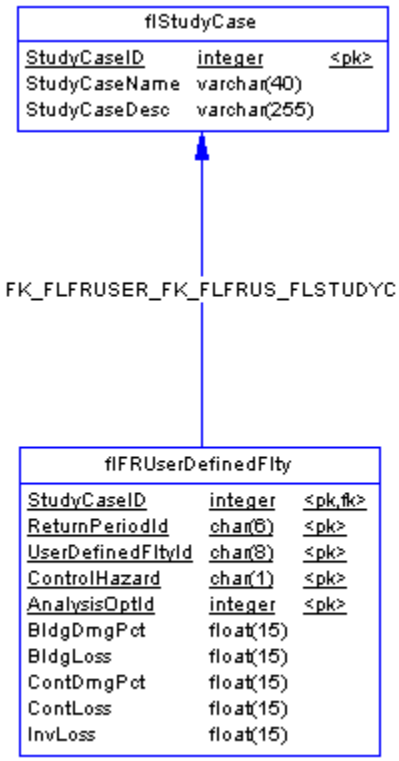

Figure 3-58 User Defined Facilities Tables

3.1.1.2.2.2 Template Database Views

Like the System Database, the Template Database also uses views to display its data.

View Name	Description
absv_AgDmgFn	Agriculture damage function
absv_AgricultureLossCounty	Agriculture loss by county
absv_AgricultureLossSubCounty	Agriculture loss by sub county
absv_AirportFlty	Airporty facilities
absv_AnnualGrossSales	Annual gross sales
absv_BldgContDmgFn	Building content damage functions
absv_BldgInvDmgFn	Building inventory damage functions
absv_BldgStructDmgFn	Building structure damage functions
absv_BridgeClasses	Bridge classes
absv_BridgeDmgAn	Bridge damage analysis
absv_BridgeDmgFn	Bridge damage functions
absv_BusFlty	Bus facilities
absv_BusinessInv	Business inventory

View Name	Description
absv_CRAgricultureProductLoss	Crystal Report for agriculture product loss
absv_CRAgricultureProductsExposure	Crystal Report for agriculture product exposure
absv_CRCareBedsNonFunctional	Crystal Report showingnumber of beds in non-functioning hospitals
absv_CRCareFunctionality	Crystal Report showing functioning and non-functioning hospitals
absv_CRDayVehicleExposure	Crystal Report for daytime vehicle exposure
absv_CRDebris	Crystal Report for debris
absv_CRDepEconLossForBldgsAll	Crystal Report for depreciated economic loss for all buildings
absv_CRDirectEconLossForBldgsAll	Crystal Report for direct economic loss for all buildings
absv_CREconomicLossByGOccup	Crystal Report showing economic loss by general occupancy
absv_CREconomicLossByGOccupT	Crystal Report showing transposed economic loss by general occupancy
absv_CRElectricPowerFltyDmgLoss	Crystal Report for loss due to electric power facilities damage
absv_CREmergencyCtrFunctionality	Crystal Report for emergency center functionality
absv_CREssntFltyLossTotal	Crystal Report for total essential facility loss
absv_CREssntGlobalDmg	Crystal Report showing damages in all essential facilties
absv_CRExposureTransp	Crystal Report showing transportation exposure
absv_CRExposureUtil	Crystal Report showing utility exposure
absv_CRFireStationFunctionality	Crystal Report showing functioning and non-functioning fire stations
absv_CRGBSDmgCountGBldgType	Crystal Report showing GBS percent damage in 10 percent increments by building type
absv_CRGBSDmgCountGOccupAll	Crystal Report showing GBS count percent damage in 10 percent increments
absv_CRGBSDmgCountGOccupPost	Crystal Report showing GBS post-firm count of percent damage in 10 percent increments
absv_CRGBSDmgCountGOccupPre	Crystal Report showing GBS pre-firm count of percent damage in 10 percent increments
absv_CRGBSDmgGBldgType	Crystal Report showing GBS square footage percent damage in 10 percent increments by building type
absv_CRGBSDmgGOccupAll	Crystal Report showing GBS square footage percent damage in 10 percent increments
absv_CRGBSDmgGOccupPost	Crystal Report showing GBS post-firm square footage percent damage in 10 percent increments
absv_CRGBSDmgGOccupPre	Crystal Report showing GBS post-firm square footage percent damage in 10 percent increments
absv_CRGlobalEssntFlty	Crystal Report showing all affected essential facilities
absv_CRHwyBridgeDmg	Crystal Report for highway bridge damage
absv_CRIELMWithAid	
absv_CRIELMWithOutAid	
absv_CRInvGBSExposureGBldgType	Crystal Report showing GBS exposure by building type

View Name	Description
absv_CRInvGBSExposureGOccupAll	Crystal Report showing GBS exposure by general occupancy
absv_CRInvGBSExposureGOccupAllSC	Crystal Report showing GBS exposure by general occupancy for all study cases in study regions.
absv_CRLtRailBridgeDmg	Crystal Report for light rail damage
absv_CRNightVehicleExposure	Crystal Report for night time vehicle exposure
absv_CRPoliceStationFunctionality	Crystal Report showing functioning and non-functioning Police Stations
absv_CRPotableWaterFltyDmgFunct	Crystal Report showing functioning and non-functioning potable water facilities
absv_CRRailwayBridgeDmg	Crystal Report for railway bridge damage
absv_CRSchoolFunctionality	Crystal Report showing functioning and non-functioning schools
absv_CRShelter	Crystal Report for shelter
absv_CRStudyCase	Crystal Report for study case
absv_CRTranspLossTotal	Crystal Report for total transportation loss
absv_CRUtilityLossTotal	Crystal Report for total utility loss
absv_CRVehDirectEcon	Crystal Report showing vehicle damages
absv_CRWasteWaterFltyDmgFunct	Crystal Report for waste wate damage function
absv_CRflSummaryGenData	Crystal Report showing misc census data
absv_CRhzCounty	Crystal Report showing misc county census data
absv_CRsyState	Crystal Report showing state FIPS code
absv_CareFlty	Care facilities
absv_CommBroadcastFlty	Broadcast facility information
absv_CommCentralOfficesSwitchingStns	Communication central office switching stations
absv_CommControlVaultsAndControlStations	Communication control vaults and control stations
absv_CountyAgriRegions	Agriculture regions in the county
absv_Dams	Dams
absv_DayVehicleDollarExposure	Daytime vehicle dollar exposure
absv_DayVehicleInv	Day time vehicle inventory
absv_Debris	Debris
absv_Demographics	Demographics
absv_DepFunction	Depreciated economic loss function calculation
absv_DepParmCBMedianAge	Median age of census blocks in a study region
absv_ElectricPowerSubstations	Electric power sub stations
absv_EmergencyCtr	Emergency centres
absv_EssntFltyContDmgFn	Essential facilities content damage function
absv_EssntFltyStructDmgFn	Essential facilities structure damage functions
absv_ExposureTransport	Transportation exposure data
absv_FRAirportFlty	Final Results for Airport Facility
absv_FRAirportRunway	Final Results for airport runway
absv_FRBusFlty	Final Results for bus facilities

View Name	Description
absv_FRCareFlty	Final Results for care facilities
absv_FRCommBroadcastFlty	Final Results for broadcast facilities
absv_FRCommCentralOfficesSwitchingStns	Final Results for central offices and switching stations
absv_FRCommControlVaultsAndControlStations	Final Results for control vaults and stations
absv_FRDebris	Final Results for debris
absv_FRElectricPowerPlants	Final Results for electric power plants
absv_FRElectricPowerSubstations	Final Results for electric power substations
absv_FREmergencyCtr	Final Results for emergency centres
absv_FRFerryFlty	Final Results for ferry facilities
absv_FRFireStation	Final Results for fire stations
absv_FRGBSDepEcLossByBldgTypeAll	Final Results for depreciated economic loss by building type
absv_FRGBSDepEcLossByBldgTypePost	Final Results for post-firm depreciated economic loss by building type
absv_FRGBSDepEcLossByBldgTypePre	Final Results for pre-firm depreciated economic loss by building type
absv_FRGBSDepEcLossByGOccupAll	Final Results for depreciated economic loss by general occupancy
absv_FRGBSDepEcLossByGOccupPost	Final Results for post-firm depreciated economic loss by general occupancy
absv_FRGBSDepEcLossByGOccupPre	Final Results for pre-firm depreciated economic loss by general occupancy
absv_FRGBSDepEcLossBySOccupAll	Final Results for depreciated economic loss by specific occupancy
absv_FRGBSDepEcLossBySOccupPost	Final Results for post-firm depreciated economic loss by specific occupancy
absv_FRGBSDepEcLossBySOccupPre	Final Results for pre-firm depreciated economic loss by specific occupancy
absv_FRGBSDepEcLossByTotalAll	Final Results for depreciated economic loss by census block
absv_FRGBSDepEcLossByTotalPost	Final Results for post-firm depreciated economic loss by census block
absv_FRGBSDepEcLossByTotalPre	Final Results for pre-firm depreciated economic loss by census block
absv_FRGBSDmgCountGBldgTypeAll	Final Results for GBS percent damage in 10 percent increments by building type
absv_FRGBSDmgCountGBldgTypePost	Final Results for GBS post-firm percent damage in 10 percent increments by building type
absv_FRGBSDmgCountGBldgTypePre	Final Results for GBS pre-firm percent damage in 10 percent increments by building type
absv_FRGBSDmgCountGOccupAll	Final Results for GBS count showing percent damage in 10 percent increments by general occupancy
absv_FRGBSDmgCountGOccupPost	Final Results for GBS post-firm count showing percent damage in 10 percent increments by general occupancy
absv_FRGBSDmgCountGOccupPre	Final Results for GBS pre-firm count showing percent damage in 10 percent increments by general occupancy

View Name	Description
absv_FRGBSDmgCountSOccupAll	Final Results for GBS count showing percent damage in 10 percent increments by specific occupancy
absv_FRGBSDmgCountSOccupPost	Final Results for GBS post-firm count showing percent damage in 10 percent increments by specific occupancy
absv_FRGBSDmgCountSOccupPre	Final Results for GBS pre-firm count showing percent damage in 10 percent increments by specific occupancy
absv_FRGBSDmgSqFtGBldgTypeAll	Final Results showing GBS damage by building square footage and building type in 10 percent increments
absv_FRGBSDmgSqFtGBldgTypePost	Final Results showing GBS post-firm damage by building square footage and building type in 10 percent increments
absv_FRGBSDmgSqFtGBldgTypePre	Final Results showing GBS pre-firm damage by building square footage and building type in 10 percent increments
absv_FRGBSDmgSqFtGOccupAll	Final Results showing GBS damage by building square footage in 10 percent increments by general occupancy
absv_FRGBSDmgSqFtGOccupPost	Final Results showing GBS post-firm damage by building square footage in 10 percent increments by general occupancy
absv_FRGBSDmgSqFtGOccupPre	Final Results showing GBS pre-firm damage by building square footage in 10 percent increments by general occupancy
absv_FRGBSDmgSqFtSOccupAll	Final Results showing GBS damage by building square footage in 10 percent increments by specific occupancy
absv_FRGBSDmgSqFtSOccupPost	Final Results showing GBS post-firm damage by building square footage in 10 percent increments by specific occupancy
absv_FRGBSDmgSqFtSOccupPre	Final Results showing GBS pre-firm damage by building square footage in 10 percent increments by specific occupancy
absv_FRGBSEcLossByGBldgTypeAll	Final Results showing GBS economic loss by building type and general occupancy
absv_FRGBSEcLossByGBldgTypePost	Final Results showing GBS post-firm economic loss by building type and general occupancy
absv_FRGBSEcLossByGBldgTypePre	Final Results showing GBS pre-firm economic loss by building type and general occupancy
absv_FRGBSEcLossByGOccupAll	Final Results for GBS economic loss by general occupancy
absv_FRGBSEcLossByGOccupPost	Final Results for GBS post-firm economic loss by general occupancy
absv_FRGBSEcLossByGOccupPre	Final Results for GBS pre-firm economic loss by general occupancy
absv_FRGBSEcLossBySOccupAll	Final Results for GBS economic loss by specific occupancy
absv_FRGBSEcLossBySOccupPost	Final Results for GBS post-firm economic loss by specific occupancy
absv_FRGBSEcLossBySOccupPre	Final Results for GBS pre-firm economic loss by specific occupancy
absv_FRGBSEcLossByTotalAll	Final Results for GBS total economic loss
absv_FRGBSEcLossByTotalPost	Final Results for GBS total post-firm economic loss
absv_FRGBSEcLossByTotalPre	Final Results for GBS total pre-firm economic loss
absv_FRHighwayBridge	Final Results for Highway Bridges

View Name	Description
absv_FRHighwaySegments	Final Results for highway segments
absv_FRHighwayTunnel	Final Results for highway tunnels
absv_FRLightRailBridge	Final Results for light rail bridges
absv_FRLightRailFlty	Final Results for light rail facilities
absv_FRLightRailSegments	Final Results for light rail segments
absv_FRLightRailTunnel	Final Results for light rail tunnels
absv_FRNaturalGasCompressorPlants	Final Results for natural gas compressor plants
absv_FRNaturalGasCtrlVltsAndCtrlStns	Final Results for natural gas control vaults and stations
absv_FRNaturalGasPl	Final Results for natural gas pipelines
absv_FROilCtrlVaultsCtrlStns	Final Results for oil control vaults and stations
absv_FROilPl	Final Results for oil pipelines
absv_FROilPumpingPlants	Final Results for oil pumping plants
absv_FROilRefinery	Final Results for oil refineries
absv_FROilTankFarm	Final Results for tank farms
absv_FRPoliceStation	Final Results for police stations
absv_FRPortFlty	Final Results for port facilities
absv_FRPotableWaterControlVaults	Final Results for potable water control vaults
absv_FRPotableWaterFlty	Final Results for potable water facilities
absv_FRPotableWaterPl	Final Results for potable water pipelines
absv_FRPotableWaterPumps	Final Results for potable water pumps
absv_FRPotableWaterTanks	Final Results for potable water tanks
absv_FRPotableWaterWells	Final Results for potable water wells
absv_FRRailFlty	Final Results for rail facilities
absv_FRRailwayBridge	Final Results for railway bridges
absv_FRRailwaySegment	Final Results for railway segments
absv_FRRailwayTunnel	Final Results for railways tunnels
absv_FRSchool	Final Results for schools
absv_FRShelter	Final Results for
absv_FRUserDefinedFlty	Final Results for user defined facilities
absv_FRVehDamage	Final Results for vehicle damages
absv_FRVehLoss	Final Results for vehicle loss
absv_FRWasteWaterCtrlVltsAndCtrlStns	Final Results for waster water control vaults and stations
absv_FRWasteWaterLiftStations	Final Results for Waste Water Lift Stations
absv_FRWasteWaterPl	Final Results for Waste Water pipelines
absv_FRWasteWaterTreatmentPlants	Final Results for Waste Water Treatment Plants
absv_FerryFlty	Inventory Ferry Facilities
absv_FireStation	Inventory fire stations
absv_GBSPostCount	GBS post-firm building count by flood depth
absv_GBSPostDepContExp	GBS post-firm deprectiated content exposure
absv_GBSPostDepContExpC	GBS post-firm deprectiated content exposure for coastal

View Name	Description
	areas
absv_GBSPostDepDollExp	GBS post-firm depreciated exposure by dollar
absv_GBSPostDepDollExpC	GBS post-firm depreciated exposure by dollar for coastal regions
absv_GBSPostSquareFeet	GBS post-firm building square footage by flood depth
absv_GBSPreCount	GBS pre-firm building count by flood depth
absv_GBSPreDepContExp	GBS pre-firm deprectiated content exposure
absv_GBSPreDepDollExp	GBS pre-firm depreciated exposure by dollar
absv_GBSPreDepExp	GBS pre-firm depreciated exposure
absv_GBSPreDollExp	GBS pre-firm depreciated exposure by dollar
absv_GBSPreSquareFeet	GBS pre-firm building square footage by flood depth
absv_Hazmat	Inventory of hazardous material sites
absv_HighwayBridge	Inventory highway bridges
absv_HighwaySegment	Inventory highway segments
absv_HighwayTunnel	Inventory highway tunnels
absv_IELMEmpWithAid	
absv_IELMEmpWithoutAid	
absv_IELMIncWithAid	
absv_IELMIncWithoutAid	
absv_IELMParam4	
absv_IELMParam5	
absv_IELMParam6	
absv_InvFFEValuesDef	Inventory, First-Floor Elevation Values, Default set
absv_InvFFEValuesUDef	Inventory, First-Floor Elevation Values, User-Defined set
absv_InvGBSBldgCountBldgType	Inventory
absv_InvGBSBldgCountOccupGen	Inventory, GBS Building count by general occupancy
absv_InvGBSBldgCountOccupSpec	Inventory, GBS Building count by specific occupancy
absv_InvGBSDepExposureBldgGBldgType	Inventory, GBS depreciated building exposure by building type and general occupancy
absv_InvGBSDepExposureBldgGOccup	Inventory, GBS depreciated building exposure by general occupancy
absv_InvGBSDepExposureBldgSOccup	Inventory, GBS depreciated building exposure by building type and specific occupancy
absv_InvGBSDepExposureContentGBldgType	Inventory, GBS depreciated building content exposure by building type and general occupancy
absv_InvGBSDepExposureContentGOccup	Inventory, GBS depreciated building content exposure by general occupancy
absv_InvGBSDepExposureContentSOccup	Inventory, GBS depreciated building content exposure by specific occupancy
absv_InvGBSDepExposureTotalGBldgType	Inventory, GBS total depreciated exposure by building type and general occupancy
absv_InvGBSDepExposureTotalGOccup	Inventory, GBS total depreciated exposure by general occupancy

View Name	Description
absv_InvGBSDepExposureTotalSOccup	Inventory, GBS total depreciated exposure by specific occupancy
absv_InvGBSDepParmMedAge	Inventory, CountyFIPS and census block
absv_InvGBSExposureBldgGBldgType	Inventory, GBS building exposure by general occupancy and building type
absv_InvGBSExposureBldgGOccup	Inventory, GBS building exposure by general occupancy
absv_InvGBSExposureBldgSOccup	Inventory, GBS building exposure by specific occupancy
absv_InvGBSExposureContentGBldgType	Inventory, GBS building content exposure by general occupancy and building type
absv_InvGBSExposureContentGOccup	Inventory, GBS building content exposure by general occupancy
absv_InvGBSExposureContentSOccup	Inventory, GBS building content exposure by specific occupancy
absv_InvGBSExposureTotalGBldgType	Inventory, GBS total exposure by building type and general occupancy
absv_InvGBSExposureTotalGOccup	Inventory, GBS total exposure by building type and general occupancy
absv_InvGBSExposureTotalSOccup	Inventory, GBS total exposure by building type and specific occupancy
absv_InvGBSOccupMapBldgAge	Inventory, Building age by decade
absv_InvGBSSqFootageCounty	Inventory, County name and FIPS code
absv_InvGbsSqFt	Inventory, GBS square footage by specific occupancy and census block
absv_InvGbsSqFtFactors	Inventory, GBS square footage by specific occupancy
absv_InvGbsValParmBasement	Inventory, basement data by census block
absv_InvGbsValParmGarages	Inventory, garage data by census block
absv_Levees	Inventory, Levees
absv_LightRailBridge	Inventory, light rail bridges
absv_LightRailFlty	Inventory, light rail facilities
absv_LightRailSegment	Inventory, light rail segments
absv_LightRailTunnel	Inventory, light rail tunnels
absv_MeansLocationFactors	Means location factors
absv_Military	Military
absv_NaturalGasCompressorPlants	Natural gas compressor plants
absv_NaturalGasCtrlVltsAndCtrlStns	Natural gas control vaults and stations
absv_NaturalGasPl	Natural gas pipelines
absv_NightVehicleDollarExposure	Night time vehicle dollar exposure
absv_NightVehicleInv	Night time vehicle inventory
absv_NonResNumberStories	Number of stories in the non residential buildings
absv_NuclearFlty	Nuclear facilities
absv_OilCtrlVaultsCtrlStns	Oil control vaults and stations
absv_OilPl	Oil pipelines
absv_OilPumpingPlants	Oil pumping plants

View Name	Description
absv_OilRefineries	Oil refineries
absv_OilTankFarm	Oil tank farms
absv_OtherResNumberStories	Non-residential story data
absv_OwnerOccupied	Owner occupied
absv_PctContentOfStructureValue	Percent of structure content by specific occupancy
absv_PoliceStation	Police stations
absv_PortFlty	Port facilities
absv_PotableWaterControlVaults	Potable water control vaults
absv_PotableWaterFacility	Potable water facilities
absv_PotableWaterPl	Potable water pipelines
absv_PotableWaterPumps	Potable water pumps
absv_PotableWaterTanks	Potable water tanks
absv_PotableWaterWells	Potable water wells
absv_PowerPlants	Power plants
absv_RailFlty	Rail facilities
absv_RailwayBridge	Railway bridges
absv_RailwaySegment	Railway segments
absv_RailwayTunnel	Railway tunnels
absv_RecaptureFactors	Recapture data by specific occupancy
absv_RentalParam	Rental income by specific occupancy
absv_ReplacementCost	Replacement cost data by specific occupancy
absv_Res1ConstructionWt	Residential construction weight data
absv_Res1GarageAdjustment	Adjusted garage cost data per resident
absv_Res1NumberStories	Residential story data by census block
absv_Res1ReplCost	Residential replacement cost data
absv_RsFnEssntFlty	Essential facility restoration data
absv_RsFnGBS	GBS restoration data
absv_Runway	Airfield runway data
absv_SchemeCoastalPost	Post-firm coastal scheme data
absv_SchemeCoastalPre	Pre-firm coastal scheme data
absv_SchemeGLakesPost	Post-firm Great Lakes scheme data
absv_SchemeGLakesPre	Pre-firm Great Lakes scheme data
absv_SchemeMapping	Mapping scheme data
absv_SchemeRiverinePost	Post-firm riverine scheme data
absv_SchemeRiverinePre	Pre-firm riverine scheme data
absv_School	Schools
absv_ShelterParamAge	Shelter population age data
absv_ShelterParamIncome	Shelter household income factor data
absv_ShelterParamWeighting	Shelter income, age, ethnic, ownership weighting factor data

View Name	Description
absv_SubCountyAgriRegions	Agriculture regions in the sub county
absv_UDEFSOccupLookUp	Specific occupancy, rise, basement
absv_UDEFlty	User defined facilities damage function IDs
absv_UserDefinedFlty	User defined facilities
absv_UtilFltyDmgFn	Utility damage functions
absv_UtilzCommDmgFn	Utilities common damage functions
absv_UtilzEPowerDmgFn	Utilities electric power damage functions
absv_UtilzNGasDmgFn	Utilities natural gas damage functions
absv_UtilzOilDmgFn	Utilities oil damage functions
absv_UtilzPWaterDmgFn	Utilities potable water damage functions
absv_UtilzWWaterDmgFn	Utilities waste water damage functions
absv_VehDmgFn	Vehicles damage functions
absv_ViewClassAirportFlty	Airport classifications
absv_ViewClassAirportRunway	Airport runway classifications
absv_ViewClassBldgType	Building type classifications
absv_ViewClassBusFlty	Bus facilities classifications
absv_ViewClassCareFlty	Care facilities classifications
absv_ViewClassCommFlty	Communication facilities classifications
absv_ViewClassDams	Dam classifications
absv_ViewClassElectricPowerFlty	Electric power facilities classifications
absv_ViewClassEmergencyCtr	Emergency center classifications
absv_ViewClassFerryFlty	Ferry facilities classifications
absv_ViewClassFireStation	Fire stations classifications
absv_ViewClassHazMat	Hazardous material classifications
absv_ViewClassHwyBridge	Highway bridge classifications
absv_ViewClassHwySegments	Highway segments classifications
absv_ViewClassHwyTunnels	Highway tunnels classifications
absv_ViewClassLevee	Levee classifications
absv_ViewClassLightRailBridge	Light rail bridges classifications
absv_ViewClassLightRailFlty	Light rail facilities classifications
absv_ViewClassLightRailSegments	Light rail segments classifications
absv_ViewClassLightRailTunnels	Light rail tunnels classifications
absv_ViewClassMilitary	Military classifications
absv_ViewClassNaturalGasFlty	Natural gas facilities classifications
absv_ViewClassNaturalGasPl	Natural gas pipelines classifications
absv_ViewClassNuclear	Nuclear classifications
absv_ViewClassOccup	Occupancy classifications
absv_ViewClassOilFlty	Oil facilities classifications
absv_ViewClassOilPl	Oil pipelines classifications
absv_ViewClassPoliceStation	Police stations classifications

View Name	Description
absv_ViewClassPortFlty	Port facilities classifications
absv_ViewClassPotableWaterFlty	Potable water facilities classifications
absv_ViewClassPotableWaterPl	Potable water pipelines classifications
absv_ViewClassRailwayBridge	Railway bridges classifications
absv_ViewClassRailwayFlty	Railway facilities classifications
absv_ViewClassRailwaySegments	Railway segments classifications
absv_ViewClassRailwayTunnels	Railways tunnels classifications
absv_ViewClassWasteWaterFlty	Waste water facilities classifications
absv_ViewClassschool	Schools classifications
absv_ViewClasswasteWaterPl	Waste water pipelines classifications
absv_WageCapitalIncome	Wage information by specific occupancy
absv_WasteWaterCtrlVltsAndCtrlStns	Waste water control vaults and stations
absv_WasteWaterLiftStations	Waste water lift stations
absv_WasteWaterPl	Waste water plants
absv_WasteWaterTreatmentPlants	Waste water treatment plants

3.1.1.2.2.3 Template Database Triggers, Stored Procedures, and User-Defined Functions

The Template Database also uses stored procedures and triggers.

Trigger Name	Description
abst_UPDTract	If a user updates a BldgSchemesId for a Tract in hzTract table, this trigger propagates it to all its CensusBlocks in hzCensusBlock table
abst_UPDflSchemeInfo	Uses with the current date/time the [Updated] column when a user updates a SchemeId in flSchemeInfo table
abst_INSflSchemeInfo	Inserts the current date/time in [Created], and [Updated] columns when a user creates a new SchemeId in flSchemeInfo table
abst_INSflCareFlty	Updates the empty optional flCareFlty fields with the facility's class default from hzCareFlty upon insert in the flCareFlty
abst_INSflEmergencyCtr	Updates the empty optional flEmergencyCtr fields with the facility's class default from hzEmergencyCtr upon insert in the flEmergencyCtr

Trigger Name	Description
abst_INSflPoliceStation	Updates the empty optional flPoliceStation fields with the facility's class default from hzPoliceStation upon insert in the flPoliceStation
abst_INSflFireStation	Updates the empty optional flFireStation fields with the facility's class default from hzFireStation upon insert in the flFireStation
abst_INSflSchool	Updates the empty optional flSchool fields with the facility's class default from hzSchool upon insert in the flSchool
abst_INSflPotableWaterFlty	Updates the empty optional flPotableWaterFlty fields with the facility's class default from hzPotableWaterFlty upon insert in the flPotableWaterFlty
abst_INSflWasteWaterFlty	Updates the empty optional flWasteWaterFlty fields with the facility's class default from hzWasteWaterFlty upon insert in the flWasteWaterFlty
abst_INSflElectricPowerFlty	Updates the empty optional flElectricPowerFlty fields with the facility's class default from hzElectricPowerFlty upon insert in the flElectricPowerFlty
abst_INSflNaturalGasFlty	Updates the empty optional flNaturalGasFlty fields with the facility's class default from hzNaturalGasFlty upon insert in the flNaturalGasFlty
abst_INSflOilFlty	Updates the empty optional flOilFlty fields with the facility's class default from hzOilFlty upon insert in the flOilFlty

Stored Procedure	Description
absp_AALClearTables	Truncates all tables used in AAL process
absp_AALDoIt	Main AAL procedure
absp_AGRDmgCalcProc	Calculates agriculture damages
absp_AddNewGenBldgScheme	Adds a new Building scheme by general occupancy
absp_AddNewSpecScheme	Adds a new Building scheme by specific occupancy
absp_AgriDoIt	Main agriculture procedure
absp_AgricultureAreaImport	Imports agriculture area data
absp_AnalysisLogSetUp	Analysis log file setup
absp_AnalysisLogSetUp_quick	Analysis log file setup call
absp_BldgDepExpOccupB	Depreciated exposure by census block
absp_CBAreaAffected	Calculates percentage of affected census blocks
absp_CLBlocks	updates flSchemeMapping.SchemeID, with the correct value taken from hzCensusBlock.BlockType

Stored Procedure	Description
absp_ContDepExpOccupB	Creates flDepExposureContentOccupB
absp_CopyDefaultSchemes	Copy's default schemes
absp_CreateMapView	Generic map view call
absp_DebrisBaseTabT	Transposes debris base table
absp_DebrisDoIt	Main debris procedure
absp_DebrisFinal	Creates Debris damage table
absp_DebrisPostDmg	Calculates the post firm depths
absp_DebrisPostFSF	Creates Debris intermediate table
absp_DebrisPostFSFC	Creates Debris intermediate table
absp_DebrisPreDmg	Calculates the pre firm depths
absp_DebrisPreFSF	Creates Debris intermediate table
absp_DebrisSOccupCLR	Creates Debris intermediate table
absp_DebrisSchemeSOccup	Creates Debris intermediate table
absp_DebrisYearBuiltReduced	Creates Debris intermediate table
absp_DebrisflDepth	Creates Debris intermediate table
absp_DeleteSchemes	Deletes unused schemes
absp_DepExpOccupB	Creates flDepExposureOccupB table
absp_DepExposureContentGBldgTypeB	Creates flDepExposureGBldgTypeTotal table
absp_DepExposureGBldgTypeB	Create flDepExposureGBldgTypeB table
absp_DistDoIt	Generates study region distribution table
absp_DmgBaseSplit	Splits absf_DmgBase() into 4 distinct HazardType tables
absp_DmgDoIt	Generates study region damage functions
absp_DmgFinal	Creates flDmgFinal table
absp_DmgFnNorm	Intermediate damage function table
absp_DoProc	Generic SQL server procedure call
absp_ExposureContentGBldgTypeB	Creates hzExposureContentGBldgTypeB table
absp_ExposureGBldgTypeB	Creates hzExposureGBldgTypeB table
absp_FWGBS	GBS flood warning procedure
absp_FWVehicle	Vehicle flood warning procedure
Absp_GBSBasePrep	GBS process preparatory procedure
absp_GBSBldgContDmg	Generates GBS building content damage values
absp_GBSBldgEconParamFinalBldg	Creates flAnGBSBldgEconParamFinal table
absp_GBSCombinedDmgBldg	Creates flAnGBSCombinedDmg table
absp_GBSDepEconLoss	Generates GBS depreciated economic loss values
absp_GBSDmgCounts	Generates GBS building count values
absp_GBSDmgPost	Creates flAnGBSCombinedDmgPost table
absp_GBSDmgPostC	Creates flAnGBSCombinedDmgPostC table
absp_GBSDmgPostCont	Creates flAnGBSCombinedDmgPostCont table
absp_GBSDmgPostContC	Creates flAnGBSCombinedDmgPostContC table
absp_GBSDmgPostInv	Creates flAnGBSCombinedDmgPostInv table
absp_GBSDmgPostInvC	Create flAnGBSCombinedDmgPostInvC table
absp_GBSDmgPre	Creates flAnGBSCombinedDmgPre table
absp_GBSDmgPreCont	Creates flAnGBSCombinedDmgPreCont table

Stored Procedure	Description
absp_GBSDmgPreInv	Updates flAnGBSCombinedDmgPreInv table
absp_GBSDmgSqPost	Updates flAnGBSSqDmgPost table
absp_GBSDmgSqPre	Creates table flAnGBSSqDmg
absp_GBSDoIt	Main GBS procedure
absp_GBSEconLoss	Generates GBS economic loss values
absp_GBSFRCountPost	Updates table flFRGBSDmgCountSOccupB with post-firm values
absp_GBSFRCountPre	Updates table flFRGBSDmgCountSOccupB with pre-firm values
absp_GBSFRDepEcLoss	Updates table flFRGBSDepEcLossByGOccup from flFRGBSDepEcLossBySOccup
absp_GBSFRDepEcLossByGBldgType	Updates table flFRGBSDepEcLossByGBldgType
absp_GBSFRDepEcLossSOccupPost	Updates table flFRGBSDepEcLossBySOccup with post-firm values
absp_GBSFRDepEcLossSOccupPre	Updates table flFRGBSDepEcLossBySOccup with pre-firm values
absp_GBSFRDmg	Updates table flFRGBSDmgGOccupB from flFRGBSDmgSOccupB
absp_GBSFRDmgCount	Updates table flFRGBSDmgCountGOccupB from flFRGBSDmgCountSOccupB
absp_GBSFRDmgCountGBldgType	Updates table flFRGBSDmgCountGBldgType
absp_GBSFRDmgCountPost	Updates table flAnGBSCountDmgPost
absp_GBSFRDmgCountPre	Updates table flAnGBSCountDmg
absp_GBSFRDmgGBldgType	Updates table flFRGBSDmgGBldgType
absp_GBSFRDmgSqPost	Updates table flFRGBSDmgSOccupB
absp_GBSFRDmgSqPre	Updates table flFRGBSDmgSOccupB
absp_GBSFREcLoss	Updates table flFRGBSEcLossByTotal
absp_GBSFREcLossByGBldgType	Updates table flFRGBSEcLossByGBldgType
absp_GBSFREcLossSOccupPost	Updates table flFRGBSEcLossBySOccup with post-firm values
absp_GBSFREcLossSOccupPre	Updates table flFRGBSEcLossBySOccup with pre-firm values
absp_GBSFloodVelocity	Updates velocity tables
absp_GBSInsertAW	Inserts rows into the flAnAreaWeighted table
absp_GBSPostBuildingContent	Updates table flAnGBSPostBuildingContent
absp_GBSPostDollDmg	Updates table flAnGBSPostDollDmg
absp_GBSPostEmployment	Updates table flAnGBSPostEmployment
absp_GBSPostIncome	Updates table flAnGBSPostIncome
absp_GBSPostInvDmg	Updates table flAnGBSPostInvDmg
absp_GBSPostOutput	Updates table flAnGBSPostOutput
absp_GBSPostRelocation	Updates table flAnGBSPostRelocation
absp_GBSPostRental	Updates table flAnGBSPostRental
absp_GBSPostRestoration	Updates table flAnGBSPostRestoration
absp_GBSPostWage	Updates table flAnGBSPostWage
absp_GBSPreBuildingContent	Updates table flAnGBSPreBuildingContent
absp_GBSPreDollDmg	Updates table flAnGBSPreDollDmg

Stored Procedure	Description
absp_GBSPreEmployment	Updates table flAnGBSPreEmployment
absp_GBSPreIncome	Updates table flAnGBSPreIncome
absp_GBSPreInvDmg	Updates table flAnGBSPreInvDmg
absp_GBSPreOutput	Updates table flAnGBSPreOutput
absp_GBSPreRelocation	Updates table flAnGBSPreRelocation
absp_GBSPreRental	Updates table flAnGBSPreRental
absp_GBSPreRestoration	Updates table flAnGBSPreRestoration
absp_GBSPreWage	Updates table flAnGBSPreWage
absp_GBSReturnPeriods	Determines census blocks in each return period
absp_GBSSetXResults	Gathers all exposure data by occupancy for affected census blocks
absp_GBSSyncAccessMSSQL	Creates a GBS SQL table from a Access table
absp_GBSUpdateDistPercent	Used to update User Defined SchemeIds
absp_GBSVelBldgCatg	Updates table flAnGBSCombinedDmg for velocity
absp_GBSVelDoIt	Main velocity procedure
absp_GBSVelocity	Creates the PctSOccupId & PctName and sets velocity values to 100
absp_GBSVelocityAW	Calculates GBS area weighted for velocity
absp_GCountGBldgTypeB	Updates table hzBldgCountGBldgTypeB
absp_GenerateNewSchemeId	Generates new schemeid
absp_GenerateNewSpecSchemeId	Generates new specific schemeid
absp_GetBldgSchemesDetails	Retrieves building schemes
absp_GetErrorInfo	Outputs error messages to log file
absp_GetPrimaryKeyColumn	Gets primary key column from a table
absp_GetSchemeCoastalCursor	Gets coastal scheme cursor
absp_GetSchemeGLakesCursor	Gets great lakes scheme cursor
absp_GetSchemeRiverineCursor	Gets riverine scheme cursor
absp_GetViewNameAndPK	Gets view name and primary key
absp_IELMDirLossVectBySOccupB	Updates table flIELMDirLossBySOccup
absp_IELMParamsEmpInc	Updates table flIELMParams
absp_InsQuickLookID	Inserts the StudyCaseId = 99999, and resets the identity seed back to the next number of the seq.
absp_KickCRepDoIt	Main Crystal Reports procedure
absp_KickCRepEssntFlty	Updates essential facilities reports
absp_KickCRepExpTransp	Updates transportation reports
absp_KickCRepExpUtil	Updates utility reports
absp_KickCRepFREcLossByGOccup	Updates economic loss by general occupancy reports
absp_KickCRepFRLossEssnt	Updates essential facilities loss reports
absp_KickCRepFRLossTransp	Updates transportation loss reports
absp_KickCRepFRLossUtility	Updates utility loss reports
absp_PctContentOfStructureValue	Updates table flPctContentOfStructureValue
absp_PopTabWrapper	Populates multiple exposure tables
absp_PropagateSSchemeCntyToBlock	Populates scheme census blocks from county table
absp_PropagateSchemeTractToBlock	Populates scheme census tracts from county

Stored Procedure	Description
	table
absp_RCTab	Deleting/inserting into the flAnResultsControl table
absp_SHRCalcFactors	Populates intermediate shelter tables
absp_SHRConstParam	Populates intermediate shelter tables
absp_SHRDoIt	Main shelter procedure
absp_ShowBlankSchemeInTract	Finds empty schemes in tract table
absp_StudyCaseIdDelete	Deletes study case
absp_StudyCaseIdSaveAs	Saves study case
absp_StudyRgnCreationPostProcess	Sets up SQL tables after study region creation
absp_StudyRgnCreationPostProcessEf	Sets up essential facility SQL tables after study region creation
absp_StudyRgnCreationPostProcessGbs	Sets up GBS SQL tables after study region creation
absp_StudyRgnCreationPostProcessHplf	Sets up high potential loss facility SQL tables after study region creation
absp_StudyRgnCreationPostProcessRefInt	Sets up referential integrity SQL tables after study region creation
absp_StudyRgnCreationPostProcessScheme	Sets up scheme SQL tables after study region creation
absp_StudyRgnCreationPostProcessTrn	Sets up transportation SQL tables after study region creation
absp_StudyRgnCreationPostProcessUtil	Sets up utility SQL tables after study region creation
absp_StudyRgnCreationPostProcessVeh	Sets up vehicle SQL tables after study region creation
absp_SyncAccessMSSQL	Creates a SQL table from a Access table
absp_TruncFRTab	Truncates all final results tables
absp_UpdateAllSchemes	Updates all used schemes
absp_UpdateBridgeDmg	Updates bridge damage functions
absp_UpdateClass	Generic SQL table update
absp_VehCombinedDmg	Combines vehicle exposure and damage data
absp_VehDoIt	Main vehicle procedure
absp_VehFRCount	Final result vehicle count
absp_VehLoss	Vehicle loss data
absp_VehicleDmg	Vehicle damage data
absp_db_size	Gets the size of the SR database
absp_freespace	Gets the available drive space of the users Study Region drive.
absp_getNextId	Gets next ID iteration
absp_hdd_state	Displays the state of the hard disk drive
absp_logmessage	Logs a time stamped module message in a log file
absp_logmessage_quick	Logs a quick look time stamped module message in a log file
absp_quicklog	Logs a time stamped message in a log file
absp_shrink	shrink the flTmpDB and tempdev, templog files

Stored Procedure	Description
absp_sumDepExposureGBldgTypeTotal	Updates table flDepExposureGBldgTypeTotal
absp_sumDepExposureOccupTotal	Updates table flDepExposureOccupTotal
absp_sumExposureGBldgTypeTotal	Updates table flExposureGBldgTypeTotal
absp_sumExposureOccupTotal	Updates table flExposureOccupTotal
absp_tempdb_size	Gets the size of tempdb, templog, and tempdev
absp_vehicleInvT	Updates table flAnVehicleInv

User-Defined Function	Description
absf_AALGetLoss	Get all 9 AAL Losses
absf_AALGetLossT	Transpose all 9 AAL Loss
absf_AALCalcBuildingLoss	Calculates AAL Building Loss
absf_AALCalcContentsLoss	Calculates AAL Contents Loss
absf_AALCalcEmploymentLoss	Calculates AAL Employment Loss
absf_AALCalcIncomeLoss	Calculates AAL Income Loss
absf_AALCalcInventoryLoss	Calculates AAL Inventory Loss
absf_AALCalcOutputLoss	Calculates AAL Output Loss
absf_AALCalcRelocationCost	Calculates AAL Relocation Cost
absf_AALCalcRentalIncomeLoss	Calculates AAL Income Loss
absf_AALCalcWageLoss	Calculates AAL Wage Loss
absf_AALGetBuildingLoss	Transpose Building Loss by RPs
absf_AALGetContentsLoss	Transpose Contents Loss by RPs
absf_AALGetEmploymentLoss	Transpose Employment Loss by RPs
absf_AALGetIncomeLoss	Transpose Income Loss by RPs
absf_AALGetInventoryLoss	Transpose Inventory Loss by RPs
absf_AALGetOutputLoss	Transpose Output Loss by RPs
absf_AALGetRelocationCost	Transpose Relocation Cost by RPs
absf_AALGetRentalIncomeLoss	Transpose Rental Income Loss by RPs
absf_AALGetTotalLoss	Transpose Total Loss by RPs
absf_AALGetWageLoss	Transpose Wage Loss by RPs
absf_AALGetLogLoss	Get Log of all 9 Losses
absf_AALGetLogBuildingLoss	Get Log of Building Loss
absf_AALGetLogContentsLoss	Get Log of Contents Loss
absf_AALGetLogEmploymentLoss	Get Log of Employment Loss
absf_AALGetLogIncomeLoss	Get Log of Income Loss
absf_AALGetLogInventoryLoss	Get Log of Inventory Loss
absf_AALGetLogOutputLoss	Get Log of Output Loss
absf_AALGetLogRelocationCost	Get Log of Relocation Cost
absf_AALGetLogRentalIncomeLoss	Get Log of Rental Income Loss
absf_AALGetLogWageLoss	Get Log of Wage Loss
absf_AALStatTotalLoss	Returns SUM, AVG, STD, and #RPs for TotalLoss
absf_AALStatBuildingLoss	Returns SUM, AVG, STD, and #RPs for Building Loss

User-Defined Function	Description
absf_AALStatContentsLoss	Returns SUM, AVG, STD, and #RPs for Contents Loss
absf_AALStatEmploymentLoss	Returns SUM, AVG, STD, and #RPs for Employment Loss
absf_AALStatIncomeLoss	Returns SUM, AVG, STD, and #RPs for Income Loss
absf_AALStatInventoryLoss	Returns SUM, AVG, STD, and #RPs for Inventory Loss
absf_AALStatOutputLoss	Returns SUM, AVG, STD, and #RPs for Output Loss
absf_AALStatRelocationCost	Returns SUM, AVG, STD, and #RPs for Relocation Cost
absf_AALStatRentalIncomeLoss	Returns SUM, AVG, STD, and #RPs for Income Loss
absf_AALStatWageLoss	Returns SUM, AVG, STD, and #RPs for Wage Loss
absf_AALStatLogTotalLoss	Returns SUM, AVG, STD, and #RPs for Log(TotalLoss)
absf_AALStatLogBuildingLoss	Returns SUM, AVG, STD, and #RPs for Log(BuildingLoss)
absf_AALStatLogContentsLoss	Returns SUM, AVG, STD, and #RPs for Log(ContentsLoss)
absf_AALStatLogEmploymentLoss	Returns SUM, AVG, STD, and #RPs for Log(EmploymentLoss)
absf_AALStatLogIncomeLoss	Returns SUM, AVG, STD, and #RPs for Log(IncomeLoss)
absf_AALStatLogInventoryLoss	Returns SUM, AVG, STD, and #RPs for Log(InventoryLoss)
absf_AALStatLogOutputLoss	Returns SUM, AVG, STD, and #RPs for Log(OutputLoss)
absf_AALStatLogRelocationCost	Returns SUM, AVG, STD, and #RPs for Log(RelocationCost)
absf_AALStatLogRentalIncomeLoss	Returns SUM, AVG, STD, and #RPs for Log(RentalIncomeLoss)
absf_AALStatLogWageLoss	Returns SUM, AVG, STD, and #RPs for Log(WageLoss)
absf_AALLSSBuildingLoss	AAL Least Squares Solution for Building Loss
absf_AALLSSContentsLoss	AAL Least Squares Solution for Contents Loss
absf_AALLSSEmploymentLoss	AAL Least Squares Solution for Employment Loss
absf_AALLSSIncomeLoss	AAL Least Squares Solution for Income Loss
absf_AALLSSInventoryLoss	AAL Least Squares Solution for Inventory Loss
absf_AALLSSOutputLoss	AAL Least Squares Solution for Output Loss
absf_AALLSSRelocationCost	AAL Least Squares Solution for Relocation Cost
absf_AALLSSRentalIncomeLoss	AAL Least Squares Solution for Rental Income Loss
absf_AALLSSWageLoss	AAL Least Squares Solution for Wage Loss
absf_AnAreaWeightedT	Transposes the flAnAreaWeighted by trimming the unnecessary (NULL) depths

User-Defined Function	Description
absf_AnAreaWeighted	Convert BlockType char(1) to BlockTypeID int and Zone varchar(2) to HazTypeID int
absf_BldgContDmgFn	Content Damage Functions for Buildings
absf_BldgInvDmgFn	Inventory Damage Functions for Buildings
absf_BldgStructDmgFn	Structure Damage Functions for Buildings
absf_Decade	Determine the [median] decade a census block was built
absf_DmgBase	Interpolates the 0.5 foot structure damage function values, and transposes the depth/damage key/value pairs
absf_DmgPctCoastANoInv	Coastal A damage percentage for specific occupancies without inventory
absf_DmgPctCoastAWithInv	Coastal A damage percentage for specific occupancies with inventory
absf_DmgPctCoastAZero	Coastal A damage percentage for negative depth in structure
absf_DmgPctCoastCANoInv	Coastal CA Damage percentage for specific occupancies without inventory
absf_DmgPctCoastCAWithInv	Coastal CA Damage percentage for specific occupancies with inventory
absf_DmgPctCoastCAZero	Coastal CA Damage percentage for negative depth in structure
absf_DmgPctCoastVNoInv	Coastal V Damage percentage for specific occupancies without inventory
absf_DmgPctCoastVWithInv	Coastal V Damage percentage for specific occupancies with inventory
absf_DmgPctCoastVZero	Riverine Damage percentage for negative depth in structure
absf_DmgPctRivNoInv	Riverine Damage percentage for specific occupancies without inventory
absf_DmgPctRivWithInv	Riverine Damage percentage for specific occupancies with inventory
absf_DmgPctRivZero	Riverine Damage percentage for specific occupancies without inventory
absf_GBSBaseTabT	Transposes GBS base tables
absf_GBSBldgEconParam	Sum up the economic parameters from specific (33) to general (7) occupancies
absf_GBSBldgEconParamFinal	Splits basement/no basement in economic tables
absf_GBSCoastalACont	Generates a GBS Coastal A contents table
absf_GBSCoastalAInv	Generates a GBS Coastal A inventory table
absf_GBSCoastalAStruct	Generates a GBS Coastal A structure table
absf_GBSCoastalOCont	Generates a GBS Coastal O contents table
absf_GBSCoastalOInv	Generates a GBS Coastal O inventory table
absf_GBSCoastalOStruct	Generates a GBS Coastal O structure table
absf_GBSCoastalVCont	Generates a GBS Coastal V contents table
absf_GBSCoastalVInv	Generates a GBS Coastal V inventory table
absf_GBSCoastalVStruct	Generates a GBS Coastal V structure table

User-Defined Function	Description
absf_GBSCombinedDmg	
absf_GBSNRMergeCalcs	Calculates all GBS non-residential occupancies
absf_GBSNonResDMG	Joins flGBSDistNonRes to damage tables using schemes used, HazardTypeIds used, FirmIDs used in absf_GBSAnAreaWeighted and absf_PrePostPct(), also populates the damage bin using the percent damage.
absf_GBSNonResDMGsum	Sum up of FoundationId & StoryID from absf_GBSNonResDMG
absf_GBSNonResMergeAll	Merge of all non-residential distribution and damage functions
absf_GBSPostDmgVals	Calculate the post firm damages by depth
absf_GBSPreDmgVals	Calculate the pre firm damages by depth
absf_GBSPrePostAreaW	Join of non-residential pre and post percent and area weighted table
absf_GBSPrePostBldg	Calculates the pre post building counts
absf_GBSPrePostPct	Calculates the pre post building percentages
absf_GBSResDMG	Joins flGBSDistRes to damage tables using schemes used, HazardTypeIds used, FirmIDs used in absf_GBSAnAreaWeighted and absf_PrePostPct(), also populates the damage bin using the percent damage.
absf_GBSResDMGsum	Sum up of FoundationId & StoryID from absf_GBSResDMG
absf_GBSResMergeAll	Merge of all residential distribution and damage functions
absf_GBSResMergeCalcs	Calculates all GBS non-residential occupancies
absf_GBSResPrePostAreaW	Join of residential pre and post percent and area weighted table
absf_GBSRiverineCont	generates a selected riverine contents damage function table
absf_GBSRiverineInv	generates a selected riverine inventory damage function table
absf_GBSRiverineStruct	generates a selected riverine structure damage function table
absf_GBSRsFnGBST	Generates table flAnGBSPreRestoration
absf_GBSSchemeSOccup	Sum up the specific (33) to general (7) occupancies used in GBS
absf_GBSSchemeSOccupCLR	Unions Coastal, Lake, Riverine (CLR)
absf_GBSUsedDecades	Gets decade data in affected census blocks
absf_GBSUsedFIRMIDs	Gets firm id data in affected census blocks
absf_GBSUsedHazardTypeID	Gets hazard type id data in affected census blocks
absf_GBSUsedSchemes	Gets scheme id data in affected census blocks
absf_GBSYearBuilt	Gets an average year built for an affected census block by depth
absf_GBSYearBuiltReduced	Gets a percentage of year built buildings in an affected census block by depth
absf_GetTimingMsg	Outputs a process time span message

User-Defined Function	Description
absf_MappingSchemeCLR	Unions all Riverine, Coastal, Lake, Mapping Schemes
absf_MappingSchemeSC	Produces only the Mapping Scheme(s) assigned to census blocks within the study case

3.1.1.3 Data Dictionary

The Data Dictionary in Appendix B lists all of the tables and columns in the FL model database. The data dictionary is divided into the system and template databases. Each database has a list of tables and a list of columns. The list of tables has the database table name, its primary key, and description of the table. The list of columns has the table name, the name of the column, the data type, and a description.

3.1.1.4 Geographical Data

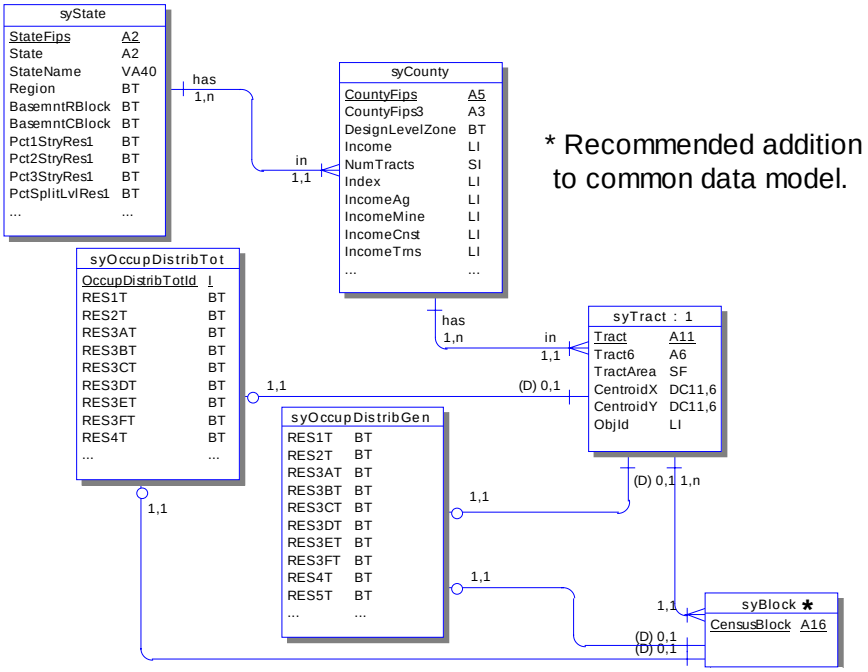

Figure 3-59 syHazus Geographical Data ERD

3.1.1.4.1 Default Template Datasets

PATH: C:\Program Files\HAZUS-MH\DATA\FL\Hydro\

NAME: FlAnCoastInput.mdb

GIS DATA TYPE: Personal Geodatabase

USE: Coastal Hazard

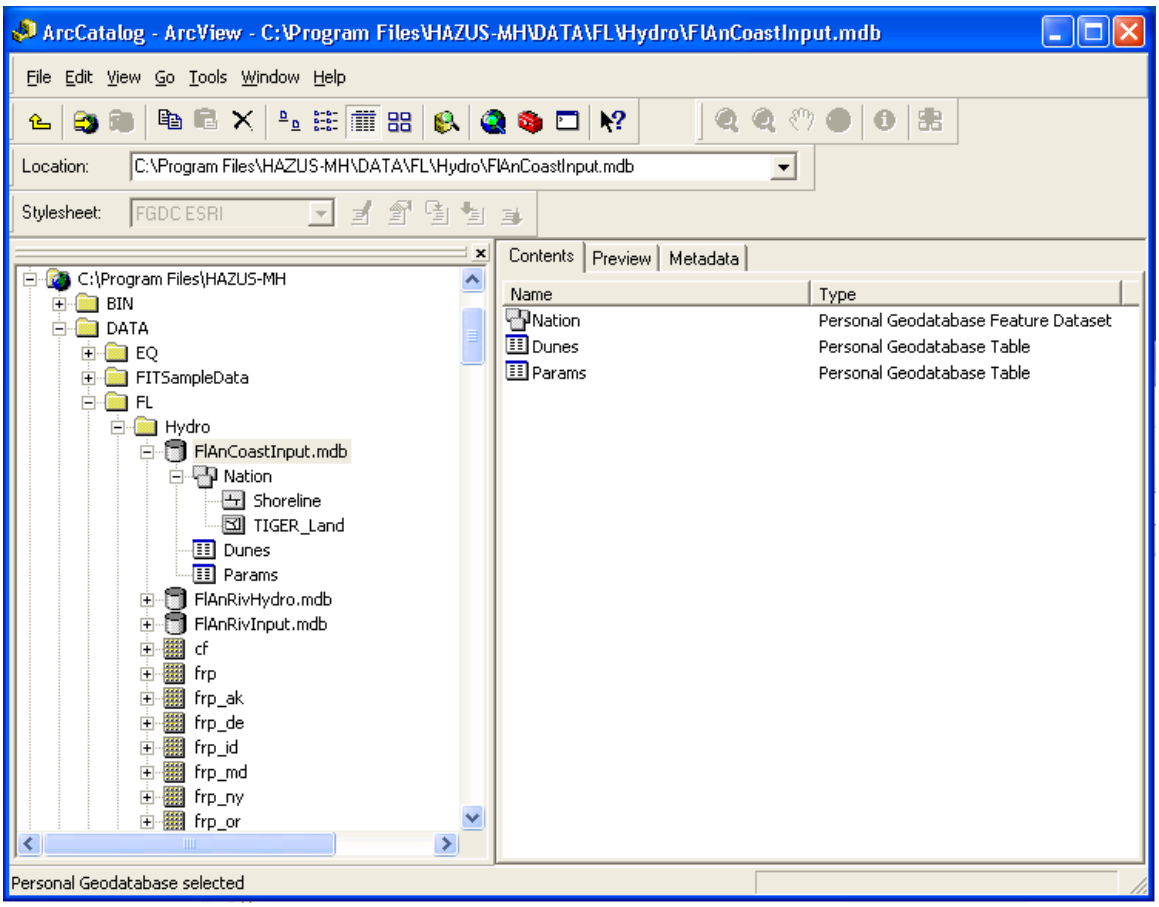

Figure 3-60 FlAnCoastInput.mdb

Table 3-7 Feature Datasets

Name	Description
Nation	Container to hold feature classes with common spatial references

Table 3-8 Feature Classess

Data Name	State	Description
Shoreline	All coastal states	National smoothed Shoreline
TIGER_Land	All coastal states	Coastal states and Territories

Table 3-9 Tables

Data Name	State	Description
Dunes	All coastal states	Threshold reservoir volumes for dunes to withstand being removed by erosion per return period per geographic area
Params	All coastal states	Parameters (transect lengths, wave periods) for coastal calculations per coastal county

PATH: C:\Program Files\HAZUS-MH\DATA\FL\Hydro\

NAME: FlAnRivHydro.mdb

GIS DATA TYPE: Personal Geodatabase

USE: Riverine hydrologic computations

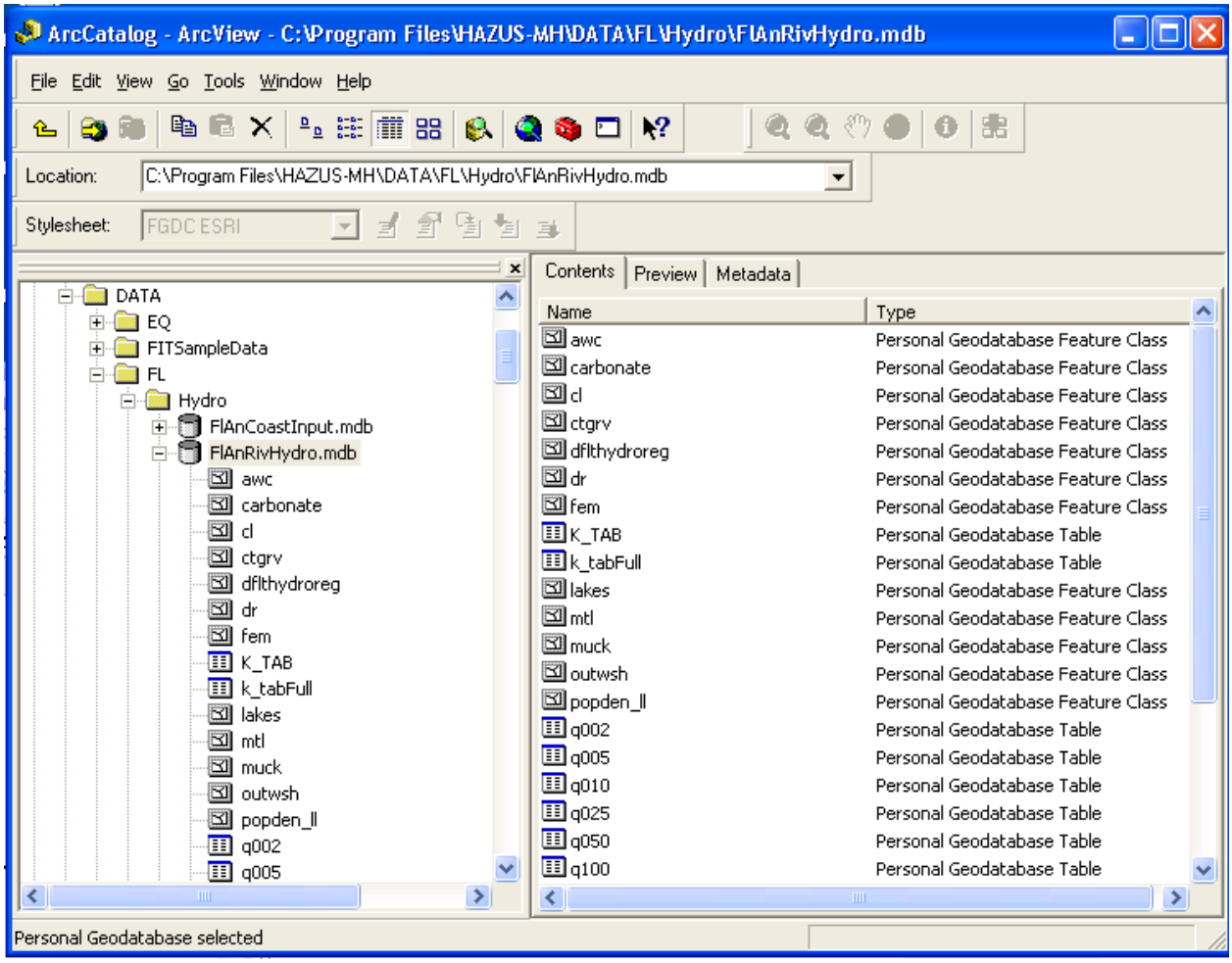

Figure 3-61 FlAnRivHydro.mdb

Table 3-10 Feature Classes

Data	State	Description
AWC	NE	Available water capacity of the 60-inch soil profile (Inches per hour)
CARBONATE	MD, PA	Carbonate bedrock
CL	MI	Clay and silt
CTGRV	MI	Coarse-textured glacial till

Data	State	Description
DFLHYDROREG	All states	Default hydrologic regions
DR	PR	Depth-to-rock
FEM	MI	End moraines of fine-textured till
K_TABFULL	All states	Table of normalized random variables. Variables are Pearson Type III distributed, covering a range of skew coefficients
LAKES	MN	Area covered by lakes
LAKES	VT	Area covered by lakes and ponds
MTL	MI	Medium-textured glacial till
MUCK	MI	Peat and muck
OUTWSH	MI	Outwash
POPDEN_LL	NJ	Population density
Q002	All states	Table of upstream and downstream discharges for each reach for a return period of 2 years
Q005	All states	Table of upstream and downstream discharges for each reach for a return period of 5 years
Q010	All states	Table of upstream and downstream discharges for each reach for a return period of 10 years
Q025	All states	Table of upstream and downstream discharges for each reach for a return period of 25 years
Q050	All states	Table of upstream and downstream discharges for each reach for a return period of 50 years
Q100	All states	Table of upstream and downstream discharges for each reach for a return period of 100 years
Q200	All states	Table of upstream and downstream discharges for each reach for a return period of 200 years
Q500	All states	Table of upstream and downstream discharges for each reach for a return period of 500 years
RC	IN	Runoff co-efficient
SOILPERM	IL, KS, WI	Soil permeability(Inches per hour)
SOILPERM	NE	Permeability of least permeable layer
SOILSLOPE	NE	Soil Slope
STRDFT	CT	Percent stratified drift

Data	State	Description
STRP_LL	AK, AL, CT, DE, FL, IL, MA, MD, ME, MI, NH, NJ, NY, OH, RI, VT, WI	Percent basin storage
STRP_LL	MN	Lakes and wetlands
TR	MI	Thin glacial till over bedrock

PATH: C:\Program Files\HAZUS-MH\DATA\FL\Hydro\

NAME: FlAnRivInput.mdb

GIS DATA TYPE: Personal Geodatabase

USE: Riverine hydrologic computations

Table 3-11 Feature Datasets

Name	Description
Nation	Container to hold feature classes with common spatial references

Table 3-12 Feature Classes

Data Name	State	Description
Basinnet	All States	Default river reaches draining 100-square miles based on a 400-meter DEM
Gages	All States	Default stream gage locations attributed with total and contributing drainage areas, and the mean, standard deviation, and coefficient of skew of the flood frequency curve at the gage
Watersheds	All States	Default watersheds draining 100-square miles based on a 400-meter DEM

Table 3-13 Tables

Data Name	State	Description
USFreq	All States	Frequency-based discharge data associated with the default reaches

PATH: C:\Program Files\HAZUS-MH\DATA\FL\Hydro\

NAME: Raster Data Sets

GIS DATA TYPE: Raster Dataset

USE: Riverine hydrologic computations

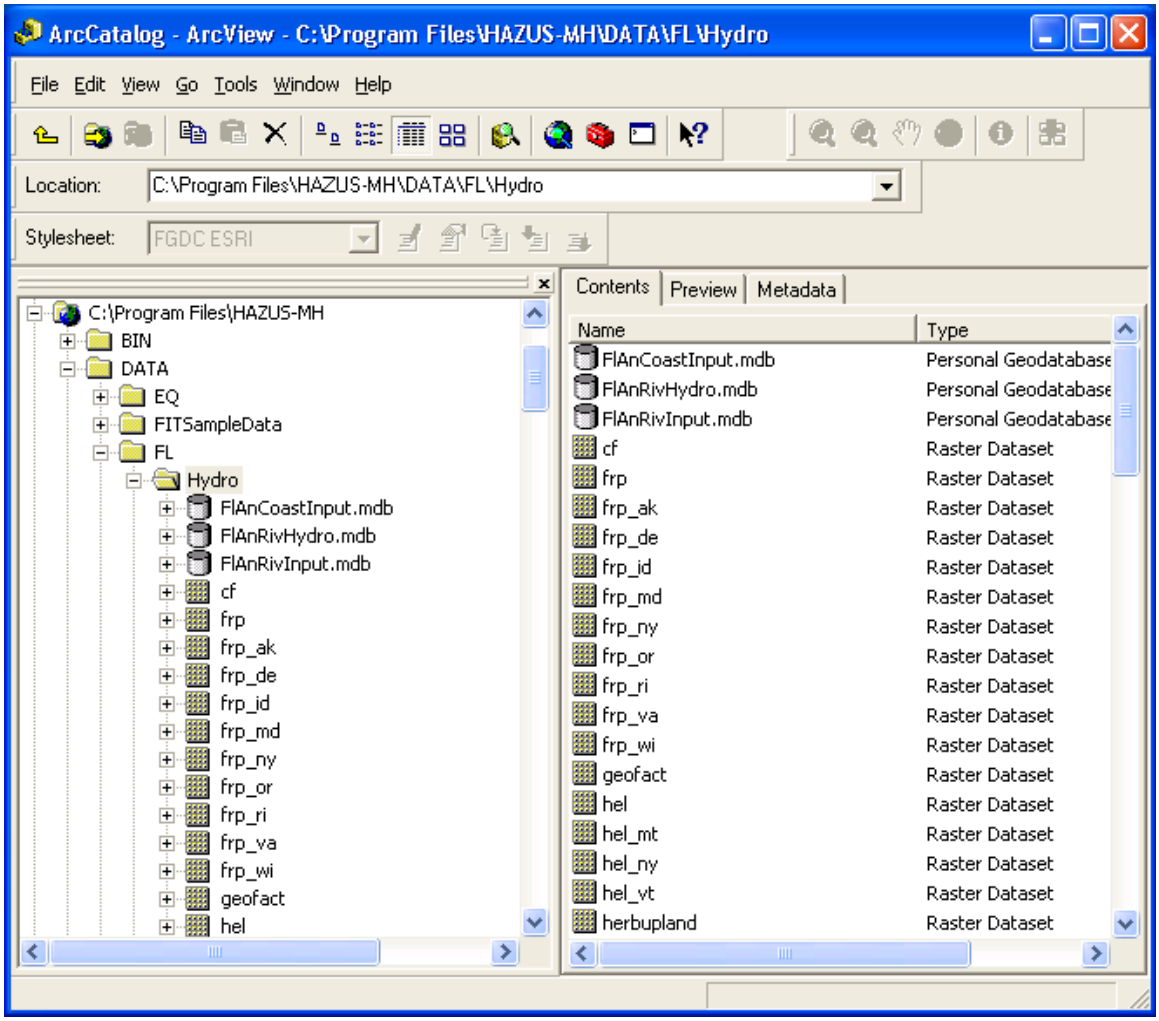

Figure 3-62 Raster Data Sets

Table 3-14 Raster Datasets

Data name	State	Description
CF	TN	2-yr recurrence-interval climate factor (unit less)
FRP	AK, DE, ID, MD, NY, OR, RI, VA	Forest cover (Cell values o or 100)
FRP	WI	Forest cover (Cell values range from 0 to 100)
HEL	MT	High elevation index (Total basin area above 6000 feet)

Data name	State	Description
HEL	NY, VT	High elevation index (Total basin area above 1200 feet)
HERBUPLAND	UT	Herbaceous upland
I10024	CO, CT, MI	100-year, 24-hour precipitation (inches)
I1024	CT, NM	10-year, 24-hour precipitation (inches)
I224	CT, HI, MD, NE, NH, OR, SD	2-year, 24-hour precipitation (inches)
I2524	CT, NM, WI	25-year, 24-hour precipitation (inches)
I5024	CT	50-year, 24-hour precipitation (inches)
IMPERV	DE	Impervious area (percent)
JANTEMP	AK, OR	Mean minimum January temperature (degrees Fahrenheit)
MARTEMP	NE	Normal daily maximum March temperature (degrees Fahrenheit)
MEANANNEVAP	AZ	Mean annual evaporation (inches)
MEANANNPREC	AK, AZ, CA, CO, HI, ID, KS, LA, MT, NE, NV, NY, OK, OR, PR, UT, WA	Mean annual precipitation (inches)
MEANANNRUNOFF	MN, NY	Mean annual runoff (inches)
MEANJANPREC	WY	Mean January precipitation (inches)
MEANMARPREC	WY	Mean March precipitation (inches)
RCN	MD	Runoff curve number
SNOW	NY	Seasonal maximum snow depth, 50th percentile (in)
SNOW	WI	Mean annual snowfall for 1961 through 1990 (in)
SOILA	DE	Soil type A
SOILD		Soil type D
SOILINDEX	WY	Soil Index
STORNHD	DE	Storage from NHD
U	IN, PA	Urbanized areas
W	IL, IN, ME, OH, PA	Water and wetlands

3.1.1.4.2 Study Region and Hazard Scenario Data

Table 3-15 Folders

Data Name	Description
Coastal	The root of the Coastal hazard directory tree structure.
Riverine	The root of the Riverine hazard directory tree structure.

Table 3-16 Arcmap Documents

Data Name	Description
HazusFl.mxd	The FL model ArcMAP document

Table 3-17 Word Documents

Data Name	Description
flDayVehicleInv_md.doc	Metadata on the Daytime vehicle inventory
flDepExposureContentOccupB_md.doc	Depreciated Exposure Contents Metadata
flDepExposureOccupB_md.doc	Depreciated Exposure Structure Metadata
flDepFunction_md.doc	Depreciated Exposure Functions Metadata
flNightVehicleInv_md.doc	Night time Vehicles Inventory Metadata
flVehicles_md.doc	Vehicles Inventory Metadata
hzAirportFlty_md.doc	Airport Facility Metadata
hzBldgCountOccupB_md.doc	Building Count by Block Metadata
hzBldgCountOccupT_md.doc	Building Count by Tract Metadata
hzBusFlty_md.doc	Bus Facility Metadata
hzCareFlty_md.doc	Health Care Facility Metadata
hzCensusBlock_md.doc	Census Block Metadata
hzCommunicationFlty_md.doc	Communication Facility Metadata
hzCounty_md.doc	County Metadata
hzDams_md.doc	Dams Metadata
hzDemographicsB_md.doc	Demographics by Block Metadata
hzDemographicsT_md.doc	Demographics by Tract Metadata
hzElectricPowerFlty_md.doc	Electric Power Facility Metadata
hzEmergencyCtr_md.doc	Emergency Operation Center Metadata
hzExposureContentOccupB_md.doc	Exposure Content by Block Metadata
hzExposureContentOccupT_md.doc	Exposure Content by Tract Metadata
hzExposureOccupB_md.doc	Exposure Structure by Block Metadata
hzExposureOccupT_md.doc	Exposure Structure by Tract Metadata
hzFerryFlty_md.doc	Ferry Metadata
hzFireStation_md.doc	Fire Station Metadata
hzHazmat_md.doc	Hazardous Materials Metadata
hzHighwayBridge_md.doc	Highway Bridge Metadata
hzHighwaySegment_md.doc	Highway Segment Metadata
hzHighwayTunnel_md.doc	Highway Tunnel Metadata
hzLevees_md.doc	Levee Metadata
hzLightRailBridge_md.doc	Light Rail Bridge Metadata
hzLightRailFlty_md.doc	Light Rail Facility Metadata
hzLightRailSegment_md.doc	Light Rail Segment Metadata
hzLightRailTunnel_md.doc	Light Rail Tunnel Metadata
hzMeansConstructSchemes_md.doc	R.S. Means Construction Schemes Metadata
hzMeansLocationFactor_md.doc	R.S. Means Location Factor Metadata
hzMilitary_md.doc	Military Metadata
hzNaturalGasFlty_md.doc	Natural Gas Facility Metadata
hzNaturalGasPl_md.doc	Natural Gas Plant Metadata
hzNuclearFlty_md.doc	Nuclear Facility Metadata
hzOilFlty_md.doc	Oil Facility Metadata
hzOilPl_md.doc	Oil Plant Metadata

Data Name	Description
hzPoliceStation_md.doc	Police Station Metadata
hzPortFlty_md.doc	Port Metadata
hzPotableWaterFlty_md.doc	Potable Water Facility Metadata
hzPotableWaterPl_md.doc	Potable Water Plant Metadata
hzRailwayBridge_md.doc	Railway Bridge Metadata
hzRailwayFlty_md.doc	Railway Facility Metadata
hzRailwaySegment_md.doc	Railway Segment Metadata
hzRailwayTunnel_md.doc	Railway Tunnel Metadata
hzReplacementCost_md.doc	Replacement Metadata
hzRunway_md.doc	Runway Metadata
hzSchool_md.doc	School Metadata
hzSqFootageOccupB_md.doc	Square Footage by Block Metadata
hzSqFootageOccupT_md.doc	Square Footage by Tract Metadata
hzTract_md.doc	Census Tract Metadata
hzWasteWaterFlty_md.doc	Waste Water Facility Metadata
hzWasteWaterPl_md.doc	Waste Water Plants Metadata
MDB_md.doc	MDB Metadata
SDD_CA_OC_data.mdf	SQL Server Microsoft Database File (MDF). This is the FSO representation of the SR RDBMS. Usually accompanied by a Transaction Log file (LDF).

Table 3-18 Log Files

Name	Description
AggregationLog.txt	Aggregation Log produced by the HAZUS Shell
DTSLog.txt	Common data DTS Log
flDtsLog.txt	FL data DTS Log
FlHazardLog.txt	FL Hazard Log
FlAnalysisLog.txt	FL Analysis Log
FlHydraulicsLog.txt	FL Hydraulics process Log

Table 3-19 Feature Classes

Name	Personal Geodatabase	Description
FloodView	3rdParty.mdb	3rd party feature class
FloodViewClip	3rdParty.mdb	3rd party feature class
MarPlot	3rdParty.mdb	3rd party feature class
MarPlotClip	3rdParty.mdb	3rd party feature class
hzCareFlty	EF.mdb	Care facilties
hzEmergencyCtr	EF.mdb	Emergency centres
hzFireStation	EF.mdb	Fire stations
hzPoliceStation	EF.mdb	Police stations
hzSchool	EF.mdb	Schools
flAgMap	flag.mdb	Agriculture polygons for the entire state

Name	Personal Geodatabase	Description
FlAgMapCA	flag.mdb	Agriculture polygons for the study region
hzDams	HPLF.mdb	Dams
hzHazmat	HPLF.mdb	Hazardous materials
hzLevees	HPLF.mdb	Levees
hzMilitary	HPLF.mdb	Military
hzNuclearFlty	HPLF.mdb	Nuclear facilities
Srdamind	Inundation.mdb	Hurricane table
Srlevind	Inundation.mdb	Hurricane table
Srseiind	Inundation.mdb	Hurricane table
Srtsuind	Inundation.mdb	Hurricane table
EqGrid	RegionBndry	Earthquake table
eqsrLnd	RegionBndry	Earthquake table
eqsrLqf	RegionBndry	Earthquake table
Eqsrsoil	RegionBndry	Earthquake table
Eqsrwdepth	RegionBndry	Earthquake table
eqTract	RegionBndry	Earthquake table
Hzboundary	RegionBndry	Boundary
hzCensusBlock	RegionBndry	Census blocks boundary
hzCounty	RegionBndry	County boundary
hzSrBuffer	RegionBndry	Study region buffer
hzState	RegionBndry	State boundary
hzTract	RegionBndry	Tract boundary
eqHighwaySegmentHft	TRN.mdb	Earthquake table
eqLightRailSegmentHft	TRN.mdb	Earthquake table
eqRailwaySegmentHft	TRN.mdb	Earthquake table
hzAirportFlty	TRN.mdb	Airport facilities
hzBusFlty	TRN.mdb	Bus facilities
hzFerryFlty	TRN.mdb	Ferry facilities
hzHighwayBridge	TRN.mdb	Highway bridges
hzHighwaySegment	TRN.mdb	Highway segments
hzHighwayTunnel	TRN.mdb	Highway tunnels
hzLightRailBridge	TRN.mdb	Light rail bridges
hzLightRailFlty	TRN.mdb	Light rail facilities
hzLightRailSegment	TRN.mdb	Light rail segments
hzLightRailTunnel	TRN.mdb	Light rail tunnels
hzPortFlty	TRN.mdb	Port facilities
hzRailFlty	TRN.mdb	Rail facilities
hzRailwayBridge	TRN.mdb	Railway bridges
hzRailwaySegment	TRN.mdb	Railway segments
hzRailwayTunnel	TRN.mdb	Railway tunnels
hzRunway	TRN.mdb	Runways
eqAebm	UDS.mdb	Earthquake table
hzUserDefinedFlty	UDS.mdb	User defined facilities
eqNaturalGasPlHft	UTIL.mdb	Earthquake table
eqOilPlHft	UTIL.mdb	Earthquake table
eqPotableWaterPlHft	UTIL.mdb	Earthquake table
eqWasteWaterPlHft	UTIL.mdb	Earthquake table
hzCommunicationFlty	UTIL.mdb	Communication facilities

Name	Personal Geodatabase	Description
hzElectricPowerFlty	UTIL.mdb	Electric power facilities
hzNaturalGasFlty	UTIL.mdb	Natural gas facilities
hzNaturalGasPl	UTIL.mdb	Natural gas pipelines
hzOilFlty	UTIL.mdb	Oil facilities
hzOilPl	UTIL.mdb	Oil pipelines
hzPotableWaterFlty	UTIL.mdb	Potable water facilities
hzPotableWaterPl	UTIL.mdb	Potable water pipelines
hzWasteWaterFlty	UTIL.mdb	Waste water facilities
hzWasteWaterPl	UTIL.mdb	Waste water pipelines

Table 3-20 Other

Name	File type	Description
StudyregionName_data.mdf	Mdf	SQL server database file
StudyRegionName_log.ldf	Ldf	SQL server database log file

3.1.1.5 Data Layer Libraries Design Description

The HAZUS FL model development team has designed two Data Access (DA) layer libraries. described in 3.1.1.5.1Core Data (hzFIDaCore) Library and 3.1.1.5.2 Data Transformation Services (hzFIDts) Library.

3.1.1.5.1 Core Data (hzFlDaCore) Library

hzfldacore::**ChzFlDataManager**
-m_Command -m_ConflictRecordset -m_Connection -m_Recordset
+ChzFlDataManager() +~ChzFlDataManager() +_Cache(inout p0 : void*, in p1 : _GUIDconst &, inout p2 : void* *, in p3 : unsigned long) +_GetEntries() +_GetRawUnknown() +_InternalQueryInterface(in p0 : _GUIDconst &, inout p1 : void* *) +AddRef() +CloseConnection() +ExecuteSP(inout SPName : unsigned short*, in ParamArray : tagVARIANT, inout Result : tagVARIANT*) +ExecuteSpNoParmNoRet(inout SPName : unsigned short*) +ExecuteSQL(inout SQL : unsigned short*, inout Result : tagVARIANT*) +ExecuteSQLReturnDelimited(inout SQL : unsigned short*, inout Delimiter : unsigned short*, inout Result : tagVARIANT*) +get_ConflictRecordset(inout pVal : tagVARIANT*) +get_Connection(inout pVal : tagVARIANT*) +get_Recordset(inout pVal : tagVARIANT*) +GetCountyFipsList(inout Result : tagVARIANT*) +GetUnknown() +InterfaceSupportsErrorInfo(in riid : _GUIDconst &) +InternalFinalConstructAddRef() +InternalFinalConstructRelease() #MakeConflictRecordSet() +OpenConnection(inout DSN : unsigned short*, inout UserID : unsigned short*, inout Password : unsigned short*) +OpenStudyRegion() +put_Connection(in newVal : tagVARIANT) +put_Recordset(in newVal : tagVARIANT) +QueryInterface(in p0 : _GUIDconst &, inout p1 : void* *) +Release() #setError(inout e : _com_error&) +UpdateBatch(in UpdatedRecordSet : tagVARIANT) +UpdateRegistry(in p0 : int)

Figure 3-63 hzFlDaCore::ChzFlDataManager

hzfldacore::**ChzflControlItem**
#m_Argument #m_Caption #m_EnableRuleId #m_Group #m_Guid #m_MenuAction #m_MenuId #m_ParentMenuId #m_Position #m_StatusMessage #m_SubType
+ChzflControlItem() +_Cache(inout p0 : void*, in p1 : _GUIDconst &, inout p2 : void* *, in p3 : unsigned long) +_GetEntries() +_GetRawUnknown() +_InternalQueryInterface(in p0 : _GUIDconst &, inout p1 : void* *) +AddRef() +get_Argument(inout pVal : unsigned short* *) +get_Caption(inout pVal : unsigned short* *) +get_EnableRuleId(inout pVal : long*) +get_EnableRuleNId(inout pVal : __int64*) +get_Group(inout pVal : unsigned short* *) +get_Guid(inout pVal : unsigned short* *) +get_MenuAction(inout pVal : long*) +get_MenuId(inout pVal : long*) +get_ParentMenuId(inout pVal : long*) +get_Position(inout pVal : long*) +get_StatusMessage(inout pVal : unsigned short* *) +GetUnknown() +InternalFinalConstructAddRef() +InternalFinalConstructRelease() +put_Argument(inout newVal : unsigned short*) +put_Caption(inout newVal : unsigned short*) +put_EnableRuleId(in newVal : long) +put_EnableRuleNId(in newVal : __int64) +put_Group(inout newVal : unsigned short*) +put_Guid(inout newVal : unsigned short*) +put_MenuAction(in newVal : long) +put_MenuId(in newVal : long) +put_ParentMenuId(in newVal : long) +put_Position(in newVal : long) +put_StatusMessage(inout newVal : unsigned short*) +QueryInterface(in p0 : _GUIDconst &, inout p1 : void* *) +Release() +UpdateRegistry(in p0 : int)

Figure 3-64 hzFlDaCore::ChzflControlItem

hzfldacore::**ChzflControlItems**
#m_ConnectionString #m_ItemList #m_ItemListDisp #m_pConnection
+ChzflControlItems() +_Cache(inout p0 : void*, in p1 : _GUIDconst &, inout p2 : void* *, in p3 : unsigned long) +_GetEntries() +_GetRawUnknown() +_InternalQueryInterface(in p0 : _GUIDconst &, inout p1 : void* *) +AddRef() +get__NewEnum(inout retval : IUnknown* *) +get_Count(inout retval : long*) +get_Item(in Index : long, inout retval : tagVARIANT*) +GetEnum(inout ppEnumItems : IEnumControlItems* *) +GetUnknown() +InterfaceSupportsErrorInfo(in riid : _GUIDconst &) +InternalFinalConstructAddRef() +InternalFinalConstructRelease() +LoadItems() +QueryInterface(in p0 : _GUIDconst &, inout p1 : void* *) +Release() +UpdateRegistry(in p0 : int) +VBTest()

Figure 3-65 hzFlDaCore::ChzflControlItems

hzfldacore::**ChzFlLayoutItem**
#m_Control #m_LayoutName #m_Property #m_Value
+ChzFlLayoutItem() +_Cache(inout p0 : void*, in p1 : _GUIDconst &, inout p2 : void* *, in p3 : unsigned long) +_GetEntries() +_GetRawUnknown() +_InternalQueryInterface(in p0 : _GUIDconst &, inout p1 : void* *) +AddRef() +get_Control(inout pVal : unsigned short* *) +get_LayoutName(inout pVal : unsigned short* *) +get_Property(inout pVal : unsigned short* *) +get_Value(inout pVal : unsigned short* *) +GetUnknown() +InternalFinalConstructAddRef() +InternalFinalConstructRelease() +put_Control(inout newVal : unsigned short*) +put_LayoutName(inout newVal : unsigned short*) +put_Property(inout newVal : unsigned short*) +put_Value(inout newVal : unsigned short*) +QueryInterface(in p0 : _GUIDconst &, inout p1 : void* *) +Release() +UpdateRegistry(in p0 : int)

Figure 3-66 hzFlDaCore::ChzFlLayoutItem

hzfldacore::**ChzFlLayoutItems**
#m_BaseList #m_ConnectionString #m_ItemList #m_ItemListDisp #m_LayoutName #m_pConnection
+ChzFlLayoutItems() +_Cache(inout p0 : void*, in p1 : _GUIDconst &, inout p2 : void* *, in p3 : unsigned long) +_GetEntries() +_GetRawUnknown() +_InternalQueryInterface(in p0 : _GUIDconst &, inout p1 : void* *) +AddRef() +get__NewEnum(inout retval : IUnknown* *) +get_Count(inout retval : long*) +get_Item(in Index : long, inout retval : tagVARIANT*) +GetEnum(inout ppEnumLayoutItems : IEnumLayoutItems* *) +GetUnknown() +InterfaceSupportsErrorInfo(in riid : _GUIDconst &) +InternalFinalConstructAddRef() +InternalFinalConstructRelease() +LoadLayout(inout pLayoutName : unsigned short*) +LoadReport(inout pReportName : unsigned short*) +LoadReportNames() +QueryInterface(in p0 : _GUIDconst &, inout p1 : void* *) #QueryTableFromSql(in tableName : _bstr_t) +Release() #SetupLayoutSqlString(in tableName : _bstr_t, in layoutName : _bstr_t, in whereClauseName : _bstr_t, inout mySql : _bstr_t&) +UpdateRegistry(in p0 : int) +VBTest()

Figure 3-67 hzFlDaCore::ChzFlLayoutItems

hzfldacore::**ChzFlStudyRegionTractList**
#m_ConnectionString #m_pConnection
+ChzFlStudyRegionTractList() +_Cache(inout p0 : void*, in p1 : _GUIDconst &, inout p2 : void* *, in p3 : unsigned long) +_GetEntries() +_GetRawUnknown() +_InternalQueryInterface(in p0 : _GUIDconst &, inout p1 : void* *) +AddRef() +get_StudyRegionDescription(inout StudyRegionName : unsigned short*, inout pDescription : unsigned short* *) +get_TractListWhereClause(inout pVal : unsigned short* *) +GetUnknown() +InterfaceSupportsErrorInfo(in riid : _GUIDconst &) +InternalFinalConstructAddRef() +InternalFinalConstructRelease() +QueryInterface(in p0 : _GUIDconst &, inout p1 : void* *) +Release() +UpdateRegistry(in p0 : int)

Figure 3-68 hzFlDaCore::ChzFlStudyRegionTractList

ChzFlRegistry
+GetAppName(inout AppName : _bstr_t*) +GetAutoRmPR() +GetCustomRegionBuffer(inout buff : _bstr_t*) +GetDataPath1(inout Path : _bstr_t*) +GetDataPath2(inout Path : _bstr_t*) +GetDemoDataDir(inout Path : _bstr_t*) +GetDtsPackageString(inout PkgString : _bstr_t*) +GetDtsRecursionFlag() #GetFlAppName(inout appName : _bstr_t*) +GetFloodPathBin(inout Path : _bstr_t*) +GetFloodPathData(inout Path : _bstr_t*) +GetInstallPath(inout Path : _bstr_t*) +GetProvider(inout Provider : _bstr_t&) +GetPwd(inout Pwd : _bstr_t&) +GetServerName(inout Servername : _bstr_t&) +GetSrGeoDbAdoConnectionString(inout AdoConStr : _bstr_t&) +GetSRInstallPath(inout Path : _bstr_t*) +GetStudyCaseLast(inout ScName : _bstr_t*) +GetStudyRegionAdoConnectionString(inout AdoConStr : _bstr_t&) +GetStudyRegionDescription(inout SrDescr : _bstr_t*) +GetStudyRegionLast(inout SrName : _bstr_t*) +GetStudyRegionName(inout SrName : _bstr_t*) +GetStudyRegionPath(inout SrPath : _bstr_t*) +GetSysAdoConnectionString(inout AdoConStr : _bstr_t&) +GetSysCatalog(inout Catalog : _bstr_t&) +GetTemplateName(inout Name : _bstr_t*) +GetUid(inout Uid : _bstr_t&) +GetVersion(inout Version : _bstr_t*) +IncludeQuickLook() +IsDebugGBSMode() +IsDebugMode() +IsDemoAccess() +IsEqAALRun() +IsFlAALRun() +IsForceAWOn() +IsHuAALRun() +LeaveIntermediate() +ManufactureAdoConnectionString(in Catalog : _bstr_t, inout ConnStr : _bstr_t&) +ManufactureStudyRegionAdoConnectionString() +PutStudyCaseLast(in ScName : _bstr_t) +PutStudyRegionDescription(in SrDescr : _bstr_t) +PutStudyRegionLast(in SrName : _bstr_t) #ReadRegHkLmHzByKey(in bstrKey : _bstr_t, in ValueName : _bstr_t, inout KeyValue : _bstr_t*) #ReadRegHkLmHzFlood(in ValueName : _bstr_t, inout KeyValue : _bstr_t*) #ReadRegHkLmHzGeneral(in ValueName : _bstr_t, inout KeyValue : _bstr_t*) #regkeyHazus() #regkeyHzFlood() #regkeyHzGeneral() +SetAutoRmPR(in autoRmPR : bool) +SetCustomRegionBuffer(in buff : _bstr_t) +SetDtsRecursionFlag(in flag : bool) +SetEqAALRun(in was_EqAALRun_previously_run : bool) +SetFlAALRun(in was_FlAALRun_previously_run : bool) +SetHuAALRun(in was_HuAALRun_previously_run : bool) +UseDemoDsn() #WriteRegHkLmHzByKey(in bstrKey : _bstr_t, in ValueName : _bstr_t, in KeyValue : _bstr_t)

Figure 3-69 ChzFlRegistry

CErrorManager
+m_bstrDescription +m_bstrSource +m_hr +m_iid +m_pErrInfo
+CErrorManager(in p0 : _com_errorconst &) +CErrorManager(inout p0 : IErrorInfo*, in p1 : long) +CErrorManager(inout p0 : IUnknown*, in p1 : _GUIDconst &, in p2 : long, in p3 : charconst *) +CErrorManager() +ComError() +Display(in p0 : charconst *, in p1 : int) +ForwardError(inout p0 : IUnknown*, in p1 : _GUIDconst &, inout p2 : char*, in p3 : long) +GetDescription(inout p0 : unsigned short* *) +GetDescriptionFromHRESULT(inout p0 : unsigned short* *) +GetError() +GetErrorInfo() +GetGUID(inout p0 : _GUID*) +GetProgID(inout p0 : unsigned short* *) +GetSource(inout p0 : unsigned short* *) +SupportsErrorInfo(inout p0 : IUnknown*, in p1 : _GUIDconst &)

Figure 3-70 CErrorManager

3.1.1.5.2 Data Transformation Services (hzFlDts) Library

ChzFlDtsService
#m_CreatingSR #m_DataPath1 #m_DataPath2 #m_DoSingle #m_DsnStudyRegion #m_FloodDataPath #m_ipPackage #m_LogFileName #m_PackageList #m_PackageListErr #m_SeamlessDTS #m_ServerName #m_SingleName #m_stateFolderName #m_StudyRegionName
+ChzFlDtsService() +~ChzFlDtsService() +_Cache(inout p0 : void*, in p1 : _GUIDconst &, inout p2 : void* *, in p3 : unsigned long) +_GetEntries() +_GetRawUnknown() +_InternalQueryInterface(in p0 : _GUIDconst &, inout p1 : void* *) +AddRef() +BeginDTSPackage(inout stateFolderName : unsigned short*) +BeginDTSPackageSingle(inout stateFolderName : unsigned short*, inout packageName : unsigned short*) +CreateStudyRegionMxd() +GetUnknown() +ImportMR2ToMR3(inout path2SRName : unsigned short*) +InternalFinalConstructAddRef() +InternalFinalConstructRelease() #LogFileMessageForDTS(in msg : _bstr_t) +QueryInterface(in p0 : _GUIDconst &, inout p1 : void* *) +Release() #ReleasePackageConnections() #RetryStepOK(in pkgName : _bstr_t, in ipStep : _com_ptr_t<_com_IIID<Step,&__s_GUID _GUID_10020305_eb1c_11cf_ae6e_00aa004a34d5> >) #RunPackage(in pkgPath : _bstr_t, in pkgName : _bstr_t) #RunPackageList(in pkgPath : _bstr_t, in pkgList : _bstr_t) #RunStep(in pkgName : _bstr_t, in ipStep : _com_ptr_t<_com_IIID<Step,&__s_GUID _GUID_10020305_eb1c_11cf_ae6e_00aa004a34d5> >) #SetPackageConnections() #SetPackageSteps(in pkgName : _bstr_t) #SetPackageTasks() +SetTestRecursion(in flag : short) +UpdateRegistry(in p0 : int)

Figure 3-71 hzFlDts::ChzFlDtsService

3.1.2 Application Layer Design Description

The Application Layer is divided into two parts Workflow, Hazard and Analysis libraries.

The Workflow Libraries are described in 3.1.2.1.1 Workflow (hzFIAnWorkFlow) Library, 3.1.2.1.2 Workflow Helper (hzFIAnWFHelper) Library, 3.1.2.1.3 Math (hzFIAnMathLib) Library, 3.1.2.1.4 Event Log Messages (hzFIAnMessages) Library, 3.1.2.1.5 Study Case Manager (hzFIAnStudyCaseMgr) Library, 3.1.2.1.6 Scenario (hzFIAnScenario) Library, 3.1.2.1.7 Add Depth Grid to Map (hzFIAnAddGridtoMap) Library, 3.1.2.1.8 Agriculture Aggregation (hzFIAnAgriImport) Library, and 3.1.2.1.9 Add Agriculture to Map (hzFIAnAgriTheme) Library.

The Hazard Libraries are described in 3.1.2.2.1 Stream Network (hzFIAnNetwork) Library, 3.1.2.2.2 Hydrology (hzFIAnHydrology) Library, 3.1.2.2.3.1 Hydraulic Wrapper (hzFlAnHydraulics) Library, 3.1.2.2.3.2 CoreOfHydraulics, 3.1.2.2.4 Coastal (hzFIAnCoastal) Library, 3.1.2.2.5 Agriculture (hzFIAnAgriDmg) Library, and 3.1.2.2.6 Flood Information Tool (FIT) Library.

The Analysis Libraries are described in 3.1.2.3.1 Area-Weighted Damage Analysis (hzFIAnDamageFn) Library, 3.1.2.3.2 Agriculture (hzFIAnAgriAnalysis) Library, 3.1.2.3.3 General Building Stock (hzFIAnStockDmg) Library, 3.1.2.3.4 Average Annual Loss (hzFIAnAnnualize) Library, 3.1.2.3.5 Essential Facilities (hzFIAnEFDmg) Library, 3.1.2.3.6 User-Defined Facilities (hzFIAnUDEFDmg) Library, 3.1.2.3.7 Debris (hzFIAnDebris) Library, 3.1.2.3.8 Shelter (hzFIAnShelter) Library, 3.1.2.3.9 Transportation (hzFIAnTransDmg) Library, 3.1.2.3.10 Utilities (hzFIAnUtilDmg) Library, 3.1.2.3.11 Vehicles (hzFIAnVehDmg) Library, and 3.1.2.3.12 Indirect Economic Loss Model (hzFIAnIELM) Library.

The above libraries are generalized into flowcharts or class diagrams, and are shown below.

3.1.2.1 Work Flow Libraries Design Description

The Workflow Libraries are deisgned after their name – to help the HAZUS FL model workflow, by encompassing generic processes, used throughout the model, primarily in the Hazard libraries.

3.1.2.1.1 Workflow (hzFIAnWorkFlow) Library

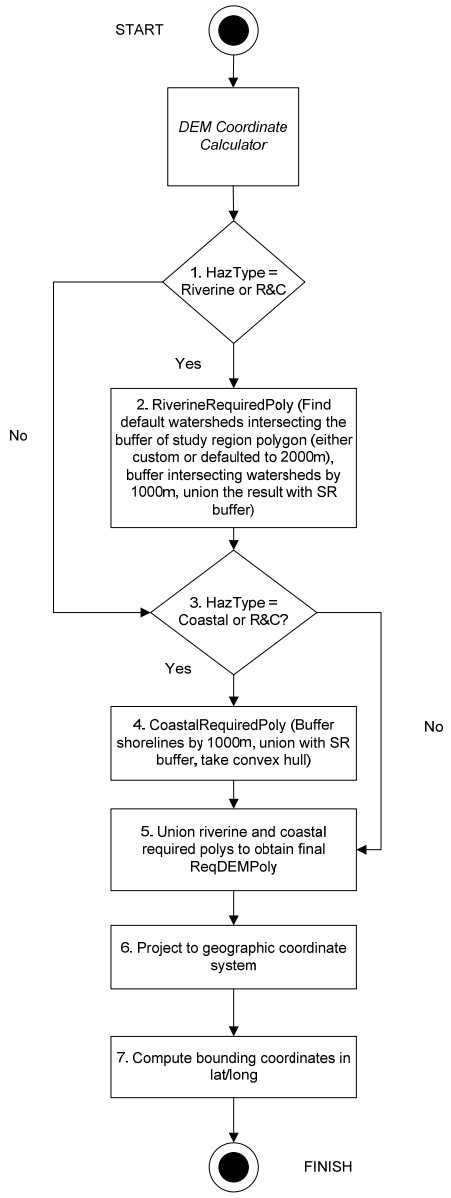

Figure 3-72 DEM Coordinate Calculator

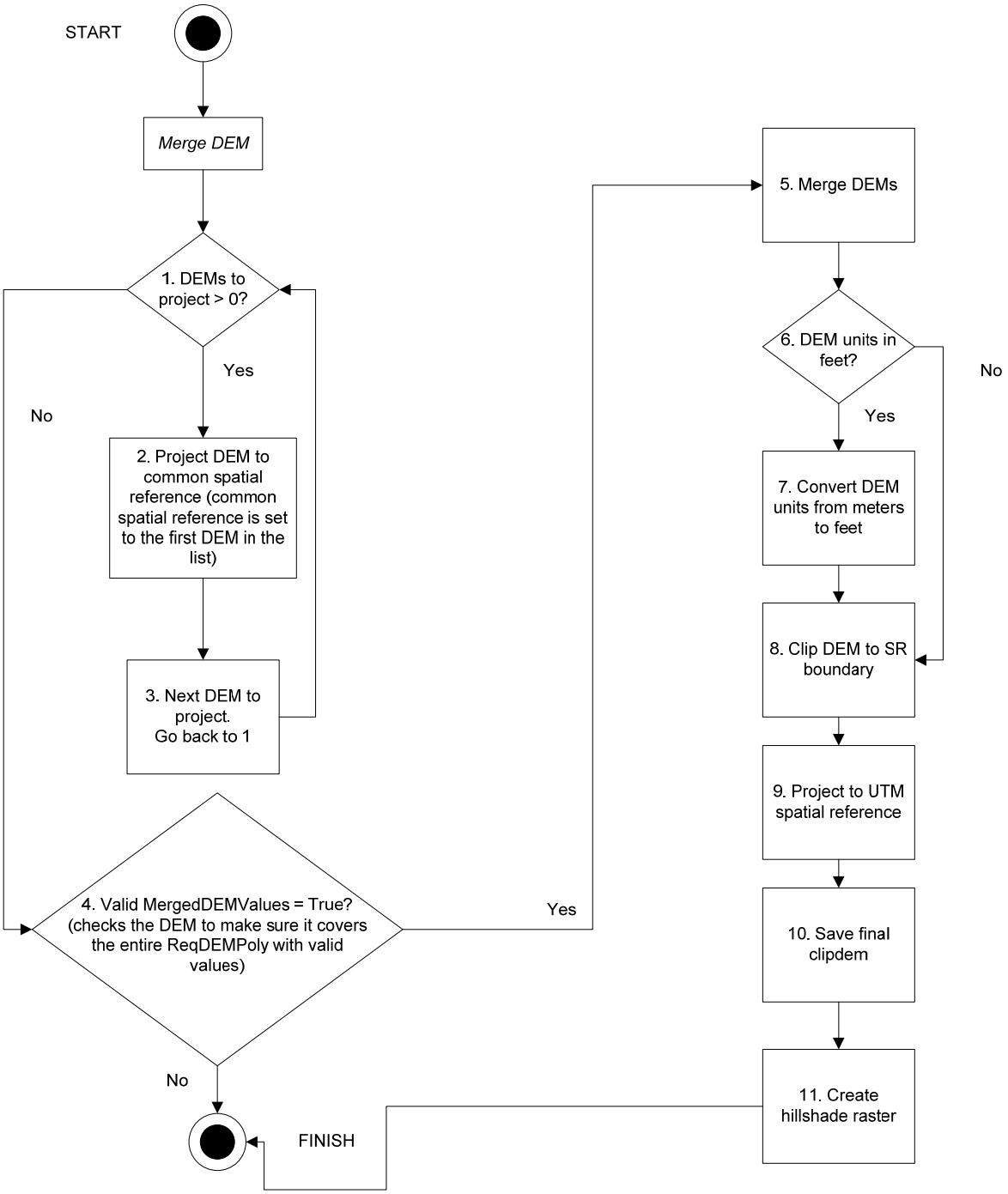

Figure 3-73 Work Flow

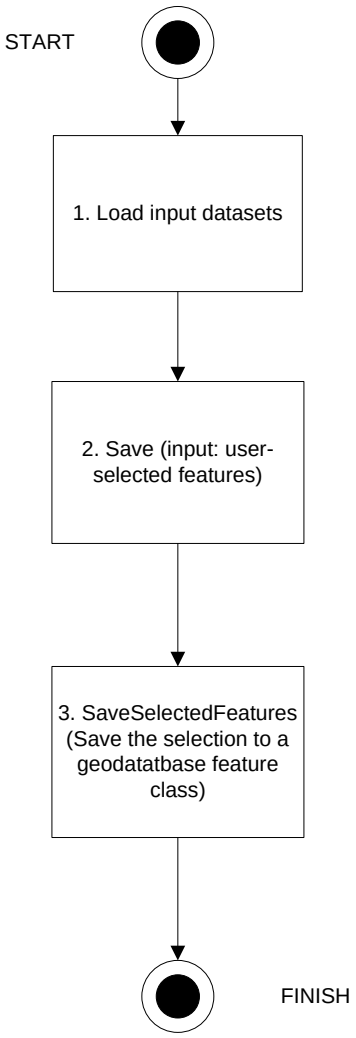

Figure 3-74 Scenario New

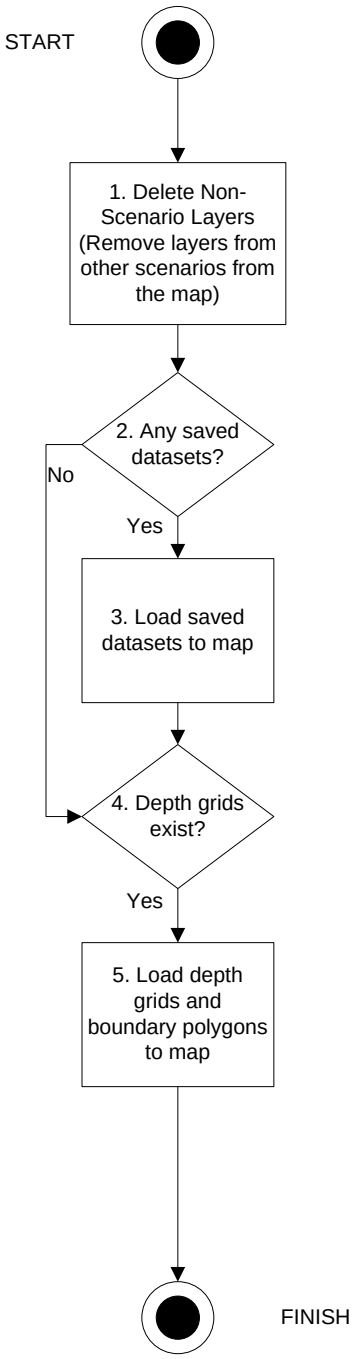

Figure 3-75 Scenario Open

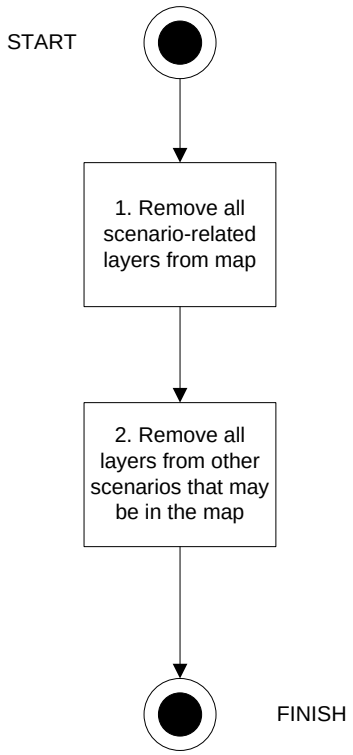

Figure 3-76 Scenario Close

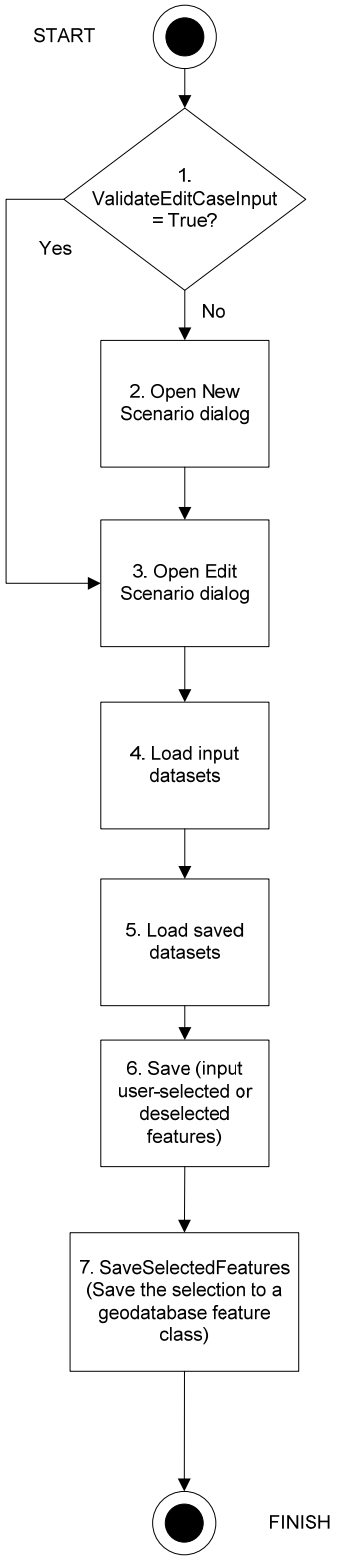

Figure 3-77 Scenario Edit

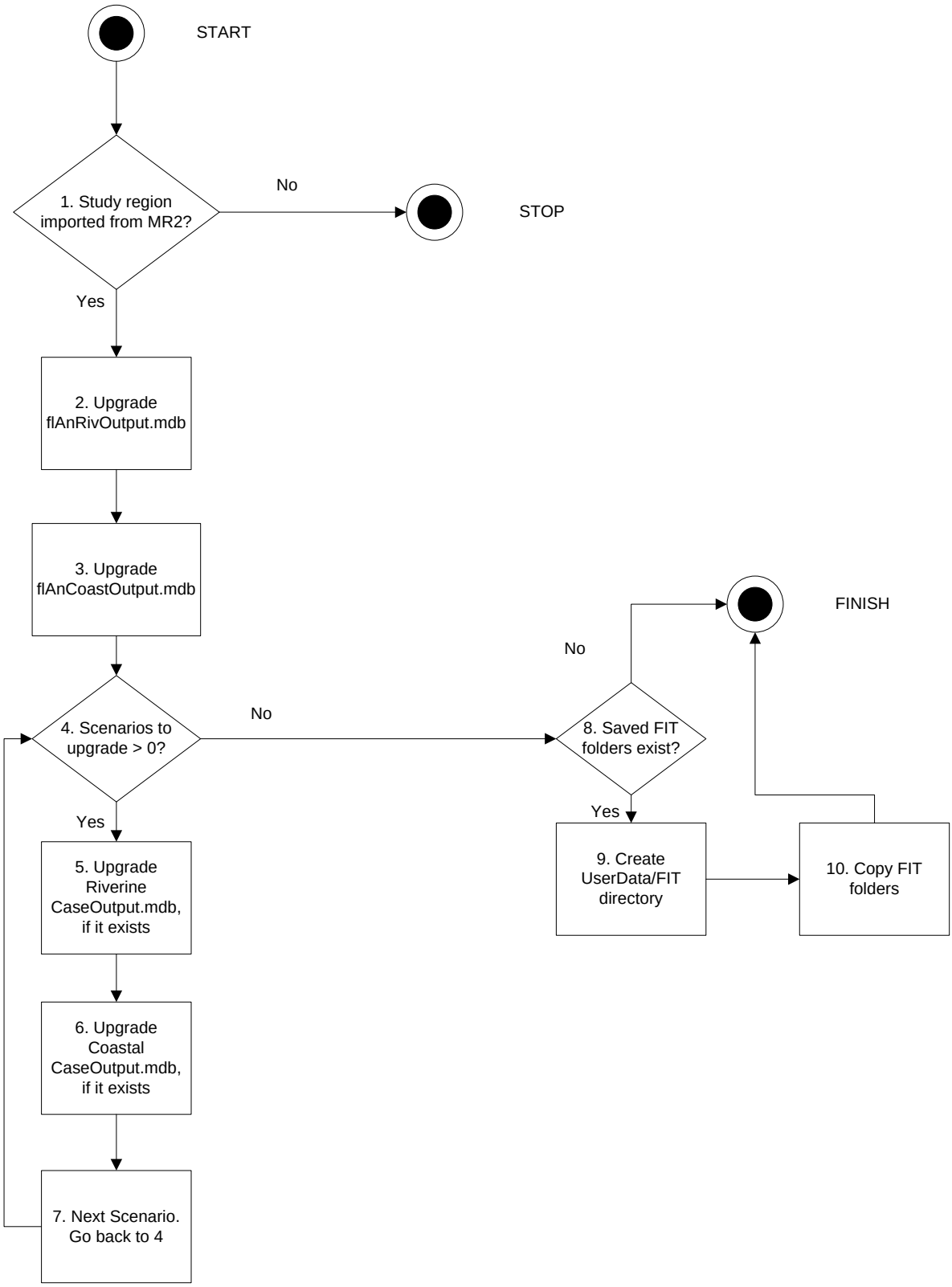

Figure 3-78 Study Region Upgrade

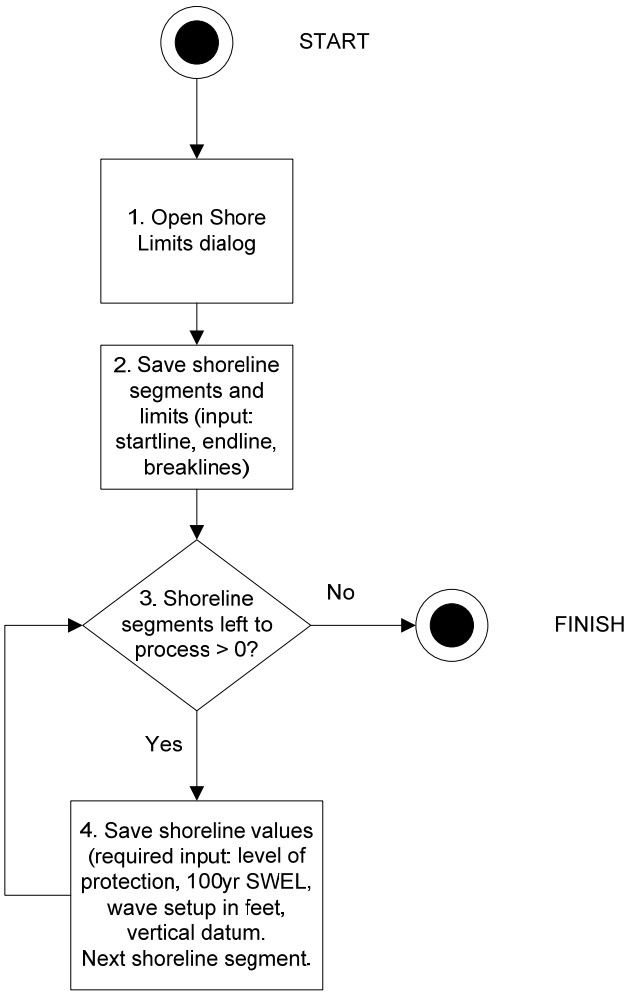

Figure 3-79 Shoreline Characterization

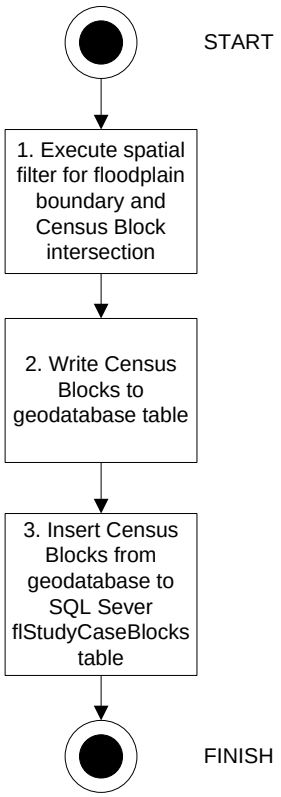

Figure 3-80 Flooded Blocks

3.1.2.1.2 Workflow Helper (hzFIAnWFHelper) Library

ChzFIFsoWrapper
#m_ipFso
+ChzFIFsoWrapper() +~ChzFIFsoWrapper() +CopyDir(in Source : _bstr_t, in Destination : _bstr_t) +CreateDir(in Folder : _bstr_t) +DeleteDir(in Folder : _bstr_t)

Figure 3-81 hzFIAnWFHelper::ChzFIFsoWrapper

flood::**ChzFlRegistry**
+GetAppName(inout AppName : _bstr_t*) +GetAutoRmPR() +GetCustomRegionBuffer(inout buff : _bstr_t*) +GetDataPath1(inout Path : _bstr_t*) +GetDataPath2(inout Path : _bstr_t*) +GetDemoDataDir(inout Path : _bstr_t*) +GetDtsPackageString(inout PkgString : _bstr_t*) +GetDtsRecursionFlag() #GetFlAppName(inout appName : _bstr_t*) +GetFloodPathBin(inout Path : _bstr_t*) +GetFloodPathData(inout Path : _bstr_t*) +GetInstallPath(inout Path : _bstr_t*) +GetProvider(inout Provider : _bstr_t&) +GetPwd(inout Pwd : _bstr_t&) +GetServerName(inout Servername : _bstr_t&) +GetSrGeoDbAdoConnectionString(inout AdoConStr : _bstr_t&) +GetSRInstallPath(inout Path : _bstr_t*) +GetStudyCaseLast(inout ScName : _bstr_t*) +GetStudyRegionAdoConnectionString(inout AdoConStr : _bstr_t&) +GetStudyRegionDescription(inout SrDescr : _bstr_t*) +GetStudyRegionLast(inout SrName : _bstr_t*) +GetStudyRegionName(inout SrName : _bstr_t*) +GetStudyRegionPath(inout SrPath : _bstr_t*) +GetSysAdoConnectionString(inout AdoConStr : _bstr_t&) +GetSysCatalog(inout Catalog : _bstr_t&) +GetTemplateName(inout Name : _bstr_t*) +GetUid(inout Uid : _bstr_t&) +GetVersion(inout Version : _bstr_t*) +IncludeQuickLook() +IsDebugGBSMode() +IsDebugMode() +IsDemoAccess() +IsEqAALRun() +IsFlAALRun() +IsForceAWOn() +IsHuAALRun() +LeaveIntermediate() +ManufactureAdoConnectionString(in Catalog : _bstr_t, inout ConnStr : _bstr_t&) +ManufactureStudyRegionAdoConnectionString() +PutStudyCaseLast(in ScName : _bstr_t) +PutStudyRegionDescription(in SrDescr : _bstr_t) +PutStudyRegionLast(in SrName : _bstr_t) #ReadRegHkLmHzByKey(in bstrKey : _bstr_t, in ValueName : _bstr_t, inout KeyValue : _bstr_t*) #ReadRegHkLmHzFlood(in ValueName : _bstr_t, inout KeyValue : _bstr_t*) #ReadRegHkLmHzGeneral(in ValueName : _bstr_t, inout KeyValue : _bstr_t*) #regkeyHazus() #regkeyHzFlood() #regkeyHzGeneral() +SetAutoRmPR(in autoRmPR : bool) +SetCustomRegionBuffer(in buff : _bstr_t) +SetDtsRecursionFlag(in flag : bool) +SetEqAALRun(in was_EqAALRun_previously_run : bool) +SetFlAALRun(in was_FlAALRun_previously_run : bool) +SetHuAALRun(in was_HuAALRun_previously_run : bool) +UseDemoDsn() #WriteRegHkLmHzByKey(in bstrKey : _bstr_t, in ValueName : _bstr_t, in KeyValue : _bstr_t)

Figure 3-82 ChzFlRegistry

```
ChzFlWfHelpers
#m_ConnectionString
#m_fso
#m_iphzFlDataManager
#m_pConnection
#m_pRsRegionVariables
#m_pRsStudyCaseVariables
#m_RecursiveFlag
#m_SQLchar
#m_StudyCaseId
#m_StudyCaseMap
#m_studyCaseVariables
#m_studyRegionVariables
#m_tempDescr
#m_tempName
+ChzFlWfHelpers()
+~ChzFlWfHelpers()
+_Cache(inout p0 : void*, in p1 : _GUIDconst &, inout p2 : void* *, in p3 : unsigned long)
+_GetEntries()
+_GetRawUnknown()
+_InternalQueryInterface(in p0 : _GUIDconst &, inout p1 : void* *)
+AddRef()
+AdoConnPwd(inout sString : unsigned short* *)
+AdoConnServerName(inout sString : unsigned short* *)
+AdoConnSysCatalog(inout sString : unsigned short* *)
+AdoConnUid(inout sString : unsigned short* *)
#DeleteStudyCase(in pStudyCaseId : long)
+FinalRelease()
+FloodPathBin(inout Path : unsigned short* *)
+FloodPathData(inout Path : unsigned short* *)
#FormulateSql(in studyCase : bool)
+get_AutoRmPR(inout pVal : short*)
+get_CustomBuffer(inout pValue : unsigned short* *)
+get_IncludeQuickLook(inout pVal : short*)
+get_IsDebugOn(inout pVal : short*)
+get_LeaveIntermediate(inout pVal : short*)
+get_StudyCaseCount(inout Count : long*)
+get_StudyCaseDescr(in StudyCaseId : long, inout Name : unsigned short* *)
+get_StudyCaseId(inout pStudyCaseId : long*)
+get_StudyCaseIdByName(inout StudyCaseName : unsigned short*, inout pStudyCaseId : long*)
+get_StudyCaseName(in StudyCaseId : long, inout Name : unsigned short* *)
+get_StudyCasePath(inout Path : unsigned short* *)
+get_StudyCaseVariable(inout Key : unsigned short*, inout pValue : unsigned short* *)
+get_StudyCaseVariableByIndex(in Index : long, inout pKey : unsigned short* *, inout pValue : unsigned short* *)
+get_StudyCaseVariableCount(inout pCount : long*)
+get_StudyRegionVariable(inout Key : unsigned short*, inout pValue : unsigned short* *)
+get_StudyRegionVariableByIndex(in Index : long, inout pKey : unsigned short* *, inout pValue : unsigned short* *)
+get_StudyRegionVariableCount(inout pCount : long*)
#GetStringField(in pRs : _com_ptr_t<_com_IIID<_Recordset,&__s_GUID _GUID_00000556_0000_0010_8000_00aa006d2ea4> >, in fieldName : _bstr_t)
#GetStudyCaseIdFromName(inout StudyCaseName : unsigned short*)
#GetStudyCases()
+GetStudyCaseTemp(inout StudyCaseName : unsigned short* *, inout Description : unsigned short* *)
#GetStudyCaseVariables()
#GetStudyRegionVariables()
+GetUnknown()
#GetVariable(in map : map, inout Key : unsigned short*, inout pValue : unsigned short* *)
+HAZUSVersion(inout Version : unsigned short* *)
+InstallPath(inout Path : unsigned short* *)
+InterfaceSupportsErrorInfo(in riid : _GUIDconst &)
+InternalFinalConstructAddRef()
+InternalFinalConstructRelease()
+IsNameUnique(inout StudyCaseName : unsigned short*, inout Unique : short*)
+LogErrorEventMessageForAnalysis(inout msg : unsigned short*)
+LogErrorEventMessageForFramework(inout msg : unsigned short*)
+LogInfoEventMessageForAnalysis(inout msg : unsigned short*)
+LogInfoEventMessageForFramework(inout msg : unsigned short*)
+put_AutoRmPR(in Val : short)
+put_CustomBuffer(inout Value : unsigned short*)
+put_StudyCaseVariable(inout Key : unsigned short*, inout Value : unsigned short*)
+put_StudyRegionVariable(inout Key : unsigned short*, inout Value : unsigned short*)
+PutStudyCaseTemp(inout StudyCaseName : unsigned short*, inout Description : unsigned short*)
#PutStudyCaseVariables()
#PutStudyRegionVariables()
+QueryInterface(in p0 : _GUIDconst &, inout p1 : void* *)
+Release()
+StudyCaseClose()
+StudyCaseDelete(in StudyCaseId : long)
+StudyCaseDeleteByName(inout StudyCaseName : unsigned short*)
+StudyCaseInfo(in Index : long, inout pStudyCaseId : long*, inout Name : unsigned short* *, inout Description : unsigned short* *)
+StudyCaseNew(inout StudyCaseName : unsigned short*, inout Description : unsigned short*, inout pStudyCaseId : long*)
+StudyCaseOpen(in StudyCaseId : long)
+StudyCaseOpenByName(inout StudyCaseName : unsigned short*)
+StudyCaseSaveAs(in StudyCaseId : long, inout StudyCaseName : unsigned short*, inout Description : unsigned short*, inout pStudyCaseId : long*)
+StudyCaseVariablesFlush()
+StudyRegionAdoConnectString(inout ConnString : unsigned short* *)
+StudyRegionDescr(inout Descr : unsigned short* *)
+StudyRegionName(inout Name : unsigned short* *)
+StudyRegionPath(inout Path : unsigned short* *)
+StudyRegionVariablesFlush()
+SysAdoConnectionString(inout ConnString : unsigned short* *)
+UpdateRegistry(in p0 : int)
```

Figure 3-83 hzFlAnWFHelper::ChzFlWfHelpers

3.1.2.1.3 Math (hzFIAnMathLib) Library

ChzFlLinReg
#m_Chi2 #m_Intercept #m_Q #m_SigA #m_SigB #m_Slope
+ChzFlLinReg() +_Cache(inout p0 : void*, in p1 : _GUIDconst &, inout p2 : void* *, in p3 : unsigned long) +_GetEntries() +_GetRawUnknown() +_InternalQueryInterface(in p0 : _GUIDconst &, inout p1 : void* *) +AddRef() +get_Chi2(inout pVal : double*) +get_Intercept(inout pVal : double*) +get_Q(inout pVal : double*) +get_SigmaA(inout pVal : double*) +get_SigmaB(inout pVal : double*) +get_Slope(inout pVal : double*) +GetUnknown() +InternalFinalConstructAddRef() +InternalFinalConstructRelease() +LeastSquaresFit(inout psaXArray : tagSAFEARRAY* *, inout psaYArray : tagSAFEARRAY* *) +QueryInterface(in p0 : _GUIDconst &, inout p1 : void* *) +Release() +UpdateRegistry(in p0 : int)

Figure 3-84 hzFIAnMathLib::ChzFlLinReg

3.1.2.1.4 Event Log Messages (hzFIAnMessages) Library

Regsiters the hzFlMessages.dll as the message dll for use of Event Viewer service. The follwing were added:

- HazusMh-Fl as a subkey under Application – HKLM\\SYSTEM\\CurrentControlSet\\Services\\EventLog\\Application\\HazusMh-Fl
- the types of events source can generate: EVENTLOG_ERROR_TYPE | EVENTLOG_WARNING_TYPE | EVENTLOG_INFORMATION_TYPE
- the number of categories described CategoryCount = 3

3.1.2.1.5 Study Case Manager (hzFIAnStudyCaseMgr) Library

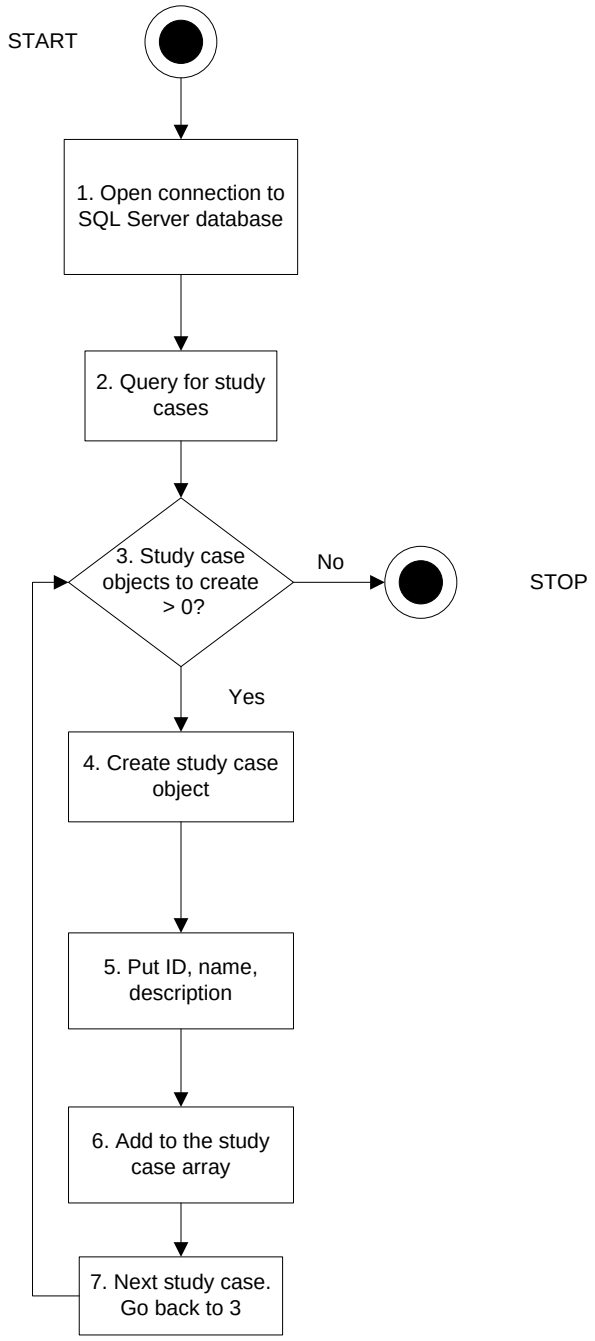

Figure 3-85 Load Items

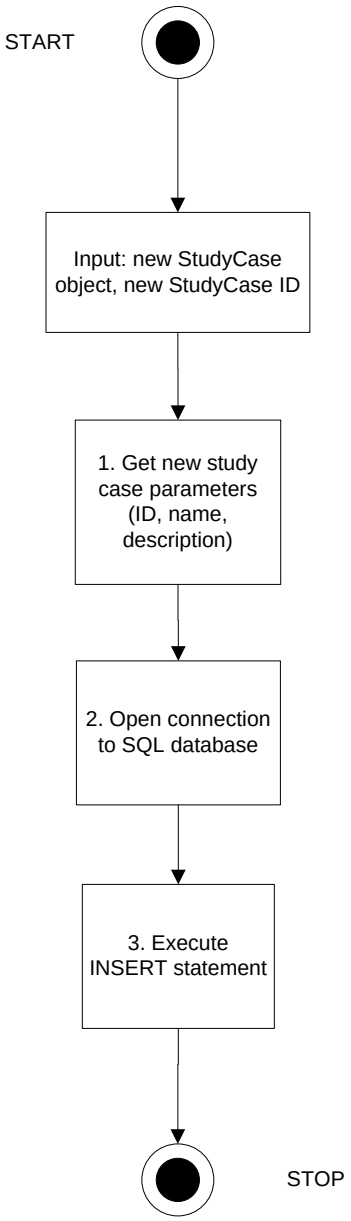

Figure 3-86 Add New Scenario

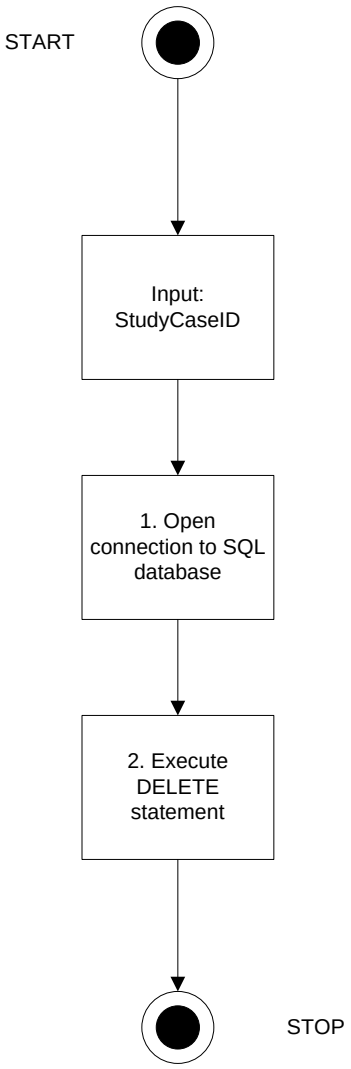

Figure 3-87 Delete Scenario

3.1.2.1.6 Scenario (hzFIAnScenario) Library

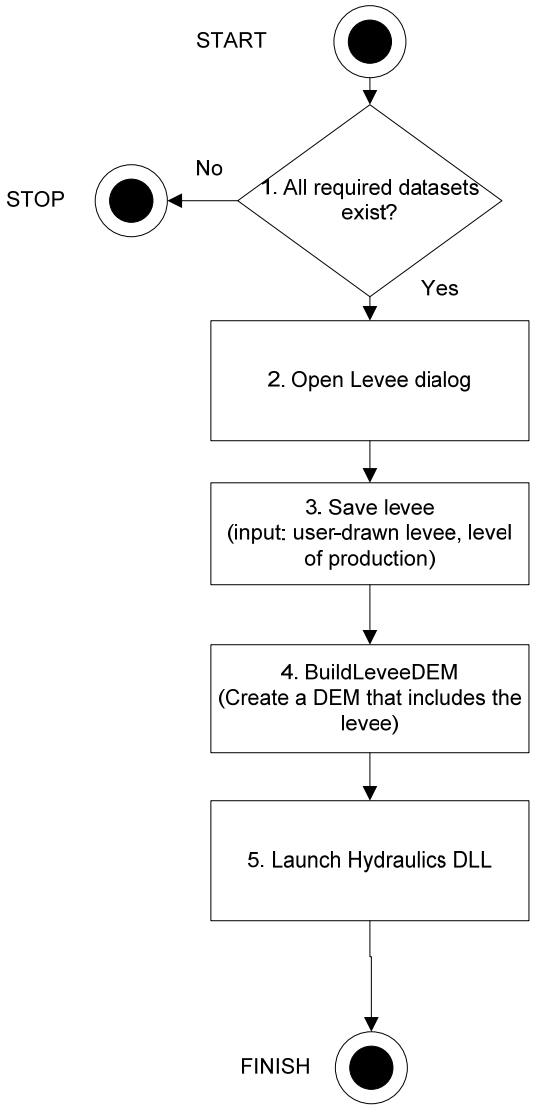

Figure 3-88 What-If Levee

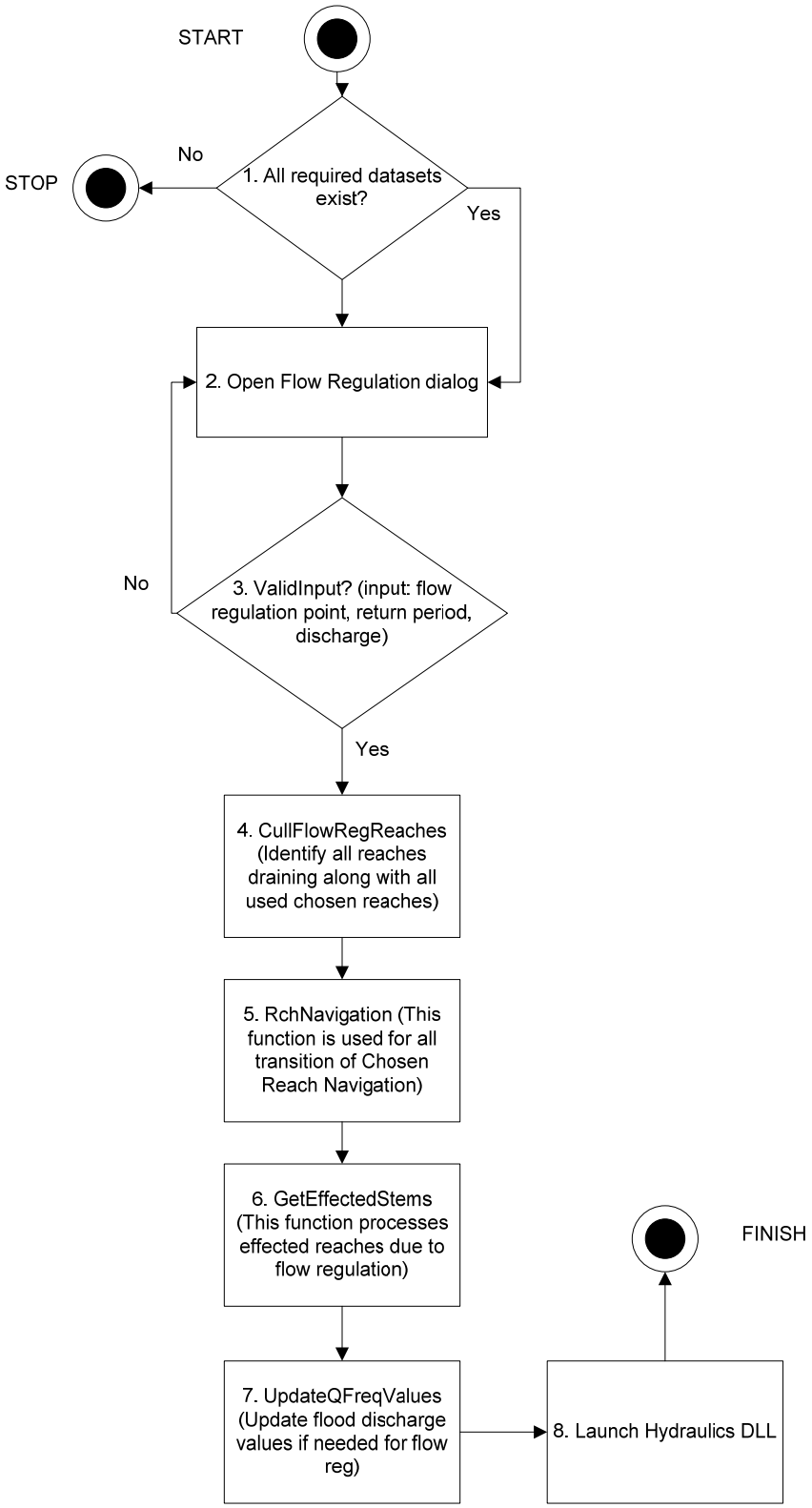

Figure 3-89 What-If Flow Regulation

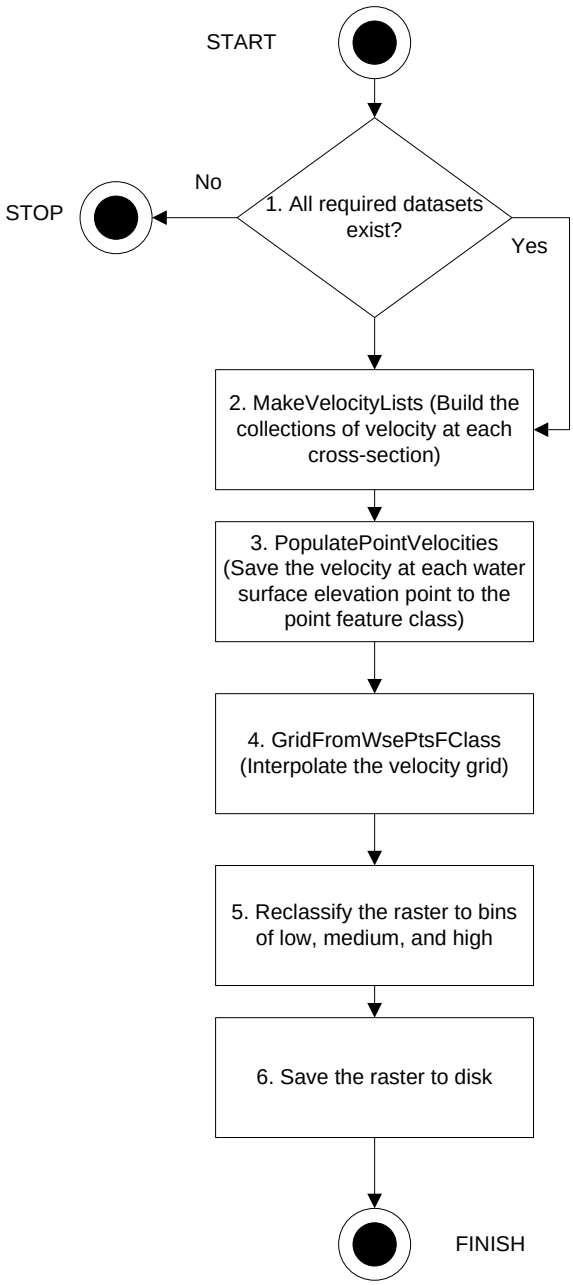

Figure 3-90 What-If Velocity

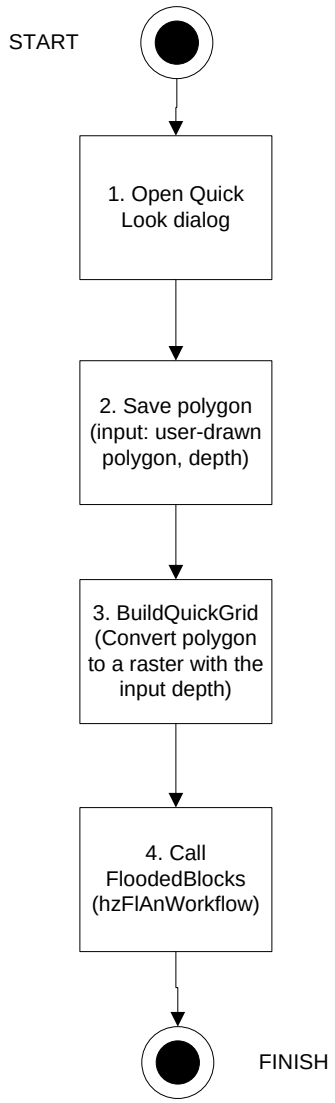

Figure 3-91 Quick Look (Hazard)

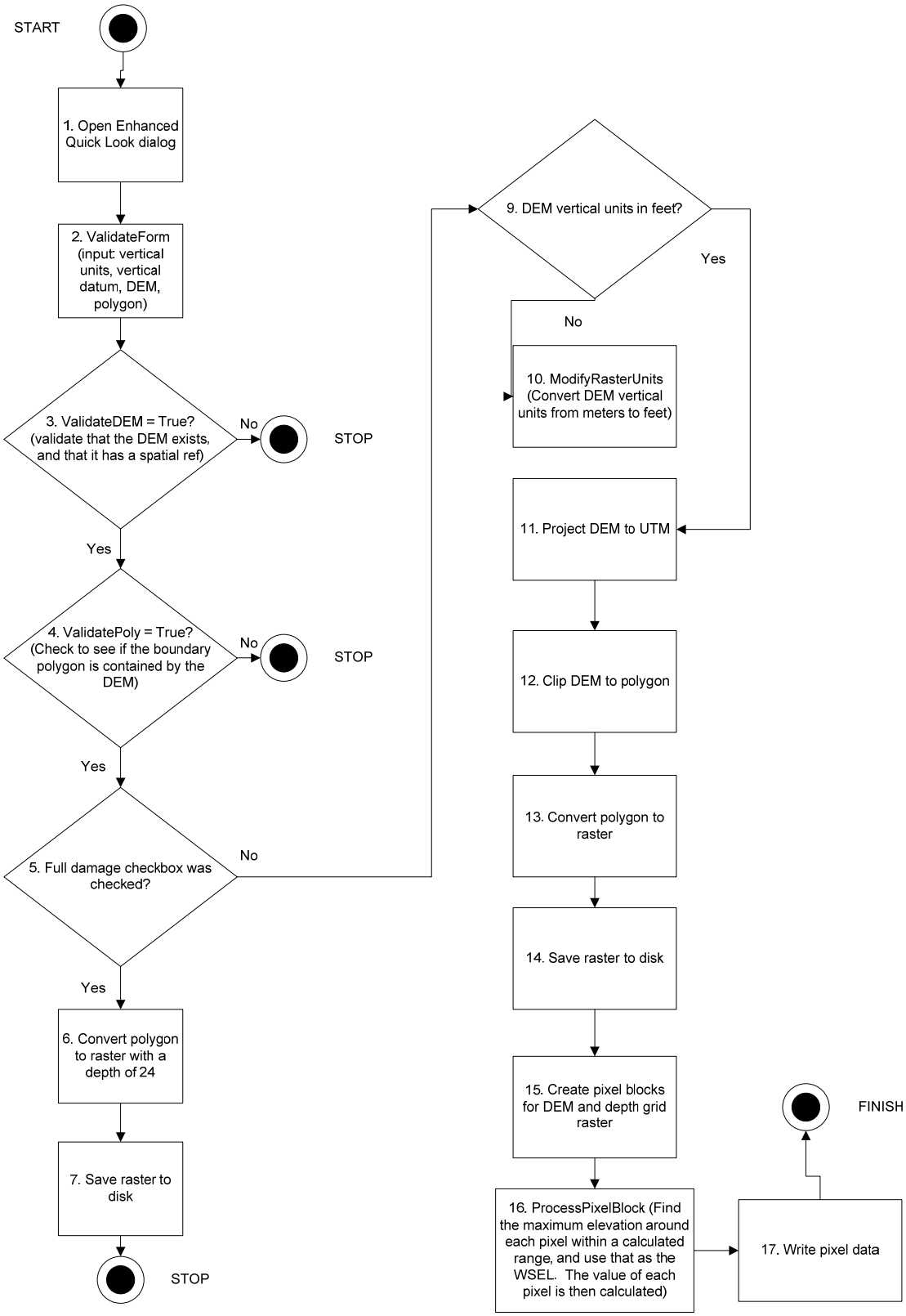

Figure 3-92 Enhanced Quick Look (Hazard)

3.1.2.1.7 Add Depth Grid to Map (hzFIAnAddGridtoMap) Library

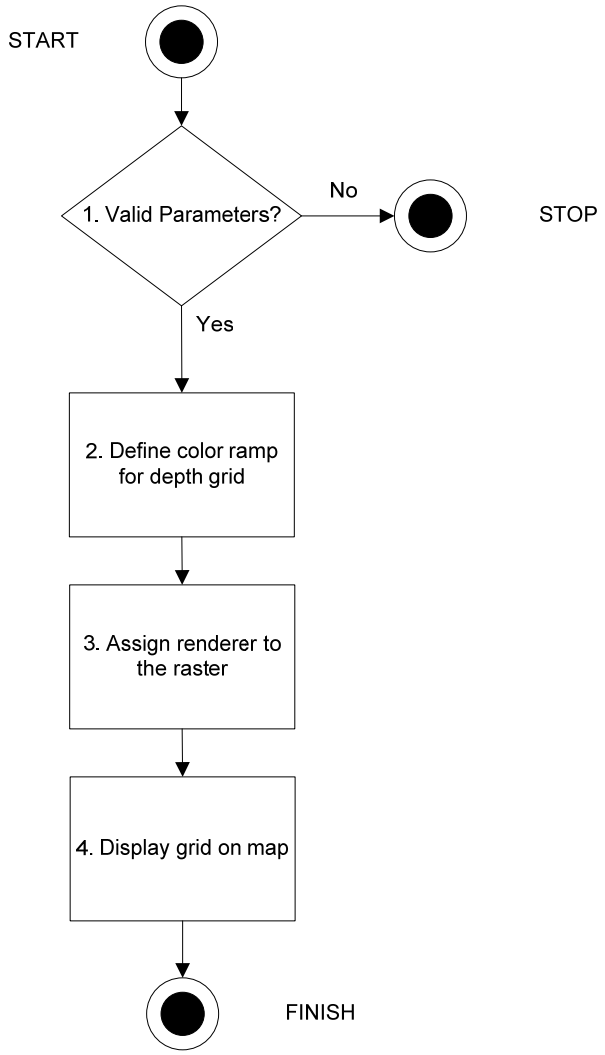

Figure 3-93 Add Depth Grid to Map

3.1.2.1.8 Agriculture Aggregation (hzFlAnAgriImport) Library

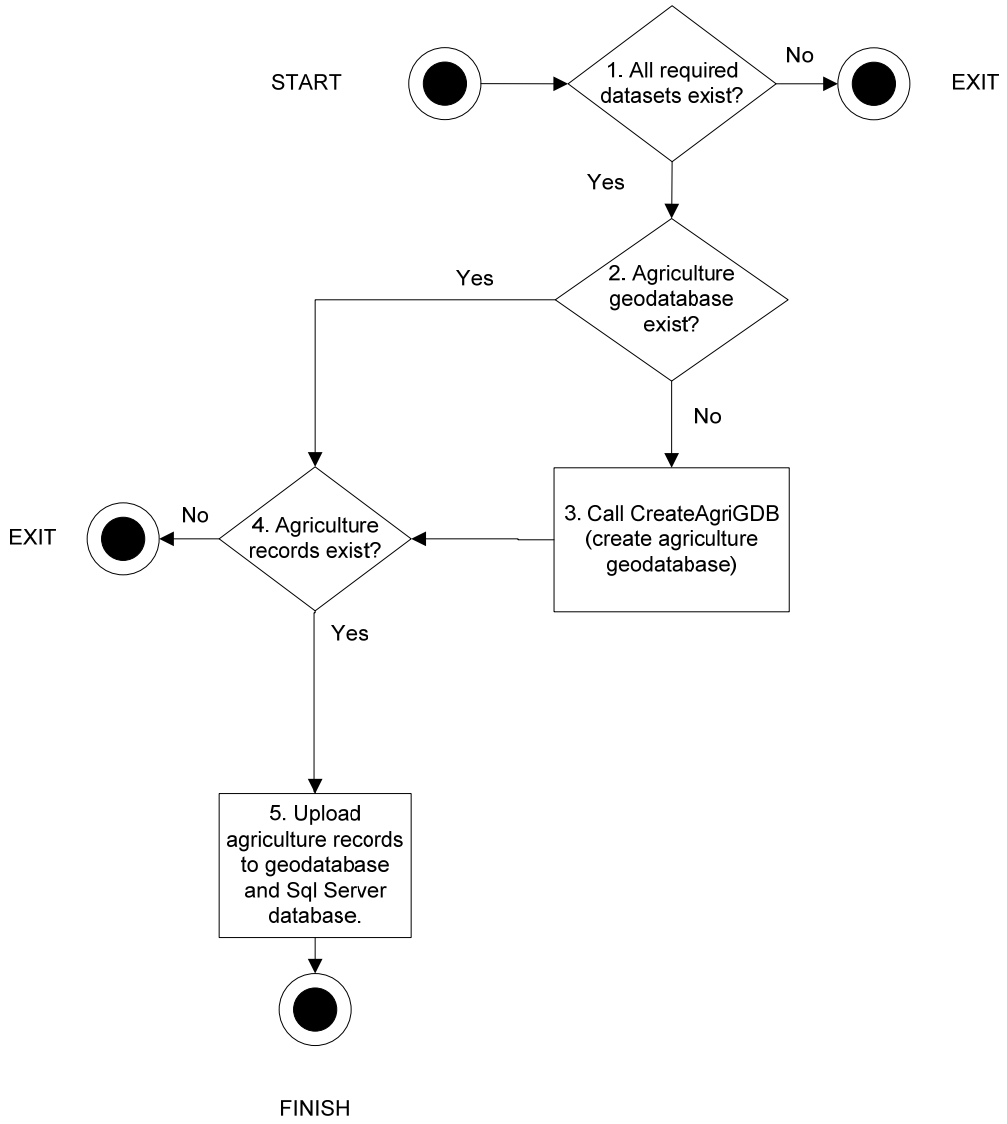

Figure 3-94 Agriculture Import

3.1.2.1.9 Add Agriculture to Map (hzFIAnAgriTheme) Library

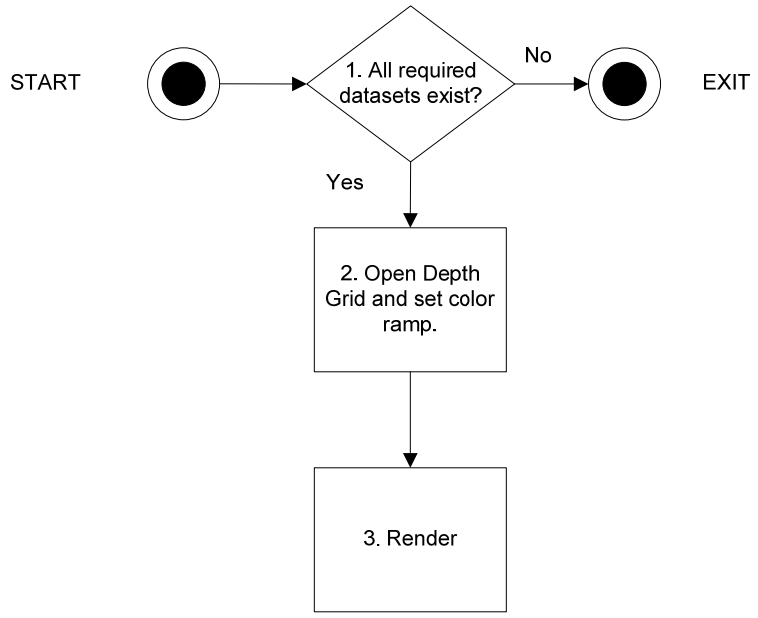

Figure 3-95 Agriculture Thematic Mapping

3.1.2.2 Calculating Flood Hazard (or Hazard Libraries)

The Flood Hazard Libraries are described in 3.1.2.2.1 Stream Network (hzFIAnNetwork) Library, 3.1.2.2.2 Hydrology (hzFIAnHydrology) Library, 3.1.2.2.3.1 Hydraulic Wrapper (hzFlAnHydraulics) Library, 3.1.2.2.3.2 CoreOfHydraulics, 3.1.2.2.4 Coastal (hzFIAnCoastal) Library, 3.1.2.2.5 Agriculture (hzFIAnAgriDmg) Library, and 3.1.2.2.6 Flood Information Tool (FIT) Library.

3.1.2.2.1 Stream Network (hzFIAnNetwork) Library

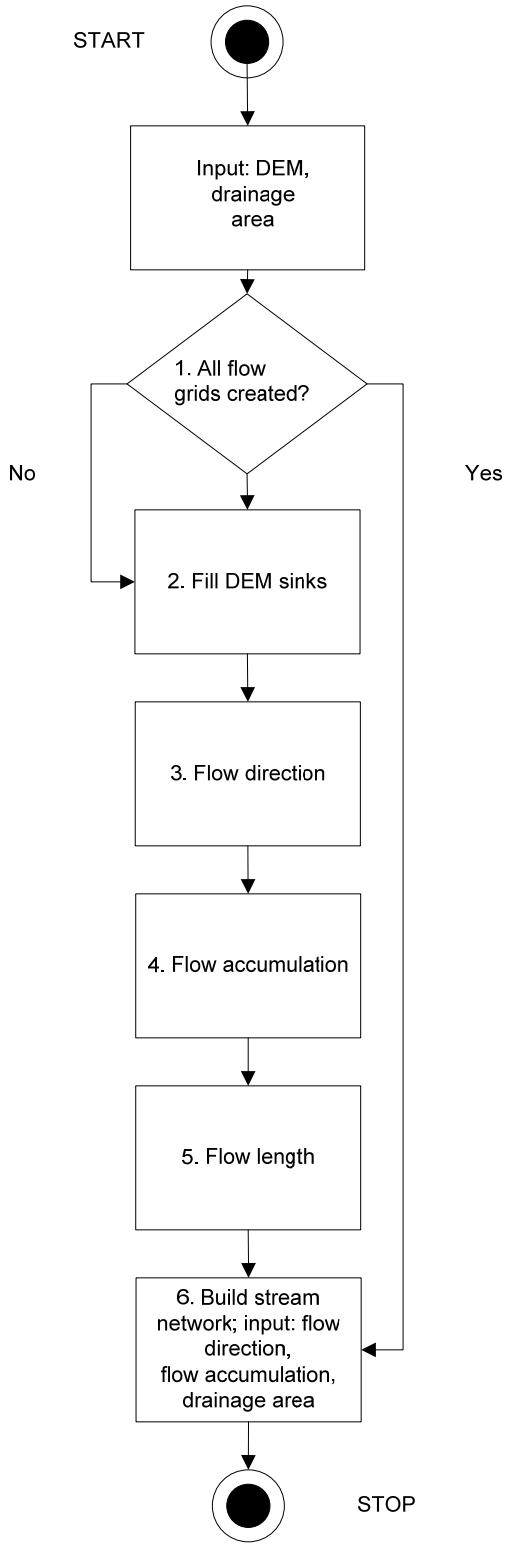

Figure 3-96 Stream Network

3.1.2.2.2 Hydrology (hzFlAnHydrology) Library

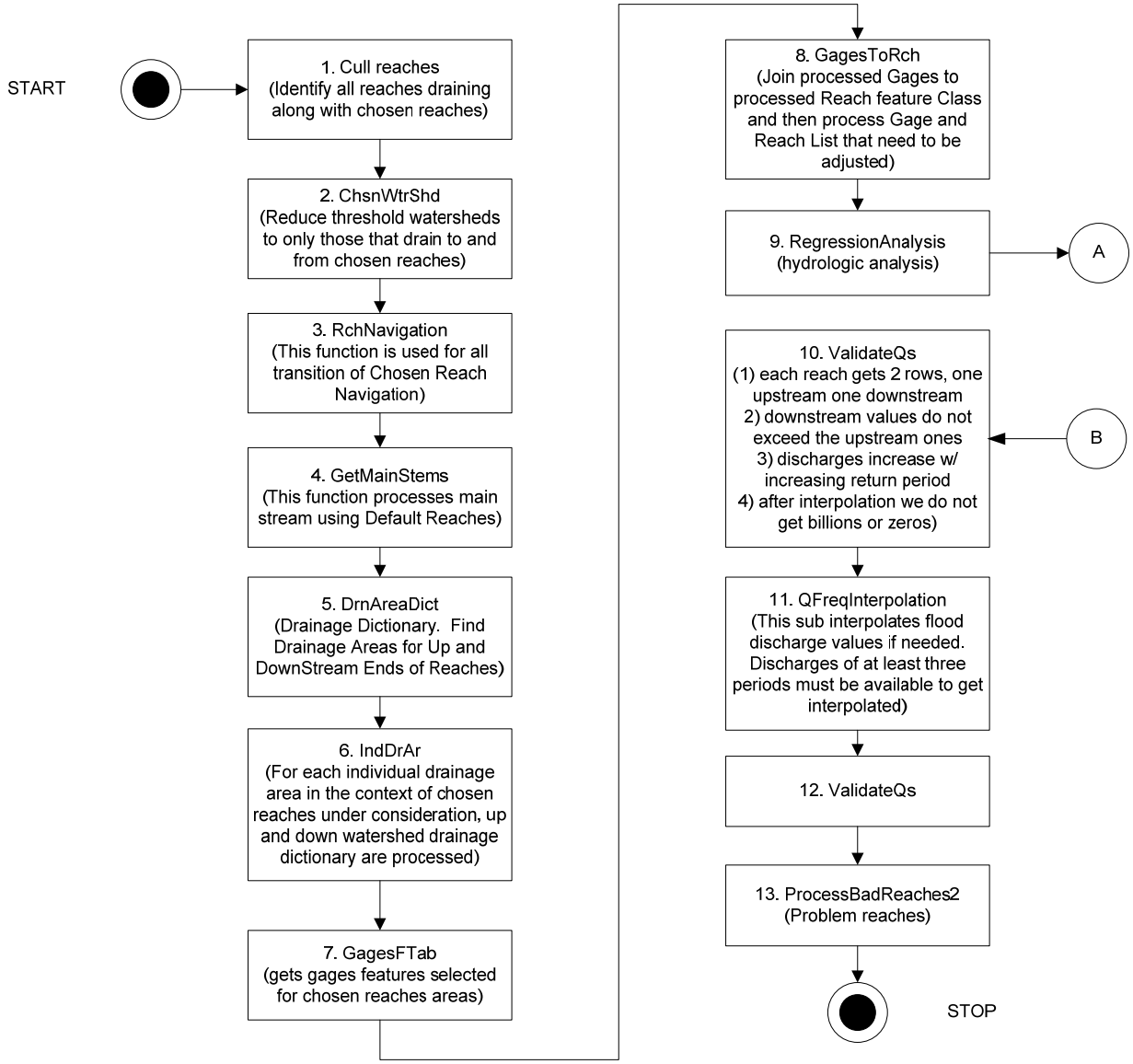

Figure 3-97 Hydrology

3.1.2.2.3 Hydraulic Libraries Design Description

Historically Hydraulics was designed into one COM DLL that would load when a HAZUS user invoked Delineate Floodplain for a Riverine Scenario. However, users experienced decresed performance over extended use. The reason for such decreased performance the FL development team believe is the ArcMap not releasing back to the heap memory for objects that have been destroyed. The FL development team then re architectured the hzFlAnHydraulics.dll by splitting it into two parts – a wrapper and an executable called CoreOfHydraulics. The reason

was simple, each standalone (exe) process releases all its objects' memory back to the OS, thus avoiding the memory leaks the users were previously experiencing. This hypothesis seem to be working fine, and coupled with the reach grids caching virtually allows HAZUS users to Delineate Floodplains to the extent of their hardware specifications.

3.1.2.2.3.1 Hydraulic Wrapper (hzFlAnHydraulics) Library

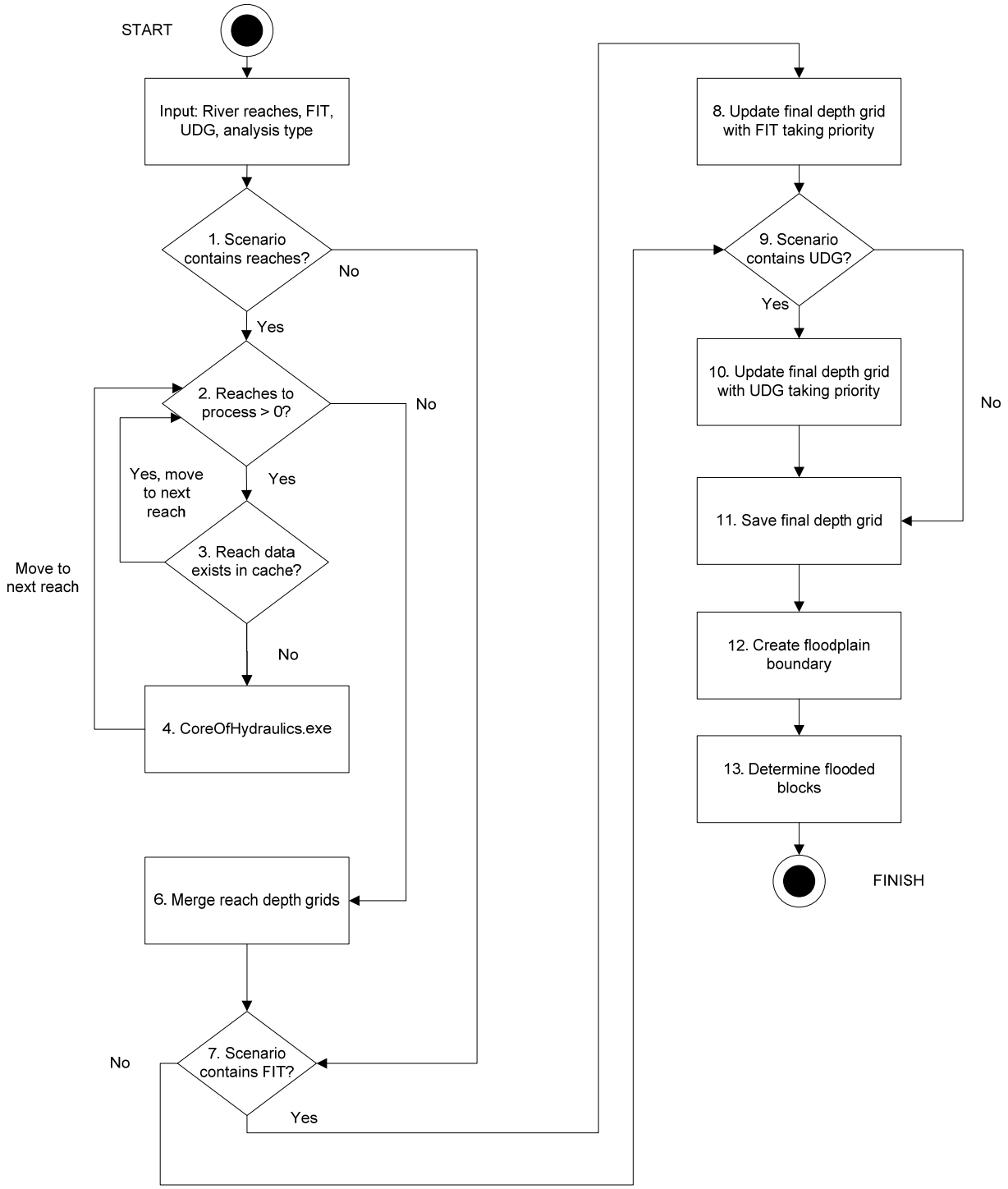

Figure 3-98 Hydraulics

3.1.2.2.3.2 CoreOfHydraulics

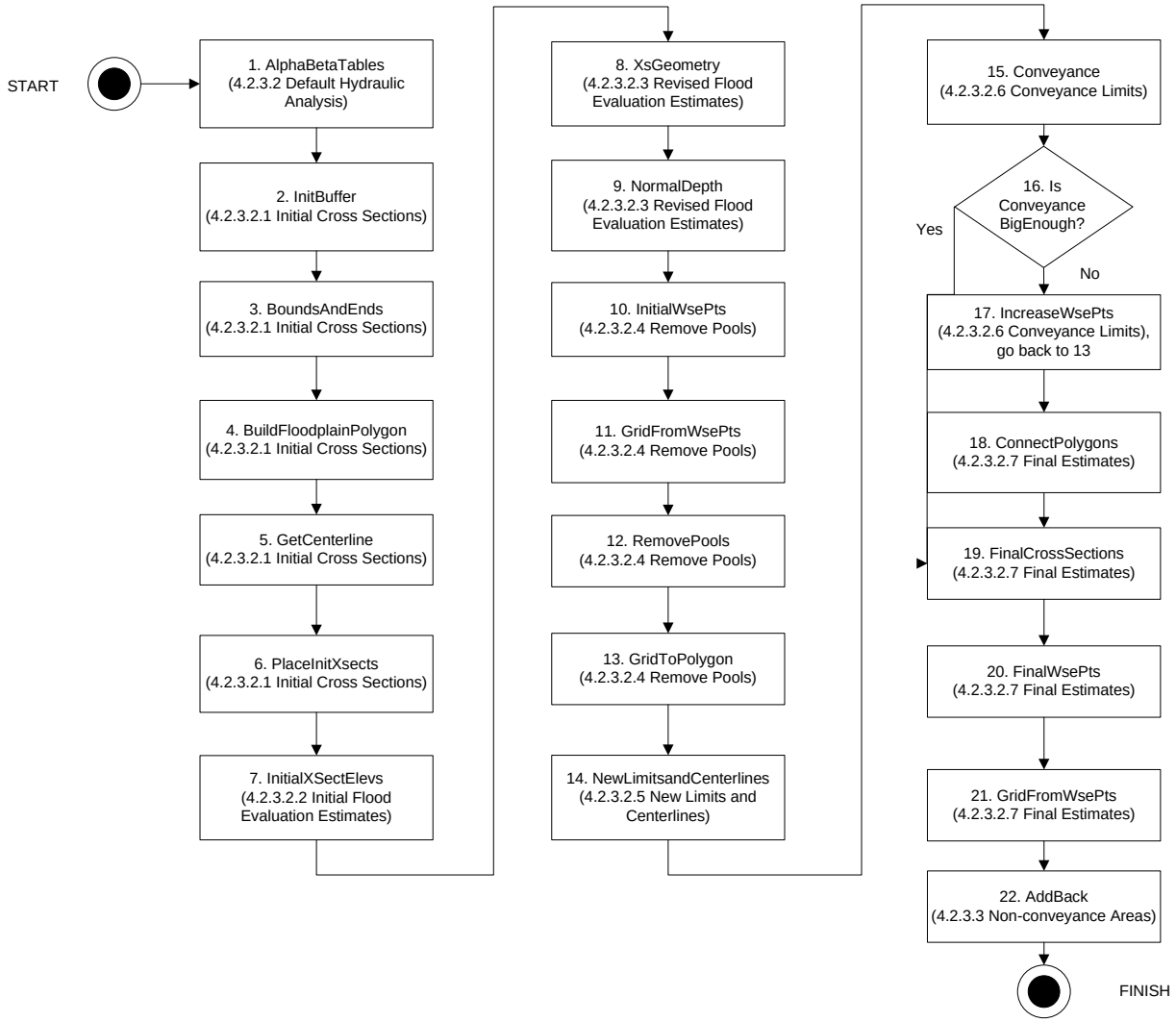

Figure 3-99 Core of Hydraulics

3.1.2.2.4 Coastal (hzFIAnCoastal) Library

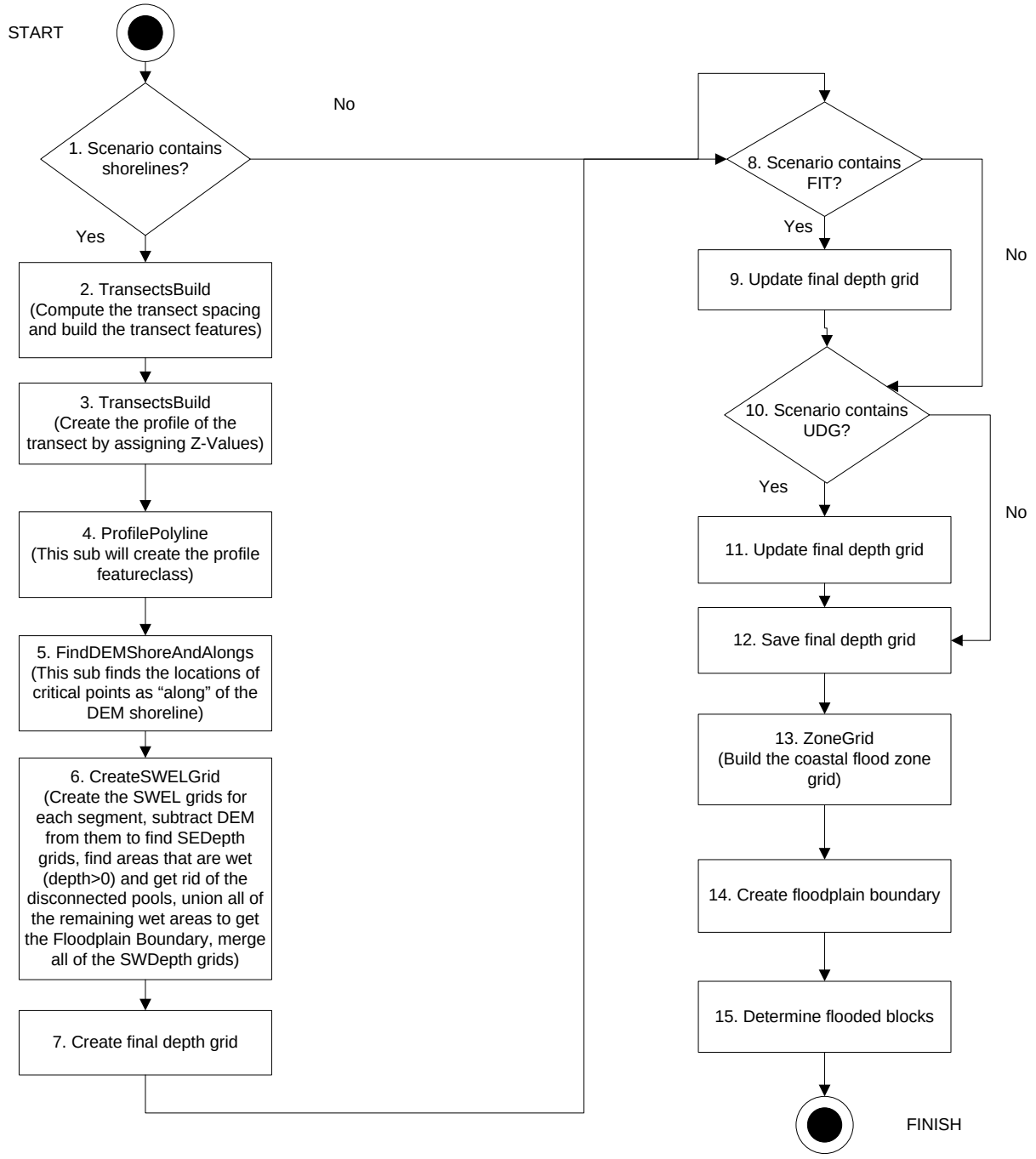

Figure 3-100 Coastal

3.1.2.2.5 Agriculture (hzFlAnAgriDmg) Library

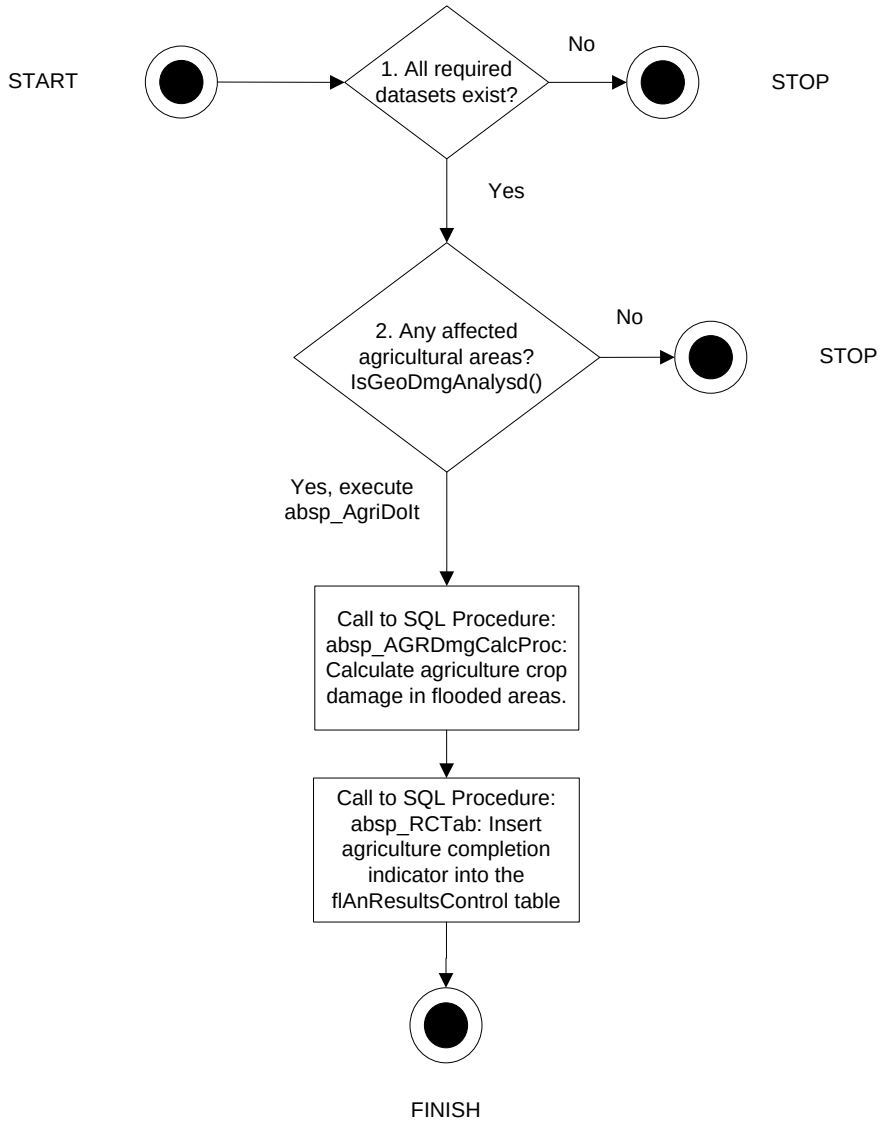

Figure 3-101 Agriculture

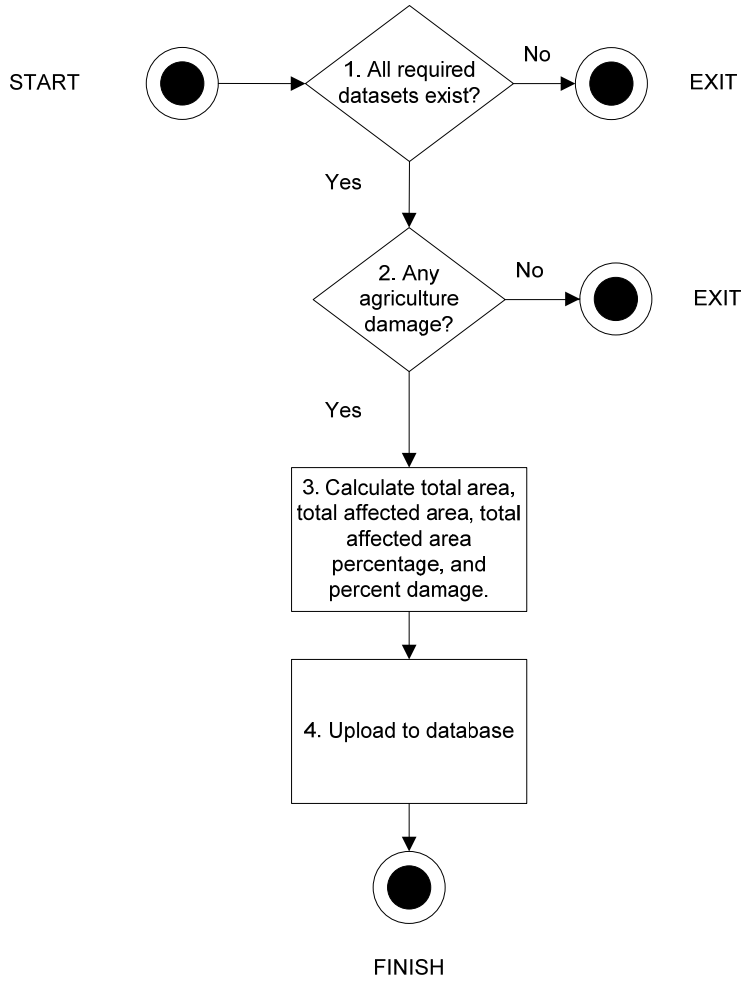

Figure 3-102 Agriculture Damage

3.1.2.2.6 Flood Information Tool (FIT) Library

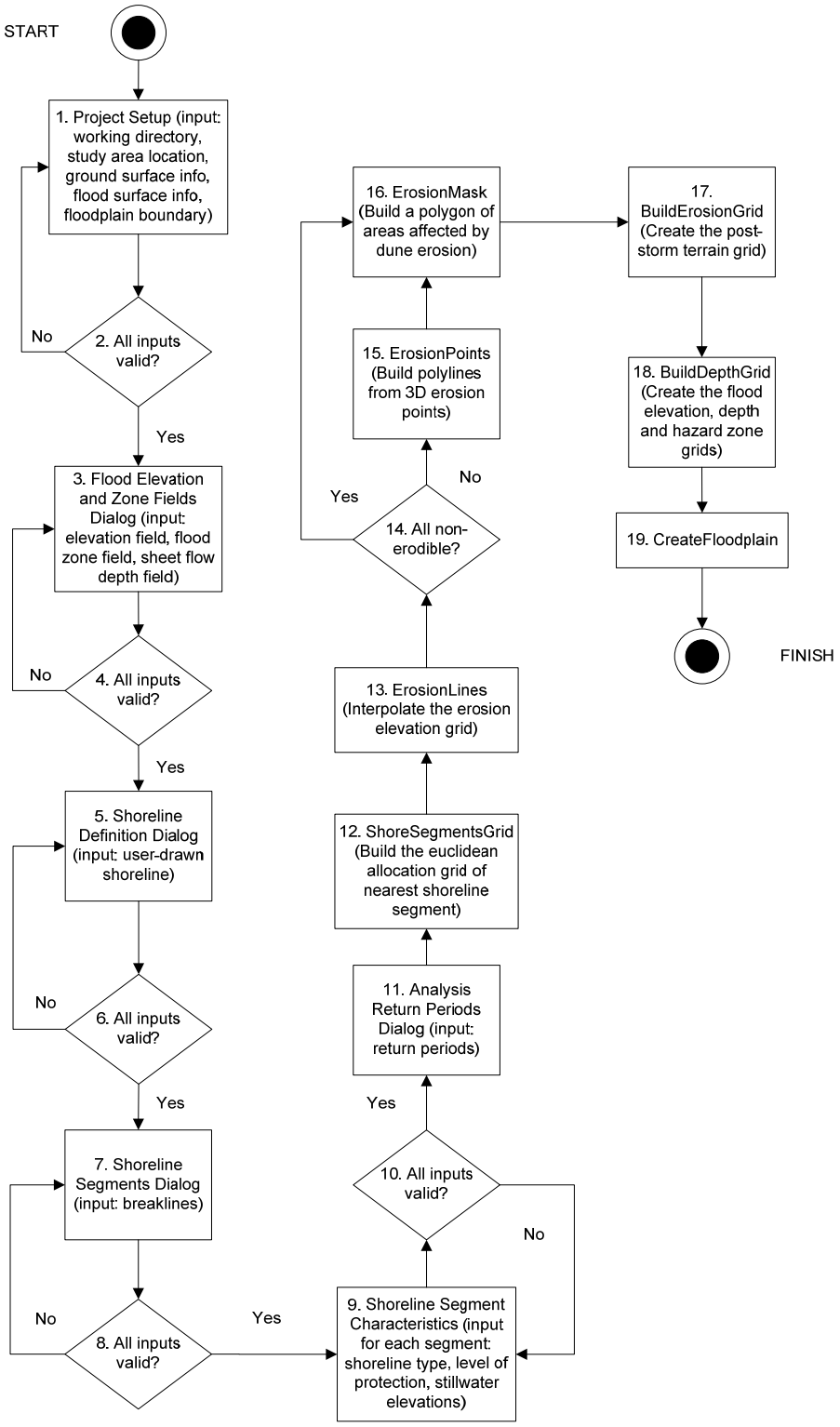

Figure 3-103 Flood Information Tool – Riverine

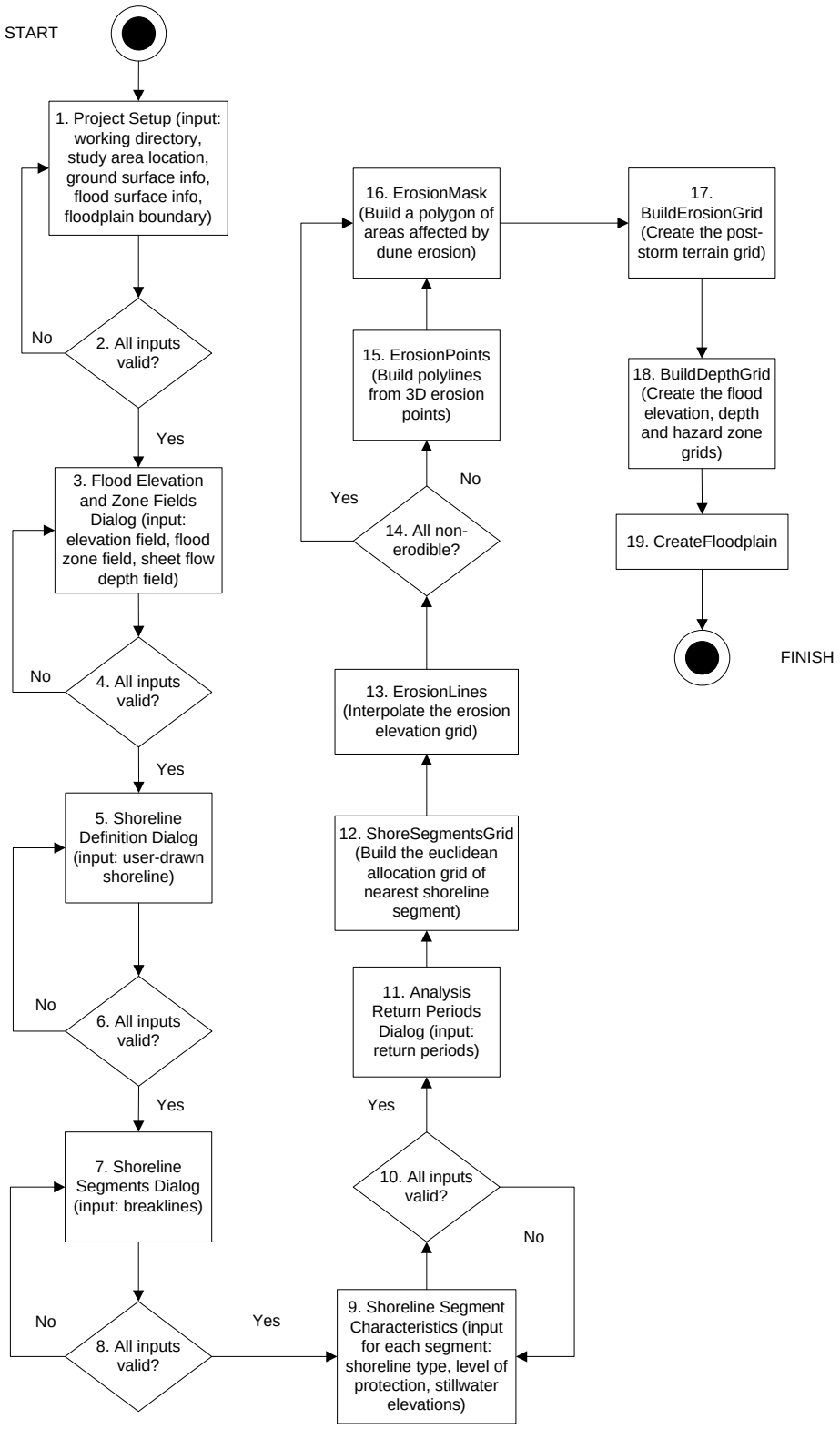

Figure 3-104 Flood Information Tool – Coastal

3.1.2.3 Analyzing Flood Damages and Losses (or Analysis Libraries)

The Analysis Libraries are described in 3.1.2.3.1 Area-Weighted Damage Analysis (hzFIAnDamageFn) Library, 3.1.2.3.2 Agriculture (hzFIAnAgriAnalysis) Library, 3.1.2.3.3 General Building Stock (hzFIAnStockDmg) Library, 3.1.2.3.4 Average Annual Loss (hzFIAnAnnualize) Library, 3.1.2.3.5 Essential Facilities (hzFIAnEFDmg) Library, 3.1.2.3.6 User-Defined Facilities (hzFIAnUDEFDmg) Library, 3.1.2.3.7 Debris (hzFIAnDebris) Library, 3.1.2.3.8 Shelter (hzFIAnShelter) Library, 3.1.2.3.9 Transportation (hzFIAnTransDmg) Library, 3.1.2.3.10 Utilities (hzFIAnUtilDmg) Library, 3.1.2.3.11 Vehicles (hzFIAnVehDmg) Library, and 3.1.2.3.12 Indirect Economic Loss Model (hzFIAnIELM) Library.

3.1.2.3.1 Area-Weighted Damage Analysis (hzFIAnDamageFn) Library

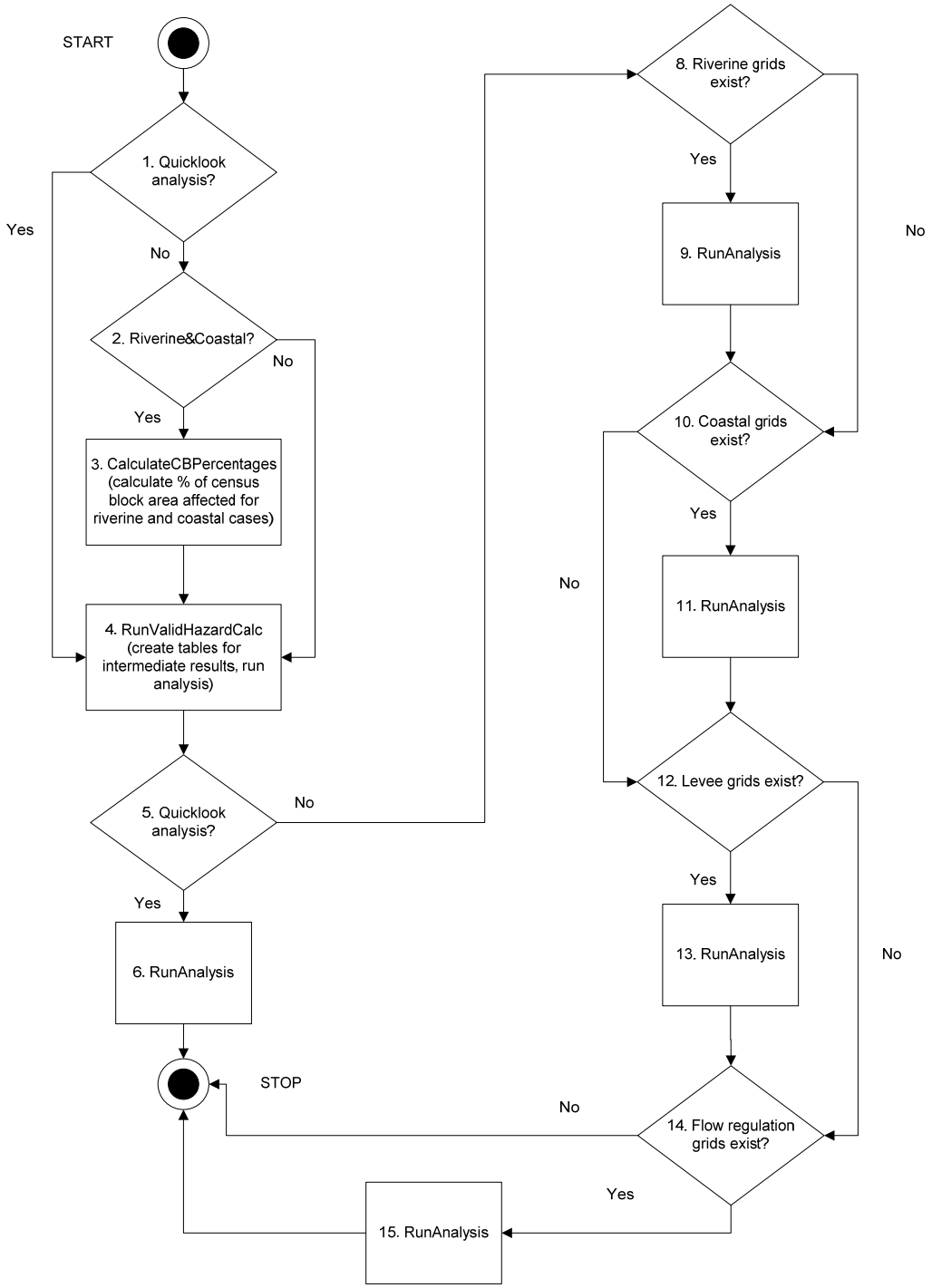

Figure 3-105 Area Weighted

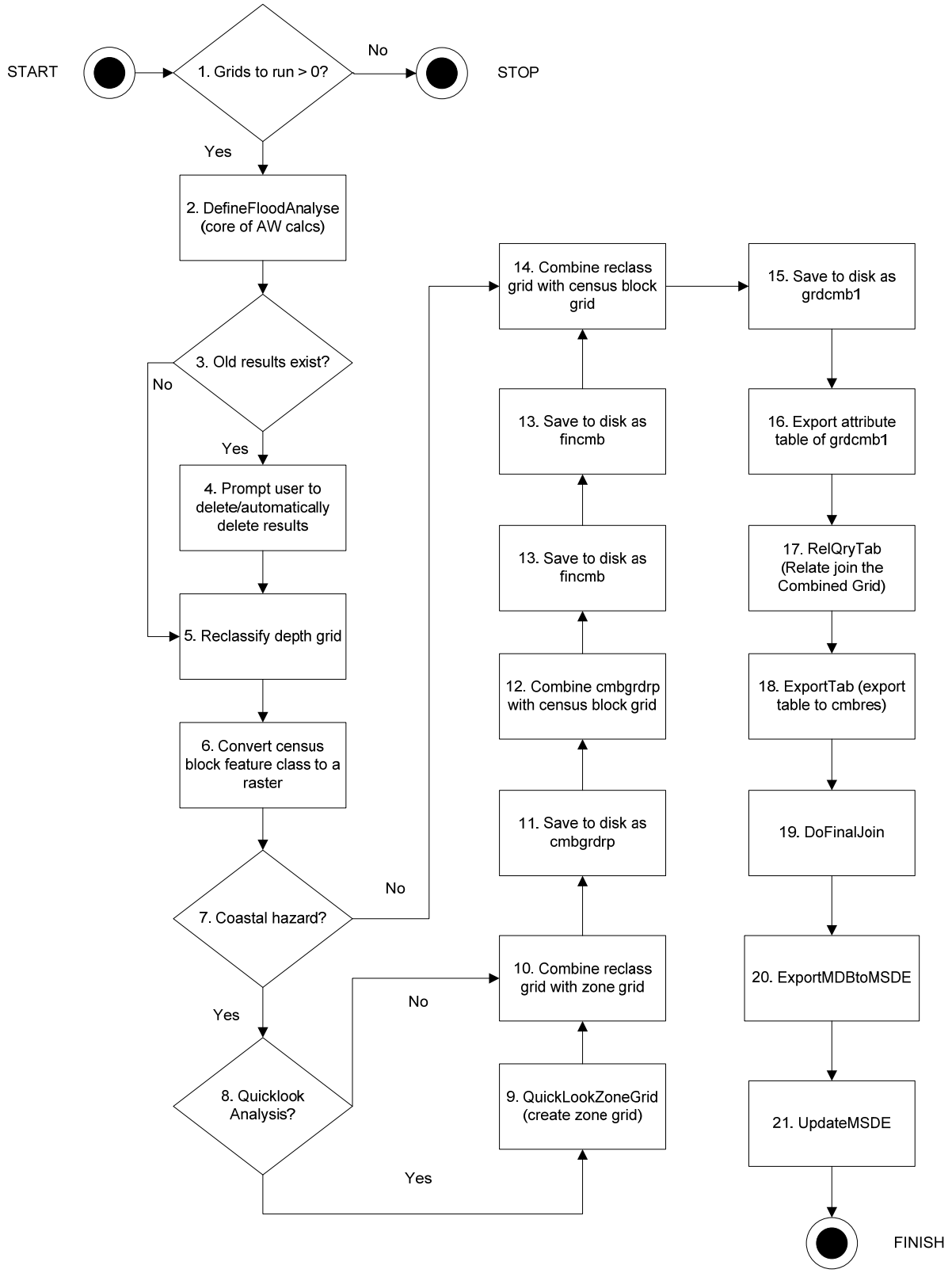

Figure 3-106 Run Analysis

3.1.2.3.2 Agriculture (hzFIAnAgriAnalysis) Library

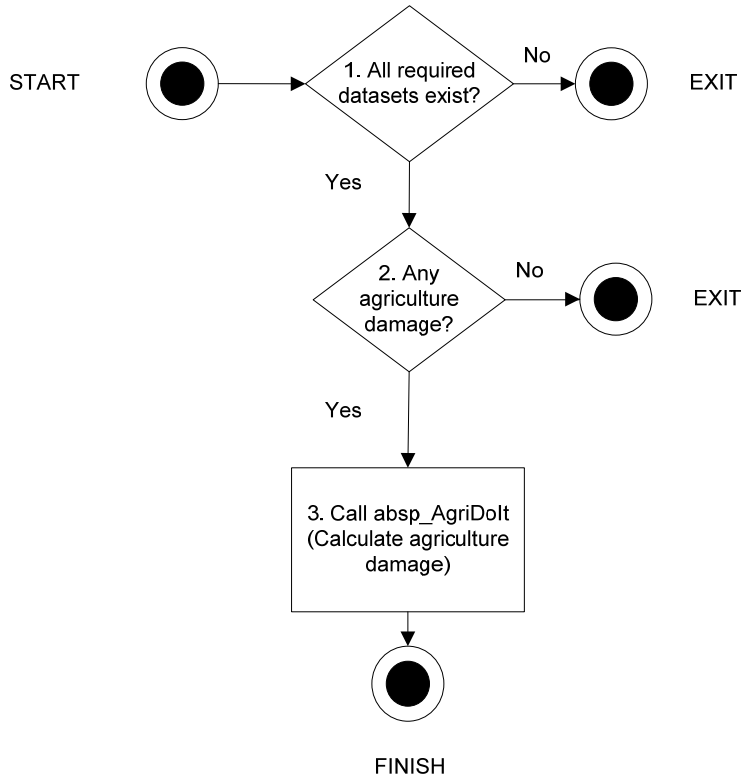

Figure 3-107 Agriculture Analysis

3.1.2.3.3 General Building Stock (hzFIAnStockDmg) Library

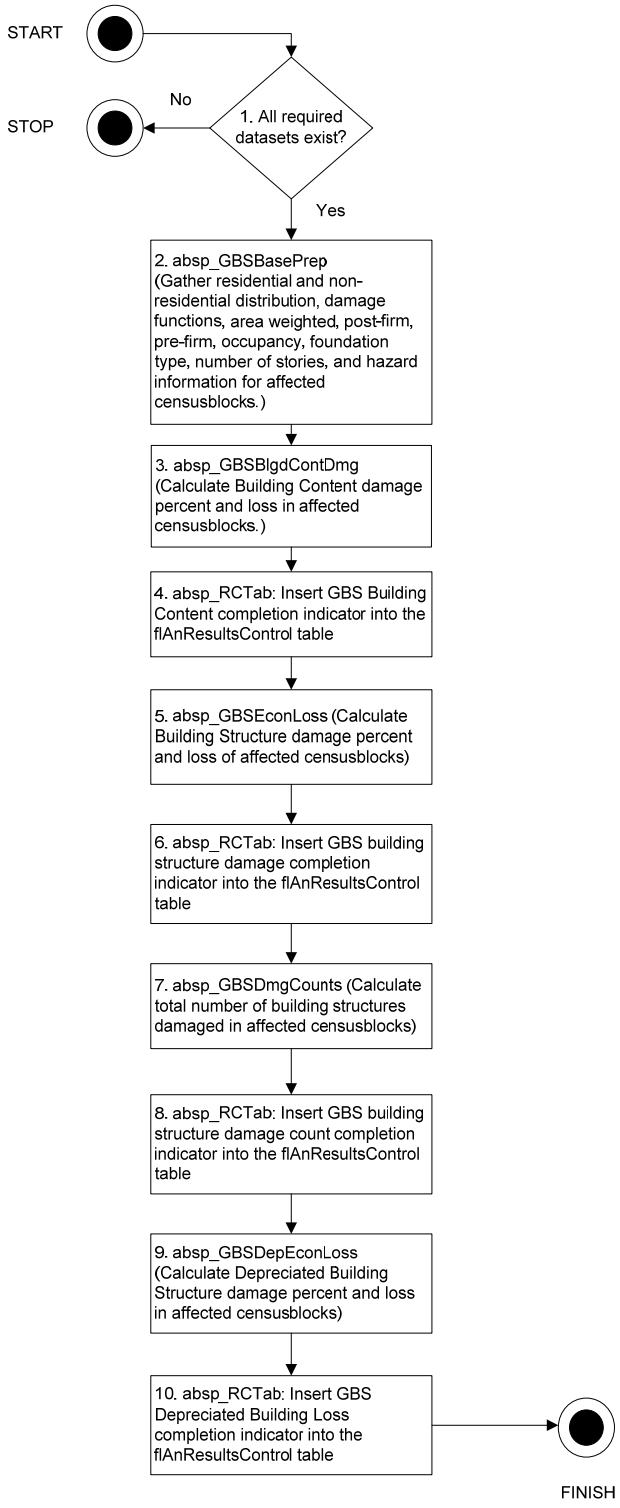

Figure 3-108 General Building Stock

3.1.2.3.4 Average Annual Loss (hzFIAnAnnualize) Library

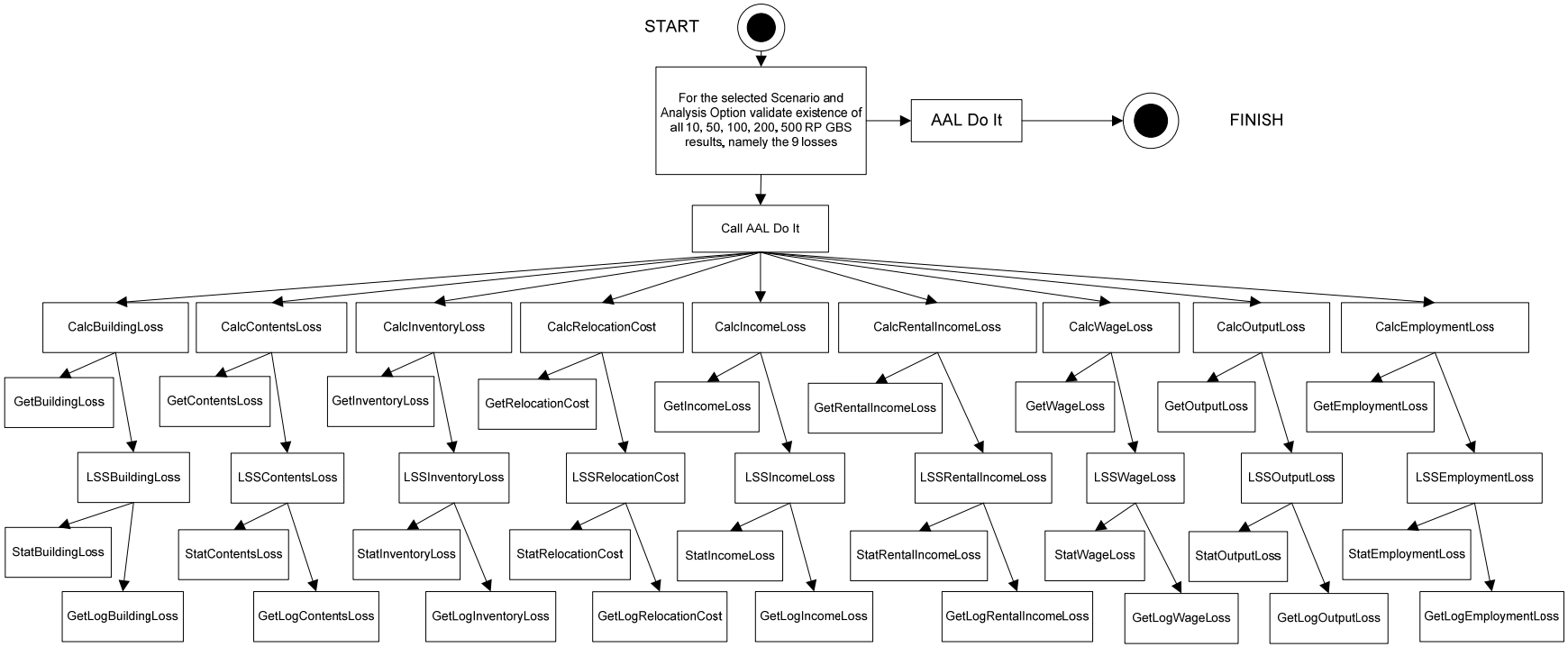

Figure 3-109 Average Annual Loss

3.1.2.3.5 Essential Facilities (hzFIAnEFDmg) Library

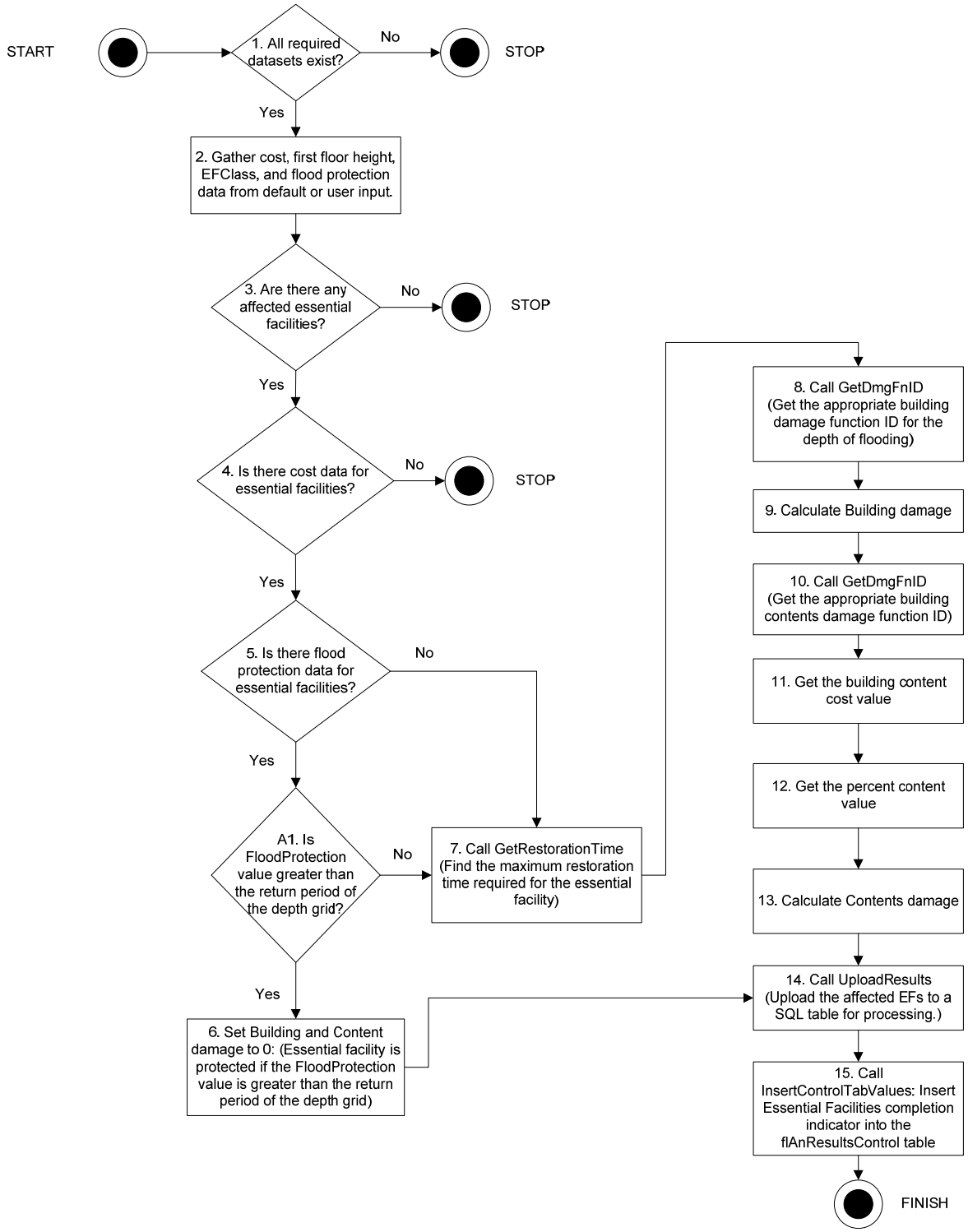

Figure 3-110 Essential Facilities

3.1.2.3.6 User-Defined Facilities (hzFIAnUDEFDmg) Library

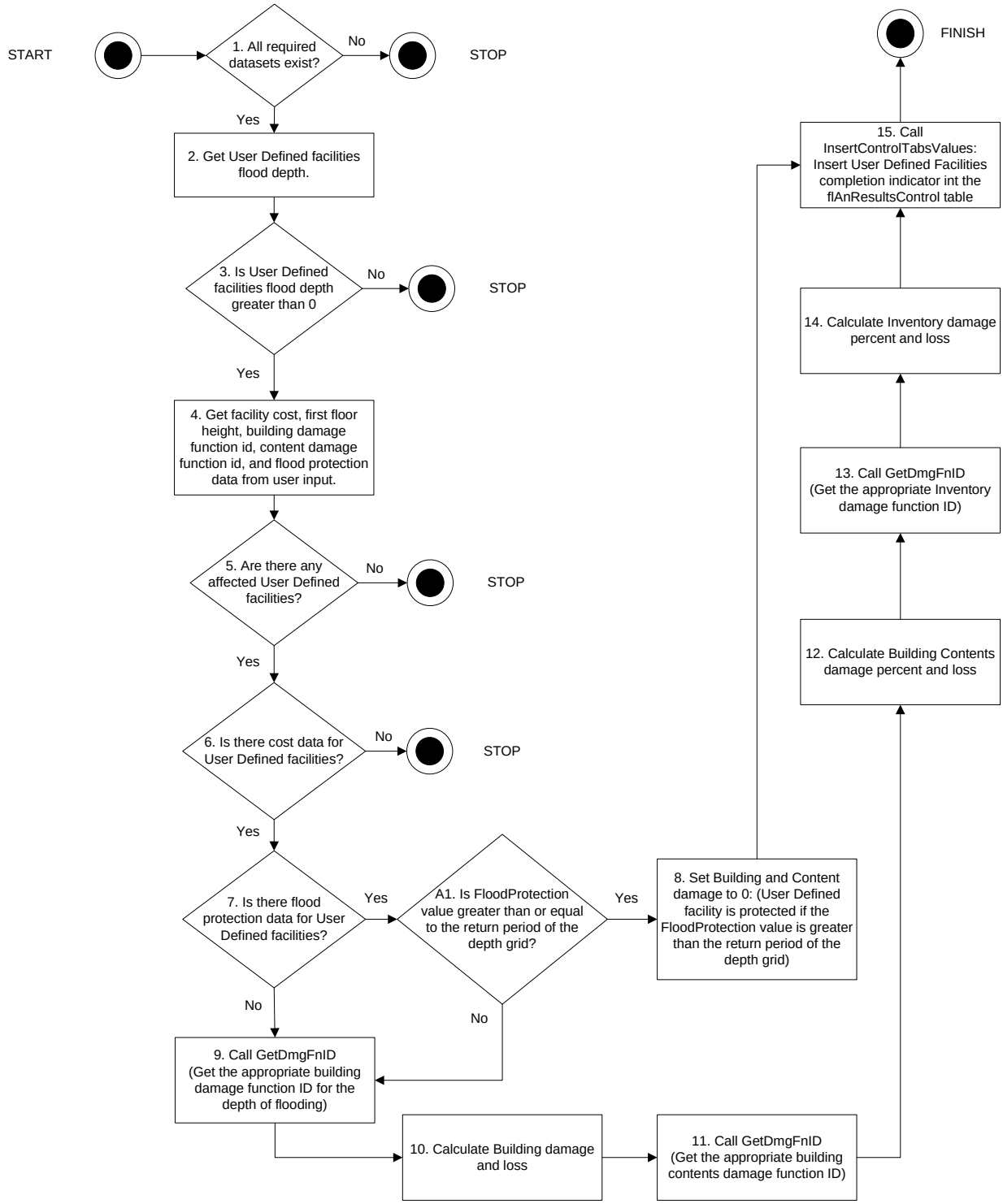

Figure 3-111 User Defined Facilities

3.1.2.3.7 Debris (hzFIAnDebris) Library

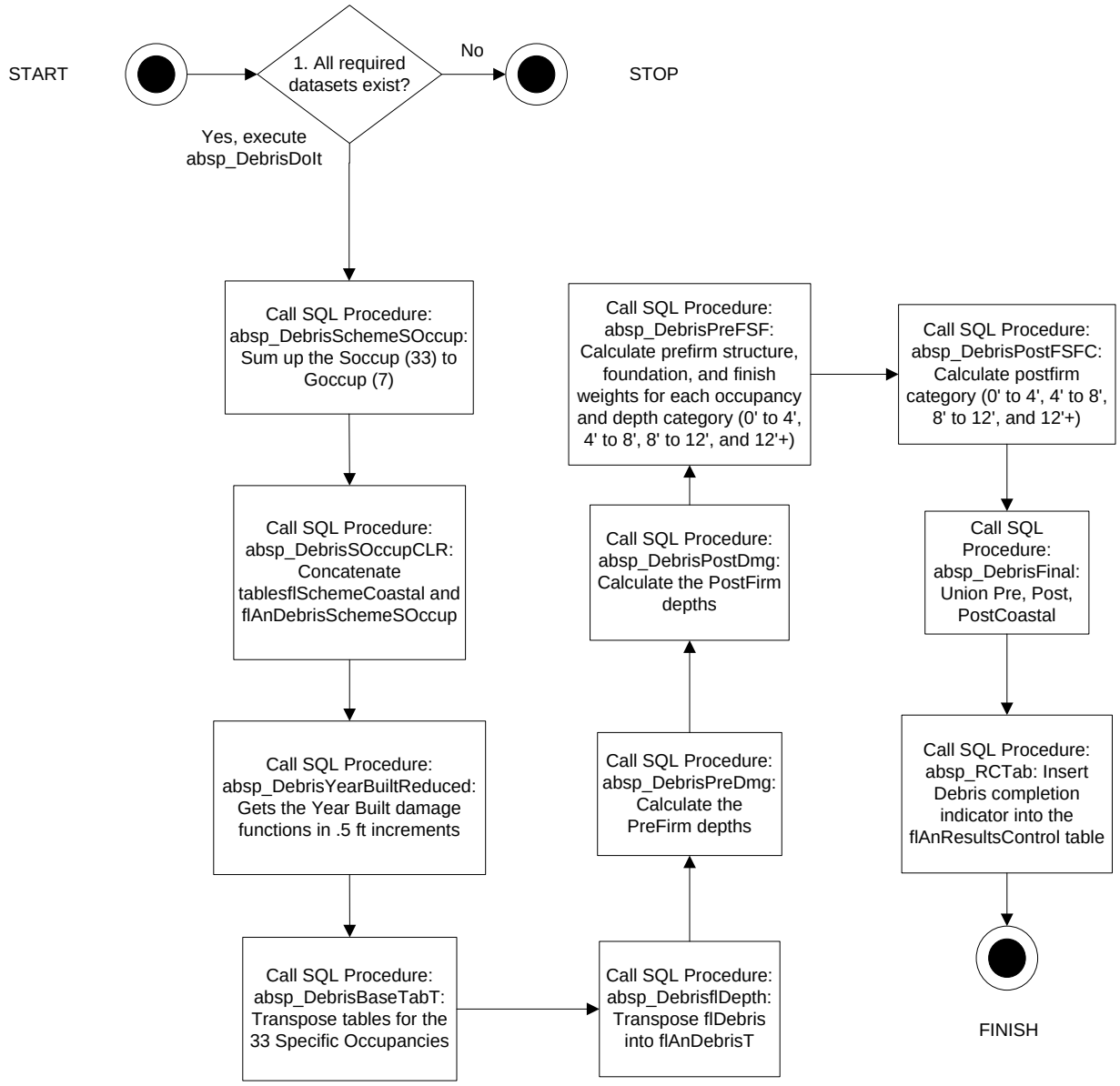

Figure 3-112 Debris

3.1.2.3.8 Shelter (hzFIAnShelter) Library

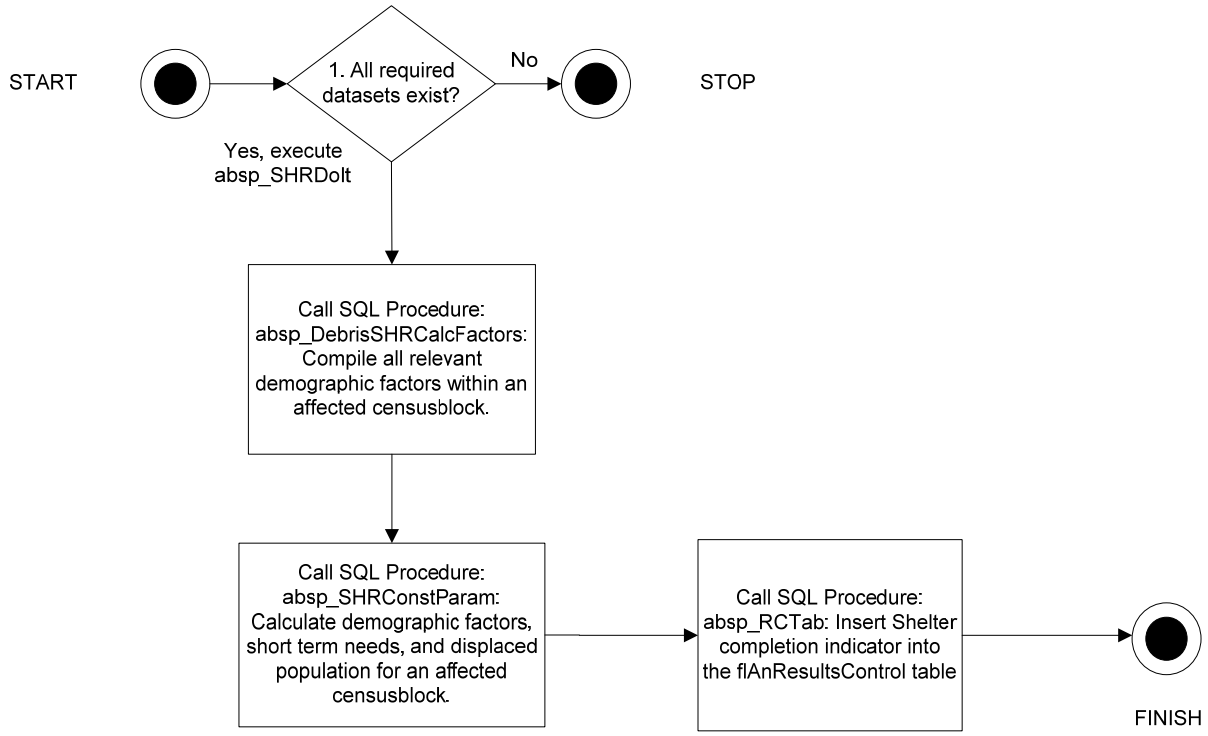

Figure 3-113 Shelter

3.1.2.3.9 Transportation (hzFIAnTransDmg) Library

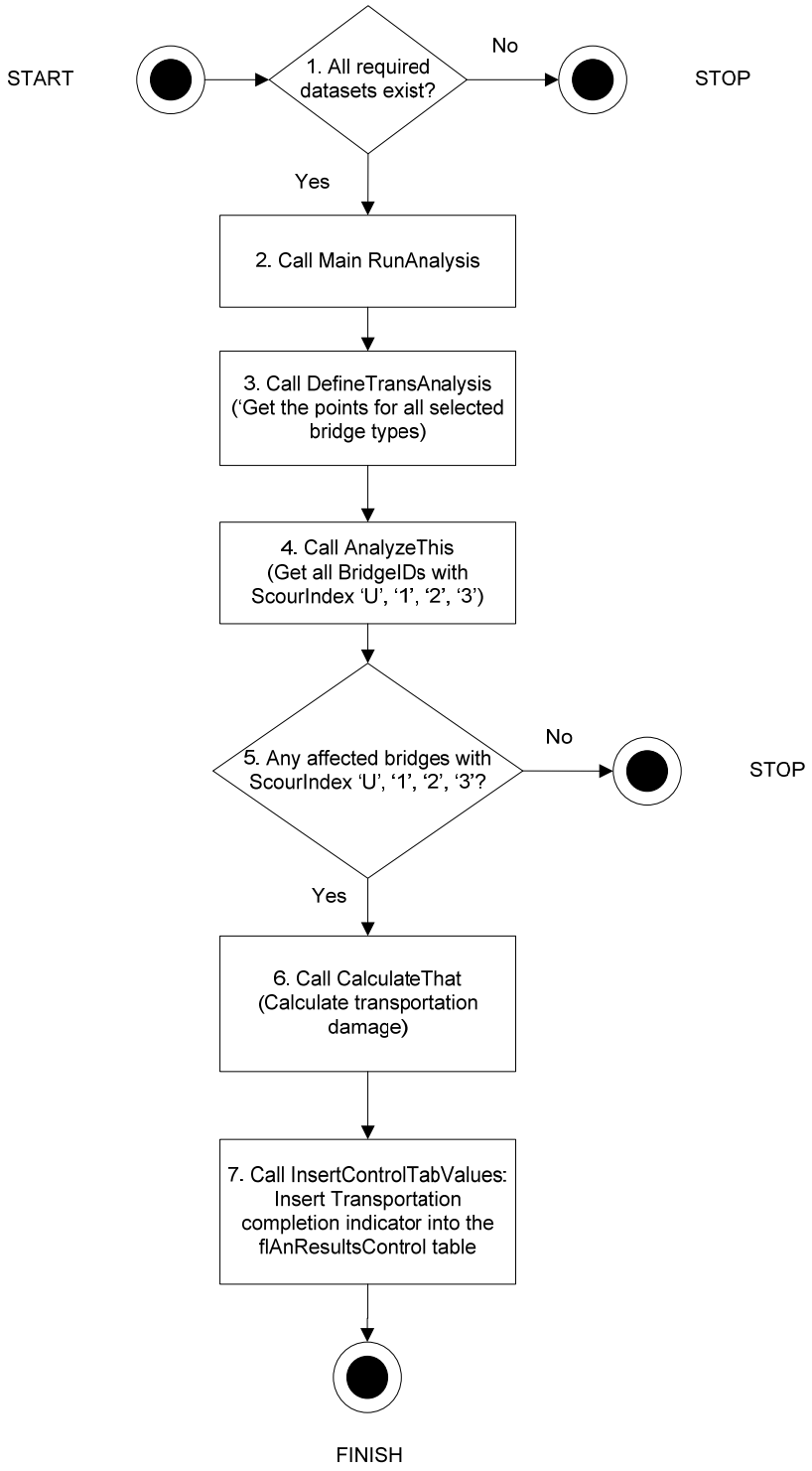

Figure 3-114 Transportation

3.1.2.3.10 Utilities (hzFIAnUtilDmg) Library

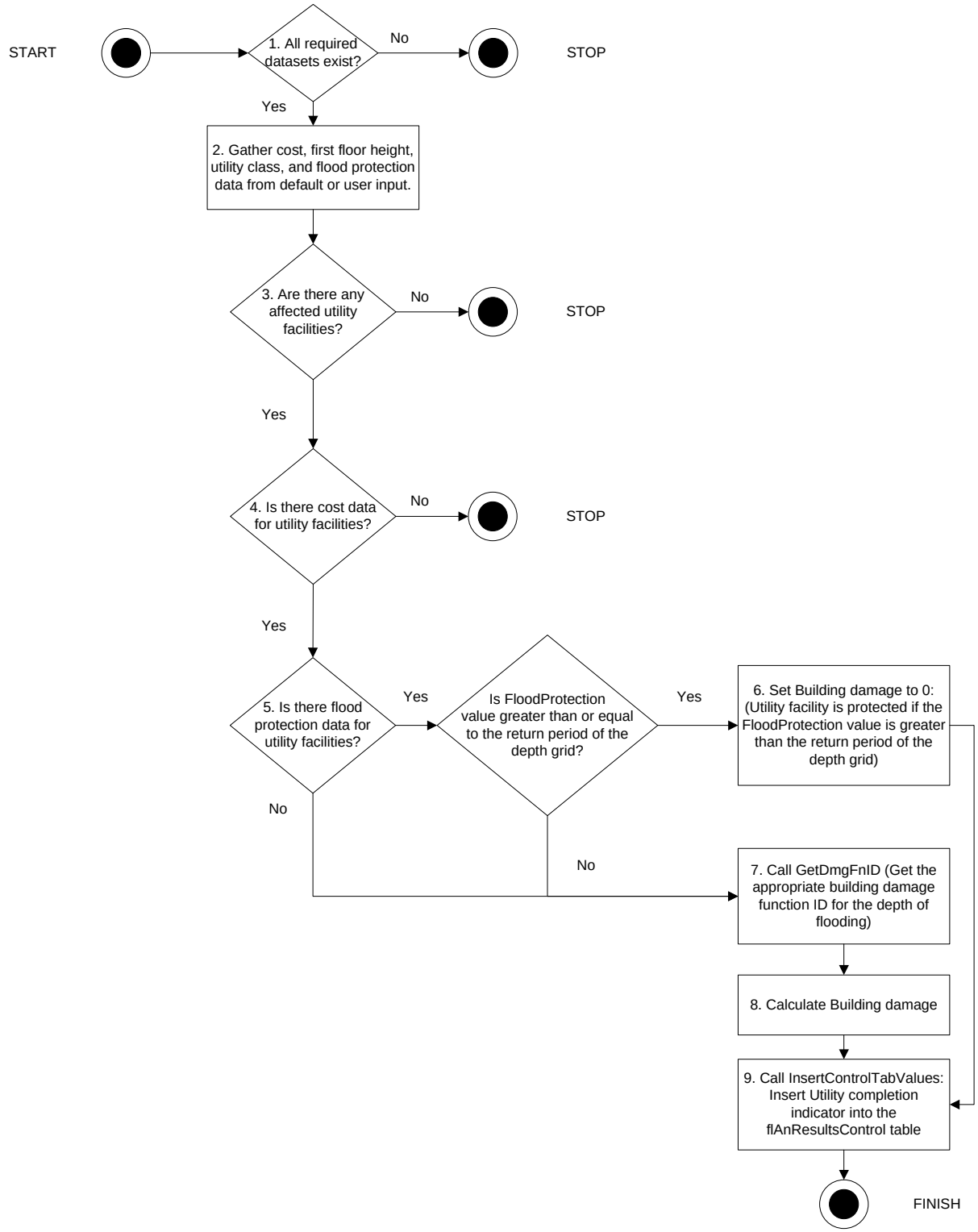

Figure 3-115 Utilities

3.1.2.3.11 Vehicles (hzFIAnVehDmg) Library

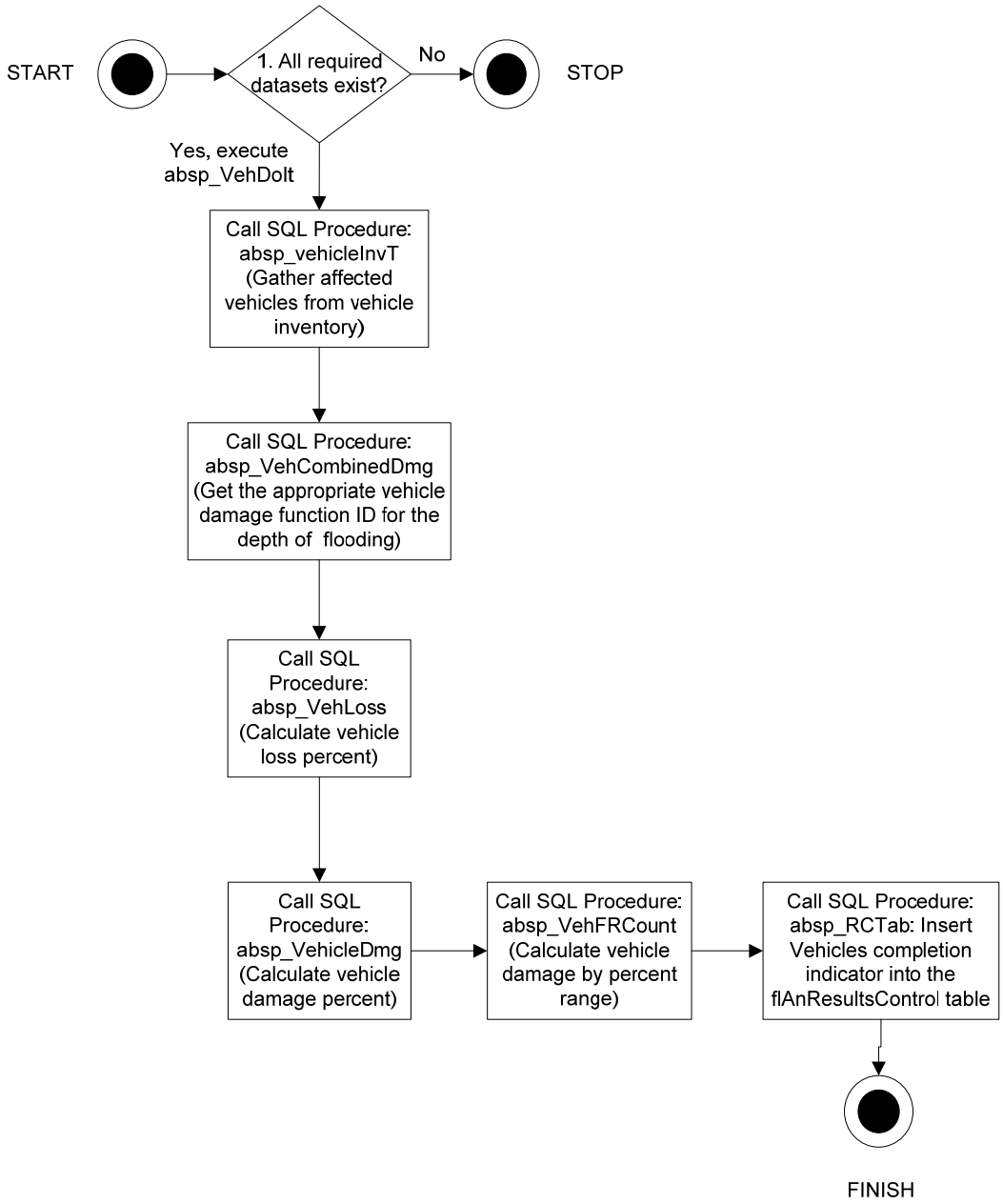

Figure 3-116 Vehicles

3.1.2.3.12 Indirect Economic Loss Model (hzFIAnIELM) Library

The Indirect Economic Loss (IELM) Library was designed utilizing the EQ IELM. For more information see HAZUS Earthquake SDD.

3.1.3 Presentation Layer Design Description

The Presentation Layer design is described in 3.1.3.1 Entry Points (hzFlEntryPoints) Library, 3.1.3.2 Tabular Data Browser (hzFlBrowser) Control and Data Browser Dialog (hzFlBrowserDlg) Libraries, 3.1.3.3 Miscellaneous C++ Dialogs (hzFlMiscDlgs) Library, 3.1.3.4 Miscellaneous VB Dialogs (hzFlVbDialogs) Library, 3.1.3.5 Map Control (hzFlMapControl) Library, and 3.1.3.6 User Interface Control (hzFlUIControl) Library. More emphasis is placed on the Tabular Data Browser (hzFlBrowser) Control and Data Browser Dialog (hzFlBrowserDlg) Libraries as this control was designed by the EQE International Software Development Group.

3.1.3.1 Entry Points (hzFlEntryPoints) Library

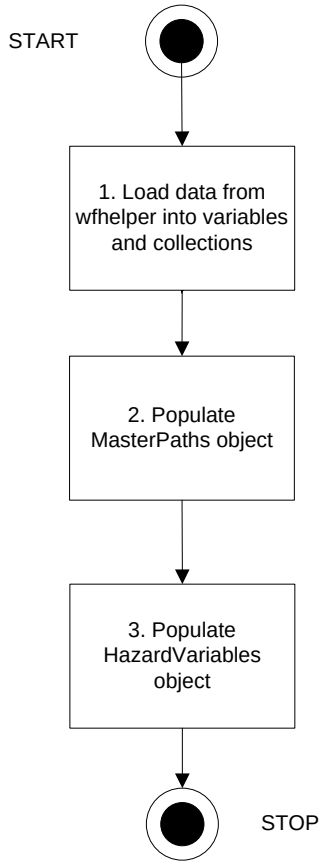

Figure 3-117 Common Interfaces

3.1.3.2 Tabular Data Browser (hzFlBrowser) Control and Data Browser Dialog (hzFlBrowserDlg) Libraries

The HAZUS Flood Dynamic Browser in the HAZUS Flood model is used to view and edit all of the data tables. The HAZUS Flood model allows the user to view and sometimes edit the vast array of data tables. Rather than creating a separate dialog for each combination of controls and grids and tables, a single flexible dialog was created. The ESRI ArcMap is extended to include new menus and menu items, many of which will display a dialog containing one or two grids of table data and various controls that will differ depending on the specific menu item selected. Rather than designing and programming a new dialog for each menu function, a single dynamic dialog is used. The dialog contains an ActiveX Form control, and the properties and methods of the ActiveX control causes the appropriate controls on the form to be made visible or invisible. The initial values of all of the properties are defined in a database table with records grouped by a layout key. When a menu item is clicked, an associated *Tag* for the item is the layout key. The records associated with the key are then read and interpreted to affect the behavior and visibility of the form's controls.

The main controls on the form is *FarPoint Spread* Spreadsheet controls, and these controls are programmed to display and edit the specific database tables and views required for the selected layout. The layout provides all of the information required to build a query, label the column headers and format the data. The other controls on the form are tab controls, combo boxes, push buttons and radio buttons. These controls are initialized appropriately using the definitions of the current layout.

3.1.3.2.1 Dialog Design

3.1.3.2.1.1 Dialog Controls

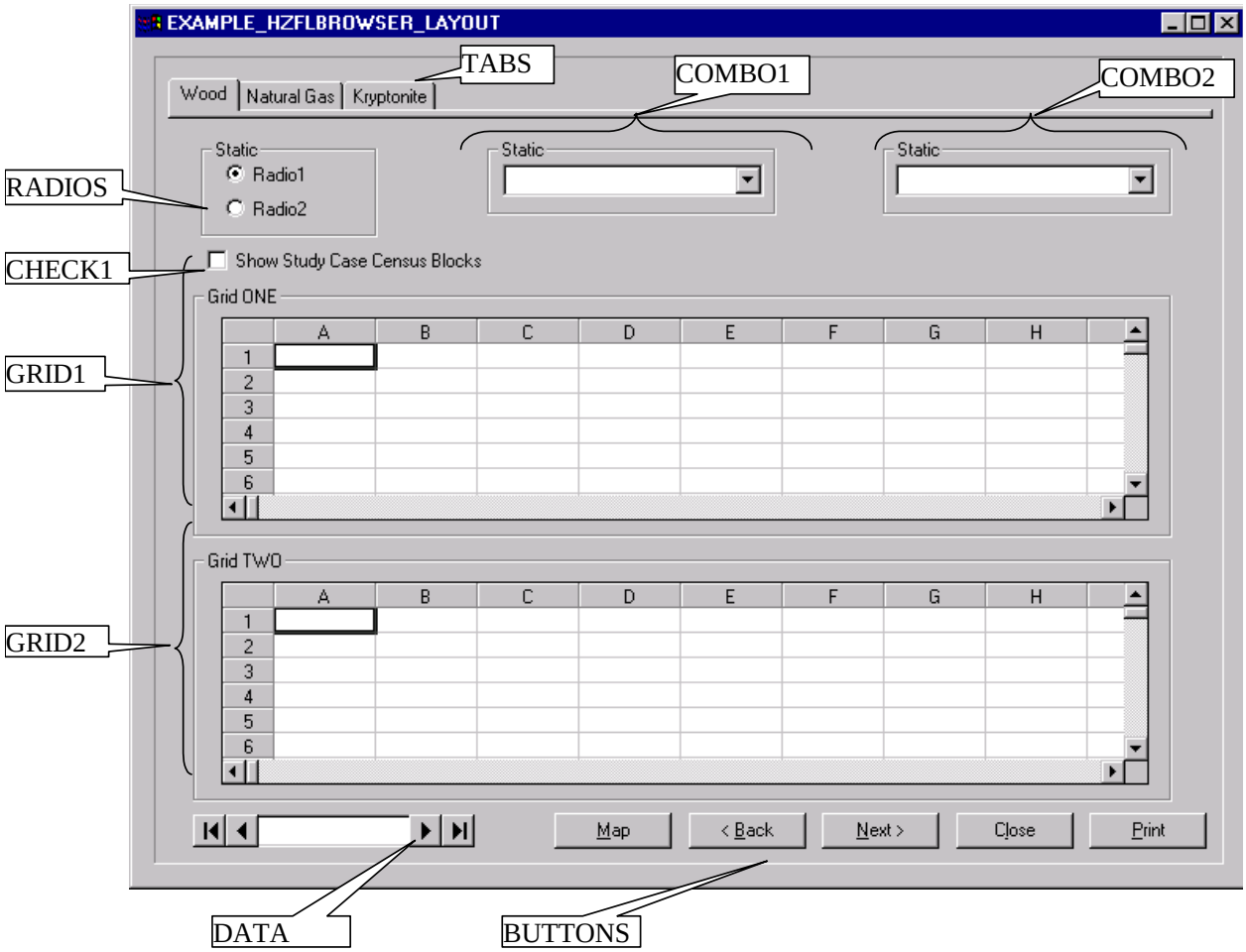

Figure 3-118 Dynamic Browser Diagram

A Browser layout is defined by the properties of the available controls. Some properties apply to every type of control and some properties only apply to specific controls. The table *flBrowserControl* in the HAZUS Flood is basically a property list where the properties for a given layout are grouped by a LAYOUT_NAME.

The properties of each type of control are described below.

3.1.3.2.1.1.1 Individual Layout Properties

The diagram in Figure 3-118 Dynamic Browser Diagram shows the general layout of the controls and has callouts for each major control area. This section describes the available controls and their properties.

Each of the following sections describes one of the controls. The reader should keep in mind that all of the controls are grouped together into a single layout because all of the property records share the same LAYOUT_NAME.

3.1.3.2.1.1.1.1 Properties Available for All Controls

The following properties are optional and may be applied to any control.

Table 3-21 Properties Available for All Controls

Control	Property	Value	Comment
(all controls)	VISIBLE	True/False	Make a control visible or invisible. This property is only necessary if there are no other properties listed for a control in the current layout. Unless this property is provided and set to False, the control will be made visible if the control has any other property mentioned in the layout. Default Value = True
(all controls)	ENABLED	True/False	Make a control enabled or disabled. Default Value = True
(all controls)	BASE	Reference String	This property is used to form an inheritance chain to avoid duplication of properties. The value is the name of a layout that defines properties that pertain to the control. The base property definitions are loaded first and then overridden and/or extended by the current control's property definitions. The BASE layout itself may have a BASE property to allow infinite inheritance.

3.1.3.2.1.1.1.2 Tab Controls

Some of the layouts use tab controls to associate related sets of layouts together. Each layout that uses the tab control must define the TABS control properties. The properties are used to set the labels and define which layout to load as each tab is selected.

Table 3-22 Properties Available for Tab Controls

Control	Property	Value	Comment
TABS	LABELn	String	LABEL1,LABEL2,…LABELn Defines the labels for the tabs. The largest "n" value defines the number of tabs, and for each tab there should be a corresponding LAYOUTn property.
TABS	LAYOUTn	Layout Name	LAYOUT1,LAYOUT2,…,LAYOUTn Each member of the list will be the name of a layout to load when a tab is selected.
TABS	FIRST_TAB	Number	The first time a browser is displayed, the initial tab to select is given. Default = 1.
TABS	ENABLEDn	True/False	Enabled1, Enabled2,…,Enabledn. Each tab may be individually disabled or enabled. Default = true (not implemented)

The following table lists various TABS control LABELn sets. These are example layouts to be referenced by TABS.BASE properties to define the tab labels. Each TABS.LABELn property implies that the layout will also define a TABS.LAYOUTn property that declares the name of the layout to load when the tab is clicked.

Table 3-23 Example Layout Values for TABS LABELn Properties

Layout Name	Control	Property	VALUE
			The following layouts use OCCPY-BLDGTYPE: • General Building Stock Dollar Exposure (Replacement Value). • General Building Stock Dollar Exposure (Depreciated Value). • General Building Stock Building Count.
OCCPY-BLDGTYPE	TABS	LABEL1	By Occupancy
OCCPY-BLDGTYPE	TABS	LABEL2	By Building Type
			The following layouts use REPL-COST: • RS Means Regional Cost Factors (1 of 6)

Layout Name	Control	Property	VALUE
REPL-COST	TABS	LABEL1	Replacement Cost
REPL-COST	TABS	LABEL2	RES1 Construction Weights
REPL-COST	TABS	LABEL3	RES1 Replacement Cost
			The following layouts use BASEMENTS: • Basement Distribution (5 of 6)
BASEMENTS	TABS	LABEL1	Riverine Basements
BASEMENTS	TABS	LABEL2	Costal Basements
			The following layouts use FOUNDATION_HEIGHT: • Foundation Height by Type
FOUNDATION_HEIGHT	TABS	LABEL1	Riverine
FOUNDATION_HEIGHT	TABS	LABEL2	Coastal
			The following layouts use STRUCT_TYPE: • Structure Type Distribution (1 of 4)
STRUCT_TYPE	TABS	LABEL1	Specific-Building Type
STRUCT_TYPE	TABS	LABEL2	Census/Mapping Scheme
STRUCT_TYPE	TABS	LABEL3	General Specific
			The following layouts FOUNDATION_TYPE: • Foundation Type Distribution (4 of 4)
FOUNDATION_TYPE	TABS	LABEL1	Residential
FOUNDATION_TYPE	TABS	LABEL2	Commercial
FOUNDATION_TYPE	TABS	LABEL3	Industrial
			The following layouts ESS_FAC: • Restoration Functions for Essential Facilities • Essential Facilities Inventory
ESS_FAC	TABS	LABEL1	Medical Care Facilities
ESS_FAC	TABS	LABEL2	Emergency Response
ESS_FAC	TABS	LABEL3	Schools
			The following layouts use HIGH_POT: • High Potential Loss Facilities Inventory
HIGH_POT	TABS	LABEL1	Dams_Levees
HIGH_POT	TABS	LABEL2	Nuclear Power Plants
HIGH_POT	TABS	LABEL3	Military Installations
			The following layouts use TRANSPORTATION: • Transportation Systems Inventory

Layout Name	Control	Property	VALUE
TRANSPORTATION	TABS	LABEL1	Highway
TRANSPORTATION	TABS	LABEL2	Railway
TRANSPORTATION	TABS	LABEL3	Light Rail
TRANSPORTATION	TABS	LABEL4	Bus
TRANSPORTATION	TABS	LABEL5	Port
TRANSPORTATION	TABS	LABEL6	Ferry
TRANSPORTATION	TABS	LABEL7	Airport
			The following layouts use UTIL_SYS: • Utility Systems Inventory
UTIL_SYS	TABS	LABEL1	Potable Water
UTIL_SYS	TABS	LABEL2	Waste Water
UTIL_SYS	TABS	LABEL3	Oil
UTIL_SYS	TABS	LABEL4	Natural Gas
UTIL_SYS	TABS	LABEL5	Electric Power
UTIL_SYS	TABS	LABEL6	Communications
			The following layouts use GBS: • General Building Stock Depth-Damage Functions • General Building Stock by Occupancy
GBS	TABS	LABEL1	Structure
GBS	TABS	LABEL2	Contents

3.1.3.2.1.1.1.3 Radio Buttons

Some of the layouts use radio buttons to select different filters or different views. Each layout that uses the radio button control must define the RADIOS properties.

The RADIOS control is a combination control consisting of two radio buttons, a static label control and a group box. The following properties are defined for the RADIOS controls:

Table 3-24 Properties Available for Radio Controls

Control	Property	Value	Comment
RADIOS	LABEL	Groupbox Label	Optional. The text displayed as the title above the radio buttons.
RADIOS	LABEL1	First Radio Label	The text displayed for the first radio button
RADIOS	LABEL2	Second Radio Label	The text displayed for the second radio button

Control	Property	Value	Comment
RADIOS	VALUE	0 or 1	Default Radio number to select
RADIOS	POSITION	Left or Right	The control is positioned on the left side or the right side of the dialog (not implemented)
RADIOS	BEHAVIOR1	Layout Name	When radio 1 is selected, the behavior is to load the named layout (In the future, this property might have to define a filter behavior instead of a load behavior. Not implemented.)
RADIOS	BEHAVIOR2	Layout Name	When radio 2 is selected, the behavior is to load the named layout (In the future, this property might have to define a filter behavior instead of a load behavior. Not implemented.)

The layouts that use the radio controls are:

- General/Specific – with no label.

  When the option button General Occupancy is selected values shall be "rolled-up" from the Specific Occupancy, which are calculated using the square footage factors and the total square foot by specific occupancy.

  What this means is the headings changed from RES1, RES2, etc., to a single rolled up Residential total.
- Pre-FIRM/Post-FIRM – labeled as "Design Level:"
- County/SubCounty – Uses a Group Box labeled "Select view option"

The SRS for HAZUS Inventory Menu, Agriculture Submenu, County Dialog shows County and SubCounty radios select completely different LAYOUTs or they show/hide the SubCounty and Ag Area columns.

3.1.3.2.1.1.1.4 Combo Boxes

Most layouts have a single combo box and a few layouts have two. The combo boxes are labeled either with a static label on the left of the box or by a surrounding group box. A property controls which type of labeling to use for a layout.

Combo boxes are filled from either a list of strings defined in the control's properties or are filled from an SQL query.

The behavior associated with selecting a combo box item may be to re-query a table or view with a different filter, or it may be to select a new layout.

Combo boxes support the following properties.

(Note: COMBOn is either COMBO1 or COMBO2)

Table 3-25 Properties Available for Combo Box Controls

Control	Property	Value	Comment
COMBOn	LABEL	Combo box label	The text that labels the combo box
COMBOn	LABEL_TYPE	0, 1 or 2	0 = No label 1 = Labeled with a Group Box 2 = Labeled with a static Label
COMBOn	FILL_TYPE	0 or 1	How the combo is filled. 0 = filled from a list of ITEMn property records. 1 = CountyFips combo filled from hzCounty 2 = filled from an SQL query defined by QUERY property
COMBOn	ITEMn	String	ITEM1,ITEM2,…ITEMn When FILL_TYPE=0, the list of items is filled from the ITEMn records. Each item should have an associated LAYOUTn or FILTERn property depending on the ACTION_TYPE property.
COMBOn	QUERY	String	For FILL_TYPE=2, contains an SQL Query that will return a set of records containing a string to display and an identifier that will be added as a filter against the grid tables or views.
COMBOn	VALUE	Number	The first time a browser is displayed, the initial item in the list of items to select is given. Default = 1.
COMBOn	ACTION_TYPE	Number	0 = A Where Clause added to the Query from the FILTERn property value. (OBSOLETE) 1 = Causes a new Layout to be loaded from the LAYOUTn property. 2 = A new layout name is constructed from PREFIX property. All combos with ACTION_TYPE = 2 are concatenated in order COMBO3, COMBO2, COMBO1. 3 = The contents of the current selection is substituted in %COMBOn% in the current query. Example: SELECT * FROM FRED WHERE BARNEY = '%COMBOn%' 4 = The contents of the current selection's FILTERn property is concatenated onto the current GRIDn.QUERY. The filter must be formatted as "AND xxxx = 'Y'"

Control	Property	Value	Comment
COMBOn	LAYOUTn	String	When ACTION_TYPE = 1, the name of the layout associated with the currently selected list item. When ACTION_TYPE = 2, a new LAYOUT_NAME is constructed and loaded. The LAYOUTn value is concatenated behind the combo's PREFIX property. Any other combo with ACTION_TYPE=2 will also have its LAYOUTn value added. The Combos are strictly used in descending order COMBO3, COMBO2 and COMBO1. See Exposure Layouts example, below.
COMBOn	PREFIX	String	When ACTION_TYPE = 2 a new Layout name is constructed by concatenating the Prefix followed by the current LAYOUTn property.
COMBOn	FILTERn	String	When ACTION_TYPE=4 then the indexed filter is added to the current query. The value must be in the form: "AND xxxx = 'y'"
COMBOn	WIDE	True/False	Set WIDE=True for longer combos. Default = False

Exposure Layout Examples

ACTION_TYPE 2 combos to control Building versus Content versus Total and also General versus Specific Occupancies are named as follows:

Layout_Name	Control	Property	Value
INV_GBS_DEP_EXPO_T1	COMBO2	ACTION_TYPE	2
INV_GBS_DEP_EXPO_T1	COMBO2	LAYOUT1	Bldg
INV_GBS_DEP_EXPO_T1	COMBO2	LAYOUT2	Cont
INV_GBS_DEP_EXPO_T1	COMBO2	LAYOUT3	Totl
INV_GBS_DEP_EXPO_T1	COMBO3	ACTION_TYPE	2
INV_GBS_DEP_EXPO_T1	COMBO3	BASE	GEN_SPECIFIC_COMBO
INV_GBS_DEP_EXPO_T1	COMBO3	LAYOUT1	Gen
INV_GBS_DEP_EXPO_T1	COMBO3	LAYOUT2	Spc
INV_GBS_DEP_EXPO_T1	COMBO3	VALUE	1
INV_GBS_DEP_EXPO_T1	GRID1	TITLE	General Building Stock Exposure (thous. dollars)
INV_GBS_DEP_EXPO_T1	GRID1	VIEW	absv_InvGBSExposureBldgGOccup
INV_GBS_DEP_EXPO_T1	LAYOUT	BASE	INV_GBS_DEP_EXPO_BASE

Layout_Name	Control	Property	Value
INV_GBS_DEP_EXPO_T1	LAYOUT	PREFIX	INV_GBS_DEP_EXPO_T1
INV_GBS_DEP_EXPO_T1	TABS	FIRST_TAB	1
INV_GBS_DEP_EXPO_T1_Gen_Bldg	COMBO2	VALUE	1
INV_GBS_DEP_EXPO_T1_Gen_Bldg	COMBO3	VALUE	1
INV_GBS_DEP_EXPO_T1_Gen_Bldg	GRID1	VIEW	absv_InvGBSDepExposureBldgGOccup
INV_GBS_DEP_EXPO_T1_Gen_Bldg	LAYOUT	BASE	INV_GBS_DEP_EXPO_T1
INV_GBS_DEP_EXPO_T1_Gen_Cont	COMBO2	VALUE	2
INV_GBS_DEP_EXPO_T1_Gen_Cont	COMBO3	VALUE	1
INV_GBS_DEP_EXPO_T1_Gen_Cont	GRID1	VIEW	absv_InvGBSDepExposureContentGOccup
INV_GBS_DEP_EXPO_T1_Gen_Cont	LAYOUT	BASE	INV_GBS_DEP_EXPO_T1
INV_GBS_DEP_EXPO_T1_Gen_Totl	COMBO2	VALUE	3
INV_GBS_DEP_EXPO_T1_Gen_Totl	COMBO3	VALUE	1
INV_GBS_DEP_EXPO_T1_Gen_Totl	GRID1	VIEW	absv_InvGBSDepExposureTotalGOccup
INV_GBS_DEP_EXPO_T1_Gen_Totl	LAYOUT	BASE	INV_GBS_DEP_EXPO_T1
INV_GBS_DEP_EXPO_T1_Spc_Bldg	COMBO2	VALUE	1
INV_GBS_DEP_EXPO_T1_Spc_Bldg	COMBO3	VALUE	2
INV_GBS_DEP_EXPO_T1_Spc_Bldg	GRID1	EDITABLE	True
INV_GBS_DEP_EXPO_T1_Spc_Bldg	GRID1	VIEW	absv_InvGBSDepExposureBldgSOccup
INV_GBS_DEP_EXPO_T1_Spc_Bldg	LAYOUT	BASE	INV_GBS_DEP_EXPO_T1_SPECIFIC
INV_GBS_DEP_EXPO_T1_Spc_Cont	COMBO2	VALUE	2
INV_GBS_DEP_EXPO_T1_Spc_Cont	COMBO3	VALUE	2
INV_GBS_DEP_EXPO_T1_Spc_Cont	GRID1	EDITABLE	True
INV_GBS_DEP_EXPO_T1_Spc_Cont	GRID1	VIEW	absv_InvGBSDepExposureContentSOccup
INV_GBS_DEP_EXPO_T1_Spc_Cont	LAYOUT	BASE	INV_GBS_DEP_EXPO_T1_SPECIFIC
INV_GBS_DEP_EXPO_T1_Spc_Totl	COMBO2	VALUE	3
INV_GBS_DEP_EXPO_T1_Spc_Totl	COMBO3	VALUE	2
INV_GBS_DEP_EXPO_T1_Spc_Totl	GRID1	EDITABLE	False
INV_GBS_DEP_EXPO_T1_Spc_Totl	GRID1	VIEW	absv_InvGBSDepExposureTotalSOccup
INV_GBS_DEP_EXPO_T1_Spc_Totl	LAYOUT	BASE	INV_GBS_DEP_EXPO_T1_SPECIFIC
INV_GBS_DEP_EXPO_T1_SPECIFIC	COLINFO1	COL1	TotalExposure

Layout_Name	Control	Property	Value
INV_GBS_DEP_EXPO_T1_SPECIFIC	GRID1	COLINFO	COLINFO1
INV_GBS_DEP_EXPO_T1_SPECIFIC	GRID1	EDITABLE	True
INV_GBS_DEP_EXPO_T1_SPECIFIC	LAYOUT	BASE	INV_GBS_DEP_EXPO_T1
INV_GBS_DEP_EXPO_T1_SPECIFIC	TotalExposure	EditType	none
INV_GBS_DEP_EXPO_T1_SPECIFIC	TotalExposure	FORMULA	SUM(RC3:RC35)
INV_GBS_DEP_EXPO_T1_SPECIFIC	TotalExposure	Number	2

The following bullet list summarizes the Combo Boxes defined in the HAZUS Flood:

- Select county to edit, in a group box. Example,
  Galveston (48167)
- Select county:, in a group box. Example,
  Galveston (48167)
- County (label). Example,
  Galveston (48167)
- Age Distribution for County, in a group box, Example,
  Galveston (48167)
- County Building Design level, in a group box, Example,
  Galveston (48167)
- Exposure type (label)
  (Building, Contents, Total)

  From SRS:

  The Exposure Type combo type to allow the user to view values for Building, Contents, and Total (the summation of the previous two items). Building shall be the default.
- Construction Quality: in a group box.
  (Average, Good, Poor)

  From SRS HAZUS Inventory Menu, General Building Stock Submenu, Depreciation Parameters Dialog Stream, Depreciation Functions Dialog:

  Selection allows the user to view and edit functions for that specific construction quality
- Occupancy (label).
  (RES1, RES2, RES3A, RES3B, RES3C, RES3D, RES3E, RES3F, RES4, RES5,

RES6), (COM1, COM2, COM3, COM4, COM5, COM6, COM7, COM8, COM9, COM10), (IND1, IND2, IND3, IND4, IND5, IND6)

- Table Type (label)
  (Dams, Levees),
  (Highway Bridges, Highway Tunnels, Highway Segments),
  (Railway Bridges, Railway Facilities, Railway Tunnels, Railway Segments),
  (Light Rail Bridges, Light Rail Facilities, Light Rail Tunnels, Light Rail Segments),
  (Airport Facilities, Airport Runways),
  (Potable Water Systems Facilities, Potable Water Network System Pumps, Control Vaults and Control Stations, Potable Water Network System Tanks, Potable Water Network System Wells, Potable Water Pipelines Segments),
  (Waste Water Treatment Plants, Waste Water Lift Stations, Controls Vaults and Control Stations, Waste Water Collection System),
  (Oil Refineries, Oil Pumping Plants, Oil Tank Farm, Oil Control Vaults and Control Stations, Oil Pipelines),
  (Compressor Plants, Control Vaults and Control Stations, Natural Gas Pipelines),
  (Electric Plants, Power Transmission Cables),
  (Central Offices and Switching Stations, Control Vaults and Control Stations, Communication Distribution Network)

The SRS has the following special note on the Transportation Systems Inventory:

Note: When viewing Highway Segments, the right mouse functionality shall only allow the user to view the data dictionary.

- Study Case Analysis (label)
  (Specific Return Period / Discharge),
  (Annualized Loss)
- Hazard Type: (label)
  (Riverine, Costal A Zone, Costal V Zone)
- <Unlabelled on Analysis\General Building Stock\By Occupancy>
  (Residential, Commericial, Industrial, Agriculture, Religion, Government, Education)
- Return Period (label)
  (500-yr, 100-yr, 50-yr, 10-yr)

3.1.3.2.1.1.1.5 Check Boxes

This section lists the properties for check boxes.

Currently only a single checkbox is defined. This is the checkbox labeled “Show Study Case Census Blocks.”

Table 3-26 Properties Available for Checkbox Controls

Control	Property	Value	Comment
CHECK1	VALUE	True/False	The checkbox initial state. Checked is true and unchecked is false. Default = false

Note, the behavior of the checkbox, as stated in the SRS, is as follows:

> *Dialog shall have a check box that allows the user to display only those census blocks within an open study case. Default is unchecked thereby showing the study region to the user. Once a study case is open selection of this box shall change the display to show only those census blocks intersecting the flood depth grid boundaries for the study case.*

3.1.3.2.1.1.1.6 Text Boxes

From SRS HAZUS Inventory Menu, General Building Stock Submenu, Occupancy Mapping Parameters Dialog Stream, Design Level Dialog:

> *A text box shall be added displaying the date the community entered into the NFIP program. This will allow the user to modify the date should they want to establish another date for the distribution.*

(not implemented)

3.1.3.2.1.1.1.7 Grid Controls

Most layouts have a single grid control with the following exception that has two grid controls:

- Hazard\Show Current Scenario
  (Selected River Reaches, Selected Riverine FIT Polygons),
  (Selected Costal Shorelines, Selected Coastal FIT Polygons)

Two categories of properties are defined for the Grid controls. They are grid properties and column properties.

- The grid properties define the table or view to query, the title above the grid, the initial sort order and whether or not the grid is editable. Special row properties to define blank rows and row-level validation formulas are also overall grid properties.
- Column properties define the heading, visibility, display format, data field or formula and validation rule of each column.

The following are available properties for each grid defined in a layout. GRIDn is either GRID1 or GRID2.

Table 3-27 Properties Available for Grid Controls

Control	Property	Value	Comment
GRIDn	VIEW	View name	The name of the view to associate with the grid. If the name ends in ".txt", it is the name of a text file containing grid data. Otherwise, it is the name of database VIEW. If the name ends in ".mdb", it is the name of an access database. The property TABLENAME contains the table to view in this case. By default, a "select * from %VIEW%" query is generated, substituting the VIEW property value in %VIEW%.
GRIDn	TABLENAME	Table name	The name of a table. It is passed to a LIBRARY button's dialog. The table should be used by the VIEW definition. If VIEW property is missing, a select query is generated using the TABLENAME property.
GRID	QUERY	Valid SQL	The query used to populate the grid. If present, this query replaces the default query. The query may have %n% codes, which will be substituted with the current value of a control or property. The query may have embedded "\n" codes to force a new line. Current %n% codes are: %COMBO1% %COMBO2% %COMBO3% %VIEW% %COLn% -- the nth column header name is substituted.
GRIDn	TITLE	Grid title	Title displayed in the group box surrounding the grid.
GRIDn	EDITABLE	True/False	True to allow the context menu to enable add/delete rows and individual column editing. False to prevent any editing. Default = False.
GRIDn	HEIGHT	Number of rows	Number of visible rows in the grid. (not implemented)
GRIDn	COLINFO	Column Collection Name	This property contains the name of a pseudo control that defines a column collection. A column collection defines special properties for each defined column. When special properties are necessary for some grid columns, the GRIDn property COLINFO will contain the name of a column collection. The collection will have one entry for each column that has a special property. Typically the name of the collection is "COLINFO1". See Column Collection.
GRIDn	ORDERBY	Order By Clause	If present, is added to the SQL query. Can use column numbers or names that are present in the query. Typically, a view will have a SORTORDER column that can be defined by the ORDERBY property.

Control	Property	Value	Comment
GRIDn	FILTERCOUNT	Count of Filters	Number of additional filters. Expect a FILTERn for each.
GRIDn	FILTERn	Valid WHERE clause	The filter is added to the query WHERE clause. For example: AND A0103.COUNTRY_ID <> 'XX'
GRIDn	BLANKROW	Comma list of row numbers	A blank line is inserted at the specified rows (numbers start at 1). For example, to insert a blank after the first row, set BLANKROW = 2. Insert a blank after row 4 and row 5, set BLANKROW = 4,5. NOT IMPLEMENTED
GRIDn	VALIDATE	Row validate method. ROW_SUM=<x>	Defines an optional row validation method. The method will have two parts; the first part is what constitutes a valid row (e.g., All columns must sum to 100), and the second part is what must happen on an invalid row (e.g., the row turns red or a warning dialog will appear). Currently, only ROW_SUM row validation is supported. ROW_SUM =1.0 will require all columns to total 1. ROW_SUM =100 will require all columns to total 100. When ROW_SUM validation fails, a "validation error" message is displayed. Default = none
GRIDn	DECIMALS	Number	Number of decimal places to show in all numeric fields. Used only by Damage Function layouts.
GRIDn	DEC_RANGE	Low:high range	The range of minimum and maximum column numbers to have the DECIMALS property applied.
GRIDn	POINTDATA	Package:Tablename	Used by the MAP button for Point layer data. The code must be in the format "Package:Tablename". The symbols used by ArcMap to map a site are looked up using this code. Known package names: EF, GBS, HPLF, TRN, UTIL. Example: TRN:hzAirportFlty
GRIDn	TOP_TOTAL		An obsolete idea. It was to indicate that a TOP row should be created containing the sum of each numeric column.

3.1.3.2.1.1.1.7.1 Validate Issues

Special note for the Build Count by Building Type dialog:

> *All values within the Building Count Dialog are editable except for the Census Block column. Users who chose to edit the Building Count data shall be warned that the count will no longer relate to the total square*

footage of the census block and if they desire to maintain this link the edits should occur in the Square Footage

The SRS has some dialogs that do something when focus is lost. For Example, on the Valuation Parameters Dialog Stream: Basement Distribution Dialog:

Each row shall add up to 100% for any given census block (row). If the user modifies the values to where it no longer adds up to 100%, an error dialog shall be displayed upon selection of command buttons <Back, Next>, or Close or switching of tabs.

Another SRS behavior, this time for the < Depreciation Parameters Dialog Stream: Median Age for Depreciation Dialog > dialog:

The dialog shall look at the system clock to identify the current year and subtract the system clock from the Median Age to determine values in the Age (Years) column.

Another SRS behavior, this time for the HAZUS Inventory Menu, General Building Stock Submenu, Occupancy Mapping Parameters Dialog Stream, Foundation Type Distribution Dialog, Residential Tab dialog:

If the basement to non-basement foundation types are changed by the user a warning dialog shall alert the user to the potential impact on the valuation. The user will have the option of making changes here and modifying the baseline valuation or making changes in the valuation dialog stream.

Editor Validation info from SRS HAZUS Inventory Menu, Essential Facilities Inventory Dialog, Medical Care Facilities Tab:

The model will check to ensure that field required for analysis such as location (lat/long), basement, first floor height, and damage function are filled with proper values. The model will not allow the user to save the data if these fields are incomplete. An error message will notify the user of the problem.

3.1.3.2.1.1.1.8 Column Collection

Each grid used by a layout may have an optional column collection assigned to it. A column collection defines how many columns there will be in the grid that has special properties. The column collection is assigned a name with the GRID.COLINFO property. Typically the name “COLINFO1” is the collection name assigned to the pseudo control property.

Table 3-28 Properties Available for a Column Collection

Control	Property	Value	Comment
(columns)	COLn	Column Definition Name	This property is the name of a column. It is the name that refers to a list of properties defined for the column. There does not have to be a property for every column in a grid. Only the columns with special requirements (like EDITTYPE) need to be in the definition. It doesn't matter what order the columns are defined, but they must be sequentially numbered starting with "COL1". The value is the name of a pseudo control which has the column's properties.

3.1.3.2.1.1.1.9 Column Definitions

Each column defined in a column collection has many properties. A column definition is the name of a pseudo control whose properties define the column.

The following properties may be defined for each column definition.

Table 3-29 Properties Available for Column Definitions

Control	Property	Value	Comment
(column name)	NUMBER	Name or Number	If the column name is the actual name of a column in the current view, this property is unnecessary. If the column name is a pseudo name (an alias), then this property may be either a number or a name. It is either the actual column number in the view, or it is the actual column name in the view. In other words, NUMBER is either the column number or it is the grid heading. If it is not a number, the gird heading must be found in the grid column headings so that the column number can be determined.
(column name)	HEADING	Column Heading	Text to appear in the grid column header. Use '\n' to start a new line as in "Line\nOne". Use "%x%" to have the header filled by a variable whose name is x. For example, a grid could change the first column header depending on the selection of COMBO1 by defining the HEADING for COL1 as "%COMBO1%". (This feature was important to GAP, but may be unnecessary for HAZUS) Use "%%" for a literal percent character. Predefined variables exist for each Combo Box. For example, %COMBO1% will substitute the currently selected text in COMBO1. Obsolete

Control	Property	Value	Comment
(column name)	FORMAT	Column Format	Format of each column. Three part string "TAformat" • T= Data Type: A=Alpha, N=Numeric, M=Monetary (converted to currently configured units), C=Combo Box • A= Alignment (L=Left, C=Center, R=Right) Format= Display Format. For Alpha fields it is the number of characters to display. For numeric fields it is a picture statement per JAVA DecimalFormat rules (e.g., "#,##0.0") Not Implemented
(column name)	DBTYPE	Database type code	Data Base Type (Data field or Formula) 0=Data Field or Foreign-Table Field expression 1=Formula Not Implemented
(column name)	DBFIELD	Database or or field expression	If DBTYPE = 0, this is the name of a field in the current table. Can include SQL functions and CASE..WHEN syntax. If DBTYPE=1, this is a formula expression compatible with a Farpoint Grid. Not Implemented
(column name)	EDITTYPE	Edit type code	• *None* = This column cannot be edited. • *Text* = (Default)Any legal string • *List* = A combo box with a list of acceptable items. Requires a COMBO_LIST property. • *Bool* = A Checkbox is used for the column. The optional BUDDY property associates another column to this one. The buddy column is automatically set to the opposite state of this column.
(column name)	COMBO_LIST	Combo List Name	The name of a list used when EDITTYPE="List". The name is a reference to a COMBO_LIST property set. The following properties must be assigned to a pseudo control having the name given by the COMBO_LIST: See the section on COMBO Boxes for more detail. FILL_TYPE (0 or 2) QUERY (when FILL_TYPE = 2) ITEMn (when FILL_TYPE = 0)
(column name)	BUDDY	Associate column name	This property is optional. When EDITTYPE=Bool for a column, this property contains the name of another column in the collection to be associated with this column. When this column is toggled, the associated column is set to the opposite state of this column.
(column name)	MAP	Map Type	None (default) Point Shade

Control	Property	Value	Comment
(column name)	RANGE	Allowable values	Used with numeric fields. Contains a comma list of values and ranges. Colons indicate ranges (low:high) Less than (<) and Greater than (>) symbols may be used when the range has no top or bottom limit. Examples: 100:200 5,10,15,20,30:40,>100 <-550,-5, 0:300,>500 Note: Only "<low>:<High>" form is currently implemented.
(column name)	SCALE	Integer	For numeric fields, specifies the minimum number of digits after the decimal point when an arithmetic result is truncated to the maximum PRECISION. Not implemented
(column name)	PRECISION	Integer	For numeric fields, the total number of digits to the left and right of the decimal point. Not implemented
(column name)	VISIBLE	True/False	True or False Default = True

3.1.3.2.1.1.1.10 Buttons

The button controls have predefined behaviors that are described in the following paragraphs. A layout uses any button control that has either the VISIBLE or ENABLED properties. With one exception (the NEXT button), the name of a control is the same as the button's caption, but using a capital letters (e.g., "CLOSE" for the *Close* button).

Before a button's normal action is executed, the current layout's validation routines are run and if any user entry is illegal or if changes to the data have not been written to the database yet, a warning dialog is displayed and the user is given the opportunity to save the changes.

From the SRS regarding the RS Means Regional Cost Valuation Parameters dialog:

> *Each row shall add up to 1 (one) representing 100% for any given income ratio (row). If the user modifies the values to where it no longer adds up to 1, an error dialog shall be displayed upon selection of command buttons Next>, or Close or switching of tabs.*

From the SRS:

> *Selection of the Close command button will close the dialog. If the user has chosen to make edits, or restored defaults, a dialog will open asking the user if they wish to save changes. An affirmative selection will open a*

standard explorer dialog to allow the user to save changes under another name. If the user is restoring defaults, the dialog will merely revise the study regions parameters to reflect a return to the default values.

3.1.3.2.1.1.1.10.1 Close

The *Close* button normally closes the browser dialog. A special behavior is also available that makes the *Close* button load the previous layout that invoked the current layout. This special behavior is triggered by a property on a "Next" button, described below.

3.1.3.2.1.1.1.10.2 Import

This button will perform the same function as described below for the *Import* context menu. See Section 3.1.3.2.1.2.4.

3.1.3.2.1.1.1.10.3 Map

The map button is used to add a layer to the current map. The layer produced will be either a point layer or a thematic shading layer depending on a type argument in the layout. A point layer would be produced, for example, to show all of the hospitals – one per row in the grid. The thematic shading type will enable the Map button only when the user has selected a column containing values. The shading will show the values with different colors representing the value intensities.

Note: The relevant paragraph in the SRS says:

Upon selection of Map, the model shall display as a thematic map the occupancy column selected. If the user has not pre-selected an occupancy column, an error message stating that the user must select an occupancy for mapping shall open. Thematic map shall use ArcGIS default breaks and color selections for display of data.

Also, from the SRS:

If the user has not selected a column to map, a dialog will open requesting the user to select a column and reselect the Map command button.

3.1.3.2.1.1.1.10.4 Print

This button will display the standard print dialog and will print a hard copy version of the displayed records.

3.1.3.2.1.1.1.10.5 Next >

This button will remember the current layout key and load and display a new layout.

The NEXT button has a unique property unavailable for the other button controls. It allows the button to display the caption “Next”, “Finish”, Defaults or “Sqft Factors” and affect the buttons action as described in the following table:

Table 3-30 Next Button Properties

Control	Property	Value	Comment
NEXT	BEHAVIOR	Next behavior code	NEXT (this is the default and not required) FINISH (The button is labeled "Finish" and causes a save and close action) SQFT_FACTORS (The button is labeled "SqFt Factors" and the current layout is remembered and recalled after the NEXT.LAYOUT is closed.) DEFAULTS (The button is labeled “Defaults” and the behavior is very specific and described in Section 3.1.3.2.1.1.1.10.7.
NEXT	LAYOUT	Layout Name	The name of the layout to load when the NEXT button is pressed.

3.1.3.2.1.1.1.10.6 < Back

This button will load and display a new layout. The Back button properties are defined in the following table:

Table 3-31 Back Button Properties

Control	Property	Value	Comment
BACK	LAYOUT	Layout Name	The name of the layout to load when the BACK button is pressed. Should normally be assigned the name of the layout that contained the “Next” button that referenced this layout. In other words, it references the previous layout.

3.1.3.2.1.1.1.10.7 Library

This button is used only the Damage Function layouts. It displays the Damage Function Library editor dialog. The Library button properties are defined in the following table:

Table 3-32 Library Button Properties

Control	Property	Value	Comment
LIBRARY	PARMS	Library Parameters	The following comma-delimited parameters are required. They are passed to the Damage Function Editor. DmgFnTable,XrefTable,DmgFnId Example: flVehDmgFn,flVehDmgXref,VehDmgFnId

3.1.3.2.1.1.1.10.8 Defaults

This button is used by the Sqft Factors dialog (Inventory\General Building Stock\Building Count\General Building Stock Square Footage Factors). It calls a function that "Restores HAZUS03 Default Factors."

From the SRS:

> *Values are editable and the user is asked if they would like the building count to be recalculated when finished.*
>
> *The Restore Defaults command button shall be disabled unless the user has made modifications and is working with a revised dataset previously saved through this dialog.*
>
> *Selection of the Restore Defaults command button opens the default database and recalculates the building count if necessary. It does not replace the user's database as the study region's values unless the user accepts the change when asked upon closing.*

3.1.3.2.1.1.1.10.9 Misc

This button is used to add a special behavior button to a layout. Rather than defining separate buttons for each unique function, a single button with the ability to change its label and function is used. The following table lists the properties of the *Misc* button.

Table 3-33 Next Button Properties

Control	Property	Value	Comment
MISC	BEHAVIOR	MISC behavior code	ADD_OBJECT (The button is labeled "Add Object". It fires an ADD_OBJECT event. When notified of an ADD_OBJECT event, the receiving program can determine what to do from an argument passed in the event.) LIBRARY (The button is labeled "Library" and the current layout is remembered and recalled after the MISC.LAYOUT is closed.)
MISC	LAYOUT	Layout Name	The name of the layout to load when the MISC button is pressed.

3.1.3.2.1.2 Context Menu

Figure 3-119 Browser Context Menu

Some of the behavior of the dialog will be controlled by a context menu that appears when the user clicks on a grid control with the right-mouse button. See Figure 3-119 Browser Context Menu. The number of items in the menu will vary depending on the instructions given in the current layout.

From the SRS (what does this mean?):

> *The user shall be able to restore the defaults through the right mouse button functionality.*

The context menu includes the following menu items:

3.1.3.2.1.2.1 Add New Record

Presents a Location dialog requesting the Latitude and Longitude of the new record, then calls DTI's Add Record function to add a new record. The query is then refreshed and then the browser scrolls to the new row at the bottom of the current grid, and the user may enter a value in each column.

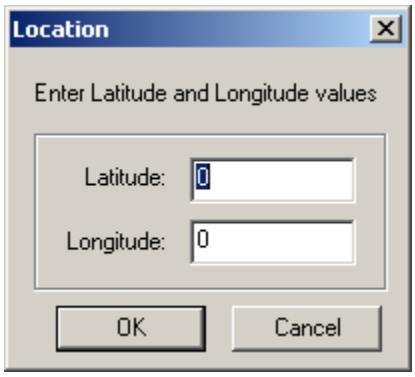

Figure 3-120 Location Dialog

3.1.3.2.1.2.2 Delete Row

This item will be enabled when a row is selected in the current grid. It will remove the selected row.

3.1.3.2.1.2.3 Save

Note: This feature was removed by psb.

The database will be updated by inserting all rows that were added, and deleting any rows marked for delete and replacing any fields with modified columns.

Note: The SRS said the following for the Close menu (not the Save menu)

> *Upon selection of Close, the dialog shall close. If the user has made changes to the data, the user shall be queried if they would like to save changes. If the user selects "Yes", the user will be asked to provide a name for the modified data. This data shall be assigned to the study area and shall override the default data.*

Note: The SRS indicates some interesting Updates will be possible, such as the following rule in the Valuation Parameters Dialog Stream: Basement Distribution Dialog (5 of 6):

Modifications by the user will have a subsequent change on the foundation type table. The reduction or increase in non-basement shall be distributed based on the percentage of non-basement types.

3.1.3.2.1.2.4 Import

This calls DTI's Import function.

```
PDTISHELLLib::IHzShortCutMenuPtr pHzShortCutMenu;

pHzShortCutMenu.CreateInstance(__uuidof(PDTISHELLLib::HzShortCutMenu));

CString tableName = getHzTableName();

pHzShortCutMenu->ShowImportDialog(tableName.AllocSysString());
```

This will start a procedure that allows the user to select a text file or spreadsheet, map the information in the file to the columns of the current grid and load the data from the file into the database.

Note: The relevant paragraph in the SRS says:

Upon selection of Import, a window standard explorer dialog shall open and allow the user to browse for the database file to be imported. Once imported, the file will not be saved until the user selects Close as noted above. The Import feature will allow the user to access BIT data.

The SRS gives this description for the HAZUS Inventory Menu, User Defined Structures Inventory Dialog:

Selection of import shall open a dialog allowing the user to point to a dbf file with their selected data. The model will check data fields to ensure that required data is complete (see next bullet below).

The model will check to ensure that field required for analysis such as location (lat/long), basement, first floor height, and damage function are filled with proper values. The model will not allow the user to save the data if these fields are incomplete. An error message will notify the user of the problem.

3.1.3.2.1.2.5 Data Dictionary

This will display a dialog that shows the column definitions for the current grid to help the user know what are inputs are allowed.

It simply fires an event, FireShowDataDictionary(&recSet).

3.1.3.2.1.2.6 Meta Data

This will display a dialog that shows information about the current view.

It simply fires an event FireShowMetaData(tableName);

3.1.3.2.1.3 Stored Procedures

A single stored procedure is called just after saving a record and also just before presenting a view.

EXEC absp_DoProc viewName, mode

Where *viewName* is the name of the current view and *mode* is either:

1 = MODE_SAVE

2 = MODE_LOAD

3 = MODE_ADD will add the third (@AddArg) argument to the argument list (non-NULL columns Arg1 to Arg10)

The procedure will examine table [syHAZUS] flSPControl to find any entries for the given view and mode. It will execute all stored procedures found in the sequence defined in the table.

Table 3-34 syHAZUS

ViewName	Mode	SequenceId	Call_SQL	Arg1	Arg2	Arg3	Arg4
absv_AgricultureLossCounty	1	1	NULL	NULL	NULL	NULL	NULL
absv_AgricultureLossSubCounty	1	1	NULL	NULL	NULL	NULL	NULL
absv_AirportFlty	1	1	NULL	NULL	NULL	NULL	NULL
absv_AnnualGrossSales	1	1	NULL	NULL	NULL	NULL	NULL
absv_BldgContDmgFn	1	1	NULL	NULL	NULL	NULL	NULL
absv_BldgInvDmgFn	1	1	NULL	NULL	NULL	NULL	NULL
absv_BldgStructDmgFn	1	1	NULL	NULL	NULL	NULL	NULL
absv_BusFlty	1	1	NULL	NULL	NULL	NULL	NULL
absv_BusinessInv	1	1	NULL	NULL	NULL	NULL	NULL
absv_CareFlty	1	1	NULL	NULL	NULL	NULL	NULL
absv_CommBroadcastFlty	1	1	NULL	NULL	NULL	NULL	NULL
absv_CommBroadcastFlty	3	1	absp_UpdateClass	hzCommunicationFlty	UtilFcltyClass	CDFLT	CommunicationFltyId
absv_CommCentralOfficesSwitchingStns	1	1	NULL	NULL	NULL	NULL	NULL
absv_CommCentralOfficesSwitchingStns	3	1	absp_UpdateClass	hzCommunicationFlty	UtilFcltyClass	CCO	CommunicationFltyId
absv_CommControlVaultsAndControlStations	1	1	NULL	NULL	NULL	NULL	NULL
absv_CommControlVaultsAndControlStations	3	1	absp_UpdateClass	hzCommunicationFlty	UtilFcltyClass	CCSV	CommunicationFltyId
absv_CountyAgriRegions	1	1	NULL	NULL	NULL	NULL	NULL
absv_CountyAgriRegions	2	1	absp_SyncAccessMSSQL	NULL	NULL	NULL	NULL
absv_CRCareFunctionality	1	1	NULL	NULL	NULL	NULL	NULL
absv_CRDepEconLossForBldgsAll	1	1	NULL	NULL	NULL	NULL	NULL
absv_CRDirectEconLossForBldgsAll	1	1	NULL	NULL	NULL	NULL	NULL
absv_CREmergencyCtrFunctionality	1	1	NULL	NULL	NULL	NULL	NULL
absv_CRFireStationFunctionality	1	1	NULL	NULL	NULL	NULL	NULL
absv_CRGBSDmgCountGBldgType	1	1	NULL	NULL	NULL	NULL	NULL
absv_CRGBSDmgCountGOccupAll	1	1	NULL	NULL	NULL	NULL	NULL
absv_CRGBSDmgCountGOccupPost	1	1	NULL	NULL	NULL	NULL	NULL
absv_CRGBSDmgCountGOccupPre	1	1	NULL	NULL	NULL	NULL	NULL
absv_CRGBSDmgGBldgType	1	1	NULL	NULL	NULL	NULL	NULL
absv_CRGBSDmgGOccupAll	1	1	NULL	NULL	NULL	NULL	NULL
absv_CRGBSDmgGOccupPost	1	1	NULL	NULL	NULL	NULL	NULL
absv_CRGBSDmgGOccupPre	1	1	NULL	NULL	NULL	NULL	NULL

ViewName	Mode	SequenceId	Call_SQL	Arg1	Arg2	Arg3	Arg4
absv_CRHwyBridgeDmg	1	1	NULL	NULL	NULL	NULL	NULL
absv_CRInvGBSExposureGBldgType	1	1	NULL	NULL	NULL	NULL	NULL
absv_CRInvGBSExposureGOccupAll	1	1	NULL	NULL	NULL	NULL	NULL
absv_CRLtRailBridgeDmg	1	1	NULL	NULL	NULL	NULL	NULL
absv_CRPoliceStationFunctionality	1	1	NULL	NULL	NULL	NULL	NULL
absv_CRRailwayBridgeDmg	1	1	NULL	NULL	NULL	NULL	NULL
absv_CRSchoolFunctionality	1	1	NULL	NULL	NULL	NULL	NULL
absv_CRShelter	1	1	NULL	NULL	NULL	NULL	NULL
absv_Dams	1	1	NULL	NULL	NULL	NULL	NULL
absv_DayVehicleDollarExposure	1	1	NULL	NULL	NULL	NULL	NULL
absv_DayVehicleInv	1	1	NULL	NULL	NULL	NULL	NULL
absv_Debris	1	1	NULL	NULL	NULL	NULL	NULL
absv_Demographics	1	1	NULL	NULL	NULL	NULL	NULL
absv_DepFunction	1	1	absp_BldgDepExpOccupB	NULL	NULL	NULL	NULL
absv_DepFunction	1	2	absp_ContDepExpOccupB	NULL	NULL	NULL	NULL
absv_DepFunction	1	3	absp_sumDepExposureOccupTotal	NULL	NULL	NULL	NULL
absv_DepFunction	1	4	absp_DepExposureGBldgTypeB	NULL	NULL	NULL	NULL
absv_DepFunction	1	5	absp_DepExposureContentGBldgTypeB	NULL	NULL	NULL	NULL
absv_DepFunction	1	6	absp_sumDepExposureGBldgTypeTotal	NULL	NULL	NULL	NULL
absv_DepParmCBMedianAge	1	1	NULL	NULL	NULL	NULL	NULL
absv_ElectricPowerSubstations	1	1	NULL	NULL	NULL	NULL	NULL
absv_ElectricPowerSubstations	3	1	absp_UpdateClass	hzElectricPowerFlty	UtilFcltyClass	ESSM	ElectricPowerFltyId
absv_EmergencyCtr	1	1	NULL	NULL	NULL	NULL	NULL
absv_EssntFltyContDmgFn	1	1	NULL	NULL	NULL	NULL	NULL
absv_EssntFltyStructDmgFn	1	1	NULL	NULL	NULL	NULL	NULL
absv_ExposureTransport	1	1	NULL	NULL	NULL	NULL	NULL
absv_ExposureUtil	1	1	NULL	NULL	NULL	NULL	NULL
absv_FerryFlty	1	1	NULL	NULL	NULL	NULL	NULL
absv_FireStation	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRAirportFlty	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRAirportRunway	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRBusFlty	1	1	NULL	NULL	NULL	NULL	NULL

ViewName	Mode	SequenceId	Call_SQL	Arg1	Arg2	Arg3	Arg4
absv_FRCareFlty	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRCommBroadcastFlty	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRCommCentralOfficesSwitchingStns	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRCommControlVaultsAndControlStation	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRDebris	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRElectricPowerPlants	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRElectricPowerSubstations	1	1	NULL	NULL	NULL	NULL	NULL
absv_FREmergencyCtr	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRFerryFlty	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRFireStation	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSDepEcLossByBldgTypeAll	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSDepEcLossByBldgTypePost	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSDepEcLossByBldgTypePre	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSDepEcLossByGOccupAll	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSDepEcLossByGOccupPost	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSDepEcLossByGOccupPre	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSDepEcLossBySOccupAll	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSDepEcLossBySOccupPost	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSDepEcLossBySOccupPre	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSDepEcLossByTotalAll	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSDepEcLossByTotalPost	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSDepEcLossByTotalPre	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSDmgCountGBldgTypeAll	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSDmgCountGBldgTypePost	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSDmgCountGBldgTypePre	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSDmgCountGOccupAll	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSDmgCountGOccupPost	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSDmgCountGOccupPre	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSDmgCountSOccupAll	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSDmgCountSOccupPost	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSDmgCountSOccupPre	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSDmgSqFtGBldgTypeAll	1	1	NULL	NULL	NULL	NULL	NULL

ViewName	Mode	SequenceId	Call_SQL	Arg1	Arg2	Arg3	Arg4
absv_FRGBSDmgSqFtGBldgTypePost	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSDmgSqFtGBldgTypePre	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSDmgSqFtGOccupAll	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSDmgSqFtGOccupPost	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSDmgSqFtGOccupPre	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSDmgSqFtSOccupAll	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSDmgSqFtSOccupPost	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSDmgSqFtSOccupPre	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSEcLossByGBldgTypeAll	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSEcLossByGBldgTypePost	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSEcLossByGBldgTypePre	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSEcLossByGOccupAll	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSEcLossByGOccupPost	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSEcLossByGOccupPre	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSEcLossBySOccupAll	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSEcLossBySOccupPost	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSEcLossBySOccupPre	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSEcLossByTotalAll	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSEcLossByTotalPost	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRGBSEcLossByTotalPre	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRHighwayBridge	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRHighwaySegments	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRHighwayTunnel	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRLightRailBridge	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRLightRailFlty	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRLightRailSegments	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRLightRailTunnel	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRNaturalGasCompressorPlants	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRNaturalGasCtrlVltsAndCtrlStns	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRNaturalGasPl	1	1	NULL	NULL	NULL	NULL	NULL
absv_FROilCtrlVaultsCtrlStns	1	1	NULL	NULL	NULL	NULL	NULL
absv_FROilPl	1	1	NULL	NULL	NULL	NULL	NULL

ViewName	Mode	SequenceId	Call_SQL	Arg1	Arg2	Arg3	Arg4
absv_FROilPumpingPlants	1	1	NULL	NULL	NULL	NULL	NULL
absv_FROilRefinery	1	1	NULL	NULL	NULL	NULL	NULL
absv_FROilTankFarm	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRPoliceStation	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRPortFlty	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRPotableWaterControlVaults	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRPotableWaterFlty	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRPotableWaterPl	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRPotableWaterPumps	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRPotableWaterTanks	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRPotableWaterWells	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRRailFlty	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRRailwayBridge	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRRailwaySegment	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRRailwayTunnel	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRSchool	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRShelter	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRUserDefinedFlty	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRVehDamage	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRVehLoss	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRWasteWaterCtrlVltsAndCtrlStns	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRWasteWaterLiftStations	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRWasteWaterPl	1	1	NULL	NULL	NULL	NULL	NULL
absv_FRWasteWaterTreatmentPlants	1	1	NULL	NULL	NULL	NULL	NULL
absv_Hazmat	1	1	NULL	NULL	NULL	NULL	NULL
absv_HighwayBridge	1	1	NULL	NULL	NULL	NULL	NULL
absv_HighwaySegment	1	1	NULL	NULL	NULL	NULL	NULL
absv_HighwayTunnel	1	1	NULL	NULL	NULL	NULL	NULL
absv_InvGBSBldgCountBldgType	1	1	NULL	NULL	NULL	NULL	NULL
absv_InvGBSBldgCountOccupGen	1	1	NULL	NULL	NULL	NULL	NULL
absv_InvGBSBldgCountOccupSpec	1	1	absp_GCountGBldgTypeB	NULL	NULL	NULL	NULL
absv_InvGBSDepExposureBldgGBldgType	1	1	NULL	NULL	NULL	NULL	NULL

ViewName	Mode	SequenceId	Call_SQL	Arg1	Arg2	Arg3	Arg4
absv_InvGBSDepExposureBldgGOccup	1	1	NULL	NULL	NULL	NULL	NULL
absv_InvGBSDepExposureBldgSOccup	1	1	absp_sumDepExposureOccupTotal	NULL	NULL	NULL	NULL
absv_InvGBSDepExposureBldgSOccup	1	2	absp_DepExposureGBldgTypeB	NULL	NULL	NULL	NULL
absv_InvGBSDepExposureBldgSOccup	1	3	absp_sumDepExposureGBldgTypeTotal	NULL	NULL	NULL	NULL
absv_InvGBSDepExposureContentGBldgType	1	1	NULL	NULL	NULL	NULL	NULL
absv_InvGBSDepExposureContentGOccup	1	1	NULL	NULL	NULL	NULL	NULL
absv_InvGBSDepExposureContentSOccup	1	1	absp_sumDepExposureOccupTotal	NULL	NULL	NULL	NULL
absv_InvGBSDepExposureContentSOccup	1	2	absp_DepExposureContentGBldgTypeB	NULL	NULL	NULL	NULL
absv_InvGBSDepExposureContentSOccup	1	3	absp_sumDepExposureGBldgTypeTotal	NULL	NULL	NULL	NULL
absv_InvGBSDepExposureTotalGBldgType	1	1	NULL	NULL	NULL	NULL	NULL
absv_InvGBSDepExposureTotalGOccup	1	1	NULL	NULL	NULL	NULL	NULL
absv_InvGBSDepExposureTotalSOccup	1	1	NULL	NULL	NULL	NULL	NULL
absv_InvGBSDepParmMedAge	1	1	NULL	NULL	NULL	NULL	NULL
absv_InvGBSExposureBldgGBldgType	1	1	NULL	NULL	NULL	NULL	NULL
absv_InvGBSExposureBldgGOccup	1	1	NULL	NULL	NULL	NULL	NULL
absv_InvGBSExposureBldgSOccup	1	1	absp_sumExposureOccupTotal	NULL	NULL	NULL	NULL
absv_InvGBSExposureBldgSOccup	1	2	absp_ExposureGBldgTypeB	NULL	NULL	NULL	NULL
absv_InvGBSExposureBldgSOccup	1	3	absp_sumExposureGBldgTypeTotal	NULL	NULL	NULL	NULL
absv_InvGBSExposureBldgSOccup	1	4	absp_BldgDepExpOccupB	NULL	NULL	NULL	NULL
absv_InvGBSExposureBldgSOccup	1	5	absp_ContDepExpOccupB	NULL	NULL	NULL	NULL
absv_InvGBSExposureContentGBldgType	1	1	NULL	NULL	NULL	NULL	NULL
absv_InvGBSExposureContentGOccup	1	1	NULL	NULL	NULL	NULL	NULL
absv_InvGBSExposureContentSOccup	1	1	absp_sumExposureOccupTotal	NULL	NULL	NULL	NULL
absv_InvGBSExposureContentSOccup	1	2	absp_ExposureContentGBldgTypeB	NULL	NULL	NULL	NULL
absv_InvGBSExposureContentSOccup	1	3	absp_sumExposureGBldgTypeTotal	NULL	NULL	NULL	NULL
absv_InvGBSExposureTotalGBldgType	1	1	NULL	NULL	NULL	NULL	NULL
absv_InvGBSExposureTotalGOccup	1	1	NULL	NULL	NULL	NULL	NULL
absv_InvGBSExposureTotalSOccup	1	1	NULL	NULL	NULL	NULL	NULL
absv_InvGBSOccupMapBldgAge	1	1	NULL	NULL	NULL	NULL	NULL
absv_InvGBSSqFootageCounty	1	1	NULL	NULL	NULL	NULL	NULL
absv_InvGbsSqFt	1	1	NULL	NULL	NULL	NULL	NULL
absv_InvGbsSqFtFactors	1	1	NULL	NULL	NULL	NULL	NULL

ViewName	Mode	SequenceId	Call_SQL	Arg1	Arg2	Arg3	Arg4
absv_InvGbsValParmBasement	1	1	NULL	NULL	NULL	NULL	NULL
absv_InvGbsValParmGarages	1	1	NULL	NULL	NULL	NULL	NULL
absv_Levees	1	1	NULL	NULL	NULL	NULL	NULL
absv_LightRailBridge	1	1	NULL	NULL	NULL	NULL	NULL
absv_LightRailFlty	1	1	NULL	NULL	NULL	NULL	NULL
absv_LightRailSegment	1	1	NULL	NULL	NULL	NULL	NULL
absv_LightRailTunnel	1	1	NULL	NULL	NULL	NULL	NULL
absv_MeansLocationFactors	1	1	NULL	NULL	NULL	NULL	NULL
absv_Military	1	1	NULL	NULL	NULL	NULL	NULL
absv_NaturalGasCompressorPlants	1	1	NULL	NULL	NULL	NULL	NULL
absv_NaturalGasCompressorPlants	3	1	absp_UpdateClass	hzNaturalGasFlty	UtilFcltyClass	NGC	NaturalGasFltyId
absv_NaturalGasCtrlVltsAndCtrlStns	1	1	NULL	NULL	NULL	NULL	NULL
absv_NaturalGasCtrlVltsAndCtrlStns	3	1	absp_UpdateClass	hzNaturalGasFlty	UtilFcltyClass	NGCV	NaturalGasFltyId
absv_NaturalGasPl	1	1	NULL	NULL	NULL	NULL	NULL
absv_NightVehicleDollarExposure	1	1	NULL	NULL	NULL	NULL	NULL
absv_NightVehicleInv	1	1	NULL	NULL	NULL	NULL	NULL
absv_NonResNumberStories	1	1	NULL	NULL	NULL	NULL	NULL
absv_NuclearFlty	1	1	NULL	NULL	NULL	NULL	NULL
absv_OilCtrlVaultsCtrlStns	1	1	NULL	NULL	NULL	NULL	NULL
absv_OilCtrlVaultsCtrlStns	3	1	absp_UpdateClass	hzOilFlty	UtilFcltyClass	OCV	OilFltyId
absv_OilPl	1	1	NULL	NULL	NULL	NULL	NULL
absv_OilPumpingPlants	1	1	NULL	NULL	NULL	NULL	NULL
absv_OilPumpingPlants	3	1	absp_UpdateClass	hzOilFlty	UtilFcltyClass	OPP	OilFltyId
absv_OilRefineries	1	1	NULL	NULL	NULL	NULL	NULL
absv_OilRefineries	3	1	absp_UpdateClass	hzOilFlty	UtilFcltyClass	ODFLT	OilFltyId
absv_OilTankFarm	1	1	NULL	NULL	NULL	NULL	NULL
absv_OilTankFarm	3	1	absp_UpdateClass	hzOilFlty	UtilFcltyClass	OTF	OilFltyId
absv_OtherResNumberStories	1	1	NULL	NULL	NULL	NULL	NULL
absv_OwnerOccupied	1	1	NULL	NULL	NULL	NULL	NULL
absv_PctContentOfStructureValue	1	1	NULL	NULL	NULL	NULL	NULL
absv_PoliceStation	1	1	NULL	NULL	NULL	NULL	NULL
absv_PortFlty	1	1	NULL	NULL	NULL	NULL	NULL

ViewName	Mode	SequenceId	Call_SQL	Arg1	Arg2	Arg3	Arg4
absv_PotableWaterControlVaults	1	1	NULL	NULL	NULL	NULL	NULL
absv_PotableWaterControlVaults	3	1	absp_UpdateClass	hzPotableWaterFlty	UtilFcltyClass	PCVS	PotableWaterFltyId
absv_PotableWaterFacility	1	1	NULL	NULL	NULL	NULL	NULL
absv_PotableWaterFacility	3	1	absp_UpdateClass	hzPotableWaterFlty	UtilFcltyClass	PDFLT	PotableWaterFltyId
absv_PotableWaterPl	1	1	NULL	NULL	NULL	NULL	NULL
absv_PotableWaterPumps	1	1	NULL	NULL	NULL	NULL	NULL
absv_PotableWaterPumps	3	1	absp_UpdateClass	hzPotableWaterFlty	UtilFcltyClass	PPPM	PotableWaterFltyId
absv_PotableWaterTanks	1	1	NULL	NULL	NULL	NULL	NULL
absv_PotableWaterTanks	3	1	absp_UpdateClass	hzPotableWaterFlty	UtilFcltyClass	PSTGS	PotableWaterFltyId
absv_PotableWaterWells	1	1	NULL	NULL	NULL	NULL	NULL
absv_PotableWaterWells	3	1	absp_UpdateClass	hzPotableWaterFlty	UtilFcltyClass	PWE	PotableWaterFltyId
absv_PowerPlants	1	1	NULL	NULL	NULL	NULL	NULL
absv_PowerPlants	3	1	absp_UpdateClass	hzElectricPowerFlty	UtilFcltyClass	EDFLT	ElectricPowerFltyId
absv_RailFlty	1	1	NULL	NULL	NULL	NULL	NULL
absv_RailwayBridge	1	1	NULL	NULL	NULL	NULL	NULL
absv_RailwaySegment	1	1	NULL	NULL	NULL	NULL	NULL
absv_RailwayTunnel	1	1	NULL	NULL	NULL	NULL	NULL
absv_RecaptureFactors	1	1	NULL	NULL	NULL	NULL	NULL
absv_RentalParam	1	1	NULL	NULL	NULL	NULL	NULL
absv_ReplacementCost	1	1	NULL	NULL	NULL	NULL	NULL
absv_Res1ConstructionWt	1	1	NULL	NULL	NULL	NULL	NULL
absv_Res1GarageAdjustment	1	1	NULL	NULL	NULL	NULL	NULL
absv_Res1NumberStories	1	1	NULL	NULL	NULL	NULL	NULL
absv_Res1ReplCost	1	1	NULL	NULL	NULL	NULL	NULL
absv_RsFnEssntFlty	1	1	NULL	NULL	NULL	NULL	NULL
absv_RsFnGBS	1	1	NULL	NULL	NULL	NULL	NULL
absv_Runway	1	1	NULL	NULL	NULL	NULL	NULL
absv_SchemeCoastalPost	1	1	NULL	NULL	NULL	NULL	NULL
absv_SchemeCoastalPre	1	1	NULL	NULL	NULL	NULL	NULL
absv_SchemeGLakesPost	1	1	NULL	NULL	NULL	NULL	NULL
absv_SchemeGLakesPre	1	1	NULL	NULL	NULL	NULL	NULL
absv_SchemeMapping	1	1	NULL	NULL	NULL	NULL	NULL

ViewName	Mode	SequenceId	Call_SQL	Arg1	Arg2	Arg3	Arg4
absv_SchemeRiverinePost	1	1	NULL	NULL	NULL	NULL	NULL
absv_SchemeRiverinePre	1	1	NULL	NULL	NULL	NULL	NULL
absv_School	1	1	NULL	NULL	NULL	NULL	NULL
absv_ShelterParamAge	1	1	NULL	NULL	NULL	NULL	NULL
absv_ShelterParamIncome	1	1	NULL	NULL	NULL	NULL	NULL
absv_ShelterParamWeighting	1	1	NULL	NULL	NULL	NULL	NULL
absv_SubCountyAgriRegions	1	1	NULL	NULL	NULL	NULL	NULL
absv_UserDefinedFlty	1	1	NULL	NULL	NULL	NULL	NULL
absv_UtilFltyDmgFn	1	1	NULL	NULL	NULL	NULL	NULL
absv_UtilzCommDmgFn	1	1	NULL	NULL	NULL	NULL	NULL
absv_UtilzEPowerDmgFn	1	1	NULL	NULL	NULL	NULL	NULL
absv_UtilzNGasDmgFn	1	1	NULL	NULL	NULL	NULL	NULL
absv_UtilzOilDmgFn	1	1	NULL	NULL	NULL	NULL	NULL
absv_UtilzPWaterDmgFn	1	1	NULL	NULL	NULL	NULL	NULL
absv_UtilzWWaterDmgFn	1	1	NULL	NULL	NULL	NULL	NULL
absv_VehDmgFn	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassAirportFlty	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassAirportRunway	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassBldgType	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassBusFlty	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassCareFlty	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassCommFlty	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassDams	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassElectricPowerFlty	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassEmergencyCtr	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassFerryFlty	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassFireStation	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassHazMat	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassHwyBridge	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassHwySegments	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassHwyTunnels	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassLevee	1	1	NULL	NULL	NULL	NULL	NULL

ViewName	Mode	SequenceId	Call_SQL	Arg1	Arg2	Arg3	Arg4
absv_ViewClassLightRailBridge	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassLightRailFlty	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassLightRailSegments	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassLightRailTunnels	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassMilitary	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassNaturalGasFlty	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassNaturalGasPl	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassNuclear	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassOccup	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassOilFlty	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassOilPl	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassPoliceStation	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassPortFlty	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassPotableWaterFlty	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassPotableWaterPl	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassRailwayBridge	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassRailwayFlty	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassRailwaySegments	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassRailwayTunnels	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassSchool	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassWasteWaterFlty	1	1	NULL	NULL	NULL	NULL	NULL
absv_ViewClassWasteWaterPl	1	1	NULL	NULL	NULL	NULL	NULL
absv_WageCapitalIncome	1	1	NULL	NULL	NULL	NULL	NULL
absv_WasteWaterCtrlVltsAndCtrlStns	1	1	NULL	NULL	NULL	NULL	NULL
absv_WasteWaterCtrlVltsAndCtrlStns	3	1	absp_UpdateClass	hzWasteWaterFlty	UtilFcltyClass	WWCV	WasteWaterFltyId
absv_WasteWaterLiftStations	1	1	NULL	NULL	NULL	NULL	NULL
absv_WasteWaterLiftStations	3	1	absp_UpdateClass	hzWasteWaterFlty	UtilFcltyClass	WLSM	WasteWaterFltyId
absv_WasteWaterPl	1	1	NULL	NULL	NULL	NULL	NULL
absv_WasteWaterTreatmentPlants	1	1	NULL	NULL	NULL	NULL	NULL
absv_WasteWaterTreatmentPlants	3	1	absp_UpdateClass	hzWasteWaterFlty	UtilFcltyClass	WDFLT	WasteWaterFltyId

3.1.3.3 Miscellaneous C++ Dialogs (hzFlMiscDlgs) Library

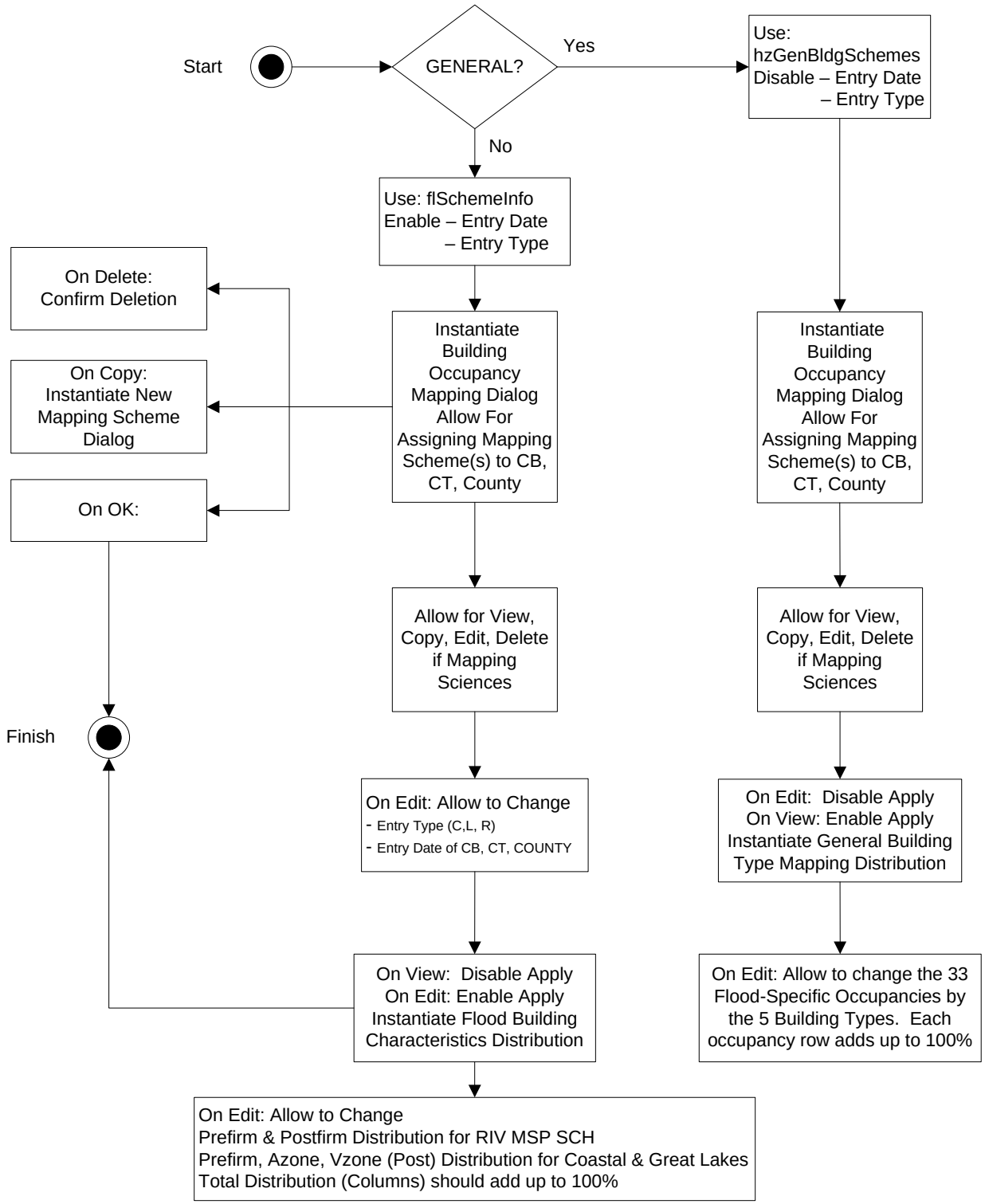

Figure 3-121 General and Flood-Specific Occupancy Mapping Dialog

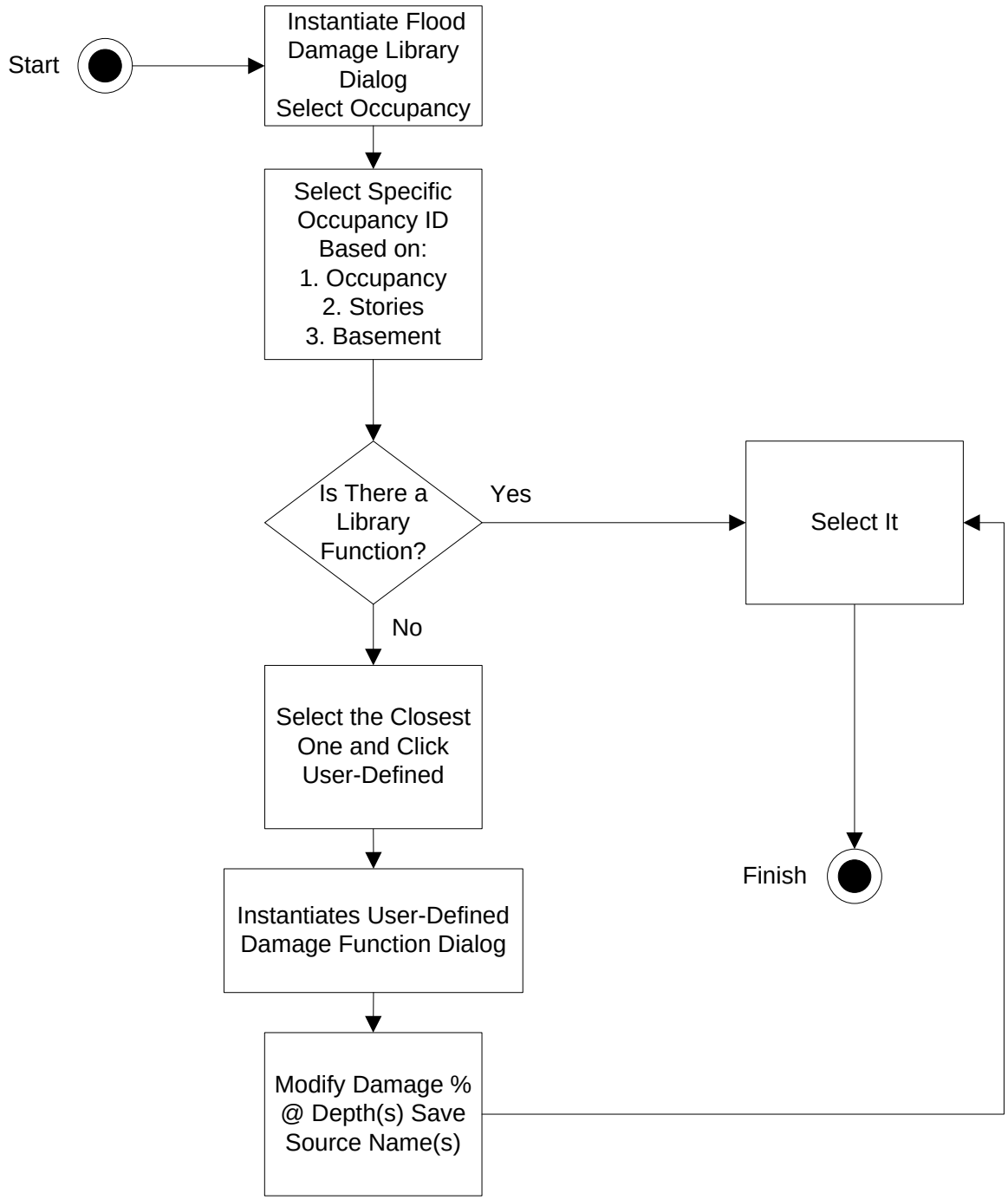

Figure 3-122 Damage Function Library Dialog

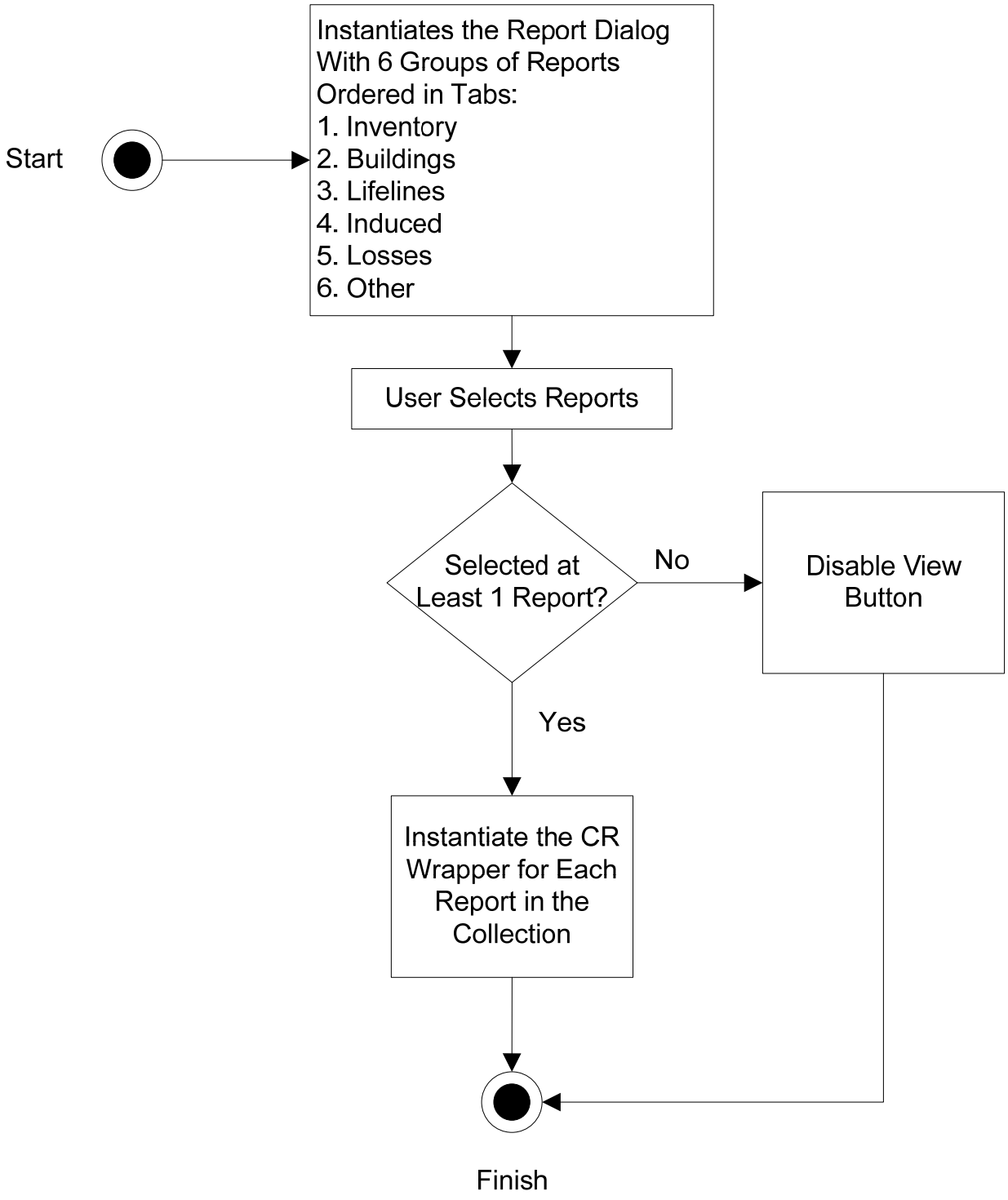

Figure 3-123 Crystal Report Tabbed Dialog

3.1.3.4 Miscellaneous VB Dialogs (hzFlVbDialogs) Library

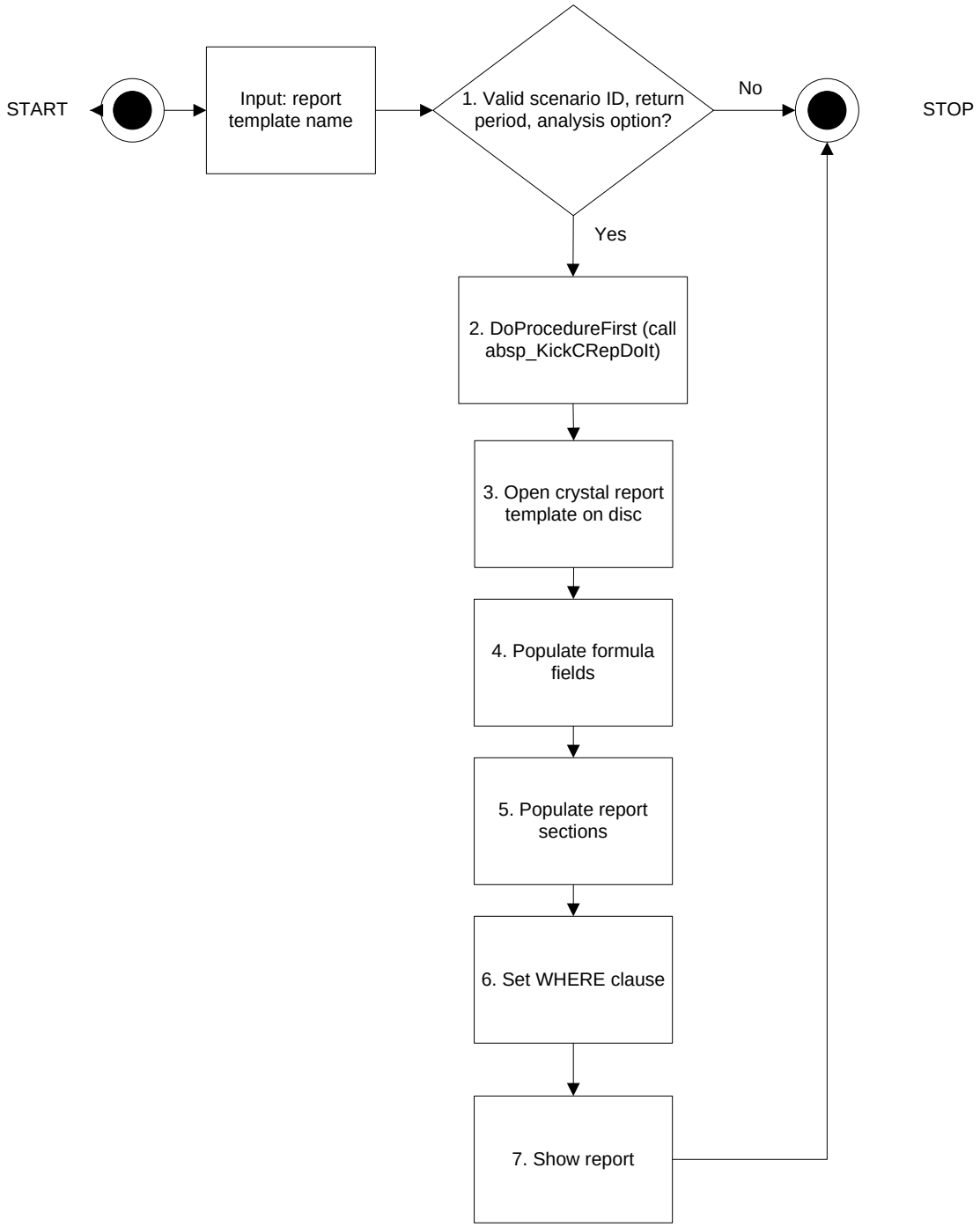

Figure 3-124 Crystal Reports Viewer Dialog

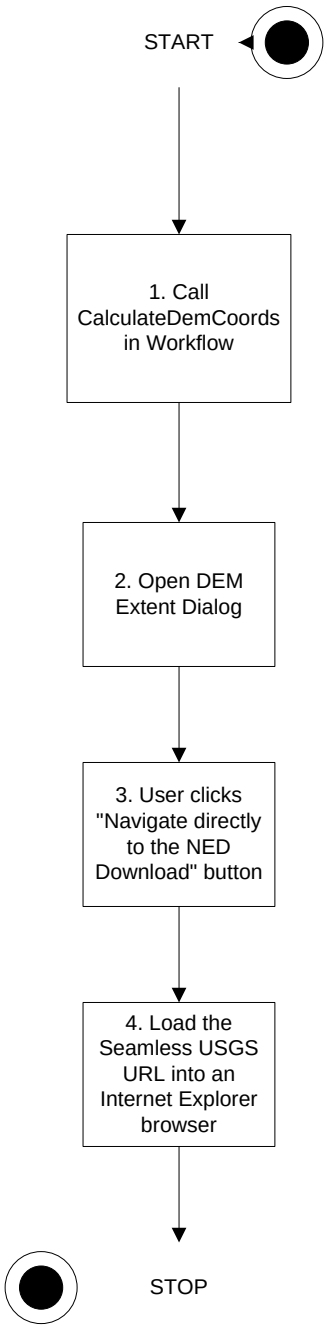

Figure 3-125 DEM Extent Dialog

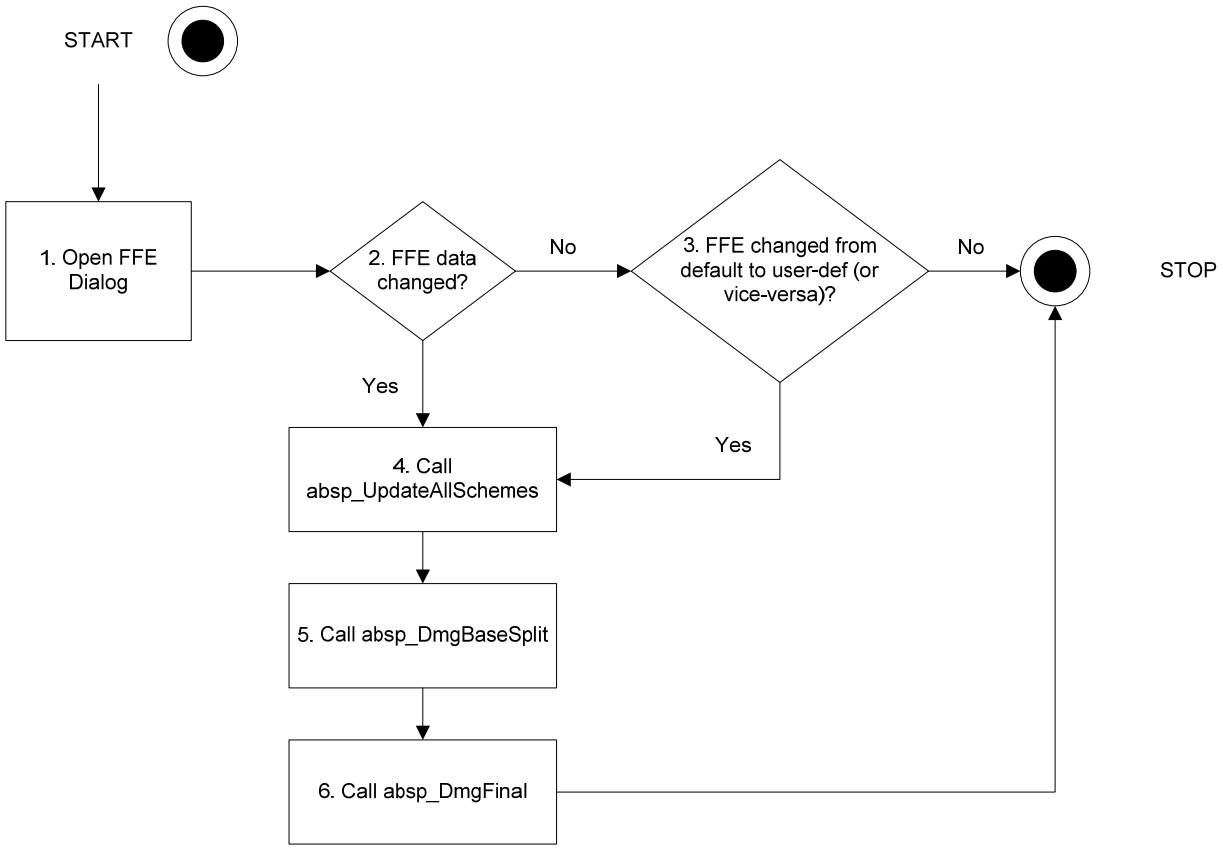

Figure 3-126 First Floor Elevation (FFE) Dialog

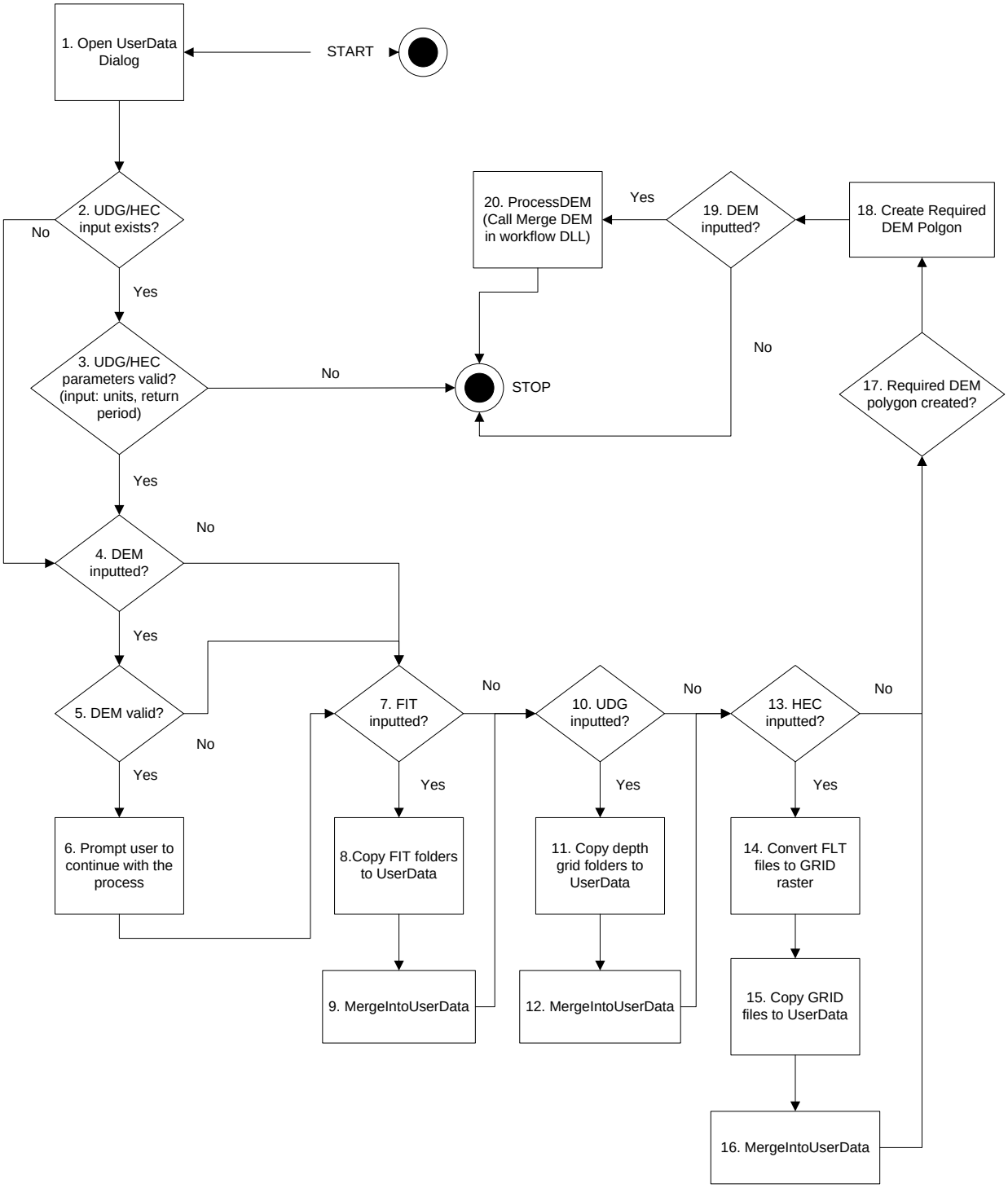

Figure 3-127 User Data Dialog

3.1.3.5 Map Control (hzFlMapControl) Library

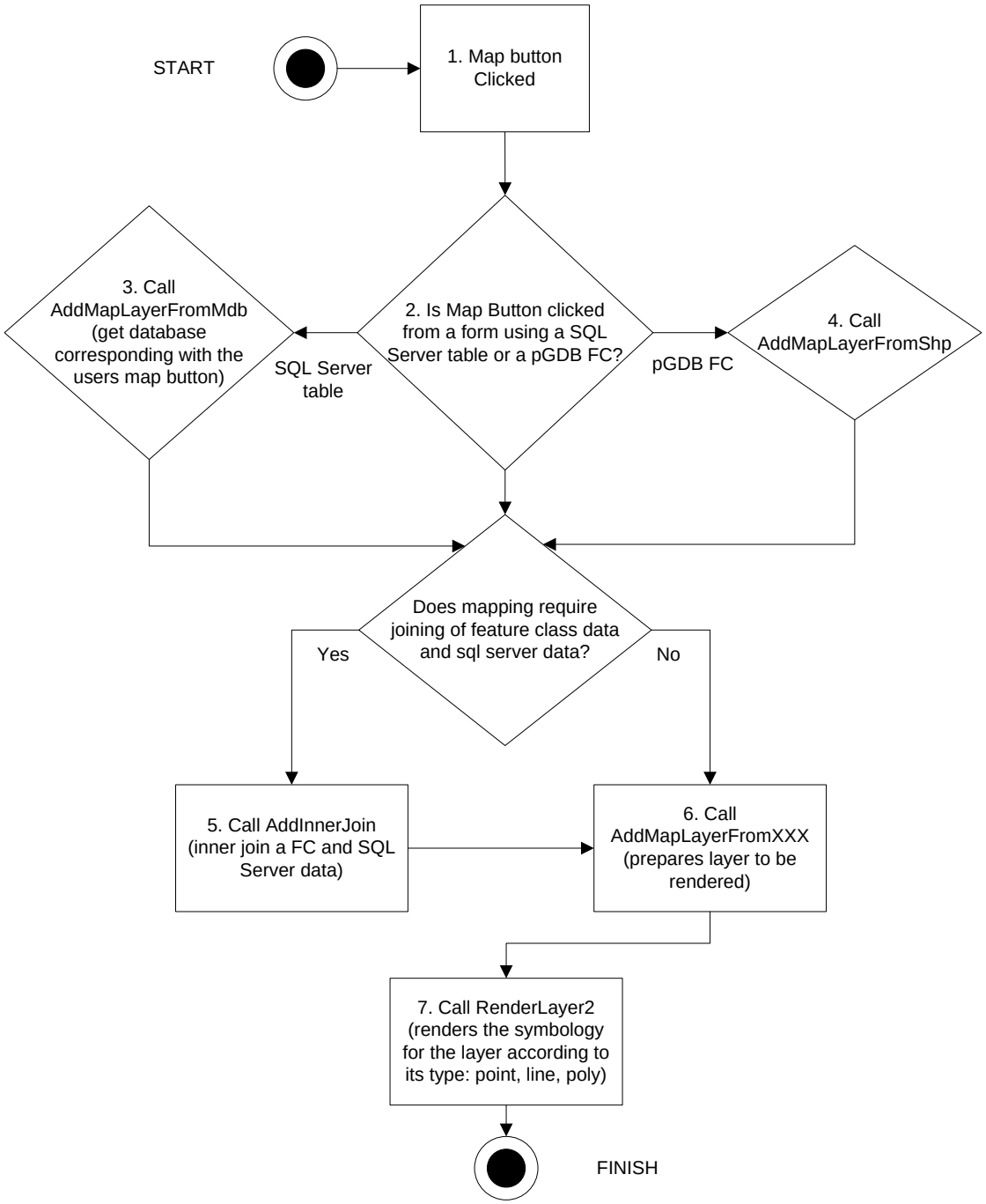

Figure 3-128 ArcMap Map Control

3.1.3.6 User Interface Control (hzFlUIControl) Library

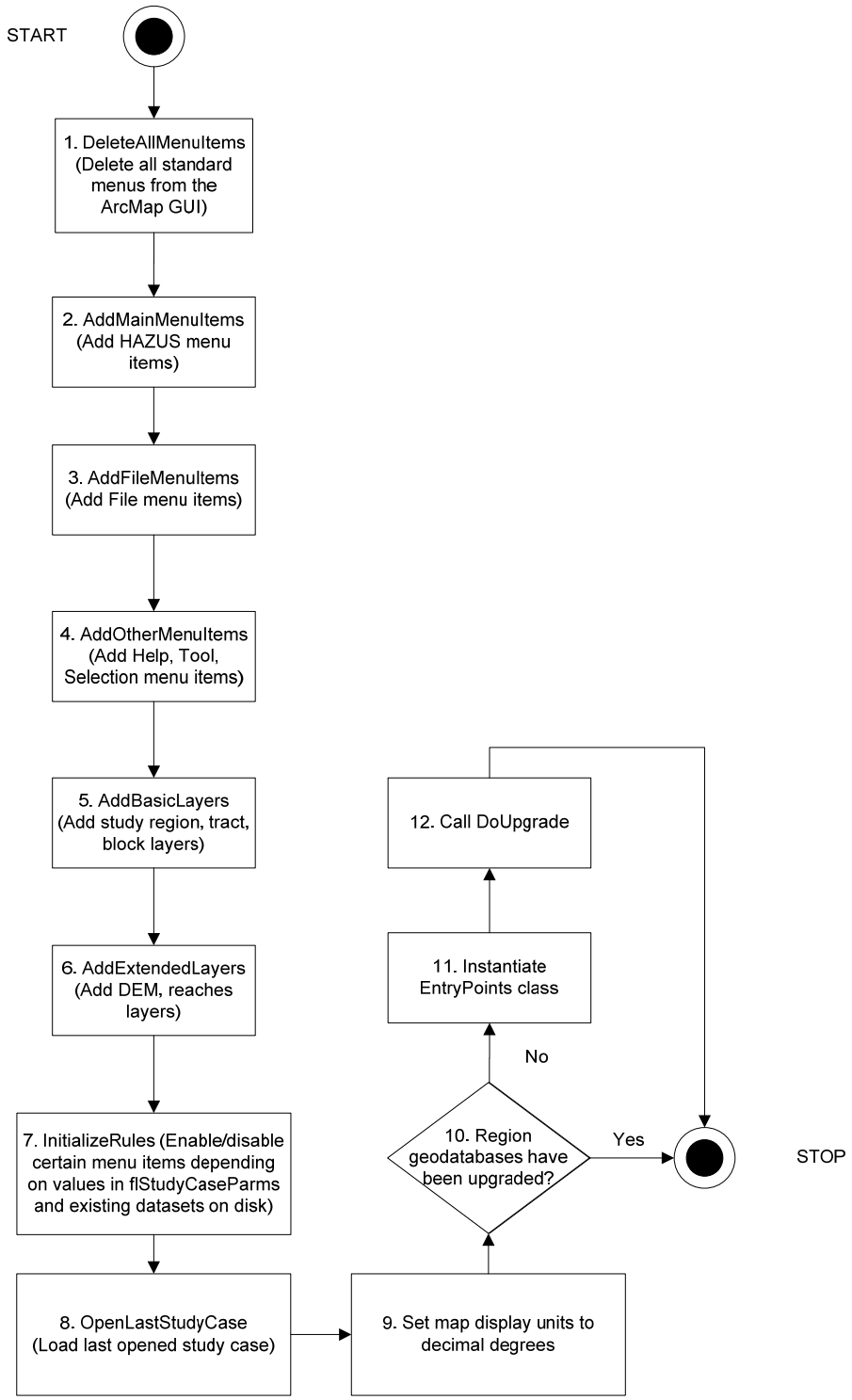

Figure 3-129 Load FL-specific ArcMap Custom User Interface

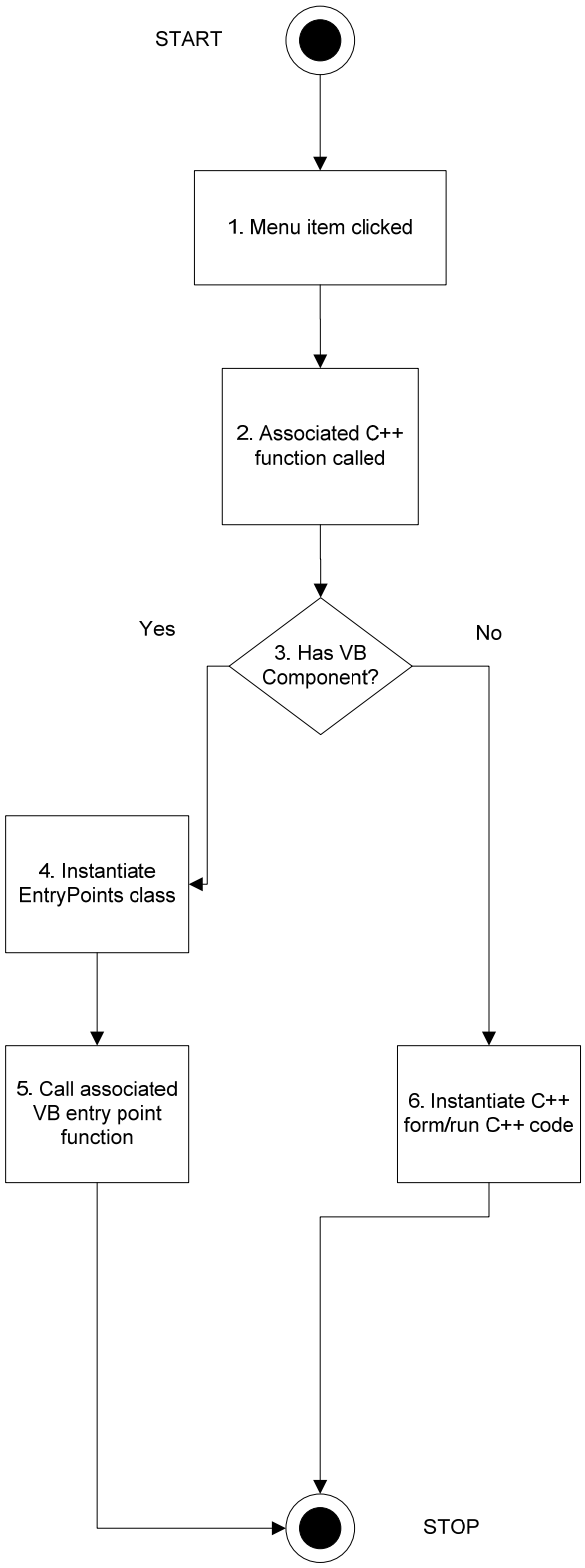

Figure 3-130 UI Commands

3.2 Dependency Design Description

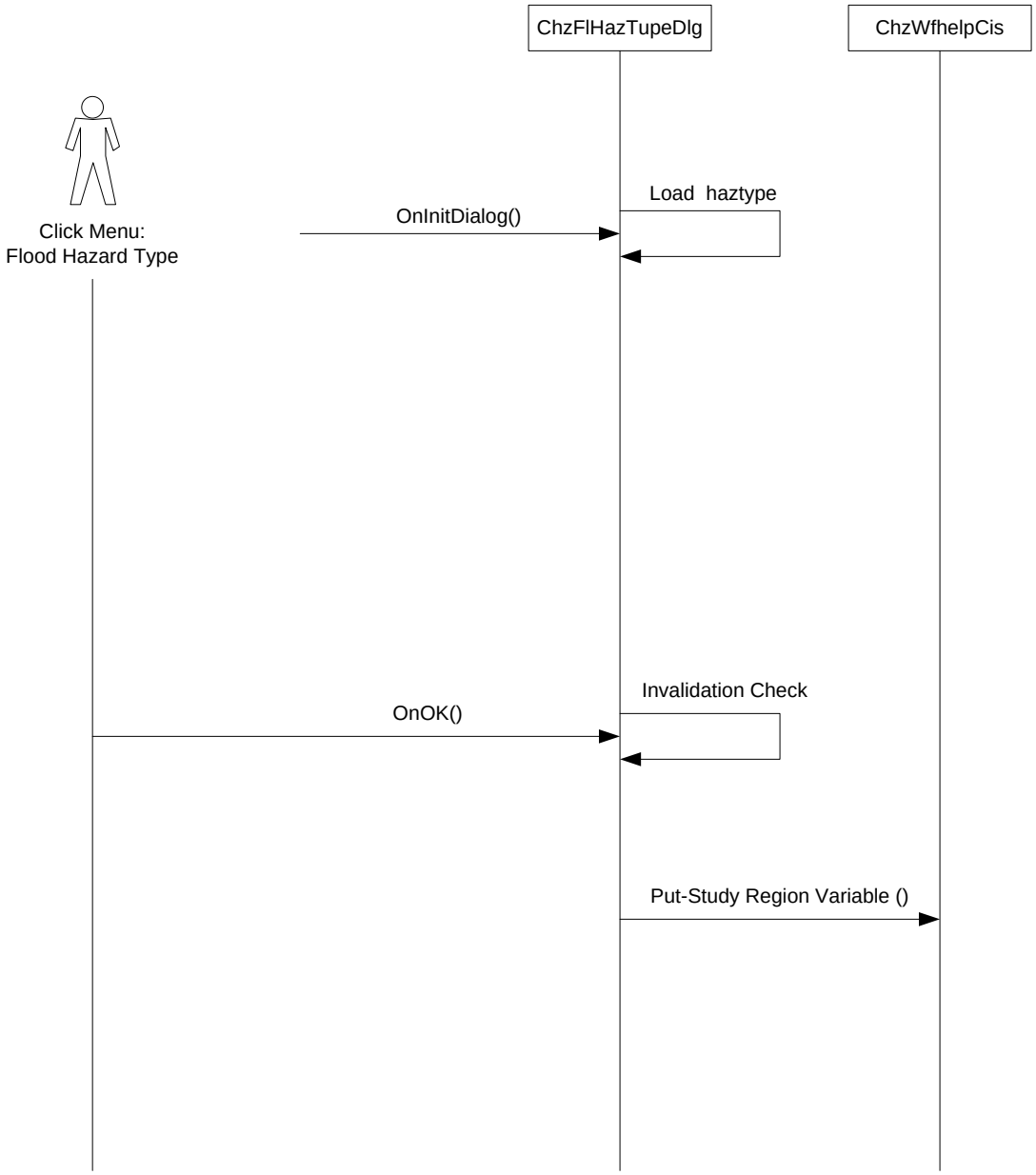

Figure 3-131 Setting the Hazard Type

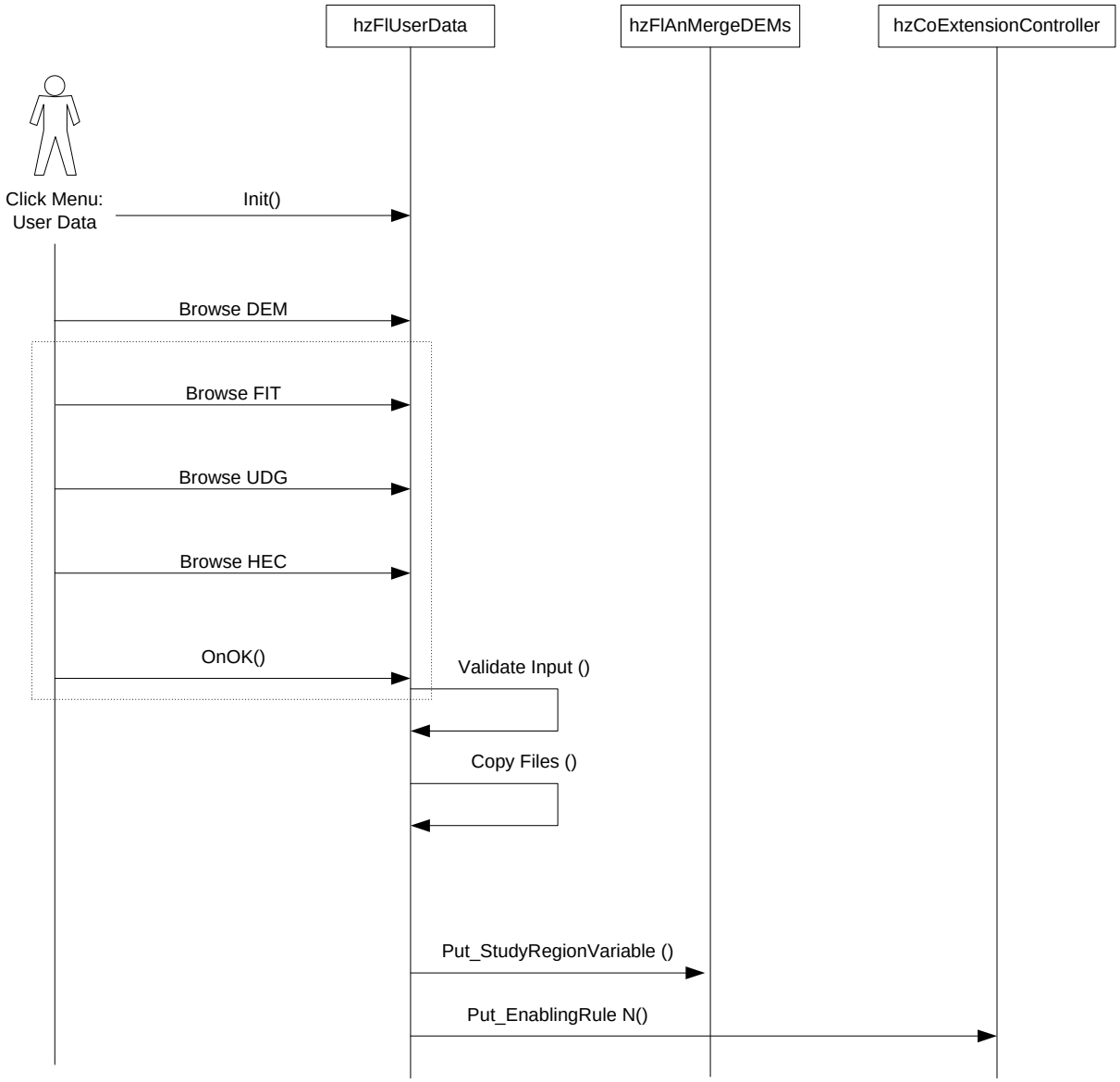

Figure 3-132 Hazard User Data

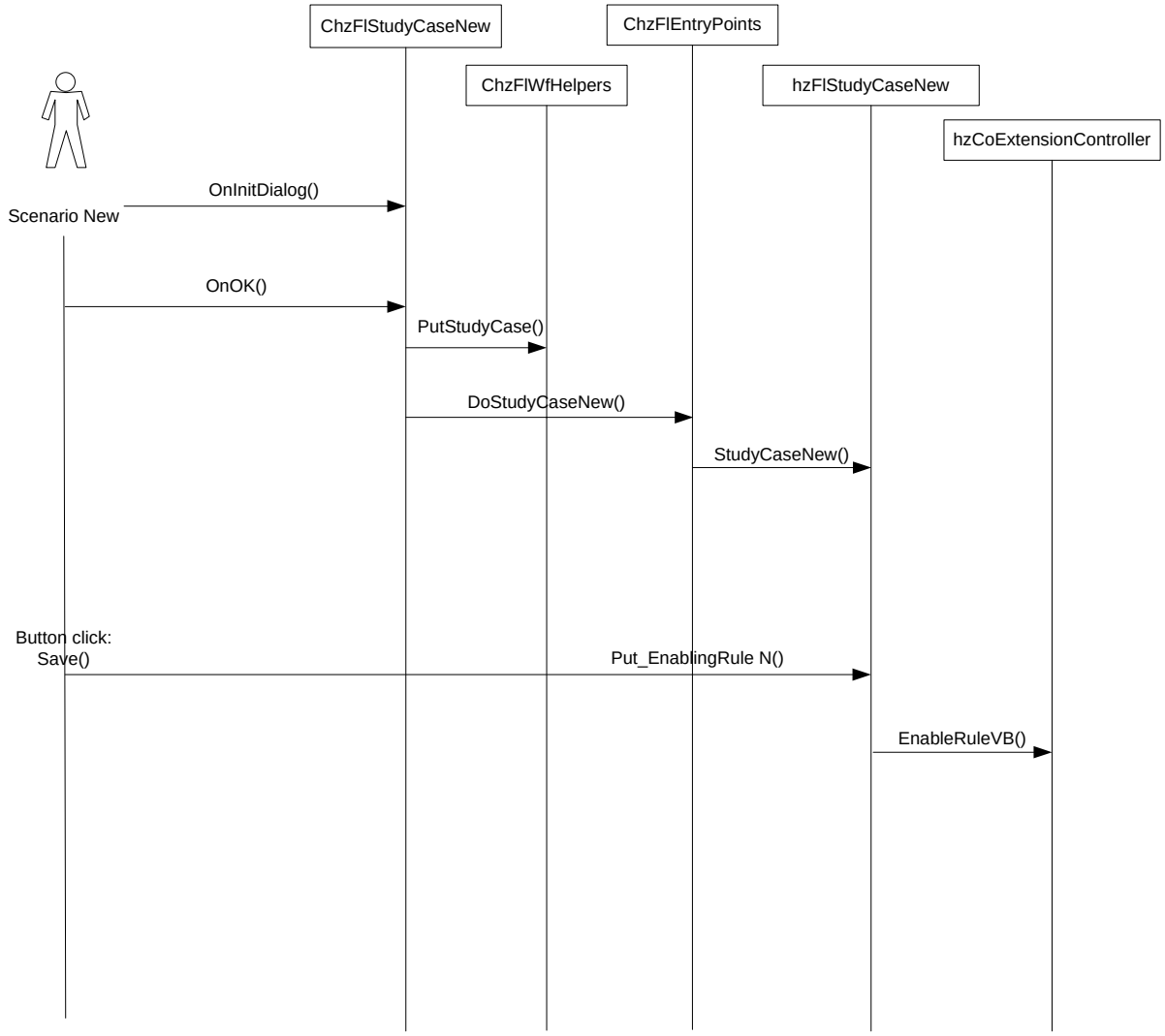

Figure 3-133 New Scenario

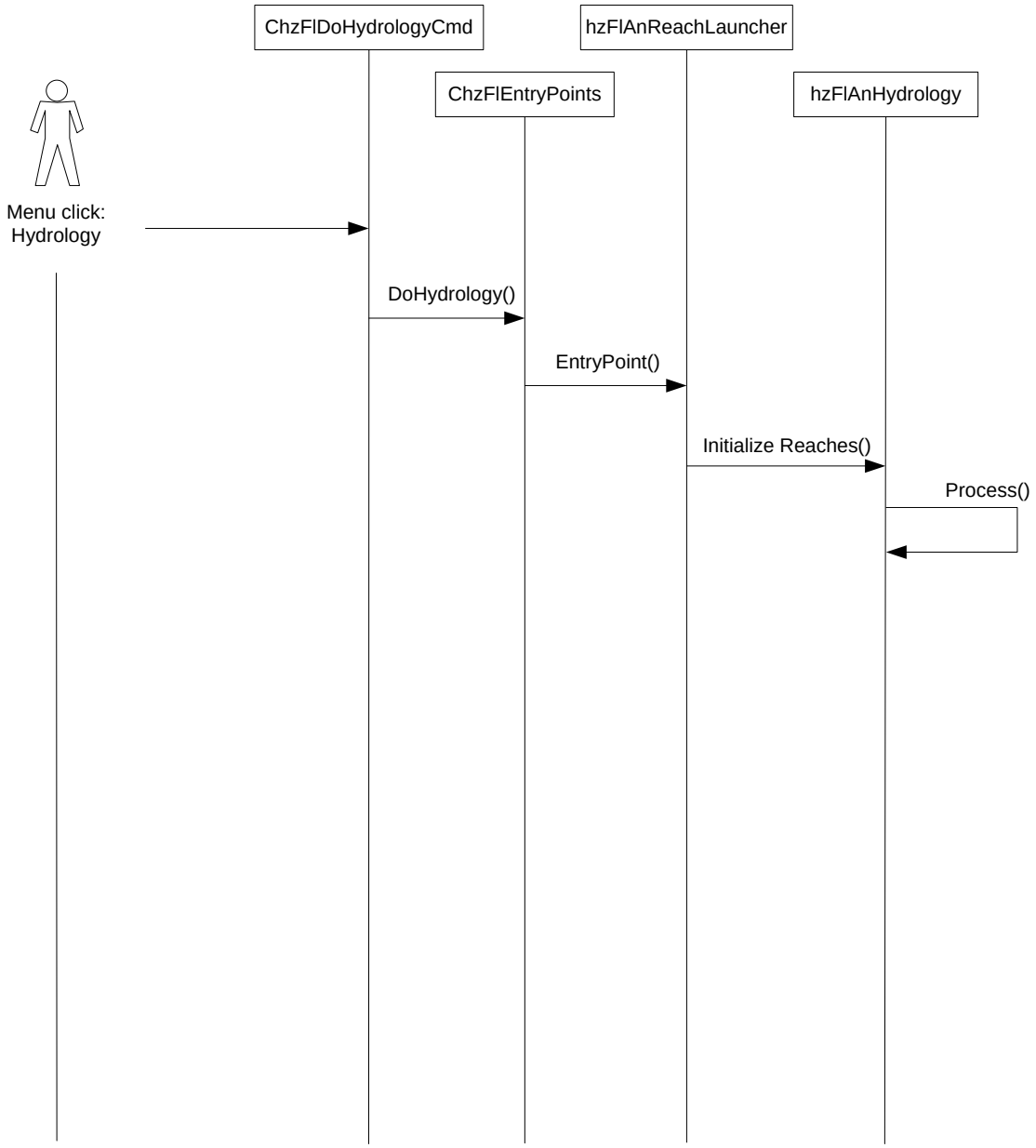

Figure 3-134 Hydrology

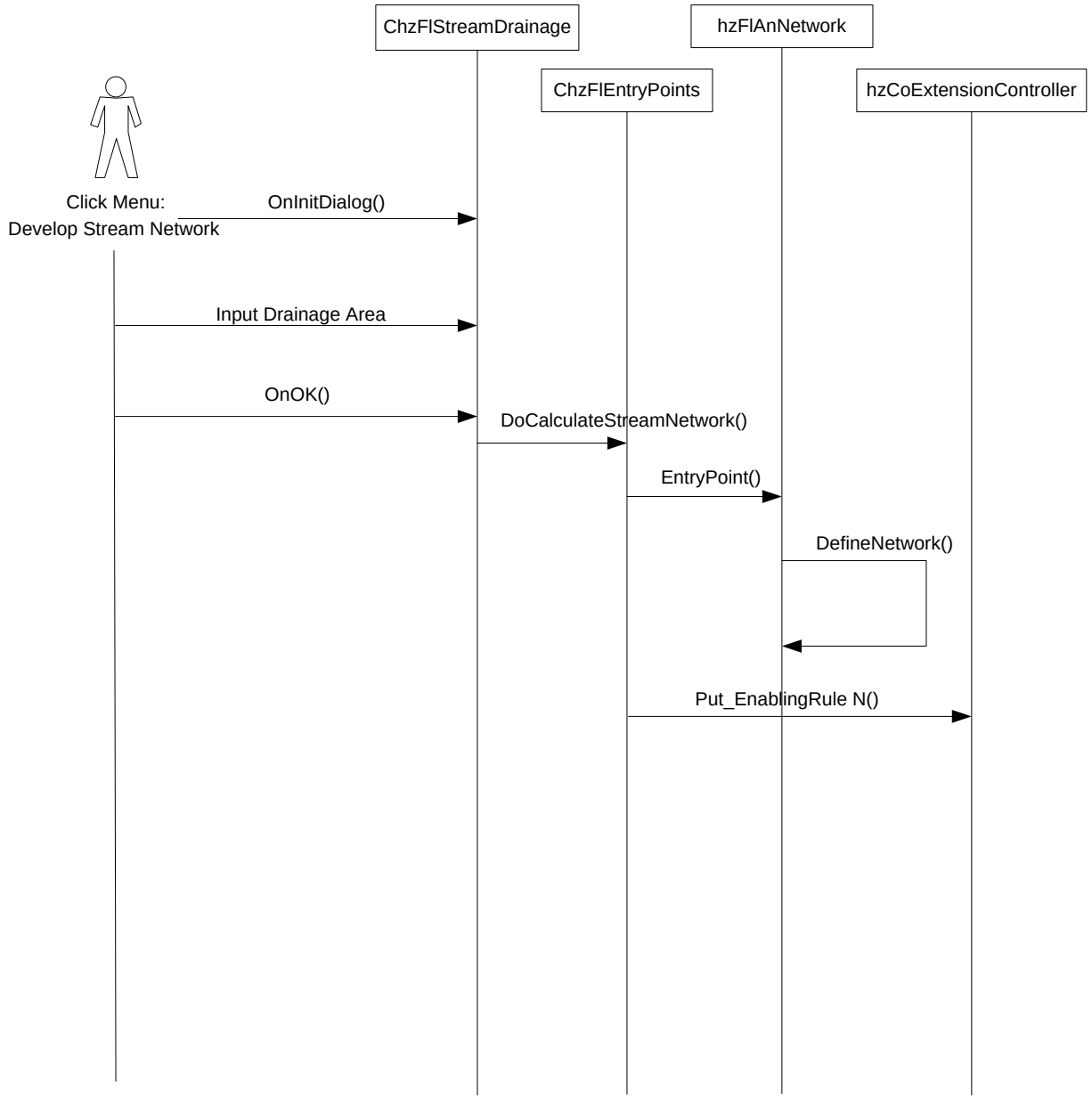

Figure 3-135 Steam Network

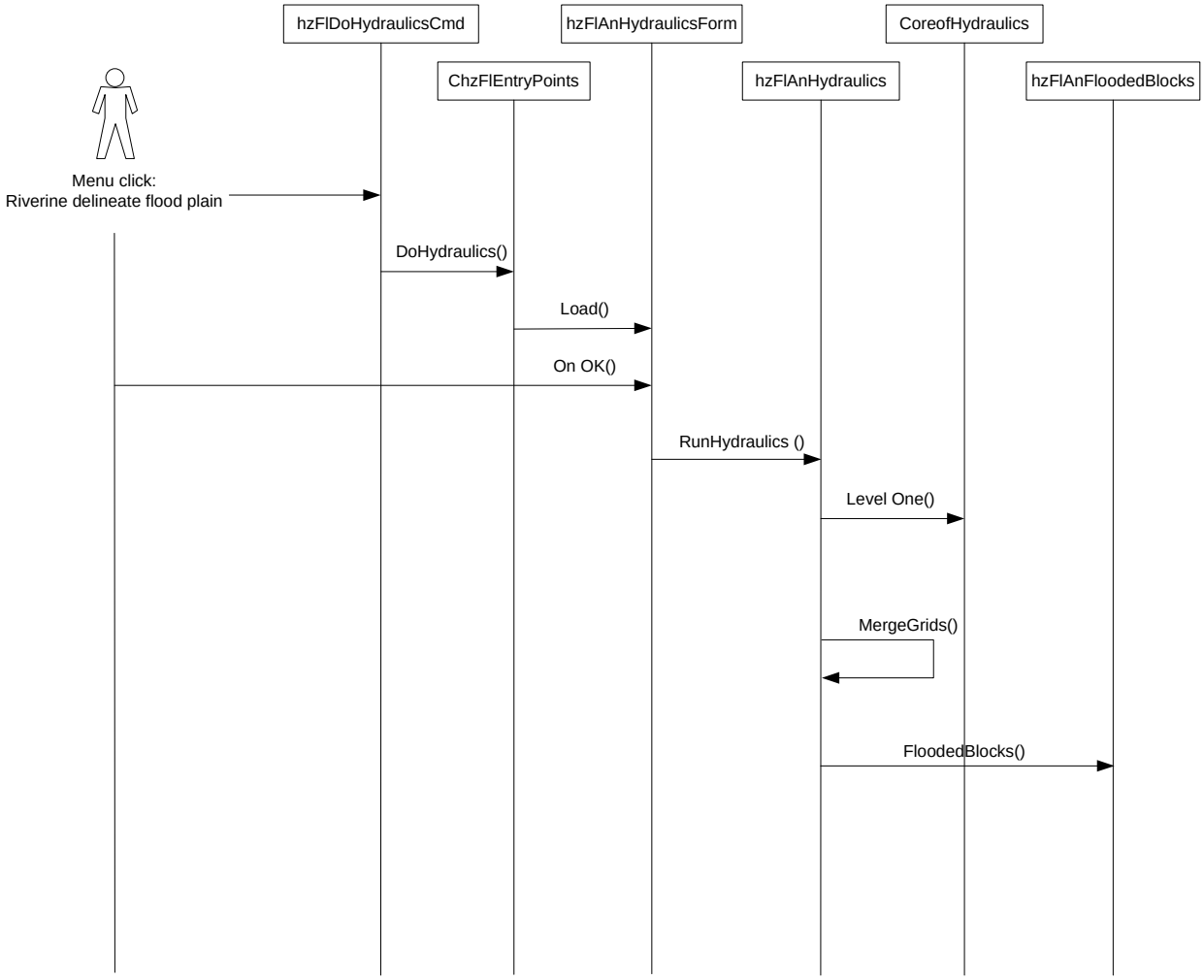

Figure 3-136 Hydraulics

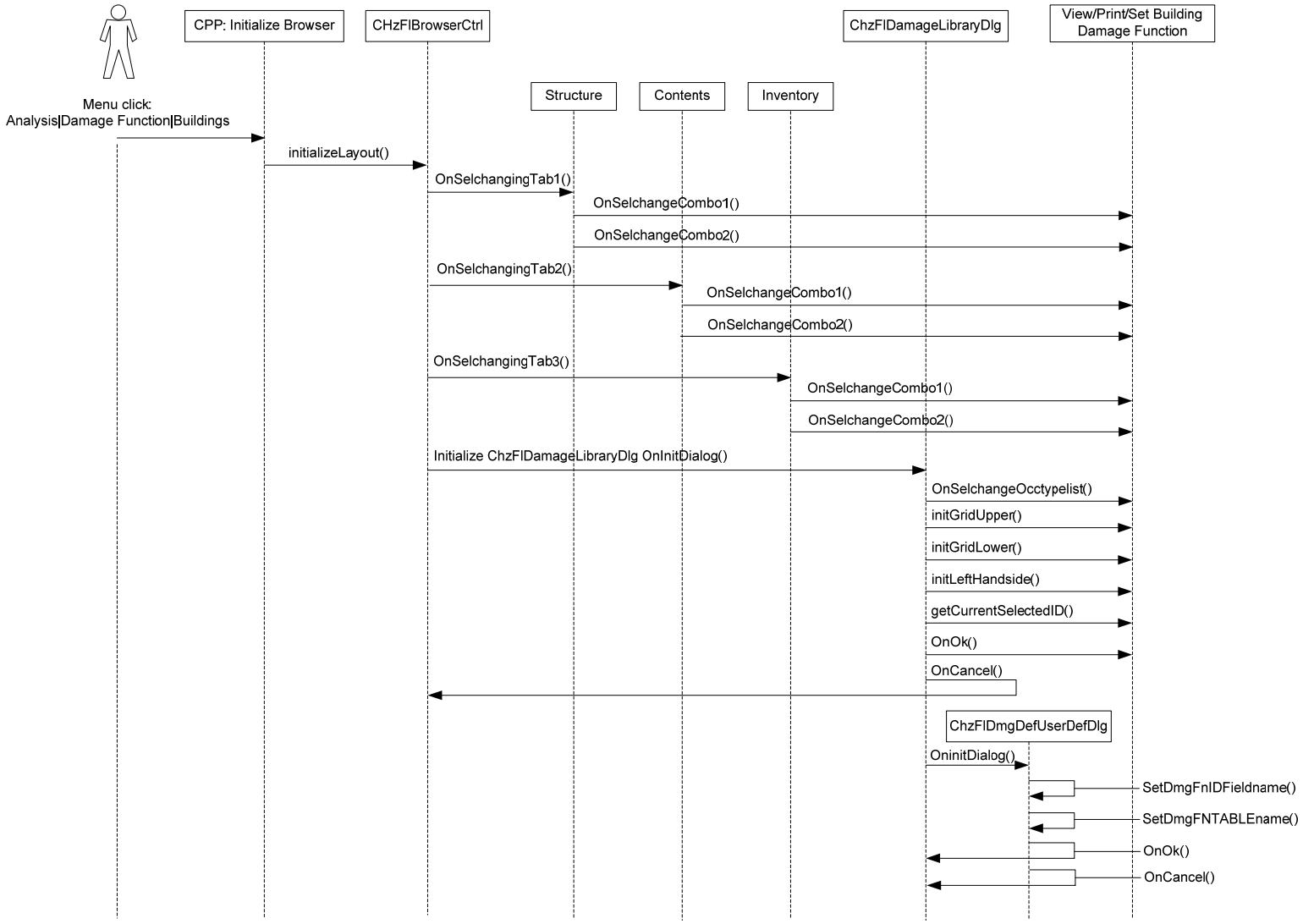

Figure 3-137 Building Damage Function

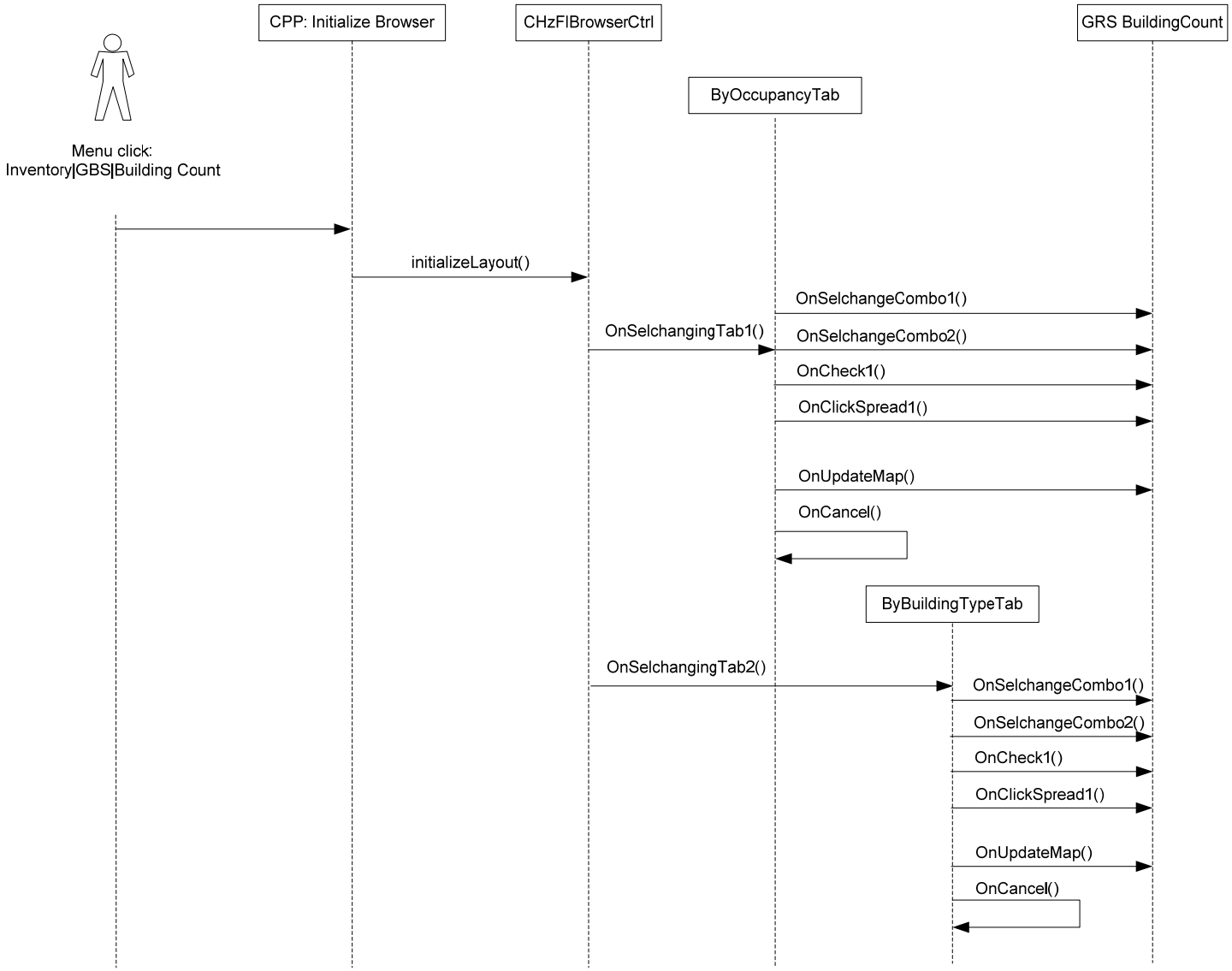

Figure 3-138 General Building Stock Building Count

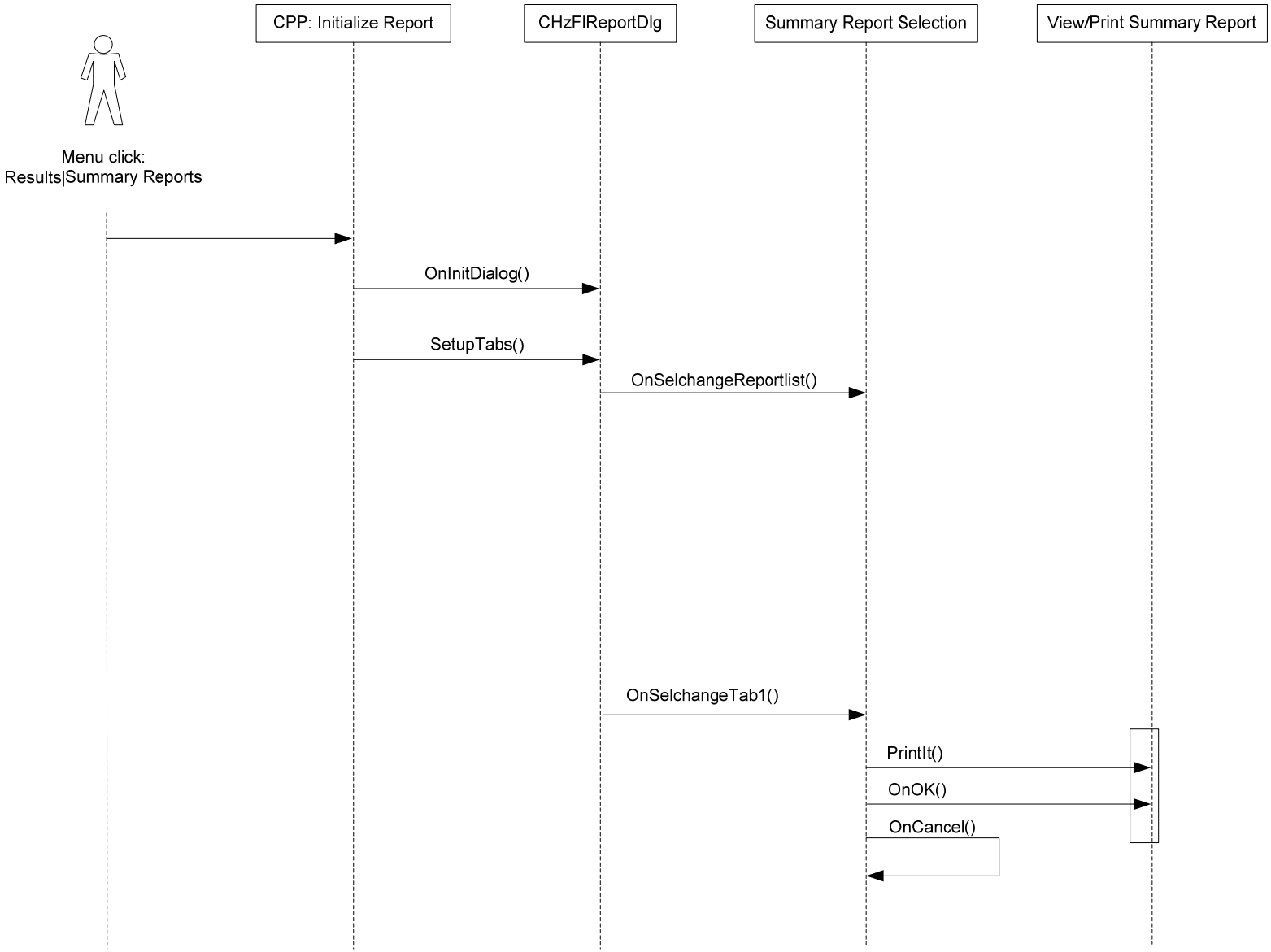

Figure 3-139 Summary Reports

3.3 API Design Description

The FL model API design was done on the fly. It satisfied the requirements of a working FL model at the time. It was not done with the thought of extending or scaling it up in mind. Further reengineering and refactoring of the existing code may be required to help satisfy any such requirement.

3.3.1 Launching the Flood Model

This section is described in the HAZUS Shell SDD.

3.3.2 Aggregating the Databases

This section is described in the HAZUS Shell SDD.

3.4 Error Handling Design

This section will describe how the FL model will incorporate error handling, for instance through error message boxes (to display brief description of the error), through error log files (for detailed error messages) specific to the FL generalized process it occurred in (flDTSLog, flHydrologyLog, flHydraulicsLog, flAnalysisLog, etc.), or in the Application Event Log when HAZUS Shell or DTS errors are thrown early in the aggregation process and the SR does not exist yet, and none of the FL generalized processes have occurred yet. Regardless of the programming language (VB, VC++, T-SQL) the error log messages have been standard formatted. Those include date/time stamp, module it occurred in, and the actual error message.

3.4.1 Sample VB error handler

```
On Error GoTo ErrorHandler
…
Exit Function
ErrorHandler:
    g_strCurrentModule = "CreateShapefile"
    Call LogMessageNew(g_LogCategory, g_strCurrentModule, "Error: " &
Err.Description _
        & vbCrLf & "Name: " & strFileName, g_LogPath)
End Function
```

3.4.2 Sample VC++ error handler

```
try {…}
catch (_com_error &e) {
rc = -1; // failed
```

```
      _bstr_t     src = e.Source();
      _bstr_t     desc = e.Description();
      HRESULT ErrNo = e.Error();

      ATLTRACE("\nCBrowserDlg::GetViewNameAndPK\n******BEG*******\nErrN
o=0x%x\nErrorMessage=%s\nDescription=%s\nErrDesc=%s\n******END*******\n
", ErrNo, (char *)src, (char *) desc, e.ErrorMessage());

MessageBox("Error Source: "+src+"\nDescription: "+desc,
"CBrowserDlg::GetViewNameAndPK", MB_OK|MB_ICONERROR);
}
```

3.4.3 Sample T-SQL error handler

```
BEGIN TRY
…
END TRY
BEGIN CATCH
    exec absp_GetErrorInfo
END CATCH

------------------------------------------------------------
 -- Type: Stored Procedure
 -- Name: absp_GetErrorInfo
 -- Note: For the CATCH statements. Added output to log file
 -- By:   Will Talamaivao, Nikolay Todorov
 ------------------------------------------------------------
CREATE PROCEDURE  absp_GetErrorInfo
AS
      declare @msg as varchar(1000), @module as varchar(100)
    SELECT
            @module='! '+ERROR_PROCEDURE(),
        @msg='"'+ERROR_MESSAGE()+'"'+
        '  Line: '+cast(ERROR_LINE() as varchar(10))+
            '  No: '+cast(ERROR_NUMBER() as varchar(10))+
            '  Sev: '+cast(ERROR_SEVERITY() as varchar(10))+
        '  State: '+cast(ERROR_STATE() as varchar(10))
      print @module+': '+@msg
      exec absp_logmessage @msg, @module
GO
```

4. Detailed Design Description

This section provides individual dynamic linked libraries (.DLL) reverse-engineered detailed design description of the FL object model. Included are interfaces, classes, modules, forms, properties, methods, member variables, and constants that have been designed by the Flood Model development team. This section does not include third party (such as Microsoft, ESRI, SAP, FarPoint Software, etc) object model descriptions.

4.1 Data Access Layer Detailed Design Description

4.1.1 Core Data (hzFlDaCore) Library

Classification: ChzFlLayoutItem

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_Control	<unspecified>	protected	1	
m_LayoutName	<unspecified>	protected	1	
m_Property	<unspecified>	protected	1	
m_Value	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlLayoutItem	<None>	public	☐	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Control	<None>	public	☑	instance
get_LayoutName	<None>	public	☑	instance
get_Property	<None>	public	☑	instance
get_Value	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
put_Control	<None>	public	☑	instance
put_LayoutName	<None>	public	☑	instance
put_Property	<None>	public	☑	instance
put_Value	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlLayoutItems

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_BaseList	<unspecified>	protected	1	
m_ConnectionString	<unspecified>	protected	1	
m_ItemList	<unspecified>	protected	1	
m_ItemListDisp	<unspecified>	protected	1	
m_LayoutName	<unspecified>	protected	1	
m_pConnection	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlLayoutItems	<None>	public	☐	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get__NewEnum	<None>	public	☑	instance
get_Count	<None>	public	☑	instance
get_Item	<None>	public	☑	instance
GetEnum	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
LoadLayout	<None>	public	☑	instance
LoadReport	<None>	public	☑	instance
LoadReportNames	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
QueryTableFromSql	<None>	protected	☐	instance
Release	<None>	public	☑	instance
SetupLayoutSqlString	<None>	protected	☐	instance
UpdateRegistry	<None>	public	☐	classifier
VBTest	<None>	public	☑	instance

4.1.2 Data Transformation Services (hzFlDts) Library

Classification: CErrorManager

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_bstrDescription	<unspecified>	public	1	
m_bstrSource	<unspecified>	public	1	
m_hr	<unspecified>	public	1	
m_iid	<unspecified>	public	1	
m_pErrInfo	<unspecified>	public	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CErrorManager	<None>	public	☐	instance
CErrorManager	<None>	public	☐	instance
CErrorManager	<None>	public	☐	instance
CErrorManager	<None>	public	☐	instance
ComError	<None>	public	☐	instance
Display	<None>	public	☐	instance
ForwardError	<None>	public	☐	instance
GetDescription	<None>	public	☐	instance
GetDescriptionFromHRESULT	<None>	public	☐	instance
GetError	<None>	public	☐	instance
GetErrorInfo	<None>	public	☐	instance
GetGUID	<None>	public	☐	instance
GetProgID	<None>	public	☐	instance
GetSource	<None>	public	☐	instance
SupportsErrorInfo	<None>	public	☐	classifier

Classification: ChzFlEventLog

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
LogErrorEventMessageForAnalysis	<None>	public	☐	classifier
LogErrorEventMessageForDTS	<None>	public	☐	classifier
LogErrorEventMessageForFramework	<None>	public	☐	classifier
LogEventMessage	<None>	protected	☐	classifier
LogInfoEventMessageForAnalysis	<None>	public	☐	classifier
LogInfoEventMessageForDTS	<None>	public	☐	classifier
LogInfoEventMessageForFramework	<None>	public	☐	classifier

Classification: ChzFlDtsService

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_CreatingSR	<unspecified>	protected	1	
m_DataPath1	<unspecified>	protected	1	
m_DataPath2	<unspecified>	protected	1	
m_DoSingle	<unspecified>	protected	1	
m_DsnStudyRegion	<unspecified>	protected	1	
m_FloodDataPath	<unspecified>	protected	1	
m_ipPackage	<unspecified>	protected	1	
m_LogFileName	<unspecified>	protected	1	
m_PackageList	<unspecified>	protected	1	
m_PackageListErr	<unspecified>	protected	1	
m_SeamlessDTS	<unspecified>	protected	1	
m_ServerName	<unspecified>	protected	1	
m_SingleName	<unspecified>	protected	1	
m_stateFolderName	<unspecified>	protected	1	
m_StudyRegionName	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlDtsService	<None>	public	☐	instance
~ChzFlDtsService	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
BeginDTSPackage	<None>	public	☑	instance
BeginDTSPackageSingle	<None>	public	☑	instance
CreateStudyRegionMxd	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
ImportMR2ToMR3	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
LogFileMessageForDTS	<None>	protected	☐	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
ReleasePackageConnections	<None>	protected	☐	instance
RetryStepOK	<None>	protected	☐	instance
RunPackage	<None>	protected	☐	instance
RunPackageList	<None>	protected	☐	instance
RunStep	<None>	protected	☐	instance
SetPackageConnections	<None>	protected	☐	instance
SetPackageSteps	<None>	protected	☐	instance
SetPackageTasks	<None>	protected	☐	instance
SetTestRecursion	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: IhzFlDtsService

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
BeginDTSPackage	<None>	public	☑	instance
BeginDTSPackageSingle	<None>	public	☑	instance
CreateStudyRegionMxd	<None>	public	☑	instance
ImportMR2ToMR3	<None>	public	☑	instance
SetTestRecursion	<None>	public	☑	instance
			☐	

Classification: ChzFlFsoWrapper

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_ipFso	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlFsoWrapper	<None>	public	☐	instance
~ChzFlFsoWrapper	<None>	public	☑	instance
CopyDir	<None>	public	☐	instance
CreateDir	<None>	public	☐	instance
DeleteDir	<None>	public	☐	instance

4.1.3 DTS Packages Design Description

4.1.3.1 Agriculture (flAG) DTS Package

Copy type: data pump from <State Data DVD>\flAG.mdb to <SR DB>

Package type: data needs to be pumped for each state processed

Name	Populated
flAgricultureInventory	☒
flAgricultureSubRegions	☐

4.1.3.2 System (flBASE) DTS Package

Copy type: pump from <DATA\FL> folder\flBASE.mdb to syHazus

Package type: data needs only be pumped once (at the first state)

Name	Populated
flAnalysisOptions	☒
flBrowserControl	☒
flCustomUI	☒
flReportControl	☒
flSPControl	☒

4.1.3.3 Damage and Restoration Functions (flDMRSFN) DTS Package

Copy type: pump from <DATA\FL>folder\flDMRSFN.mdb to <SR DB>

Package type: data needs only be pumped once (at the first state)

Name	Populated
flAgDmgFn	☒
flBldgContDmgFn	☒
flBldgContDmgNonResUnionDetails	☒
flBldgContDmgRES1_2UnionDetails	☒
flBldgContDmgRES3UnionDetails	☒
flBldgContDmgXRef	☒
flBldgInvDmgFn	☒
flBldgInvDmgNonResUnionDetails	☒
flBldgInvDmgXRef	☒
flBldgStructDmgFn	☒
flBldgStructDmgNonResUnionDetails	☒
flBldgStructDmgRES1_2UnionDetails	☒
flBldgstructDmgRES3UnionDetails	☒
flBldgStructDmgXRef	☒
flBridgeDmgFn	☒
flBridgeDmgXRef	☒
flBridgeUnionDetails	☒
flEssntfltyContDmgFn	☒
flEssntfltyContDmgXRef	☒
flEssntfltyContUnionDetails	☒
flUtilfltyDmgFn	☒
flUtilfltyDmgUnionDetails	☒

(Continued)

Name	Populated
flUtilfltyDmgXRef	☒
flEssntfltyStructDmgFn	☒
flEssntfltyStructDmgXRef	☒
flEssntfltyStructUnionDetails	☒
flRsFnEssntFlty	☒
flRsFnGBS	☒
flVehDmgFn	☒
flVehDmgUnionDetails	☒
flVehDmgXRef	☒
flProcessParams	☒

4.1.3.4 Direct and Indirect Economic Parameters (flECON) DTS Package

Copy type: pump from <DATA\FL>folder\flECON.mdb to <SR DB>

Package type: data needs only be pumped once (at the first state)

Name	Populated
flBldgEconParamOwnerOccupied	☒
flBldgEconParamRecaptureFactors	☒
flBldgEconParamRental	☒
flBldgEconParamSalesAndInv	☒
flBldgEconParamWageCapitalIncome	☒
flDebris	☒
ClGBldgType	☒
ClGenOccupancy	☒
ClSOccupancy	☒
flShelterParams	☒
flERSreg	☒
flERSregName	☒
flIELMImplan2HazusSectorMap	☒
flIELMOccup2SectorMap	☒
flIELMParams	☒
flIELMParamsByTime	☒
flIELMStimulus	☒
flIELMDirLossBySOccup	☒
flIELMLossResults	☒
flIELMLossResults_2	☒
flIELMImplanData	☒
flIELMParamsByTimeOrder	☒

4.1.3.5 Essential Facilities (flEF) DTS Package

Copy type: data pump from <State Data DVD>\EF.mdb to <SR DB>

Package type: data needs to be copied for each state processed

Name	Populated
flCareFlty	☒
flEmergencyCtr	☒
flFireStation	☒
flPoliceStation	☒
flSchool	☒

4.1.3.6 Default (flFloodDfltTables) DTS Package

Copy type: pump from <DATA\FL>folder\flFloodDfltTables.mdb to <SR DB>

Package type: data needs only be pumped once (at the first state)

Name	Populated
flAgeDistribution	☒
flBlockType	☒
flCareFltyDflt	☒
flDecadeDescription	☒
flDepFunction	☒
flDepth	☒
flElectricPowerFltyDflt	☒
flEmergencyCtrDflt	☒
flFireStationDflt	☒
flFIRM	☒
flFoundation	☒
flFoundationType	☒
flFFEKey	☒
flFFEValues	☒
flGBSOccupInv	☒
flHazType	☒
flHighwayBridgeDflt	☒
flLightRailBridgeDflt	☒
flNaturalGasFltyDflt	☒
flOilFltyDflt	☒
flPoliceStationDflt	☒

(Continued)

Name	Populated
flPotableWaterFltyDflt	☒
flRailwayBridgeDflt	☒
flSchoolDflt	☒
flSOccupIDBase	☒
flSOccupStoriesXRef	☒
flStateFIPSRES1	☒
flStateFIPSRES2	☒
flStateFIPSRES3	☒
flWasteWaterFltyDflt	☒
flZone	☒

4.1.3.7 General Building Stock (flGBS) DTS Package

Copy type: data pump from <State Data DVD>\bndrygbs.mdb to <SR DB>

Package type: data needs to be pumped for each state processed

Name	Populated
flBldgAges	☐
flDepExposureContentGBldgTypeB	☐
flDepExposureContentOccupB	☐
flDepExposureGBldgTypeB	☐
flDepExposureGBldgTypeTotal	☐
flDepExposureOccupB	☐
flDepExposureOccupTotal	☐
flExposureGBldgTypeTotal	☐
flExposureOccupTotal	☐
flSqFootageGBldgTypeB	☐
flUserDefinedFlty	☐

4.1.3.8 HAZUS-MH MR2 to MR3 Backward Compatibility (flMR3Imp) DTS Package

Copy type: pump from <DATA\FL> folder\flMR3Imp.mdb to <SR DB>

Package type: data needs only be pumped once (at the first state)

4.1.3.9 Mapping Schemes (flMSH) DTS Package

Copy type: data pump from <State Data DVD>\ MSH.mdb to <SR DB>

Package type: data needs to be pumped for each state processed

Name	Populated
FlSchemeInfo	☒
flSchemeMapping	☒
flSchemeRiverine	☒
flschemeGLakes	☒
flSchemeCoastal	☒

4.1.3.10 Transportation (flTRN) DTS Package

Copy type: data pump from <State Data DVD>\ flTRN.mdb to <SR DB>

Package type: data needs to be pumped for each state processed

Name	Populated
flExposureTransport	☐
flHighwayBridge	☒
flLightRailBridge	☒
flRailwayBridge	☒

4.1.3.11 Utilities (flUTIL) DTS Package

Copy type: pump from <DATA\FL>folder\ flUTIL.mdb to <SR DB>

Package type: data needs only be pumped once (at the first state)

Name	Populated
flElectricPowerFlty	☒
FlExposureUtil	☐
FlNaturalGasFlty	☒
FlNaturalGasPl	☒
FlOilFlty	☒
FlOilPl	☒
flPotableWaterFlty	☒
FlPotableWaterPl	☒
FlWasteWaterFlty	☒
FlWasteWaterPl	☒

4.1.3.12 Vehicles (flVEH) DTS Package

Copy type: data pump from <State Data DVD>\ flVEH.mdb to <SR DB>

Package type: data needs to be pumped for each state processed

Name	Populated
flDayVehicleInv	☒
flNightVehicleInv	☒

4.1.3.13 XTRA (flXTRA) DTS Package

Copy type: data pump from <DATA\FL>folder\flXTRA.mdb to <SR DB>

Package type: data needs only be pumped once (at the first state)

Name	Populated
flAgricultureAreaImport	☐
flAgricultureArea	☐
flAnAgriDmg	☐
flAnAgrTempResult	☐
flAnAreaWeighted	☐
flAnCoastalZone	☐
flAnDebrisBaseTabT	☐
flAnDebrisFin	☐
tempdb..flAnDebrisPostDmg	☐
FlAnDebrisPostFSF	☐
flAnDebrisPostFSFC	☐
tempdb..flAnDebrisPreDmg	☐
FlAnDebrisPreFSF	☐
FlAnDebrisT	☐
flAnDebrisYearBuiltReduced	☐
FlAnGBSBaseTabT	☐
flAnGBSCombinedDmgPostInv	☐
flAnGBSCombinedDmgPostInvC	☐
flAnGBSCombinedDmgPreInv	☐
flAnGBSIntDmgChk	☐
flAnGBSPostBuildingContent	☐
flAnGBSPostDmgVals	☐
flAnGBSPostDollDmg	☐
flAnGBSPostEmployment	☐
flAnGBSPostInvDmg	☐
flAnGBSPostOutput	☐
flAnGBSPostRelocation	☐
flAnGBSPostRental	☐
flAnGBSPreBuildingContent	☐
flAnGBSPreDmgVals	☐

Continued:

Name	Populated
flAnGBSPreDollDmg	☐
flAnGBSPreEmployment	☐
flAnGBSPreInvDmg	☐
FlAnGBSPreOutput	☐
flAnGBSPreRelocation	☐
FlAnGBSPreRental	☐
FlAnResultsControl	☐
FlAnShelterResult	☐
FlAnVehicleFinal	☐
FlCREssntFlty	☐
flFRAgricultureLossCounty	☐
flFRAgricultureLossSubCounty	☐
FlFRAirportFlty	☐
FlFRAirportRunway	☐
FlFRBusFlty	☐
FlFRCareFlty	☐
flFRCommunicationFlty	☐
FlFRDebris	☐
flFRElectricPowerFlty	☐
FlFREmergencyCtr	☐
flFREmploymentLoss	☐
flFREssntFltyLossTotal	☐
FlFRFerryFlty	☐
FlFRFireStation	☐
flFRGBSDepEcLossByGBldgType	☐
flFRGBSDepEcLossByGOccup	☐
flFRGBSDepEcLossBySOccup	☐
flFRGBSDepEcLossByTotal	☐
flFRGBSDmgCountGBldgType	☐
flFRGBSDmgCountGOccupB	☐
flFRGBSDmgCountSOccupB	☐
flFRGBSDmgGBldgType	☐
flFRGBSDmgGOccupB	☐
flFRGBSDmgSOccupB	☐
flFRGBSEcLossByGBldgType	☐
flFRGBSEcLossByGOccup	☐
flFRGBSEcLossByGOccupT	☐
flFRGBSEcLossBySOccup	☐
flFRGBSEcLossByTotal	☐
FlFRHighwayBridge	☐
flFRHighwaySegments	☐
flFRHighwayTunnel	☐
FlFRLightRailBridge	☐
FlFRLightRailFlty	☐
flFRLightRailSegments	☐
flFRLightRailTunnel	☐
FlFRNaturalGasFlty	☐
FlFRNaturalGasPl	☐

Continued:

Name	Populated
FlFROilFlty	☐
FlFROilPl	☐
FlFRPoliceStation	☐
FlFRPortFlty	☐
flFRPotableWaterFlty	☐
flFRPotableWaterPl	☐
FlFRRailwayBridge	☐
FlFRRailwayFlty	☐
flFRRailwaySegments	☐
FlFRRailwayTunnel	☐
FlFRSchool	☐
FlFRShelter	☐
flFRTranspLossTotal	☐
flFRUserDefinedFlty	☐
FlFRUtilityLossTotal	☐
flFRVehicleDamage	☐
FlFRVehicleLoss	☐
flFRWasteWaterFlty	☐
FlFRWasteWaterPl	☐
FlGBSFinal	☐
flReturnPeriod	☐
flRsFnGBST	☐
flStudyCase	☐
FlStudyCaseBlocks	☐
FlStudyCaseParms	☐
FlBridgeDmgFinal	☐

4.1.3.14 Views, Stored Procedures and User-Defined Functions (flVIEW) DTS Package

Copy type: pump from <DATA\FL>folder\flVIEW.mdb to <SR DB>

Package type: data needs only be pumped once (at the first state)

Name	Populated
absv_AgDmgFn	☒
absv_AgricultureLossCounty	☒
absv_AgricultureLossSubCounty	☒
absv_AirportFlty	☒
absv_AnnualGrossSales	☒
absv_BldgContDmgFn	☒
absv_BldgInvDmgFn	☒
absv_BldgStructDmgFn	☒
absv_BridgeClassificationes	☒
absv_BridgeDmgAn	☒
absv_BridgeDmgFn	☒
absv_BusFlty	☒
absv_BusinessInv	☒
absv_CareFlty	☒
absv_CommBroadcastFlty	☒
absv_CommCentralOfficesSwitchingStns	☒
absv_CommControlVaultsAndControlStations	☒
absv_CountyAgriRegions	☒
absv_CRAgricultureProductLoss	☒
absv_CRAgricultureProductsExposure	☒
absv_CRCareBedsNonFunctional	☒
absv_CRCareFunctionality	☒
absv_CRDayVehicleExposure	☒
absv_CRDebris	☒
absv_CRDepEconLossForBldgsAll	☒
absv_CRDirectEconLossForBldgsAll	☒
absv_CREconomicLossByGOccup	☒
absv_CREconomicLossByGOccupT	☒
absv_CRElectricPowerFltyDmgLoss	☒
absv_CREmergencyCtrFunctionality	☒
absv_CREssntFltyLossTotal	☒
absv_CREssntGlobalDmg	☒
absv_CRExposureTransp	☒
absv_CRExposureUtil	☒
absv_CRFireStationFunctionality	☒
absv_CRflSummaryGenData	☒
absv_CRGBSDmgCountGBldgType	☒
absv_CRGBSDmgCountGOccupAll	☒
absv_CRGBSDmgCountGOccupPost	☒
absv_CRGBSDmgCountGOccupPre	☒

(Continued)

Name	Populated
absv_CRGBSDmgGBldgType	☒
absv_CRGBSDmgGOccupAll	☒
absv_CRGBSDmgGOccupPost	☒
absv_CRGBSDmgGOccupPre	☒
absv_CRGlobalEssntFlty	☒
absv_CRHwyBridgeDmg	☒
absv_CRhzCounty	☒
absv_CRIELMWithAid	☒
absv_CRIELMWithoutAid	☒
absv_CRInvGBSExposureGBldgType	☒
absv_CRInvGBSExposureGOccupAllSC	☒
absv_CRInvGBSExposureGOccupAll	☒
absv_CRLtRailBridgeDmg	☒
absv_CRNightvehicleExposure	☒
absv_CRPoliceStationFunctionality	☒
absv_CRPotableWaterFltyDmgFunct	☒
absv_CRRailwayBridgeDmg	☒
absv_CRSchoolFunctionality	☒
absv_CRShelter	☒
absv_CRStudyCase	☒
absv_CRsyState	☒
absv_CRTranspLossTotal	☒
absv_CRUtilityLossTotal	☒
absv_CRVehDirectEcon	☒
absv_CRWasteWaterFltyDmgFunct	☒
absv_Dams	☒
absv_DayVehicleDollarExposure	☒
absv_DayVehicleInv	☒
absv_Debris	☒
absv_Demographics	☒
absv_DepFunction	☒
absv_DepParmCBMedianAge	☒
absv_ElectricPowerSubstations	☒
absv_EmergencyCtr	☒
absv_EssntFltyContDmgFn	☒
absv_EssntFltyStructDmgFn	☒
absv_ExposureTransport	☒
absv_ExposureUtil	☒
absv_FerryFlty	☒
absv_FireStation	☒
absv_FRAirportFlty	☒
absv_FRAirportRunway	☒
absv_FRBusFlty	☒
absv_FRCareFlty	☒
absv_FRCommBroadcastFlty	☒
absv_FRCommCentralOfficesSwitchingStns	☒
absv_FRCommControlVaultsAndControlStations	☒

(Continued)

Name	Populated
absv_FRDebris	☒
absv_FRElectricPowerPlants	☒
absv_FRElectricPowerSubstations	☒
absv_FREmergencyCtr	☒
absv_FRFerryFlty	☒
absv_FRFireStation	☒
absv_FRGBSDepEcLossByBldgTypeAll	☒
absv_FRGBSDepEcLossByBldgTypePost	☒
absv_FRGBSDepEcLossByBldgTypePre	☒
absv_FRGBSDepEcLossByGOccupAll	☒
absv_FRGBSDepEcLossByGOccupPost	☒
absv_FRGBSDepEcLossByGOccupPre	☒
absv_FRGBSDepEcLossBySOccupAll	☒
absv_FRGBSDepEcLossBySOccupPost	☒
absv_FRGBSDepEcLossBySOccupPre	☒
absv_FRGBSDepEcLossByTotalAll	☒
absv_FRGBSDepEcLossByTotalPost	☒
absv_FRGBSDepEcLossByTotalPre	☒
absv_FRGBSDmgCountGBldgTypeAll	☒
absv_FRGBSDmgCountGBldgTypePost	☒
absv_FRGBSDmgCountGBldgTypePre	☒
absv_FRGBSDmgCountGOccupAll	☒
absv_FRGBSDmgCountGOccupPost	☒
absv_FRGBSDmgCountGOccupPre	☒
absv_FRGBSDmgCountSOccupAll	☒
absv_FRGBSDmgCountSOccupPost	☒
absv_FRGBSDmgCountSOccupPre	☒
absv_FRGBSDmgSqFtGBldgTypeAll	☒
absv_FRGBSDmgSqFtGBldgTypePost	☒
absv_FRGBSDmgSqFtGBldgTypePre	☒
absv_FRGBSDmgSqFtGOccupAll	☒
absv_FRGBSDmgSqFtGOccupPost	☒
absv_FRGBSDmgSqFtGOccupPre	☒
absv_FRGBSDmgSqFtSOccupAll	☒
absv_FRGBSDmgSqFtSOccupPost	☒
absv_FRGBSDmgSqFtSOccupPre	☒
absv_FRGBSEcLossByGBldgTypeAll	☒
absv_FRGBSEcLossByGBldgTypePost	☒
absv_FRGBSEcLossByGBldgTypePre	☒
absv_FRGBSEcLossByGOccupAll	☒
absv_FRGBSEcLossByGOccupPost	☒
absv_FRGBSEcLossByGOccupPre	☒
absv_FRGBSEcLossBySOccupAll	☒
absv_FRGBSEcLossBySOccupPost	☒
absv_FRGBSEcLossBySOccupPre	☒
absv_FRGBSEcLossByTotalAll	☒
absv_FRGBSEcLossByTotalPost	☒
absv_FRGBSEcLossByTotalPre	☒
absv_FRHighwayBridge	☒
absv_FRHighwaySegments	☒

(Continued)

Name	Populated
absv_FRHighwayTunnel	☒
absv_FRLightRailBridge	☒
absv_FRLightRailFlty	☒
absv_FRLightRailSegments	☒
absv_FRLightRailTunnel	☒
absv_FRNaturalGasCompressorPlants	☒
absv_FRNaturalGasCtrlVltsAndCtrlStns	☒
absv_FRNaturalGasPl	☒
absv_FROilCtrlVaultsCtrlStns	☒
absv_FROilPl	☒
absv_FROilPumpingPlants	☒
absv_FROilRefinery	☒
absv_FROilTankFarm	☒
absv_FRPoliceStation	☒
absv_FRPortFlty	☒
absv_FRPotableWaterControlVaults	☒
absv_FRPotableWaterFlty	☒
absv_FRPotableWaterPl	☒
absv_FRPotableWaterPumps	☒
absv_FRPotableWaterTanks	☒
absv_FRPotableWaterWells	☒
absv_FRRailFlty	☒
absv_FRRailwayBridge	☒
absv_FRRailwaySegment	☒
absv_FRRailwayTunnel	☒
absv_FRSchool	☒
absv_FRShelter	☒
absv_FRUserDefinedFlty	☒
absv_FRVehDamage	☒
absv_FRVehLoss	☒
absv_FRWasteWaterCtrlVltsAndCtrlStns	☒
absv_FRWasteWaterLiftStations	☒
absv_FRWasteWaterPl	☒
absv_FRWasteWaterTreatmentPlants	☒
absv_GBSPostCount	☒
absv_GBSPostDepContExp	☒
absv_GBSPostDepContExpC	☒
absv_GBSPostDepDollExp	☒
absv_GBSPostDepDollExpC	☒
absv_GBSPostDepExp	☒
absv_GBSPostDollExp	☒
absv_GBSPostSquareFeet	☒
absv_GBSPreCount	☒
absv_GBSPreDepContExp	☒
absv_GBSPreDepDollExp	☒
absv_GBSPreDepExp	☒
absv_GBSPreDollExp	☒
absv_GBSPreSquareFeet	☒
absv_Hazmat	☒
absv_HighwayBridge	☒

(Continued)

Name	Populated
absv_HighwaySegment	☒
absv_HighwayTunnel	☒
absv_IELMEmpWithAid	☒
absv_IELMEmpWithoutAid	☒
absv_IELMIncWithAid	☒
absv_IELMIncWithoutAid	☒
absv_IELMParam4	☒
absv_IELMParam5	☒
absv_IELMParam6	☒
absv_InvFFEValuesDef	☒
absv_InvFFEValuesUDef	☒
absv_InvGBSBldgCountBldgType	☒
absv_InvGBSBldgCountOccupGen	☒
absv_InvGBSBldgCountOccupSpec	☒
absv_InvGBSDepExposureBldgGBldgType	☒
absv_InvGBSDepExposureBldgGOccup	☒
absv_InvGBSDepExposureBldgSOccup	☒
absv_InvGBSDepExposureContentGBldgType	☒
absv_InvGBSDepExposureContentGOccup	☒
absv_InvGBSDepExposureContentSOccup	☒
absv_InvGBSDepExposureTotalGBldgType	☒
absv_InvGBSDepExposureTotalGOccup	☒
absv_InvGBSDepExposureTotalSOccup	☒
absv_InvGBSDepParmMedAge	☒
absv_InvGBSExposureBldgGBldgType	☒
absv_InvGBSExposureBldgGOccup	☒
absv_InvGBSExposureBldgSOccup	☒
absv_InvGBSExposureContentGBldgType	☒
absv_InvGBSExposureContentGOccup	☒
absv_InvGBSExposureContentSOccup	☒
absv_InvGBSExposureTotalGBldgType	☒
absv_InvGBSExposureTotalGOccup	☒
absv_InvGBSExposureTotalSOccup	☒
absv_InvGBSOccupMapBldgAge	☒
absv_InvGBSSqFootageCounty	☒
absv_InvGbsSqFt	☒
absv_InvGbsSqFtFactors	☒
absv_InvGbsValParmBasement	☒
absv_InvGbsValParmGarages	☒
absv_Levees	☒
absv_LightRailBridge	☒
absv_LightRailFlty	☒
absv_LightRailSegment	☒
absv_LightRailTunnel	☒
absv_MeansLocationFactors	☒
absv_Military	☒
absv_NaturalGasCompressorPlants	☒
absv_NaturalGasCtrlVltsAndCtrlStns	☒
absv_NaturalGasPl	☒
absv_NightVehicleDollarExposure	☒

(Continued)

Name	Populated
absv_NightVehicleInv	☒
absv_NonResNumberStories	☒
absv_NuclearFlty	☒
absv_OilCtrlVaultsCtrlStns	☒
absv_OilPl	☒
absv_OilPumpingPlants	☒
absv_OilRefineries	☒
absv_OilTankFarm	☒
absv_OtherResNumberStories	☒
absv_OwnerOccupied	☒
absv_PctContentOfStructureValue	☒
absv_PoliceStation	☒
absv_PortFlty	☒
absv_PotableWaterControlVaults	☒
absv_PotableWaterFacility	☒
absv_PotableWaterPl	☒
absv_PotableWaterPumps	☒
absv_PotableWaterTanks	☒
absv_PotableWaterWells	☒
absv_PowerPlants	☒
absv_RailFlty	☒
absv_RailwayBridge	☒
absv_RailwaySegment	☒
absv_RailwayTunnel	☒
absv_RecaptureFactors	☒
absv_RentalParam	☒
absv_ReplacementCost	☒
absv_Res1ConstructionWt	☒
absv_Res1GarageAdjustment	☒
absv_Res1NumberStories	☒
absv_Res1ReplCost	☒
absv_RsFnEssntFlty	☒
absv_RsFnGBS	☒
absv_Runway	☒
absv_SchemeCoastalPost	☒
absv_SchemeCoastalPre	☒
absv_SchemeGLakesPost	☒
absv_SchemeGLakesPre	☒
absv_SchemeMapping	☒
absv_SchemeRiverinePost	☒
absv_SchemeRiverinePre	☒
absv_School	☒
absv_ShelterParamAge	☒
absv_ShelterParamIncome	☒
absv_ShelterParamWeighting	☒
absv_SubCountyAgriRegions	☒
absv_UDEFlty	☒
absv_UDEFSOccupLookUp	☒
absv_UserDefinedFlty	☒
absv_UtilFltyDmgFn	☒

(Continued)

Name	Populated
absv_UtilzCommDmgFn	☒
absv_UtilzEPowerDmgFn	☒
absv_UtilzNGasDmgFn	☒
absv_UtilzOilDmgFn	☒
absv_UtilzPWaterDmgFn	☒
absv_UtilzWWaterDmgFn	☒
absv_VehDmgFn	☒
absv_ViewClassAirportFlty	☒
absv_ViewClassAirportRunway	☒
absv_ViewClassBldgType	☒
absv_ViewClassBusFlty	☒
absv_ViewClassCareFlty	☒
absv_ViewClassCommFlty	☒
absv_ViewClassDams	☒
absv_ViewClassElectricPowerFlty	☒
absv_ViewClassEmergencyCtr	☒
absv_ViewClassFerryFlty	☒
absv_ViewClassFireStation	☒
absv_ViewClassHazMat	☒
absv_ViewClassHwyBridge	☒
absv_ViewClassHwySegments	☒
absv_ViewClassHwyTunnels	☒
absv_ViewClassLevee	☒
absv_ViewClassLightRailBridge	☒
absv_ViewClassLightRailFlty	☒
absv_ViewClassLightRailSegments	☒
absv_ViewClassLightRailTunnels	☒
absv_ViewClassMilitary	☒
absv_ViewClassNaturalGasFlty	☒
absv_ViewClassNaturalGasPl	☒
absv_ViewClassNuclear	☒
absv_ViewClassOccup	☒
absv_ViewClassOilFlty	☒
absv_ViewClassOilPl	☒
absv_ViewClassPoliceStation	☒
absv_ViewClassPortFlty	☒
absv_ViewClassPotableWaterFlty	☒
absv_ViewClassPotableWaterPl	☒
absv_ViewClassRailwayBridge	☒
absv_ViewClassRailwayFlty	☒
absv_ViewClassRailwaySegments	☒
absv_ViewClassRailwayTunnels	☒
absv_ViewClassSchool	☒
absv_ViewClassWasteWaterFlty	☒
absv_ViewClassWasteWaterPl	☒
absv_WageCapitalIncome	☒
absv_WasteWaterCtrlVltsAndCtrlStns	☒
absv_WasteWaterLiftStations	☒
absv_WasteWaterPl	☒
absv_WasteWaterTreatmentPlants	☒

4.2 Application Layer Detailed Design Description

4.2.1 Workflow (hzFlAnWorkFlow) Library

Classification: CDrawBreakLine

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_pActiveView	esriCarto::IActiveView	private	1	
m_pScreenDisplay	esriDisplay::IScreenDisplay	private	1	
m_pNewLineFeedback	esriDisplay::INewLineFeedb...	private	1	
m_strSelShoreName	VB::String	private	1	"ChosenShorelines"
m_strShoreStart	VB::String	private	1	"ShoreStart"
m_strShoreEnd	VB::String	private	1	"ShoreEnd"
m_strTypeFieldName	VB::String	private	1	"Type_"
m_strShoreBreak	VB::String	private	1	"ShoreBreak"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Terminate	<None>	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
get_ITool_Cursor	esriSystem::OLE_HANDLE	private	☐	instance
ITool_OnMouseDown	<None>	private	☐	instance
ITool_OnMouseMove	<None>	private	☐	instance
ITool_OnMouseUp	<None>	private	☐	instance
ITool_OnDblClick	<None>	private	☐	instance
ITool_OnKeyDown	<None>	private	☐	instance
ITool_OnKeyUp	<None>	private	☐	instance
ITool_OnContextMenu	VB::Boolean	private	☐	instance
ITool_Refresh	<None>	private	☐	instance
ITool_Deactivate	VB::Boolean	private	☐	instance
get_ICommandItem_Action	VB::String	private	☐	instance
let_ICommandItem_Action	<None>	private	☐	instance
get_ICommandItem_BuiltIn	VB::Boolean	private	☐	instance
get_ICommandItem_Category	VB::String	private	☐	instance
get_ICommandItem_Command	esriSystemUI::ICommand	private	☐	instance
ICommandItem_Delete	<None>	private	☐	instance
get_ICommandItem_FaceID	External Classes::Variant	private	☐	instance
let_ICommandItem_FaceID	<None>	private	☐	instance

Classification: CDrawBreakLine Operations (Continued)

get_ICommandItem_Group	VB::Boolean	private	☐	instance
let_ICommandItem_Group	<None>	private	☐	instance
get_ICommandItem_HelpFile	VB::String	private	☐	instance
let_ICommandItem_HelpFile	<None>	private	☐	instance
get_ICommandItem_HelpContextID	VB::Long	private	☐	instance
let_ICommandItem_HelpContextID	<None>	private	☐	instance
get_ICommandItem_ID	esriSystem::IUID	private	☐	instance
get_ICommandItem_Index	VB::Long	private	☐	instance
get_ICommandItem_Name	VB::String	private	☐	instance
let_ICommandItem_Name	<None>	private	☐	instance
get_ICommandItem_Caption	VB::String	private	☐	instance
let_ICommandItem_Caption	<None>	private	☐	instance
get_ICommandItem_Parent	esriFramework::ICommandBar	private	☐	instance
ICommandItem_Reset	<None>	private	☐	instance
get_ICommandItem_Style	esriSystemUI::esriCommandStyles	private	☐	instance
let_ICommandItem_Style	<None>	private	☐	instance
get_ICommandItem_Tag	VB::String	private	☐	instance
let_ICommandItem_Tag	<None>	private	☐	instance
get_ICommandItem_Tooltip	VB::String	private	☐	instance
let_ICommandItem_Tooltip	<None>	private	☐	instance
get_ICommandItem_Type	esriFramework::esriCommandTy...	private	☐	instance
get_ICommandItem_Message	VB::String	private	☐	instance
let_ICommandItem_Message	<None>	private	☐	instance
ICommandItem_Execute	<None>	private	☐	instance
ICommandItem_Refresh	<None>	private	☐	instance

Classification: CFilterDraw

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ICustomizationFilter_OnCustomizationEvent	VB::Boolean	private	☐	instance

Classification: CFolderFilter

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
pFolderFilter	esriCatalog::IGxObjectFilter	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Initialize	<None>	private	☐	instance
Class_Terminate	<None>	private	☐	instance
IGxObjectFilter_CanChooseObject	VB::Boolean	private	☐	instance
IGxObjectFilter_CanDisplayObject	VB::Boolean	private	☐	instance
IGxObjectFilter_CanSaveObject	VB::Boolean	private	☐	instance
get_IGxObjectFilter_Description	VB::String	private	☐	instance
get_IGxObjectFilter_Name	VB::String	private	☐	instance

Classification: CHazardVariables

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_HazardType	External Classes::hzFlRivCoastBoth	private	1	
m_HazardProcess	External Classes::FlAnHazardProcess	private	1	
m_DEMPathAndNames	External Classes::Collection	private	1	
m_dblDrainageArea	VB::Double	private	1	
m_strVerticalUnits	VB::String	private	1	
m_strHydraulicsGDB	VB::String	private	1	
m_strReachFClass	VB::String	private	1	
m_strADOConnection	VB::String	private	1	
m_lngADOConnectionID	VB::Long	private	1	
m_blnFITIncluded	VB::Boolean	private	1	
m_strScenarioPath	VB::String	private	1	
m_lngFLID	VB::Long	private	1	
m_lngReturnPeriod	VB::Long	private	1	
m_dblDischarge	VB::Double	private	1	
m_strHydroPath	VB::String	private	1	
m_dblLTErosionRate	VB::Double	private	1	
m_lngLTErosionDuration	VB::Long	private	1	
m_blnFITAnalysis	VB::Boolean	private	1	
m_blnLevel1Analysis	VB::Boolean	private	1	
m_blnFITSuite	VB::Boolean	private	1	
m_blnDepthGrid	VB::Boolean	private	1	
m_lngDepthGridReturnPeriod	VB::Long	private	1	
m_blnAllSameReturnPeriod	VB::Boolean	private	1	
m_strFITPath	VB::String	private	1	
m_lngFITReturnPeriod	VB::Long	private	1	
m_dblCellSize	VB::Double	private	1	
m_CoastAnalysisType	External Classes::FlAnCoastalAnalysisType	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
get_HazardProcess	External Classes::FlAnHazardProcess	public	☐	instance
let_HazardProcess	<None>	public	☐	instance
get_DEMPathAndNames	External Classes::Collection	public	☐	instance
set_DEMPathAndNames	<None>	public	☐	instance
get_DrainageArea	VB::Double	public	☐	instance
let_DrainageArea	<None>	public	☐	instance
get_VerticalUnits	VB::String	public	☐	instance
let_VerticalUnits	<None>	public	☐	instance
get_HydraulicsGDBFile	VB::String	public	☐	instance
let_HydraulicsGDBFile	<None>	public	☐	instance
get_ReachFClass	VB::String	public	☐	instance
let_ReachFClass	<None>	public	☐	instance
get_ADOConnectionString	VB::String	public	☐	instance
let_ADOConnectionString	<None>	public	☐	instance
get_FITIncluded	VB::Boolean	public	☐	instance
let_FITIncluded	<None>	public	☐	instance
get_ScenarioPath	VB::String	public	☐	instance
let_ScenarioPath	<None>	public	☐	instance
get_FLID	VB::Long	public	☐	instance
let_FLID	<None>	public	☐	instance
get_ReturnPeriod	VB::Long	public	☐	instance
let_ReturnPeriod	<None>	public	☐	instance
get_Discharge	VB::Double	public	☐	instance
let_Discharge	<None>	public	☐	instance
get_HydroPath	VB::String	public	☐	instance
let_HydroPath	<None>	public	☐	instance
get_ADOConnectionID	VB::Long	public	☐	instance

Classification: CProjInfo

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strPath	VB::String	public	1	
FITVersion	VB::String	public	1	
HazardType	VB::String	public	1	
WorkDir	VB::String	public	1	
BasinName	VB::String	public	1	
ReachName	VB::String	public	1	
AnalystName	VB::String	public	1	
AnalysisDate	VB::String	public	1	
StudyArea	VB::String	public	1	
GreatLakeName	VB::String	public	1	
GMapLayer	VB::String	public	1	
GSource	VB::String	public	1	
GDescription	VB::String	public	1	
GLayerDate	VB::String	public	1	
GCellSize	VB::String	public	1	
GCellUnits	VB::String	public	1	
GVUnits	VB::String	public	1	
GVDatum	VB::String	public	1	
GOtherDatum	VB::String	public	1	
FMapLayer	VB::String	public	1	
FSource	VB::String	public	1	
FDescription	VB::String	public	1	
FPanel	VB::String	public	1	
FCommunity	VB::String	public	1	
FEffDate	VB::String	public	1	
FVUnits	VB::String	public	1	
FVDatum	VB::String	public	1	
FOtherDatum	VB::String	public	1	
FRefElev	VB::String	public	1	
BMapLayer	VB::String	public	1	
BSource	VB::String	public	1	
BDescription	VB::String	public	1	
BPanel	VB::String	public	1	
BCommunity	VB::String	public	1	
BEffDate	VB::String	public	1	
ElevGrids	VB::String	public	1	
DepthGrids	VB::String	public	1	
InterpolatedGrids	VB::String	public	1	
SECTION1	<unspecified>	private	1	"GENERAL INFORMATION"
KEY_FIT_VERSION	<unspecified>	private	1	"FIT_VERSION"
KEY_HAZARD_TYPE	<unspecified>	private	1	"HAZARD_TYPE"
KEY_WORK_DIRECTORY	<unspecified>	private	1	"WORK_DIRECTORY"
KEY_BASIN_NAME	<unspecified>	private	1	"BASIN_NAME"
KEY_REACH_NAME	<unspecified>	private	1	"REACH_NAME"
KEY_ANALYST_NAME	<unspecified>	private	1	"ANALYST_NAME"
KEY_ANALYSIS_DATE	<unspecified>	private	1	"ANALYSIS_DATE"
KEY_STUDY_AREA	<unspecified>	private	1	"STUDY_AREA"
KEY_GREAT_LAKE_NAME	<unspecified>	private	1	"GREAT_LAKE_NAME"
SECTION2	<unspecified>	private	1	"DEM INFORMATION"
KEY_GRID_MAP_LAYER	<unspecified>	private	1	"GRID_MAP_LAYER"
KEY_GRID_SOURCE	<unspecified>	private	1	"GRID_SOURCE"
KEY_GRID_DESCRIPTION	<unspecified>	private	1	"GRID_DESCRIPTION"
KEY_GRID_LAYER_DATE	<unspecified>	private	1	"GRID_LAYER_DATE"
KEY_GRID_CELL_SIZE	<unspecified>	private	1	"GRID_CELL_SIZE"
KEY_GRID_CELL_UNITS	<unspecified>	private	1	"GRID_CELL_UNITS"
KEY_GRID_VERTICAL_UNITS	<unspecified>	private	1	"GRID_VERTICAL_UNITS"
KEY_GRID_VERTICAL_DATUM	<unspecified>	private	1	"GRID_VERTICAL_DATUM"
KEY_GRID_OTHER_DATUM	<unspecified>	private	1	"GRID_OTHER_DATUM"
SECTION3	<unspecified>	private	1	"FLOOD ELEVATION INFORMATION"
KEY_FLOOD_MAP_LAYER	<unspecified>	private	1	"FLOOD_MAP_LAYER"
KEY_FLOOD_SOURCE	<unspecified>	private	1	"FLOOD_SOURCE"
KEY_FLOOD_DESCRIPTION	<unspecified>	private	1	"FLOOD_DESCRIPTION"
KEY_FLOOD_PANEL	<unspecified>	private	1	"FLOOD_PANEL"
KEY_FLOOD_COMMUNITY	<unspecified>	private	1	"FLOOD_COMMUNITY"
KEY_FLOOD_EFF_DATE	<unspecified>	private	1	"FLOOD_EFF_DATE"
KEY_FLOOD_VERTICAL_UNITS	<unspecified>	private	1	"FLOOD_VERTICAL_UNITS"
KEY_FLOOD_VERTICAL_DATUM	<unspecified>	private	1	"FLOOD_VERTICAL_DATUM"
KEY_FLOOD_OTHER_DATUM	<unspecified>	private	1	"FLOOD_OTHER_DATUM"
KEY_FLOOD_REFERENCE_ELEVATION	<unspecified>	private	1	"FLOOD_REFERENCE_ELEVATION"
SECTION4	<unspecified>	private	1	"FLOODPLAIN BOUNDARY INFORMATION"
KEY_BOUNDARY_MAP_LAYER	<unspecified>	private	1	"BOUNDARY_MAP_LAYER"
KEY_BOUNDARY_SOURCE	<unspecified>	private	1	"BOUNDARY_SOURCE"
KEY_BOUNDARY_DESCRIPTION	<unspecified>	private	1	"BOUNDARY_DESCRIPTION"
KEY_BOUNDARY_PANEL	<unspecified>	private	1	"BOUNDARY_PANEL"
KEY_BOUNDARY_COMMUNITY	<unspecified>	private	1	"BOUNDARY_COMMUNITY"
KEY_BOUNDARY_EFF_DATE	<unspecified>	private	1	"BOUNDARY_EFF_DATE"
SECTION5	<unspecified>	private	1	"RESULTS"
KEY_ELEVATION_GRIDS	<unspecified>	private	1	"ELEVATION_GRIDS"
KEY_DEPTH_GRIDS	<unspecified>	private	1	"DEPTH_GRIDS"
KEY_INTERPOLATED_DEPTH_GRIDS	<unspecified>	private	1	"INTERPOLATED_DEPTH_GRIDS"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Init	<None>	public	☐	instance
SaveInput	<None>	public	☐	instance
SaveElevationGrids	<None>	public	☐	instance
SaveDepthGrids	<None>	public	☐	instance
SaveInterpolatedDepthGrids	<None>	public	☐	instance

Classification: CSelectFeatures

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pMxApp	esriArcMapUI::IMxApplication	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_pActiveView	esriCarto::IActiveView	private	1	
m_pScreenDisplay	esriDisplay::IScreenDisplay	private	1	
m_pFeedbackEnv	esriDisplay::INewEnvelopeFeedb...	private	1	
m_pPoint	esriGeometry::IPoint	private	1	
m_blnMouseDown	VB::Boolean	private	1	
m_blnDblClick	VB::Boolean	private	1	
m_strReaches	VB::String	private	1	"Reaches"
m_strRegionShore	VB::String	private	1	"RegionShore"
m_strMergedFIT	VB::String	private	1	"FITPolygons"
m_strUserData	VB::String	private	1	"UserData"
erFIT	VB::Integer	private	1	1
erDepthGrid	VB::Integer	private	1	2
erDFIRM	VB::Integer	private	1	3

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Terminate	<None>	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance
get_ITool_Cursor	esriSystem::OLE_HANDLE	private	☐	instance
ITool_Deactivate	VB::Boolean	private	☐	instance
ITool_OnContextMenu	VB::Boolean	private	☐	instance
ITool_OnDblClick	<None>	private	☐	instance
ITool_OnKeyDown	<None>	private	☐	instance
ITool_OnKeyUp	<None>	private	☐	instance
ITool_OnMouseDown	<None>	private	☐	instance
ITool_OnMouseMove	<None>	private	☐	instance
ITool_OnMouseUp	<None>	private	☐	instance
ITool_Refresh	<None>	private	☐	instance
get_ICommandItem_Action	VB::String	private	☐	instance
let_ICommandItem_Action	<None>	private	☐	instance
get_ICommandItem_BuiltIn	VB::Boolean	private	☐	instance
get_ICommandItem_Caption	VB::String	private	☐	instance
let_ICommandItem_Caption	<None>	private	☐	instance
get_ICommandItem_Category	VB::String	private	☐	instance
get_ICommandItem_Command	esriSystemUI::ICommand	private	☐	instance
ICommandItem_Delete	<None>	private	☐	instance
ICommandItem_Execute	<None>	private	☐	instance
get_ICommandItem_FaceID	External Classes::Variant	private	☐	instance
let_ICommandItem_FaceID	<None>	private	☐	instance
get_ICommandItem_Group	VB::Boolean	private	☐	instance
let_ICommandItem_Group	<None>	private	☐	instance
get_ICommandItem_HelpContextID	VB::Long	private	☐	instance
let_ICommandItem_HelpContextID	<None>	private	☐	instance
get_ICommandItem_HelpFile	VB::String	private	☐	instance
let_ICommandItem_HelpFile	<None>	private	☐	instance
get_ICommandItem_ID	esriSystem::IUID	private	☐	instance
get_ICommandItem_Index	VB::Long	private	☐	instance
get_ICommandItem_Message	VB::String	private	☐	instance
let_ICommandItem_Message	<None>	private	☐	instance
get_ICommandItem_Name	VB::String	private	☐	instance
let_ICommandItem_Name	<None>	private	☐	instance
get_ICommandItem_Parent	esriFramework::ICommandBar	private	☐	instance
ICommandItem_Refresh	<None>	private	☐	instance
ICommandItem_Reset	<None>	private	☐	instance
get_ICommandItem_Style	esriSystemUI::esriCommand...	private	☐	instance
let_ICommandItem_Style	<None>	private	☐	instance
get_ICommandItem_Tag	VB::String	private	☐	instance
let_ICommandItem_Tag	<None>	private	☐	instance
get_ICommandItem_Tooltip	VB::String	private	☐	instance
let_ICommandItem_Tooltip	<None>	private	☐	instance
get_ICommandItem_Type	esriFramework::esriComman...	private	☐	instance

Classification: CToken

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
lngIndex	VB::Long	private	1	
strDelim	VB::String	private	1	
strToken	VB::String	private	1	
strThisString	VB::String	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Initialize	<None>	private	☐	instance
Init	<None>	public	☐	instance
NextToken	VB::String	public	☐	instance
EOF	VB::Boolean	public	☐	instance
SkipTo	VB::String	public	☐	instance

Classification: ChzFlMasterPaths

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_Datapath	VB::String	private	1	
m_DemFullPath	VB::String	private	1	
m_DemPath	VB::String	private	1	
m_DemName	VB::String	private	1	
m_StudyRegionPath	VB::String	private	1	
m_StudyRegionName	VB::String	private	1	
m_StudyRegionDescr	VB::String	private	1	
m_StudyCasePath	VB::String	private	1	
m_StudyCaseName	VB::String	private	1	
m_StudyCaseDescr	VB::String	private	1	
m_StudyCaseId	VB::Long	private	1	
m_FitRiverinePaths	External Classes::Collection	private	1	
m_FitCoastalPaths	External Classes::Collection	private	1	
m_FitPathsCombined	External Classes::Collection	private	1	
m_DepthGridRiverinePaths	External Classes::Collection	private	1	
m_DepthGridCoastalPaths	External Classes::Collection	private	1	
m_DepthGridPathsCombi...	External Classes::Collection	private	1	
m_DepthGridRiverineRPD	External Classes::Collection	private	1	
m_DepthGridCoastalRPD	External Classes::Collection	private	1	
m_DepthGridRiverineUnits	External Classes::Collection	private	1	
m_DepthGridCoastalUnits	External Classes::Collection	private	1	
m_DfirmRiverinePaths	External Classes::Collection	private	1	
m_DfirmCoastalPaths	External Classes::Collection	private	1	
m_DfirmPathsCombined	External Classes::Collection	private	1	
m_StudyRgnConn	VB::String	private	1	
m_Riverine	VB::String	private	1	"Riverine"
m_Coastal	VB::String	private	1	"Coastal"
m_HydroInputs	VB::String	private	1	"Hydro"
m_Levee	VB::String	private	1	"Levee"
m_strDepth	VB::String	private	1	"Depth"
m_strVelocity	VB::String	private	1	"Velocity"
m_strFlowReg	VB::String	private	1	"FlowReg"
m_strLongErosion	VB::String	private	1	"LTErosion"
m_strShoreProtect	VB::String	private	1	"ShoreProtect"
m_RegionBndry	VB::String	private	1	"RegionBndry"
m_strInMDBName	VB::String	private	1	"FlAnRivInput"
m_strRegionFeatureClass	VB::String	private	1	"hzboundary"
m_strWshd	VB::String	private	1	"watersheds"
m_IncludeQuickLook	VB::Boolean	private	1	
m_LeaveIntermediates	VB::Boolean	private	1	
m_sFloodDate	VB::String	private	1	
m_ShltrIngress	VB::Double	private	1	
m_ShltrBuff	VB::Long	private	1	
m_ShltrPctAff	VB::Double	private	1	
m_FWStructReduce	VB::Long	private	1	
m_FWContentReduce	VB::Long	private	1	
m_FWInvReduce	VB::Long	private	1	
m_FWVehMoved	VB::Long	private	1	
m_HazardType	External Classes::hzFlRivCoastB...	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
let_HazardTypeEnum	<None>	public	☐	instance
get_FloodDate	VB::String	public	☐	instance
let_FloodDate	<None>	public	☐	instance
get_ShelterIngress	VB::Long	public	☐	instance
let_ShelterIngress	<None>	public	☐	instance
get_ShelterIngressDbl	VB::Double	public	☐	instance
let_ShelterIngressDbl	<None>	public	☐	instance
get_ShelterBuffer	VB::Long	public	☐	instance
let_ShelterBuffer	<None>	public	☐	instance
get_ShelterPctAffected	VB::Long	public	☐	instance
let_ShelterPctAffected	<None>	public	☐	instance
get_ShelterPctAffectedDbl	VB::Double	public	☐	instance
let_ShelterPctAffectedDbl	<None>	public	☐	instance
get_FW_Structure_Reduction	VB::Long	public	☐	instance
let_FW_Structure_Reduction	<None>	public	☐	instance
get_FW_Content_Reduction	VB::Long	public	☐	instance
let_FW_Content_Reduction	<None>	public	☐	instance
get_FW_Inventory_Reduction	VB::Long	public	☐	instance
let_FW_Inventory_Reduction	<None>	public	☐	instance
get_FW_Vehicle	VB::Long	public	☐	instance
let_FW_Vehicle	<None>	public	☐	instance
get_DataPath	VB::String	public	☐	instance
let_DataPath	<None>	public	☐	instance
get_DataPathSlashed	VB::String	public	☐	instance
get_DataHydroInputsPath	VB::String	public	☐	instance
get_DataHydroInputsPathSlashed	VB::String	public	☐	instance
get_DemPath	VB::String	public	☐	instance
let_DemPath	<None>	public	☐	instance
get_DemPathSlashed	VB::String	public	☐	instance
get_DemName	VB::String	public	☐	instance
let_DemName	<None>	public	☐	instance
get_DemNameSlashed	VB::String	public	☐	instance
get_FITRiverinePaths	External Classes::Collection	public	☐	instance
let_FITRiverinePaths	<None>	public	☐	instance
get_FITCoastalPaths	External Classes::Collection	public	☐	instance
let_FITCoastalPaths	<None>	public	☐	instance
get_FITPathsCombined	External Classes::Collection	public	☐	instance
let_FITPathsCombined	<None>	public	☐	instance
get_DepthGridRiverinePaths	External Classes::Collection	public	☐	instance
let_DepthGridRiverinePaths	<None>	public	☐	instance
get_DepthGridRiverineRPD	External Classes::Collection	public	☐	instance
let_DepthGridRiverineRPD	<None>	public	☐	instance
get_DepthGridRiverineUnits	External Classes::Collection	public	☐	instance
let_DepthGridRiverineUnits	<None>	public	☐	instance
get_DepthGridCoastalPaths	External Classes::Collection	public	☐	instance
let_DepthGridCoastalPaths	<None>	public	☐	instance
get_DepthGridCoastalRPD	External Classes::Collection	public	☐	instance
let_DepthGridCoastalRPD	<None>	public	☐	instance
get_DepthGridCoastalUnits	External Classes::Collection	public	☐	instance
let_DepthGridCoastalUnits	<None>	public	☐	instance
get_DepthGridPathsCombined	External Classes::Collection	public	☐	instance
let_DepthGridPathsCombined	<None>	public	☐	instance

Classification: ChzFlMasterPaths Operations (Continued)

get_DfirmRiverinePaths	External Classes::Collection	public	☐	instance
let_DfirmRiverinePaths	<None>	public	☐	instance
get_DfirmCoastalPaths	External Classes::Collection	public	☐	instance
let_DfirmCoastalPaths	<None>	public	☐	instance
get_DfirmPathsCombined	External Classes::Collection	public	☐	instance
let_DfirmPathsCombined	<None>	public	☐	instance
get_StudyRegionPath	VB::String	public	☐	instance
let_StudyRegionPath	<None>	public	☐	instance
get_StudyRegionPathSlashed	VB::String	public	☐	instance
get_StudyRegionRiverinePath	VB::String	public	☐	instance
get_StudyRegionRiverinePathSlashed	VB::String	public	☐	instance
get_StudyRegionRiverineLeveePath	VB::String	public	☐	instance
get_StudyRegionRiverineLeveePathSlashed	VB::String	public	☐	instance
get_StudyRegionCoastalPath	VB::String	public	☐	instance
get_StudyRegionCoastalPathSlashed	VB::String	public	☐	instance
get_StudyRegionName	VB::String	public	☐	instance
let_StudyRegionName	<None>	public	☐	instance
get_StudyRegionNameSlashed	VB::String	public	☐	instance
get_StudyRegionDescription	VB::String	public	☐	instance
let_StudyRegionDescription	<None>	public	☐	instance
get_StudyCasePath	VB::String	public	☐	instance
let_StudyCasePath	<None>	public	☐	instance
get_StudyCasePathSlashed	VB::String	public	☐	instance
get_StudyCaseRiverinePath	VB::String	public	☐	instance
get_StudyCaseRiverinePathSlashed	VB::String	public	☐	instance
get_StudyCaseRiverineDepthPath	VB::String	public	☐	instance
get_StudyCaseRiverineDepthPathSlashed	VB::String	public	☐	instance
get_StudyCaseRiverineLeveePath	VB::String	public	☐	instance
get_StudyCaseRiverineLeveePathSlashed	VB::String	public	☐	instance
get_StudyCaseRiverineLeveeDepthPath	VB::String	public	☐	instance
get_StudyCaseRiverineLeveeDepthPathSlashed	VB::String	public	☐	instance
get_StudyCaseRiverineVelocityPath	VB::String	public	☐	instance
get_StudyCaseRiverineVelocityPathSlashed	VB::String	public	☐	instance
get_StudyCaseRiverineFlowRegPath	VB::String	public	☐	instance
get_StudyCaseRiverineFlowRegPathSlashed	VB::String	public	☐	instance
get_StudyCaseCoastalPath	VB::String	public	☐	instance
get_StudyCaseCoastalPathSlashed	VB::String	public	☐	instance
get_StudyCaseCoastalLongErosionPath	VB::String	public	☐	instance
get_StudyCaseRiverineLongErosionPathSlashed	VB::String	public	☐	instance
get_StudyCaseCoastalShoreProtectPath	VB::String	public	☐	instance
get_StudyCaseRiverineShoreProtectPathSlashed	VB::String	public	☐	instance
get_StudyCaseName	VB::String	public	☐	instance
let_StudyCaseName	<None>	public	☐	instance
get_StudyCaseNameSlashed	VB::String	public	☐	instance
get_StudyCaseDescription	VB::String	public	☐	instance
let_StudyCaseDescription	<None>	public	☐	instance
get_StudyCaseId	VB::Long	public	☐	instance
let_StudyCaseId	<None>	public	☐	instance
get_StudyRegionConn	VB::String	public	☐	instance
let_StudyRegionConn	<None>	public	☐	instance
get_StudyRegionBoundaryName	VB::String	public	☐	instance
get_IncludeQuickLook	VB::Boolean	public	☐	instance
let_IncludeQuickLook	<None>	public	☐	instance

Classification: ChzFlMasterPaths Operations (Continued)

get_LeaveIntermediates	VB::Boolean	public	☐	instance
let_LeaveIntermediates	<None>	public	☐	instance
Dump	<None>	public	☐	instance
NoSlash	VB::String	private	☐	instance

Classification: ModWorkFlow

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strCurrentModule	VB::String	private	1	"modWorkFlow - "
m_strFITResultsGDB	VB::String	private	1	"FITResults"
m_strMask	VB::String	private	1	"Mask"
m_strFITPolygons	VB::String	private	1	"FITPolygons"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
MergedFIT	esriGeoDatabase::IFeatureClass	public	☐	instance
AddFITFields	<None>	public	☐	instance
FITReturnPeriods	VB::String	private	☐	instance
SetSelectableLayer	<None>	public	☐	instance
PopulateIDField	<None>	public	☐	instance
AddAttributeFields	<None>	public	☐	instance
UpdateStatusUpgradeMain	<None>	public	☐	instance
UpdateStatusUpgradeSecondary	<None>	public	☐	instance

Classification: frmShoreLimits

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_pActiveView	esriCarto::IActiveView	private	1	
m_blnCancelled	VB::Boolean	private	1	
m_blnFilterError	VB::Boolean	private	1	
m_blnValidShorelines	VB::Boolean	private	1	
m_blnNoError	VB::Boolean	private	1	
m_blnShoreLimitsChanged	VB::Boolean	public	1	
m_strCasePath	VB::String	private	1	
m_strDataPath	VB::String	private	1	
m_lngNumofSegments	VB::Long	private	1	
m_lngSegmentNumber	VB::Long	private	1	
m_lngTypeIndex	VB::Long	private	1	
m_strLineType	VB::String	private	1	
m_lngShoreType	VB::Long	private	1	
m_blnMainland	VB::Boolean	private	1	
m_lngCurrentFLID	VB::Long	private	1	
m_pShorelineFClass	esriGeoDatabase::IFeatureClass	private	1	
m_pShoreLimitFClass	esriGeoDatabase::IFeatureClass	private	1	
m_pFeatureLayer	esriCarto::IFeatureLayer	private	1	
m_pFeatureSelection	esriCarto::IFeatureSelection	private	1	
m_pFilter	esriFramework::ICustomizationFilter	private	1	
m_pCurrentShoreline	esriGeometry::IPolyline	private	1	
m_strCaseOutGDB	VB::String	private	1	"CaseOutput"
m_strCoastal	VB::String	private	1	"Coastal"
m_strSelShoreName	VB::String	private	1	"ChosenShorelines"
m_strShoreline	VB::String	private	1	"Shoreline"
m_strShoreLimits	VB::String	private	1	"ShoreLimits"
m_strIDField	VB::String	private	1	"ID"
m_strTypeField	VB::String	private	1	"Type_"
m_strFIPSField	VB::String	private	1	"FIPSSTCO"
m_strFLIDField	VB::String	private	1	"FLID"
m_strShoreStart	VB::String	private	1	"ShoreStart"
m_strShoreEnd	VB::String	private	1	"ShoreEnd"
m_strShoreBreak	VB::String	private	1	"ShoreBreak"
m_strLimitType	VB::String	private	1	"LimitType"
m_strAlong	VB::String	private	1	"Along"
m_dblStartAlong	VB::Double	private	1	0.0001
m_dblEndAlong	VB::Double	private	1	0.9999
c_password	<unspecified>	private	1	"password"
SWP_NOSIZE	<unspecified>	private	1	&H1
SWP_NOMOVE	<unspecified>	private	1	&H2
FLAGS	VB::Long	private	1	SWP_NOMOVE Or SWP_NOSIZE
HWND_TOPMOST	<unspecified>	private	1	-1

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
SetWin_TOPMOST	<None>	private	☐	instance
set_AppName	<None>	public	☐	instance
let_DataPath	<None>	public	☐	instance
let_StudyCasePath	<None>	public	☐	instance
cmdCancel_Click	<None>	private	☐	instance
cmdDraw_Click	<None>	private	☐	instance
cmdNext_Click	<None>	private	☐	instance
cmdSegment_Click	<None>	private	☐	instance
SaveLimitsAndShorelines	<None>	private	☐	instance
cmdUseDefault_Click	<None>	private	☐	instance
DefaultShoreLimit	<None>	private	☐	instance
Form_Activate	<None>	private	☐	instance
Form_Load	<None>	private	☐	instance
Form_Unload	<None>	private	☐	instance
optBreakline_Click	<None>	private	☐	instance
optEndline_Click	<None>	private	☐	instance
optStartline_Click	<None>	private	☐	instance
OpenShorelineLayer	<None>	private	☐	instance
ChangeSegment	<None>	private	☐	instance
SaveCurrentShorelines	<None>	private	☐	instance
SaveRemainingShorelines	<None>	private	☐	instance
CreateShoreLimits	<None>	private	☐	instance
CreateShorelineFClass	<None>	private	☐	instance

Classification: frmShoreType

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_pFeatureSelection	esriCarto::IFeatureSelection	private	1	
m_pShorelineFClass	esriGeoDatabase::IFeatureClass	private	1	
m_pFeatureLayer	esriCarto::IFeatureLayer	private	1	
m_pSelFeatureLayer	esriCarto::IFeatureLayer	private	1	
m_strCasePath	VB::String	private	1	
m_strDataPath	VB::String	private	1	
ipCoExtension	External Classes::hzCoExtensionController	private	1	
m_WfHelper	External Classes::hzFlWfHelpers	private	1	
m_strSelShoreName	VB::String	private	1	"ChosenShorelines"
m_strShoreline	VB::String	private	1	"Shoreline"
m_strCaseOutGDB	VB::String	private	1	"CaseOutput"
m_blnCancelled	VB::Boolean	private	1	
m_blnPrevious	VB::Boolean	private	1	
m_lngNumofSegments	VB::Long	private	1	
m_lngSegmentNumber	VB::Long	private	1	
m_strShoreType( )	VB::String	private	1	
m_strWaveExposure( )	VB::String	private	1	
m_strProtectionLevel( )	VB::String	private	1	
m_str10yr( )	VB::String	private	1	
m_str50yr( )	VB::String	private	1	
m_str100yr( )	VB::String	private	1	
m_str500yr( )	VB::String	private	1	
m_strSetup( )	VB::String	private	1	
m_strWaveSetup( )	VB::String	private	1	
m_strDatum( )	VB::String	private	1	
m_strOtherDatum( )	VB::String	private	1	
m_strStudyArea( )	VB::String	private	1	
m_strWaveHModel( )	VB::String	private	1	
m_strWaveHUser( )	VB::String	private	1	
m_strWaveHDisk( )	VB::String	private	1	
m_strWavePModel( )	VB::String	private	1	
m_strWavePUser( )	VB::String	private	1	
m_strWavePDisk( )	VB::String	private	1	
m_dblReferenceElev( )	VB::Double	private	1	
m_dblWavePOC( )	VB::Double	private	1	
m_dblWavePMO( )	VB::Double	private	1	
m_dblWavePMI( )	VB::Double	private	1	
m_dblTransectLength( )	VB::Double	private	1	
m_strDataMapsVDatum	VB::String	private	1	
m_strDataMapsOtherDatum	VB::String	private	1	
m_strCountyFIPS	VB::String	private	1	
m_lngFIPSField	VB::Long	private	1	
m_strCurrentModule	VB::String	private	1	"frmShoreType - "
m_strFIPSSTCO	VB::String	private	1	"FIPSSTCO"
m_strSeqID	VB::String	private	1	"SeqID"
m_dblSigWaveFactor	VB::Double	private	1	0.49
m_dblMilesToMeters	VB::Double	private	1	1609.344
m_strOpenCoast	VB::String	private	1	"Open coast (full exposure)"
m_strModExposure	VB::String	private	1	"Moderate exposure"
m_strMinExposure	VB::String	private	1	"Minimal exposure"
m_strSheltered	VB::String	private	1	"Sheltered"
m_strCoastal	VB::String	private	1	"Coastal"
SWP_NOSIZE	<unspecified>	private	1	&H1
SWP_NOMOVE	<unspecified>	private	1	&H2
FLAGS	VB::Long	private	1	SWP_NOMOVE Or SWP_NOSIZE
HWND_TOPMOST	<unspecified>	private	1	-1
CASE_VAR_SHORE_CHAR...	VB::String	private	1	"SHORE_CHAR_DONE"
erStudyCaseHasCoastData	VB::String	private	1	"2097152"
erStudyCaseHasShorelines	VB::String	private	1	"33554432"
c_password	<unspecified>	private	1	"password"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
SetWin_TOPMOST	<None>	private	☐	instance
set_AppName	<None>	public	☐	instance
let_DataPath	<None>	public	☐	instance
let_StudyCasePath	<None>	public	☐	instance
let_VerticalDatum	<None>	public	☐	instance
let_OtherDatum	<None>	public	☐	instance
cboShoreType_Click	<None>	private	☐	instance
cboShoreType_LostFocus	<None>	private	☐	instance
cboVerticalDatum_Click	<None>	private	☐	instance
cboVerticalDatum_LostFocus	<None>	private	☐	instance
cboWaveExposure_Click	<None>	private	☐	instance
cboWaveExposure_LostFocus	<None>	private	☐	instance
cmdApply_Click	<None>	private	☐	instance
cmdBack_Click	<None>	private	☐	instance
cmdCancel_Click	<None>	private	☐	instance
cmdFinish_Click	<None>	private	☐	instance
cmdSegment_Click	<None>	private	☐	instance
Form_Activate	<None>	private	☐	instance
Form_Load	<None>	private	☐	instance
Form_Unload	<None>	private	☐	instance
optDepthLimited_Click	<None>	private	☐	instance
optPeriodUserDefined_LostFocus	<None>	private	☐	instance
optSetup_Click	<None>	private	☐	instance
optWaveUserDefined_Click	<None>	private	☐	instance
optWaveUserDefined_LostFocus	<None>	private	☐	instance
txt10_LostFocus	<None>	private	☐	instance
txt100_LostFocus	<None>	private	☐	instance
txt50_LostFocus	<None>	private	☐	instance
txt500_LostFocus	<None>	private	☐	instance
txtOtherName_LostFocus	<None>	private	☐	instance
txtPeriodUserDefined_LostFocus	<None>	private	☐	instance
txtProtLevel_LostFocus	<None>	private	☐	instance
txtWaveUserDefined_LostFocus	<None>	private	☐	instance
txtSetup_LostFocus	<None>	private	☐	instance
txtSource_LostFocus	<None>	private	☐	instance
PopulateComboBoxVariables	<None>	private	☐	instance
OpenShorelineLayer	<None>	private	☐	instance
ChangeSegment	<None>	private	☐	instance
CalculateParams	<None>	private	☐	instance
WriteShorelineValues	<None>	private	☐	instance
SaveControls	<None>	private	☐	instance
HydrateControls	<None>	private	☐	instance
ValidateSegments	VB::Boolean	private	☐	instance
ValidateNumber	VB::Boolean	private	☐	instance
InitializeParams	<None>	private	☐	instance
GetUiCoExtensionController	External Classes::hzCoExtensionController	private	☐	instance
PopulateArrays	<None>	private	☐	instance

Classification: frmStatus

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pHook	VB::Object	private	1	
m_MasterPaths	hzFlAnWorkFlow::ChzFlMasterPaths	private	1	
m_HazardVariables	hzFlAnWorkFlow::CHazardVariables	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
set_AppName	<None>	public	☐	instance
set_MasterPaths	<None>	public	☐	instance
set_HazardVariables	<None>	public	☐	instance
Form_Activate	<None>	private	☐	instance
Form_Load	<None>	private	☐	instance
Form_Unload	<None>	private	☐	instance
StartProcess	<None>	private	☐	instance

Classification: frmStudyCaseEdit

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strCurrentModule	VB::String	private	1	"frmStudyCaseEdit - "
m_pApp	esriFramework::IApplication	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_blnFilterError	VB::Boolean	private	1	
m_pFilter	esriFramework::ICustomizationFilter	private	1	
m_intLayerType	VB::Integer	private	1	
m_blnCancelled	VB::Boolean	private	1	
m_blnEditIsLoaded	VB::Boolean	private	1	
m_strHazardPath	VB::String	private	1	
ipCoExtension	External Classes::hzCoExtensionContro...	private	1	
m_WfHelper	External Classes::hzFlWfHelpers	private	1	
m_strCoastalPath	VB::String	private	1	
m_strDataPath	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_strRiverinePath	VB::String	private	1	
m_strCasePath	VB::String	private	1	
m_lngSelectedReaches	VB::Long	private	1	
m_lngSelectedFIT	VB::Long	private	1	
m_lngSelectedShorelines	VB::Long	private	1	
m_lngSelectedDG	VB::Long	private	1	
m_strFITRivPaths	External Classes::Collection	private	1	
m_strFITCoastPaths	External Classes::Collection	private	1	
m_strTempCoastPathsColl	External Classes::Collection	private	1	
m_strTempRivPathsColl	External Classes::Collection	private	1	
m_strDepthGridRivPaths	External Classes::Collection	private	1	
m_strDepthGridCoastPaths	External Classes::Collection	private	1	
m_strTempDGCoastPaths...	External Classes::Collection	private	1	
m_strTempDGRivPathsColl	External Classes::Collection	private	1	
m_intSelectedIDs	External Classes::Collection	private	1	
m_blnAdd	VB::Boolean	public	1	
m_blnRemove	VB::Boolean	public	1	
m_pUserDataFClass	esriGeoDatabase::IFeatureClass	private	1	
m_pSelReachFClass	esriGeoDatabase::IFeatureClass	private	1	
m_pShorelineFClass	esriGeoDatabase::IFeatureClass	private	1	
m_pFITRivFClass	esriGeoDatabase::IFeatureClass	private	1	
m_pFITCoastFClass	esriGeoDatabase::IFeatureClass	private	1	
m_pDGRivFClass	esriGeoDatabase::IFeatureClass	private	1	
m_pDGCoastFClass	esriGeoDatabase::IFeatureClass	private	1	
m_pFeatureLayer	esriCarto::IFeatureLayer	private	1	
m_pFeatureSelection	esriCarto::IFeatureSelection	private	1	
m_HazardType	External Classes::hzFlRivCoastBoth	private	1	
m_pFrame	esriFramework::IModelessFrame	private	1	
m_strCoastal	VB::String	private	1	"Coastal"
m_strRiverine	VB::String	private	1	"Riverine"
m_strFIT	VB::String	private	1	"FIT"
m_strCoastInGDB	VB::String	private	1	"FlAnCoastInput"
m_strCoastOutGDB	VB::String	private	1	"FlAnCoastOutput"

Classification: frmStudyCaseEdit Attributes(Continued)

m_strRivOutGDB	VB::String	private	1	"FlAnRivOutput"
m_strCaseOutGDB	VB::String	private	1	"CaseOutput"
m_strRivOutFDSName	VB::String	private	1	"Region"
m_strRivDSName	VB::String	private	1	"Hydrology"
m_strCoastDSName	VB::String	private	1	"Coastal"
m_strUserDataDSName	VB::String	private	1	"SelectedData"
erFIT	VB::Integer	private	1	1
erDepthGrid	VB::Integer	private	1	2
erDFIRM	VB::Integer	private	1	3
strInputType	VB::String	private	1	"InputType"
strHazard	VB::String	private	1	"Hazard"
m_strNetworkName	VB::String	private	1	"Reaches"
m_strMergedFIT	VB::String	private	1	"FITPolygons"
m_strReaches	VB::String	private	1	"Reaches"
m_strShoreline	VB::String	private	1	"Shoreline"
m_strShoreLimits	VB::String	private	1	"ShoreLimits"
m_strSelReaches	VB::String	private	1	"ChosenReaches"
m_strSelShoreName	VB::String	private	1	"ChosenShorelines"
m_strSelRivFIT	VB::String	private	1	"FITRiv"
m_strSelCoastFIT	VB::String	private	1	"FITCoast"
m_strSelRivDG	VB::String	private	1	"DGRiv"
m_strSelCoastDG	VB::String	private	1	"DGCoast"
m_strRegionShore	VB::String	private	1	"RegionShore"
m_strUserData	VB::String	private	1	"UserData"
m_strProbReaches	VB::String	private	1	"ProblemReaches"
erStudyCaseHasRivData	VB::String	private	1	"1048576"
erStudyCaseHasCoastData	VB::String	private	1	"2097152"
erStudyCaseHasReaches	VB::String	private	1	"4194304"
erStudyCaseHasShorelines	VB::String	private	1	"33554432"
CASE_VAR_HAS_REACHES	VB::String	private	1	"HAS_REACHES"
CASE_VAR_HAS_SHOREL...	VB::String	private	1	"HAS_SHORELINES"
CASE_VAR_HAS_RIV_FIT	VB::String	private	1	"HAS_RIV_FIT"
CASE_VAR_HAS_COAST_...	VB::String	private	1	"HAS_COAST_FIT"
CASE_VAR_HAS_RIV_DG	VB::String	private	1	"HAS_RIV_DG"
CASE_VAR_HAS_COAST_DG	VB::String	private	1	"HAS_COAST_DG"
c_password	<unspecified>	private	1	"password"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Frame	esriFramework::IModelessFrame	public	☐	instance
IsLoaded	VB::Boolean	public	☐	instance
set_AppName	<None>	public	☐	instance
let_CoastalPath	<None>	public	☐	instance
let_DataPath	<None>	public	☐	instance
let_HazardType	<None>	public	☐	instance
let_RegionPath	<None>	public	☐	instance
let_RiverinePath	<None>	public	☐	instance
let_StudyCasePath	<None>	public	☐	instance
let_FITRivPaths	<None>	public	☐	instance
let_FITCoastPaths	<None>	public	☐	instance
let_DepthGridRivPaths	<None>	public	☐	instance
let_DepthGridCoastPaths	<None>	public	☐	instance
cmdAdd_Click	<None>	private	☐	instance
cmdRemove_Click	<None>	private	☐	instance
cmdRemoveProbReaches_Click	<None>	private	☐	instance
cmdReset_Click	<None>	private	☐	instance
cmdSave_Click	<None>	private	☐	instance
cmdCancel_Click	<None>	private	☐	instance
cmdOK_Click	<None>	private	☐	instance
Form_Activate	<None>	private	☐	instance
Form_Load	<None>	private	☐	instance
Form_Unload	<None>	private	☐	instance
optStudyCase_Click	<None>	private	☐	instance
ShowProbReachesCmd	<None>	private	☐	instance
SaveSelection	<None>	private	☐	instance
SelectFeaturesTool	<None>	private	☐	instance
RemoveProbReaches	<None>	private	☐	instance
ResetSelection	<None>	private	☐	instance
ClearSelection	<None>	private	☐	instance
OpenInputDatasets	<None>	private	☐	instance
SetSelectableLayer	<None>	private	☐	instance
SaveSelectedFeatures	<None>	private	☐	instance
SaveToDisk	<None>	private	☐	instance
AddAttributeFields	<None>	private	☐	instance
PopulateIDField	<None>	private	☐	instance
EnableAllCommandButtons	<None>	private	☐	instance
SaveSelectedFeatureIDs	VB::Boolean	private	☐	instance
MergeUserDataSelections	<None>	private	☐	instance
GetUiCoExtensionController	External Classes::hzCoExtensionController	private	☐	instance

Classification: frmStudyCaseNew

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_blnFilterError	VB::Boolean	private	1	
m_pFilter	esriFramework::ICustomizationFilter	private	1	
m_intLayerType	VB::Integer	private	1	
m_blnCancelled	VB::Boolean	private	1	
m_strHazardPath	VB::String	private	1	
m_intFITGridCount	VB::Integer	private	1	
m_HazardType	External Classes::hzFlRivCoastBoth	private	1	
m_blnNewIsLoaded	VB::Boolean	private	1	
ipCoExtension	External Classes::hzCoExtensionController	private	1	
m_WfHelper	External Classes::hzFlWfHelpers	private	1	
m_strCoastalPath	VB::String	private	1	
m_strDataPath	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_strRiverinePath	VB::String	private	1	
m_strCasePath	VB::String	private	1	
m_strFITRivPaths	External Classes::Collection	private	1	
m_strFITCoastPaths	External Classes::Collection	private	1	
m_strTempCoastPathsColl	External Classes::Collection	private	1	
m_strTempRivPathsColl	External Classes::Collection	private	1	
m_strDepthGridRivPaths	External Classes::Collection	private	1	
m_strDepthGridCoastPaths	External Classes::Collection	private	1	
m_strTempDGCoastPathsColl	External Classes::Collection	private	1	
m_strTempDGRivPathsColl	External Classes::Collection	private	1	
m_intSelectedIDs	External Classes::Collection	private	1	
m_blnAdd	VB::Boolean	public	1	
m_blnRemove	VB::Boolean	public	1	
m_pUserDataFClass	esriGeoDatabase::IFeatureClass	private	1	
m_pNetworkFClass	esriGeoDatabase::IFeatureClass	private	1	
m_pShorelineFClass	esriGeoDatabase::IFeatureClass	private	1	
m_pFITRivFClass	esriGeoDatabase::IFeatureClass	private	1	
m_pFITCoastFClass	esriGeoDatabase::IFeatureClass	private	1	
m_pFeatureLayer	esriCarto::IFeatureLayer	private	1	
m_pFeatureSelection	esriCarto::IFeatureSelection	private	1	
m_pFrame	esriFramework::IModelessFrame	private	1	
m_strCoastal	VB::String	private	1	"Coastal"
m_strFIT	VB::String	private	1	"FIT"
m_strRiverine	VB::String	private	1	"Riverine"
m_strDepthGrid	VB::String	private	1	"Depth Grid"
m_strCoastInGDB	VB::String	private	1	"FlAnCoastInput"
m_strCoastOutGDB	VB::String	private	1	"FlAnCoastOutput"
m_strRivOutGDB	VB::String	private	1	"FlAnRivOutput"
m_strCaseOutGDB	VB::String	private	1	"CaseOutput"
m_strFITResultsGDB	VB::String	private	1	"FITResults"
m_strRivOutFDSName	VB::String	private	1	"Region"

Classification: frmStudyCaseNew Attributes (Continued)

m_strRivDSName	VB::String	private	1	"Hydrology"
m_strCoastDSName	VB::String	private	1	"Coastal"
m_strUserDataDSName	VB::String	private	1	"SelectedData"
m_strRegFClass	VB::String	private	1	"hzboundary"
m_strNetworkName	VB::String	private	1	"Reaches"
m_strRegionShore	VB::String	private	1	"RegionShore"
m_strMask	VB::String	private	1	"Mask"
m_strSelReachesName	VB::String	private	1	"ChosenReaches"
m_strSelShoreName	VB::String	private	1	"ChosenShorelines"
m_strSelRivFITName	VB::String	private	1	"FITRiv"
m_strSelCoastFITName	VB::String	private	1	"FITCoast"
m_strFITPolygons	VB::String	private	1	"FITPolygons"
m_strDGName	VB::String	private	1	"DepthGrid"
m_strSelRivDGName	VB::String	private	1	"DGRiv"
m_strSelCoastDGName	VB::String	private	1	"DGCoast"
m_strUserData	VB::String	private	1	"UserData"
m_strSelUserDataName	VB::String	private	1	"SelectedUserData"
m_strRegionDEM	VB::String	private	1	"RegionDEM"
m_strClipDEM	VB::String	private	1	"clipdem"
erFIT	VB::Integer	private	1	1
erDepthGrid	VB::Integer	private	1	2
erDFIRM	VB::Integer	private	1	3
strInputType	VB::String	private	1	"InputType"
strHazard	VB::String	private	1	"Hazard"
c_password	<unspecified>	private	1	"password"
m_strRegBnd	VB::String	private	1	"RegionBndry"
erStudyCaseHasRivData	VB::String	private	1	"1048576"
erStudyCaseHasCoastData	VB::String	private	1	"2097152"
erStudyCaseHasReaches	VB::String	private	1	"4194304"
erStudyCaseHasShorelines	VB::String	private	1	"33554432"
CASE_VAR_HAS_REACHES	VB::String	private	1	"HAS_REACHES"
CASE_VAR_HAS_SHORELINES	VB::String	private	1	"HAS_SHORELINES"
CASE_VAR_HAS_RIV_FIT	VB::String	private	1	"HAS_RIV_FIT"
CASE_VAR_HAS_COAST_FIT	VB::String	private	1	"HAS_COAST_FIT"
CASE_VAR_HAS_RIV_DG	VB::String	private	1	"HAS_RIV_DG"
CASE_VAR_HAS_COAST_DG	VB::String	private	1	"HAS_COAST_DG"
CASE_VAR_RIV_ANALYSIS_TYPE	VB::String	private	1	"RIV_ANALYSIS_TYPE"
CASE_VAR_RIV_RP	VB::String	private	1	"RIV_RP"
CASE_VAR_COAST_ANALYSIS_TYPE	VB::String	private	1	"COAST_ANALYSIS_TYPE"
CASE_VAR_COAST_RP	VB::String	private	1	"COAST_RP"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Frame	esriFramework::IModelessFrame	public	☐	instance
set_AppName	<None>	public	☐	instance
let_CoastalPath	<None>	public	☐	instance
let_DataPath	<None>	public	☐	instance
let_HazardType	<None>	public	☐	instance
let_RegionPath	<None>	public	☐	instance
let_RiverinePath	<None>	public	☐	instance
let_FITRivPaths	<None>	public	☐	instance
let_FITCoastPaths	<None>	public	☐	instance
let_DepthGridRivPaths	<None>	public	☐	instance
let_DepthGridCoastPaths	<None>	public	☐	instance
let_StudyCasePath	<None>	public	☐	instance
IsLoaded	VB::Boolean	public	☐	instance
cmdCancel_Click	<None>	private	☐	instance
cmdClear_Click	<None>	private	☐	instance
cmdOK_Click	<None>	private	☐	instance
cmdSave_Click	<None>	private	☐	instance
cmdSelect_Click	<None>	private	☐	instance
cmdRemove_Click	<None>	private	☐	instance
Form_Activate	<None>	private	☐	instance
Form_Load	<None>	private	☐	instance
Form_Unload	<None>	private	☐	instance
optStudyCase_Click	<None>	private	☐	instance
OpenInputDatasets	<None>	private	☐	instance
MergedFIT	esriGeoDatabase::IFeatureClass	private	☐	instance
FixInputPath	VB::String	private	☐	instance
AddFITFields	<None>	private	☐	instance
FITReturnPeriods	VB::String	private	☐	instance
SetSelectableLayer	<None>	private	☐	instance
SaveSelectedFeatures	<None>	private	☐	instance
SaveToDisk	<None>	private	☐	instance
AddAttributeFields	<None>	private	☐	instance
PopulateIDField	<None>	private	☐	instance
EnableAllCommandButtons	<None>	private	☐	instance
SaveSelectedFeatureIDs	VB::Boolean	private	☐	instance
MergeUserDataSelections	<None>	private	☐	instance
GetUiCoExtensionController	External Classes::hzCoExtensionController	private	☐	instance

Classification: frmUpgradeStatus

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pHook	VB::Object	private	1	
m_MasterPaths	hzFlAnWorkFlow::ChzFlMasterPaths	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
set_AppName	<None>	public	☐	instance
set_MasterPaths	<None>	public	☐	instance
Form_Activate	<None>	private	☐	instance
Form_Load	<None>	private	☐	instance
Form_Unload	<None>	private	☐	instance
StartProcess	<None>	private	☐	instance

Classification: hzFlANMergeDEMs

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_strRiverinePath	VB::String	private	1	
m_strCoastalPath	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_strDataPath	VB::String	private	1	
m_strVerticalUnits	VB::String	private	1	
MODULE	VB::String	private	1	"hzFlANMergeDEMs - "
REG_HAZUS_ROOT	VB::String	private	1	"HKLM\Software\FEMA\HAZU...
Coastal	VB::String	private	1	"Coastal"
REGIONDEM	VB::String	private	1	"RegionDEM"
STATUSMAIN	VB::String	private	1	"Creating study region DEM"
TEMPGRID	VB::String	private	1	"TempGrid"
FC_SRBOUNDARY	VB::String	private	1	"srboundary"
FC_REGIONSHORE	VB::String	private	1	"RegionShore"
FC_REGSHEDS	VB::String	private	1	"RegSheds"
FC_REQDEM	VB::String	private	1	"ReqDEMPolygon"
FC_REQRIVPOLY	VB::String	private	1	"RivReqPoly"
FC_VALIDDEMVALUES	VB::String	private	1	"ValidDEMValuesPoly"
MDB_COASTOUTPUT	VB::String	private	1	"FlAnCoastOutput"
MDB_RIVOUTPUT	VB::String	private	1	"FlAnRivOutput"
MDB_REGBND	VB::String	private	1	"RegionBndry"
RAS_FILLDEM	VB::String	private	1	"FillDEM"
RAS_FLOWACC	VB::String	private	1	"FlowAcc"
RAS_FLOWDIR	VB::String	private	1	"FlowDir"
RAS_FLOWLEN	VB::String	private	1	"FlowLength"
RAS_HILLSHADE	VB::String	private	1	"Hillshade"
RAS_WATERSHED	VB::String	private	1	"Watershed"
m_HazardType	External Classes::hzFlRivCoastBoth	private	1	
m_MasterPaths	hzFlAnWorkFlow::ChzFlMasterPa...	private	1	
m_HazardVariables	hzFlAnWorkFlow::CHazardVariables	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Initialize	<None>	private	☐	instance
Class_Terminate	<None>	private	☐	instance
let_HazardTypeEnum	<None>	public	☐	instance
get_Succeeded	VB::Boolean	public	☐	instance
let_RegionPath	<None>	public	☐	instance
let_DataPath	<None>	public	☐	instance
let_VerticalUnits	<None>	public	☐	instance
set_MasterPaths	<None>	public	☐	instance
set_HazardVariables	<None>	public	☐	instance
EntryPoint	<None>	public	☐	instance
MosaicDEMs	<None>	public	☐	instance
ValidMergedDEMExtent	VB::Boolean	private	☐	instance
ValidMergedDEMValues	VB::Boolean	private	☐	instance
SortedDEMCellsizesAndIndex	External Classes::Collection	private	☐	instance
GetNoDataAreasAsPolygon	<None>	private	☐	instance
ValidateResultOfMerge	VB::Boolean	private	☐	instance
TryToFixSliverInMerge	esriGeoDatabase::IRaster	private	☐	instance
DeleteFlowGrids	<None>	private	☐	instance
ShowRegionShorelines	<None>	private	☐	instance

Classification: hzFlAnDemCoordCalculator

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_strDEMPath	VB::String	private	1	
m_strDEMName	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_strDataPath	VB::String	private	1	
m_strHydroPath	VB::String	private	1	
m_strCoastalPath	VB::String	private	1	
m_strRiverinePath	VB::String	private	1	
m_HazardType	External Classes::hzFlRivCoastBoth	private	1	
m_pCoExtension	External Classes::hzCoExtensionController	private	1	
m_WfHelper	External Classes::hzFlWfHelpers	private	1	
MDB_REGBND	VB::String	private	1	"RegionBndry"
MDB_COASTINPUT	VB::String	private	1	"FlAnCoastInput"
MDB_COASTOUTPUT	VB::String	private	1	"FlAnCoastOutput"
MDB_RIVINPUT	VB::String	private	1	"FlAnRivInput"
MDB_RIVOUTPUT	VB::String	private	1	"FlAnRivOutput"
REGION	VB::String	private	1	"Region"
FC_SRBOUNDARY	VB::String	private	1	"srboundary"
FC_HZBOUNDARY	VB::String	private	1	"hzboundary"
FC_WATERSHEDS	VB::String	private	1	"watersheds"
FC_COVER	VB::String	private	1	"Cover"
FC_COUNTY	VB::String	private	1	"hzCounty"
FC_SHORELINE	VB::String	private	1	"Shoreline"
FC_REGIONSHORE	VB::String	private	1	"RegionShore"
FC_REGSHEDS	VB::String	private	1	"RegSheds"
FC_TEMPSR	VB::String	private	1	"TempSR"
FC_REQDEM	VB::String	private	1	"ReqDEMPolygon"
FC_REQRIV	VB::String	private	1	"RivReqPoly"
MODULE	VB::String	private	1	"hzFlAnDEMCoordCalculator - "
Coastal	VB::String	private	1	"Coastal"
HYDRO	VB::String	private	1	"Hydro"
REGIONDEM	VB::String	private	1	"RegionDEM"
Riverine	VB::String	private	1	"Riverine"
SHOREBUFFER	VB::Double	private	1	1000#
SHEDBUFFER	VB::Double	private	1	1000#
HAZBUFFER	VB::Double	private	1	152.4
REG_HAZUS_ROOT	VB::String	private	1	"HKLM\Software\FEMA\HAZUS-MH\FL\"
RGN_VAR_REQDEM_INVALID	<unspecified>	private	1	"ReqDEM_Invalid"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Initialize	<None>	private	☐	instance
let_DataPath	<None>	public	☐	instance
let_DemPath	<None>	public	☐	instance
let_DemName	<None>	public	☐	instance
let_HazardTypeEnum	<None>	public	☐	instance
let_RegionPath	<None>	public	☐	instance
CalculateDemCoords	<None>	public	☐	instance
ValidateDEMCoordInput	VB::Boolean	private	☐	instance
RequiredDEMPolygon	esriGeometry::IPolygon	public	☐	instance
RequiredDEMPolygon2	esriGeometry::IPolygon	public	☐	instance
RiverineRequiredPoly	esriGeometry::IPolygon	private	☐	instance
CoastalRequiredPoly	esriGeometry::IPolygon	private	☐	instance
SaveCoverPolygon	<None>	private	☐	instance
MakeRegionFDataset	<None>	private	☐	instance
ExtractShorelines	<None>	private	☐	instance
GetUiCoExtensionController	External Classes::hzCoExtensionController	private	☐	instance

Classification: hzFlAnDialog

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strGDBName	VB::String	private	1	"FITResults"
m_strRegBnd	VB::String	private	1	"RegionBndry"
m_strBoundary	VB::String	private	1	"Boundary"
m_strCenterline	VB::String	private	1	"Centerline"
m_strEucXSecs	VB::String	private	1	"EucXSecs"
m_strFloodPts	VB::String	private	1	"FloodPts"
m_strMask	VB::String	private	1	"Mask"
m_strRegFClass	VB::String	private	1	"hzboundary"
m_strShoreline	VB::String	private	1	"Shoreline"
m_strTransects	VB::String	private	1	"Transects"
m_strErosionPts	VB::String	private	1	"ErosionPts"
m_strDepth	VB::String	private	1	"Depth"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
FITProjectPath	VB::String	public	☐	instance
ValidINI	VB::Boolean	private	☐	instance
ValidRiverineFeatureClasses	VB::Boolean	private	☐	instance
ValidCoastalFClasses	VB::Boolean	private	☐	instance
ValidRiverineGrids	VB::Boolean	private	☐	instance
FolderDialogPath	VB::String	private	☐	instance
ValidPath	VB::Boolean	private	☐	instance
InvalidCharacters	VB::Boolean	private	☐	instance
Class_Initialize	<None>	private	☐	instance
Class_Terminate	<None>	private	☐	instance

Classification: hzFlAnFloodedBlocks

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_blnRiverineAnalysis	VB::Boolean	private	1	
m_strAnalysisPath	VB::String	private	1	
m_strFloodplainFClass	VB::String	private	1	
m_strFloodplainPath	VB::String	private	1	
m_strHazard	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_strStudyCasePath	VB::String	private	1	
m_strCon	VB::String	private	1	
m_lStudyCase	VB::Long	private	1	
m_strCurrentModule	VB::String	private	1	"hzFlAnFloodedBlocks - "
m_strAnalysis	VB::String	private	1	"Analysis"
m_strAnalysisGDB	VB::String	private	1	"flAnAnalysis"
m_strBlocksFClass	VB::String	private	1	"hzCensusBlock"
m_strCoastal	VB::String	private	1	"Coastal"
m_strRegionGDB	VB::String	private	1	"RegionBndry"
m_strRiverine	VB::String	private	1	"Riverine"
m_flStudyCaseTab	VB::String	private	1	"flStudyCaseBlocks"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Initialize	<None>	private	☐	instance
let_FloodplainGDBPath	<None>	public	☐	instance
let_FloodplainFClassName	<None>	public	☐	instance
let_RiverineAnalysis	<None>	public	☐	instance
let_QuickLookAnalysis	<None>	public	☐	instance
let_RegionPath	<None>	public	☐	instance
let_StudyCasePath	<None>	public	☐	instance
let_RegionADOConnectionString	<None>	public	☐	instance
let_StudyCaseId	<None>	public	☐	instance
FloodedBlocks	<None>	public	☐	instance
CreateFloodedBlocksTable	<None>	public	☐	instance
SetupBlocksFields	esriGeoDatabase::IFields	private	☐	instance
ValidateBlocksInput	VB::Boolean	private	☐	instance
InsertValues	<None>	private	☐	instance

Classification: hzFlAnShoreCharacterize

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_strDataPath	VB::String	private	1	
m_strStudyCasePath	VB::String	private	1	
m_strCoastalGDB	VB::String	private	1	"FlAnCoastInput"
m_strRegBnd	VB::String	private	1	"RegionBndry"
m_strCaseOutGDB	VB::String	private	1	"CaseOutput"
m_strSelShoreName	VB::String	private	1	"ChosenShorelines"
m_strHydro	VB::String	private	1	"Hydro"
m_strParams	VB::String	private	1	"Params"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Initialize	<None>	private	☐	instance
set_MasterPaths	<None>	public	☐	instance
set_MasterPaths1	<None>	public	☐	instance
let_DataPath	<None>	public	☐	instance
let_StudyCasePath	<None>	public	☐	instance
get_Succeeded	VB::Boolean	public	☐	instance
DoShoreCharacterize	<None>	public	☐	instance
ShoreCharacterization	<None>	private	☐	instance
ValidateShorelineInput	VB::Boolean	private	☐	instance

Classification: hzFlAnStudyCaseEdit

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_strCoastalPath	VB::String	private	1	
m_strDataPath	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_strCaseRiverinePath	VB::String	private	1	
m_strCaseCoastalPath	VB::String	private	1	
m_strRegionRiverinePath	VB::String	private	1	
m_strStudyCasePath	VB::String	private	1	
m_strFITCoastPaths	External Classes::Collection	private	1	
m_strFITRivPaths	External Classes::Collection	private	1	
m_strDepthGridCoastPaths	External Classes::Collection	private	1	
m_strDepthGridRivPaths	External Classes::Collection	private	1	
m_HazardType	External Classes::hzFlRivCoastBoth	private	1	
m_strCurrentModule	VB::String	private	1	"hzFlAnStudyCaseEdit - "
m_strSelReaches	VB::String	private	1	"ChosenReaches"
m_strSelShoreName	VB::String	private	1	"ChosenShorelines"
m_strGDBName	VB::String	private	1	"CaseOutput"
m_strFITResultsGDB	VB::String	private	1	"FITResults"
m_strSelRivFIT	VB::String	private	1	"FITRiv"
m_strSelCoastFIT	VB::String	private	1	"FITCoast"
m_strSelRivDG	VB::String	private	1	"DGRiv"
m_strSelCoastDG	VB::String	private	1	"DGCoast"
m_strRegBnd	VB::String	private	1	"RegionBndry"
m_strRegFClass	VB::String	private	1	"hzboundary"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Initialize	<None>	private	☐	instance
set_MasterPaths	<None>	public	☐	instance
DoStudyCaseEdit	<None>	public	☐	instance
StudyCaseEdit	<None>	private	☐	instance
ValidateEditCaseInput	VB::Boolean	private	☐	instance
SetFocusMapToSRProjection	<None>	private	☐	instance

Classification: hzFlAnStudyCaseGeneral

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_strStudyCasePath	VB::String	private	1	
m_strStudyCaseRiverinePath	VB::String	private	1	
m_strStudyCaseCoastalPath	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_MasterPaths	hzFlAnWorkFlow::ChzFlMasterPaths	private	1	
ipCoExtension	External Classes::hzCoExtensionController	private	1	
m_WfHelper	External Classes::hzFlWfHelpers	private	1	
m_strCaseOutMDBName	VB::String	private	1	"CaseOutput"
m_strSelReaches	VB::String	private	1	"ChosenReaches"
m_strProbReaches	VB::String	private	1	"ProblemReaches"
m_strSelRivFIT	VB::String	private	1	"FITRiv"
m_strSelCoastFIT	VB::String	private	1	"FITCoast"
m_strSelRivDG	VB::String	private	1	"DGRiv"
m_strSelCoastDG	VB::String	private	1	"DGCoast"
m_strSelShoreName	VB::String	private	1	"ChosenShorelines"
m_strRiverine	VB::String	private	1	"Riverine"
m_strCoastal	VB::String	private	1	"Coastal"
m_strDepth	VB::String	private	1	"Depth"
m_strBoundaryRP	VB::String	private	1	"BoundaryRP"
m_strBoundaryPoly	VB::String	private	1	"BoundaryPoly"
m_strRP	VB::String	private	1	"RP"
m_strAnalysis	VB::String	private	1	"Analysis"
m_strRegBnd	VB::String	private	1	"RegionBndry"
m_strRegFClass	VB::String	private	1	"hzboundary"
m_strUserData	VB::String	private	1	"UserData"
m_strSelUserData	VB::String	private	1	"SelectedUserData"
m_strLevee	VB::String	private	1	"Levee"
m_strFlowReg	VB::String	private	1	"FlowReg"
m_strBoundaryPolygon	VB::String	private	1	"BoundaryPolygon"
erStudyCaseHasRivData	VB::String	private	1	"1048576"
erStudyCaseHasCoastData	VB::String	private	1	"2097152"
erStudyCaseHasReaches	VB::String	private	1	"4194304"
erRivDelineateFPExecuted	VB::String	private	1	"8388608"
erCoastDelineateFPExecuted	VB::String	private	1	"16777216"
erStudyCaseHasShorelines	VB::String	private	1	"33554432"
CASE_VAR_HAS_REACHES	VB::String	private	1	"HAS_REACHES"
CASE_VAR_HAS_SHORELINES	VB::String	private	1	"HAS_SHORELINES"
CASE_VAR_HAS_RIV_FIT	VB::String	private	1	"HAS_RIV_FIT"
CASE_VAR_HAS_COAST_FIT	VB::String	private	1	"HAS_COAST_FIT"
CASE_VAR_HAS_RIV_DG	VB::String	private	1	"HAS_RIV_DG"
CASE_VAR_HAS_COAST_DG	VB::String	private	1	"HAS_COAST_DG"
CASE_VAR_RIV_ANALYSIS_TYPE	VB::String	private	1	"RIV_ANALYSIS_TYPE"
CASE_VAR_RIV_RP	VB::String	private	1	"RIV_RP"
CASE_VAR_COAST_ANALYSIS_TYPE	VB::String	private	1	"COAST_ANALYSIS_TYPE"
CASE_VAR_COAST_RP	VB::String	private	1	"COAST_RP"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Initialize	<None>	private	☐	instance
set_MasterPaths	<None>	public	☐	instance
DoStudyCaseOpen	<None>	public	☐	instance
StudyCaseOpen	<None>	private	☐	instance
DoStudyCaseClose	<None>	public	☐	instance
StudyCaseClose	<None>	private	☐	instance
SetFocusMapToSRProjection	<None>	private	☐	instance
GetUiCoExtensionController	External Classes::hzCoExtensionController	private	☐	instance

Classification: hzFlAnUpgrade

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strCurrentModule	VB::String	private	1	"hzFlAnUpgrade - "
m_pApp	esriFramework::IApplication	private	1	
m_pCoExtension	External Classes::hzCoExtensionController	private	1	
m_WfHelper	External Classes::hzFlWfHelpers	private	1	
m_HazardType	hzFlAnWorkFlow::hzFlRivCoastBoth	private	1	
m_MasterPaths	hzFlAnWorkFlow::ChzFlMasterPaths	private	1	
m_dblCellSize	VB::Double	private	1	
m_intFITGridCount	VB::Integer	private	1	
m_strRegionPath	VB::String	private	1	
m_strStudyCasePath	VB::String	private	1	
m_strCoastalPath	VB::String	private	1	
m_strRiverinePath	VB::String	private	1	
m_strRivOutput	VB::String	private	1	"flAnRivOutput"
m_strCoastOutput	VB::String	private	1	"flAnCoastOutput"
m_strCaseOutput	VB::String	private	1	"CaseOutput"
m_strAnalysisDB	VB::String	private	1	"flAnAnalysis"
m_strFITResultsGDB	VB::String	private	1	"FITResults"
m_strRegBnd	VB::String	private	1	"RegionBndry"
m_strRegFClass	VB::String	private	1	"hzboundary"
m_strMask	VB::String	private	1	"Mask"
m_strRegion	VB::String	private	1	"Region"
m_strCoastal	VB::String	private	1	"Coastal"
m_strRiverine	VB::String	private	1	"Riverine"
m_strAnalysis	VB::String	private	1	"Analysis"
m_strUserData	VB::String	private	1	"UserData"
m_strFIT	VB::String	private	1	"FIT"
m_strDepth	VB::String	private	1	"Depth"
MDB_RGNBND	VB::String	private	1	"RegionBndry"
FC_CB	VB::String	private	1	"hzCensusBlock"
RGN_VAR_REQDEM_INVALID	VB::String	private	1	"ReqDEM_Invalid"
RGN_VAR_DEM_DATASET_COUNT	VB::String	private	1	"DEM_DataSet_Count"
RGN_VAR_UPGRADED	VB::String	private	1	"Upgraded"
RGN_VAR_CB_GEOMS_REPAIRED	VB::String	private	1	"CB_Geoms_Repaired"
RGN_VAR_HAZ_TYPE	VB::String	private	1	"Hazard_Type"
RGN_VAR_FIT_COUNT_RIVER	VB::String	private	1	"FIT_Path_Count_River"
RGN_VAR_FIT_COUNT_COAST	VB::String	private	1	"FIT_Path_Count_Coast"
RGN_VAR_FIT_RIVER	VB::String	private	1	"FIT_Path_River"
RGN_VAR_FIT_COAST	VB::String	private	1	"FIT_Path_Coast"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Initialize	<None>	private	☐	instance
set_MasterPaths	<None>	public	☐	instance
DoUpgrade	<None>	public	☐	instance
DoUpgradeProcess	<None>	public	☐	instance
MergeIntoUserData	esriGeoDatabase::IFeatureClass	private	☐	instance
AddFields	<None>	private	☐	instance
FITReturnPeriods	VB::String	private	☐	instance
GetUiCoExtensionController	External Classes::hzCoExtensionController	private	☐	instance
NoSlash	VB::String	private	☐	instance

Classification: hzFlStudyCaseNew

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strCurrentModule	VB::String	private	1	"hzFlWorkFlow - "
m_pApp	esriFramework::IApplication	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_strCoastalPath	VB::String	private	1	
m_strDataPath	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_strRiverinePath	VB::String	private	1	
m_strStudyCasePath	VB::String	private	1	
m_strFITCoastPaths	External Classes::Collection	private	1	
m_strFITRivPaths	External Classes::Collection	private	1	
m_strDepthGridCoastPaths	External Classes::Collection	private	1	
m_strDepthGridRivPaths	External Classes::Collection	private	1	
m_HazardType	External Classes::hzFlRivCoastBoth	private	1	
m_strRegBnd	VB::String	private	1	"RegionBndry"
m_strRivOutGDB	VB::String	private	1	"FlAnRivOutput"
m_strCoastalOutGDB	VB::String	private	1	"FlAnCoastOutput"
m_strCaseOutGDB	VB::String	private	1	"CaseOutput"
m_strRivDSName	VB::String	private	1	"Hydrology"
m_strFITResultsGDB	VB::String	private	1	"FITResults"
m_strReaches	VB::String	private	1	"Reaches"
m_strMask	VB::String	private	1	"Mask"
m_strRegionShore	VB::String	private	1	"RegionShore"
m_strUserData	VB::String	private	1	"UserData"
m_strCoastal	VB::String	private	1	"Coastal"
m_strFIT	VB::String	private	1	"FIT"
m_strDepthGrid	VB::String	private	1	"DepthGrid"
m_strRegFClass	VB::String	private	1	"hzboundary"
m_strRiverine	VB::String	private	1	"Riverine"
REG_HAZUS_ROOT	VB::String	private	1	"HKLM\Software\FEMA\HAZUS-MH\"
REG_ESRI_ROOT	VB::String	private	1	"HKLM\Software\ESRI\ArcInfo\Desktop\8.0\"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Initialize	<None>	private	☐	instance
set_MasterPaths	<None>	public	☐	instance
DoStudyCaseNew	<None>	public	☐	instance
StudyCaseNew	<None>	private	☐	instance
ValidateNewCaseInput	VB::Boolean	private	☐	instance
SetFocusMapToSRProjection	<None>	private	☐	instance
EnRPD	<None>	public	☐	instance

Classification: modCommonConstAndCodes

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
g_blnProcessSucceeded	VB::Boolean	public	1	
g_LogCategory	External Classes::FlAnLogCategories	public	1	
g_LogPath	External Classes::FlAnLogPath	public	1	
g_strCurrentModule	VB::String	public	1	
g_strFITPath	VB::String	public	1	
g_blnIsDebugOn	VB::Boolean	public	1	
g_sngArcGISVersion	VB::Single	public	1	
g_lngErrorNumber	VB::Long	public	1	
g_blnHydroDebugOn	VB::Boolean	public	1	
m_strData	VB::String	private	1	"Data"
m_strQuick	VB::String	private	1	"Quick"
m_strOpenSHA	VB::String	private	1	"OpenSHA"
m_strFlDtsLog	VB::String	private	1	"flDtsLog"
m_strCurrentModule	VB::String	private	1	"modCommonConstAndCodes - "
REG_HAZUS_ROOT	VB::String	private	1	"HKLM\Software\FEMA\HAZUS-MH\"
REG_ESRI_ROOT	VB::String	private	1	"HKLM\Software\ESRI\ArcInfo\Desktop\8.0\"
ERRMSG_ecUnknown	<unspecified>	private	1	"Unknown error."
ERRMSG_ecBadHook	<unspecified>	private	1	"Bad Application hook passed in."
ERRMSG_ecInvalidParameter	<unspecified>	private	1	"Invalid call at this time. Not all parameters set properly."
ERRMSG_ecSpatialAnalystNotInstalled	<unspecified>	private	1	"Spatial Analyst must be installed and licensed for this operation"
SEE_MASK_INVOKEIDLIST	<unspecified>	private	1	&HC
SEE_MASK_NOCLOSEPROCESS	<unspecified>	private	1	&H40
SEE_MASK_DOENVSUBST	<unspecified>	private	1	&H200
SEE_MASK_FLAG_NO_UI	<unspecified>	private	1	&H400
sysLocalTime	External Classes::SYSTEMTIME	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
get_CommonErrorMessage	VB::String	public	☐	instance
GetProgPath	VB::String	public	☐	instance
PathFromLogPath	VB::String	public	☐	instance
LogMessageNew	<None>	public	☐	instance
LogMessage	<None>	public	☐	instance
NowM	VB::String	public	☐	instance
OpenFile	VB::Boolean	public	☐	instance
DeleteLogFile	<None>	public	☐	instance
LogFilePath	VB::String	public	☐	instance
RegistryValueExists	VB::Boolean	public	☐	instance
TheFileExists	VB::Boolean	public	☐	instance
DropSlash	VB::String	public	☐	instance
LogGeneralInfo	<None>	public	☐	instance
DetectArcGISVersion	<None>	public	☐	instance
SetHydrologyDebugMode	<None>	public	☐	instance
AutoRemovePR	VB::Boolean	public	☐	instance

Classification: modGeodatabase

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
MODULE	<unspecified>	private	1	"modGeodatabase - "
m_strCover	<unspecified>	private	1	"Cover"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CreateShapefile	esriGeoDatabase::IFeatureClass	public	☐	instance
CreateGeodatabase	<None>	public	☐	instance
CreateFeatureDataset	<None>	public	☐	instance
CreateFeatureClass	esriGeoDatabase::IFeatureClass	public	☐	instance
CreateGDBTable	esriGeoDatabase::ITable	public	☐	instance
DeleteShapefile	<None>	public	☐	instance
DeleteGeodatabase	<None>	public	☐	instance
ModifyOutputGeodatabase	<None>	public	☐	instance
DeleteGDBFeatureClass	<None>	public	☐	instance
DeleteGDBFClassByWildcard	<None>	public	☐	instance
DeleteShapefileByWildcard	<None>	public	☐	instance
DeleteGDBTable	<None>	public	☐	instance
SetupCopiedFields	esriGeoDatabase::IFields	public	☐	instance
OpenFeatureClassFromShapefile	esriGeoDatabase::IFeatureClass	public	☐	instance
OpenGeodatabaseFClass	esriGeoDatabase::IFeatureClass	public	☐	instance
OpenFileGeodatabaseFClass	esriGeoDatabase::IFeatureClass	public	☐	instance
OpenGDBTable	esriGeoDatabase::ITable	public	☐	instance
OpenFeatureDataset	esriGeoDatabase::IFeatureDataset	public	☐	instance
GetShapefileWorkspace	esriGeoDatabase::IWorkspace	public	☐	instance
ShapefileToGDBFClass	<None>	public	☐	instance
DefaultIndexGrid	VB::Double	private	☐	instance
Min	External Classes::Variant	private	☐	instance
Max	External Classes::Variant	private	☐	instance
DefaultIndexGridPoint	VB::Double	private	☐	instance
FindObjectIDField	VB::Long	public	☐	instance
SelectedFeaturesToShapefile	esriGeoDatabase::IFeatureClass	public	☐	instance
QueryFilterToShapefile	esriGeoDatabase::IFeatureClass	public	☐	instance
CompactAccessGDB	<None>	public	☐	instance
FieldErrorText	VB::String	public	☐	instance
GeometryToFeatureClass	esriGeoDatabase::IFeatureClass	public	☐	instance
SetupFieldsNoAttributes	esriGeoDatabase::IFields	public	☐	instance
VerifyGDBFeatureClass	VB::Boolean	public	☐	instance
ExportGDBFClass	<None>	public	☐	instance
GDBFClassToGDBFClass	<None>	public	☐	instance
Explode	<None>	public	☐	instance
InsertFeature	<None>	private	☐	instance
ProjectFClassToGDBFClass	<None>	public	☐	instance
CleanShapes	<None>	public	☐	instance
DeleteGDBFeatureDataset	<None>	public	☐	instance
DeleteFDatasetByWildcard	<None>	public	☐	instance
CreateDBFTable	esriGeoDatabase::ITable	public	☐	instance
OpenDBFTable	esriGeoDatabase::ITable	public	☐	instance
DeleteDBFTable	<None>	public	☐	instance
CheckForGDBTable	VB::Boolean	public	☐	instance

Classification: modGeometry

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strCurrentModule	VB::String	private	1	"modGeometry - "
m_strUnion	VB::String	private	1	"Union"
m_dblGeneralizeFactor	VB::Double	private	1	5#

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
BufferABS	esriGeometry::IGeometry	public	☐	instance
IntersectABS	esriGeometry::IGeometry	public	☐	instance
SimplifyABS	<None>	public	☐	instance
SimplifyABS_ShpApproach	<None>	public	☐	instance
ConstructUnionABS	esriGeometry::IGeometry	public	☐	instance
UnionABS	esriGeometry::IGeometry	public	☐	instance
SaveAndGetGeom	esriGeometry::IGeometry	private	☐	instance
DifferenceABS	esriGeometry::IGeometry	public	☐	instance
SymmetricDiffABS	esriGeometry::IGeometry	public	☐	instance
CutABS	<None>	public	☐	instance
AlterPrecision	<None>	public	☐	instance
RightSideTest	VB::Boolean	public	☐	instance
CleanPolygonIslands	esriGeometry::IPolygon	public	☐	instance
EnvelopeToPolygon	esriGeometry::IPolygon	public	☐	instance
RemoveBayAreas	esriGeometry::IPolygon	public	☐	instance
PointPosition	VB::Double	public	☐	instance
PointPositionQPD	VB::Double	public	☐	instance
CircleABS	esriGeometry::IPolygon	public	☐	instance
ForceSimplifyABS	<None>	public	☐	instance
SnapPointToPolyline	esriGeometry::IPoint	public	☐	instance
ProjectVector	<None>	public	☐	instance
RemoveDangles	esriGeometry::IPolyline	public	☐	instance
RingToPolygon	esriGeometry::IPolygon	public	☐	instance
PathToPolyline	esriGeometry::IPolyline	public	☐	instance
ExtendedPolyline	esriGeometry::IPolyline	public	☐	instance
CloneGeometry	esriSystem::IClone	public	☐	instance
ConstructUnionABS2	esriGeometry::IGeometry	public	☐	instance
DistBtwn2Shapes	VB::Double	public	☐	instance
ConvexHullABS	esriGeometry::IGeometry	public	☐	instance
avClone	esriSystem::IClone	public	☐	instance
PathToPolygon	esriGeometry::IPolygon	public	☐	instance
CrossesABS	VB::Boolean	public	☐	instance
AlterPrecisionRel	<None>	public	☐	instance
VertexIntersectABS	esriGeometry::IPoint	public	☐	instance
DistBtwnPointAndLine	VB::Double	public	☐	instance
LogGeometryError	<None>	public	☐	instance
PolygonVertexCleanup	<None>	public	☐	instance
RemoveCloseVertices	<None>	public	☐	instance
DistBtwnPoints	VB::Double	public	☐	instance
ConstructUnionABS3	esriGeometry::IGeometry	public	☐	instance
BoundaryABS	esriGeometry::IGeometry	public	☐	instance
DisjointABS	VB::Boolean	public	☐	instance
ValidGeometryABS	VB::Boolean	public	☐	instance
ConstructUnionABS4	esriGeometry::IGeometry	public	☐	instance

Classification: modGraphics

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strShoreStart	VB::String	private	1	"ShoreStart"
m_strShoreEnd	VB::String	private	1	"ShoreEnd"
m_strShoreBreak	VB::String	private	1	"ShoreBreak"
m_strFlowReg	VB::String	private	1	"FlowReg"
m_strLevee	VB::String	private	1	"Levee"
m_strUnionWatershed	VB::String	private	1	"UnionWatershed"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
AddCreateLine	<None>	public	☐	instance
AddCreatePolygon	<None>	public	☐	instance
AddCreatePoint	<None>	public	☐	instance
BuildRGB	esriDisplay::IRgbColor	public	☐	instance
ClearGraphicsLayer	<None>	public	☐	instance
GetExistingGraphicsLayer	esriCarto::IGraphicsLayer	private	☐	instance
ToggleGraphicsVisibility	<None>	public	☐	instance
GraphicsLayerCount	VB::Integer	public	☐	instance
GetGraphicsGeometry	esriGeometry::IGeometry	public	☐	instance
DeleteAllGraphics	<None>	public	☐	instance
DeleteGraphicsLayer	<None>	private	☐	instance
DeleteAllGraphicsLayers	<None>	public	☐	instance
DeleteGraphicsElement	<None>	public	☐	instance

Classification: modINI

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
INI_FILE_Get	VB::String	public	☐	instance
INI_FILE_Get_Bool	VB::Boolean	public	☐	instance
INI_FILE_Put	<None>	public	☐	instance
INI_FILE_Put_Bool	<None>	public	☐	instance
Pref_Create	<None>	private	☐	instance
ParseFullName	<None>	private	☐	instance
StringToCollection	External Classes::Collection	public	☐	instance

Classification: modLayer

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
MODULE	VB::String	private	1	"modLayer - "
m_strSelReachesName	VB::String	private	1	"ChosenReaches"
m_strSelShoreName	VB::String	private	1	"ChosenShorelines"
m_strProbReaches	VB::String	private	1	"ProblemReaches"
m_strFailedReaches	VB::String	private	1	"FailedReaches"
m_strSelRivFITName	VB::String	private	1	"FITRiv"
m_strSelCoastFITName	VB::String	private	1	"FITCoast"
m_strSelRivDGName	VB::String	private	1	"DGRiv"
m_strSelCoastDGName	VB::String	private	1	"DGCoast"
m_strBoundaryPolygon	VB::String	private	1	"BoundaryPolygon"
m_strRegionDEM	VB::String	private	1	"RegionDEM"
m_strSelUserDataName	VB::String	private	1	"SelectedUserData"
strInputType	VB::String	private	1	"InputType"
m_strFIT	VB::String	private	1	"FIT"
m_strDepthGrid	VB::String	private	1	"Depth Grid"
m_strCoastal	VB::String	private	1	"Coastal"
m_strRiverine	VB::String	private	1	"Riverine"
m_strQuick	VB::String	private	1	"Quick"
m_strUserData	VB::String	private	1	"UserData"
m_strRegionBndry	VB::String	private	1	"RegionBndry"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
AddFeatureLayer	<None>	public	☐	instance
AddRasterLayer	<None>	public	☐	instance
DeleteLayer	<None>	public	☐	instance
DeleteLayerByPath	<None>	public	☐	instance
FindLayerByName	esriCarto::ILayer	public	☐	instance
DeleteLayerByWildCard	<None>	public	☐	instance
DeleteNonSCLayers	<None>	public	☐	instance
FindLayerByPath	esriCarto::ILayer	public	☐	instance
FindLayerByPathAndName	esriCarto::ILayer	public	☐	instance
SelectionLayerByName	esriCarto::ILayer	public	☐	instance
FeatureSelectionCount	VB::Double	public	☐	instance
DisplayStreamNetwork	<None>	public	☐	instance
DisplayShorelines	<None>	public	☐	instance
DisplayFITLayer	<None>	public	☐	instance
DisplayUserDataLayer	<None>	public	☐	instance
DisplaySelectedFLayer	<None>	public	☐	instance
DisplayFloodplain	<None>	public	☐	instance
DisplayDepthGrid	<None>	public	☐	instance
MakeAllSelectable	<None>	public	☐	instance
DisplayDEM	<None>	public	☐	instance

Classification: modMain

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
GWL_HWNDPARENT	<unspecified>	public	1	(-8)
g_pApplication	VB::Object	public	1	
MODULE	VB::String	private	1	"modMain - "
m_strFolder	VB::String	private	1	"FOLDER"
m_strPersonalGDB	VB::String	private	1	"PERSONAL GEODATABASE"
CURRMULT	VB::Long	private	1	10000

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
TheFolderExists	VB::Boolean	public	☐	instance
EnableSpatialAnalyst	VB::Boolean	public	☐	instance
TimeToRun	VB::String	public	☐	instance
SplitFilePath	VB::Long	public	☐	instance
CenterTheForm	<None>	public	☐	instance
SetupProgressBar	<None>	public	☐	instance
FindComboBoxIndex	VB::Integer	public	☐	instance
DisableControls	<None>	public	☐	instance
MakeDirectory	<None>	public	☐	instance
RemoveDirectory	<None>	public	☐	instance
ParseFullName	<None>	public	☐	instance
Log10ABS	VB::Double	public	☐	instance
FlipCollection	External Classes::Collection	public	☐	instance
ValuesCollectionSort	External Classes::Collection	public	☐	instance
ReleaseCatalogLock	<None>	public	☐	instance
ExecuteMoveUp	<None>	private	☐	instance
UpdateStatusMain	<None>	public	☐	instance
UpdateStatusSecondary	<None>	public	☐	instance
MainStatusNumber	VB::Double	public	☐	instance
RemoveDuplicates	External Classes::Collection	public	☐	instance
ClearCollection	<None>	public	☐	instance
Round_AsymDown	VB::Double	public	☐	instance
Round_SymDown	VB::Double	public	☐	instance
Round_AsymUp	VB::Double	public	☐	instance
Round_SymUp	VB::Double	public	☐	instance
CalculateMemoryUsage	VB::String	public	☐	instance

Classification: modRaster

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strCurrentModule	VB::String	private	1	"modRaster - "

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
GetRasterDataset	esriGeoDatabase::IRasterDataset	public	☐	instance
OpenRasterDataset	esriGeoDatabase::IRasterDataset	public	☐	instance
SetRasterWorkspace	esriDataSourcesRaster::IRasterWorkspace	public	☐	instance
DeleteGrid	<None>	public	☐	instance
MakePermanent	<None>	public	☐	instance
GetCellSize	VB::Double	public	☐	instance
GetCellSizeFromRaster	VB::Double	public	☐	instance
GetCellSizeFromDisk	VB::Double	public	☐	instance
CreateRasterEnvironment	esriGeoAnalyst::IRasterAnalysisEnvironment	public	☐	instance
GetGridExtent	esriGeometry::IEnvelope	public	☐	instance
CountNegativesInRaster	VB::Long	public	☐	instance
ExtractionOpABS_Polygon	esriGeoDatabase::IRaster	public	☐	instance
ExtractionOpABS_NoMask	esriGeoDatabase::IRaster	public	☐	instance
MergeGridsTakeHighest	esriGeoDatabase::IRaster	public	☐	instance
MergeGridsTakePriority	esriGeoDatabase::IRaster	public	☐	instance
ConvertRasterToVector	<None>	public	☐	instance
CellValue	VB::Double	public	☐	instance

Classification: modSQLDb

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_sTitle	VB::String	private	1	"modSQLDb"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ConnectDB	ADODB::Connection	public	☐	instance
OpenRecordset	ADODB::Recordset	public	☐	instance
CopyRecordsetSrcToDest	VB::Boolean	public	☐	instance
InsertControlTabValues	<None>	public	☐	instance

Classification: modShoreline

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strShoreStart	VB::String	private	1	"ShoreStart"
m_strShoreEnd	VB::String	private	1	"ShoreEnd"
m_strShoreBreak	VB::String	private	1	"ShoreBreak"
m_strParams	VB::String	private	1	"Params"
m_strCoastalGDB	VB::String	private	1	"FlAnCoastInput"
m_strLimitType	VB::String	private	1	"LimitType"
m_strFLIDField	VB::String	private	1	"FLID"
m_strAlong	VB::String	private	1	"Along"
m_strLocation	VB::String	private	1	"Location"
m_strTP100OC	VB::String	private	1	"TP100OC"
m_strTP100MO	VB::String	private	1	"TP100MO"
m_strTP100MI	VB::String	private	1	"TP100MI"
m_strTLength	VB::String	private	1	"TLength"
m_dblExtendDistance	VB::Double	private	1	"2000"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ValidateShoreLimit	<None>	public	☐	instance
DisplayShoreLimits	<None>	public	☐	instance
SplitShorelines	esriGeometry::IGeometryCollection	public	☐	instance
SetupShorelineFields	esriGeoDatabase::IFields	public	☐	instance
SetupShorelimitFields	esriGeoDatabase::IFields	public	☐	instance
StudyArea	VB::String	public	☐	instance
WavePeriod	<None>	public	☐	instance
TransectLength	VB::Double	public	☐	instance
ReferenceElev	VB::Double	public	☐	instance
ValidIslandBreaklines	VB::Boolean	public	☐	instance
SaveShoreLimits	<None>	public	☐	instance
BuildEndLine	esriGeometry::IPolyline	public	☐	instance

Classification: modSpatialRef

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strCurrentModule	VB::String	private	1	"modSpatialRef - "

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
UTMProjection	esriGeometry::ISpatialReference	public	☐	instance
UTMProjectionWithPrecision	esriGeometry::ISpatialReference	public	☐	instance
GetSPRefofShapefile	esriGeometry::ISpatialReference	public	☐	instance
GeographicProjection	esriGeometry::ISpatialReference	public	☐	instance
AlbersProjection	esriGeometry::ISpatialReference	public	☐	instance
VermontSPCS	esriGeometry::ISpatialReference	public	☐	instance
GetFocusMapProjection	esriGeometry::ISpatialReference	public	☐	instance
SetFocusMapProjection	<None>	public	☐	instance
FeetPerUnit	VB::Double	public	☐	instance
MetersPerUnit	VB::Double	public	☐	instance
GetHorizontalUnits	VB::String	public	☐	instance
ProjectRaster	esriGeoDatabase::IRaster	public	☐	instance
GetRowColGivenCell	<None>	private	☐	instance
ArcSecInMeters	VB::Double	public	☐	instance
AreSPRefsTheSame	VB::Boolean	public	☐	instance
CreateUnknownSpatialRef	esriGeometry::ISpatialReference	public	☐	instance
GetRasterProjectionWithPrecision	esriGeometry::ISpatialReference	public	☐	instance
GeometryToFeatureClassSPREF	esriGeoDatabase::IFeatureClass	public	☐	instance
CloneSpatialRef	esriGeometry::ISpatialReference	public	☐	instance
ReturnPrecision	VB::Double	public	☐	instance
ReturnTolerance	VB::Double	public	☐	instance

4.2.2 Workflow Helper (hzFlWfHelper) Library

Classification: ChzFlFsoWrapper

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_ipFso	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlFsoWrapper	<None>	public	☐	instance
~ChzFlFsoWrapper	<None>	public	☑	instance
CopyDir	<None>	public	☐	instance
CreateDir	<None>	public	☐	instance
DeleteDir	<None>	public	☐	instance

Classification: ChzFlWfHelpers

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_ConnectionString	<unspecified>	protected	1	
m_fso	<unspecified>	protected	1	
m_iphzFlDataManager	<unspecified>	protected	1	
m_pConnection	<unspecified>	protected	1	
m_pRsRegionVariables	<unspecified>	protected	1	
m_pRsStudyCaseVariables	<unspecified>	protected	1	
m_RecursiveFlag	<unspecified>	protected	1	
m_SQLchar	<unspecified>	protected	1	
m_StudyCaseId	<unspecified>	protected	1	
m_StudyCaseMap	<unspecified>	protected	1	
m_studyCaseVariables	<unspecified>	protected	1	
m_studyRegionVariables	<unspecified>	protected	1	
m_tempDescr	<unspecified>	protected	1	
m_tempName	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlWfHelpers	<None>	public	☐	instance
~ChzFlWfHelpers	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
AdoConnPwd	<None>	public	☑	instance
AdoConnServerName	<None>	public	☑	instance
AdoConnSysCatalog	<None>	public	☑	instance
AdoConnUid	<None>	public	☑	instance
DeleteStudyCase	<None>	protected	☐	instance
FinalRelease	<None>	public	☐	instance
FloodPathBin	<None>	public	☑	instance
FloodPathData	<None>	public	☑	instance
FormulateSql	<None>	protected	☐	instance
get_AutoRmPR	<None>	public	☑	instance
get_CustomBuffer	<None>	public	☑	instance
get_IncludeQuickLook	<None>	public	☑	instance
get_IsDebugOn	<None>	public	☑	instance
get_LeaveIntermediate	<None>	public	☑	instance
get_StudyCaseCount	<None>	public	☑	instance
get_StudyCaseDescr	<None>	public	☑	instance
get_StudyCaseId	<None>	public	☑	instance
get_StudyCaseIdByName	<None>	public	☑	instance
get_StudyCaseName	<None>	public	☑	instance
get_StudyCasePath	<None>	public	☑	instance
get_StudyCaseVariable	<None>	public	☑	instance
get_StudyCaseVariableByIndex	<None>	public	☑	instance
get_StudyCaseVariableCount	<None>	public	☑	instance
get_StudyRegionVariable	<None>	public	☑	instance
get_StudyRegionVariableByIndex	<None>	public	☑	instance
get_StudyRegionVariableCount	<None>	public	☑	instance
GetStringField	<None>	protected	☐	instance
GetStudyCaseIdFromName	<None>	protected	☐	instance
GetStudyCases	<None>	protected	☐	instance
GetStudyCaseTemp	<None>	public	☑	instance
GetStudyCaseVariables	<None>	protected	☐	instance
GetStudyRegionVariables	<None>	protected	☐	instance
GetUnknown	<None>	public	☐	instance
GetVariable	<None>	protected	☐	instance
HAZUSVersion	<None>	public	☑	instance
InstallPath	<None>	public	☑	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance

Classification: ChzFlWfHelpers Operations (Continued)

InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
IsNameUnique	<None>	public	☑	instance
LogErrorEventMessageForAnalysis	<None>	public	☑	instance
LogErrorEventMessageForFramework	<None>	public	☑	instance
LogInfoEventMessageForAnalysis	<None>	public	☑	instance
LogInfoEventMessageForFramework	<None>	public	☑	instance
put_AutoRmPR	<None>	public	☑	instance
put_CustomBuffer	<None>	public	☑	instance
put_StudyCaseVariable	<None>	public	☑	instance
put_StudyRegionVariable	<None>	public	☑	instance
PutStudyCaseTemp	<None>	public	☑	instance
PutStudyCaseVariables	<None>	protected	☐	instance
PutStudyRegionVariables	<None>	protected	☐	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
StudyCaseClose	<None>	public	☑	instance
StudyCaseDelete	<None>	public	☑	instance
StudyCaseDeleteByName	<None>	public	☑	instance
StudyCaseInfo	<None>	public	☑	instance
StudyCaseNew	<None>	public	☑	instance
StudyCaseOpen	<None>	public	☑	instance
StudyCaseOpenByName	<None>	public	☑	instance
StudyCaseSaveAs	<None>	public	☑	instance
StudyCaseVariablesFlush	<None>	public	☑	instance
StudyRegionAdoConnectString	<None>	public	☑	instance
StudyRegionDescr	<None>	public	☑	instance
StudyRegionName	<None>	public	☑	instance
StudyRegionPath	<None>	public	☑	instance
StudyRegionVariablesFlush	<None>	public	☑	instance
SysAdoConnectionString	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

4.2.3 Math (hzFlMathLib) Library

Classification: ChzFlLinReg

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_Chi2	<unspecified>	protected	1	
m_Intercept	<unspecified>	protected	1	
m_Q	<unspecified>	protected	1	
m_SigA	<unspecified>	protected	1	
m_SigB	<unspecified>	protected	1	
m_Slope	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlLinReg	<None>	public	☐	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Chi2	<None>	public	☑	instance
get_Intercept	<None>	public	☑	instance
get_Q	<None>	public	☑	instance
get_SigmaA	<None>	public	☑	instance
get_SigmaB	<None>	public	☑	instance
get_Slope	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
LeastSquaresFit	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

4.2.4 Event Log Messages (hzFlMessages) Library

Classification: Utility

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
myModule	<unspecified>	public	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
DllMain	<None>	public	☐	instance
DllRegisterServer	<None>	public	☐	instance
DllUnregisterServer	<None>	public	☐	instance

4.2.5 Study Case Manager (hzFlStudyCaseMgr) Library

Classification: ChzFlStudyCase

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_Descr	<unspecified>	protected	1	
m_Id	<unspecified>	protected	1	
m_Name	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlStudyCase	<None>	public	☐	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_StudyCaseDescription	<None>	public	☑	instance
get_StudyCaseId	<None>	public	☑	instance
get_StudyCaseName	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
put_StudyCaseDescription	<None>	public	☑	instance
put_StudyCaseId	<None>	public	☑	instance
put_StudyCaseName	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlStudyCases

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_ConnectionString	<unspecified>	protected	1	
m_ItemList	<unspecified>	protected	1	
m_ItemListDisp	<unspecified>	protected	1	
m_pConnection	<unspecified>	protected	1	
m_SQLchar	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlStudyCases	<None>	public	☐	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddNew	<None>	public	☑	instance
AddRef	<None>	public	☑	instance
Delete	<None>	public	☑	instance
get__NewEnum	<None>	public	☑	instance
get_Count	<None>	public	☑	instance
get_Item	<None>	public	☑	instance
GetEnum	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
LoadItems	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

4.2.5.1 (hzFlAnScenario) Library

Classification: CDrawFlowRegPoint

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_strFlowReg	VB::String	private	1	"FlowReg"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Terminate	<None>	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
get_ITool_Cursor	esriSystem::OLE_HANDLE	private	☐	instance
ITool_OnMouseDown	<None>	private	☐	instance
ITool_OnMouseMove	<None>	private	☐	instance
ITool_OnMouseUp	<None>	private	☐	instance
ITool_OnDblClick	<None>	private	☐	instance
ITool_OnKeyDown	<None>	private	☐	instance
ITool_OnKeyUp	<None>	private	☐	instance
ITool_OnContextMenu	VB::Boolean	private	☐	instance
ITool_Refresh	<None>	private	☐	instance
ITool_Deactivate	VB::Boolean	private	☐	instance
get_ICommandItem_Action	VB::String	private	☐	instance
let_ICommandItem_Action	<None>	private	☐	instance
get_ICommandItem_BuiltIn	VB::Boolean	private	☐	instance
get_ICommandItem_Category	VB::String	private	☐	instance
get_ICommandItem_Command	esriSystemUI::ICommand	private	☐	instance
ICommandItem_Delete	<None>	private	☐	instance
get_ICommandItem_FaceID	External Classes::Variant	private	☐	instance
let_ICommandItem_FaceID	<None>	private	☐	instance
get_ICommandItem_Group	VB::Boolean	private	☐	instance
let_ICommandItem_Group	<None>	private	☐	instance
get_ICommandItem_HelpFile	VB::String	private	☐	instance
let_ICommandItem_HelpFile	<None>	private	☐	instance

Classification: CDrawFlowRegPoint Operations (Continued)

get_ICommandItem_HelpContextID	VB::Long	private	☐	instance
let_ICommandItem_HelpContextID	<None>	private	☐	instance
get_ICommandItem_ID	esriSystem::IUID	private	☐	instance
get_ICommandItem_Index	VB::Long	private	☐	instance
get_ICommandItem_Name	VB::String	private	☐	instance
let_ICommandItem_Name	<None>	private	☐	instance
get_ICommandItem_Caption	VB::String	private	☐	instance
let_ICommandItem_Caption	<None>	private	☐	instance
get_ICommandItem_Parent	esriFramework::ICommandBar	private	☐	instance
ICommandItem_Reset	<None>	private	☐	instance
get_ICommandItem_Style	esriSystemUI::esriCommandStyles	private	☐	instance
let_ICommandItem_Style	<None>	private	☐	instance
get_ICommandItem_Tag	VB::String	private	☐	instance
let_ICommandItem_Tag	<None>	private	☐	instance
get_ICommandItem_Tooltip	VB::String	private	☐	instance
let_ICommandItem_Tooltip	<None>	private	☐	instance
get_ICommandItem_Type	esriFramework::esriCommandTypes	private	☐	instance
get_ICommandItem_Message	VB::String	private	☐	instance
let_ICommandItem_Message	<None>	private	☐	instance
ICommandItem_Execute	<None>	private	☐	instance
ICommandItem_Refresh	<None>	private	☐	instance

Classification: CDrawLevee

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_pActiveView	esriCarto::IActiveView	private	1	
m_pScreenDisplay	esriDisplay::IScreenDisplay	private	1	
m_pNewLineFeedback	esriDisplay::INewLineFeedback	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Terminate	<None>	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
get_ITool_Cursor	esriSystem::OLE_HANDLE	private	☐	instance
ITool_OnMouseDown	<None>	private	☐	instance
ITool_OnMouseMove	<None>	private	☐	instance
ITool_OnMouseUp	<None>	private	☐	instance
ITool_OnDblClick	<None>	private	☐	instance
ITool_OnKeyDown	<None>	private	☐	instance
ITool_OnKeyUp	<None>	private	☐	instance
ITool_OnContextMenu	VB::Boolean	private	☐	instance
ITool_Refresh	<None>	private	☐	instance
ITool_Deactivate	VB::Boolean	private	☐	instance
get_ICommandItem_Action	VB::String	private	☐	instance
let_ICommandItem_Action	<None>	private	☐	instance
get_ICommandItem_BuiltIn	VB::Boolean	private	☐	instance
get_ICommandItem_Category	VB::String	private	☐	instance
get_ICommandItem_Command	esriSystemUI::ICommand	private	☐	instance
ICommandItem_Delete	<None>	private	☐	instance
get_ICommandItem_FaceID	External Classes::Variant	private	☐	instance
let_ICommandItem_FaceID	<None>	private	☐	instance
get_ICommandItem_Group	VB::Boolean	private	☐	instance
let_ICommandItem_Group	<None>	private	☐	instance
get_ICommandItem_HelpFile	VB::String	private	☐	instance
let_ICommandItem_HelpFile	<None>	private	☐	instance
get_ICommandItem_HelpContextID	VB::Long	private	☐	instance
let_ICommandItem_HelpContextID	<None>	private	☐	instance
get_ICommandItem_ID	esriSystem::IUID	private	☐	instance
get_ICommandItem_Index	VB::Long	private	☐	instance
get_ICommandItem_Name	VB::String	private	☐	instance
let_ICommandItem_Name	<None>	private	☐	instance

Classification: CDrawLevee Operations (Continued)

get_ICommandItem_Caption	VB::String	private	☐	instance
let_ICommandItem_Caption	<None>	private	☐	instance
get_ICommandItem_Parent	esriFramework::ICommandBar	private	☐	instance
ICommandItem_Reset	<None>	private	☐	instance
get_ICommandItem_Style	esriSystemUI::esriCommandStyles	private	☐	instance
let_ICommandItem_Style	<None>	private	☐	instance
get_ICommandItem_Tag	VB::String	private	☐	instance
let_ICommandItem_Tag	<None>	private	☐	instance
get_ICommandItem_Tooltip	VB::String	private	☐	instance
let_ICommandItem_Tooltip	<None>	private	☐	instance
get_ICommandItem_Type	esriFramework::esriCommandTypes	private	☐	instance
get_ICommandItem_Message	VB::String	private	☐	instance
let_ICommandItem_Message	<None>	private	☐	instance
ICommandItem_Execute	<None>	private	☐	instance
ICommandItem_Refresh	<None>	private	☐	instance

Classification: CDrawQuickPolygon

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_pActiveView	esriCarto::IActiveView	private	1	
m_pScreenDisplay	esriDisplay::IScreenDisplay	private	1	
m_pNewPolygonFeedback	esriDisplay::INewPolygonFeedback	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Terminate	<None>	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
get_ITool_Cursor	esriSystem::OLE_HANDLE	private	☐	instance
ITool_OnMouseDown	<None>	private	☐	instance
ITool_OnMouseMove	<None>	private	☐	instance
ITool_OnMouseUp	<None>	private	☐	instance
ITool_OnDblClick	<None>	private	☐	instance
ITool_OnKeyDown	<None>	private	☐	instance
ITool_OnKeyUp	<None>	private	☐	instance
ITool_OnContextMenu	VB::Boolean	private	☐	instance
ITool_Refresh	<None>	private	☐	instance
ITool_Deactivate	VB::Boolean	private	☐	instance
get_ICommandItem_Action	VB::String	private	☐	instance
let_ICommandItem_Action	<None>	private	☐	instance
get_ICommandItem_BuiltIn	VB::Boolean	private	☐	instance
get_ICommandItem_Category	VB::String	private	☐	instance
get_ICommandItem_Command	esriSystemUI::ICommand	private	☐	instance
ICommandItem_Delete	<None>	private	☐	instance
get_ICommandItem_FaceID	External Classes::Variant	private	☐	instance
let_ICommandItem_FaceID	<None>	private	☐	instance
get_ICommandItem_Group	VB::Boolean	private	☐	instance
let_ICommandItem_Group	<None>	private	☐	instance
get_ICommandItem_HelpFile	VB::String	private	☐	instance
let_ICommandItem_HelpFile	<None>	private	☐	instance
get_ICommandItem_HelpContextID	VB::Long	private	☐	instance
let_ICommandItem_HelpContextID	<None>	private	☐	instance
get_ICommandItem_ID	esriSystem::IUID	private	☐	instance
get_ICommandItem_Index	VB::Long	private	☐	instance

Classification: CDrawQuickPolygon Operations (Continued)

let_ICommandItem_Name	<None>	private	☐	instance
get_ICommandItem_Caption	VB::String	private	☐	instance
let_ICommandItem_Caption	<None>	private	☐	instance
get_ICommandItem_Parent	esriFramework::ICommandBar	private	☐	instance
ICommandItem_Reset	<None>	private	☐	instance
get_ICommandItem_Style	esriSystemUI::esriCommandStyles	private	☐	instance
let_ICommandItem_Style	<None>	private	☐	instance
get_ICommandItem_Tag	VB::String	private	☐	instance
let_ICommandItem_Tag	<None>	private	☐	instance
get_ICommandItem_Tooltip	VB::String	private	☐	instance
let_ICommandItem_Tooltip	<None>	private	☐	instance
get_ICommandItem_Type	esriFramework::esriCommandTypes	private	☐	instance
get_ICommandItem_Message	VB::String	private	☐	instance
let_ICommandItem_Message	<None>	private	☐	instance
ICommandItem_Execute	<None>	private	☐	instance
ICommandItem_Refresh	<None>	private	☐	instance

Classification: CFilterDraw

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ICustomizationFilter_OnCustomizationEvent	VB::Boolean	private	☐	instance

Classification: CSelectShorelines

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_pActiveView	esriCarto::IActiveView	private	1	
m_pScreenDisplay	esriDisplay::IScreenDisplay	private	1	
m_pFeedbackEnv	esriDisplay::INewEnvelopeFeedback	private	1	
m_pPoint	esriGeometry::IPoint	private	1	
m_blnMouseDown	VB::Boolean	private	1	
m_strShoreline	VB::String	private	1	"Shoreline"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Terminate	<None>	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance
get_ITool_Cursor	esriSystem::OLE_HANDLE	private	☐	instance
ITool_Deactivate	VB::Boolean	private	☐	instance
ITool_OnContextMenu	VB::Boolean	private	☐	instance
ITool_OnDblClick	<None>	private	☐	instance
ITool_OnKeyDown	<None>	private	☐	instance
ITool_OnKeyUp	<None>	private	☐	instance
ITool_OnMouseDown	<None>	private	☐	instance
ITool_OnMouseMove	<None>	private	☐	instance
ITool_OnMouseUp	<None>	private	☐	instance
ITool_Refresh	<None>	private	☐	instance
get_ICommandItem_Action	VB::String	private	☐	instance
let_ICommandItem_Action	<None>	private	☐	instance
get_ICommandItem_BuiltIn	VB::Boolean	private	☐	instance
get_ICommandItem_Caption	VB::String	private	☐	instance
let_ICommandItem_Caption	<None>	private	☐	instance
get_ICommandItem_Category	VB::String	private	☐	instance
get_ICommandItem_Command	esriSystemUI::ICommand	private	☐	instance
ICommandItem_Delete	<None>	private	☐	instance
ICommandItem_Execute	<None>	private	☐	instance
get_ICommandItem_FaceID	External Classes::Variant	private	☐	instance
let_ICommandItem_FaceID	<None>	private	☐	instance
get_ICommandItem_Group	VB::Boolean	private	☐	instance
let_ICommandItem_Group	<None>	private	☐	instance
get_ICommandItem_HelpContextID	VB::Long	private	☐	instance
let_ICommandItem_HelpContextID	<None>	private	☐	instance

Classification: CSelectShorelines Operations (Continued)

get_ICommandItem_HelpFile	VB::String	private	☐	instance
let_ICommandItem_HelpFile	<None>	private	☐	instance
get_ICommandItem_ID	esriSystem::IUID	private	☐	instance
get_ICommandItem_Index	VB::Long	private	☐	instance
get_ICommandItem_Message	VB::String	private	☐	instance
let_ICommandItem_Message	<None>	private	☐	instance
get_ICommandItem_Name	VB::String	private	☐	instance
let_ICommandItem_Name	<None>	private	☐	instance
get_ICommandItem_Parent	esriFramework::ICommandBar	private	☐	instance
ICommandItem_Refresh	<None>	private	☐	instance
ICommandItem_Reset	<None>	private	☐	instance
get_ICommandItem_Style	esriSystemUI::esriCommandStyles	private	☐	instance
let_ICommandItem_Style	<None>	private	☐	instance
get_ICommandItem_Tag	VB::String	private	☐	instance
let_ICommandItem_Tag	<None>	private	☐	instance
get_ICommandItem_Tooltip	VB::String	private	☐	instance
let_ICommandItem_Tooltip	<None>	private	☐	instance
get_ICommandItem_Type	esriFramework::esriCommandTypes	private	☐	instance

Classification: frmEnhancedQuickLook

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_strRegionPath	VB::String	private	1	
m_strQuickPath	VB::String	private	1	
m_strADOConnection	VB::String	private	1	
m_blnConvertUnits	VB::Boolean	private	1	
m_dblCellSize	VB::Double	private	1	
m_NoDataValue	External Classes::Variant	private	1	
m_outputPixelType	esriGeoDatabase::rstPixelType	private	1	
MODULE	VB::String	private	1	"frmEnhancedQuickLook - "
DIR_QUICK	VB::String	private	1	"Quick"
RAS_QUICKDEPTH	VB::String	private	1	"QuickDepth"
FC_QUICKLOOK	VB::String	private	1	"QuickLook"
FC_BOUNDARY	VB::String	private	1	"hzboundary"
MDB_REGIONBNDRY	VB::String	private	1	"RegionBndry"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
set_AppName	<None>	public	☐	instance
let_ADOConnection	<None>	public	☐	instance
let_RegionPath	<None>	public	☐	instance
Form_Load	<None>	private	☐	instance
cboVerticalDatum_Click	<None>	private	☐	instance
cmdBrowseDem_Click	<None>	private	☐	instance
cmdShowDem_Click	<None>	private	☐	instance
AddLayer	<None>	private	☐	instance
cmdBrowsePolygon_Click	<None>	private	☐	instance
DissolvePolygon	<None>	private	☐	instance
cmdShowPolygon_Click	<None>	private	☐	instance
cmdCancel_Click	<None>	private	☐	instance
cmdOK_Click	<None>	private	☐	instance
ValidateForm	VB::Boolean	private	☐	instance
ValidateDEM	VB::Boolean	private	☐	instance
ValidatePolygon	VB::Boolean	private	☐	instance
NewLook	<None>	private	☐	instance
ModifyRasterUnits	External Classes::IRaster	public	☐	instance
DEMPixelType	<None>	private	☐	instance
ProcessPixelBlock	<None>	private	☐	instance
GetMaximum	External Classes::Collection	private	☐	instance
FullDamageGrid	<None>	private	☐	instance
BFE	<None>	private	☐	instance
SetupFields	esriGeoDatabase::IFields2	private	☐	instance
CalculateBFE	<None>	private	☐	instance
InsertElev	<None>	private	☐	instance
InterpolateElev	<None>	private	☐	instance
AddToDepthPolygon	<None>	private	☐	instance
CreateGridFromWse	<None>	private	☐	instance

Classification: frmflowReg

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_MasterPaths	hzFlAnworkflow::ChzFlMasterPaths	private	1	
m_HazardVariables	hzFlAnworkflow::CHazardVariables	private	1	
m_HydraulicsVariables	hzFlAnHydraulics::clsHydraulicsVariables	private	1	
m_pApp	esriFramework::IApplication	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_pFilter	esriFramework::ICustomizationFilter	private	1	
m_pQTable	esriGeoDatabase::ITable	private	1	
m_pReachesFClass	esriGeoDatabase::IFeatureClass	private	1	
m_dblDischarge	VB::Double	private	1	
m_lngFLID	VB::Long	private	1	
m_lngReturnPeriod	VB::Long	private	1	
m_blnCancel	VB::Boolean	private	1	
m_blnFilterError	VB::Boolean	private	1	
m_strDemPath	VB::String	private	1	
m_strDemName	VB::String	private	1	
m_strHydroPath	VB::String	private	1	
m_strStudyCasePath	VB::String	private	1	
m_strRiverinePath	VB::String	private	1	
m_AvailablePs	External Classes::Collection	private	1	
m_AvailableQs	External Classes::Collection	private	1	
MDB_RIVINPUT	VB::String	private	1	"FlAnRivInput"
MDB_RIVOUTPUT	VB::String	private	1	"FlAnRivOutput"
MDB_CASEOUTPUT	VB::String	private	1	"CaseOutput"
FC_BASINNET	VB::String	private	1	"basinnet"
FC_GAGES	VB::String	private	1	"gages"
FC_WATERSHEDS	VB::String	private	1	"watersheds"
TAB_USFREQ	VB::String	private	1	"USFreq"
FC_COVER	VB::String	private	1	"Cover"
FC_NETWORK	VB::String	private	1	"Network"
FC_REACHES	VB::String	private	1	"Reaches"
RAS_WATERSHED	VB::String	private	1	"Watershed"
RAS_FLOWDIR	VB::String	private	1	"FlowDir"
RAS_FLOWACC	VB::String	private	1	"FlowAcc"
RAS_FLOWLENGTH	VB::String	private	1	"FlowLength"
FC_CHOSENREACHES	VB::String	private	1	"ChosenReaches"
TAB_QFREQ	VB::String	private	1	"Qfreq"
FLOWREG	VB::String	private	1	"FlowReg"
LB_SETTABSTOPS	<unspecified>	private	1	&H192
c_password	<unspecified>	private	1	"password"
SWP_NOSIZE	<unspecified>	private	1	&H1
SWP_NOMOVE	<unspecified>	private	1	&H2
FLAGS	VB::Long	private	1	SWP_NOMOVE Or SWP_NOSIZE
HWND_TOPMOST	<unspecified>	private	1	-1

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
SetWin_TOPMOST	<None>	private	☐	instance
set_AppName	<None>	public	☐	instance
set_MasterPaths	<None>	public	☐	instance
set_HazardVariables	<None>	public	☐	instance
set_HydroVariables	<None>	public	☐	instance
Form_Activate	<None>	private	☐	instance
Form_Load	<None>	private	☐	instance
cmdDraw_Click	<None>	private	☐	instance
cmdApply_Click	<None>	private	☐	instance
cmdOK_Click	<None>	private	☐	instance
cmdCancel_Click	<None>	private	☐	instance
Form_Unload	<None>	private	☐	instance
OpenQTable	<None>	private	☐	instance
SetTabStops	<None>	private	☐	instance
ValidateNumber	VB::Boolean	private	☐	instance
ValidateInput	VB::Boolean	private	☐	instance
ValidateRivInputGDB	VB::Boolean	private	☐	instance
ValidateRivNetworkOutput	VB::Boolean	private	☐	instance

Classification: frmLevee

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_pFilter	esriFramework::ICustomizationFilter	private	1	
m_HydraulicsVariables	hzFlAnHydraulics::clsHydraulicsVariables	private	1	
m_MasterPaths	hzFlAnworkflow::ChzFlMasterPaths	private	1	
m_HazardVariables	hzFlAnworkflow::CHazardVariables	private	1	
m_pFrame	esriFramework::IModelessFrame	private	1	
m_lngLevees	VB::Long	private	1	
m_strClipDEMName	VB::String	private	1	
m_strClipDEMPath	VB::String	private	1	
m_strLeveePath	VB::String	private	1	
m_strRiverinePath	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_blnCancel	VB::Boolean	private	1	
m_blnFilterError	VB::Boolean	private	1	
LEVEE	VB::String	private	1	"Levee"
PASSWORD	VB::String	private	1	"password"
FC_REACHES	VB::String	private	1	"Reaches"
MDB_RIVOUTPUT	VB::String	private	1	"FlAnRivOutput"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Frame	esriFramework::IModelessFrame	public	☐	instance
set_AppName	<None>	public	☐	instance
set_MasterPaths	<None>	public	☐	instance
set_HazardVariables	<None>	public	☐	instance
set_HydroVariables	<None>	public	☐	instance
Form_Activate	<None>	private	☐	instance
Form_Load	<None>	private	☐	instance
Form_Unload	<None>	private	☐	instance
cmdDraw_Click	<None>	private	☐	instance
cmdClear_Click	<None>	private	☐	instance
cmdSave_Click	<None>	private	☐	instance
cmdOK_Click	<None>	private	☐	instance
cmdCancel_Click	<None>	private	☐	instance
AddNetwork	<None>	private	☐	instance

Classification: frmLTErosion

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_MasterPaths	hzFlAnworkflow::ChzFlMasterPaths	private	1	
m_HazardVariables	hzFlAnworkflow::CHazardVariables	private	1	
m_HydraulicsVariables	hzFlAnHydraulics::clsHydraulicsVariables	private	1	
m_pFeatureSelection	esriCarto::IFeatureSelection	private	1	
m_pShorelineFClass	esriGeoDatabase::IFeatureClass	private	1	
m_pFeatureLayer	esriCarto::IFeatureLayer	private	1	
m_strStudyCasePath	VB::String	private	1	
m_lngNumofSegments	VB::Long	private	1	
m_lngSegmentNumber	VB::Long	private	1	
m_strErosionRate( )	VB::String	private	1	
m_strErosionDuration( )	VB::String	private	1	
m_strShoreline	VB::String	private	1	"Shoreline"
m_strCaseOutGDB	VB::String	private	1	"CaseOutput"
m_strSeqID	VB::String	private	1	"SeqID"
m_dblFeetToMeters	VB::Double	private	1	0.3048

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
set_AppName	<None>	public	☐	instance
set_MasterPaths	<None>	public	☐	instance
set_HazardVariables	<None>	public	☐	instance
set_HydroVariables	<None>	public	☐	instance
cmdCancel_Click	<None>	private	☐	instance
cmdOK_Click	<None>	private	☐	instance
cmdSegment_Click	<None>	private	☐	instance
Form_Activate	<None>	private	☐	instance
Form_Load	<None>	private	☐	instance
Form_Unload	<None>	private	☐	instance
OpenShorelineLayer	<None>	private	☐	instance
ChangeSegment	<None>	private	☐	instance
HydrateControls	<None>	private	☐	instance
SaveControls	<None>	private	☐	instance
ValidateSegments	VB::Boolean	private	☐	instance
ValidateNumber	VB::Boolean	private	☐	instance
WriteShorelineValues	<None>	private	☐	instance

Classification: frmQuickLook

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_pFilter	esriFramework::ICustomizationFilter	private	1	
m_pFrame	esriFramework::IModelessFrame	private	1	
m_strADOConnection	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_strQuickPath	VB::String	private	1	
m_blnFilterError	VB::Boolean	private	1	
m_lngQuickPolygons	VB::Long	private	1	
c_password	VB::String	private	1	"password"
m_strQuickName	VB::String	private	1	"QuickLook"
m_strQuickDepth	VB::String	private	1	"QuickDepth"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Frame	esriFramewor...	public	☐	instance
set_AppName	<None>	public	☐	instance
let_ADOConnection	<None>	public	☐	instance
let_RegionPath	<None>	public	☐	instance
cmdCancel_Click	<None>	private	☐	instance
cmdClear_Click	<None>	private	☐	instance
cmdDraw_Click	<None>	private	☐	instance
cmdOK_Click	<None>	private	☐	instance
cmdSave_Click	<None>	private	☐	instance
Form_Activate	<None>	private	☐	instance
Form_Load	<None>	private	☐	instance
Form_Unload	<None>	private	☐	instance

Classification: frmShoreProtect

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_MasterPaths	hzFlAnworkflow::ChzFlMasterPaths	private	1	
m_HazardVariables	hzFlAnworkflow::CHazardVariables	private	1	
m_HydraulicsVariables	hzFlAnHydraulics::clsHydraulicsVariables	private	1	
m_pShorelineFClass	esriGeoDatabase::IFeatureClass	private	1	
m_pFeatureLayer	esriCarto::IFeatureLayer	private	1	
m_pFeatureSelection	esriCarto::IFeatureSelection	private	1	
m_pFilter	esriFramework::ICustomizationFilter	private	1	
m_strStudyCasePath	VB::String	private	1	
m_blnFilterError	VB::Boolean	private	1	
m_strShoreline	VB::String	private	1	"Shoreline"
m_strCaseOutGDB	VB::String	private	1	"CaseOutput"
m_strSProtect	VB::String	private	1	"SProtect"
c_password	<unspecified>	private	1	"password"
SWP_NOSIZE	<unspecified>	private	1	&H1
SWP_NOMOVE	<unspecified>	private	1	&H2
FLAGS	VB::Long	private	1	SWP_NOMOVE Or SWP_NOSIZE
HWND_TOPMOST	<unspecified>	private	1	-1

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
SetWin_TOPMOST	<None>	private	☐	instance
set_AppName	<None>	public	☐	instance
set_MasterPaths	<None>	public	☐	instance
set_HazardVariables	<None>	public	☐	instance
set_HydroVariables	<None>	public	☐	instance
cmdCancel_Click	<None>	private	☐	instance
cmdClear_Click	<None>	private	☐	instance
cmdOK_Click	<None>	private	☐	instance
cmdSelect_Click	<None>	private	☐	instance
Form_Activate	<None>	private	☐	instance
Form_Load	<None>	private	☐	instance
Form_Unload	<None>	private	☐	instance
SetSelectableLayer	<None>	private	☐	instance
OpenInputDatasets	<None>	private	☐	instance

Classification: frmVelocity

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_HydroVariables	hzFlAnHydraulics::clsHydraulicsVariables	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
set_AppName	<None>	public	☐	instance
set_HydroVariables	<None>	public	☐	instance
cmdNo_Click	<None>	private	☐	instance
cmdYes_Click	<None>	private	☐	instance
Form_Load	<None>	private	☐	instance
Form_Unload	<None>	private	☐	instance

Classification: hzFlAnEnhancedQuickLook

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_strADOConnection	VB::String	private	1	
m_strCaseRiverinePath	VB::String	private	1	
m_strDatapath	VB::String	private	1	
m_strDemPath	VB::String	private	1	
m_strDemName	VB::String	private	1	
m_strFlowRegPath	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_strRegionRiverinePath	VB::String	private	1	
m_strStudyCasePath	VB::String	private	1	
m_StudyCase_ID	VB::String	private	1	
m_MasterPaths	hzFlAnworkflow::ChzFlMasterPaths	private	1	
m_strCurrentModule	VB::String	private	1	"hzFlAnEnhancedQuickLook - "

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Initialize	<None>	private	☐	instance
Class_Terminate	<None>	private	☐	instance
SetMasterPaths	<None>	public	☐	instance
EnhancedQuickLook	<None>	public	☐	instance

Classification: hzFlAnFlowRegulate

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_MasterPaths	hzFlAnworkflow::ChzFlMasterPaths	private	1	
m_HazardVariables	hzFlAnworkflow::CHazardVariables	private	1	
m_HydraulicsVariables	hzFlAnHydraulics::clsHydraulicsVaria...	private	1	
m_dblCellSize	VB::Double	private	1	
m_strADOConnection	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_strCaseRiverinePath	VB::String	private	1	
m_strDemName	VB::String	private	1	
m_strDemPath	VB::String	private	1	
m_strDatapath	VB::String	private	1	
m_strFlowRegPath	VB::String	private	1	
m_strHydroPath	VB::String	private	1	
m_strRegionRiverinePath	VB::String	private	1	
m_strStudyCasePath	VB::String	private	1	
MODULE	VB::String	private	1	"hzFlAnFlowRegulate - "
DIR_FLOWREG	VB::String	private	1	"FlowReg"
FC_CHOSENREACHES	VB::String	private	1	"ChosenReaches"
MDB_RIVOUTPUT	VB::String	private	1	"FlAnRivOutput"
MDB_CASEOUTPUT	VB::String	private	1	"CaseOutput"
TAB_QFREQ	VB::String	private	1	"Qfreq"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Initialize	<None>	private	☐	instance
Class_Terminate	<None>	private	☐	instance
set_MasterPaths	<None>	public	☐	instance
set_HazardVariables	<None>	public	☐	instance
get_Succeeded	VB::Boolean	public	☐	instance
EntryPoint	<None>	public	☐	instance
ValidateFlowRegulationInput	VB::Boolean	private	☐	instance
PopulateHydraulicsVariables	<None>	private	☐	instance

Classification: hzFlAnLevee

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_HydraulicsVariables	hzFlAnHydraulics::clsHydraulicsVaria...	private	1	
m_MasterPaths	hzFlAnworkflow::ChzFlMasterPaths	private	1	
m_HazardVariables	hzFlAnworkflow::CHazardVariables	private	1	
m_strCaseRiverinePath	VB::String	private	1	
m_strDemName	VB::String	private	1	
m_strDemPath	VB::String	private	1	
m_strDatapath	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_strRegionRiverinePath	VB::String	private	1	
m_strStudyCasePath	VB::String	private	1	
m_dblCellSize	VB::Double	private	1	
m_strHydroPath	VB::String	private	1	
DEPTH	VB::String	private	1	"Depth"
LEVEE	VB::String	private	1	"Levee"
FC_CHOSENREACHES	VB::String	private	1	"ChosenReaches"
FC_REACHES	VB::String	private	1	"Reaches"
FLD_ANALTYPE	VB::String	private	1	"AnalType"
MDB_CASEOUTPUT	VB::String	private	1	"CaseOutput"
MDB_RIVOUTPUT	VB::String	private	1	"FlAnRivOutput"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Initialize	<None>	private	☐	instance
Class_Terminate	<None>	private	☐	instance
set_MasterPaths	<None>	public	☐	instance
set_HazardVariables	<None>	public	☐	instance
get_Succeeded	VB::Boolean	public	☐	instance
DoLevee	<None>	public	☐	instance
ValidateLeveeInput	VB::Boolean	private	☐	instance
PopulateHydraulicsVariables	<None>	private	☐	instance

Classification: hzFlAnLongErosion

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_HydraulicsVariables	hzFlAnHydraulics::clsHydraulicsVariables	private	1	
m_MasterPaths	hzFlAnworkflow::ChzFlMasterPaths	private	1	
m_HazardVariables	hzFlAnworkflow::CHazardVariables	private	1	
m_strDemPath	VB::String	private	1	
m_strDemName	VB::String	private	1	
m_strStudyCaseCoastalPath	VB::String	private	1	
m_strCaseOutputGDB	VB::String	private	1	"CaseOutput"
m_strShoreline	VB::String	private	1	"Shoreline"
m_strLTErosion	VB::String	private	1	"LTErosion"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Initialize	<None>	private	☐	instance
Class_Terminate	<None>	private	☐	instance
MasterPaths	<None>	public	☐	instance
set_HazardVariables	<None>	public	☐	instance
get_Succeeded	VB::Boolean	public	☐	instance
EntryPoint	<None>	public	☐	instance
ValidateCoastalInput	VB::Boolean	private	☐	instance

Classification: hzFlAnQuickLook

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_strRegionPath	VB::String	private	1	
m_strADOConnection	VB::String	private	1	
m_blnSucceeded	VB::Boolean	private	1	
m_strRegBnd	VB::String	private	1	"RegionBndry"
m_strRegFClass	VB::String	private	1	"hzboundary"
m_strQuickFolder	VB::String	private	1	"Quick"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Initialize	<None>	private	☐	instance
Class_Terminate	<None>	private	☐	instance
SetMasterPaths	<None>	public	☐	instance
get_Succeeded	VB::Boolean	public	☐	instance
QuickLook	<None>	public	☐	instance
ValidateQuickInput	VB::Boolean	private	☐	instance

Classification: hzFlAnShoreProtect

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_HydraulicsVariables	hzFlAnHydraulics::clsHydraulicsVariables	private	1	
m_MasterPaths	hzFlAnworkflow::ChzFlMasterPaths	private	1	
m_HazardVariables	hzFlAnworkflow::CHazardVariables	private	1	
m_strDemPath	VB::String	private	1	
m_strDemName	VB::String	private	1	
m_strStudyCaseCoastalPath	VB::String	private	1	
m_strCaseOutputGDB	VB::String	private	1	"CaseOutput"
m_strHydro	VB::String	private	1	"Hydro"
m_strShoreline	VB::String	private	1	"Shoreline"
m_strShoreProtect	VB::String	private	1	"ShoreProtect"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Initialize	<None>	private	☐	instance
Class_Terminate	<None>	private	☐	instance
MasterPaths	<None>	public	☐	instance
set_HazardVariables	<None>	public	☐	instance
get_Succeeded	VB::Boolean	public	☐	instance
EntryPoint	<None>	public	☐	instance
ValidateShoreProtectionInput	VB::Boolean	private	☐	instance

Classification: hzFlAnVelocity

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_HydraulicsVariables	hzFlAnHydraulics::clsHydraulicsVariables	private	1	
m_MasterPaths	hzFlAnworkflow::ChzFlMasterPaths	private	1	
m_HazardVariables	hzFlAnworkflow::CHazardVariables	private	1	
m_strADOConnection	VB::String	private	1	
m_strCaseRiverinePath	VB::String	private	1	
m_strDemName	VB::String	private	1	
m_strDemPath	VB::String	private	1	
m_strDatapath	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_strRegionRiverinePath	VB::String	private	1	
m_lngStudyCaseID	VB::Long	private	1	
m_dblCellSize	VB::Double	private	1	
HYDRO	VB::String	private	1	"Hydro"
Velocity	VB::String	private	1	"Velocity"
FC_CHOSENREACHES	VB::String	private	1	"ChosenReaches"
FC_CNTROFPOLYS	VB::String	private	1	"CntrOfPolys"
MDB_CASEOUTPUT	VB::String	private	1	"CaseOutput"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Initialize	<None>	private	☐	instance
Class_Terminate	<None>	private	☐	instance
set_MasterPaths	<None>	public	☐	instance
set_HazardVariables	<None>	public	☐	instance
get_Succeeded	VB::Boolean	public	☐	instance
EntryPoint	<None>	public	☐	instance
ValidateVelocityInput	VB::Boolean	private	☐	instance
PopulateHydraulicsVariables	<None>	private	☐	instance

Classification: modFlowRegulate

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strRiverinePath	VB::String	private	1	
m_strOutMDBName	VB::String	private	1	"FlAnRivOutput"
m_strQfreqTab	VB::String	private	1	"Qfreq"
m_strFlowReg	VB::String	private	1	"FlowReg"
m_strFLID	VB::String	private	1	"FLID"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CheckValidFlowReg	VB::Boolean	public	☐	instance
ValidFlowRegPoint	VB::Boolean	public	☐	instance
PopulatePQPairs	VB::Boolean	public	☐	instance

Classification: modLevee

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
MODULE	VB::String	private	1	"modLevee - "
CLIPDEM	VB::String	private	1	"clipDEM"
LEVEE	VB::String	private	1	"Levee"
LEVEEDEM	VB::String	private	1	"LeveeDEM"
STATUSMAIN	VB::String	private	1	"Riverine levee analysis"
FC_REACHES	VB::String	private	1	"Reaches"
MDB_RIVOUTPUT	VB::String	private	1	"FlAnRivOutput"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ValidateProtLevel	VB::Boolean	public	☐	instance
InvalidateLeveeData	<None>	public	☐	instance
SaveLevee	<None>	public	☐	instance
LeveeShapefile	esriGeoDatabase::IFeatureClass	public	☐	instance
MakeLeveeShapefile	esriGeoDatabase::IFeatureClass	public	☐	instance
LeveeIntersection	VB::Boolean	private	☐	instance
SetupLeveeFields	esriGeoDatabase::IFields2	private	☐	instance
LeveeFLayer	esriCarto::IFeatureLayer	private	☐	instance
CreateLeveeOutput	<None>	public	☐	instance
BuildLeveeDEM	<None>	private	☐	instance

Classification: modLTErosion

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strStatusMain	VB::String	private	1	"Coastal long-term erosion analysis"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
LongTermErosion	<None>	public	☐	instance

Classification: modNavigation

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
RchNavigation	External Classes::Collection	public	☐	instance
StpListList	External Classes::Collection	private	☐	instance

Classification: modQuickLook

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strCurrentModule	VB::String	private	1	"modQuickLook - "
m_strRegionBnd	VB::String	private	1	"RegionBndry"
m_strRegFClass	VB::String	private	1	"hzboundary"
m_strQuickName	VB::String	private	1	"QuickLook"
m_strQuickDepth	VB::String	private	1	"QuickDepth"
m_strQuickBoundary	VB::String	private	1	"QuickBoundary"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ValidateQuickDepth	VB::Boolean	public	☐	instance
RegionContainsQuick	VB::Boolean	public	☐	instance
SaveQuickDepth	<None>	public	☐	instance
QuickLookShapefile	esriGeoDatabase::IFeatureClass	public	☐	instance
MakeQuickLookShapefile	esriGeoDatabase::IFeatureClass	public	☐	instance
QuickIntersectsQuick	<None>	private	☐	instance
SetupQuickFields	esriGeoDatabase::IFields2	private	☐	instance
QuickLookFLayer	esriCarto::IFeatureLayer	public	☐	instance
BuildQuickGrid	<None>	public	☐	instance
DisplayQuickGrid	<None>	public	☐	instance
InvalidateQuickData	<None>	public	☐	instance

Classification: modVelocity

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_lngNumberOfReaches	VB::Long	private	1	
m_lngCurrentReach	VB::Long	private	1	
m_lngFLID	VB::Long	private	1	
m_lngAnalysisType	VB::Long	private	1	
m_lngAnalysisVal	VB::Long	private	1	
m_dblCellSize	VB::Double	private	1	
m_strWSEFClassName	VB::String	private	1	
m_strConvFClass	VB::String	private	1	
MODULE	VB::String	private	1	"modVelocity - "
CONVPG	VB::String	private	1	"ConvPG"
DEPTH	VB::String	private	1	"Depth"
MIX	VB::String	private	1	"Mix"
REACH	VB::String	private	1	"Reach"
RPD	VB::String	private	1	"rpd"
VEL	VB::String	private	1	"Vel"
XSECTS	VB::String	private	1	"XSects"
DIR_HYDRAULICS	VB::String	private	1	"Hydraulics"
DIR_REACHES	VB::String	private	1	"Reaches"
DIR_VELOCITY	VB::String	private	1	"Velocity"
FC_CHOSENREACHES	VB::String	private	1	"ChosenReaches"
FC_CNTROFPOLYS	VB::String	private	1	"CntrOfPolys"
FLD_FLID	VB::String	private	1	"FLID"
FLD_INTERPWGHT	VB::String	private	1	"Interpwght"
FLD_REFQ	VB::String	private	1	"refQ"
FLD_REFVEL	VB::String	private	1	"refVel"
FLD_UPSECT	VB::String	private	1	"Upsect"
MDB_CASEOUTPUT	VB::String	private	1	"CaseOutput"
STATUSMAIN	VB::String	private	1	"Riverine velocity analysis"
m_strFloodBoundary	VB::String	private	1	"FloodBoundary"
CELLSIZEFACTOR	VB::Double	private	1	1#
MetersToFeet	<unspecified>	public	1	3.28
FeetToMeters	<unspecified>	public	1	0.3048

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
VelocityEntry	<None>	public	☐	instance
Velocity	<None>	private	☐	instance
MakeVelocityLists	External Classes::Collection	private	☐	instance
PopulatePointVelocities	<None>	private	☐	instance
BuildVelocityGrid	<None>	private	☐	instance
GridFromWsePtsFClass	esriGeoDatabase::IRaster	private	☐	instance
DeleteTempDatasets	<None>	private	☐	instance

4.2.6 (hzFlAddGridtoMap) Library

Classification: CAddMapCommand

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_app	esriFramework::IApplication	private	1	
m_selectedReturnPeriod	VB::String	private	1	"100"
m_master	hzFlAnWorkFlow::ChzFlMasterPaths	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Terminate	<None>	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance

Classification: ChzFlAnAddGridtoMap

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_ReturnPeriod	VB::String	private	1	
m_StudycasePath	VB::String	private	1	
m_selectedReturnPeriod	External Classes::Variant	private	1	
m_riverineDepthPath	VB::String	private	1	
m_masterpaths	hzFlAnWorkFlow::ChzFlMasterPaths	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
set_MasterPaths	<None>	public	☐	instance
let_SelectedRPD	<None>	public	☐	instance
EntryPoint	<None>	public	☐	instance
Class_Initialize	<None>	private	☐	instance
Class_Terminate	<None>	private	☐	instance

Classification: frmStatus

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_blnCancel	VB::Boolean	private	1	
m_pApp	esriFramework::IApplication	private	1	
m_masterpaths	hzFlAnWorkFlow::ChzFlMasterP...	private	1	
m_HazardVariables	hzFlAnWorkFlow::CHazardVaria...	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
set_AppName	<None>	public	☐	instance
set_MasterPaths	<None>	public	☐	instance
set_HazardVariables	<None>	public	☐	instance
Form_Load	<None>	private	☐	instance

Classification: modflAnAddGrid

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_riverineDepthPath	VB::String	private	1	
m_RiverinePath	VB::String	private	1	
m_CoastalPath	VB::String	private	1	
m_selectedReturnPeriod	External Classes::Vari...	private	1	
m_StudycasePath	VB::String	private	1	
m_CoastalDepthPath	VB::String	private	1	
m_fldgrdName	VB::String	private	1	
m_HazType	VB::Long	private	1	
m_MixDepth	VB::Boolean	private	1	
m_sRivBoundNm	VB::String	private	1	
m_sCoastBoundNm	VB::String	private	1	
TITLE	VB::String	private	1	"Add Grid to Map"
m_Caseout	VB::String	private	1	"CaseOutput"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
InitAddMap	<None>	public	☐	instance
ValidWorkSpace	VB::Boolean	private	☐	instance
ValidReturnPeriod	VB::Boolean	private	☐	instance
ValidHazType	VB::Boolean	private	☐	instance
AddDepthGrid	VB::Boolean	private	☐	instance

Classification: modGeodatabase

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
MODULE	<unspecified>	private	1	"modGeodatabase - "
m_strCover	<unspecified>	private	1	"Cover"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CreateShapefile	esriGeoDatabase::IFeatureClass	public	☐	instance
CreateGeodatabase	<None>	public	☐	instance
CreateFeatureDataset	<None>	public	☐	instance
CreateFeatureClass	esriGeoDatabase::IFeatureClass	public	☐	instance
CreateGDBTable	esriGeoDatabase::ITable	public	☐	instance
DeleteShapefile	<None>	public	☐	instance
DeleteGeodatabase	<None>	public	☐	instance
ModifyOutputGeodatabase	<None>	public	☐	instance
DeleteGDBFeatureClass	<None>	public	☐	instance
DeleteGDBFClassByWildcard	<None>	public	☐	instance
DeleteShapefileByWildcard	<None>	public	☐	instance
DeleteGDBTable	<None>	public	☐	instance
SetupCopiedFields	esriGeoDatabase::IFields	public	☐	instance
OpenFeatureClassFromShapefile	esriGeoDatabase::IFeatureClass	public	☐	instance
OpenGeodatabaseFClass	esriGeoDatabase::IFeatureClass	public	☐	instance
OpenFileGeodatabaseFClass	esriGeoDatabase::IFeatureClass	public	☐	instance
OpenGDBTable	esriGeoDatabase::ITable	public	☐	instance
OpenFeatureDataset	esriGeoDatabase::IFeatureDataset	public	☐	instance
GetShapefileWorkspace	esriGeoDatabase::IWorkspace	public	☐	instance
ShapefileToGDBFClass	<None>	public	☐	instance
DefaultIndexGrid	VB::Double	private	☐	instance
Min	External Classes::Variant	private	☐	instance
Max	External Classes::Variant	private	☐	instance
DefaultIndexGridPoint	VB::Double	private	☐	instance
FindObjectIDField	VB::Long	public	☐	instance
SelectedFeaturesToShapefile	esriGeoDatabase::IFeatureClass	public	☐	instance
QueryFilterToShapefile	esriGeoDatabase::IFeatureClass	public	☐	instance
CompactAccessGDB	<None>	public	☐	instance
FieldErrorText	VB::String	public	☐	instance
GeometryToFeatureClass	esriGeoDatabase::IFeatureClass	public	☐	instance
SetupFieldsNoAttributes	esriGeoDatabase::IFields	public	☐	instance
VerifyGDBFeatureClass	VB::Boolean	public	☐	instance
ExportGDBFClass	<None>	public	☐	instance
GDBFClassToGDBFClass	<None>	public	☐	instance
Explode	<None>	public	☐	instance
InsertFeature	<None>	private	☐	instance
ProjectFClassToGDBFClass	<None>	public	☐	instance
CleanShapes	<None>	public	☐	instance
DeleteGDBFeatureDataset	<None>	public	☐	instance
DeleteFDatasetByWildcard	<None>	public	☐	instance
CreateDBFTable	esriGeoDatabase::ITable	public	☐	instance
OpenDBFTable	esriGeoDatabase::ITable	public	☐	instance
DeleteDBFTable	<None>	public	☐	instance
CheckForGDBTable	VB::Boolean	public	☐	instance

Classification: modGeometry

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strCurrentModule	VB::String	private	1	"modGeometry - "
m_strUnion	VB::String	private	1	"Union"
m_dblGeneralizeFactor	VB::Double	private	1	5#

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
BufferABS	esriGeometry::IGeometry	public	☐	instance
IntersectABS	esriGeometry::IGeometry	public	☐	instance
SimplifyABS	<None>	public	☐	instance
SimplifyABS_ShpApproach	<None>	public	☐	instance
ConstructUnionABS	esriGeometry::IGeometry	public	☐	instance
UnionABS	esriGeometry::IGeometry	public	☐	instance
SaveAndGetGeom	esriGeometry::IGeometry	private	☐	instance
DifferenceABS	esriGeometry::IGeometry	public	☐	instance
SymmetricDiffABS	esriGeometry::IGeometry	public	☐	instance
CutABS	<None>	public	☐	instance
AlterPrecision	<None>	public	☐	instance
RightSideTest	VB::Boolean	public	☐	instance
CleanPolygonIslands	esriGeometry::IPolygon	public	☐	instance
EnvelopeToPolygon	esriGeometry::IPolygon	public	☐	instance
RemoveBayAreas	esriGeometry::IPolygon	public	☐	instance
PointPosition	VB::Double	public	☐	instance
PointPositionQPD	VB::Double	public	☐	instance
CircleABS	esriGeometry::IPolygon	public	☐	instance
ForceSimplifyABS	<None>	public	☐	instance
SnapPointToPolyline	esriGeometry::IPoint	public	☐	instance
ProjectVector	<None>	public	☐	instance
RemoveDangles	esriGeometry::IPolyline	public	☐	instance
RingToPolygon	esriGeometry::IPolygon	public	☐	instance
PathToPolyline	esriGeometry::IPolyline	public	☐	instance
ExtendedPolyline	esriGeometry::IPolyline	public	☐	instance
CloneGeometry	esriSystem::IClone	public	☐	instance
ConstructUnionABS2	esriGeometry::IGeometry	public	☐	instance
DistBtwn2Shapes	VB::Double	public	☐	instance
ConvexHullABS	esriGeometry::IGeometry	public	☐	instance
avClone	esriSystem::IClone	public	☐	instance
PathToPolygon	esriGeometry::IPolygon	public	☐	instance
CrossesABS	VB::Boolean	public	☐	instance
AlterPrecisionRel	<None>	public	☐	instance
VertexIntersectABS	esriGeometry::IPoint	public	☐	instance
DistBtwnPointAndLine	VB::Double	public	☐	instance
LogGeometryError	<None>	public	☐	instance
PolygonVertexCleanup	<None>	public	☐	instance
RemoveCloseVertices	<None>	public	☐	instance
DistBtwnPoints	VB::Double	public	☐	instance
ConstructUnionABS3	esriGeometry::IGeometry	public	☐	instance
BoundaryABS	esriGeometry::IGeometry	public	☐	instance
DisjointABS	VB::Boolean	public	☐	instance
ValidGeometryABS	VB::Boolean	public	☐	instance
ConstructUnionABS4	esriGeometry::IGeometry	public	☐	instance

Classification: modGraphics

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strShoreStart	VB::String	private	1	"ShoreStart"
m_strShoreEnd	VB::String	private	1	"ShoreEnd"
m_strShoreBreak	VB::String	private	1	"ShoreBreak"
m_strFlowReg	VB::String	private	1	"FlowReg"
m_strLevee	VB::String	private	1	"Levee"
m_strUnionWatershed	VB::String	private	1	"UnionWatershed"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
AddCreateLine	<None>	public	☐	instance
AddCreatePolygon	<None>	public	☐	instance
AddCreatePoint	<None>	public	☐	instance
BuildRGB	esriDisplay::IRgbColor	public	☐	instance
ClearGraphicsLayer	<None>	public	☐	instance
GetExistingGraphicsLayer	esriCarto::IGraphicsLayer	private	☐	instance
ToggleGraphicsVisibility	<None>	public	☐	instance
GraphicsLayerCount	VB::Integer	public	☐	instance
GetGraphicsGeometry	esriGeometry::IGeometry	public	☐	instance
DeleteAllGraphics	<None>	public	☐	instance
DeleteGraphicsLayer	<None>	private	☐	instance
DeleteAllGraphicsLayers	<None>	public	☐	instance
DeleteGraphicsElement	<None>	public	☐	instance

Classification: modLayer:

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
MODULE	VB::String	private	1	"modLayer - "
m_strSelReachesName	VB::String	private	1	"ChosenReaches"
m_strSelShoreName	VB::String	private	1	"ChosenShorelines"
m_strProbReaches	VB::String	private	1	"ProblemReaches"
m_strFailedReaches	VB::String	private	1	"FailedReaches"
m_strSelRivFITName	VB::String	private	1	"FITRiv"
m_strSelCoastFITName	VB::String	private	1	"FITCoast"
m_strSelRivDGName	VB::String	private	1	"DGRiv"
m_strSelCoastDGName	VB::String	private	1	"DGCoast"
m_strBoundaryPolygon	VB::String	private	1	"BoundaryPolygon"
m_strRegionDEM	VB::String	private	1	"RegionDEM"
m_strSelUserDataName	VB::String	private	1	"SelectedUserData"
strInputType	VB::String	private	1	"InputType"
m_strFIT	VB::String	private	1	"FIT"
m_strDepthGrid	VB::String	private	1	"Depth Grid"
m_strCoastal	VB::String	private	1	"Coastal"
m_strRiverine	VB::String	private	1	"Riverine"
m_strQuick	VB::String	private	1	"Quick"
m_strUserData	VB::String	private	1	"UserData"
m_strRegionBndry	VB::String	private	1	"RegionBndry"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
AddFeatureLayer	<None>	public	☐	instance
AddRasterLayer	<None>	public	☐	instance
DeleteLayer	<None>	public	☐	instance
DeleteLayerByPath	<None>	public	☐	instance
FindLayerByName	esriCarto::ILayer	public	☐	instance
DeleteLayerByWildCard	<None>	public	☐	instance
DeleteNonSCLayers	<None>	public	☐	instance
FindLayerByPath	esriCarto::ILayer	public	☐	instance
FindLayerByPathAndName	esriCarto::ILayer	public	☐	instance
SelectionLayerByName	esriCarto::ILayer	public	☐	instance
FeatureSelectionCount	VB::Double	public	☐	instance
DisplayStreamNetwork	<None>	public	☐	instance
DisplayShorelines	<None>	public	☐	instance
DisplayFITLayer	<None>	public	☐	instance
DisplayUserDataLayer	<None>	public	☐	instance
DisplaySelectedFLayer	<None>	public	☐	instance
DisplayFloodplain	<None>	public	☐	instance
DisplayDepthGrid	<None>	public	☐	instance
MakeAllSelectable	<None>	public	☐	instance
DisplayDEM	<None>	public	☐	instance

Classification: modMain

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
GWL_HWNDPARENT	<unspecified>	public	1	(-8)
g_pApplication	VB::Object	public	1	
MODULE	VB::String	private	1	"modMain - "
m_strFolder	VB::String	private	1	"FOLDER"
m_strPersonalGDB	VB::String	private	1	"PERSONAL GEODATABASE"
CURRMULT	VB::Long	private	1	10000

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
TheFolderExists	VB::Boolean	public	☐	instance
EnableSpatialAnalyst	VB::Boolean	public	☐	instance
TimeToRun	VB::String	public	☐	instance
SplitFilePath	VB::Long	public	☐	instance
CenterTheForm	<None>	public	☐	instance
SetupProgressBar	<None>	public	☐	instance
FindComboBoxIndex	VB::Integer	public	☐	instance
DisableControls	<None>	public	☐	instance
MakeDirectory	<None>	public	☐	instance
RemoveDirectory	<None>	public	☐	instance
ParseFullName	<None>	public	☐	instance
Log10ABS	VB::Double	public	☐	instance
FlipCollection	External Classes::Collection	public	☐	instance
ValuesCollectionSort	External Classes::Collection	public	☐	instance
ReleaseCatalogLock	<None>	public	☐	instance
ExecuteMoveUp	<None>	private	☐	instance
UpdateStatusMain	<None>	public	☐	instance
UpdateStatusSecondary	<None>	public	☐	instance
MainStatusNumber	VB::Double	public	☐	instance
RemoveDuplicates	External Classes::Collection	public	☐	instance
ClearCollection	<None>	public	☐	instance
Round_AsymDown	VB::Double	public	☐	instance
Round_SymDown	VB::Double	public	☐	instance
Round_AsymUp	VB::Double	public	☐	instance
Round_SymUp	VB::Double	public	☐	instance
CalculateMemoryUsage	VB::String	public	☐	instance

Classification: modRaster

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strCurrentModule	VB::String	private	1	"modRaster - "

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
GetRasterDataset	esriGeoDatabase::IRasterDataset	public	☐	instance
OpenRasterDataset	esriGeoDatabase::IRasterDataset	public	☐	instance
SetRasterWorkspace	esriDataSourcesRaster::IRasterWorkspace	public	☐	instance
DeleteGrid	<None>	public	☐	instance
MakePermanent	<None>	public	☐	instance
GetCellSize	VB::Double	public	☐	instance
GetCellSizeFromRaster	VB::Double	public	☐	instance
GetCellSizeFromDisk	VB::Double	public	☐	instance
CreateRasterEnvironment	esriGeoAnalyst::IRasterAnalysisEnvironment	public	☐	instance
GetGridExtent	esriGeometry::IEnvelope	public	☐	instance
CountNegativesInRaster	VB::Long	public	☐	instance
ExtractionOpABS_Polygon	esriGeoDatabase::IRaster	public	☐	instance
ExtractionOpABS_NoMask	esriGeoDatabase::IRaster	public	☐	instance
MergeGridsTakeHighest	esriGeoDatabase::IRaster	public	☐	instance
MergeGridsTakePriority	esriGeoDatabase::IRaster	public	☐	instance
ConvertRasterToVector	<None>	public	☐	instance
CellValue	VB::Double	public	☐	instance

Classification: modSpatialRef

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strCurrentModule	VB::String	private	1	"modSpatialRef - "

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
UTMProjection	esriGeometry::ISpatialReference	public	☐	instance
UTMProjectionWithPrecision	esriGeometry::ISpatialReference	public	☐	instance
GetSPRefofShapefile	esriGeometry::ISpatialReference	public	☐	instance
GeographicProjection	esriGeometry::ISpatialReference	public	☐	instance
AlbersProjection	esriGeometry::ISpatialReference	public	☐	instance
VermontSPCS	esriGeometry::ISpatialReference	public	☐	instance
GetFocusMapProjection	esriGeometry::ISpatialReference	public	☐	instance
SetFocusMapProjection	<None>	public	☐	instance
FeetPerUnit	VB::Double	public	☐	instance
MetersPerUnit	VB::Double	public	☐	instance
GetHorizontalUnits	VB::String	public	☐	instance
ProjectRaster	esriGeoDatabase::IRaster	public	☐	instance
GetRowColGivenCell	<None>	private	☐	instance
ArcSecInMeters	VB::Double	public	☐	instance
AreSPRefsTheSame	VB::Boolean	public	☐	instance
CreateUnknownSpatialRef	esriGeometry::ISpatialReference	public	☐	instance
GetRasterProjectionWithPrecision	esriGeometry::ISpatialReference	public	☐	instance
GeometryToFeatureClassSPREF	esriGeoDatabase::IFeatureClass	public	☐	instance
CloneSpatialRef	esriGeometry::ISpatialReference	public	☐	instance
ReturnPrecision	VB::Double	public	☐	instance
ReturnTolerance	VB::Double	public	☐	instance

Classification: modflAnAddGrid

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_riverineDepthPath	VB::String	private	1	
m_RiverinePath	VB::String	private	1	
m_CoastalPath	VB::String	private	1	
m_selectedReturnPeriod	External Classes::Variant	private	1	
m_StudycasePath	VB::String	private	1	
m_CoastalDepthPath	VB::String	private	1	
m_fldgrdName	VB::String	private	1	
m_HazType	VB::Long	private	1	
m_MixDepth	VB::Boolean	private	1	
m_sRivBoundNm	VB::String	private	1	
m_sCoastBoundNm	VB::String	private	1	
TITLE	VB::String	private	1	"Add Grid to Map"
m_Caseout	VB::String	private	1	"CaseOutput"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
InitAddMap	<None>	public	☐	instance
ValidWorkSpace	VB::Boolean	private	☐	instance
ValidReturnPeriod	VB::Boolean	private	☐	instance
ValidHazType	VB::Boolean	private	☐	instance
AddDepthGrid	VB::Boolean	private	☐	instance

Classification: CErrorManager

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_bstrDescription	<unspecified>	public	1	
m_bstrSource	<unspecified>	public	1	
m_hr	<unspecified>	public	1	
m_iid	<unspecified>	public	1	
m_pErrInfo	<unspecified>	public	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CErrorManager	<None>	public	☐	instance
CErrorManager	<None>	public	☐	instance
CErrorManager	<None>	public	☐	instance
CErrorManager	<None>	public	☐	instance
ComError	<None>	public	☐	instance
Display	<None>	public	☐	instance
ForwardError	<None>	public	☐	instance
GetDescription	<None>	public	☐	instance
GetDescriptionFromHRESULT	<None>	public	☐	instance
GetError	<None>	public	☐	instance
GetErrorInfo	<None>	public	☐	instance
GetGUID	<None>	public	☐	instance
GetProgID	<None>	public	☐	instance
GetSource	<None>	public	☐	instance
SupportsErrorInfo	<None>	public	☐	classifier

Classification: CSE

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_context	<unspecified>	private	1	
m_er	<unspecified>	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CSE	<None>	private	☐	instance
GetDescription	<None>	public	☐	instance
MapSEtoCE	<None>	public	☐	classifier
TranslateSEtoCE	<None>	private	☐	classifier

Classification: ChzFlRegistry

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
GetAppName	<None>	public	☐	classifier
GetAutoRmPR	<None>	public	☐	classifier
GetCustomRegionBuffer	<None>	public	☐	classifier
GetDataPath1	<None>	public	☐	classifier
GetDataPath2	<None>	public	☐	classifier
GetDemoDataDir	<None>	public	☐	classifier
GetDtsPackageString	<None>	public	☐	classifier
GetDtsRecursionFlag	<None>	public	☐	classifier
GetFlAppName	<None>	protected	☐	classifier
GetFloodPathBin	<None>	public	☐	classifier
GetFloodPathData	<None>	public	☐	classifier
GetInstallPath	<None>	public	☐	classifier
GetProvider	<None>	public	☐	classifier
GetPwd	<None>	public	☐	classifier
GetServerName	<None>	public	☐	classifier
GetSrGeoDbAdoConnectionString	<None>	public	☐	classifier
GetSRInstallPath	<None>	public	☐	classifier
GetStudyCaseLast	<None>	public	☐	classifier
GetStudyRegionAdoConnectionString	<None>	public	☐	classifier
GetStudyRegionDescription	<None>	public	☐	classifier
GetStudyRegionLast	<None>	public	☐	classifier
GetStudyRegionName	<None>	public	☐	classifier
GetStudyRegionPath	<None>	public	☐	classifier
GetSysAdoConnectionString	<None>	public	☐	classifier
GetSysCatalog	<None>	public	☐	classifier
GetTemplateName	<None>	public	☐	classifier
GetUid	<None>	public	☐	classifier
GetVersion	<None>	public	☐	classifier
IncludeQuickLook	<None>	public	☐	classifier

Classification: ChzFlRegistry Operations (Continued)

IsDebugGBSMode	<None>	public	☐	classifier
IsDebugMode	<None>	public	☐	classifier
IsDemoAccess	<None>	public	☐	classifier
IsEqAALRun	<None>	public	☐	classifier
IsFlAALRun	<None>	public	☐	classifier
IsForceAWOn	<None>	public	☐	classifier
IsHuAALRun	<None>	public	☐	classifier
LeaveIntermediate	<None>	public	☐	classifier
ManufactureAdoConnectionString	<None>	public	☐	classifier
ManufactureStudyRegionAdoConnectionString	<None>	public	☐	classifier
PutStudyCaseLast	<None>	public	☐	classifier
PutStudyRegionDescription	<None>	public	☐	classifier
PutStudyRegionLast	<None>	public	☐	classifier
ReadRegHkLmHzByKey	<None>	protected	☐	classifier
ReadRegHkLmHzFlood	<None>	protected	☐	classifier
ReadRegHkLmHzGeneral	<None>	protected	☐	classifier
regkeyHazus	<None>	protected	☐	classifier
regkeyHzFlood	<None>	protected	☐	classifier
regkeyHzGeneral	<None>	protected	☐	classifier
SetAutoRmPR	<None>	public	☐	classifier
SetCustomRegionBuffer	<None>	public	☐	classifier
SetDtsRecursionFlag	<None>	public	☐	classifier
SetEqAALRun	<None>	public	☐	classifier
SetFlAALRun	<None>	public	☐	classifier
SetHuAALRun	<None>	public	☐	classifier
UseDemoDsn	<None>	public	☐	classifier
WriteRegHkLmHzByKey	<None>	protected	☐	classifier

Classification: CCommonFunctions

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_AdoDataConnectionString	<unspecified>	protected	1	
m_AdoSysConnectionString	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
GetHyperField	<None>	public	☐	instance
GetLongField	<None>	public	☐	instance
GetStringField	<None>	public	☐	instance
QueryWordTrim	<None>	public	☐	instance
QueryWordUpper	<None>	public	☐	instance

Classification: ChzFlLayoutItem

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_Control	<unspecified>	protected	1	
m_LayoutName	<unspecified>	protected	1	
m_Property	<unspecified>	protected	1	
m_Value	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlLayoutItem	<None>	public	☐	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Control	<None>	public	☑	instance
get_LayoutName	<None>	public	☑	instance
get_Property	<None>	public	☑	instance
get_Value	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
put_Control	<None>	public	☑	instance
put_LayoutName	<None>	public	☑	instance
put_Property	<None>	public	☑	instance
put_Value	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlLayoutItems

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_BaseList	<unspecified>	protected	1	
m_ConnectionString	<unspecified>	protected	1	
m_ItemList	<unspecified>	protected	1	
m_ItemListDisp	<unspecified>	protected	1	
m_LayoutName	<unspecified>	protected	1	
m_pConnection	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlLayoutItems	<None>	public	☐	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get__NewEnum	<None>	public	☑	instance
get_Count	<None>	public	☑	instance
get_Item	<None>	public	☑	instance
GetEnum	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
LoadLayout	<None>	public	☑	instance
LoadReport	<None>	public	☑	instance
LoadReportNames	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
QueryTableFromSql	<None>	protected	☐	instance
Release	<None>	public	☑	instance
SetupLayoutSqlString	<None>	protected	☐	instance
UpdateRegistry	<None>	public	☐	classifier
VBTest	<None>	public	☑	instance

Classification: ChzFlStudyRegionTractList

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_ConnectionString	<unspecified>	protected	1	
m_pConnection	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlStudyRegionTractList	<None>	public	☐	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_StudyRegionDescription	<None>	public	☑	instance
get_TractListWhereClause	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzflControlItem

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_Argument	<unspecified>	protected	1	
m_Caption	<unspecified>	protected	1	
m_EnableRuleId	<unspecified>	protected	1	
m_Group	<unspecified>	protected	1	
m_Guid	<unspecified>	protected	1	
m_MenuAction	<unspecified>	protected	1	
m_MenuId	<unspecified>	protected	1	
m_ParentMenuId	<unspecified>	protected	1	
m_Position	<unspecified>	protected	1	
m_StatusMessage	<unspecified>	protected	1	
m_SubType	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzflControlItem	<None>	public	☐	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Argument	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_EnableRuleId	<None>	public	☑	instance
get_EnableRuleNId	<None>	public	☑	instance
get_Group	<None>	public	☑	instance
get_Guid	<None>	public	☑	instance
get_MenuAction	<None>	public	☑	instance
get_MenuId	<None>	public	☑	instance
get_ParentMenuId	<None>	public	☑	instance
get_Position	<None>	public	☑	instance
get_StatusMessage	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
put_Argument	<None>	public	☑	instance
put_Caption	<None>	public	☑	instance
put_EnableRuleId	<None>	public	☑	instance
put_EnableRuleNId	<None>	public	☑	instance
put_Group	<None>	public	☑	instance
put_Guid	<None>	public	☑	instance
put_MenuAction	<None>	public	☑	instance
put_MenuId	<None>	public	☑	instance
put_ParentMenuId	<None>	public	☑	instance
put_Position	<None>	public	☑	instance
put_StatusMessage	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzflControlItems

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_ConnectionString	<unspecified>	protected	1	
m_ItemList	<unspecified>	protected	1	
m_ItemListDisp	<unspecified>	protected	1	
m_pConnection	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzflControlItems	<None>	public	☐	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get__NewEnum	<None>	public	☑	instance
get_Count	<None>	public	☑	instance
get_Item	<None>	public	☑	instance
GetEnum	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
LoadItems	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier
VBTest	<None>	public	☑	instance

Classification: Utility

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
_Module	<unspecified>	public	1	
gCommonFunctions	<unspecified>	public	1	
CLSID_hzflControlItem	<unspecified>	public	1	
CLSID_hzflControlItems	<unspecified>	public	1	
CLSID_hzFlDataManager	<unspecified>	public	1	
CLSID_hzFlLayoutItem	<unspecified>	public	1	
CLSID_hzFlLayoutItems	<unspecified>	public	1	
CLSID_hzFlStudyRegionTractList	<unspecified>	public	1	
IID_IEnumControlItems	<unspecified>	public	1	
IID_IEnumLayoutItems	<unspecified>	public	1	
IID_IhzflControlItem	<unspecified>	public	1	
IID_IhzflControlItems	<unspecified>	public	1	
IID_IhzFlDataManager	<unspecified>	public	1	
IID_IhzFlLayoutItem	<unspecified>	public	1	
IID_IhzFlLayoutItems	<unspecified>	public	1	
IID_IhzFlStudyRegionTractList	<unspecified>	public	1	
LIBID_HZFLDACORELib	<unspecified>	public	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
DllCanUnloadNow	<None>	public	☐	instance
DllGetClassObject	<None>	public	☐	instance
DllMain	<None>	public	☐	instance
DllRegisterServer	<None>	public	☐	instance
DllUnregisterServer	<None>	public	☐	instance
TESTHR	<None>	public	☐	instance

4.2.7 (hzFlAgriImport) Library

Classification: clsAnAgriImport

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Terminate	<None>	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance

Classification: hzFlAgriImportlauncher

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
EntryPoint	<None>	public	☐	instance
Class_Initialize	<None>	private	☐	instance
Class_Terminate	<None>	private	☐	instance

Classification: modAnAgriImport

Attributes:

Attribute	Type	Visibility	ultiplicit	Init. Value
REG_HAZUS_ROOT	VB::String	private	1	"HKLM\Software\FEMA\HAZUS-MH\"
m_strDataPath1	VB::String	private	1	
m_strRegionsPath	VB::String	private	1	
m_ConnStr	VB::String	private	1	
m_strCurrentRegion	VB::String	private	1	
m_sCatg	VB::String	private	1	"Agriculture Data Import"
m_AgDB	VB::String	private	1	"flAG"
m_AgFCName	VB::String	private	1	"flAgMap"
m_BoundFCName	VB::String	private	1	"hzBoundary"
m_IsErr	VB::Boolean	public	1	
ADOCon	ADODB::Connection	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ImportAgricultureData	<None>	public	☐	instance
ReadGenRegEntry	VB::String	private	☐	instance
RSstateNMfromMSDE	ADODB::Recordset	private	☐	instance
CopyDataGDB	VB::Boolean	private	☐	instance
CreateAgriGDB	VB::Boolean	private	☐	instance
AnalyseFeatureClass	VB::Boolean	private	☐	instance
CompareSpatialReference	VB::Boolean	private	☐	instance
ChangeSpatialReference	VB::Boolean	private	☐	instance
IsExistsFClass	VB::Boolean	private	☐	instance
RecordLoadingErr	<None>	private	☐	instance
DefaultIndexGrid	VB::Double	private	☐	instance
Min	External Classes::Variant	private	☐	instance
Max	External Classes::Variant	private	☐	instance
DefaultIndexGridPoint	VB::Double	private	☐	instance
ClipPolygons	VB::Boolean	private	☐	instance
RenameFinalFClass	VB::Boolean	private	☐	instance
IsValidAgriData	VB::Boolean	private	☐	instance
MergeAgriPolygons	VB::Boolean	private	☐	instance
CopyDataSQL	VB::Boolean	private	☐	instance

4.2.8 (hzFlAddAgriTheme) Library

Classification: CAddAgriCommand

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_app	esriFramework::IApplication	private	1	
m_selectedReturnPeriod	VB::String	private	1	"100"
m_master	hzFlAnWorkFlow::ChzFlMasterPaths	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Terminate	<None>	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance

Classification: ChzFlAnAddAgriTheme

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_papp	esriFramework::IApplication	private	1	
m_ReturnPeriod	VB::String	private	1	
m_StudycasePath	VB::String	private	1	
m_selectedReturnPeriod	External Classes::Variant	private	1	
m_riverineDepthPath	VB::String	private	1	
m_masterpaths	hzFlAnWorkFlow::ChzFlMasterPaths	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
set_masterpaths	<None>	public	☐	instance
let_SelectedRPD	<None>	public	☐	instance
EntryPoint	<None>	public	☐	instance
Class_Initialize	<None>	private	☐	instance

Classification: modflAnAddAgri

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_riverineDepthPath	VB::String	private	1	
m_selectedReturnPeriod	External Classes::Variant	private	1	
m_StudycasePath	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_sSource	VB::String	private	1	"hzflAddAgriTheme"
m_AgriDB	VB::String	private	1	"flAg"
m_AgriFC	VB::String	private	1	"flAgMap"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
InitAddMap	<None>	public	☐	instance
ValidWorkSpace	VB::Boolean	private	☐	instance
ValidReturnPeriod	VB::Boolean	private	☐	instance

4.2.9 Stream Network (hzFlAnNetwork) Library

Classification: hzFlAnNetworkLauncher

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_strDatapath	VB::String	private	1	
m_strDEMName	VB::String	private	1	
m_strDEMPath	VB::String	private	1	
m_dblDrainageArea	VB::Double	private	1	
m_strHydroPath	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_MasterPaths	hzFlAnWorkFlow::ChzFlMasterPaths	private	1	
m_HazardVariables	hzFlAnWorkFlow::CHazardVariables	private	1	
m_strHydro	VB::String	private	1	"Hydro"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
let_Datapath	<None>	public	☐	instance
let_DemName	<None>	public	☐	instance
let_DemPath	<None>	public	☐	instance
let_DrainageArea	<None>	public	☐	instance
let_RegionPath	<None>	public	☐	instance
get_Succeeded	VB::Boolean	public	☐	instance
set_MasterPaths	<None>	public	☐	instance
set_HazardVariables	<None>	public	☐	instance
Class_Initialize	<None>	private	☐	instance
EntryPoint	<None>	public	☐	instance
Class_Terminate	<None>	private	☐	instance

Classification: modDefineNetwork

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_dblDrngArea	VB::Double	private	1	
m_strDEMName	VB::String	private	1	
m_strHydroPath	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_strRiverinePath	VB::String	private	1	
m_strDEMPath	VB::String	private	1	
m_strDatapath	VB::String	private	1	
m_blnCancel	VB::Boolean	private	1	
MODULE	VB::String	private	1	"modDefineNetwork - "
STATUSMAIN	VB::String	private	1	"Building stream network"
m_collGridCode	External Classes::Collection	private	1	
REACH_BUFFER	VB::Double	private	1	500#
MIN_DRAINAGE_AREA	VB::Double	private	1	0.25
DIR_RIVERINE	VB::String	private	1	"Riverine"
DIR_HYDRO	VB::String	private	1	"Hydro"
DIR_HYDRAULICS	VB::String	private	1	"Hydraulics"
MDB_RIVOUTPUT	VB::String	private	1	"FlAnRivOutput"
MDB_RIVINPUT	VB::String	private	1	"FlAnRivInput"
MDB_REGBND	VB::String	private	1	"RegionBndry"
DSN_NATION	VB::String	private	1	"Nation"
DSN_REGION	VB::String	private	1	"Region"
FC_BASINNET	VB::String	private	1	"basinnet"
FC_REGBNDRY	VB::String	private	1	"hzboundary"
FC_WATERSHEDS	VB::String	private	1	"watersheds"
FC_ALLSHEDS	VB::String	private	1	"AllSheds"
FC_COVER	VB::String	private	1	"Cover"
FC_DFLTRCH	VB::String	private	1	"DfltRch"
FC_REDSHD	VB::String	private	1	"Redshd"
FC_NETWORK	VB::String	private	1	"Network"
FC_REACHES	VB::String	private	1	"Reaches"
FC_REQDEMPOLY	VB::String	private	1	"ReqDEMPolygon"
TAB_QFREQ	VB::String	private	1	"Qfreq"
RAS_FILLDEM	VB::String	private	1	"FillDEM"
RAS_FLOWDIR	VB::String	private	1	"FlowDir"
RAS_FLOWACC	VB::String	private	1	"FlowAcc"
RAS_FLOWLEN	VB::String	private	1	"FlowLength"
RAS_WATERSHED	VB::String	private	1	"Watershed"
m_strStreamLinks	VB::String	private	1	"Links"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
InitializeNetwork	VB::Boolean	public	☐	instance
DefineNetwork	<None>	private	☐	instance
RestoreGUI	<None>	private	☐	instance
OpenInputDatasets	<None>	private	☐	instance
CollectUnionSheds	<None>	private	☐	instance
IntersectShdFClass	<None>	private	☐	instance
SetupIntersectShdFields	esriGeoDatabase::IFields	private	☐	instance
ReachFClass	<None>	private	☐	instance
SetupDfltRchFields	esriGeoDatabase::IFields	private	☐	instance
OpenFlowGrids	<None>	private	☐	instance
FillPits	<None>	private	☐	instance
ThresholdNetwork	<None>	private	☐	instance
ClipNetwork	<None>	private	☐	instance

4.2.10 Hydrology (hzFlAnHydrology) Library

Classification: clsReachIdentify

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
StartAndTestProject	<None>	public	☐	instance

Classification: clsRegressionInfo

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strDemName	VB::String	private	1	
m_strDemPath	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_strRiverinePath	VB::String	private	1	
m_strStudyCasePath	VB::String	private	1	
m_strVerticalUnits	VB::String	private	1	
m_strDatapath	VB::String	private	1	
m_strSCaseOutFDataSet	VB::String	private	1	
m_strOPRchDatabase	VB::String	private	1	
m_strOutMDBName	VB::String	private	1	
m_strInMDBName	VB::String	private	1	
m_strDefaultDBName	VB::String	private	1	
m_strNetName	VB::String	private	1	
m_strChsnDfltRch	VB::String	private	1	
m_strCover	VB::String	private	1	
m_strShdCover	VB::String	private	1	
m_strReachShdCover	VB::String	private	1	
m_strNetwrkName	VB::String	private	1	
m_strRchNetwrkName	VB::String	private	1	
m_strFlDir	VB::String	private	1	
m_strFlAcc	VB::String	private	1	
m_strFlowLength	VB::String	private	1	
m_strUseChsnRchs	VB::String	private	1	
m_strUSQfreqTab	VB::String	private	1	
m_strQfreqTab	VB::String	private	1	
m_strChsnWshdGrid	VB::String	private	1	
m_strSMWtrshds	VB::String	private	1	
m_strChosenWaterShd	VB::String	private	1	
m_strSrcPts	VB::String	private	1	
m_strSrcShdGrid	VB::String	private	1	
m_strSrcShdPG	VB::String	private	1	
m_strGages	VB::String	private	1	
m_strNodesFName	VB::String	private	1	
m_strDfltHydroReg	VB::String	private	1	
m_strLinks	VB::String	private	1	
m_strFLIDFld	VB::String	private	1	
m_strPointFld	VB::String	private	1	
m_strRchRecFld	VB::String	private	1	
m_strlocFld	VB::String	private	1	
m_strAreaFld	VB::String	private	1	
m_strBsnElFld	VB::String	private	1	
m_strBsnSlpFld	VB::String	private	1	
m_strBsnLgthFld	VB::String	private	1	
m_strchLFld	VB::String	private	1	
m_stre85Fld	VB::String	private	1	
m_stre10Fld	VB::String	private	1	
m_iDnGeom	VB::Integer	private	1	
m_iDnShdName	VB::Integer	private	1	
m_iUpGeom	VB::Integer	private	1	
m_iUpShdName	VB::Integer	private	1	
m_strRegID	VB::String	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
get_strDEMPath	VB::String	public	☐	instance
let_strDEMPath	<None>	public	☐	instance
get_strDataPath	VB::String	public	☐	instance
let_strDataPath	<None>	public	☐	instance
get_strRiverinePath	VB::String	public	☐	instance
let_strRiverinePath	<None>	public	☐	instance
get_strRegionPath	VB::String	public	☐	instance
let_strRegionPath	<None>	public	☐	instance
get_strStudyCasePath	VB::String	public	☐	instance
let_strStudyCasePath	<None>	public	☐	instance
get_strVerticalUnits	VB::String	public	☐	instance
let_strVerticalUnits	<None>	public	☐	instance
get_strDEMName	VB::String	public	☐	instance
let_strDEMName	<None>	public	☐	instance
get_strSCaseOutFDataSet	VB::String	public	☐	instance
let_strSCaseOutFDataSet	<None>	public	☐	instance
get_strOPRchDatabase	VB::String	public	☐	instance
let_strOPRchDatabase	<None>	public	☐	instance
get_strOutMDBName	VB::String	public	☐	instance
let_strOutMDBName	<None>	public	☐	instance
get_strDefaultDBName	VB::String	public	☐	instance
let_strDefaultDBName	<None>	public	☐	instance
get_strInMDBName	VB::String	public	☐	instance
let_strInMDBName	<None>	public	☐	instance
get_strNetName	VB::String	public	☐	instance
let_strNetName	<None>	public	☐	instance
get_strChsnDfltRch	VB::String	public	☐	instance
let_strChsnDfltRch	<None>	public	☐	instance
get_strCover	VB::String	public	☐	instance
let_strCover	<None>	public	☐	instance
get_strReachShdCover	VB::String	public	☐	instance
let_strReachShdCover	<None>	public	☐	instance
get_strShdCover	VB::String	public	☐	instance
let_strShdCover	<None>	public	☐	instance
get_strNetwrkName	VB::String	public	☐	instance
let_strNetwrkName	<None>	public	☐	instance
get_strRchNetwrkName	VB::String	public	☐	instance
let_strRchNetwrkName	<None>	public	☐	instance
get_strFlDir	VB::String	public	☐	instance
let_strFlDir	<None>	public	☐	instance
get_strFlAcc	VB::String	public	☐	instance
let_strFlAcc	<None>	public	☐	instance
get_strFlowLength	VB::String	public	☐	instance
let_strFlowLength	<None>	public	☐	instance
get_strUseChsnRchs	VB::String	public	☐	instance
let_strUseChsnRchs	<None>	public	☐	instance
get_strNodesFName	VB::String	public	☐	instance
let_strNodesFName	<None>	public	☐	instance

Classification: clsRegressionInfo Operations (Continued)

get_strQfreqTab	VB::String	public	☐	instance
let_strQfreqTab	<None>	public	☐	instance
get_strChsnWshdGrid	VB::String	public	☐	instance
let_strChsnWshdGrid	<None>	public	☐	instance
get_strSMWtrshds	VB::String	public	☐	instance
let_strSMWtrshds	<None>	public	☐	instance
get_strChosenWaterShd	VB::String	public	☐	instance
let_strChosenWaterShd	<None>	public	☐	instance
get_strSrcPts	VB::String	public	☐	instance
let_strSrcPts	<None>	public	☐	instance
get_strSrcShdGrid	VB::String	public	☐	instance
let_strSrcShdGrid	<None>	public	☐	instance
get_strSrcShdPG	VB::String	public	☐	instance
let_strSrcShdPG	<None>	public	☐	instance
get_strGages	VB::String	public	☐	instance
let_strGages	<None>	public	☐	instance
get_strDfltHydroReg	VB::String	public	☐	instance
let_strDfltHydroReg	<None>	public	☐	instance
get_strFLIDFld	VB::String	public	☐	instance
let_strFLIDFld	<None>	public	☐	instance
get_strRchRecFld	VB::String	public	☐	instance
let_strRchRecFld	<None>	public	☐	instance
get_strlocFld	VB::String	public	☐	instance
let_strlocFld	<None>	public	☐	instance
get_strPointFld	VB::String	public	☐	instance
let_strPointFld	<None>	public	☐	instance
get_strAreaFld	VB::String	public	☐	instance
let_strAreaFld	<None>	public	☐	instance
get_strBsnElFld	VB::String	public	☐	instance
let_strBsnElFld	<None>	public	☐	instance
get_strBsnSlpFld	VB::String	public	☐	instance
let_strBsnSlpFld	<None>	public	☐	instance
get_strBsnLgthFld	VB::String	public	☐	instance
let_strBsnLgthFld	<None>	public	☐	instance
get_strchLFld	VB::String	public	☐	instance
let_strchLFld	<None>	public	☐	instance
get_stre85Fld	VB::String	public	☐	instance
let_stre85Fld	<None>	public	☐	instance
get_stre10Fld	VB::String	public	☐	instance
let_stre10Fld	<None>	public	☐	instance
get_strRegID	VB::String	public	☐	instance
let_strRegID	<None>	public	☐	instance
get_iDnGeom	VB::Integer	public	☐	instance
let_iDnGeom	<None>	public	☐	instance
get_iDnShdName	VB::Integer	public	☐	instance
let_iDnShdName	<None>	public	☐	instance
get_iUpGeom	VB::Integer	public	☐	instance
let_iUpGeom	<None>	public	☐	instance

Classification: hzFlAnFlowRegLauncher

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_MasterPaths	hzFlAnWorkFlow::ChzFlMasterPaths	private	1	
m_HazardVariables	hzFlAnWorkFlow::CHazardVariables	private	1	
m_strDatapath	VB::String	private	1	
m_strDemName	VB::String	private	1	
m_strDemPath	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_strStudyCasePath	VB::String	private	1	
m_strVerticalUnits	VB::String	private	1	
m_lngFlowRegFLID	VB::Long	private	1	
m_lngReturnPeriod	VB::Long	private	1	
m_dblDischarge	VB::Double	private	1	
m_strFlowRegPath	VB::String	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
set_AppName	<None>	public	☐	instance
set_MasterPaths	<None>	public	☐	instance
set_HazardVariables	<None>	public	☐	instance
let_DataPath	<None>	public	☐	instance
let_FlowRegFLID	<None>	public	☐	instance
let_ReturnPeriod	<None>	public	☐	instance
let_DischargeValue	<None>	public	☐	instance
let_DEMName	<None>	public	☐	instance
let_FlowRegPath	<None>	public	☐	instance
let_DEMPath	<None>	public	☐	instance
let_RegionPath	<None>	public	☐	instance
let_StudyCasePath	<None>	public	☐	instance
let_VerticalUnits	<None>	public	☐	instance
get_ProcessSucceeded	VB::Boolean	public	☐	instance
let_ProcessSucceeded	<None>	public	☐	instance
EntryPoint	<None>	public	☐	instance
FlowRegLaunchEntry	<None>	public	☐	instance
Class_Initialize	<None>	private	☐	instance

Classification: hzFlAnReachLauncher

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_MasterPaths	hzFlAnWorkFlow::ChzFlMasterPaths	private	1	
m_HazardVariables	hzFlAnWorkFlow::CHazardVariables	private	1	
m_lngSCID	VB::Long	private	1	
m_strDatapath	VB::String	private	1	
m_strDemName	VB::String	private	1	
m_strDemPath	VB::String	private	1	
m_strHydroPath	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_strSCRivPath	VB::String	private	1	
MODULE	VB::String	private	1	"hzFlAnReachLauncher - "
FC_CHOSENREACHES	VB::String	private	1	"ChosenReaches"
MDB_CASEOUTPUT	VB::String	private	1	"CaseOutput"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
let_DataPath	<None>	public	☐	instance
let_DEMName	<None>	public	☐	instance
let_DEMPath	<None>	public	☐	instance
let_RegionPath	<None>	public	☐	instance
let_StudyCasePath	<None>	public	☐	instance
let_VerticalUnits	<None>	public	☐	instance
get_ProcessSucceeded	VB::Boolean	public	☐	instance
set_MasterPaths	<None>	public	☐	instance
set_HazardVariables	<None>	public	☐	instance
Class_Initialize	<None>	private	☐	instance
EntryPoint	<None>	public	☐	instance
ChosenReachesExist	VB::Boolean	private	☐	instance

Classification: modAvenueProcessing

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
avLatAsRadians	VB::Double	public	☐	instance
avGetIntersects	VB::Boolean	public	☐	instance
avPolygonAsPolyline	esriGeometry::IGeometry	public	☐	instance
avReturnDifference	esriGeometry::IGeometry	public	☐	instance
avGetContains	VB::Boolean	public	☐	instance
avReturnArea	VB::Double	public	☐	instance
avCheckBeforeAfterUnion	esriGeometry::IPolygon	public	☐	instance

Classification: modBsnChrX

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
MODULE	VB::String	private	1	"modBsnChrX - "
CF	VB::String	private	1	"cf"
FRP	VB::String	private	1	"frp"
GEOFACT	VB::String	private	1	"geofact"
HEL	VB::String	private	1	"hel"
HERBUPLAND	VB::String	private	1	"herbupland"
I224	VB::String	private	1	"i224"
I1024	VB::String	private	1	"i1024"
I2524	VB::String	private	1	"i2524"
I5024	VB::String	private	1	"i5024"
I10024	VB::String	private	1	"i10024"
IMPERV	VB::String	private	1	"imperv"
JANTEMP	VB::String	private	1	"jantemp"
MARTEMP	VB::String	private	1	"martemp"
MEANANNPREC	VB::String	private	1	"maprec"
MEANANNEVAP	VB::String	private	1	"meanannevap"
MEANJANPREC	VB::String	private	1	"meanjanprec"
MEANMARPREC	VB::String	private	1	"meanmarprec"
MEANANNRUNOFF	VB::String	private	1	"marunoff"
RCN	VB::String	private	1	"rcn"
SNOW	VB::String	private	1	"snow"
SOILA	VB::String	private	1	"soila"
SOILD	VB::String	private	1	"soild"
SOILINDEX	VB::String	private	1	"soilindex"
SOILSLOPE	VB::String	private	1	"soilslope"
STORNHD	VB::String	private	1	"stornhd"
U	VB::String	private	1	"u"
W	VB::String	private	1	"w"
NORTHFACING	VB::String	private	1	"Northfacing"
SLOPE30	VB::String	private	1	"Slope30"
AWC	VB::String	private	1	"awc"
CARBONATE	VB::String	private	1	"carbonate"
CL	VB::String	private	1	"cl"
CTGRV	VB::String	private	1	"ctgrv"
DR	VB::String	private	1	"dr"
FEM	VB::String	private	1	"fem"
LAKES	VB::String	private	1	"lakes"
MTL	VB::String	private	1	"mtl"
MUCK	VB::String	private	1	"muck"
OUTWSH	VB::String	private	1	"outwsh"

Classification: modBsnChrX Attributes (Continued)

POPDEN_LL	VB::String	private	1	"popden_ll"
RC	VB::String	private	1	"rc"
SOILPERM	VB::String	private	1	"soilperm"
STRDFT	VB::String	private	1	"strdft"
STRP_LL	VB::String	private	1	"strp_ll"
TR	VB::String	private	1	"tr"
DFREQ	VB::String	private	1	"DFreq"
SDENSITY	VB::String	private	1	"SDensity"
BRELIEF	VB::String	private	1	"BRelief"
RRELIEF	VB::String	private	1	"RRelief"
SHPFACT	VB::String	private	1	"ShpFact"
COMPACT	VB::String	private	1	"Compact"
BASINLAG	VB::String	private	1	"Basinlag"
OUTLETX	VB::String	private	1	"OutletX"
OUTLETY	VB::String	private	1	"OutletY"

Classification: modBsnChrX

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
BsnChar4	VB::Double	public	☐	instance
BsnChar5	VB::Double	public	☐	instance
BsnChar6	VB::Double	public	☐	instance
BsnChar7	VB::Double	public	☐	instance
BsnChar8	VB::Double	public	☐	instance
BsnChar9	VB::Double	public	☐	instance
BsnChar10	VB::Double	public	☐	instance
BsnChar11	VB::Double	public	☐	instance
BsnChar12	VB::Double	public	☐	instance
BsnChar13	VB::Double	public	☐	instance
BsnChar14	VB::Double	public	☐	instance
BsnChar15	VB::Double	public	☐	instance
BsnChar16	VB::Double	public	☐	instance
BsnChar17	VB::Double	public	☐	instance
BsnChar18	VB::Double	public	☐	instance
BsnChar19	VB::Double	public	☐	instance
BsnChar20	VB::Double	public	☐	instance
BsnChar21	VB::Double	public	☐	instance
BsnChar22	VB::Double	public	☐	instance
BsnChar23	VB::Double	public	☐	instance
BsnChar24	VB::Double	public	☐	instance
BsnChar25	VB::Double	public	☐	instance
BsnChar26	VB::Double	public	☐	instance
BsnChar27	VB::Double	public	☐	instance
BsnChar28	VB::Double	public	☐	instance
BsnChar29	VB::Double	public	☐	instance
BsnChar30	VB::Double	public	☐	instance
BsnChar31	VB::Double	public	☐	instance
BsnChar32	VB::Double	public	☐	instance
BsnChar33	VB::Double	public	☐	instance
BsnChar34	VB::Double	public	☐	instance
BsnChar35	VB::Double	public	☐	instance
BsnChar36	VB::Double	public	☐	instance
BsnChar37	VB::Double	public	☐	instance
BsnChar38	VB::Double	public	☐	instance
BsnChar39	VB::Double	public	☐	instance
BsnChar40	VB::Double	public	☐	instance
BsnChar41	VB::Double	public	☐	instance
BsnChar42	VB::Double	public	☐	instance
BsnChar43	VB::Double	public	☐	instance
BsnChar44	VB::Double	public	☐	instance
BsnChar45	VB::Double	public	☐	instance
BsnChar46	VB::Double	public	☐	instance
BsnChar47	VB::Double	public	☐	instance
BsnChar48	VB::Double	public	☐	instance
BsnChar49	VB::Double	public	☐	instance
BsnChar50	VB::Double	public	☐	instance
BsnChar51	VB::Double	public	☐	instance

Classification: modBsnChrX Operations (Continued)

BsnChar57	VB::Double	public	☐	instance
BsnChar58	VB::Double	public	☐	instance
BsnChar59	VB::Double	public	☐	instance
BsnChar60	VB::Double	public	☐	instance
BsnChar61	VB::Double	public	☐	instance
BsnChar62	VB::Double	public	☐	instance
BsnChar63	VB::Double	public	☐	instance
BsnChar64	VB::Double	public	☐	instance
BsnChar65	VB::Double	public	☐	instance
BsnChar66	VB::Double	public	☐	instance
BsnChar67	VB::Double	public	☐	instance
BsnChar68	VB::Double	public	☐	instance
BsnChar69	VB::Double	public	☐	instance
BsnChar70	VB::Double	public	☐	instance
BsnChar71	VB::Double	public	☐	instance
BsnChar72	VB::Double	public	☐	instance
BsnChar73	VB::Double	public	☐	instance
BsnChar74	VB::Double	public	☐	instance
BsnChar75	VB::Double	public	☐	instance
BsnChar76	VB::Double	public	☐	instance
BsnChar77	VB::Double	public	☐	instance
BsnChar78	VB::Double	public	☐	instance
BsnChar79	VB::Double	public	☐	instance
BsnChar80	VB::Double	public	☐	instance
BsnChar81	VB::Double	public	☐	instance
BsnChar82	VB::Double	public	☐	instance
BsnChar83	VB::Double	public	☐	instance
BsnChar84	VB::Double	public	☐	instance
BsnChar85	VB::Double	public	☐	instance
BsnChar86	VB::Double	public	☐	instance
BsnChar87	VB::Double	public	☐	instance
BsnChar88	VB::Double	public	☐	instance
BsnChar89	VB::Double	public	☐	instance
BsnChar90	VB::Double	public	☐	instance
BsnChar91	VB::Double	public	☐	instance
BsnChar92	VB::Double	public	☐	instance
BsnChar93	VB::Double	public	☐	instance
BsnChar94	VB::Double	public	☐	instance
BsnChar95	VB::Double	public	☐	instance
BsnChar96	VB::Double	public	☐	instance
BsnChar97	VB::Double	public	☐	instance
BsnChar98	VB::Double	public	☐	instance
BsnChar99	VB::Double	public	☐	instance
BsnChar100	VB::Double	public	☐	instance
BsnChar101	VB::Double	public	☐	instance
BsnChar102	VB::Double	public	☐	instance
BsnChar103	VB::Double	public	☐	instance

Classification: modBsnChrX Operations (Continued)

BsnChar104	VB::Double	public	☐	instance
BsnChar105	VB::Double	public	☐	instance
BsnChar106	VB::Double	public	☐	instance
BsnChar107	VB::Double	public	☐	instance
BsnChar108	VB::Double	public	☐	instance
BsnChar109	VB::Double	public	☐	instance
BsnChar110	VB::Double	public	☐	instance
BsnChar125	VB::Double	public	☐	instance
SIUnits	VB::Double	public	☐	instance
CountCells	VB::Long	private	☐	instance
ExtractGrid	esriGeoDatabase::IRaster	private	☐	instance
ComputeMean	VB::Double	private	☐	instance

Classification: modFeature

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
SetFeatureWorkspace	esriGeoDatabase::IFeatureWorkspace	public	☐	instance
RemoveFeatFromFeatClass	esriGeoDatabase::IFeatureClass	public	☐	instance
SaveBuffPolygon	<None>	public	☐	instance
SavePointAsFeatureClass	<None>	public	☐	instance
SaveShdPolygon	<None>	public	☐	instance
SaveReachShdPolygon	<None>	public	☐	instance

Classification: modFields

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
FindFeatureFieldByName	<None>	public	☐	instance
SetupAllThrshReachesFields	esriGeoDatabase::IFields	public	☐	instance
SetupAllGagesFields	esriGeoDatabase::IFields	public	☐	instance
SetupNavigateListFields	esriGeoDatabase::IFields	public	☐	instance
GetFldMakeForList	esriGeoDatabase::iField	public	☐	instance
GetFldEditForList	esriGeoDatabase::iField	public	☐	instance
SetupAllNewSrcPointsFields	esriGeoDatabase::IFields	public	☐	instance
SetupShdPolygonFields	esriGeoDatabase::IFields	public	☐	instance
AddFieldsForFldFrqTab	esriGeoDatabase::IFields	public	☐	instance
SetupPointFields	esriGeoDatabase::IFields	public	☐	instance
SetupLongPointFields	esriGeoDatabase::IFields	public	☐	instance

Classification: modFinalDrainageDict

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
IndDrAr	VB::Boolean	public	☐	instance
RchShdPGFromDrngAreaDict	esriGeometry::IGeometry	private	☐	instance
UpdateUpStrmIndDrAr	VB::Boolean	private	☐	instance
UpdateDrainageAreaDict	VB::Boolean	private	☐	instance

Classification: modFlowRegProcess

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strStatusMain	VB::String	private	1	
m_strDemName	VB::String	private	1	
m_strDemPath	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_strStudyCasePath	VB::String	private	1	
m_strDatapath	VB::String	private	1	
m_strVerticalUnits	VB::String	private	1	
m_strRiverinePath	VB::String	private	1	
m_lngFlowRegFLID	VB::Long	private	1	
m_lngReturnPeriod	VB::Long	private	1	
m_dblDischarge	VB::Double	private	1	
m_strFlowRegPath	VB::String	private	1	
MODULE	VB::String	private	1	"modFlowRegProcess - "
DIR_RIVERINE	VB::String	private	1	"Riverine"
REGION	VB::String	private	1	"Region"
HYDROLOGY	VB::String	private	1	"Hydrology"
MDB_CASEOUTPUT	VB::String	private	1	"CaseOutput"
MDB_RIVOUTPUT	VB::String	private	1	"FlAnRivOutput"
MDB_RIVINPUT	VB::String	private	1	"FlAnRivOutput"
FC_NETWORK	VB::String	private	1	"Network"
FC_RCHNETWORK	VB::String	private	1	"RchNetwork"
FC_SMWTRSHDS	VB::String	private	1	"SMWtrshds"
FC_USECHOSENREACHES	VB::String	private	1	"UseChosenReaches"
RAS_FLOWACC	VB::String	private	1	"FlowAcc"
RAS_FLOWDIR	VB::String	private	1	"FlowDir"
RAS_WATERSHED	VB::String	private	1	"Watershed"
RAS_CHSNWSHDGRID	VB::String	private	1	"chsnWshdGrid"
TAB_NOFLOWREGQ	VB::String	private	1	"noFlowRegQ"
TAB_QFREQ	VB::String	private	1	"Qfreq"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
BeginFlowRegReaches	<None>	public	☐	instance
ProcessListFlowRegFLID	VB::Boolean	private	☐	instance
CullAndNvgtFlowRegulation	VB::Boolean	public	☐	instance
CullFlowRegReaches	<None>	private	☐	instance
GetEffectedStems	External Classes::Collection	private	☐	instance
CopyQFreqAsNoFlowRegTab	<None>	private	☐	instance
CopyQFreqWithFlowRegPath	esriGeoDatabase::ITable	private	☐	instance
UpdateQFreqValues	VB::Boolean	private	☐	instance
WtrShdForFlowReg	esriGeoDatabase::IRasterDataset	private	☐	instance

Classification: modGages

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
MODULE	VB::String	private	1	"modGages - "
m_strConArea	VB::String	private	1	"CONAREA"
m_strCount	VB::String	private	1	"COUNT"
m_strGageNam	VB::String	private	1	"GAGENAM"
m_strGageNo	VB::String	private	1	"GAGENO"
m_strGrid_Code	VB::String	private	1	"Grid_Code"
m_strJoinGageRch	VB::String	private	1	"JoinGageRch"
m_strLat	VB::String	private	1	"LAT"
m_strLong_	VB::String	private	1	"LONG_"
m_strMean	VB::String	private	1	"MEAN"
m_strSkew	VB::String	private	1	"SKEW"
m_strStateNo	VB::String	private	1	"STATENO"
m_strStDev	VB::String	private	1	"STDEV"
m_strTotArea	VB::String	private	1	"TOTAREA"
m_strValue	VB::String	private	1	"VALUE"
m_strNoGageTableName	VB::String	private	1	"noGageQ"
m_strTotAreaFld	VB::String	private	1	"Totarea"
m_strMeanFld	VB::String	private	1	"Mean"
m_strStdDevFld	VB::String	private	1	"Stdev"
m_strSkewFld	VB::String	private	1	"Skew"
m_strKTabName	VB::String	private	1	"K_Tab"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
GagesFTab	esriGeometry::IGeometryCollection	public	☐	instance
ShowGagesPoint	<None>	private	☐	instance
DownShdPGFromDrngAreaDict	esriGeometry::IGeometry	private	☐	instance
GagesToRch	<None>	public	☐	instance
JoinGagesAndReach	esriGeoDatabase::IFeatureClass	private	☐	instance
GageRchAreas	<None>	private	☐	instance
UpdateDgArDictWithGages	VB::Boolean	private	☐	instance
UpdateUpDownDrngArea	VB::Boolean	private	☐	instance
GageAdjst	<None>	public	☐	instance
GageInterp	External Classes::Collection	private	☐	instance
GageRat	External Classes::Collection	private	☐	instance
QfromP	External Classes::Collection	public	☐	instance

Classification: modPopulateNodeTab

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strCurrentModule	VB::String	private	1	"modPopulateNodeTab - "
m_strLongPtFC	VB::String	private	1	"longPts"
m_strFLIDFld	VB::String	private	1	"FLID"
m_strRchRecFld	VB::String	private	1	"reachRec"
m_strlocFld	VB::String	private	1	"Up_or_Dn"
m_strAreaFld	VB::String	private	1	"Area"
m_strBsnElFld	VB::String	private	1	"Mean_Bsn_E"
m_strBsnSlpFld	VB::String	private	1	"Mean_Bsn_S"
m_strBsnLgthFld	VB::String	private	1	"Bsn_Length"
m_strchLFld	VB::String	private	1	"Chan_lngth"
m_stre85Fld	VB::String	private	1	"Elev_85"
m_stre10Fld	VB::String	private	1	"Elev_10"
m_strMask	VB::String	private	1	"Mask"
m_strSCaseOutFDataSet	VB::String	private	1	"Hydrology"
m_strWatershed	VB::String	private	1	"Watershed"
m_strUnionWatershed	VB::String	private	1	"UnionWatershed"
m_strShedMask	VB::String	private	1	"ShedMask"
m_strOutMDBName	VB::String	private	1	"FlAnRivOutput"
m_strCover	VB::String	private	1	"Cover"
m_strNorthFacing	VB::String	private	1	"Northfacing"
m_strCaseOutput	VB::String	private	1	"CaseOutput"
m_strSlope30	VB::String	private	1	"Slope30"
m_strDrainFreq	VB::String	private	1	"DFreq"
m_strStreamDensity	VB::String	private	1	"SDensity"
m_strBasinRelief	VB::String	private	1	"BRelief"
m_strRelativeRelief	VB::String	private	1	"RRelief"
m_strShapeFactor	VB::String	private	1	"ShpFact"
m_strCompactness	VB::String	private	1	"Compact"
m_strLagFactor	VB::String	private	1	"Basinlag"
m_strOutletX	VB::String	private	1	"OutletX"
m_strOutletY	VB::String	private	1	"OutletY"
m_iUpGeom	VB::Integer	private	1	5
m_iUpShdName	VB::Integer	private	1	6

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
LongPoints	External Classes::Collection	private	☐	instance
BuildSlopeGrid	VB::Boolean	public	☐	instance
NorthSlopes30Degrees	VB::Boolean	public	☐	instance
MakeNodesVTab	esriGeoDatabase::ITable	private	☐	instance
PopulateNodeTab	VB::Boolean	public	☐	instance
GetPointsForList	esriGeometry::IPoint	private	☐	instance
UpShdPGFromDrngAreaDict	esriGeometry::IGeometry	private	☐	instance
PolyInHydroRegion	VB::Boolean	public	☐	instance

Classification: modPreDrainageDict

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
g_dblMetersToFeet	VB::Double	public	1	3.2808
g_dblFeetToMeters	VB::Double	public	1	0.3048
m_strAllSheds	VB::String	private	1	"AllSheds"
m_strMask	VB::String	private	1	"Mask"
m_strSCaseOutFDataSet	VB::String	private	1	"Hydrology"
m_strOPRchDatabase	VB::String	private	1	"CaseOutput"
m_strWatershed	VB::String	private	1	"Watershed"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
DrnAreaDict	VB::Boolean	public	☐	instance
SameShd	<None>	private	☐	instance
ConvertRasterToPolygonFClass	esriGeoDatabase::IFeatureClass	private	☐	instance
InsertSourcePointInFClass	VB::Boolean	private	☐	instance

Classification: modProcLongestStream

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strCurrentModule	VB::String	private	1	"modProcLongestStream - "
m_strLongPts	VB::String	private	1	"longPts"
m_strShedMask	VB::String	private	1	"ShedMask"
m_strSCaseOutFDataSet	VB::String	private	1	"Hydrology"
m_strCaseOutput	VB::String	private	1	"CaseOutput"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
LongestStream	External Classes::Collection	public	☐	instance
ValidLongestStream	VB::Boolean	private	☐	instance

Classification: modProcSeqTopoParam

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strCurrentModule	VB::String	private	1	"modProcSeqTopoParam - "
m_strFLIDFld	VB::String	private	1	"FLID"
m_strRchRecFld	VB::String	private	1	"reachRec"
m_strlocFld	VB::String	private	1	"Up_or_Dn"
m_strAreaFld	VB::String	private	1	"Area"
m_strBsnElFld	VB::String	private	1	"Mean_Bsn_E"
m_strBsnSlpFld	VB::String	private	1	"Mean_Bsn_S"
m_strBsnLgthFld	VB::String	private	1	"Bsn_Length"
m_strchLFld	VB::String	private	1	"Chan_lngth"
m_stre85Fld	VB::String	private	1	"Elev_85"
m_stre10Fld	VB::String	private	1	"Elev_10"
m_iDnGeom	VB::Integer	private	1	1
m_iDnShdName	VB::Integer	private	1	2
m_iDnArea	VB::Integer	private	1	3
m_iDnDa	VB::Integer	private	1	4
m_iUpGeom	VB::Integer	private	1	5
m_iUpShdName	VB::Integer	private	1	6
m_iUpArea	VB::Integer	private	1	7
m_iUpDa	VB::Integer	private	1	8
m_strMask	VB::String	private	1	"Mask"
m_strSCaseOutFDataSet	VB::String	private	1	"Hydrology"
m_strShedMask	VB::String	private	1	"ShedMask"
m_strCaseOutput	VB::String	private	1	"CaseOutput"
m_strDrainFreq	VB::String	private	1	"DFreq"
m_strStreamDensity	VB::String	private	1	"SDensity"
m_strBasinRelief	VB::String	private	1	"BRelief"
m_strRelativeRelief	VB::String	private	1	"RRelief"
m_strShapeFactor	VB::String	private	1	"ShpFact"
m_strCompactness	VB::String	private	1	"Compact"
m_strARCID	VB::String	private	1	"ARCID"
m_strOutletX	VB::String	private	1	"OutletX"
m_strOutletY	VB::String	private	1	"OutletY"
m_strLagFactor	VB::String	private	1	"Basinlag"
m_dblPI	VB::Double	private	1	3.14159265

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
TopographicParameters	VB::Boolean	public	☐	instance
GetElevationValue	VB::Double	public	☐	instance
ShdPGUpDnFromDrngAreaDict	esriGeometry::IGeometry	private	☐	instance
MeanBasinElevation	VB::Double	private	☐	instance
MeanBasinSlope	VB::Double	private	☐	instance
DrainageFrequency	VB::Double	private	☐	instance
StreamDensity	VB::Double	private	☐	instance
ReliefCalcs	<None>	private	☐	instance
ShapeCalcs	<None>	private	☐	instance
BasinLagFactor	VB::Double	private	☐	instance
OutletCoords	<None>	private	☐	instance

Classification: modReaches

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
g_strErrorMessage	VB::String	public	1	
m_strDemName	VB::String	private	1	
m_strDemPath	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_strStudyCasePath	VB::String	private	1	
m_strDatapath	VB::String	private	1	
m_strVerticalUnits	VB::String	private	1	
m_strRiverinePath	VB::String	private	1	
m_strStatusMain	VB::String	private	1	
m_strRivFolderName	VB::String	private	1	"Riverine"
m_strOutFDatasetName	VB::String	private	1	"Region"
m_strSCaseOutFDataSet	VB::String	private	1	"Hydrology"
m_strInMDBName	VB::String	private	1	"FlAnRivInput"
m_strOutMDBName	VB::String	private	1	"FlAnRivOutput"
m_strCaseOutput	VB::String	private	1	"CaseOutput"
m_strChsnRchs	VB::String	private	1	"ChosenReaches"
m_strCover	VB::String	private	1	"Cover"
m_strDfltRch	VB::String	private	1	"DfltRch"
m_strNetwrkName	VB::String	private	1	"Network"
m_strReaches	VB::String	private	1	"Reaches"
m_strRedShd	VB::String	private	1	"Redshd"
m_strAllSheds	VB::String	private	1	"AllSheds"
m_strBuffCover	VB::String	private	1	"BuffCover"
m_strChosenDrainArea	VB::String	private	1	"ChosenDrainArea"
m_strRchFileName	VB::String	private	1	"ChosenThrshRch"
m_strGages	VB::String	private	1	"gages"
m_strJoinGageRch	VB::String	private	1	"joinGageRch"
m_strLongPts	VB::String	private	1	"longPts"
m_strMask	VB::String	private	1	"Mask"
m_strRchNetwrkName	VB::String	private	1	"RchNetwork"
m_strChsnDfltRch	VB::String	private	1	"ChsnDfltRch"
m_strShdCover	VB::String	private	1	"shdCover"
m_strSMWtrshds	VB::String	private	1	"SMWtrshds"
m_strSrcPts	VB::String	private	1	"srcPts"
m_strSrcShdPG	VB::String	private	1	"srcShdPG"
m_strUseChsnRchs	VB::String	private	1	"UseChosenReaches"
m_strFlAcc	VB::String	private	1	"FlowAcc"
m_strFlDir	VB::String	private	1	"FlowDir"
m_strFlowLength	VB::String	private	1	"FlowLength"
m_strWatershed	VB::String	private	1	"Watershed"
m_strChsnWshdGrid	VB::String	private	1	"chsnWshdGrid"
m_strSrcShdGrid	VB::String	private	1	"srcShdGrid"
m_strUSQfreqTab	VB::String	private	1	"USFreq"
m_strNoGageTableName	VB::String	private	1	"noGageQ"
m_strQfreqTab	VB::String	private	1	"Qfreq"
m_strNodesTab	VB::String	private	1	"Nodes"

Classification: modReaches Attributes (Continued)

m_strProcessTime	VB::String	private	1	
g_strOutputLayer	VB::String	public	1	
m_FileType	External Classes::intersectFileType	private	1	
m_blnIntersectSel	VB::Boolean	private	1	
m_strOverlaySel	VB::Boolean	private	1	
m_strOldRec	VB::String	private	1	"OldRec"
m_strGridCode	VB::String	private	1	"GridCode"
m_strFromNode	VB::String	private	1	"FromNode"
m_strToNode	VB::String	private	1	"ToNode"
m_strGrid_Code	VB::String	private	1	"GRID_CODE"
m_strFROM_NODE	VB::String	private	1	"FROM_NODE"
m_strTO_NODE	VB::String	private	1	"TO_NODE"
m_strFLID	VB::String	private	1	"FLID"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
GetListOfQfreqProcessed	VB::Boolean	private	☐	instance
InitializeReaches	<None>	public	☐	instance
RestoreGUI	<None>	public	☐	instance
CleanRasterCreatedByMemory	<None>	public	☐	instance
IdentifyReaches	VB::Boolean	public	☐	instance
CullAndNvgt	<None>	private	☐	instance
GetSourcePoints	esriGeometry::IGeometryCollection	private	☐	instance
GetMainStems	External Classes::Collection	public	☐	instance
ChsnWtrShd	<None>	private	☐	instance
ChosenRchSheds	esriGeoDatabase::IFeatureClass	private	☐	instance
GetRidList	External Classes::Collection	private	☐	instance
OutOfAreaSources	<None>	private	☐	instance
CullReaches	<None>	private	☐	instance
DuplicateGridCodes	<None>	private	☐	instance
GetFeetMeters	VB::Double	public	☐	instance
DoIntersectAndGetNew	esriGeoDatabase::IFeatureClass	private	☐	instance
SaveIntersectedPolygon	esriGeoDatabase::IFeatureClass	private	☐	instance
SetupIntersectedPolygonFields	esriGeoDatabase::IFields	private	☐	instance
RchNavigation	External Classes::Collection	public	☐	instance
StpListList	External Classes::Collection	private	☐	instance

Classification: modRegAnlsAddDfltReaches

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strOldRecFld	VB::String	private	1	"OldRec"
m_strGridCodeFld	VB::String	private	1	"Grid_Code"
m_strPointFld	VB::String	private	1	"Point"
m_strFLID	VB::String	private	1	"FLID"
m_strARCID	VB::String	private	1	"ARCID"
m_intDnArea	VB::Integer	private	1	3
m_intDnDa	VB::Integer	private	1	4
m_intUpArea	VB::Integer	private	1	7
m_intUpDa	VB::Integer	private	1	8

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
AddDfltRch	<None>	public	☐	instance
AdjustDAdict	External Classes::Collection	public	☐	instance
AssgnDfltRecs	External Classes::Collection	public	☐	instance
AppendQFreq	<None>	public	☐	instance
OpenTablesAndFClasses	VB::Boolean	private	☐	instance

Classification: modRegAnlsWithFldFrqTab

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
MODULE	VB::String	private	1	"modRegAnlsWithFldFrqTab - "
m_strRegionID	VB::String	private	1	"REGIONID"
m_bln2Year	VB::Boolean	private	1	
m_strCurrentQField	VB::String	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
FldFrqTab	<None>	public	☐	instance
FindHydroRegions	VB::Boolean	private	☐	instance
DrngPGUpDnFromDrngAreaDict	esriGeometry::IGeometry	private	☐	instance
GoForProcessQ	VB::Double	private	☐	instance
ProcessEachQ	VB::Double	private	☐	instance
GetBasinChar	VB::Double	private	☐	instance
QFieldLookup	VB::String	private	☐	instance
AZ13Lookup	VB::Double	private	☐	instance

Classification: modRegAnlsWithTopoInput

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
MODULE	VB::String	private	1	"modRegAnlsWithTopoInput - "
m_dblMaxQ500	VB::Double	private	1	3357307#
m_dblMaxQ200	VB::Double	private	1	3357307#
m_dblMaxQ100	VB::Double	private	1	3357307#
m_dblMaxQ50	VB::Double	private	1	2112166#
m_dblMaxQ25	VB::Double	private	1	1801447#
m_dblMaxQ10	VB::Double	private	1	1419253#
m_dblMaxQ5	VB::Double	private	1	1166030#
m_dblMaxQ2	VB::Double	private	1	864700#
m_dblSftyFactor	VB::Double	private	1	1.1
m_strARCID	VB::String	private	1	"ARCID"
m_strCaseOutput	VB::String	private	1	"CaseOutput"
m_strChsnRchs	VB::String	private	1	"ChosenReaches"
m_strFLID	VB::String	private	1	"FLID"
m_strGrid_Code	VB::String	private	1	"Grid_Code"
m_strlocFld	VB::String	private	1	"Up_or_Dn"
m_strProblemReaches	VB::String	private	1	"ProblemReaches"
m_strRchRecFld	VB::String	private	1	"reachRec"
m_strSCaseOutFDataSet	VB::String	private	1	"Hydrology"
m_strStatusMain	VB::String	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
InitiateRegAnalysis	VB::Boolean	public	☐	instance
ProcessBadReaches2	<None>	private	☐	instance
ValidateQs2	<None>	private	☐	instance
QFreqInterpolation	<None>	private	☐	instance
RegressionAnalysis	<None>	public	☐	instance
ProcessTopoParameters	VB::Boolean	public	☐	instance
TopoInput	VB::Boolean	public	☐	instance
OneUp	<None>	public	☐	instance

4.2.11 Hydraulics (hzFlAnHydraulics) Library

Classification: ModLevelOne

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
g_blnMainStem	VB::Boolean	public	1	
m_blnSucceeded	VB::Boolean	private	1	
m_blnFITOK	VB::Boolean	private	1	
m_strDepthGridOutPath	VB::String	private	1	
m_strWhatIf	VB::String	private	1	
m_strStatusMain	VB::String	private	1	
m_dblStatusMain	VB::Double	private	1	
m_dblStatusSecondary	VB::Double	private	1	
m_lngCurrentFeature	VB::Long	private	1	
m_lngTotalReaches	VB::Long	private	1	
m_lngTotalFeatures	VB::Long	private	1	
MetersToFeet	<unspecified>	public	1	3.2808
FeetToMeters	<unspecified>	public	1	0.3048
CELLSIZEFAC	VB::Double	private	1	1#
MODULE	VB::String	private	1	"modLevelOne - "
BNDRY_POLY_MIX	VB::String	private	1	"BoundaryPolyMix"
BNDRY_POLY_RP	VB::String	private	1	"BoundaryPolyRP"
COASTAL	VB::String	private	1	"Coastal"
CONVPG	VB::String	private	1	"ConvPG"
DSH	VB::String	private	1	"DSH"
FIT	VB::String	private	1	"FIT"
HYDROLOGY	VB::String	private	1	"Hydrology"
MIX	VB::String	private	1	"mix"
REACH	VB::String	private	1	"Reach"
REFELEV	VB::String	private	1	"RefElev"
RIVERINE	VB::String	private	1	"Riverine"
RPD	VB::String	private	1	"RPD"
STATUSPREFIX	VB::String	private	1	"Riverine hydraulics analysis"
WSEPTS	VB::String	private	1	"WSEPts"
XSECTS	VB::String	private	1	"Xsects"
ZONERP	VB::String	private	1	"ZoneRP"
DIR_DEPTH	VB::String	private	1	"Depth"
DIR_DEPTHGRID	VB::String	private	1	"DepthGrid"
DIR_HYDRAULICS	VB::String	private	1	"Hydraulics"
DIR_FLOWREG	VB::String	private	1	"FlowReg"
DIR_LEVEE	VB::String	private	1	"Levee"
DIR_REACHES	VB::String	private	1	"Reaches"
DIR_USERDATA	VB::String	private	1	"UserData"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
IterateReachFeatureClass	<None>	public	☐	instance
CopyPasteFITGrid	<None>	private	☐	instance
CopyPasteDepthGrid	<None>	private	☐	instance
ReturnPeriodInTable	VB::Boolean	private	☐	instance
DischargeFromReturnP	VB::Long	private	☐	instance
CoreOfHydraulics	<None>	private	☐	instance
CreateFloodBoundary	<None>	private	☐	instance
FinalizeGrids	<None>	private	☐	instance
FinalCenterlines	<None>	private	☐	instance
FinalDepthPolygon	<None>	private	☐	instance
MergeWithFITDepthGrid	esriGeoDatabase::IRaster	private	☐	instance
DeleteTempDatasets	<None>	private	☐	instance
AddToCenterlineFClass	<None>	private	☐	instance
AddToFailedReachesFClass	<None>	private	☐	instance
CreateHydrologyFeatureDataset	<None>	private	☐	instance
MergeDepthGrids	<None>	private	☐	instance
GetUiCoExtensionController	External Classes::hzCoExtensionController	private	☐	instance
RenameFilesToMix	<None>	private	☐	instance
RenameFilesToRPD	<None>	private	☐	instance
RunCoreOfHydraulicsEXE	<None>	private	☐	instance
RestartPrompt	<None>	private	☐	instance

Classification: ModOtherGrids

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
MODULE	VB::String	private	1	"ModOtherGrids - "
STATUSMAIN	VB::String	private	1	"Riverine hydraulics analysis"
CONVPG	VB::String	private	1	"ConvPG"
HYDROLOGY	VB::String	private	1	"Hydrology"
Q	VB::String	private	1	"Q"
REACH	VB::String	private	1	"Reach"
RP	VB::String	private	1	"RP"
WSEPTS	VB::String	private	1	"WSEPts"
XSECTS	VB::String	private	1	"Xsects"
DIR_HYDRAULICS	VB::String	private	1	"Hydraulics"
DIR_REACHES	VB::String	private	1	"Reaches"
FC_CNTROFPOLYS	VB::String	private	1	"CntrofPolys"
FC_DEPTHPOLY	VB::String	private	1	"DepthPolygon"
FLD_EL	VB::String	private	1	"El"
FLD_FLID	VB::String	private	1	"FLID"
FLD_REFELEV	VB::String	private	1	"RefElev"
FLD_REFQ	VB::String	private	1	"RefQ"
MDB_CASEOUTPUT	VB::String	private	1	"CaseOutput"
CELLSIZEFACTOR	VB::Double	private	1	1#

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
OtherGrids	<None>	public	☐	instance
DoughNuts	esriGeometry::IPolygon	private	☐	instance

Classification: clsDefineHydraulics

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Terminate	<None>	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance

Classification: clsHydraulicsVariables

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strDemName	VB::String	private	1	
m_strDemPath	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_strRiverinePath	VB::String	private	1	
m_strStudyCasePath	VB::String	private	1	
m_strVerticalUnits	VB::String	private	1	
m_strDatapath	VB::String	private	1	
m_dblCellSize	VB::Double	private	1	
m_strGDBName	VB::String	private	1	
m_strReachFclass	VB::String	private	1	
m_xSectsFClass	VB::String	private	1	
m_wseFClass	VB::String	private	1	
m_ReachWSEXsectPath	VB::String	private	1	
m_floodPlain	VB::String	private	1	
m_depthGRID	VB::String	private	1	
m_QFreqPath	VB::String	private	1	
m_strFITPath	VB::String	private	1	
m_blnFITAnalysis	VB::Boolean	private	1	
m_blnHydraulicsAnalysis	VB::Boolean	private	1	
m_blnDepthGrid	VB::Boolean	private	1	
m_blnDepthGridSuite	VB::Boolean	private	1	
m_lngDepthGridReturnPeriod	VB::Long	private	1	
m_blnFitSuite	VB::Boolean	private	1	
m_lngFITReturnPeriod	VB::Long	private	1	
m_blnAllSameReturnPeriod	VB::Boolean	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
get_VerticalUnits	VB::String	public	☐	instance
let_VerticalUnits	<None>	public	☐	instance
get_ReachFClass	VB::String	public	☐	instance
let_ReachFClass	<None>	public	☐	instance
get_GDBName	VB::String	public	☐	instance
let_GDBName	<None>	public	☐	instance
get_DemPath	VB::String	public	☐	instance
let_DemPath	<None>	public	☐	instance
get_DemName	VB::String	public	☐	instance
let_DemName	<None>	public	☐	instance
get_DataPath	VB::String	public	☐	instance
let_DataPath	<None>	public	☐	instance
get_RiverinePath	VB::String	public	☐	instance
let_RiverinePath	<None>	public	☐	instance
get_RegionPath	VB::String	public	☐	instance
let_RegionPath	<None>	public	☐	instance
get_StudyCasePath	VB::String	public	☐	instance
let_StudyCasePath	<None>	public	☐	instance
get_cellSize	VB::Double	public	☐	instance
let_cellSize	<None>	public	☐	instance
get_xSectsFClass	VB::String	public	☐	instance
let_xSectsFClass	<None>	public	☐	instance
get_wseFClass	VB::String	public	☐	instance
let_wseFClass	<None>	public	☐	instance
get_ReachWSEXsectPath	VB::String	public	☐	instance
let_ReachWSEXsectPath	<None>	public	☐	instance
get_depthGRID	VB::String	public	☐	instance
let_depthGRID	<None>	public	☐	instance
get_floodPlain	VB::String	public	☐	instance
let_floodPlain	<None>	public	☐	instance
get_QFreqPath	VB::String	public	☐	instance
let_QFreqPath	<None>	public	☐	instance
get_FITPath	VB::String	public	☐	instance
let_FITPath	<None>	public	☐	instance
get_FITAnalysis	VB::Boolean	public	☐	instance
let_FITAnalysis	<None>	public	☐	instance
get_HydraulicsAnalysis	VB::Boolean	public	☐	instance
let_HydraulicsAnalysis	<None>	public	☐	instance
get_FITSuite	VB::Boolean	public	☐	instance
let_FITSuite	<None>	public	☐	instance
get_FITReturnPeriod	VB::Long	public	☐	instance
let_FITReturnPeriod	<None>	public	☐	instance
get_AllSameReturnPeriod	VB::Boolean	public	☐	instance
let_AllSameReturnPeriod	<None>	public	☐	instance
get_HasDepthGrid	VB::Boolean	public	☐	instance
let_HasDepthGrid	<None>	public	☐	instance
get_DepthGridSuite	VB::Boolean	public	☐	instance
let_DepthGridSuite	<None>	public	☐	instance

Classification: frmHydraulics

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_pReachFLayer	esriCarto::IFeatureLayer	private	1	
m_pFITFLayer	esriCarto::IFeatureLayer	private	1	
m_pDGFLayer	esriCarto::IFeatureLayer	private	1	
m_pReachesFClass	esriGeoDatabase::IFeatureClass	private	1	
m_pFITFClass	esriGeoDatabase::IFeatureClass	private	1	
m_pDGFClass	esriGeoDatabase::IFeatureClass	private	1	
m_MasterPaths	hzFlAnWorkFlow::ChzFlMasterPaths	private	1	
m_HazardVariables	hzFlAnWorkFlow::CHazardVariables	private	1	
m_HydroVariables	hzFlAnHydraulics::clsHydraulicsVariables	private	1	
m_strSCRivPath	VB::String	private	1	
m_strDemName	VB::String	private	1	
m_strDemPath	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_strSRRivPath	VB::String	private	1	
m_lngSCID	VB::Long	private	1	
m_blnSelReaches	VB::Boolean	private	1	
m_blnSelFIT	VB::Boolean	private	1	
m_blnSelDG	VB::Boolean	private	1	
m_blnInitializedOne	VB::Boolean	private	1	
m_lngDischargeRow	VB::Long	private	1	
m_lngReturnPeriodRow	VB::Long	private	1	
m_lngProbabilisticRow	VB::Long	private	1	
m_lngFITRow	VB::Long	private	1	
m_lngDGRow	VB::Long	private	1	
m_lngReachCount	VB::Long	private	1	
m_lngFITCount	VB::Long	private	1	
m_lngDGCount	VB::Long	private	1	
m_lngActiveSpread	VB::Long	private	1	
m_intComboBox	VB::Integer	private	1	
m_collCellSize	External Classes::Collection	private	1	
MODULE	VB::String	private	1	"frmHydraulics - "
FIT	VB::String	private	1	"FIT"
FC_CHOSENREACHES	VB::String	private	1	"ChosenReaches"
FC_SELFITRIV	VB::String	private	1	"FITRiv"
FC_SELDGRIV	VB::String	private	1	"DGRiv"
FLD_FLID	VB::String	private	1	"FLID"
MDB_CASEOUTPUT	VB::String	private	1	"CaseOutput"
MDB_RIVOUTPUT	VB::String	private	1	"FlAnRivOutput"
TAB_QFREQ	VB::String	private	1	"Qfreq"
RGN_VAR_HAZ_TYPE	VB::String	private	1	"Hazard_Type"
CASE_VAR_COAST_ANALYSIS_TYPE	VB::String	private	1	"COAST_ANALYSIS_TYPE"
CASE_VAR_COAST_RP	VB::String	private	1	"COAST_RP"
CurMult	VB::Long	private	1	10000

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
set_AppName	<None>	public	☐	instance
set_MasterPaths	<None>	public	☐	instance
set_HazardVariables	<None>	public	☐	instance
set_HydroVariables	<None>	public	☐	instance
Form_Activate	<None>	private	☐	instance
Form_Load	<None>	private	☐	instance
Form_Unload	<None>	private	☐	instance
cboAnalysisType_Click	<None>	private	☐	instance
cmdFillDown_Click	<None>	private	☐	instance
cmdCancel_Click	<None>	private	☐	instance
cmdOK_Click	<None>	private	☐	instance
sprReturnPeriod_Click	<None>	private	☐	instance
sprProbabilistic_Click	<None>	private	☐	instance
sprDischarge_Click	<None>	private	☐	instance
sprFIT_Click	<None>	private	☐	instance
sprDG_Click	<None>	private	☐	instance
CalculateMemoryUsage	<None>	private	☐	instance
ClearReachSelection	<None>	private	☐	instance
ClearFITSelection	<None>	private	☐	instance
ClearDGSelection	<None>	private	☐	instance
DisplaySelectedFeature	<None>	private	☐	instance
EnableFillDown	<None>	private	☐	instance
FITCol2CellType	<None>	private	☐	instance
GetUiCoExtensionController	External Classes::hzCoExtensionController	private	☐	instance
InitializeDG	<None>	private	☐	instance
InitializeFIT	<None>	private	☐	instance
InitializeReaches	<None>	private	☐	instance
LockDGSpread	<None>	private	☐	instance
LockFITCol2	<None>	private	☐	instance
MissingSuiteReturnPeriods	VB::String	private	☐	instance
PopulateFITAnalysisPeriods	<None>	private	☐	instance
SizeForm	<None>	private	☐	instance
ValidateInput	VB::Boolean	private	☐	instance
WriteReachInfo	<None>	private	☐	instance
WriteFITInfo	<None>	private	☐	instance

Classification: hzFlAnHydraulicsCode

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_strDemPath	VB::String	private	1	
m_strDemName	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_strRiverinePath	VB::String	private	1	
m_strStudyCasePath	VB::String	private	1	
m_blnSucceeded	VB::Boolean	private	1	
m_strDatapath	VB::String	private	1	
m_MasterPaths	hzFlAnWorkFlow::ChzFlMasterPaths	private	1	
m_HazardVariables	hzFlAnWorkFlow::CHazardVariables	private	1	
m_HydraulicsVariables	hzFlAnHydraulics::clsHydraulicsVariables	private	1	
m_strAccumGrid	VB::String	private	1	"FlowAcc"
m_strCaseOutputGDB	VB::String	private	1	"CaseOutput"
m_strChosenReaches	VB::String	private	1	"ChosenReaches"
m_strLevee	VB::String	private	1	"Levee"
m_strDepth	VB::String	private	1	"Depth"
m_strFlowReg	VB::String	private	1	"FlowReg"
m_strADOConnection	VB::String	private	1	
m_lngStudyCaseID	VB::Long	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Initialize	<None>	private	☐	instance
Class_Terminate	<None>	private	☐	instance
set_AppName	<None>	public	☐	instance
SetMasterPaths	<None>	public	☐	instance
set_MasterPaths	<None>	public	☐	instance
set_HazardVariables	<None>	public	☐	instance
set_HydroVariables	<None>	public	☐	instance
get_Succeeded	VB::Boolean	public	☐	instance
EntryPoint	<None>	public	☐	instance
DoHydraulicsCode	<None>	public	☐	instance
LaunchHydraulics	<None>	private	☐	instance
ValidateHydraulicsInput	VB::Boolean	private	☐	instance
PassLeveeVariables	<None>	public	☐	instance

Classification: modFITHydraulics

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
MODULE	VB::String	private	1	"modFITHydraulics - "
STATUSMAIN	VB::String	private	1	"Riverine FIT analysis"
BOUNDARY	VB::String	private	1	"Boundary"
CENTERLINE	VB::String	private	1	"Centerline"
DEPTH	VB::String	private	1	"Depth"
FIT	VB::String	private	1	"FIT"
FORMAT	VB::String	private	1	"Format"
HYDROLOGY	VB::String	private	1	"Hydrology"
MASK	VB::String	private	1	"Mask"
RIVERINE	VB::String	private	1	"Riverine"
temp	VB::String	private	1	"Temp"
USERDATA	VB::String	private	1	"UserData"
FC_CHOSENREACHES	VB::String	private	1	"ChosenReaches"
FC_COVER	VB::String	private	1	"Cover"
FC_EUCXSECS	VB::String	private	1	"EucXSecs"
FC_RIVFIT	VB::String	private	1	"FITRiv"
FC_UPXSEC	VB::String	private	1	"UpXSec"
FC_XSECS	VB::String	private	1	"XSecs"
MDB_CASEOUTPUT	VB::String	private	1	"CaseOutput"
MDB_FITRES	VB::String	private	1	"FITResults"
MDB_RIVHYDRO	VB::String	private	1	"FlAnRivHydro"
MDB_RIVOUTPUT	VB::String	private	1	"FlAnRivOutput"
TAB_K	VB::String	private	1	"K_TAB"
g_intAnalysisType	VB::Integer	public	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
AnalyzeFITOutput	<None>	public	☐	instance
ReturnPeriodInString	VB::Boolean	private	☐	instance
SuiteReturnList	External Classes::Collection	private	☐	instance
AllTheSameReturnPeriod	VB::Boolean	private	☐	instance
BuildSkewList	External Classes::Collection	private	☐	instance
MakePowerList	<None>	private	☐	instance
InterpolationInterval	<None>	private	☐	instance
FindExponent	VB::Double	private	☐	instance
PowerGrid	esriGeoDatabase::IRaster	private	☐	instance
BuildFrequencyGrids	<None>	private	☐	instance
ComputeRiverineFloodplains	<None>	private	☐	instance
CollectRiverineFloodplains	<None>	private	☐	instance
BuildRiverineBoundary	<None>	private	☐	instance
MergeFITGrids	<None>	private	☐	instance

4.2.12 CoreOfHydraulics

Classification: frmStatus

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
strStatusMain	VB::String	private	1	
CELLSIZEFAC	VB::Double	private	1	1#
MODULE	VB::String	private	1	"modHydraulics - "
BNDRY_POLY_MIX	VB::String	private	1	"BoundaryPolyMix"
BNDRY_POLY_RP	VB::String	private	1	"BoundaryPolyRP"
COASTAL	VB::String	private	1	"Coastal"
CONVPG	VB::String	private	1	"ConvPG"
DSH	VB::String	private	1	"DSH"
FIT	VB::String	private	1	"FIT"
HYDROLOGY	VB::String	private	1	"Hydrology"
MIX	VB::String	private	1	"mix"
REACH	VB::String	private	1	"Reach"
REFELEV	VB::String	private	1	"RefElev"
RIVERINE	VB::String	private	1	"Riverine"
RPD	VB::String	private	1	"RPD"
STATUSPREFIX	VB::String	private	1	"Riverine hydraulics analysis"
WSEPTS	VB::String	private	1	"WSEPts"
XSECTS	VB::String	private	1	"Xsects"
ZONERP	VB::String	private	1	"ZoneRP"
DIR_DEPTH	VB::String	private	1	"Depth"
DIR_DEPTHGRID	VB::String	private	1	"DepthGrid"
DIR_HYDRAULICS	VB::String	private	1	"Hydraulics"
DIR_FLOWREG	VB::String	private	1	"FlowReg"
DIR_LEVEE	VB::String	private	1	"Levee"
DIR_REACHES	VB::String	private	1	"Reaches"
DIR_USERDATA	VB::String	private	1	"UserData"
FC_CNTROFPOLYS	VB::String	private	1	"CntrofPolys"
FC_COVER	VB::String	private	1	"Cover"
FC_DEPTHPOLY	VB::String	private	1	"DepthPolygon"
FC_SELDGRIV	VB::String	private	1	"DGRiv"
FLD_FLID	VB::String	private	1	"FLID"
FLD_GRIDCODE	VB::String	private	1	"Grid_Code"
MDB_CASEOUTPUT	VB::String	private	1	"CaseOutput"
MDB_RIVOUTPUT	VB::String	private	1	"FlAnRivOutput"
TAB_QFREQ	VB::String	private	1	"Qfreq"
m_pAOInitialize	esriSystem::IAoInitialize	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CheckOutLicense	External Classes::esriLicen...	private	☐	instance
Form_Activate	<None>	private	☐	instance
Form_Unload	<None>	private	☐	instance
let_RegionPath	<None>	public	☐	instance
let_SCPath	<None>	public	☐	instance
let_DataPath	<None>	public	☐	instance
let_GDBName	<None>	public	☐	instance
let_DEMPath	<None>	public	☐	instance
let_DEMName	<None>	public	☐	instance
let_ChosenReachFClass	<None>	public	☐	instance
let_WhatIf	<None>	public	☐	instance
let_FLID	<None>	public	☐	instance
let_AnalysisType	<None>	public	☐	instance
let_AnalysisValue	<None>	public	☐	instance
let_DischargeValue	<None>	public	☐	instance
let_GridCode	<None>	public	☐	instance
let_CurrentFeature	<None>	public	☐	instance
let_TotalFeatures	<None>	public	☐	instance
let_CellSize	<None>	public	☐	instance
let_IsRP	<None>	public	☐	instance
let_Individual	<None>	public	☐	instance
let_DoMerge	<None>	public	☐	instance
CoreOfHydraulics	<None>	private	☐	instance
AddToCenterlineFClass	<None>	private	☐	instance
MergeGrids	<None>	private	☐	instance

Classification: ModAddBack

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
MODULE	VB::String	private	1	"modAddBack - "
CONVPG	VB::String	private	1	"ConvPG"
DSH	VB::String	private	1	"DSH"
REACH	VB::String	private	1	"Reach"
STATUSMAIN	VB::String	private	1	"Riverine hydraulics analysis"
DIR_DEPTH	VB::String	private	1	"Depth"
DIR_HYDRAULICS	VB::String	private	1	"Hydraulics"
DIR_REACHES	VB::String	private	1	"Reaches"
DS_HYDROLOGY	VB::String	private	1	"Hydrology"
FC_ALLSHEDS	VB::String	private	1	"AllSheds"
FC_CNTRPTS	VB::String	private	1	"CntrPts"
FC_DEPTHPOLY	VB::String	private	1	"DepthPolygon"
FC_MASK	VB::String	private	1	"Mask"
FLD_ELEV	VB::String	private	1	"Elev"
FLD_GRIDCODE	VB::String	private	1	"GridCode"
MDB_RIVOUTPUT	VB::String	private	1	"FlAnRivOutput"
RAS_FILLDEM	VB::String	private	1	"FillDEM"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
AddBack	<None>	public	☐	instance
ModifySuiteDepthPolygon	<None>	private	☐	instance
ModifyDepthGrid	esriGeoDatabase::IRaster	private	☐	instance
FillDEMMask	<None>	private	☐	instance
MakeCntrPtsFClass	esriGeoDatabase::IFeatureClass	private	☐	instance
MakeCntrFields	esriGeoDatabase::IFields	private	☐	instance

Classification: ModAlphaBetaTabs

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
MODULE	VB::String	private	1	"ModAlphaBetaTabs - "
FLD_FLID	VB::String	private	1	"FLID"
MDB_RIVOUTPUT	VB::String	private	1	"FlAnRivOutput"
TAB_QFREQ	VB::String	private	1	"QFreq"
TAB_ALPHA	VB::String	private	1	"Alpha"
TAB_BETA	VB::String	private	1	"Beta"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
AlphaBetaTables	<None>	public	☐	instance
ExportQFreqTab	<None>	private	☐	instance
AlphaBetaFields	esriGeoDatabase::IFields	private	☐	instance
Populate	<None>	private	☐	instance
AddRow	<None>	private	☐	instance
ReadValue	VB::Double	public	☐	instance
ReadQValue	VB::Double	private	☐	instance
UpdateRow	<None>	private	☐	instance

Classification: ModBoundsandEnds

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
lngCallCount	VB::Long	private	1	
MODULE	VB::String	private	1	"modBoundsandEnds - "
MDB_CASEOUTPUT	VB::String	private	1	"CaseOutput"
HYDROLOGY	VB::String	private	1	"Hydrology"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
BoundsandEnds	External Classes::Collection	public	☐	instance
MultipleLimitIntersections	<None>	private	☐	instance
BufferUnionLimits	esriGeometry::IPolygon	private	☐	instance
ValidateLimits	External Classes::Collection	private	☐	instance
CleanVertexIntersections	<None>	private	☐	instance
BuildFloodplainPolygon	esriGeometry::IPolygon	public	☐	instance
ValidateFloodPolygon	esriGeometry::IPolygon	public	☐	instance
ConnectedFloodPolygon	esriGeometry::IPolygon	private	☐	instance
DifferenceIntersect	esriGeometry::IGeometry	public	☐	instance
ExtendLimitIncrement	<None>	public	☐	instance
LeftRightBoundary2	<None>	public	☐	instance
ValidBuffers	VB::Boolean	private	☐	instance
OrientFloodplainLines	<None>	private	☐	instance
BoundsAndEndsPolygonApproach	External Classes::Collection	public	☐	instance

Classification: ModCenterLine

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
MODULE	VB::String	private	1	"ModCenterLine - "
EUCSIDES	VB::String	private	1	"EucSides"
EUCPOLY	VB::String	private	1	"EucPoly"
HYDROLOGY	VB::String	private	1	"Hydrology"
m_strGDBName	VB::String	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
GetCenterline	esriGeometry::IPolyline	public	☐	instance
CorrectCenterlinePath	esriGeometry::IPolyline	private	☐	instance
SetupEucSidesFields	esriGeoDatabase::IFields	private	☐	instance
AddBoundaryValues	<None>	private	☐	instance
EuclideanAllocationGrid	esriGeoDatabase::IRaster	private	☐	instance
CalculateCenterline	esriGeometry::IPolyline	private	☐	instance
OrientAndClipCenterline	esriGeometry::IPolyline	private	☐	instance
ConnectPolygons	esriGeometry::IPolyline	public	☐	instance
PolyCenterLines	esriGeometry::IPolyline	public	☐	instance

Classification: ModCommonFunctions

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
RemoveDuplicatePoints	esriGeometry::IPointCollection	public	☐	instance
PointPosition1	VB::Double	public	☐	instance
avReturnArea	VB::Double	public	☐	instance
LeftRightBoundary	<None>	public	☐	instance
ExtendLines	esriGeometry::IPolyline	public	☐	instance

Classification: ModConveyance

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
LEFTBUFF	VB::String	private	1	"LeftBuffer"
RIGHTBUFF	VB::String	private	1	"RightBuffer"
TEMPFILE	VB::String	private	1	"ABS123ForSimp"
MODULE	VB::String	private	1	"ModConveyance - "

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Conveyance	External Classes::Collection	public	☐	instance
BigEnough	VB::Boolean	public	☐	instance
EnlargeConveyance	esriGeometry::IPolygon	private	☐	instance

Classification: modHydraulics

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
g_blnMainStem	VB::Boolean	public	1	
g_strRegionPath	VB::String	public	1	
g_strRegionRivPath	VB::String	public	1	
g_strSCPath	VB::String	public	1	
g_strDataPath	VB::String	public	1	
g_strDEMPath	VB::String	public	1	
g_strDEMName	VB::String	public	1	
g_strGDBName	VB::String	public	1	
g_strXSectsFClass	VB::String	public	1	
g_strWSEFClass	VB::String	public	1	
g_strChosenReachFClass	VB::String	public	1	
g_strWhatIf	VB::String	public	1	
g_lngFLID	VB::Long	public	1	
g_lngAnalysisType	VB::Long	public	1	
g_lngAnalysisValue	VB::Long	public	1	
g_lngGridCode	VB::Long	public	1	
g_lngDischargeValue	VB::Long	public	1	
g_lngCurrentFeature	VB::Long	public	1	
g_lngTotalFeatures	VB::Long	public	1	
g_dblCellSize	VB::Double	public	1	
g_blnIsRP	VB::Boolean	public	1	
g_blnIndividual	VB::Boolean	public	1	
g_blnDoMerge	VB::Boolean	public	1	
MODULE	VB::String	private	1	"modHydraulics - "
MetersToFeet	<unspecified>	public	1	3.2808
FeetToMeters	<unspecified>	public	1	0.3048

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Main	<None>	public	☐	instance

Classification: ModInitialBuffer

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
MODULE	VB::String	private	1	"modInitialBuffer - "
FC_NETWORK	VB::String	private	1	"Network"
FLD_ARCID	VB::String	private	1	"ArcID"
FLD_AREA	VB::String	private	1	"Area"
FLD_FLID	VB::String	private	1	"FLID"
FLD_FROMNODE	VB::String	private	1	"From_node"
FLD_GRIDCODE	VB::String	private	1	"Grid_code"
FLD_TONODE	VB::String	private	1	"To_node"
MDB_RIVOUTPUT	VB::String	private	1	"FlAnRivOutput"
RAS_ACCUM	VB::String	private	1	"FlowAcc"
TAB_QFREQ	VB::String	private	1	"Qfreq"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
InitBuffer	External Classes::Collection	public	☐	instance
ExtendLine	esriGeometry::IPolyline	private	☐	instance

Classification: modInterpolateQ

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strHydroGDB	VB::String	private	1	"FlAnRivHydro"
m_strKTable	VB::String	private	1	"K_TAB"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
InterpolatedDischargeValue	VB::Double	public	☐	instance
InterpolatedReturnPeriod	VB::Integer	public	☐	instance
StatisticalParameters	External Classes::Collection	private	☐	instance
FlipKListNegative	External Classes::Collection	public	☐	instance
LeastSquares	External Classes::Collection	private	☐	instance
CollectionToArray	<None>	private	☐	instance
LeastSquareParameters	External Classes::Collection	public	☐	instance
ComputeQFromP	VB::Double	public	☐	instance
ComputePFromQ	VB::Integer	public	☐	instance

Classification: ModLimits

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
MODULE	VB::String	private	1	"modLimits - "
LEFTBUFFER	VB::String	private	1	"LeftBuffer"
RIGHTBUFFER	VB::String	private	1	"RightBuffer"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
NewLimitsandCenterlines	External Classes::Collection	public	☐	instance
FatLimit	esriGeometry::IPolyline	public	☐	instance
CheckLimits	External Classes::Collection	public	☐	instance
FindLimit	esriGeometry::IPolyline	private	☐	instance

Classification: ModQ

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
MODULE	VB::String	private	1	"ModQ - "
Q	VB::String	private	1	"Q"
FLD_DRNAREA	VB::String	private	1	"DrnArea"
FLD_EL	VB::String	private	1	"El"
FLD_FLID	VB::String	private	1	"FLID"
FLD_REFELEV	VB::String	private	1	"RefElev"
FLD_REFQ	VB::String	private	1	"RefQ"
TAB_ALPHA	VB::String	private	1	"Alpha"
TAB_BETA	VB::String	private	1	"Beta"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
QArea	External Classes::Collection	public	☐	instance
OtherQs	<None>	public	☐	instance
ValueInCollection	VB::Boolean	private	☐	instance

Classification: ModRemovePools

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
MODULE	VB::String	private	1	"ModRemovePools - "
HYDROLOGY	VB::String	private	1	"Hydrology"
FC_DEPTHPOLY	VB::String	private	1	"DepthPolygon"
FLD_UPSECT	VB::String	private	1	"UpSect"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
RemovePools	esriGeoDatabase::IRaster	public	☐	instance
GridToPolygon	External Classes::Collection	public	☐	instance
ReviseWsePts	<None>	private	☐	instance
RemoveSingleIntersection	<None>	public	☐	instance

Classification: ModWsePts

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strFDatasetName	VB::String	private	1	
m_strName	VB::String	private	1	
MODULE	VB::String	private	1	"modWsePts - "
CONVPG	VB::String	private	1	"ConvPG"
el	VB::String	private	1	"El"
REACH	VB::String	private	1	"Reach"
WSEPTS	VB::String	private	1	"WSEPts"
FC_LEFTBUFFER	VB::String	private	1	"LeftBuffer"
FC_RIGHTBUFFER	VB::String	private	1	"RightBuffer"
FLD_INTERPWGHT	VB::String	private	1	"InterpWght"
FLD_REFELEV	VB::String	private	1	"RefElev"
FLD_UPSECT	VB::String	private	1	"UpSect"
CELLSIZEFACTOR	VB::Double	private	1	2#

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
InitialWsePts	VB::Boolean	public	☐	instance
IncreaseWsePts	<None>	public	☐	instance
GridFromWsePts	esriGeoDatabase::IRaster	public	☐	instance
FinalWsePts	VB::Boolean	public	☐	instance
OtherWsePts	<None>	public	☐	instance
MakeWsePts	<None>	private	☐	instance
SetupWSEFields	esriGeoDatabase::IFields	private	☐	instance

Classification: ModXSections

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
MODULE	VB::String	private	1	"modXSections - "
REACH	VB::String	private	1	"Reach"
XSECTS	VB::String	private	1	"Xsects"
FLD_AREA	VB::String	private	1	"Area"
FLD_DRNAREA	VB::String	private	1	"DrnArea"
FLD_FLID	VB::String	private	1	"FLID"
FLD_FRICTSLOPE	VB::String	private	1	"FrictSlope"
FLD_NVALUE	VB::String	private	1	"nValue"
FLD_REFELEV	VB::String	private	1	"RefElev"
FLD_REFQ	VB::String	private	1	"RefQ"
MDB_RIVOUTPUT	VB::String	private	1	"FlAnRivOutput"
RAS_FLOWACC	VB::String	private	1	"FlowAcc"
TAB_QFREQ	VB::String	private	1	"Qfreq"
CELLSIZEFACTOR	VB::Double	private	1	2#

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
PlaceInitXsects	External Classes::Collection	public	☐	instance
ExtendXSect	External Classes::Collection	public	☐	instance
InitialXSectElevs	<None>	public	☐	instance
SetupXsectFields	esriGeoDatabase::IFields	private	☐	instance
XsGeometry	External Classes::Collection	public	☐	instance
FinalCrossSections	External Classes::Collection	public	☐	instance
XsNoList	External Classes::Collection	public	☐	instance
InsertAt	External Classes::Collection	private	☐	instance
CloneCollection	External Classes::Collection	private	☐	instance
ExtendCenterline	<None>	public	☐	instance
ExtendFloodPolygon	<None>	private	☐	instance
NormalDepth	<None>	public	☐	instance

4.2.13 Coastal (hzFlAnCoastal) Library

Classification: CDrawBreakLine

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_pActiveView	esriCarto::IActiveView	private	1	
m_pScreenDisplay	esriDisplay::IScreenDisplay	private	1	
m_pNewLineFeedback	esriDisplay::INewLineFeedback	private	1	
m_strSelShoreName	VB::String	private	1	"ChosenShorelines"
m_strShoreStart	VB::String	private	1	"ShoreStart"
m_strShoreEnd	VB::String	private	1	"ShoreEnd"
m_strTypeFieldName	VB::String	private	1	"Type_"
m_strShoreBreak	VB::String	private	1	"ShoreBreak"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Terminate	<None>	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
get_ITool_Cursor	esriSystem::OLE_HANDLE	private	☐	instance
ITool_OnMouseDown	<None>	private	☐	instance
ITool_OnMouseMove	<None>	private	☐	instance
ITool_OnMouseUp	<None>	private	☐	instance
ITool_OnDblClick	<None>	private	☐	instance
ITool_OnKeyDown	<None>	private	☐	instance
ITool_OnKeyUp	<None>	private	☐	instance
ITool_OnContextMenu	VB::Boolean	private	☐	instance
ITool_Refresh	<None>	private	☐	instance
ITool_Deactivate	VB::Boolean	private	☐	instance
get_ICommandItem_Action	VB::String	private	☐	instance
let_ICommandItem_Action	<None>	private	☐	instance
get_ICommandItem_BuiltIn	VB::Boolean	private	☐	instance
get_ICommandItem_Category	VB::String	private	☐	instance
get_ICommandItem_Command	esriSystemUI::ICommand	private	☐	instance
ICommandItem_Delete	<None>	private	☐	instance
get_ICommandItem_FaceID	External Classes::Variant	private	☐	instance
let_ICommandItem_FaceID	<None>	private	☐	instance
get_ICommandItem_Group	VB::Boolean	private	☐	instance
let_ICommandItem_Group	<None>	private	☐	instance
get_ICommandItem_HelpFile	VB::String	private	☐	instance
let_ICommandItem_HelpFile	<None>	private	☐	instance
get_ICommandItem_HelpContextID	VB::Long	private	☐	instance
let_ICommandItem_HelpContextID	<None>	private	☐	instance
get_ICommandItem_ID	esriSystem::IUID	private	☐	instance
get_ICommandItem_Index	VB::Long	private	☐	instance
get_ICommandItem_Name	VB::String	private	☐	instance
let_ICommandItem_Name	<None>	private	☐	instance
get_ICommandItem_Caption	VB::String	private	☐	instance
let_ICommandItem_Caption	<None>	private	☐	instance
get_ICommandItem_Parent	esriFramework::ICommandBar	private	☐	instance
ICommandItem_Reset	<None>	private	☐	instance
get_ICommandItem_Style	esriSystemUI::esriCommandStyles	private	☐	instance
let_ICommandItem_Style	<None>	private	☐	instance
get_ICommandItem_Tag	VB::String	private	☐	instance

Classification: CDrawBreakLine Operations (Continued)

get_ICommandItem_Tooltip	VB::String	private	☐	instance
let_ICommandItem_Tooltip	<None>	private	☐	instance
get_ICommandItem_Type	esriFramework::esriCommandTypes	private	☐	instance
get_ICommandItem_Message	VB::String	private	☐	instance
let_ICommandItem_Message	<None>	private	☐	instance
ICommandItem_Execute	<None>	private	☐	instance
ICommandItem_Refresh	<None>	private	☐	instance

Classification: CFilterDraw

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ICustomizationFilter_OnCustomizationEvent	VB::Boolean	private	☐	instance

Classification: frmCoastHazard

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_pShorelineFLayer	esriCarto::IFeatureLayer	private	1	
m_pFITFLayer	esriCarto::IFeatureLayer	private	1	
m_pDGFLayer	esriCarto::IFeatureLayer	private	1	
m_pShorelineFClass	esriGeoDatabase::IFeatureClass	private	1	
m_pFITFClass	esriGeoDatabase::IFeatureClass	private	1	
m_pDGFClass	esriGeoDatabase::IFeatureClass	private	1	
m_MasterPaths	hzFlanWorkFlow::ChzFlMasterPaths	private	1	
m_HazardVariables	hzFlanWorkFlow::CHazardVariables	private	1	
m_strDEMPath	VB::String	private	1	
m_strSCCoastPath	VB::String	private	1	
m_blnSelShorelines	VB::Boolean	private	1	
m_blnSelFIT	VB::Boolean	private	1	
m_blnSelDG	VB::Boolean	private	1	
m_lngSCID	VB::Long	private	1	
m_lngReturnPeriodRow	VB::Long	private	1	
m_lngProbabilisticRow	VB::Long	private	1	
m_lngFITRow	VB::Long	private	1	
m_lngDGRow	VB::Long	private	1	
m_lngShorelineCount	VB::Long	private	1	
m_lngFITCount	VB::Long	private	1	
m_lngDGCount	VB::Long	private	1	
m_intAnalysisType	VB::Integer	private	1	
m_blnInitializedOne	VB::Boolean	private	1	
m_lngActiveSpread	VB::Long	private	1	
m_collCellSize	External Classes::Collection	private	1	
MDB_CASEOUTPUT	VB::String	private	1	"CaseOutput"
MODULE	VB::String	private	1	"frmCoastHazard - "
CLIPDEM	VB::String	private	1	"ClipDEM"
FC_DGCOAST	VB::String	private	1	"DGCoast"
FC_FITCOAST	VB::String	private	1	"FITCoast"
FC_SHORELINE	VB::String	private	1	"Shoreline"
FLID	VB::String	private	1	"FLID"
RGN_VAR_HAZ_TYPE	VB::String	private	1	"Hazard_Type"
CASE_VAR_RIV_ANALYSIS_TYPE	VB::String	private	1	"RIV_ANALYSIS_TYPE"
CASE_VAR_RIV_RP	VB::String	private	1	"RIV_RP"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
set_AppName	<None>	public	☐	instance
set_MasterPaths	<None>	public	☐	instance
set_HazardVariables	<None>	public	☐	instance
Form_Unload	<None>	private	☐	instance
ClearShorelineSelection	<None>	private	☐	instance
ClearFITSelection	<None>	private	☐	instance
Form_Load	<None>	private	☐	instance
InitializeShorelines	<None>	private	☐	instance
InitializeFIT	<None>	private	☐	instance
CheckFITSuite	VB::Boolean	private	☐	instance
InitializeDG	<None>	private	☐	instance
SizeForm	<None>	private	☐	instance
Form_Activate	<None>	private	☐	instance
LockFITCol2	<None>	private	☐	instance
FITCol2CellType	<None>	private	☐	instance
LockDGSpread	<None>	private	☐	instance
cboAnalysisType_Click	<None>	private	☐	instance
PopulateFITAnalysisPeriods	<None>	private	☐	instance
cmdFillDown_Click	<None>	private	☐	instance
sprFIT_Click	<None>	private	☐	instance
sprFIT_LeaveCell	<None>	private	☐	instance
sprReturnPeriod_Click	<None>	private	☐	instance
sprReturnPeriod_LostFocus	<None>	private	☐	instance
sprProbabilistic_Click	<None>	private	☐	instance
DisplaySelectedFeature	<None>	private	☐	instance
cmdCancel_Click	<None>	private	☐	instance
cmdOK_Click	<None>	private	☐	instance
ValidateInput	VB::Boolean	private	☐	instance
WriteShorelineInfo	<None>	private	☐	instance
WriteFITInfo	<None>	private	☐	instance
GetUiCoExtensionController	External Classes::hzCoExtensionController	private	☐	instance
ShowMemoryUsage	<None>	private	☐	instance

Classification: hzFlAnCoastalCode

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_strDEMPath	VB::String	private	1	
m_MasterPaths	hzFlanWorkFlow::ChzFlMasterPaths	private	1	
m_HazardVariables	hzFlanWorkFlow::CHazardVariables	private	1	
m_strCaseOutputGDB	VB::String	private	1	"CaseOutput"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Initialize	<None>	private	☐	instance
Class_Terminate	<None>	private	☐	instance
set_AppName	<None>	public	☐	instance
set_MasterPaths	<None>	public	☐	instance
set_HazardVariables	<None>	public	☐	instance
get_Succeeded	VB::Boolean	public	☐	instance
EntryPoint	<None>	public	☐	instance

Classification: hzFlAnCoastalHazForm

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
ipCoExtension	External Classes::hzCoExtensionController	private	1	
m_pWfHelper	External Classes::hzFlWfHelpers	private	1	
m_strRegionPath	VB::String	private	1	
m_strSCCoastPath	VB::String	private	1	
m_MasterPaths	hzFlanWorkFlow::ChzFlMasterPaths	private	1	
m_HazardVariables	hzFlanWorkFlow::CHazardVariables	private	1	
CASE_VAR_SHORE_CHAR_DONE	VB::String	private	1	"SHORE_CHAR_DONE"
CASE_VAR_HAS_SHORELINES	VB::String	private	1	"HAS_SHORELINES"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Initialize	<None>	private	☐	instance
Class_Terminate	<None>	private	☐	instance
SetMasterPaths	<None>	public	☐	instance
set_HazardVariables	<None>	public	☐	instance
get_Succeeded	VB::Boolean	public	☐	instance
EntryPoint	<None>	public	☐	instance
ValidateCoastalPrereqs	VB::Boolean	private	☐	instance
GetUiCoExtensionController	External Classes::hzCoExtensionController	private	☐	instance

Classification: modFITCoastal

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strCaseFITDepthPath	VB::String	private	1	
m_strCurrentModule	VB::String	private	1	"modFITCoastal - "
m_strFITGDB	VB::String	private	1	"FITResults"
m_strMask	VB::String	private	1	"Mask"
m_strBoundary	VB::String	private	1	"Boundary"
m_strTemp	VB::String	private	1	"Temp"
m_strZoneTemp	VB::String	private	1	"ZoneTemp"
m_strFormat	VB::String	private	1	"Format"
m_strFIT	VB::String	private	1	"FIT"
m_strSelCoastFIT	VB::String	private	1	"FITCoast"
m_strCaseOutGDB	VB::String	private	1	"CaseOutput"
m_strDepth	VB::String	private	1	"Depth"
m_strZone	VB::String	private	1	"Zone"
m_strStatusMain	VB::String	private	1	"Coastal FIT analysis"
m_strShoreline	VB::String	private	1	"Shoreline"
m_strCaseOutMDBName	VB::String	private	1	"CaseOutput"
m_strBoundaryPolyMix	VB::String	private	1	"BoundaryPolyMix"
m_strBoundaryPolyRP	VB::String	private	1	"BoundaryPolyRP"
m_strRPD	VB::String	private	1	"RPD"
m_strMix	VB::String	private	1	"Mix"
m_strZoneRP	VB::String	private	1	"ZoneRP"
m_strUserData	VB::String	private	1	"UserData"
m_strCoastal	VB::String	private	1	"Coastal"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
AnalyzeFITOutput	<None>	public	☐	instance
ReturnPeriodInString	VB::Boolean	public	☐	instance
SuiteReturnList	External Classes::Collection	private	☐	instance
CollectFITFloodplains	<None>	private	☐	instance
ComputeCoastalFITFloodplains	<None>	private	☐	instance
BuildCoastalFITBoundary	<None>	private	☐	instance
CopyPasteFITGrid	<None>	public	☐	instance
AllTheSameReturnPeriod	VB::Boolean	private	☐	instance
MergeWithFITBoundary	<None>	public	☐	instance
MergeWithFITDepthGrid	<None>	public	☐	instance
FormatGrid	<None>	private	☐	instance
MergeFITGrids	<None>	private	☐	instance

4.2.14 (hzFlAnAgriDmg) Library

Classification: clsAnAgriDmg

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Terminate	<None>	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance

Classification: hzFlAnAgriDmglauncher

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_AnalysisBits	VB::Long	private	1	
m_WhatIfBits	VB::Long	private	1	
m_pMasterPaths	hzFlAnWorkFlow::ChzFlMasterPaths	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
let_MasterPaths	<None>	public	☐	instance
let_AnalysisBits	<None>	public	☐	instance
let_WhatIfBits	<None>	public	☐	instance
Class_Initialize	<None>	private	☐	instance
Class_Terminate	<None>	private	☐	instance
EntryPoint	<None>	public	☐	instance

Classification: modAnAgriCalc

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_sError	VB::String	public	1	
m_IsErr	VB::Boolean	public	1	
m_pApp	esriFramework::IApplication	private	1	
m_lngSCID	VB::Long	private	1	
m_lngAnalysisID	VB::Long	private	1	
m_lngWhatIfBit	VB::Long	private	1	
m_lngHazType	VB::Long	private	1	
m_dblMainPrg	VB::Double	private	1	
m_dblSecPrg	VB::Double	private	1	
m_strRegionPath	VB::String	private	1	
m_strSCPath	VB::String	private	1	
m_strSCRivPath	VB::String	private	1	
m_strSCCoastPath	VB::String	private	1	
m_strSCRivLeveePath	VB::String	private	1	
m_strSCRivFlowRegPath	VB::String	private	1	
m_strSCCoastLongTermPath	VB::String	private	1	
m_strSCCoastShorePath	VB::String	private	1	
m_strRetID	VB::String	private	1	
m_strCon	VB::String	private	1	
m_strHazType	VB::String	private	1	
fldlist( )	External Classes::Variant	private	1	
MODULE	VB::String	private	1	"modAnAgriCalc - "
STATUSMAIN	VB::String	private	1	"Agricultural Damage Analysis"
MSG_TITLE	VB::String	private	1	"Agricultural Damage Analysis"
FLOWREG	VB::String	private	1	"flowreg"
QUICK	VB::String	private	1	"Quick"
LONGTERM	VB::String	private	1	"lterosion"
SHOREPROT	VB::String	private	1	"shoreprotect"
FC_AGMAP	VB::String	private	1	"flAgMap"
FC_PROJAG	VB::String	private	1	"PrjflAg"
MDB_AGAN	VB::String	private	1	"flAgAnDB"
MDB_CASEOUTPUT	VB::String	private	1	"CaseOutPut.mdb"
MDB_FLAG	VB::String	private	1	"flAG"
TAB_AGDMG	VB::String	private	1	"flAnAgriDmg"
TAB_RESULT	VB::String	private	1	"hzflAnResult"
TAB_RESCTRL	VB::String	private	1	"flAnResultsControl"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
InitAgriDmgAnalysis	<None>	public	☐	instance
ValidateParams	VB::Boolean	private	☐	instance
IsValidDB	VB::Boolean	private	☐	instance
IsValidFClass	VB::Boolean	private	☐	instance
CreateAgriGDB	<None>	private	☐	instance
AnalyseRiverine	VB::Boolean	private	☐	instance
AnalyseCoastal	VB::Boolean	private	☐	instance
AnalyseRiverine_Coastal	VB::Boolean	private	☐	instance
GetValidDepthGridPolygon	esriGeoDatabase::IEnumDataset	private	☐	instance
GetValidCoastalDepthGridPolygon	esriGeoDatabase::IEnumDataset	private	☐	instance
IsHavingResults	VB::Boolean	private	☐	instance
AnalyseDepthGrids	VB::Boolean	private	☐	instance
CompareSpatialReference	VB::Boolean	private	☐	instance
ChangeSpatialReference	VB::Boolean	private	☐	instance
IsExistsFClass	VB::Boolean	private	☐	instance
RecordLoadingErr	<None>	private	☐	instance
DefaultIndexGrid	VB::Double	private	☐	instance
Min	External Classes::Variant	private	☐	instance
Max	External Classes::Variant	private	☐	instance
DefaultIndexGridPoint	VB::Double	private	☐	instance
IsRelatedGeoms	VB::Boolean	private	☐	instance
GetPctAreaAffected	VB::Boolean	private	☐	instance
UploadToAccessDB	VB::Boolean	private	☐	instance
UploadToSQL	VB::Boolean	private	☐	instance
ValidateParms	<None>	public	☐	instance
CheckResults	VB::String	private	☐	instance
ClearAllTables	VB::String	private	☐	instance

Classification: modAnAgriFunctions

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_sTitle	VB::String	private	1	"Agricultural Damage Analysis"
m_sSource	VB::String	private	1	"hzflAnAgriDmg"
m_sGrdName	VB::String	private	1	
m_sAgriDmgTable	VB::String	private	1	"flAnAgriDmg"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CreateTable	esriGeoDatabase::ITable	public	☐	instance
DeleteDataSet	<None>	public	☐	instance

4.2.15 Flood Information Tool (FIT) Library

Classification: CAbout

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pExtensionConfig	esriSystem::IExtensionConfig	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Terminate	<None>	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance

Classification: CBackwater

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	External Classes::IApplication	private	1	
m_pExtensionConfig	esriSystem::IExtensionConfig	private	1	
c_password	<unspecified>	private	1	"password"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Terminate	<None>	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance
VerifyElevGrids	VB::Boolean	private	☐	instance
VerifyShapefile	VB::Boolean	private	☐	instance
VerifyFITFeatureClassForBackWater	VB::Boolean	private	☐	instance

Classification: CCoastFreq

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pExtensionConfig	esriSystem::IExtensionConfig	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Terminate	<None>	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance
VerifyBFEGrid	VB::Boolean	private	☐	instance

Classification: CCoastalFields

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pExtensionConfig	esriSystem::IExtensionConfig	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Terminate	<None>	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance

Classification: CExtension

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pDocumentEvents	esriArcMapUI::MxDocument	private	1	
m_pApp	esriFramework::IApplication	private	1	
m_pExtState	esriSystem::esriExtensionState	private	1	
m_pDoc	esriFramework::IDocument	private	1	
m_pLicenseInfo	esriSystem::IESRILicenseInfo	private	1	
c_password	<unspecified>	private	1	"password"
c_version	<unspecified>	private	1	5
m_strWorkDirectory	VB::String	private	1	
m_strCellSizeMeters	VB::String	private	1	
m_strCellSizeOriginal	VB::String	private	1	
m_strMetersPerUnit	VB::String	private	1	
m_intUTMZone	VB::Integer	private	1	
m_strDEMLayer	VB::String	private	1	
m_strPolygonLayer	VB::String	private	1	
m_strStudyAreaPolygonLayer	VB::String	private	1	
m_strXSecLayer	VB::String	private	1	
m_strPointType	VB::String	private	1	
m_strLineType	VB::String	private	1	
m_strStudyArea	VB::String	private	1	
m_strVerticalUnits	VB::String	private	1	
m_strVerticalDatum	VB::String	private	1	
m_strGreatLake	VB::String	private	1	
m_blnDrawFeedback	VB::Boolean	private	1	
m_blnCoastalChanged	VB::Boolean	private	1	
m_blnDrawUpLimit	VB::Boolean	private	1	
m_blnUpLimit	VB::Boolean	private	1	
m_blnDownLimit	VB::Boolean	private	1	
m_blnCLimitsEnabled	VB::Boolean	private	1	
m_blnCDrawLineEnabled	VB::Boolean	private	1	
m_blnCBackwaterEnabled	VB::Boolean	private	1	
m_blnCDrawBackwaterEnabled	VB::Boolean	private	1	
m_blnCRivFrequencyEnabled	VB::Boolean	private	1	
m_blnCCoastalFieldsEnabled	VB::Boolean	private	1	
m_blnCShoreWizardEnabled	VB::Boolean	private	1	
m_blnCTransectsEnabled	VB::Boolean	private	1	
m_blnCStormErosionEnabled	VB::Boolean	private	1	
m_blnCCoastFrequencyEnabled	VB::Boolean	private	1	
m_blnCSelectGraphicsEnabled	VB::Boolean	private	1	
m_blnCDrawPointEnabled	VB::Boolean	private	1	
m_lngTransectOID	VB::Long	private	1	
m_dblReferenceElev	VB::Double	private	1	
m_strOtherVerticalDatum	VB::String	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
get_IExtension_Name	VB::String	private	☐	instance
IExtension_Shutdown	<None>	private	☐	instance
IExtension_Startup	<None>	private	☐	instance
get_IExtensionConfig_Description	VB::String	private	☐	instance
get_IExtensionConfig_ProductName	VB::String	private	☐	instance
get_IExtensionConfig_State	esriSystem::esriExtensionState	private	☐	instance
let_IExtensionConfig_State	<None>	private	☐	instance
get_IPersistVariant_ID	esriSystem::IUID	private	☐	instance
IPersistVariant_Load	<None>	private	☐	instance
IPersistVariant_Save	<None>	private	☐	instance
GetSpatialAnalystLicense	VB::Boolean	public	☐	instance
get_WorkDirectory	VB::String	public	☐	instance
let_WorkDirectory	<None>	public	☐	instance
get_CellSizeMeters	VB::String	public	☐	instance
let_CellSizeMeters	<None>	public	☐	instance
get_CellSizeOriginal	VB::String	public	☐	instance
let_CellSizeOriginal	<None>	public	☐	instance
get_MetersPerUnit	VB::String	public	☐	instance
let_MetersPerUnit	<None>	public	☐	instance
get_UTMZone	VB::Integer	public	☐	instance
let_UTMZone	<None>	public	☐	instance
get_DEMLayer	VB::String	public	☐	instance
let_DEMLayer	<None>	public	☐	instance
get_PolygonLayer	VB::String	public	☐	instance
let_PolygonLayer	<None>	public	☐	instance
get_StudyAreaPolygonLayer	VB::String	public	☐	instance
let_StudyAreaPolygonLayer	<None>	public	☐	instance
get_XSecLayer	VB::String	public	☐	instance
let_XSecLayer	<None>	public	☐	instance
get_PointType	VB::String	public	☐	instance
let_PointType	<None>	public	☐	instance
get_LineType	VB::String	public	☐	instance
let_LineType	<None>	public	☐	instance
get_StudyArea	VB::String	public	☐	instance
let_StudyArea	<None>	public	☐	instance
get_GreatLake	VB::String	public	☐	instance
let_GreatLake	<None>	public	☐	instance
get_VerticalUnits	VB::String	public	☐	instance
let_VerticalUnits	<None>	public	☐	instance
get_VerticalDatum	VB::String	public	☐	instance
let_VerticalDatum	<None>	public	☐	instance
get_OtherVerticalDatum	VB::String	public	☐	instance
let_OtherVerticalDatum	<None>	public	☐	instance
get_DrawFeedback	VB::Boolean	public	☐	instance
let_DrawFeedback	<None>	public	☐	instance
get_CoastalChanged	VB::Boolean	public	☐	instance

Classification: CExtension Operations (Continued)

let_CoastalChanged	<None>	public	☐	instance
get_ReferenceElev	VB::Double	public	☐	instance
let_ReferenceElev	<None>	public	☐	instance
get_DrawUpLimit	VB::Boolean	public	☐	instance
let_DrawUpLimit	<None>	public	☐	instance
get_UpstreamLimit	VB::Boolean	public	☐	instance
let_UpstreamLimit	<None>	public	☐	instance
get_DownstreamLimit	VB::Boolean	public	☐	instance
let_DownstreamLimit	<None>	public	☐	instance
get_CLimitsEnabled	VB::Boolean	public	☐	instance
let_CLimitsEnabled	<None>	public	☐	instance
get_CDrawLineEnabled	VB::Boolean	public	☐	instance
let_CDrawLineEnabled	<None>	public	☐	instance
get_CBackwaterEnabled	VB::Boolean	public	☐	instance
let_CBackwaterEnabled	<None>	public	☐	instance
get_CDrawBackwaterEnabled	VB::Boolean	public	☐	instance
let_CDrawBackwaterEnabled	<None>	public	☐	instance
get_CRivFrequencyEnabled	VB::Boolean	public	☐	instance
let_CRivFrequencyEnabled	<None>	public	☐	instance
get_CCoastalFieldsEnabled	VB::Boolean	public	☐	instance
let_CCoastalFieldsEnabled	<None>	public	☐	instance
get_CShoreWizardEnabled	VB::Boolean	public	☐	instance
let_CShoreWizardEnabled	<None>	public	☐	instance
get_CTransectsEnabled	VB::Boolean	public	☐	instance
let_CTransectsEnabled	<None>	public	☐	instance
get_CStormErosionEnabled	VB::Boolean	public	☐	instance
let_CStormErosionEnabled	<None>	public	☐	instance
get_CCoastFrequencyEnabled	VB::Boolean	public	☐	instance
let_CCoastFrequencyEnabled	<None>	public	☐	instance
get_CDrawPointEnabled	VB::Boolean	public	☐	instance
let_CDrawPointEnabled	<None>	public	☐	instance
get_CSelectGraphicsEnabled	VB::Boolean	public	☐	instance
let_CSelectGraphicsEnabled	<None>	public	☐	instance
get_TransectOID	VB::Long	public	☐	instance
let_TransectOID	<None>	public	☐	instance
m_pDocumentEvents_CloseDocument	VB::Boolean	private	☐	instance
m_pDocumentEvents_NewDocument	VB::Boolean	private	☐	instance
m_pDocumentEvents_OpenDocument	VB::Boolean	private	☐	instance
LicenseTitle	VB::String	private	☐	instance
ResetVariables	<None>	private	☐	instance

Classification: CFilterDraw

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ICustomizationFilter_OnCustomizationEvent	VB::Boolean	private	☐	instance

Classification: CFilterGeneral

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ICustomizationFilter_OnCustomizationEvent	VB::Boolean	private	☐	instance

Classification: CFolderFilter

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
pFolderFilter	esriCatalog::IGxObjectFilter	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Initialize	<None>	private	☐	instance
Class_Terminate	<None>	private	☐	instance
IGxObjectFilter_CanChooseObject	VB::Boolean	private	☐	instance
IGxObjectFilter_CanDisplayObject	VB::Boolean	private	☐	instance
IGxObjectFilter_CanSaveObject	VB::Boolean	private	☐	instance
get_IGxObjectFilter_Description	VB::String	private	☐	instance
get_IGxObjectFilter_Name	VB::String	private	☐	instance

Classification: CHelp

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pExtensionConfig	esriSystem::IExtensionConfig	private	1	
m_pBitmap	External Classes::IPictureDisp	private	1	

Classification:CLimits

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pExtensionConfig	esriSystem::IExtensionConfig	private	1	
m_blnShowForm	VB::Boolean	private	1	
c_password	<unspecified>	private	1	"password"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Terminate	<None>	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance

Classification: CMenuCoastal

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
get_IMenuDef_Caption	VB::String	private	☐	instance
IMenuDef_GetItemInfo	<None>	private	☐	instance
get_IMenuDef_ItemCount	VB::Long	private	☐	instance
get_IMenuDef_Name	VB::String	private	☐	instance

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
get_IMenuDef_Caption	VB::String	private	☐	instance
IMenuDef_GetItemInfo	<None>	private	☐	instance
get_IMenuDef_ItemCount	VB::Long	private	☐	instance
get_IMenuDef_Name	VB::String	private	☐	instance

Classification: CMenuMain

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
get_IMenuDef_Caption	VB::String	private	☐	instance
IMenuDef_GetItemInfo	<None>	private	☐	instance
get_IMenuDef_ItemCount	VB::Long	private	☐	instance
get_IMenuDef_Name	VB::String	private	☐	instance

Classification: CMenuRiverine

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
get_IMenuDef_Caption	VB::String	private	☐	instance
IMenuDef_GetItemInfo	<None>	private	☐	instance
get_IMenuDef_ItemCount	VB::Long	private	☐	instance
get_IMenuDef_Name	VB::String	private	☐	instance

Classification: CMergeProjects

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pExtensionConfig	esriSystem::IExtensionConfig	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Terminate	<None>	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance

Classification: CProjInfo

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strPath	VB::String	public	1	
MergeResult	VB::String	public	1	
FITVersion	VB::String	public	1	
HazardType	VB::String	public	1	
WorkDir	VB::String	public	1	
BasinName	VB::String	public	1	
ReachName	VB::String	public	1	
AnalystName	VB::String	public	1	
AnalysisDate	VB::String	public	1	
StudyArea	VB::String	public	1	
GreatLakeName	VB::String	public	1	
GMapLayer	VB::String	public	1	
GSource	VB::String	public	1	
GDescription	VB::String	public	1	
GLayerDate	VB::String	public	1	
GCellSize	VB::String	public	1	
GCellUnits	VB::String	public	1	
GVUnits	VB::String	public	1	
GVDatum	VB::String	public	1	
GOtherDatum	VB::String	public	1	
FMapLayer	VB::String	public	1	
FSource	VB::String	public	1	
FDescription	VB::String	public	1	
FPanel	VB::String	public	1	
FCommunity	VB::String	public	1	
FEffDate	VB::String	public	1	
FVUnits	VB::String	public	1	
FVDatum	VB::String	public	1	
FOtherDatum	VB::String	public	1	
FRefElev	VB::String	public	1	
BMapLayer	VB::String	public	1	
BSource	VB::String	public	1	
BDescription	VB::String	public	1	
BPanel	VB::String	public	1	
BCommunity	VB::String	public	1	
BEffDate	VB::String	public	1	
ElevGrids	VB::String	public	1	
DepthGrids	VB::String	public	1	
InterpolatedGrids	VB::String	public	1	
SECTION1	<unspecified>	private	1	"GENERAL INFORMATION"
KEY_MERGE_RESULT	<unspecified>	private	1	"MERGE_RESULT"
KEY_FIT_VERSION	<unspecified>	private	1	"FIT_VERSION"
KEY_HAZARD_TYPE	<unspecified>	private	1	"HAZARD_TYPE"
KEY_WORK_DIRECTORY	<unspecified>	private	1	"WORK_DIRECTORY"
KEY_BASIN_NAME	<unspecified>	private	1	"BASIN_NAME"
KEY_REACH_NAME	<unspecified>	private	1	"REACH_NAME"

Classification: CProjInfo Attributes (Continued)

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strPath	VB::String	public	1	
MergeResult	VB::String	public	1	
FITVersion	VB::String	public	1	
HazardType	VB::String	public	1	
WorkDir	VB::String	public	1	
BasinName	VB::String	public	1	
ReachName	VB::String	public	1	
AnalystName	VB::String	public	1	
AnalysisDate	VB::String	public	1	
StudyArea	VB::String	public	1	
GreatLakeName	VB::String	public	1	
GMapLayer	VB::String	public	1	
GSource	VB::String	public	1	
GDescription	VB::String	public	1	
GLayerDate	VB::String	public	1	
GCellSize	VB::String	public	1	
GCellUnits	VB::String	public	1	
GVUnits	VB::String	public	1	
GVDatum	VB::String	public	1	
GOtherDatum	VB::String	public	1	
FMapLayer	VB::String	public	1	
FSource	VB::String	public	1	
FDescription	VB::String	public	1	
FPanel	VB::String	public	1	
FCommunity	VB::String	public	1	
FEffDate	VB::String	public	1	
FVUnits	VB::String	public	1	
FVDatum	VB::String	public	1	
FOtherDatum	VB::String	public	1	
FRefElev	VB::String	public	1	
BMapLayer	VB::String	public	1	
BSource	VB::String	public	1	
BDescription	VB::String	public	1	
BPanel	VB::String	public	1	
BCommunity	VB::String	public	1	
BEffDate	VB::String	public	1	
ElevGrids	VB::String	public	1	
DepthGrids	VB::String	public	1	
InterpolatedGrids	VB::String	public	1	
SECTION1	<unspecified>	private	1	"GENERAL INFORMATION"
KEY_MERGE_RESULT	<unspecified>	private	1	"MERGE_RESULT"
KEY_FIT_VERSION	<unspecified>	private	1	"FIT_VERSION"
KEY_HAZARD_TYPE	<unspecified>	private	1	"HAZARD_TYPE"
KEY_WORK_DIRECTORY	<unspecified>	private	1	"WORK_DIRECTORY"
KEY_BASIN_NAME	<unspecified>	private	1	"BASIN_NAME"
KEY_REACH_NAME	<unspecified>	private	1	"REACH_NAME"

Classification: CProjSetup

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pExtensionConfig	esriSystem::IExtensionConfig	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Terminate	<None>	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance

Classification: CQPair

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strReturnPeriod	VB::String	private	1	
m_strQField	VB::String	private	1	
m_strKey	VB::String	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
get_ReturnPeriod	VB::String	public	☐	instance
let_ReturnPeriod	<None>	public	☐	instance
get_QField	VB::String	public	☐	instance
let_QField	<None>	public	☐	instance
get_Key	VB::String	public	☐	instance
let_Key	<None>	public	☐	instance

Classification: CQPairs

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_QPairs	External Classes::Collection	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Initialize	<None>	private	☐	instance
Class_Terminate	<None>	private	☐	instance
NextKey	VB::String	private	☐	instance
Add	<None>	public	☐	instance
Remove	<None>	public	☐	instance
CollectionItem	FIT::CQPair	public	☐	instance
get_Count	External Classes::Variant	public	☐	instance
NewEnum	<None>	public	☐	instance

Classification: CRivFrequency

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pExtensionConfig	esriSystem::IExtensionConfig	private	1	

Classification: CShoreWizard

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pExtensionConfig	esriSystem::IExtensionConfig	private	1	
c_password	<unspecified>	private	1	"password"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Terminate	<None>	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance

Classification: CStormErosion

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pExtensionConfig	esriSystem::IExtensionConfig	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Terminate	<None>	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance

Classification: CToken

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
lngIndex	VB::Long	private	1	
strDelim	VB::String	private	1	
strToken	VB::String	private	1	
strThisString	VB::String	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Initialize	<None>	private	☐	instance
Init	<None>	public	☐	instance
NextToken	VB::String	public	☐	instance
EOF	VB::Boolean	public	☐	instance
SkipTo	VB::String	public	☐	instance

Classification: CToolDrawLine

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pBitmap	External Classes::IPictureDisp	private	1	
m_pCursor	External Classes::IPictureDisp	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_pScreenDisplay	esriDisplay::IScreenDisplay	private	1	
m_pNewLineFeedback	esriDisplay::INewLineFeedback	private	1	
m_pStatusBar	esriSystem::IStatusBar	private	1	
m_pExtensionConfig	esriSystem::IExtensionConfig	private	1	
m_strLineType	VB::String	private	1	
m_strUpLimit	VB::String	private	1	"UpLimit"
m_strDownLimit	VB::String	private	1	"DownLimit"
m_strTempFIT	VB::String	private	1	"TempFIT"
m_strOriginalSPRef	VB::String	private	1	"OriginalSPRef"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Initialize	<None>	private	☐	instance
Class_Terminate	<None>	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance
get_ITool_Cursor	esriSystem::OLE_HANDLE	private	☐	instance
ITool_Deactivate	VB::Boolean	private	☐	instance
ITool_OnContextMenu	VB::Boolean	private	☐	instance
ITool_OnDblClick	<None>	private	☐	instance
ITool_OnKeyDown	<None>	private	☐	instance
ITool_OnKeyUp	<None>	private	☐	instance
ITool_OnMouseDown	<None>	private	☐	instance
ITool_OnMouseMove	<None>	private	☐	instance
ITool_OnMouseUp	<None>	private	☐	instance
ITool_Refresh	<None>	private	☐	instance
MouseDownColor	esriDisplay::IRgbColor	private	☐	instance
DisableDrawTool	<None>	private	☐	instance
ValidateLimits	VB::Boolean	private	☐	instance

Classification: CToolDrawPoint

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pBitmap	External Classes::IPictureDisp	private	1	
m_pCursor	External Classes::IPictureDisp	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_pActiveView	esriCarto::IActiveView	private	1	
m_pScreenDisplay	esriDisplay::IScreenDisplay	private	1	
m_pStatusBar	esriSystem::IStatusBar	private	1	
m_pExtensionConfig	esriSystem::IExtensionConfig	private	1	
m_strPointType	VB::String	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Initialize	<None>	private	☐	instance
Class_Terminate	<None>	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance
get_ITool_Cursor	esriSystem::OLE_HANDLE	private	☐	instance
ITool_Deactivate	VB::Boolean	private	☐	instance
ITool_OnContextMenu	VB::Boolean	private	☐	instance
ITool_OnDblClick	<None>	private	☐	instance
ITool_OnKeyDown	<None>	private	☐	instance
ITool_OnKeyUp	<None>	private	☐	instance
ITool_OnMouseDown	<None>	private	☐	instance
ITool_OnMouseMove	<None>	private	☐	instance
ITool_OnMouseUp	<None>	private	☐	instance
ITool_Refresh	<None>	private	☐	instance

Classification: CToolDrawPolygon

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pBitmap	External Classes::IPictureDisp	private	1	
m_pCursor	External Classes::IPictureDisp	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_pActiveView	esriCarto::IActiveView	private	1	
m_pScreenDisplay	esriDisplay::IScreenDisplay	private	1	
m_pNewPolygonFeedback	esriDisplay::INewPolygonFeedback	private	1	
m_pExtensionConfig	esriSystem::IExtensionConfig	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Initialize	<None>	private	☐	instance
Class_Terminate	<None>	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance
get_ITool_Cursor	esriSystem::OLE_HANDLE	private	☐	instance
ITool_Deactivate	VB::Boolean	private	☐	instance
ITool_OnContextMenu	VB::Boolean	private	☐	instance
ITool_OnDblClick	<None>	private	☐	instance
ITool_OnKeyDown	<None>	private	☐	instance
ITool_OnKeyUp	<None>	private	☐	instance
ITool_OnMouseDown	<None>	private	☐	instance
ITool_OnMouseMove	<None>	private	☐	instance
ITool_OnMouseUp	<None>	private	☐	instance
ITool_Refresh	<None>	private	☐	instance

Classification: CToolSelectGraphics

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pBitmap	External Classes::IPictureDisp	private	1	
m_pCursor	External Classes::IPictureDisp	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_pActiveView	esriCarto::IActiveView	private	1	
m_pScreenDisplay	esriDisplay::IScreenDisplay	private	1	
m_pNewEnvelopeFeedback	esriDisplay::INewEnvelopeFeedback	private	1	
m_pPoint	esriGeometry::IPoint	private	1	
m_pExtensionConfig	esriSystem::IExtensionConfig	private	1	
m_blnMouseDown	VB::Boolean	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Initialize	<None>	private	☐	instance
Class_Terminate	<None>	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance
get_ITool_Cursor	esriSystem::OLE_HANDLE	private	☐	instance
ITool_Deactivate	VB::Boolean	private	☐	instance
ITool_OnContextMenu	VB::Boolean	private	☐	instance
ITool_OnDblClick	<None>	private	☐	instance
ITool_OnKeyDown	<None>	private	☐	instance
ITool_OnKeyUp	<None>	private	☐	instance
ITool_OnMouseDown	<None>	private	☐	instance
ITool_OnMouseMove	<None>	private	☐	instance
ITool_OnMouseUp	<None>	private	☐	instance
ITool_Refresh	<None>	private	☐	instance
GetSearchTolerance	VB::Double	private	☐	instance

Classification: CToolbar

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
get_IToolBarDef_Caption	VB::String	private	☐	instance
get_IToolBarDef_ItemCount	VB::Long	private	☐	instance
IToolBarDef_GetItemInfo	<None>	private	☐	instance
get_IToolBarDef_Name	VB::String	private	☐	instance

Classification: CTransects

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pExtensionConfig	esriSystem::IExtensionConfig	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Terminate	<None>	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance

Classification: MyTypes

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
gknMAXFILTS	<unspecified>	public	1	3
gknMAXSORTS	<unspecified>	public	1	3

Classification: WinConsts

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
WM_USER	<unspecified>	public	1	&H400
EM_SETTABSTOPS	<unspecified>	public	1	(WM_USER + 27)
EM_SETREADONLY	<unspecified>	public	1	(WM_USER + 31)
WM_SETREDRAW	<unspecified>	public	1	&HB
SWP_NOMOVE	<unspecified>	public	1	2
SWP_NOSIZE	<unspecified>	public	1	1
SWP_FLAGS	<unspecified>	public	1	SWP_NOMOVE Or SWP_NOSIZE
HWND_TOPMOST	<unspecified>	public	1	-1
HWND_NOTOPMOST	<unspecified>	public	1	-2
HWND_TOP	<unspecified>	public	1	0
SWP_NOACTIVATE	<unspecified>	public	1	&H10
SWP_SHOWWINDOW	<unspecified>	public	1	&H40

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
SetMouse	<None>	public	☐	instance
WindowSizeInit	<None>	public	☐	instance
WindowSizeSave	<None>	public	☐	instance

Classification: frmAbout

Attributes:

Attribute	Type	Visibility	ultiplicit	Init. Value
READ_CONTROL	<unspecified>	private	1	&H20000
KEY_QUERY_VALUE	<unspecified>	private	1	&H1
KEY_SET_VALUE	<unspecified>	private	1	&H2
KEY_CREATE_SUB_KEY	<unspecified>	private	1	&H4
KEY_ENUMERATE_SUB_KEYS	<unspecified>	private	1	&H8
KEY_NOTIFY	<unspecified>	private	1	&H10
KEY_CREATE_LINK	<unspecified>	private	1	&H20
KEY_ALL_ACCESS	<unspecified>	private	1	KEY_QUERY_VALUE + KEY_SET_VALUE + KEY_CREATE_SUB_KEY + ...
HKEY_LOCAL_MACHINE	<unspecified>	private	1	&H80000002
ERROR_SUCCESS	<unspecified>	private	1	0
REG_SZ	<unspecified>	private	1	1
REG_DWORD	<unspecified>	private	1	4
gREGKEYSYSINFOLOC	<unspecified>	private	1	"SOFTWARE\Microsoft\Shared Tools Location"
gHAZUSVERSIONKEY	<unspecified>	private	1	"SOFTWARE\FEMA\HAZUS-MH\General"
gHAZUSVERSIONVAL	<unspecified>	private	1	"Version"
gREGVALSYSINFOLOC	<unspecified>	private	1	"MSINFO"
gREGKEYSYSINFO	<unspecified>	private	1	"SOFTWARE\Microsoft\Shared Tools\MSINFO"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
cmdSysInfo_Click	<None>	private	☐	instance
cmdOK_Click	<None>	private	☐	instance
Form_Load	<None>	private	☐	instance
StartSysInfo	<None>	public	☐	instance
GetKeyValue	VB::Boolean	public	☐	instance

Classification: frmBackwater

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_pIntersections	esriGeometry::IPolyline	private	1	
m_pFilter	esriFramework::ICustomizationFilter	private	1	
m_pMasterSpatialRef	esriGeometry::ISpatialReference	private	1	
m_pFrame	esriFramework::IModelessFrame	private	1	
m_blnCancelled	VB::Boolean	private	1	
m_blnFilterError	VB::Boolean	private	1	
m_blnAddedPolygon	VB::Boolean	private	1	
m_strMaxReturnPeriod	VB::String	private	1	
c_password	<unspecified>	private	1	"password"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Frame	esriFramework::IModelessF...	public	☐	instance
set_AppName	<None>	public	☐	instance
cmdAccept_Click	<None>	private	☐	instance
cmdCancel_Click	<None>	private	☐	instance
cmdClear_Click	<None>	private	☐	instance
cmdDraw_Click	<None>	private	☐	instance
cmdOK_Click	<None>	private	☐	instance
cmdSave_Click	<None>	private	☐	instance
Form_Activate	<None>	private	☐	instance
Form_Load	<None>	private	☐	instance
Form_Unload	<None>	private	☐	instance
EnableDrawFrame	<None>	private	☐	instance
DisplayBackwaterElevations	<None>	private	☐	instance
RestoreGUI	<None>	private	☐	instance
ShowBackwaterLayer	<None>	private	☐	instance
EnableFrequencyMenu	<None>	private	☐	instance
RestoreDialog	<None>	private	☐	instance

Classification: frmBuffer

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_pActiveView	esriCarto::IActiveView	private	1	
m_pFilter	esriFramework::ICustomizationFilter	private	1	
m_pFeatureSelection	esriCarto::IFeatureSelection	private	1	
m_pFrame	esriFramework::IModelessFrame	private	1	
m_intCounter	VB::Integer	private	1	
m_dblBuffer	VB::Double	private	1	
m_blnPrevious	VB::Boolean	private	1	
m_blnInit	VB::Boolean	private	1	
m_blnCancelled	VB::Boolean	private	1	
m_dblCellSize	VB::Double	private	1	
m_blnFilterError	VB::Boolean	private	1	
c_password	<unspecified>	private	1	"password"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Frame	esriFramework::IModelessFrame	public	☐	instance
set_AppName	<None>	public	☐	instance
let_BufferCount	<None>	public	☐	instance
cmdBack_Click	<None>	private	☐	instance
cmdCancel_Click	<None>	private	☐	instance
cmdDecrease_Click	<None>	private	☐	instance
cmdIncrease_Click	<None>	private	☐	instance
cmdNext_Click	<None>	private	☐	instance
cmdReset_Click	<None>	private	☐	instance
Form_Activate	<None>	private	☐	instance
Form_Load	<None>	private	☐	instance
Form_Unload	<None>	private	☐	instance
StartBuffer	<None>	private	☐	instance
ChangeBuffer	<None>	private	☐	instance

Classification: frmCoastFreq

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_blnCancelled	VB::Boolean	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
set_AppName	<None>	public	☐	instance
cmdAdd_Click	<None>	private	☐	instance
cmdCancel_Click	<None>	private	☐	instance
cmdOK_Click	<None>	private	☐	instance
cmdRemove_Click	<None>	private	☐	instance
Form_Load	<None>	private	☐	instance
Form_Unload	<None>	private	☐	instance
ValidateReturnPeriod	VB::Boolean	private	☐	instance
SortListBox	<None>	private	☐	instance
RestoreGUI	<None>	private	☐	instance

Classification: frmCoastalFields

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strCurrentModule	VB::String	private	1	"frmCo...
m_pApp	esriFramework::IApplication	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_blnCancelled	VB::Boolean	private	1	
m_intIndexofAOZoneListbox	VB::Integer	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
set_AppName	<None>	public	☐	instance
cmdCancel_Click	<None>	private	☐	instance
cmdOK_Click	<None>	private	☐	instance
Form_Activate	<None>	private	☐	instance
Form_Load	<None>	private	☐	instance
Form_Unload	<None>	private	☐	instance
InitializeListBoxes	<None>	private	☐	instance
ValidInput	VB::Boolean	private	☐	instance
PolygonFClass	esriGeoDatabase::IFeatureClass	private	☐	instance
RestoreGUI	<None>	private	☐	instance
lstAODepth_Click	<None>	private	☐	instance
ClipPolygonFClass	esriGeoDatabase::IFeatureClass	private	☐	instance
ClippingDEM	<None>	private	☐	instance

Classification: frmDictionary

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
lstFieldMap_Click	<None>	private	☐	instance

Classification: frmLimits

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_pFilter	esriFramework::ICustomizationFilter	private	1	
m_pFrame	esriFramework::IModelessFrame	private	1	
m_blnUpLimit	VB::Boolean	private	1	
m_blnDownLimit	VB::Boolean	private	1	
m_blnCancelled	VB::Boolean	private	1	
m_blnUnload	VB::Boolean	private	1	
m_blnFilterError	VB::Boolean	private	1	
c_password	VB::String	private	1	"password"

Classification: frmMapFields

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Frame	esriFramework::IModelessFrame	public	☐	instance
set_AppName	<None>	public	☐	instance
let_UpstreamLimit	<None>	public	☐	instance
let_DownstreamLimit	<None>	public	☐	instance
cmdCancel_Click	<None>	private	☐	instance
cmdClear_Click	<None>	private	☐	instance
cmdEnact_Click	<None>	private	☐	instance
cmdNext_Click	<None>	private	☐	instance
Form_Activate	<None>	private	☐	instance
Form_Load	<None>	private	☐	instance
Form_Unload	<None>	private	☐	instance
EnableLimitsNextButton	<None>	public	☐	instance
LimitsTest	VB::Boolean	private	☐	instance
RestoreGUI	<None>	private	☐	instance
ValidateInput	VB::Boolean	private	☐	instance

Classification: frmMergeProjects

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_pActiveView	esriCarto::IActiveView	private	1	
m_intBufferNumber	VB::Integer	private	1	
m_dblBuffer	VB::Double	private	1	
m_blnCancelled	VB::Boolean	private	1	
m_blnLayerInFrame	VB::Boolean	private	1	
m_pFeatureSelection	esriCarto::IFeatureSelection	private	1	
m_ReturnPeriods	External Classes::Collection	private	1	
m_pMasterSpatialRef	esriGeometry::ISpatialReference	private	1	
LB_SETTABSTOPS	<unspecified>	private	1	&H192
c_password	<unspecified>	private	1	"password"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
set_AppName	<None>	public	☐	instance
let_BufferNumber	<None>	public	☐	instance
let_BufferSize	<None>	public	☐	instance
cmdAdd_Click	<None>	private	☐	instance
cmdBack_Click	<None>	private	☐	instance
cmdCancel_Click	<None>	private	☐	instance
cmdFinish_Click	<None>	private	☐	instance
cmdRemove_Click	<None>	private	☐	instance
Form_Activate	<None>	private	☐	instance
Form_Load	<None>	private	☐	instance
SetTabStops	<None>	private	☐	instance
Form_Unload	<None>	private	☐	instance
lstElevation_Click	<None>	private	☐	instance
InitializeListBoxes	<None>	private	☐	instance
ValidInput	VB::Boolean	private	☐	instance
ProcessFieldMapping	<None>	private	☐	instance
EnableFinishButton	<None>	private	☐	instance
EnableRiverineMenuItems	<None>	private	☐	instance
RestoreGUI	<None>	private	☐	instance

Classification: frmProjSetup

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_pMap	esriCarto::IMap	private	1	
m_pLayer	esriCarto::ILayer	private	1	
m_pExtent	esriGeometry::IEnvelope2	private	1	
m_strLayerName	VB::String	private	1	
m_strWorkDir	VB::String	private	1	
m_blnUnload	VB::Boolean	private	1	
m_blnINIExists	VB::Boolean	private	1	
m_blnFormVisible	VB::Boolean	private	1	
m_dblCellSize	VB::Double	private	1	
m_strCurrentModule	VB::String	private	1	"frmProjSetup - "
m_strTempFIT	VB::String	private	1	"TempFIT"
m_strOriginalSPRef	VB::String	private	1	"OriginalSPRef"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
set_AppName	<None>	public	☐	instance
cboBMapLayer_Click	<None>	private	☐	instance
cboBSource_Click	<None>	private	☐	instance
cboFMapLayer_Click	<None>	private	☐	instance
cboFSource_Click	<None>	private	☐	instance
cboFVDatum_Click	<None>	private	☐	instance
cboGMapLayer_Click	<None>	private	☐	instance
cboGVDatum_Click	<None>	private	☐	instance
cboStudyArea_Click	<None>	private	☐	instance
cboGreatLakes_Click	<None>	private	☐	instance
cmdBrowse_Click	<None>	private	☐	instance
cmdCancel_Click	<None>	private	☐	instance
cmdClear_Click	<None>	private	☐	instance
cmdOK_Click	<None>	private	☐	instance
Form_Load	<None>	private	☐	instance
Form_Unload	<None>	private	☐	instance
optCoastal_Click	<None>	private	☐	instance
optRiverine_Click	<None>	private	☐	instance
SetUpControls	<None>	private	☐	instance
ValidatePath	VB::Boolean	private	☐	instance
ValidateInput	VB::Boolean	private	☐	instance
DisableCommands	<None>	private	☐	instance
PopulateControls	<None>	private	☐	instance
ValidateStudyAreaPolygon	VB::Boolean	private	☐	instance
EnableControls	<None>	private	☐	instance

Classification: frmRivFreq

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_blnCancelled	VB::Boolean	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
set_AppName	<None>	public	☐	instance
cmdCancel_Click	<None>	private	☐	instance
cmdOK_Click	<None>	private	☐	instance
Form_Load	<None>	private	☐	instance
Form_Unload	<None>	private	☐	instance
ValidateReturnPeriod	VB::Boolean	private	☐	instance
RestoreGUI	<None>	private	☐	instance

Classification: frmShoreSegments

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_pActiveView	esriCarto::IActiveView	private	1	
m_pFilter	esriFramework::ICustomizationFilter	private	1	
m_pFrame	esriFramework::IModelessFrame	private	1	
m_blnInit	VB::Boolean	private	1	
m_blnCancelled	VB::Boolean	private	1	
m_blnFilterError	VB::Boolean	private	1	
c_password	<unspecified>	private	1	"password"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Frame	esriFramework::IModelessFrame	public	☐	instance
cmdBack_Click	<None>	private	☐	instance
cmdCancel_Click	<None>	private	☐	instance
cmdClear_Click	<None>	private	☐	instance
cmdDraw_Click	<None>	private	☐	instance
cmdNext_Click	<None>	private	☐	instance
cmdSwitch_Click	<None>	private	☐	instance
Form_Activate	<None>	private	☐	instance
Form_Load	<None>	private	☐	instance
set_AppName	<None>	public	☐	instance
Form_Unload	<None>	private	☐	instance

Classification: frmShoreTypes

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_pFeatureSelection	esriCarto::IFeatureSelection	private	1	
m_blnCancelled	VB::Boolean	private	1	
m_blnPrevious	VB::Boolean	private	1	
m_intNumofSegments	VB::Integer	private	1	
m_intSegmentNumber	VB::Integer	private	1	
m_strType( )	VB::String	private	1	
m_strName( )	VB::String	private	1	
m_strWaves( )	VB::String	private	1	
m_strProtectionLevel( )	VB::String	private	1	
m_str10yr( )	VB::String	private	1	
m_str50yr( )	VB::String	private	1	
m_str100yr( )	VB::String	private	1	
m_str500yr( )	VB::String	private	1	
m_strSetup( )	VB::String	private	1	
m_strWaveSetup( )	VB::String	private	1	
m_strSource( )	VB::String	private	1	
m_strDatum( )	VB::String	private	1	
m_strOtherDatum( )	VB::String	private	1	
c_password	<unspecified>	private	1	"password"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
set_AppName	<None>	public	☐	instance
cboDatum_Click	<None>	private	☐	instance
cboDatum_LostFocus	<None>	private	☐	instance
cboType_Click	<None>	private	☐	instance
cboType_LostFocus	<None>	private	☐	instance
cmdApply_Click	<None>	private	☐	instance
cmdBack_Click	<None>	private	☐	instance
cmdCancel_Click	<None>	private	☐	instance
cmdFinish_Click	<None>	private	☐	instance
cmdSegment_Click	<None>	private	☐	instance
Form_Load	<None>	private	☐	instance
Form_Unload	<None>	private	☐	instance
ChangeSegment	<None>	private	☐	instance
SaveControls	<None>	private	☐	instance
HydrateControls	<None>	private	☐	instance
ValidateSegments	VB::Boolean	private	☐	instance
ValidateNumber	VB::Boolean	private	☐	instance
optNo_LostFocus	<None>	private	☐	instance
optSetup_Click	<None>	private	☐	instance
optSetup_LostFocus	<None>	private	☐	instance
optYes_LostFocus	<None>	private	☐	instance
txt10_LostFocus	<None>	private	☐	instance
txt100_LostFocus	<None>	private	☐	instance
txt50_LostFocus	<None>	private	☐	instance
txt500_LostFocus	<None>	private	☐	instance
txtName_LostFocus	<None>	private	☐	instance
txtOtherDatum_LostFocus	<None>	private	☐	instance
txtProtection_LostFocus	<None>	private	☐	instance
txtSetup_LostFocus	<None>	private	☐	instance
txtSource_LostFocus	<None>	private	☐	instance
CalculateSWELs	<None>	private	☐	instance
WriteTransectValues	<None>	private	☐	instance

Classification: frmShoreline

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_pFilter	esriFramework::ICustomizationFilter	private	1	
m_pFrame	esriFramework::IModelessFrame	private	1	
m_blnCancelled	VB::Boolean	private	1	
m_blnUnload	VB::Boolean	private	1	
m_blnEnableNext	VB::Boolean	private	1	
m_blnFilterError	VB::Boolean	private	1	
c_password	<unspecified>	private	1	"password"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Frame	esriFramework::IModelessFrame	public	☐	instance
set_AppName	<None>	public	☐	instance
let_EnableNextButton	<None>	public	☐	instance
cmdCancel_Click	<None>	private	☐	instance
cmdClear_Click	<None>	private	☐	instance
cmdDraw_Click	<None>	private	☐	instance
cmdNext_Click	<None>	private	☐	instance
Form_Activate	<None>	private	☐	instance
Form_Load	<None>	private	☐	instance
Form_Unload	<None>	private	☐	instance
EnableShorelineNextButton	<None>	public	☐	instance

Classification: frmStormErosion

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_pFilter	esriFramework::ICustomizationFilter	private	1	
m_pFeatureClass	esriGeoDatabase::IFeatureClass	private	1	
m_pQueryFilter	esriGeoDatabase::IQueryFilter	private	1	
m_pMaps	esriCarto::IMaps	private	1	
m_pOriginalMap	esriCarto::IMap	private	1	
m_pErosionMap	esriCarto::IMap	private	1	
m_pZoomExtent	esriGeometry::IEnvelope2	private	1	
m_pUID	esriSystem::UID	private	1	
m_pExtension	FIT::CExtension	private	1	
m_pFrame	esriFramework::IModelessFrame	private	1	
m_blnCancelled	VB::Boolean	private	1	
m_lngSegmentNumber	VB::Long	private	1	
m_lngTransectNumber	VB::Long	private	1	
m_lngCurrentSegment	VB::Long	private	1	
m_lngCurrentTransect	VB::Long	private	1	
m_strPath	VB::String	private	1	
m_dblMetersPerUnit	VB::Double	private	1	
m_strPointType	VB::String	private	1	
m_dblPeakElevs( )	VB::Double	private	1	
m_lngTransectOID	VB::Long	private	1	
m_blnFilterError	VB::Boolean	private	1	
c_password	<unspecified>	private	1	"password"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Frame	esriFramework::IModelessFrame	public	☐	instance
cmdApply_Click	<None>	private	☐	instance
cmdCancel_Click	<None>	private	☐	instance
cmdDrawPeak_Click	<None>	private	☐	instance
cmdDrawToe_Click	<None>	private	☐	instance
cmdOK_Click	<None>	private	☐	instance
cmdSegmentDecrease_Click	<None>	private	☐	instance
cmdSegmentIncrease_Click	<None>	private	☐	instance
cmdTransectDecrease_Click	<None>	private	☐	instance
cmdTransectIncrease_Click	<None>	private	☐	instance
Form_Activate	<None>	private	☐	instance
Form_Load	<None>	private	☐	instance
set_AppName	<None>	public	☐	instance
Form_Unload	<None>	private	☐	instance
optDrawToe_Click	<None>	private	☐	instance
optUseSWEL_Click	<None>	private	☐	instance
TotalSegments	<None>	private	☐	instance
TotalTransects	<None>	private	☐	instance
ChangeSegment	<None>	private	☐	instance
ChangeTransect	<None>	private	☐	instance
InitializeVariables	<None>	private	☐	instance
ErodibleSegment	VB::Boolean	private	☐	instance
ShowOverviewWindow	<None>	private	☐	instance

Classification: frmTransects

Attributes:

Attribute	Type	Visibility	ultiplicit	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_pActiveView	esriCarto::IActiveView	private	1	
m_pFeatureSelection	esriCarto::IFeatureSelection	private	1	
m_pFilter	esriFramework::ICustomizationFilter	private	1	
m_pOriginalExtent	esriGeometry::IEnvelope2	private	1	
m_pFrame	esriFramework::IModelessFrame	private	1	
m_intSegmentNumber	VB::Integer	private	1	
m_intNumofSegments	VB::Integer	private	1	
m_intAddedTransects( )	VB::Integer	private	1	
m_blnSuccesfulAdd	VB::Boolean	private	1	
m_blnFilterError	VB::Boolean	private	1	
c_password	<unspecified>	private	1	"password"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Frame	esriFramework::IModelessFrame	public	☐	instance
set_AppName	<None>	public	☐	instance
get_SuccesfulAdd	VB::Boolean	public	☐	instance
let_SuccesfulAdd	<None>	public	☐	instance
Form_Activate	<None>	private	☐	instance
Form_Load	<None>	private	☐	instance
Form_Unload	<None>	private	☐	instance
cmdClear_Click	<None>	private	☐	instance
cmdSelect_Click	<None>	private	☐	instance
cmdOK_Click	<None>	private	☐	instance
cmdCancel_Click	<None>	private	☐	instance
cmdDraw_Click	<None>	private	☐	instance
cmdSegment_Click	<None>	private	☐	instance
ChangeSegment	<None>	private	☐	instance
ZoomToTransectAndShorelineLayers	<None>	private	☐	instance
RestoreGUI	<None>	private	☐	instance

Classification: modBacklines

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strTempFIT	VB::String	private	1	"TempFIT"
m_strBoundary	VB::String	private	1	"Boundary"
m_strFITResults	VB::String	private	1	"FITResults"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
SetupForBacklines	<None>	public	☐	instance
CreateBacklines	esriGeometry::IPolyline	private	☐	instance
ValidateThreshold	VB::Boolean	private	☐	instance
SaveBacklines	<None>	private	☐	instance
ShowBacklines	<None>	public	☐	instance
CreateFloodplain	<None>	public	☐	instance
DisplayFloodplain_FIT	<None>	public	☐	instance
PromoteBacklinesLayer	<None>	public	☐	instance
DeleteFloodplainBoundaries	<None>	public	☐	instance

Classification: modBackwater

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strFITResults	VB::String	private	1	"FITResults"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
BackwaterIntersections	esriGeometry::IPolyline	public	☐	instance
BackwaterElevation	VB::String	public	☐	instance
SaveBackwaterElevations	<None>	public	☐	instance
BackwaterIntersectsBackwater	<None>	private	☐	instance
BackwaterFeatureLayer	esriCarto::IFeatureLayer	public	☐	instance
BackwaterShapefile	esriGeoDatabase::IFeatureClass	public	☐	instance
MakeBackwaterShapefile	esriGeoDatabase::IFeatureClass	public	☐	instance
SetupBackwaterFields	esriGeoDatabase::IFields	private	☐	instance
UpstreamXSection	VB::Long	private	☐	instance
BackwaterRaster	<None>	public	☐	instance
MaskFeature	esriGeoDatabase::IFeature	private	☐	instance
MergeBackwaterRaster	<None>	public	☐	instance
BackwaterDepthGrid	<None>	public	☐	instance
DeleteNonBackwaterDepthGrids	<None>	public	☐	instance
DeleteCancelledBackwaterPolygons	<None>	public	☐	instance

Classification: modBuffer

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
InitialBuffer	esriGeometry::IPolygon	public	☐	instance
ClipBuffer	VB::Boolean	public	☐	instance
ExtendedLimitIntersection	VB::Boolean	private	☐	instance
ExtendedCenterline	esriGeometry::IPolyline	public	☐	instance
ProcessedLimit	esriGeometry::IPolyline	public	☐	instance
ExtendedLimit	esriGeometry::IPolyline	public	☐	instance
IntersectsBuffer	VB::Boolean	public	☐	instance
ContractedLimit	esriGeometry::IPolyline	public	☐	instance
BufferSides	<None>	public	☐	instance
BufferIslands	VB::Boolean	public	☐	instance

Classification: modCenterline

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strTempFIT	VB::String	private	1	"TempFIT"
m_strOriginalSPRef	VB::String	private	1	"OriginalSPRef"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
GetCenterline	esriGeometry::IPolyline	public	☐	instance
SetupEucSidesFields	esriGeoDatabase::IFields	private	☐	instance
AddBoundaryValues	<None>	private	☐	instance
EuclideanAllocationGrid	esriGeoDatabase::IGeoDataset	private	☐	instance
CalculateCenterline	esriGeometry::IPolyline	private	☐	instance
OrientAndClipCenterline	esriGeometry::IPolyline	private	☐	instance
MakeCenterlineShapefile	<None>	public	☐	instance
SetupCenterlineFields	esriGeoDatabase::IFields	private	☐	instance

Classification: modCoastFreq

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_NYrXingAlongs	External Classes::Collection	private	1	
m_ResPieceAreas	External Classes::Collection	private	1	
m_lngDuneTresholdReservoir	VB::Long	private	1	
m_strTempFIT	VB::String	private	1	"TempFIT"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ShoreSegmentsGrid	<None>	public	☐	instance
ErosionPoints	<None>	public	☐	instance
ErosionLines	esriGeometry::IGeometryBag	public	☐	instance
ErodibleTransect	VB::Boolean	private	☐	instance
DEMLine	esriGeometry::IPolyline	private	☐	instance
ErosionMask	<None>	public	☐	instance
RemovalLine	esriGeometry::IPolyline	private	☐	instance
RetreatHinge	<None>	private	☐	instance
RetreatLine	esriGeometry::IPolyline	private	☐	instance
ErosionFClass	esriGeoDatabase::IFeatureClass	public	☐	instance
SetupErosionPointFields	esriGeoDatabase::IFields	public	☐	instance
BuildErosionGrid	<None>	public	☐	instance
BuildDepthGrid	<None>	public	☐	instance
ZoneGrid	<None>	private	☐	instance
MergedAORaster	esriGeoDatabase::IRaster	private	☐	instance
AOReclassTable	esriGeoDatabase::ITable	private	☐	instance
ElevationRasters	<None>	private	☐	instance
InterpolatedSWEL	VB::Double	private	☐	instance
SetupAOFields	esriGeoDatabase::IFields	private	☐	instance
SetupRemapFields	esriGeoDatabase::IFields	private	☐	instance
RemapFClass	<None>	private	☐	instance
ErosionAnalysisEnv	esriGeoAnalyst::IRasterAnalysisEnvironment	private	☐	instance
ReservoirVolume	VB::Long	public	☐	instance
DuneTresholdReservoir	VB::Long	public	☐	instance
DeleteErosionPoints	<None>	public	☐	instance
WaveSetupGrid	esriGeoDatabase::IRaster	private	☐	instance
WaveSetupFeatureClass	esriGeoDatabase::IFeatureClass	private	☐	instance
CreateSegmentPolygonFCLass	esriGeoDatabase::IFeatureClass	private	☐	instance
CreateWaveSetupFeatureClass	esriGeoDatabase::IFeatureClass	private	☐	instance
WaveSetupFields	esriGeoDatabase::IFields	private	☐	instance

Classification: modCoastalFields

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CoastalElevGrid	<None>	public	☐	instance
CoastalZoneGrid	<None>	public	☐	instance
CoastalAnalysisEnv	<None>	private	☐	instance
CoastalAODepthGrid	<None>	public	☐	instance
CoastalDepthGrid	<None>	public	☐	instance
GetLandwardBoundary	esriGeometry::IPolyline	private	☐	instance

Classification: modDialog

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
FolderDialogPath	VB::String	public	☐	instance
ValidPath	VB::Boolean	public	☐	instance

Classification: modErosion

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
c_LandwardLength	<unspecified>	private	1	152.4
m_dblOriginAlong	VB::Double	private	1	
m_dblEndAlong	VB::Double	private	1	
m_dblMaxElev	VB::Double	private	1	
m_lngCurrentTransect	VB::Long	private	1	
m_dblYAxisScaleRatio	VB::Double	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ScaleTransect	<None>	public	☐	instance
ShowAxisValues	<None>	private	☐	instance
ShowXAxis	<None>	public	☐	instance
ShowDefaultToe	<None>	public	☐	instance
ShowToePeakSWEL	<None>	private	☐	instance
ValidDunePoint	VB::Boolean	public	☐	instance
SavePointLocation	<None>	public	☐	instance
CurrentTransectFeature	esriGeoDatabase::IFeature	public	☐	instance

Classification: modFITCommon

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strCurrentModule	VB::String	private	1	"modFITCommon - "
m_strFolder	VB::String	private	1	"FOLDER"
m_strPersonalGDB	VB::String	private	1	"PERSONAL GEODATABASE"
m_strFITResults	VB::String	private	1	"FITResults"
m_strTempFIT	VB::String	private	1	"TempFIT"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
RemoveInteriorRings	esriGeometry::IPolygon	public	☐	instance
FloodplainValidation	VB::Boolean	public	☐	instance
LimitValidation	VB::Boolean	public	☐	instance
LimitValidation2	VB::Boolean	public	☐	instance
GetBoundsAndEnds	VB::Boolean	public	☐	instance
BuildFloodplainPolygon	esriGeometry::IPolygon	public	☐	instance
RemoveSegmentsOfPolylineWithinPolygon	esriGeometry::IPolyline	public	☐	instance
LayerSpatialRef	esriGeometry::ISpatialReference	public	☐	instance
GeographicProjNAD83	esriGeometry::ISpatialReference	public	☐	instance
GeographicProjNAD27	esriGeometry::ISpatialReference	public	☐	instance
GeographicProjWGS84	esriGeometry::ISpatialReference	public	☐	instance
UTMProjection_FIT	esriGeometry::ISpatialReference	public	☐	instance
SetFocusMapProjection_FIT	<None>	public	☐	instance
CreateUnknownSpatialRef_FIT	esriGeometry::ISpatialReference	public	☐	instance
MasterSpatialRef	esriGeometry::ISpatialReference	public	☐	instance
CenterTheFrame	<None>	public	☐	instance
InvalidCharacters	VB::Boolean	public	☐	instance
SortedIntegerList	External Classes::Collection	public	☐	instance
DeletePreviousData	<None>	public	☐	instance
CreateFIT_GDBs	<None>	public	☐	instance
MakeFeatureDatasets	<None>	private	☐	instance
FinalCleanUp	<None>	public	☐	instance
MetersPerUnit_FIT	VB::Double	public	☐	instance
GetSpatialAnalystSettings	External Classes::IRasterAnalysisE...	public	☐	instance
GetDEMDataset	esriGeoDatabase::IRasterDataset	public	☐	instance
DeleteGridFolders	<None>	public	☐	instance
CleanupTempRasters	<None>	public	☐	instance
FindLayerByName_FIT	esriCarto::ILayer	public	☐	instance
CheckForLayers	VB::Boolean	public	☐	instance
DeleteLayer_FIT	<None>	public	☐	instance
FloodElevLayer	VB::Boolean	public	☐	instance
PolygonLayer	VB::Boolean	public	☐	instance
DEMLayer	VB::Boolean	public	☐	instance
FindRLayerByDataset	esriCarto::IRasterLayer	public	☐	instance
VerifyFeatureLayer	VB::Boolean	public	☐	instance
DeleteLayer2	<None>	public	☐	instance
SelectedFeaturesCount	VB::Long	public	☐	instance
AttributeTableRows	VB::Long	public	☐	instance
GetGeometryObject	esriGeometry::IPolygon	public	☐	instance
VerifyFile	VB::Boolean	public	☐	instance
ShapefileExists	VB::Boolean	public	☐	instance
VerifyWorkDirectory	VB::Boolean	public	☐	instance
VerifyCoastalFClass	VB::Boolean	public	☐	instance
VerifyFITFeatureClass	VB::Boolean	public	☐	instance
ProjectGDBFClassToGDBFeatDS	<None>	public	☐	instance

Classification: modFloodGrid

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
InterpolateGridPoints	<None>	public	☐	instance
SetupPointGridFields	esriGeoDatabase::IFields	private	☐	instance
GetClippedBufferPolyline	esriGeometry::IPolyline	private	☐	instance
CalculatePointLocation	<None>	private	☐	instance
FieldIndex	VB::Integer	private	☐	instance
RiverineHazardGrids	<None>	public	☐	instance
DisplayDepthGrid_FIT	<None>	public	☐	instance
SetAnalysisEnvironment	esriGeoAnalyst::IRasterAnalysisEnvironment	public	☐	instance
CreateRasterMask	esriGeoDatabase::IGeoDataset	public	☐	instance
SetupMaskFields	esriGeoDatabase::IFields	public	☐	instance
MaxReturnPeriod	VB::Integer	public	☐	instance

Classification: modMergeGrids

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_blnChecksPassed	VB::Boolean	private	1	
m_ReturnPeriods	External Classes::Collection	private	1	
m_AllReturnPeriods	External Classes::Collection	private	1	
m_Paths	External Classes::Collection	private	1	
m_strHazardType	VB::String	private	1	
m_pSpatialReference	esriGeometry::ISpatialReference	private	1	
m_blnMergeOfMerge	VB::Boolean	private	1	
m_FIT_IDs	External Classes::Collection	private	1	
m_TempInterpRetPeriods	External Classes::Collection	private	1	
m_strFITResults	VB::String	private	1	"FITResults"
m_strMergePath	VB::String	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
MergeMain	<None>	public	☐	instance
CollectReturnPeriods	<None>	private	☐	instance
MergeINIfiles	<None>	private	☐	instance
MergeGrids	<None>	private	☐	instance
MergeGDBFClass	<None>	private	☐	instance
MergeBoundaries	<None>	private	☐	instance
VerifyOutputFiles	VB::Boolean	private	☐	instance
GetMinCellSize	VB::Double	private	☐	instance
VerifyGrid	VB::Boolean	private	☐	instance
SetupFields	esriGeoDatabase::IFields	private	☐	instance
OriginalFields	esriGeoDatabase::IFields	private	☐	instance
MergeFloodPts	<None>	private	☐	instance
Create_MergedFITGDBs	<None>	private	☐	instance
UTMZoneOfFITResults	VB::Integer	private	☐	instance
MakeFeatureDatasetMerge	<None>	private	☐	instance
DeleteShapefileMerge	<None>	private	☐	instance
CreateGeodatabaseMerge	<None>	private	☐	instance
CreateFeatureDatasetMerge	<None>	private	☐	instance
CreateShapefileMerge	esriGeoDatabase::IFeatureClass	private	☐	instance
GeometryToFeatureClassMerge	esriGeoDatabase::IFeatureClass	private	☐	instance
Collect_FIT_IDs	<None>	private	☐	instance
EucXSecOrigFields	esriGeoDatabase::IFields	private	☐	instance
MergeUpXSecGrids	<None>	private	☐	instance

Classification: modPowerList

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
MakePowerList	<None>	public	☐	instance
InterpolationInterval	<None>	private	☐	instance
FindExponent	VB::Double	private	☐	instance
PowerGrid	esriGeoDatabase::IRaster	private	☐	instance
BuildFrequencyGrids	<None>	private	☐	instance

Classification: modSkewGrid

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
MakeSkewList	<None>	public	☐	instance
DischargePairs	FIT::CQPairs	private	☐	instance
BestFit	VB::Double	private	☐	instance
FlipKListNegative	External Classes::Collection	public	☐	instance
LeastSquares	External Classes::Collection	private	☐	instance
LeastSquareParameters	External Classes::Collection	private	☐	instance
UpGrid	<None>	public	☐	instance

Classification: modXSections

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strTempFIT	VB::String	private	1	"TempFIT"
m_strOriginalSPRef	VB::String	private	1	"OriginalSPRef"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
SelectedXSections	VB::Integer	public	☐	instance
ExtendCrossSections	esriGeoDatabase::IFeatureCursor	public	☐	instance
SkipExtension	VB::Boolean	private	☐	instance
SortedFeatureClass	<None>	private	☐	instance
SortedCursor	esriGeoDatabase::ICursor	public	☐	instance
ExtendedXSection	esriGeometry::IPolyline	private	☐	instance
CrossSectionCount	VB::Long	public	☐	instance
CrossSectionFields	esriGeoDatabase::IFields	private	☐	instance
DeselectFloodplainPolygon	<None>	public	☐	instance
CrossSectionValidation	VB::Boolean	public	☐	instance

4.2.16 Area Weighted Damage (hzFlAnDamageFn) Library

Classification: clsAnalysisFlood

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_papp	esriFramework::IApplication	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Terminate	<None>	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance

Classification: clsAnGridInfo

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
HazardType	VB::String	public	1	
m_strPath	VB::String	public	1	
SECTION1	<unspecified>	private	1	"GENERAL INFORMATION"
KEY_HAZARD_TYPE	<unspecified>	private	1	"HAZARD_TYPE"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Init	<None>	public	☐	instance

Classification: frmprogress

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
stepfn	VB::Integer	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Form_Load	<None>	private	☐	instance
get_Step	VB::Integer	public	☐	instance
let_Step	<None>	public	☐	instance

Classification: hzFlAnDamagelauncher

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_papp	esriFramework::IApplication	private	1	
m_pMasterPaths	hzFlAnWorkFlow::ChzFlMasterPaths	private	1	
m_blnQuickLook	VB::Boolean	private	1	
m_AnalysisBits	VB::Long	private	1	
m_WhatIfBits	VB::Long	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
set_MasterPaths	<None>	public	☐	instance
let_MasterPaths	<None>	public	☐	instance
set_MasterPaths	<None>	public	☐	instance
let_MasterPaths	<None>	public	☐	instance
let_AnalysisBits	<None>	public	☐	instance
let_WhatIfBits	<None>	public	☐	instance
let_quicklook	<None>	public	☐	instance
Class_Initialize	<None>	private	☐	instance
EntryPoint	<None>	public	☐	instance

Classification: modAnalyseFlood

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
g_blnAWWorked	VB::Boolean	public	1	
m_blnIsErr	VB::Boolean	public	1	
m_papp	esriFramework::IApplication	private	1	
m_HazType	External Classes::hzFlRivCoastBoth	private	1	
m_MessageCollection	External Classes::Collection	private	1	
m_fldList( )	External Classes::Variant	private	1	
m_strRegionPath	VB::String	private	1	
m_strCon	VB::String	private	1	
m_strHazType	VB::String	private	1	
m_strRetID	VB::String	private	1	
m_strSCPath	VB::String	private	1	
m_strSCRivPath	VB::String	private	1	
m_strSCRivDepthPath	VB::String	private	1	
m_strSCCoastPath	VB::String	private	1	
m_strSCCoastDepthPath	VB::String	private	1	
m_strSCRivLeveePath	VB::String	private	1	
m_strSCVelocityPath	VB::String	private	1	
m_strSCFlowRegPath	VB::String	private	1	
m_strSCLongTermPath	VB::String	private	1	
m_strSCProtectPath	VB::String	private	1	
m_lngSCID	VB::Long	private	1	
m_lngAnalysisID	VB::Long	private	1	
m_blnQuickLook	VB::Boolean	private	1	
m_blnRiv	VB::Boolean	private	1	
m_blnCoast	VB::Boolean	private	1	
m_blnLevee	VB::Boolean	private	1	
m_blnVel	VB::Boolean	private	1	
m_blnFlowReg	VB::Boolean	private	1	
m_blnLongTerm	VB::Boolean	private	1	
m_blnShore	VB::Boolean	private	1	
m_blnCoastalSuccess	VB::Boolean	private	1	
m_blnFirstRun	VB::Boolean	private	1	
MODULE	VB::String	private	1	"modAnalyseFlood - "
STATUSMAIN	VB::String	private	1	"Area Weighted Damage Analysis"
COASTAL	VB::String	private	1	"Coastal"
RIVERINE	VB::String	private	1	"Riverine"
BNDPOLYRP	VB::String	private	1	"BoundaryPolyRP"
BNDPOLY	VB::String	private	1	"BoundaryPoly"
DIR_DEPTH	VB::String	private	1	"Depth"
DIR_FLOWREG	VB::String	private	1	"flowreg"
DIR_LONGTERM	VB::String	private	1	"lterosion"
DIR_QANAL	VB::String	private	1	"QAnalysis"
DIR_QUICK	VB::String	private	1	"Quick"

Classification: modAnalyseFlood Attributes (Continued)

DIR_SHORE	VB::String	private	1	"shoreprotect"
DIR_VEL	VB::String	private	1	"Velocity"
DS_HYDROLOGY	VB::String	private	1	"Hydrology"
FC_CENBLK	VB::String	private	1	"hzCensusBlock"
FL_AW	VB::String	private	1	"flAnAreaWeighted"
FL_RESCTRL	VB::String	private	1	"flAnResultsControl"
FL_COASTZONE	VB::String	private	1	"flAnCoastalZone"
FLD_FROM	VB::String	private	1	"FrmFld"
FLD_TO	VB::String	private	1	"ToFld"
FLD_OUT	VB::String	private	1	"OutFld"
MDB_CASEOUTPUT	VB::String	private	1	"CaseOutput"
MDB_RGNBND	VB::String	private	1	"RegionBndry"
MDB_RESULTS	VB::String	private	1	"hzFlAnResults"
MDB_TEMP	VB::String	private	1	"Temp"
RAS_BLK	VB::String	private	1	"BlkGrid"
RAS_CMBGRD	VB::String	private	1	"cmbgrdrp"
RAS_FINCMB	VB::String	private	1	"fincmb"
RAS_GRDCMB	VB::String	private	1	"GrdCmb"
RAS_RECLS	VB::String	private	1	"ReClass"
RAS_ZONEQUICK	VB::String	private	1	"zoneQuick"
TAB_BLK	VB::String	private	1	"CenBlk"
TAB_CBAREAPCT	VB::String	private	1	"CBAreaPct"
TAB_CLS	VB::String	private	1	"ClsTab"
TAB_CMBRES	VB::String	private	1	"CmbRes"
TAB_FIN	VB::String	private	1	"hzFlFin"
TAB_FJOIN	VB::String	private	1	"firstjoin"
TAB_GRDATT	VB::String	private	1	"GrdAttrib"
TAB_SJOIN	VB::String	private	1	"secondjoin"

Classification: modAW

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
MODULE	VB::String	private	1	"modAW - "
ipCoExtension	External Classes::hzCoExtensionController	private	1	
m_wfHelper	External Classes::hzFlWfHelpers	private	1	
m_strResultGDBNm	VB::String	private	1	"hzFlAnResults"
m_strComResTab	VB::String	private	1	"CmbRes"
m_strDepth	VB::String	private	1	"Depth"
m_strRegDbase	VB::String	private	1	"RegionBndry"
m_strCenBlkName	VB::String	private	1	"hzCensusBlock"
m_strVelocityTab	VB::String	private	1	"flAnVelocityZone"
m_strCoastalTab	VB::String	private	1	"flAnCoastalZone"
m_strAreaWeighted	VB::String	private	1	"flAnAreaWeighted"
m_strGrdCenBlk	VB::String	private	1	"BlkGrid"
m_strCaseOutput	VB::String	private	1	"CaseOutput.mdb"
CASE_VAR_HAS_REACHES	VB::String	private	1	"HAS_REACHES"
CASE_VAR_HAS_SHORELINES	VB::String	private	1	"HAS_SHORELINES"
CASE_VAR_HAS_RIV_FIT	VB::String	private	1	"HAS_RIV_FIT"
CASE_VAR_HAS_COAST_FIT	VB::String	private	1	"HAS_COAST_FIT"
CASE_VAR_HAS_RIV_DG	VB::String	private	1	"HAS_RIV_DG"
CASE_VAR_HAS_COAST_DG	VB::String	private	1	"HAS_COAST_DG"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
AccessRasterBand	External Classes::IRasterBand	public	☐	instance
CombineAllComRes	VB::Boolean	public	☐	instance
CombinedCoastalZone	esriGeoDatabase::IRaster	public	☐	instance
ConvertFeatureToGrid	esriGeoDatabase::IRasterDataset	public	☐	instance
ConvertZonePolyGrd	VB::Boolean	private	☐	instance
ExportRasterTable	esriGeoDatabase::ITable	public	☐	instance
ExportTab	esriGeoDatabase::ITable	public	☐	instance
OpenAccessDbase	esriGeoDatabase::ITable	private	☐	instance
CreateClassTable	esriGeoDatabase::ITable	public	☐	instance
CreateTable	esriGeoDatabase::ITable	public	☐	instance
DeleteDataSet	<None>	public	☐	instance
DoFinalJoin	VB::Boolean	public	☐	instance
ExportMDBtoMSDE	VB::Boolean	public	☐	instance
IfResultExist	VB::String	public	☐	instance
INI_FILE_Get	VB::String	public	☐	instance
INI_FILE_Get_Bool	VB::Boolean	public	☐	instance
GetPctAreaAffected	VB::Boolean	private	☐	instance
LogGPMessages	<None>	private	☐	instance
GetRasterFieldName	VB::String	public	☐	instance
GetReturnPeriod	VB::Boolean	public	☐	instance
InitCoastalTable	VB::Boolean	public	☐	instance
IntersectZone	VB::Boolean	public	☐	instance
RelQryTab	esriGeoDatabase::ITable	public	☐	instance
UpdateMSDE	VB::Boolean	public	☐	instance
WriteBuff	<None>	public	☐	instance
GetUiCoExtensionController	External Classes::hzCoExtensionController	private	☐	instance

Classification: modVelocityFlood

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strCurrentModule	<unspecified>	private	1	"modVelocityFlood - "
m_HazardType	External Classes::hzFlRivCoastBoth	private	1	
m_papp	esriFramework::IApplication	private	1	
m_MessageCollection	External Classes::Collection	private	1	
m_strConnection	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_intStudyID	VB::Long	private	1	
m_HazType	VB::String	private	1	
m_strRetID	VB::String	private	1	
m_lngAnalysisID	VB::Long	private	1	
m_StudyCasePath	VB::String	private	1	
m_StudyCaseRiverinePath	VB::String	private	1	
m_StudyCaseRiverineDepthPath	VB::String	private	1	
m_StudyCaseVelocityPath	VB::String	private	1	
m_blnValidGridExists	VB::Boolean	private	1	
m_blnQuickLook	VB::Boolean	private	1	
m_blnCoastalSuccess	VB::Boolean	private	1	
m_IsErr	VB::Boolean	public	1	
m_strGrdCombName	VB::String	private	1	"GrdCmb"
m_strResultGDBNm	VB::String	private	1	"hzFlAnResults"
m_strClassTabNm	VB::String	private	1	"ClsTab"
m_strFrmFldNm	VB::String	private	1	"FrmFld"
m_strToFldNm	VB::String	private	1	"ToFld"
m_strOutFldNm	VB::String	private	1	"OutFld"
m_strGrdReCls	VB::String	private	1	"ReClass"
m_strGrdCenBlk	VB::String	private	1	"BlkGrid"
m_strComResTable	VB::String	private	1	"CmbRes"
m_strGrdAttrTab	VB::String	private	1	"GrdAttrib"
m_strCenBlkName	VB::String	private	1	"hzCensusBlock"
m_sZoneCombine	VB::String	private	1	"cmbgrdrp"
m_sFinCombine	VB::String	private	1	"fincmb"
m_strFinalTable	VB::String	private	1	"hzFlFin"
m_strFirstJoin	VB::String	private	1	"firstjoin"
m_strSecondJoin	VB::String	private	1	"secondjoin"
m_strRegDbase	VB::String	private	1	"RegionBndry"
m_BlkTable	VB::String	private	1	"CenBlk"
m_sTitle	VB::String	private	1	"Area Weighted Damage Velocity"
m_strAreaWeighted	VB::String	private	1	"flAnAreaWeighted"
m_strControlTable	VB::String	private	1	"flAnResultsControl"
m_strVelocityTab	VB::String	private	1	"flAnVelocityZone"
m_sSource	VB::String	private	1	"hzFlAnDamageFn.modVelocityFlood"
m_CaseOutput	VB::String	private	1	"CaseOutPut.mdb"
m_strVelocity	VB::String	private	1	"Velocity"
m_DepthFolder	VB::String	private	1	"Depth"
m_strStatusMain	VB::String	private	1	"Area Weighted Damage Analysis"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
InitVelocityAnalysis	<None>	public	☐	instance
ValidateVelocityParams	VB::Boolean	private	☐	instance
ValidateVelocity	VB::Boolean	private	☐	instance
ValidateVelParms	<None>	public	☐	instance
RunVelocityCalc	VB::Boolean	private	☐	instance
RunVelocityAnalysis	<None>	public	☐	instance
DefineVelocityAnalyse	<None>	public	☐	instance

4.2.17 Agriculture (hzFlAgriAnalysis) Library

Classification: clsAnAgriCalc

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Terminate	<None>	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance

Classification: frmAnalyse

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_RegionPath	<unspecified>	private	1	"C:\Regions\"
m_StudyName	VB::String	private	1	"04_02_2003_1128_Alnc"
m_StudyID	VB::Long	private	1	4
m_AnalyseID	VB::Long	private	1	1
m_sflood	VB::String	private	1	"12-Dec"
m_wIfOptionID	VB::Long	private	1	0
m_strCon	VB::String	private	1	"Provider=SQLOLEDB.1;Initial Catalog=04_02_2003_1128_A...

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
set_AppName	<None>	public	☐	instance
cmdOK_Click	<None>	private	☐	instance

Classification: frmFloodDate

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_sFloodDate	VB::String	private	1	
m_pApp	esriFramework::IApplication	private	1	
m_masterpaths	hzFlAnWorkFlow::ChzFlMasterPaths	private	1	
m_WfHelper	External Classes::hzFlWfHelpers	private	1	
RGN_VAR_FLOOD_DATE	VB::String	private	1	"Flood_Date"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
set_App	<None>	public	☐	instance
set_WfHelper	<None>	public	☐	instance
set_MasterPaths	<None>	public	☐	instance
Form_Load	<None>	private	☐	instance
cmdOK_Click	<None>	private	☐	instance
cmdCancel_Click	<None>	private	☐	instance

Classification: hzFlAgriAnLauncher

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pCoExtension	External Classes::hzCoExtensionContro...	private	1	
m_pWfHelper	External Classes::hzFlWfHelpers	private	1	
m_strFloodDate	VB::String	private	1	
MODULE	VB::String	private	1	"hzFlAgriAnLauncher - "
RGN_VAR_FLOOD_DATE	VB::String	private	1	"Flood_Date"
m_AnalysisBits	VB::Long	private	1	
m_WhatIfBits	VB::Long	private	1	
m_pMasterPaths	hzFlAnWorkFlow::ChzFlMasterPaths	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
let_MasterPaths	<None>	public	☐	instance
let_FloodDate	<None>	public	☐	instance
let_AnalysisBits	<None>	public	☐	instance
let_WhatIfBits	<None>	public	☐	instance
Class_Initialize	<None>	private	☐	instance
Class_Terminate	<None>	private	☐	instance
EntryPoint	<None>	public	☐	instance
GetValidDate	VB::String	private	☐	instance
GetMaxDay	VB::String	private	☐	instance
GetNextMonth	VB::String	private	☐	instance
GetUiCoExtensionController	External Classes::hzCoExtensionController	private	☐	instance

Classification: modAnAgriCalc

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_sErr	VB::String	public	1	
m_IsErr	VB::Boolean	public	1	
m_pApp	esriFramework::IApplication	private	1	
m_lngSCID	VB::Long	private	1	
m_lngWhatIf	VB::Long	private	1	
m_lngAnalysisID	VB::Long	private	1	
m_lngCat	VB::Long	private	1	
m_dblMainPrg	VB::Double	private	1	
m_dblSecPrg	VB::Double	private	1	
m_strCon	VB::String	private	1	
m_strFloodDate	VB::String	private	1	
m_strHazType	VB::String	private	1	
m_strSCPath	VB::String	private	1	
m_strResultMessage	VB::String	private	1	
m_blnIntermediate	VB::Boolean	private	1	
MODULE	VB::String	private	1	"modAnAgriCalc - "
MSG_TITLE	VB::String	private	1	"Agriculture Damage Analysis"
STATUSMAIN	VB::String	private	1	"Agriculture Loss Calculations"
TAB_AGRIDMG	VB::String	private	1	"flAnAgriDmg"
TAB_RESCONTROL	VB::String	private	1	"flAnResultsControl"
TAB_AGRLOSSCOUNTY	VB::String	private	1	"flFRAgricultureLossCounty"
TAB_AGRLOSSSUBCOUNTY	VB::String	private	1	"flFRAgricultureLossSubCounty"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
InitAgriCalcAnalysis	<None>	public	☐	instance
ValidateParams	VB::Boolean	private	☐	instance
IsGeoDmgAnalysd	VB::Boolean	private	☐	instance
CalculateAgriDmg	VB::Boolean	private	☐	instance
CheckResults	VB::Boolean	private	☐	instance
ClearAllTables	VB::Boolean	private	☐	instance
GetResultsTab	VB::String	private	☐	instance
ValidateParms	<None>	public	☐	instance

Classification: modSQLDb

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_sTitle	VB::String	private	1	"modSQLDb"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ConnectDB	ADODB::Connection	public	☐	instance
OpenRecordset	ADODB::Recordset	public	☐	instance
CopyRecordsetSrcToDest	VB::Boolean	public	☐	instance
InsertControlTabValues	<None>	public	☐	instance

4.2.18 General Building Stock Analysis (hzFlAnStockDmg) Library

Classification: cGBSDepEcLoss

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
sSOccupancy	VB::String	private	1	
sGOccupancy	VB::String	private	1	
sControlHazard	VB::String	private	1	
lAnalysisID	VB::Long	private	1	
iFS_BldgLoss	VB::Long	private	1	
iFS_ContLoss	VB::Long	private	1	
lStudyCase	VB::Long	private	1	
sRetPeriod	VB::String	private	1	
sCblock	VB::String	private	1	
boolPre_post	VB::Boolean	private	1	
iS_BldgLoss	VB::Long	private	1	
iS_ContLoss	VB::Long	private	1	
iS_AnalyOpt	VB::Long	private	1	
iG_AnalyOpt	VB::Long	private	1	
iT_BldgLoss	VB::Long	private	1	
iT_ContLoss	VB::Long	private	1	
iT_AnalyOpt	VB::Long	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
get_censusBlock	VB::String	public	☐	instance
let_censusBlock	<None>	public	☐	instance
get_StudyCaseID	VB::Long	public	☐	instance
let_StudyCaseID	<None>	public	☐	instance
get_ReturnPeriodID	VB::String	public	☐	instance
let_ReturnPeriodID	<None>	public	☐	instance
get_ControlHazard	VB::String	public	☐	instance
let_ControlHazard	<None>	public	☐	instance
get_AnalysisOptID	VB::Long	public	☐	instance
let_AnalysisOptID	<None>	public	☐	instance
get_SpOccupancy	VB::String	public	☐	instance
let_SpOccupancy	<None>	public	☐	instance
get_Pre_Post	VB::Boolean	public	☐	instance
let_Pre_Post	<None>	public	☐	instance
get_BuildingLoss	VB::Long	public	☐	instance
let_BuildingLoss	<None>	public	☐	instance
get_ContentsLoss	VB::Long	public	☐	instance
let_ContentsLoss	<None>	public	☐	instance
Class_Initialize	<None>	private	☐	instance
CalculateSOccupLoss	<None>	public	☐	instance
CalculateTOccupLoss	<None>	public	☐	instance
InsertSOccupancy	<None>	public	☐	instance
InsertGOccupancy	<None>	public	☐	instance
InsertTOccupancy	<None>	public	☐	instance
CalculateLossbyGBldgType	<None>	public	☐	instance
GetGeneralOccup	VB::String	private	☐	instance

Classification: cGBSDmg

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
lStudyCase	VB::Long	private	1	
sRetPeriod	VB::String	private	1	
sControlHazard	VB::String	private	1	
lAnalysisID	VB::Long	private	1	
sCblock	VB::String	private	1	
boolPre_post	VB::Boolean	private	1	
sSOccupancy	VB::String	private	1	
SqFtNoDmg	VB::Double	private	1	
SqFtDmg1to10	VB::Double	private	1	
SqFtDmg11to20	VB::Double	private	1	
SqFtDmg21to30	VB::Double	private	1	
SqFtDmg31to40	VB::Double	private	1	
SqFtDmg41to50	VB::Double	private	1	
SqFtDmg51to60	VB::Double	private	1	
SqFtDmg61to70	VB::Double	private	1	
SqFtDmg71to80	VB::Double	private	1	
SqFtDmg81to90	VB::Double	private	1	
SqFtDmg91to100	VB::Double	private	1	
GSqFtNoDmg	VB::Double	private	1	
GSqFtDmg1to10	VB::Double	private	1	
GSqFtDmg11to20	VB::Double	private	1	
GSqFtDmg21to30	VB::Double	private	1	
GSqFtDmg31to40	VB::Double	private	1	
GSqFtDmg41to50	VB::Double	private	1	
GSqFtDmg51to60	VB::Double	private	1	
GSqFtDmg61to70	VB::Double	private	1	
GSqFtDmg71to80	VB::Double	private	1	
GSqFtDmg81to90	VB::Double	private	1	
GSqFtDmg91to100	VB::Double	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
get_censusBlock	VB::String	public	☐	instance
let_censusBlock	<None>	public	☐	instance
get_StudyCaseID	VB::Long	public	☐	instance
let_StudyCaseID	<None>	public	☐	instance
get_ReturnPeriodID	VB::String	public	☐	instance
let_ReturnPeriodID	<None>	public	☐	instance
get_ControlHazard	VB::String	public	☐	instance
let_ControlHazard	<None>	public	☐	instance
get_AnalysisOptID	VB::Long	public	☐	instance
let_AnalysisOptID	<None>	public	☐	instance
get_Pre_Post	VB::Boolean	public	☐	instance
let_Pre_Post	<None>	public	☐	instance
get_SpOccupancy	VB::String	public	☐	instance
let_SpOccupancy	<None>	public	☐	instance
Class_Initialize	<None>	private	☐	instance
CalculateSSqFtDmg	<None>	public	☐	instance
InsertSSqFtDmg	<None>	public	☐	instance
InsertGOccupancy	<None>	public	☐	instance
CalculateLossbyGBldgType	<None>	public	☐	instance
GetGeneralOccup	VB::String	private	☐	instance

Classification: cGBSDmgCount

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
lStudyCase	VB::Long	private	1	
sRetPeriod	VB::String	private	1	
sControlHazard	VB::String	private	1	
lAnalysisID	VB::Long	private	1	
sCblock	VB::String	private	1	
boolPre_post	VB::Boolean	private	1	
sSOccupancy	VB::String	private	1	
CountNoDmg	VB::Double	private	1	
CountDmg1to10	VB::Double	private	1	
CountDmg11to20	VB::Double	private	1	
CountDmg21to30	VB::Double	private	1	
CountDmg31to40	VB::Double	private	1	
CountDmg41to50	VB::Double	private	1	
CountDmg51to60	VB::Double	private	1	
CountDmg61to70	VB::Double	private	1	
CountDmg71to80	VB::Double	private	1	
CountDmg81to90	VB::Double	private	1	
CountDmg91to100	VB::Double	private	1	
GCountNoDmg	VB::Double	private	1	
GCountDmg1to10	VB::Double	private	1	
GCountDmg11to20	VB::Double	private	1	
GCountDmg21to30	VB::Double	private	1	
GCountDmg31to40	VB::Double	private	1	
GCountDmg41to50	VB::Double	private	1	
GCountDmg51to60	VB::Double	private	1	
GCountDmg61to70	VB::Double	private	1	
GCountDmg71to80	VB::Double	private	1	
GCountDmg81to90	VB::Double	private	1	
GCountDmg91to100	VB::Double	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
get_censusBlock	VB::String	public	☐	instance
let_censusBlock	<None>	public	☐	instance
get_StudyCaseID	VB::Long	public	☐	instance
let_StudyCaseID	<None>	public	☐	instance
get_ReturnPeriodID	VB::String	public	☐	instance
let_ReturnPeriodID	<None>	public	☐	instance
get_ControlHazard	VB::String	public	☐	instance
let_ControlHazard	<None>	public	☐	instance
get_AnalysisOptID	VB::Long	public	☐	instance
let_AnalysisOptID	<None>	public	☐	instance
get_Pre_Post	VB::Boolean	public	☐	instance
let_Pre_Post	<None>	public	☐	instance
get_SpOccupancy	VB::String	public	☐	instance
let_SpOccupancy	<None>	public	☐	instance
Class_Initialize	<None>	private	☐	instance
CalculateSCountDmg	<None>	public	☐	instance
InsertSCountDmg	<None>	public	☐	instance
InsertGOccupancy	<None>	public	☐	instance
CalculateLossbyGBldgType	<None>	public	☐	instance
GetGeneralOccup	VB::String	private	☐	instance

Classification: hzFlAnStockDmglauncher

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_papp	esriFramework::IApplication	private	1	
m_quicklook	VB::Boolean	private	1	
m_AnalyseID	VB::Long	private	1	
m_wIfOptionID	VB::Long	private	1	
m_AnalysisBits	VB::Long	private	1	
m_WhatIfBits	VB::Long	private	1	
m_masterpaths	hzFlAnWorkFlow::ChzFlMasterPaths	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
let_MasterPaths	<None>	public	☐	instance
let_AnalysisBits	<None>	public	☐	instance
let_WhatIfBits	<None>	public	☐	instance
let_QuickLook	<None>	public	☐	instance
EntryPoint	<None>	public	☐	instance
Class_Terminte	<None>	private	☐	instance

Classification: modAnBldgStock

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_sFlEFGBSRsFn	VB::String	private	1	"flRsFnGBS"
m_papp	esriFramework::IApplication	private	1	
m_intStudyID	VB::Long	private	1	
m_AnalyseID	VB::Long	private	1	
m_selectionbits	VB::Long	private	1	
m_AnCatg	VB::Long	private	1	
m_strRetID	VB::String	private	1	
m_strCon	VB::String	private	1	
m_AnType	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_strStudyName	VB::String	private	1	
m_iFirmEntry	VB::Integer	private	1	
m_DollarExp	VB::String	private	1	
m_DollarDepExp	VB::String	private	1	
m_SqFt	VB::String	private	1	
m_DollarDmg	VB::String	private	1	
m_DollarDepDmg	VB::String	private	1	
m_FIRM	VB::String	private	1	
m_StudyCasePath	VB::String	private	1	
m_studyCaseRiverinePath	VB::String	private	1	
m_StudyCaseCoastalPath	VB::String	private	1	
m_StudyCaseRiverineLeveePath	VB::String	private	1	
m_intermediate	VB::Boolean	private	1	
m_ResultsMsg	VB::String	private	1	
MessErr	VB::String	public	1	
m_HazType	VB::Long	private	1	
m_strFlAnGBSIntDmgChk	VB::String	private	1	"FlAnGBSIntDmgChk"
m_strflAreaWeight	VB::String	private	1	"flAnAreaWeighted"
m_strStudyCaseBlocks	VB::String	private	1	"flStudyCaseBlocks"
m_strResultControl	VB::String	private	1	"flAnResultsControl"
m_sTitle	VB::String	private	1	"General Building Stock Damage Analysis "
m_sSource	VB::String	private	1	"hzFlAnStockDmg.modAnBldgStock"
m_strStatusMain	VB::String	private	1	"GBS Damage Analysis process"
ipCoExtension	External Classes::hzCoExtensionController	private	1	
m_wfHelper	External Classes::hzFlWfHelpers	private	1	
m_FWStruct	VB::Double	private	1	
m_FWContent	VB::Double	private	1	
m_FWInventory	VB::Double	private	1	
m_Velocity	VB::Double	private	1	
m_mainprg	VB::Double	private	1	
m_secprg	VB::Double	private	1	
m_ProcCode	VB::Integer	private	1	
m_quicklook	VB::Boolean	private	1	
m_blnVelocity	VB::Boolean	private	1	
rsCnx	ADODB::Connection	private	1	
ConSvr	ADODB::Connection	private	1	
rsBldg	ADODB::Recordset	private	1	
rsBldg1	ADODB::Recordset	private	1	
rsHAZ	ADODB::Recordset	private	1	
sqls	VB::String	private	1	
CASE_VAR_HAS_REACHES	VB::String	private	1	"HAS_REACHES"
CASE_VAR_HAS_SHORELINES	VB::String	private	1	"HAS_SHORELINES"
CASE_VAR_HAS_RIV_FIT	VB::String	private	1	"HAS_RIV_FIT"
CASE_VAR_HAS_COAST_FIT	VB::String	private	1	"HAS_COAST_FIT"
CASE_VAR_HAS_RIV_DG	VB::String	private	1	"HAS_RIV_DG"
CASE_VAR_HAS_COAST_DG	VB::String	private	1	"HAS_COAST_DG"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
InitFloodAnalysis	<None>	public	☐	instance
CalculateBldgStockDmg	<None>	private	☐	instance
GetUiCoExtensionController	External Classes::hzCoExtensionController	private	☐	instance
Do_PRE_POST_FIRM_Calculation	<None>	private	☐	instance
TheFolderExists	VB::Boolean	public	☐	instance
FillResults	<None>	public	☐	instance
ClearAllTables	VB::String	public	☐	instance
CheckResults	VB::String	public	☐	instance
IfResultExist	VB::String	public	☐	instance
CenBlkDetail_Calculation	<None>	public	☐	instance
clsGBSEcLoss_PropertySet	<None>	public	☐	instance
clsGBSDepEcLoss_PropertySet	<None>	public	☐	instance
clsGBSDmgCount_PropertySet	<None>	public	☐	instance
clsGBSDmg_PropertySet	<None>	public	☐	instance
GetResultsTab	VB::String	public	☐	instance
GetItemBits	VB::Long	public	☐	instance
GetValidRPandSelectionbits	External Classes::Collection	public	☐	instance
GetArrayofBits	VB::String	public	☐	instance
DoFloodWarning	VB::Boolean	private	☐	instance
DoVelocityCalc	VB::Boolean	private	☐	instance
AssignProcessCodes	VB::Long	private	☐	instance
InsertQuickLookID	<None>	private	☐	instance
GetRestorationTime	VB::Long	private	☐	instance

4.2.19 Average Annualized Loss Analysis (hzFlAnAnnualize) Library

Classification: cAnnualize

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strCurrentModule	VB::String	private	1	"cAnnualize - "
m_CB	VB::String	private	1	
m_SOccupID	VB::String	private	1	
m_RetPeriodID	VB::String	private	1	
m_StudyCaseID	VB::Long	private	1	
m_10YrBldgLoss	VB::Double	private	1	
m_50YrBldgLoss	VB::Double	private	1	
m_100YrBldgLoss	VB::Double	private	1	
m_200YrBldgLoss	VB::Double	private	1	
m_500YrBldgLoss	VB::Double	private	1	
m_BuildingLoss	VB::Long	private	1	
m_ContentsLoss	VB::Long	private	1	
m_InventoryLoss	VB::Long	private	1	
m_RelocationCost	VB::Long	private	1	
m_IncomeLoss	VB::Long	private	1	
m_RentalLoss	VB::Long	private	1	
m_WageLoss	VB::Long	private	1	
m_OutputLoss	VB::Long	private	1	
m_EmploymentLoss	VB::Long	private	1	
m_BldgSumLoss	VB::Long	private	1	
m_CntsSumLoss	VB::Long	private	1	
m_InvSumLoss	VB::Long	private	1	
m_RelocSumLoss	VB::Long	private	1	
m_IncSumLoss	VB::Long	private	1	
m_RentSumLoss	VB::Long	private	1	
m_WageSumLoss	VB::Long	private	1	
m_OutputSumLoss	VB::Long	private	1	
m_EmpSumLoss	VB::Long	private	1	
m_YrString	VB::String	private	1	
m_IsEqual	VB::Boolean	private	1	
m_ExposeVal	VB::Long	private	1	
m_FIRMType	VB::Integer	private	1	
m_sTitle	VB::String	private	1	"cAnnualize"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
get_censusBlock	VB::String	public	☐	instance
let_censusBlock	<None>	public	☐	instance
get_FIRMType	VB::Integer	public	☐	instance
let_FIRMType	<None>	public	☐	instance
get_ReturnPeriodID	VB::String	public	☐	instance
let_ReturnPeriodID	<None>	public	☐	instance
get_SpOccupancy	VB::String	public	☐	instance
let_SpOccupancy	<None>	public	☐	instance
get_StudyCaseID	VB::Long	public	☐	instance
let_StudyCaseID	<None>	public	☐	instance
get_BuildingLoss	VB::Long	public	☐	instance
get_ContentsLoss	VB::Long	public	☐	instance
get_InventoryLoss	VB::Long	public	☐	instance
get_RelocationCost	VB::Long	public	☐	instance
get_IncomeLoss	VB::Long	public	☐	instance
get_RentalIncomeLoss	VB::Long	public	☐	instance
get_WageLoss	VB::Long	public	☐	instance
get_OutputLoss	VB::Long	public	☐	instance
get_EmploymentLoss	VB::Long	public	☐	instance
let_ExposureValue	<None>	public	☐	instance
GetBuildingLoss	<None>	public	☐	instance
Class_Initialize	<None>	private	☐	instance
CalculateAnnual	<None>	public	☐	instance
SumAnnualLoss	<None>	public	☐	instance
AnnualLossByGType	<None>	public	☐	instance
GetFieldName	VB::String	public	☐	instance
CalculateEAL	VB::Double	private	☐	instance
NumValidValues	VB::Integer	private	☐	instance
AALByLossType	<None>	private	☐	instance

Classification: CenBlkDetail

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_selectionbits	VB::Long	private	1	
pct1StoryRES1	VB::Byte	private	1	
pct2StoryRES1	VB::Byte	private	1	
pct3StoryRES1	VB::Byte	private	1	
pctSplitLvl	VB::Byte	private	1	
pct1to2StryRES3	VB::Byte	private	1	
pct3to4StryRES3	VB::Byte	private	1	
pct5StryPlusRES3	VB::Byte	private	1	
PctLowRise	VB::Byte	private	1	
PctMediumRise	VB::Byte	private	1	
PctHighRise	VB::Byte	private	1	
BlockType	VB::String	private	1	
SchemeID	VB::String	private	1	
sSchemeName	VB::String	private	1	
cenBlock	VB::String	private	1	
m_strCon	VB::String	private	1	
sFirmType	VB::String	private	1	
FirmEntry	VB::Integer	private	1	
sSpOccup	External Classes::Collection	private	1	
sFoundType	External Classes::Collection	private	1	
sFoundDist	External Classes::Collection	private	1	
sFoundHt	External Classes::Collection	private	1	
sngSqFtOccup	External Classes::Collection	private	1	
sngDollExpOccup	External Classes::Collection	private	1	
iBldgCountOccup	External Classes::Collection	private	1	
SngDollContExpOccup	External Classes::Collection	private	1	
sngDepOccup	External Classes::Collection	private	1	
sngDepContExpOccup	External Classes::Collection	private	1	
ConSvr	ADODB::Connection	private	1	
rsDmg	ADODB::Recordset	private	1	
m_sTitle	VB::String	private	1	"Building Stock Damage Analysis"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Initialize	<None>	private	☐	instance
Class_Terminate	<None>	private	☐	instance
let_USelectionBit	<None>	public	☐	instance
get_censusBlock	VB::String	public	☐	instance
let_censusBlock	<None>	public	☐	instance
get_FIRMType	VB::String	public	☐	instance
let_FIRMType	<None>	public	☐	instance
get_RES1_1Story	VB::Byte	public	☐	instance
get_RES1_2Story	VB::Byte	public	☐	instance
get_RES1_3Story	VB::Byte	public	☐	instance
get_RES1_Splitlvl	VB::Byte	public	☐	instance
get_RES3_12Story	VB::Byte	public	☐	instance
get_RES3_34Story	VB::Byte	public	☐	instance
get_RES3_5PlusStory	VB::Byte	public	☐	instance
get_LowRise	VB::Byte	public	☐	instance
get_MediumRise	VB::Byte	public	☐	instance
get_HighRise	VB::Byte	public	☐	instance
get_CBlockType	VB::String	public	☐	instance
get_CBSchemeID	VB::String	public	☐	instance
get_SchemeName	VB::String	public	☐	instance
get_SpecificOccup	External Classes::Collection	public	☐	instance
get_FoundationDist	External Classes::Collection	public	☐	instance
get_FoundationType	External Classes::Collection	public	☐	instance
get_FoundationHt	External Classes::Collection	public	☐	instance
let_ConnectionString	<None>	public	☐	instance
get_SquareFootageOccup	External Classes::Collection	public	☐	instance
get_DollarExposure	External Classes::Collection	public	☐	instance
get_BuildingCount	External Classes::Collection	public	☐	instance
get_DollarContentExposure	External Classes::Collection	public	☐	instance
get_DepreciatedExposure	External Classes::Collection	public	☐	instance
get_DepreciatedContentExp	External Classes::Collection	public	☐	instance
Calculate	<None>	public	☐	instance
FoundationDetails	<None>	public	☐	instance
StockDetails	<None>	public	☐	instance

Classification: CExpenses

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
sSOccupancy	VB::String	private	1	
sngDisruptionCost	VB::Single	private	1	
iPctOwnerOccupied	VB::Integer	private	1	
sngRentalCost	VB::Single	private	1	
sngIncomePerDay	VB::Single	private	1	
sngWagePerDay	VB::Single	private	1	
sngEmployeePerSqFt	VB::Single	private	1	
sngOutputPerSqFt	VB::Single	private	1	
sngIncomeReCapFactor	VB::Single	private	1	
sngEmploymentReCap	VB::Single	private	1	
sngWageRecap	VB::Single	private	1	
sngOutputRecap	VB::Single	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
get_SpOccupancy	VB::String	public	☐	instance
let_SpOccupancy	<None>	public	☐	instance
get_DisruptionCosts	VB::Single	public	☐	instance
get_PctOwnerOccupied	VB::Integer	public	☐	instance
get_RentalCost	VB::Single	public	☐	instance
get_IncomePerDay	VB::Single	public	☐	instance
get_WagePerDay	VB::Single	public	☐	instance
get_EmployeePerSQft	VB::Single	public	☐	instance
get_OutputPerSQFt	VB::Single	public	☐	instance
get_IncomeReCaptureFactor	VB::Single	public	☐	instance
get_EmploymentRecapFactor	VB::Single	public	☐	instance
get_WageRecapFactor	VB::Single	public	☐	instance
get_OutputRecapFactor	VB::Single	public	☐	instance
CalculateExpenses	<None>	public	☐	instance
Class_Initialize	<None>	private	☐	instance

Classification: cFirmEntry

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
sCblock	VB::String	private	1	
sConstr	VB::String	private	1	
iSumPreFirm	VB::Single	private	1	
iSumPostFirm	VB::Single	private	1	
iSumAll	VB::Single	private	1	
iFirmEntry	VB::Integer	private	1	
iPctPREfirm	VB::Single	private	1	
iPctPOSTfirm	VB::Single	private	1	
sTitle	VB::String	private	1	"Building Stock Analysis"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
get_ConnectString	VB::String	public	☐	instance
let_ConnectString	<None>	public	☐	instance
get_cenBlock	VB::String	public	☐	instance
let_cenBlock	<None>	public	☐	instance
get_SumPreFirm	VB::Single	public	☐	instance
get_SumPostFirm	VB::Single	public	☐	instance
get_SumAll	VB::Single	public	☐	instance
get_FirmEntry	VB::Integer	public	☐	instance
let_FirmEntry	<None>	public	☐	instance
get_PctPREFIRM	VB::Single	public	☐	instance
get_PctPOSTFIRM	VB::Single	public	☐	instance
Class_Initialize	<None>	private	☐	instance
GetPctFirm	<None>	public	☐	instance

Classification: cGBSEcLoss

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
sSOccupancy	VB::String	private	1	
sGOccupancy	VB::String	private	1	
sControlHazard	VB::String	private	1	
lAnalysisID	VB::Long	private	1	
iFS_BldgLoss	VB::Long	private	1	
iFS_ContLoss	VB::Long	private	1	
iFS_InvLoss	VB::Long	private	1	
lFS_RentalLoss	VB::Long	private	1	
lFS_IncomeLoss	VB::Long	private	1	
lFS_WageLoss	VB::Long	private	1	
lFS_OutputLoss	VB::Long	private	1	
lFS_EmploymentLoss	VB::Long	private	1	
lFS_RelocLoss	VB::Long	private	1	
lStudyCase	VB::Long	private	1	
sRetPeriod	VB::String	private	1	
sCblock	VB::String	private	1	
boolPre_post	VB::Boolean	private	1	
iS_BldgLoss	VB::Long	private	1	
iS_ContLoss	VB::Long	private	1	
iS_InvLoss	VB::Long	private	1	
iS_AnalyOpt	VB::Long	private	1	
lS_RentalLoss	VB::Long	private	1	
lS_IncomeLoss	VB::Long	private	1	
lS_WageLoss	VB::Long	private	1	
lS_OutputLoss	VB::Long	private	1	
lS_EmploymentLoss	VB::Long	private	1	
lS_RelocLoss	VB::Long	private	1	
iG_AnalyOpt	VB::Long	private	1	
iT_BldgLoss	VB::Long	private	1	
iT_ContLoss	VB::Long	private	1	
iT_InvLoss	VB::Long	private	1	
iT_AnalyOpt	VB::Long	private	1	
lT_RentalLoss	VB::Long	private	1	
lT_IncomeLoss	VB::Long	private	1	
lT_WageLoss	VB::Long	private	1	
lT_OutputLoss	VB::Long	private	1	
lT_EmploymentLoss	VB::Long	private	1	
lT_RelocLoss	VB::Long	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
get_censusBlock	VB::String	public	☐	instance
let_censusBlock	<None>	public	☐	instance
get_StudyCaseID	VB::Long	public	☐	instance
let_StudyCaseID	<None>	public	☐	instance
get_ReturnPeriodID	VB::String	public	☐	instance
let_ReturnPeriodID	<None>	public	☐	instance
get_ControlHazard	VB::String	public	☐	instance
let_ControlHazard	<None>	public	☐	instance
get_AnalysisOptID	VB::Long	public	☐	instance
let_AnalysisOptID	<None>	public	☐	instance
get_SpOccupancy	VB::String	public	☐	instance
let_SpOccupancy	<None>	public	☐	instance
get_Pre_Post	VB::Boolean	public	☐	instance
let_Pre_Post	<None>	public	☐	instance
get_BuildingLoss	VB::Long	public	☐	instance
let_BuildingLoss	<None>	public	☐	instance
get_ContentsLoss	VB::Long	public	☐	instance
let_ContentsLoss	<None>	public	☐	instance
get_InventoryLoss	VB::Long	public	☐	instance
let_InventoryLoss	<None>	public	☐	instance
get_RentalLoss	VB::Long	public	☐	instance
let_RentalLoss	<None>	public	☐	instance
get_IncomeLoss	VB::Long	public	☐	instance
let_IncomeLoss	<None>	public	☐	instance
get_WageLoss	VB::Long	public	☐	instance
let_WageLoss	<None>	public	☐	instance
get_RelocationLoss	VB::Long	public	☐	instance
let_RelocationLoss	<None>	public	☐	instance
get_OutputLoss	VB::Long	public	☐	instance
let_OutputLoss	<None>	public	☐	instance
get_EmploymentLoss	VB::Long	public	☐	instance
let_EmploymentLoss	<None>	public	☐	instance
Class_Initialize	<None>	private	☐	instance
CalculateSOccupLoss	<None>	public	☐	instance
CalculateTOccupLoss	<None>	public	☐	instance
InsertSOccupancy	<None>	public	☐	instance
InsertGOccupancy	<None>	public	☐	instance
InsertTOccupancy	<None>	public	☐	instance
GetGeneralOccup	VB::String	private	☐	instance
CalculateLossbyGBldgType	<None>	public	☐	instance

Classification: clsAnAnnualize

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_papp	esriFramework::IApplication	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Terminate	<None>	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance

Classification: hzFlAnAnnualizelauncher

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_papp	esriFramework::IApplication	private	1	
m_RegionPath	VB::String	private	1	
m_StudyName	VB::String	private	1	
m_StudyID	VB::Long	private	1	
m_strCon	VB::String	private	1	
m_success	VB::Boolean	private	1	
m_AnalyseID	VB::Long	private	1	
m_AnalysisBits	VB::Long	private	1	
m_WhatIfBits	VB::Long	private	1	
m_masterpaths	hzFlAnWorkFlow::ChzFlMasterP...	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
let_RegionPath	<None>	public	☐	instance
get_AnnualSuccess	VB::Boolean	public	☐	instance
let_AnalysisBits	<None>	public	☐	instance
let_WhatIfBits	<None>	public	☐	instance
EntryPoint	<None>	public	☐	instance
Class_Initialize	<None>	private	☐	instance

Classification: modAnnualize

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_papp	esriFramework::IAp...	private	1	
m_intStudyID	VB::Long	private	1	
m_AnalyseID	VB::Long	private	1	
m_AnCatg	VB::Long	private	1	
m_HazType	VB::String	private	1	
m_strRetID	VB::String	private	1	
m_strCon	VB::String	private	1	
m_AnType	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_strStudyName	VB::String	private	1	
m_iFirmEntry	VB::Integer	private	1	
m_DollarExp	VB::String	private	1	
m_DollarDepExp	VB::String	private	1	
m_SqFt	VB::String	private	1	
m_DollarDmg	VB::String	private	1	
m_DollarDepDmg	VB::String	private	1	
m_FIRM	VB::String	private	1	
m_StudyCasePath	VB::String	private	1	
m_studyCaseRiverinePath	VB::String	private	1	
m_StudyCaseCoastalPath	VB::String	private	1	
m_StudyCaseRiverineLeveePath	VB::String	private	1	
m_quicklook	VB::String	private	1	
rsCnx	ADODB::Connection	private	1	
ConSvr	ADODB::Connection	private	1	
rsBldg	ADODB::Recordset	private	1	
rsAWBlocks	ADODB::Recordset	private	1	
rsCBsWith1OrMoreRPs	ADODB::Recordset	private	1	
rsHAZ	ADODB::Recordset	private	1	
sqls	VB::String	private	1	
m_mainBar	VB::Double	private	1	
m_secBar	VB::Double	private	1	
MessErr	VB::String	public	1	
HazardMessage	VB::String	public	1	
FLANRESULTSCONTROL	VB::String	private	1	"flAnResultsControl"
MODULE	VB::String	private	1	"modAnnualize"
STATUSMAIN	VB::String	private	1	"Annualized Loss Analysis process"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
InitFloodAnalysis	<None>	public	☐	instance
InitFloodAnalysisFn	VB::Boolean	public	☐	instance
CalculateAnnualDmg	<None>	private	☐	instance
Do_PRE_POST_FIRM_Annualised	<None>	private	☐	instance
TheFolderExists	VB::Boolean	public	☐	instance
ClearAllTables	VB::String	public	☐	instance
AALDoIt	VB::String	public	☐	instance
CheckHazard	VB::String	public	☐	instance
InsertGOccupTable	<None>	public	☐	instance
InsertTOccupTable	<None>	public	☐	instance
InsertGBldgType	<None>	public	☐	instance

Classification: modCalcAnnual

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
FRSOCCUP	VB::String	private	1	"flFRGBSEcLossBySOccup"
FRGOCCUP	VB::String	private	1	"flFRGBSEcLossByGOccup"
FRTOTAL	VB::String	private	1	"flFRGBSEcLossByTotal"
FRBLDGTYPE	VB::String	private	1	"flFRGBSEcLossByGBldgType"
MODULE	VB::String	private	1	"modCalcAnnual"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
InitAnnualiseSOcc	<None>	public	☐	instance
InsertValues	<None>	public	☐	instance
GetFieldName	VB::String	public	☐	instance
GetExposureValue	VB::Long	private	☐	instance

Classification: modGetBldgStockValues

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_sTitle	VB::String	private	1	"Building Stock Damage Analysis"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
GetCommunityEntrance	VB::Integer	public	☐	instance
GetFoundationType	VB::Integer	public	☐	instance
GetPctValue	External Classes::Collection	public	☐	instance
GetPctStory	External Classes::Collection	public	☐	instance
BuildOccupID	VB::String	public	☐	instance
GetPctDmg	VB::Single	public	☐	instance
GetDmgFnID	VB::Long	public	☐	instance
GetInventoryFactor	VB::Double	public	☐	instance

4.2.20 Essential Facility Analysis (hzFlAnEFDmg) Library

Classification: clsAnEFDmg

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Terminate	<None>	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance

Classification: clsFITGrdInfo

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
HazardType	VB::String	public	1	
m_strPath	VB::String	public	1	
SECTION1	<unspecified>	private	1	"GENERAL INFORMATION"
KEY_HAZARD_TYPE	<unspecified>	private	1	"HAZARD_TYPE"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Init	<None>	public	☐	instance

Classification: frmEarth

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Form_Activate	<None>	private	☐	instance

Classification: hzFlAnEFDmglauncher

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pDepthPathsColl	External Classes::Collection	private	1	
m_lngSCID	VB::Long	private	1	
m_lngAnalyse	VB::Long	private	1	
m_strConn	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_strSCName	VB::String	private	1	
m_strSCRivPath	VB::String	private	1	
m_strSCRivLeveePath	VB::String	private	1	
m_strSCFlowRegPath	VB::String	private	1	
m_strSCVelocityPath	VB::String	private	1	
m_strSCCoastPath	VB::String	private	1	
m_strSCLongTermPath	VB::String	private	1	
m_strSCShorePath	VB::String	private	1	
m_blnLevee	VB::Boolean	private	1	
m_blnFlowReg	VB::Boolean	private	1	
m_blnVelocity	VB::Boolean	private	1	
m_blnLongTerm	VB::Boolean	private	1	
m_blnShore	VB::Boolean	private	1	
m_AnalysisBits	VB::Long	private	1	
m_WhatIfBits	VB::Long	private	1	
m_blnQuickLook	VB::Boolean	private	1	
m_pMasterPaths	hzFlAnWorkFlow::ChzFlMasterPaths	private	1	
COASTAL	VB::String	private	1	"Coastal"
DIR_DEPTH	VB::String	private	1	"Depth"
DIR_FLOWREG	VB::String	private	1	"flowreg"
DIR_LONGTERM	VB::String	private	1	"lterosion"
DIR_SHORE	VB::String	private	1	"shoreprotect"
DIR_VELOCITY	VB::String	private	1	"Velocity"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
let_MasterPaths	<None>	public	☐	instance
let_AnalysisBits	<None>	public	☐	instance
let_WhatIfBits	<None>	public	☐	instance
let_QuickLook	<None>	public	☐	instance
let_DepthPaths	<None>	public	☐	instance
Class_Initialize	<None>	private	☐	instance
EntryPoint	<None>	public	☐	instance

Classification: modAnEF

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pProjInfo	hzFlAnEFDmg::clsFITGrdInfo	private	1	
m_pRsCnx	ADODB::Connection	private	1	
m_pConSvr	ADODB::Connection	private	1	
m_pRsFIT	ADODB::Recordset	private	1	
m_pDepthPathColl1	External Classes::Collection	private	1	
m_pDepthPathColl2	External Classes::Collection	private	1	
m_pMessageColl	External Classes::Collection	private	1	
m_lngSCID	VB::Long	private	1	
m_lngHazEnum	VB::Long	private	1	
m_lngAnalysisID	VB::Long	private	1	
m_lngCat	VB::Long	private	1	
m_strRegionPath	VB::String	private	1	
m_strGridName	VB::String	private	1	
m_strDepthPath	VB::String	private	1	
m_strFacility( )	VB::String	private	1	
m_pRsHAZ	ADODB::Recordset	private	1	
m_strHazType	VB::String	private	1	
m_strRetID	VB::String	private	1	
m_strCon	VB::String	private	1	
m_strAnType	VB::String	private	1	
m_strSCPath	VB::String	private	1	
m_strSCRivPath	VB::String	private	1	
m_strSCRivDepthPath	VB::String	private	1	
m_strSCRivLeveeDepthPath	VB::String	private	1	
m_strSCRivFlowRegPath	VB::String	private	1	
m_strSCCoastPath	VB::String	private	1	
m_strSCCoastDepthPath	VB::String	private	1	
m_strSCCoastLongTermPath	VB::String	private	1	
m_strSCCoastShorePath	VB::String	private	1	
m_strCoastalZone	VB::String	private	1	
m_strSQL	VB::String	private	1	
m_strResultMessage	VB::String	private	1	
m_blnINIExists	VB::Boolean	private	1	
m_blnRiv	VB::Boolean	private	1	
m_blnCoast	VB::Boolean	private	1	
m_blnFIT	VB::Boolean	private	1	
m_blnQuickLook	VB::Boolean	private	1	
m_blnIsErr	VB::Boolean	private	1	
MODULE	VB::String	private	1	"modAnEF - "

Classification: modAnEF Attributes (Continued)

DEPTH	VB::String	private	1	"Depth"
FIT	VB::String	private	1	"FIT"
FLOWREG	VB::String	private	1	"flowreg"
QUICK	VB::String	private	1	"Quick"
LONGTERM	VB::String	private	1	"lterosion"
SHOREPROT	VB::String	private	1	"shoreprotect"
FC_ZONE	VB::String	private	1	"ZoneRP"
MDB_CASEOUTPUT	VB::String	private	1	"CaseOutput"
MDB_EF	VB::String	private	1	"EF"
MDB_RESULTS	VB::String	private	1	"flEFResults"
MSG_TITLE	VB::String	private	1	"Essential Facility"
TAB_EFCONTDMGFN	VB::String	private	1	"flEssntFltyContDmgFn"
TAB_EFCONTDMGXREF	VB::String	private	1	"flEssntFltyContDmgXref"
TAB_EFRSRN	VB::String	private	1	"flRsFnEssntFlty"
TAB_EFSTRUCTDMGFN	VB::String	private	1	"flEssntFltyStructDmgFn"
TAB_EFSTRUCTDMGXREF	VB::String	private	1	"flEssntFltyStructDmgXref"
TAB_PCT	VB::String	private	1	"hzPctContentOfStructureValue"
TAB_RSCTRL	VB::String	private	1	"flAnResultsControl"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
InitFloodAnalysis	<None>	public	☐	instance
CheckResults	VB::Boolean	private	☐	instance
ClearAllTables	VB::Boolean	private	☐	instance
GetResultsTab	VB::String	private	☐	instance
ValidateAll	VB::Boolean	private	☐	instance
ValidateParms	<None>	public	☐	instance
RunValidHazardCalc	VB::Boolean	private	☐	instance
RunAnalysis	<None>	private	☐	instance
DefineEFAnalyse	<None>	private	☐	instance
UploadResults	<None>	private	☐	instance
ElimSameHazType	<None>	private	☐	instance
ElimDiffHazType	<None>	private	☐	instance
GetEnumValues	VB::String	private	☐	instance
GetDmgFnID	<None>	private	☐	instance
CreateTable	esriGeoDatabase::ITable	private	☐	instance
GetFunctionalDepth	VB::Single	private	☐	instance
GetRestorationTime	VB::Long	private	☐	instance
GetItemBits	VB::Long	public	☐	instance
GetDmgFnFieldA	VB::String	private	☐	instance
GetCoastalZone	VB::String	private	☐	instance
GetCoastalZoneVal	VB::String	private	☐	instance
GetCurrentAnalysisPath	VB::String	private	☐	instance

Classification: modFlEssenFacOptions

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
GetOccupancyEF	VB::String	public	☐	instance
INI_FILE_Get	VB::String	public	☐	instance
INI_FILE_Get_Bool	VB::Boolean	public	☐	instance
CreateAccessGeodatabase	<None>	public	☐	instance

4.2.21 User-Defined Facilities Analysis (hzFlAnUDEFDmg) Library

Classification: clsAnUDEFDmg

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_papp	esriFramewor...	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Terminate	<None>	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance

Classification: clsUDFITGrdInfo

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
HazardType	VB::String	public	1	
m_strPath	VB::String	public	1	
SECTION1	<unspecified>	private	1	"GENERAL INFORMATION"
KEY_HAZARD_TYPE	<unspecified>	private	1	"HAZARD_TYPE"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Init	<None>	public	☐	instance

Classification: hzFlAnUDEFDmglauncher

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_papp	esriFramework::IApplication	private	1	
m_RegionPath	VB::String	private	1	
m_ColDepthpaths	External Classes::Collection	private	1	
m_StudyName	VB::String	private	1	
m_StudyID	VB::Long	private	1	
m_AnalysisID	VB::Long	private	1	
m_strCon	VB::String	private	1	
m_AnalysisBits	VB::Long	private	1	
m_WhatIfBits	VB::Long	private	1	
m_masterPaths	hzFlAnWorkFlow::ChzFlMasterPaths	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
let_MasterPaths	<None>	public	☐	instance
let_AnalysisBits	<None>	public	☐	instance
let_WhatIfBits	<None>	public	☐	instance
let_DepthPaths	<None>	public	☐	instance
EntryPoint	<None>	public	☐	instance
Class_Initialize	<None>	private	☐	instance

Classification: modAnUDEF

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_papp	esriFramework::IApplication	private	1	
m_HazType	VB::String	public	1	
m_strRegionPath	VB::String	private	1	
m_ColDepthpaths	External Classes::Collection	private	1	
m_ColDepthpaths1	External Classes::Collection	private	1	
m_proj_info	hzFlAnUDEFDmg::clsUDFITGrdInfo	private	1	
m_strFldDepth	VB::String	private	1	
m_strDepthPath	VB::String	private	1	
m_strStudyName	VB::String	private	1	
m_intStudyID	VB::Long	private	1	
m_blnINIExists	VB::Boolean	private	1	
m_strRetID	VB::String	private	1	
m_strCon	VB::String	private	1	
m_AnType	VB::String	private	1	
m_AnalysisID	VB::Long	private	1	
m_AnCatg	VB::Long	private	1	
m_StudyCasePath	VB::String	private	1	
m_studyCaseRiverinePath	VB::String	private	1	
m_StudyCaseCoastalPath	VB::String	private	1	
m_StudyCaseRiverineLeveePath	VB::String	private	1	
m_StudyCaseRiverineFlowRegPath	VB::String	private	1	
m_quicklook	VB::String	private	1	
m_bypass	VB::Boolean	private	1	
UDEFMDB	VB::String	private	1	"UDS"
HZUDEFTAB	VB::String	private	1	"hzUserDefinedFlty"
GDBRESTAB	VB::String	private	1	"flUDEFResults"
FRUDEFTAB	VB::String	private	1	"flFRUserDefinedFlty"
CONTDMGFNTAB	VB::String	private	1	"flBldgContDmgFn"
CONTDMGXREFTAB	VB::String	private	1	"flBldgContDmgXRef"
STRDMGFNTAB	VB::String	private	1	"flBldgStructDmgFn"
STRDMGXREFTAB	VB::String	private	1	"flBldgStructDmgXRef"
INVDMGFNTAB	VB::String	private	1	"flBldgInvDmgFn"
INVDMGXREFTAB	VB::String	private	1	"flBldgInvDmgXRef"
TITLE	VB::String	private	1	"User Defined Facility Analysis "
MODULE	VB::String	private	1	"hzFlAnUDEFDmg.modAnUDEF::"
INTERTAB	VB::String	private	1	"flUDEFResults"
PCTCONTOFSTRUCTTAB	VB::String	private	1	"hzPctContentOfStructureValue"
RESULTSCONTROLTAB	VB::String	private	1	"flAnResultsControl"
rsCnx	ADODB::Connection	private	1	
ConSvr	ADODB::Connection	private	1	
rsFIT	ADODB::Recordset	private	1	
rsHAZ	ADODB::Recordset	private	1	
sqls	VB::String	private	1	
m_messageCollection	External Classes::Collection	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
InitFloodAnalysisFn	VB::Boolean	public	☐	instance
ValidateParms	<None>	public	☐	instance
RunAnalysis	<None>	public	☐	instance
DefineEFAnalyse	<None>	public	☐	instance
INI_FILE_Get	VB::String	public	☐	instance
TheFileExists	VB::Boolean	public	☐	instance
UploadResults	VB::Boolean	public	☐	instance
CreateTable	esriGeoDatab...	private	☐	instance
CreateAccessGeodatabase	<None>	public	☐	instance
ElimSameHazType	<None>	public	☐	instance
ElimDiffHazType	<None>	public	☐	instance
GetDmgFnID	<None>	public	☐	instance

4.2.22 Debris Analysis (hzFlAnDebris) Library

Classification: CDebrisforBlk

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
BlockType	VB::String	private	1	
SchemeID	VB::String	private	1	
sSchemeName	VB::String	private	1	
cenBlock	VB::String	private	1	
m_strCon	VB::String	private	1	
sSpOccup	External Classes::Collection	private	1	
sFoundType	External Classes::Collection	private	1	
sFoundDist	External Classes::Collection	private	1	
sFoundHt	External Classes::Collection	private	1	
sFirmType	VB::String	private	1	
sngSqFtOccup	External Classes::Collection	private	1	
m_sTitle	VB::String	private	1	"Building Stock Damage Analysis"
ConSvr	ADODB::Connection	private	1	
rsDmg	ADODB::Recordset	private	1	
dblFinishWt	VB::Double	private	1	
dblStructurewt	VB::Double	private	1	
dblFoundationwt	VB::Double	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Initialize	<None>	private	☐	instance
Class_Terminate	<None>	private	☐	instance
get_censusBlock	VB::String	public	☐	instance
let_censusBlock	<None>	public	☐	instance
get_FIRMType	VB::String	public	☐	instance
let_FIRMType	<None>	public	☐	instance
get_CBlockType	VB::String	public	☐	instance
get_CBSchemeID	VB::String	public	☐	instance
get_SchemeName	VB::String	public	☐	instance
get_SpecificOccup	External Classes::Collection	public	☐	instance
get_FoundationDist	External Classes::Collection	public	☐	instance
get_FoundationType	External Classes::Collection	public	☐	instance
get_FoundationHt	External Classes::Collection	public	☐	instance
let_ConnectionString	<None>	public	☐	instance
get_SquareFootageOccup	External Classes::Collection	public	☐	instance
get_FinishWt	VB::Double	public	☐	instance
get_StructureWt	VB::Double	public	☐	instance
get_FoundationWt	VB::Double	public	☐	instance
Calculate	<None>	public	☐	instance
FoundationDetails	<None>	public	☐	instance
StockDetails	<None>	public	☐	instance
GetFlDebrisValues	<None>	public	☐	instance
GetFoundationType	VB::String	public	☐	instance

Classification: clsAnDebris

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Terminate	<None>	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance

Classification: hzFlAnDebrislauncher

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_AnalysisBits	VB::Long	private	1	
m_WhatIfBits	VB::Long	private	1	
m_pMasterPaths	hzFlAnWorkFlow::ChzFlMasterPaths	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
let_MasterPaths	<None>	public	☐	instance
let_AnalysisBits	<None>	public	☐	instance
let_WhatIfBits	<None>	public	☐	instance
Class_Initialize	<None>	private	☐	instance
Class_Terminate	<None>	private	☐	instance
EntryPoint	<None>	public	☐	instance

Classification: modAnDebris

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
MessErr	VB::String	public	1	
m_pApp	esriFramework::IApplication	private	1	
ConSvr	ADODB::Connection	private	1	
rsBldg	ADODB::Recordset	private	1	
rsBldg1	ADODB::Recordset	private	1	
m_lngSCID	VB::Long	private	1	
m_lngWhatIf	VB::Long	private	1	
m_lngCat	VB::Long	private	1	
m_lngAnBits	VB::Long	private	1	
m_lngHazEnum	VB::Long	private	1	
m_dblMainPrg	VB::Double	private	1	
m_dblSecPrg	VB::Double	private	1	
m_dblFWStruct	VB::Double	private	1	
m_dblFWContent	VB::Double	private	1	
m_dblFWInventory	VB::Double	private	1	
m_intProcCode	VB::Integer	private	1	
m_strCon	VB::String	private	1	
m_strSCPath	VB::String	private	1	
m_blnIntermediate	VB::Boolean	private	1	
MODULE	VB::String	private	1	"modAnDebris - "
MSG_TITLE	VB::String	private	1	"Debris Analysis"
STATUSMAIN	VB::String	private	1	"Debris Analysis"
TAB_RESCTRL	VB::String	private	1	"flAnResultsControl"
TAB_DEBRIS	VB::String	private	1	"flFRDebris"
TAB_SCBLOCKS	VB::String	private	1	"flStudyCaseBlocks"
VELOCITY	VB::Double	private	1	1.15

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
InitFloodAnalysis	<None>	public	☐	instance
CheckResults	VB::String	private	☐	instance
ClearAllTables	VB::String	private	☐	instance
CalculateBldgStockDmg	<None>	private	☐	instance
AssignProcessCodes	VB::Long	private	☐	instance
ValidateParms	<None>	public	☐	instance

4.2.23 Shelter Analysis (hzFlAnShelter) Library

Classification: clsAnBldgStockDmg

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Terminate	<None>	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance

Classification: CshelterDetail

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_selectionbits	VB::Long	private	1	
pct1StoryRES1	VB::Byte	private	1	
pct2StoryRES1	VB::Byte	private	1	
pct3StoryRES1	VB::Byte	private	1	
pctSplitLvl	VB::Byte	private	1	
pct1to2StryRES3	VB::Byte	private	1	
pct3to4StryRES3	VB::Byte	private	1	
pct5StryPlusRES3	VB::Byte	private	1	
PctLowRise	VB::Byte	private	1	
PctMediumRise	VB::Byte	private	1	
PctHighRise	VB::Byte	private	1	
BlockType	VB::String	private	1	
SchemeID	VB::String	private	1	
sSchemeName	VB::String	private	1	
cenBlock	VB::String	private	1	
m_strCon	VB::String	private	1	
FirmEntry	VB::Integer	private	1	
sSpOccup	External Classes::Collection	private	1	
sFoundType	External Classes::Collection	private	1	
sFoundDist	External Classes::Collection	private	1	
sFoundHt	External Classes::Collection	private	1	
sFirmType	VB::String	private	1	
sngSqFtOccup	External Classes::Collection	private	1	
sngDollExpOccup	External Classes::Collection	private	1	
iBldgCountOccup	External Classes::Collection	private	1	
SngDollContExpOccup	External Classes::Collection	private	1	
sngDepOccup	External Classes::Collection	private	1	
sngDepContExpOccup	External Classes::Collection	private	1	
m_sTitle	VB::String	private	1	"Building Stock Damage Analysis"
ConSvr	ADODB::Connection	private	1	
rsDmg	ADODB::Recordset	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Initialize	<None>	private	☐	instance
Class_Terminate	<None>	private	☐	instance
let_USelectionBit	<None>	public	☐	instance
get_censusBlock	VB::String	public	☐	instance
let_censusBlock	<None>	public	☐	instance
get_FIRMType	VB::String	public	☐	instance
let_FIRMType	<None>	public	☐	instance
get_RES1_1Story	VB::Byte	public	☐	instance
get_RES1_2Story	VB::Byte	public	☐	instance
get_RES1_3Story	VB::Byte	public	☐	instance
get_RES1_Splitlvl	VB::Byte	public	☐	instance
get_RES3_12Story	VB::Byte	public	☐	instance
get_RES3_34Story	VB::Byte	public	☐	instance
get_RES3_5PlusStory	VB::Byte	public	☐	instance
get_LowRise	VB::Byte	public	☐	instance
get_MediumRise	VB::Byte	public	☐	instance
get_HighRise	VB::Byte	public	☐	instance
get_CBlockType	VB::String	public	☐	instance
get_CBSchemeID	VB::String	public	☐	instance
get_SchemeName	VB::String	public	☐	instance
get_SpecificOccup	External Classes::Collection	public	☐	instance
get_FoundationDist	External Classes::Collection	public	☐	instance
get_FoundationType	External Classes::Collection	public	☐	instance
get_FoundationHt	External Classes::Collection	public	☐	instance
let_ConnectionString	<None>	public	☐	instance
get_SquareFootageOccup	External Classes::Collection	public	☐	instance
get_DollarExposure	External Classes::Collection	public	☐	instance
get_BuildingCount	External Classes::Collection	public	☐	instance
get_DollarContentExposure	External Classes::Collection	public	☐	instance
get_DepreciatedExposure	External Classes::Collection	public	☐	instance
get_DepreciatedContentExp	External Classes::Collection	public	☐	instance
Calculate	<None>	public	☐	instance
FoundationDetails	<None>	public	☐	instance
StockDetails	<None>	public	☐	instance

Classification: hzFlAnShelterlauncher

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_AnalysisBits	VB::Long	private	1	
m_WhatIfBits	VB::Long	private	1	
m_pMasterPaths	hzFlAnWorkFlow::ChzFlMasterPaths	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
let_MasterPaths	<None>	public	☐	instance
let_AnalysisBits	<None>	public	☐	instance
let_WhatIfBits	<None>	public	☐	instance
Class_Initialize	<None>	private	☐	instance
Class_Terminate	<None>	private	☐	instance
EntryPoint	<None>	public	☐	instance

Classification: modAnShelter

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_strSCRivPath	VB::String	private	1	
m_strSCRivLeveePath	VB::String	private	1	
m_strSCRivVelPath	VB::String	private	1	
m_strSCRivFlowRegPath	VB::String	private	1	
m_strSCCoastPath	VB::String	private	1	
m_strSCCoastLongTermPath	VB::String	private	1	
m_strSCCoastShoreProtPath	VB::String	private	1	
m_strResMsg	VB::String	private	1	
m_blnIntermediate	VB::Boolean	private	1	
m_blnIsErr	VB::Boolean	private	1	
m_blnCBPctRan	VB::Boolean	private	1	
fldlist( )	External Classes::Variant	private	1	
MODULE	VB::String	private	1	"modAnShelter - "
MSG_TITLE	VB::String	private	1	"Shelter Damage Analysis"
STATUSMAIN	VB::String	private	1	"Shelter Requirement Analysis"
BOUNDARYPOLY	VB::String	private	1	"BoundaryPoly"
BOUNDARYPOLYRP	VB::String	private	1	"BoundaryPolyRP"
COASTAL	VB::String	private	1	"Coastal"
HYDROLOGY	VB::String	private	1	"Hydrology"
RIVERINE	VB::String	private	1	"Riverine"
DIR_LEVEE	VB::String	private	1	"levee"
DIR_FLOWREG	VB::String	private	1	"flowreg"
DIR_LONGTERM	VB::String	private	1	"lterosion"
DIR_SHOREPROT	VB::String	private	1	"shoreprotect"
DIR_VELOCITY	VB::String	private	1	"Velocity"
FC_CENSUSBLOCK	VB::String	private	1	"hzCensusBlock"
FC_PRJSHELTER	VB::String	private	1	"PrjflShelter"
MDB_ANALYSIS	VB::String	private	1	"flAnShelterDB"
MDB_CASEOUTPUT	VB::String	private	1	"CaseOutput"
MDB_REGIONBNDRY	VB::String	private	1	"RegionBndry"
MDB_RESULTS	VB::String	private	1	"hzFlAnResults"
MDB_TEMP	VB::String	private	1	"Temp"
TAB_FRSHELTER	VB::String	private	1	"flFRShelter"
TAB_RESCTRL	VB::String	private	1	"flAnResultsControl"
TAB_RESSHELTER	VB::String	private	1	"flAnShelterResult"
TAB_SCBLOCKS	VB::String	private	1	"flStudyCaseBlocks"
CASE_VAR_HAS_REACHES	VB::String	private	1	"HAS_REACHES"
CASE_VAR_HAS_SHORELINES	VB::String	private	1	"HAS_SHORELINES"
CASE_VAR_HAS_RIV_FIT	VB::String	private	1	"HAS_RIV_FIT"
CASE_VAR_HAS_COAST_FIT	VB::String	private	1	"HAS_COAST_FIT"
CASE_VAR_HAS_RIV_DG	VB::String	private	1	"HAS_RIV_DG"
CASE_VAR_HAS_COAST_DG	VB::String	private	1	"HAS_COAST_DG"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
InitFloodAnalysis	<None>	public	☐	instance
ValidateParams	VB::Boolean	private	☐	instance
IsValidPath	VB::Boolean	private	☐	instance
IsValidDB	VB::Boolean	private	☐	instance
IsValidFClass	VB::Boolean	private	☐	instance
CheckResults	VB::String	private	☐	instance
ClearAllTables	VB::String	private	☐	instance
GetResultsTab	VB::String	private	☐	instance
CalculateShelterNeeds	<None>	private	☐	instance
InitAreaDmgAnalysis	<None>	private	☐	instance
CreateShelterGDB	<None>	private	☐	instance
AnalyseRiverine	VB::Boolean	private	☐	instance
AnalyseCoastal	VB::Boolean	private	☐	instance
AnalyseRiverine_Coastal	VB::Boolean	private	☐	instance
GetValidDepthGridPolygon	esriGeoDatabase::IEnumDataset	private	☐	instance
GetValidCoastalDepthGridPolygon	esriGeoDatabase::IEnumDataset	private	☐	instance
BufferValidGrdPoly	esriGeoDatabase::IFeatureClass	private	☐	instance
AnalyseDepthGrids	VB::Boolean	private	☐	instance
CompareSpatialReference	VB::Boolean	private	☐	instance
ModifySpatReference	VB::Boolean	private	☐	instance
IsExistsFClass	VB::Boolean	private	☐	instance
DefaultIndexGrid	VB::Double	private	☐	instance
DefaultIndexGridPoint	VB::Double	private	☐	instance
Min	External Classes::Variant	private	☐	instance
Max	External Classes::Variant	private	☐	instance
RecordLoadingErr	<None>	private	☐	instance
IsRelatedGeoms	VB::Boolean	private	☐	instance
CalculateCBPercentages	<None>	private	☐	instance
AddField	<None>	private	☐	instance
GetPctAreaAffected	VB::Boolean	private	☐	instance
UploadToAccessDB	VB::Boolean	private	☐	instance
UploadToSQL	VB::Boolean	private	☐	instance
GetCurrentAnalysisPath	VB::String	private	☐	instance
GetUiCoExtensionController	External Classes::hzCoExtensionController	private	☐	instance
ValidateParms	<None>	public	☐	instance

Classification: modFlShelterFncs

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_sTitle	VB::String	private	1	"Shelter Requirement Analysis"
m_ShelterAnTab	VB::String	private	1	"flAnShelterResult"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CreateTable	esriGeoDatabase::ITable	public	☐	instance
DeleteDataSet	<None>	public	☐	instance

Classification: modGetShelterValues

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_sTitle	VB::String	private	1	"Building Stock Damage Analysis"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
GetCommunityEntrance	VB::Integer	public	☐	instance
GetFoundationType	VB::Integer	public	☐	instance
GetPctValue	External Classes::Collection	public	☐	instance
GetPctStory	External Classes::Collection	public	☐	instance
BuildOccupID	VB::String	public	☐	instance
GetPctDmg	VB::Single	public	☐	instance
GetDmgFnID	VB::Long	public	☐	instance
GetInventoryFactor	VB::Double	public	☐	instance

4.2.24 Transportation Analysis (hzFlAnTransDmg) Library

Classification: clsAnBridgeDmg

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
Class_Terminate	<None>	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance

Classification: hzFlAnTransDmgLauncher

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pMasterPaths	hzFlAnWorkFlow::ChzFlMasterPaths	private	1	
m_strCon	VB::String	private	1	
m_lngSCID	VB::Long	private	1	
m_strRegionPath	VB::String	private	1	
m_strSCName	VB::String	private	1	
m_strSCRivPath	VB::String	private	1	
m_strSCRivLeveePath	VB::String	private	1	
m_strSCFlowRegPath	VB::String	private	1	
m_strSCCoastPath	VB::String	private	1	
m_strSCLongTermPath	VB::String	private	1	
m_strSCShorePath	VB::String	private	1	
m_blnLevee	VB::Boolean	private	1	
m_blnFlowReg	VB::Boolean	private	1	
m_blnVelocity	VB::Boolean	private	1	
m_blnLongTerm	VB::Boolean	private	1	
m_blnShore	VB::Boolean	private	1	
m_AnalysisBits	VB::Long	private	1	
m_WhatIfBits	VB::Long	private	1	
DIR_DEPTH	VB::String	private	1	"Depth"
DIR_FLOWREG	VB::String	private	1	"flowreg"
DIR_LONGTERM	VB::String	private	1	"lterosion"
DIR_SHORE	VB::String	private	1	"shoreprotect"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
let_MasterPaths	<None>	public	☐	instance
let_AnalysisBits	<None>	public	☐	instance
let_WhatIfBits	<None>	public	☐	instance
Class_Initialize	<None>	private	☐	instance
EntryPoint	<None>	public	☐	instance

Classification: modAnTrans

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pConn	ADODB::Connection	private	1	
m_lngSCID	VB::Long	private	1	
m_lngAnalysisBits	VB::Long	private	1	
m_lngWhatIfBits	VB::Long	private	1	
m_lngAnalysisCat	VB::Long	private	1	
m_intRP	VB::Integer	private	1	
m_intRPlo	VB::Integer	private	1	
m_intRPhi	VB::Integer	private	1	
m_strConn	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_strGridName	VB::String	private	1	
m_strDepthPath	VB::String	private	1	
m_strRetID	VB::String	private	1	
m_strAnType	VB::String	private	1	
m_strHazType	VB::String	private	1	
m_strCoastalZone	VB::String	private	1	
m_strQuickLook	VB::String	private	1	
m_strSCPath	VB::String	private	1	
m_strSCRivPath	VB::String	private	1	
m_strSCRivLeveeDepthPath	VB::String	private	1	
m_strSCRivFlowRegPath	VB::String	private	1	
m_strSCCoastPath	VB::String	private	1	
m_strSCCoastLongTermPath	VB::String	private	1	
m_strSCCoastShorePath	VB::String	private	1	
strBridgeTab(1 To 3)	VB::String	private	1	
strBridgeTabPK(1 To 3)	VB::String	private	1	
m_blnExactRP	VB::Boolean	private	1	
bOpt(1 To 3)	VB::Boolean	private	1	
m_blnRiv	VB::Boolean	private	1	
m_blnCoast	VB::Boolean	private	1	
MODULE	VB::String	private	1	"modAnTrans - "
DEPTH	VB::String	private	1	"Depth"
FLOWREG	VB::String	private	1	"flowreg"
QUICK	VB::String	private	1	"Quick"
LONGTERM	VB::String	private	1	"lterosion"
SHOREPROT	VB::String	private	1	"shoreprotect"
FC_ZONE	VB::String	private	1	"ZoneRP"
MDB_CASEOUTPUT	VB::String	private	1	"CaseOutput"
MDB_TRN	VB::String	private	1	"TRN"
MSG_TITLE	VB::String	private	1	"Bridge Analysis"
TAB_FRHIGHWAYBRIDGE	VB::String	private	1	"flFRHighwayBridge"
TAB_FRRAILWAYBRIDGE	VB::String	private	1	"flFRRailwayBridge"
TAB_FRLIGHTRAILBRIDGE	VB::String	private	1	"flFRLightRailBridge"
TAB_RESULTSCONTROL	VB::String	private	1	"flAnResultsControl"
EXPERT_SET_VALUE	VB::Double	private	1	0.25

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
InitTransAnalysis	<None>	public	☐	instance
GetBoolOpts	<None>	private	☐	instance
RunAnalysis	VB::Boolean	private	☐	instance
ValidDepthPath	VB::Boolean	private	☐	instance
Conn2Hazus	VB::Boolean	private	☐	instance
DontRunAnalysis	VB::Boolean	private	☐	instance
ClearAllTables	VB::Boolean	private	☐	instance
DefineTransAnalysis	<None>	private	☐	instance
GetPointCol	VB::Boolean	private	☐	instance
AnalyzeThis	VB::Boolean	private	☐	instance
CalculateThat	VB::Boolean	private	☐	instance
GetDmgFn	VB::Double	private	☐	instance
InterpolateDmgFn	VB::Double	private	☐	instance
DisconnectFromHazus	<None>	private	☐	instance
GetCoastalZone	VB::String	private	☐	instance
GetCoastalZoneVal	VB::String	private	☐	instance
GetCurrentAnalysisPath	VB::String	private	☐	instance
ValidateParms	<None>	public	☐	instance
INI_FILE_Get	VB::String	public	☐	instance
INI_FILE_Get_Bool	VB::Boolean	public	☐	instance

4.2.25 Utility Analysis (hzFlAnUtilDmg) Library

Classification: clsAnUtilDmg

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Terminate	<None>	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance

Classification: hzFlAnUtilDmglauncher

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pMasterPaths	hzFlAnWorkFlow::ChzFlMasterPaths	private	1	
m_ColDepthpaths	External Classes::Collection	private	1	
m_lngSCID	VB::Long	private	1	
m_strCon	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_strSCName	VB::String	private	1	
m_strSCRivPath	VB::String	private	1	
m_strSCRivLeveePath	VB::String	private	1	
m_strSCFlowRegPath	VB::String	private	1	
m_strSCCoastPath	VB::String	private	1	
m_strSCLongTermPath	VB::String	private	1	
m_strSCShorePath	VB::String	private	1	
m_blnLevee	VB::Boolean	private	1	
m_blnFlowReg	VB::Boolean	private	1	
m_blnLongTerm	VB::Boolean	private	1	
m_blnShore	VB::Boolean	private	1	
m_AnalysisBits	VB::Long	private	1	
m_WhatIfBits	VB::Long	private	1	
DIR_DEPTH	VB::String	private	1	"Depth"
DIR_FLOWREG	VB::String	private	1	"flowreg"
DIR_LONGTERM	VB::String	private	1	"lterosion"
DIR_SHORE	VB::String	private	1	"shoreprotect"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
let_MasterPaths	<None>	public	☐	instance
let_AnalysisBits	<None>	public	☐	instance
let_WhatIfBits	<None>	public	☐	instance
let_DepthPaths	<None>	public	☐	instance
Class_Initialize	<None>	private	☐	instance
EntryPoint	<None>	public	☐	instance

Classification: modAnUtil

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pProjInfo	hzFlAnUtilDmg::clsFITGrdInfo	private	1	
m_pRsCnx	ADODB::Connection	private	1	
m_pConSvr	ADODB::Connection	private	1	
m_pRsFIT	ADODB::Recordset	private	1	
m_pRsHAZ	ADODB::Recordset	private	1	
m_pColDepthPaths	External Classes::Collection	private	1	
m_pColDepthPaths1	External Classes::Collection	private	1	
m_pColMessage	External Classes::Collection	private	1	
m_lngSCID	VB::Long	private	1	
m_lngHazEnum	VB::Long	private	1	
m_lngAnalysisID	VB::Long	private	1	
m_lngFac	VB::Long	private	1	
m_lngAnCat	VB::Long	private	1	
m_strCon	VB::String	private	1	
m_strAnType	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_strGridName	VB::String	private	1	
m_strDepthPath	VB::String	private	1	
m_strHazType	VB::String	private	1	
m_strFacility( )	VB::String	private	1	
m_strRetID	VB::String	private	1	
m_strSCPath	VB::String	private	1	
m_strSCRivPath	VB::String	private	1	
m_strSCRivDepthPath	VB::String	private	1	
m_strSCCoastPath	VB::String	private	1	
m_strSCRivLeveePath	VB::String	private	1	
m_strSCRivFlowRegPath	VB::String	private	1	
m_strSCCoastLongTermPath	VB::String	private	1	
m_strSCCoastShorePath	VB::String	private	1	
m_strCoastalZone	VB::String	private	1	
m_strQuickLook	VB::String	private	1	
m_strMessage	VB::String	private	1	
m_blnINIExists	VB::Boolean	private	1	
blnRiv	VB::Boolean	private	1	
blnCoast	VB::Boolean	private	1	
blnFIT	VB::Boolean	private	1	
m_blnIsErr	VB::Boolean	private	1	
MODULE	VB::String	private	1	"modAnUtil - "
DEPTH	VB::String	private	1	"Depth"
FIT	VB::String	private	1	"FIT"

FLOWREG	VB::String	private	1	"flowreg"
QUICK	VB::String	private	1	"Quick"
LONGTERM	VB::String	private	1	"lterosion"
SHOREPROT	VB::String	private	1	"shoreprotect"
FC_ZONE	VB::String	private	1	"ZoneRP"
MDB_CASEOUTPUT	VB::String	private	1	"CaseOutput"
MSG_TITLE	VB::String	private	1	"Utility Damage"
MDB_UTIL	VB::String	private	1	"UTIL"
MDB_RESULTS	VB::String	private	1	"flUtilResults"
TAB_FLEFRSFN	VB::String	private	1	"flRsFnEssntFlty"
TAB_FLUTILDMG	VB::String	private	1	"flUtilFltyDmgFn"
TAB_FLUTILDMGXREF	VB::String	private	1	"flUtilFltyDmgXRef"
TAB_FLUTILRSFN	VB::String	private	1	"flUtilFltyDmgUnionDetails"
TAB_RESULTSCONTROL	VB::String	private	1	"flAnResultsControl"

Classification: modFlUtilOptions

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
INI_FILE_Get	VB::String	public	☐	instance
CreateAccessGeodatabase	<None>	public	☐	instance

4.2.26 Vehicle Analysis (hzFlAnVehDmg) Library

Classification: clsAnVehDmg

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Terminate	<None>	private	☐	instance
get_ICommand_Bitmap	esriSystem::OLE_HANDLE	private	☐	instance
get_ICommand_Caption	VB::String	private	☐	instance
get_ICommand_Category	VB::String	private	☐	instance
get_ICommand_Checked	VB::Boolean	private	☐	instance
get_ICommand_Enabled	VB::Boolean	private	☐	instance
get_ICommand_HelpContextID	VB::Long	private	☐	instance
get_ICommand_HelpFile	VB::String	private	☐	instance
get_ICommand_Message	VB::String	private	☐	instance
get_ICommand_Name	VB::String	private	☐	instance
ICommand_OnClick	<None>	private	☐	instance
ICommand_OnCreate	<None>	private	☐	instance
get_ICommand_Tooltip	VB::String	private	☐	instance

Classification: hzFlAnVehDmglauncher

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_AnalysisBits	VB::Long	private	1	
m_WhatIfBits	VB::Long	private	1	
m_pMasterPaths	hzFlAnWorkFlow::ChzFlMasterPaths	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
let_MasterPaths	<None>	public	☐	instance
let_AnalysisBits	<None>	public	☐	instance
let_WhatIfBits	<None>	public	☐	instance
Class_Initialize	<None>	private	☐	instance
Class_Terminate	<None>	private	☐	instance
EntryPoint	<None>	public	☐	instance

Classification: modAnVehDmg

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
MessErr	VB::String	public	1	
m_pApp	esriFramework::IApplication	private	1	
ConSvr	ADODB::Connection	private	1	
rsBldg1	ADODB::Recordset	private	1	
m_lngSCID	VB::Long	private	1	
m_lngWhatIf	VB::Long	private	1	
m_lngAnalysisID	VB::Long	private	1	
m_lngCat	VB::Long	private	1	
m_lngHazEnum	VB::Long	private	1	
m_dblMainPrg	VB::Double	private	1	
m_dblSecPrg	VB::Double	private	1	
m_dblFWVeh	VB::Double	private	1	
m_strCon	VB::String	private	1	
m_strSCPath	VB::String	private	1	
m_strResMsg	VB::String	private	1	
m_blnIntermediate	VB::Boolean	private	1	
MODULE	VB::String	private	1	"modAnVehDmg - "
MSG_TITLE	VB::String	private	1	"General Vehicle Damage Analysis "
STATUSMAIN	VB::String	private	1	"Vehicle Analysis"
TAB_RESCTRL	VB::String	private	1	"flAnResultsControl"
TAB_SCBLOCKS	VB::String	private	1	"flStudyCaseBlocks"
TAB_VEHDMG	VB::String	private	1	"flFRVehicleDamage"
TAB_VEHLOSS	VB::String	private	1	"flFRVehicleLoss"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
InitFloodAnalysis	<None>	public	☐	instance
CalculateVehDmg	<None>	private	☐	instance
CheckResults	VB::String	private	☐	instance
ClearAllTables	VB::String	private	☐	instance
DoFloodWarning	VB::Boolean	private	☐	instance
ValidateParms	<None>	public	☐	instance

4.2.27 Indirect Economic Loss Model (hzFlAnIELM) Library

Classification: ChzFlIndEcoLoss

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlIndEcoLoss	<None>	public	☐	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
ComputeIndEcoLoss	<None>	private	☐	instance
DetIndEcoLoss	<None>	protected	☐	instance
ErrorHandler	<None>	private	☐	instance
ExpAndRepayment	<None>	protected	☐	instance
GetConexp	<None>	private	☐	instance
GetSectorIncEmpOut	<None>	private	☐	instance
GetSectorStimulus	<None>	private	☐	instance
GetStudyAreaSize	<None>	private	☐	instance
GetUnknown	<None>	public	☐	instance
InitVariables	<None>	private	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
Level1Analysis	<None>	private	☐	instance
Level2Analysis	<None>	private	☐	instance
LoadDLArray	<None>	private	☐	instance
LoadEmployment	<None>	private	☐	instance
LoadOrigExports	<None>	private	☐	instance
LoadOrigHHLDdemand	<None>	private	☐	instance
LoadParm6	<None>	private	☐	instance
LoadParm7	<None>	private	☐	instance
LoadPosHHLDdemand	<None>	private	☐	instance
LoadTotalOutput	<None>	private	☐	instance
LoadXactionMatrix	<None>	private	☐	instance
MaxXD	<None>	private	☐	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
Run	<None>	public	☑	instance
StoreII	<None>	private	☐	instance
SumArrayElements	<None>	private	☐	instance
TransformResults	<None>	private	☐	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlMenuInfo

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
Argument	<unspecified>	public	1	
Caption	<unspecified>	public	1	
EnableRule	<unspecified>	public	1	
Guid	<unspecified>	public	1	
m_Group	<unspecified>	protected	1	
MenuAction	<unspecified>	public	1	
MenuId	<unspecified>	public	1	
Message	<unspecified>	public	1	
ParentMenuId	<unspecified>	public	1	
Position	<unspecified>	public	1	
SubType	<unspecified>	public	1	
Tooltip	<unspecified>	public	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlMenuInfo	<None>	public	☐	instance
ChzFlMenuInfo	<None>	public	☐	instance
_bstr_t::~_bstr_t	<None>	public	☐	instance
~ChzFlMenuInfo	<None>	public	☑	instance
Group	<None>	public	☐	instance

4.3 Presentation Layer Detailed Design Description

4.3.1 Entry Points (hzFlEntryPoints) Library

Classification: ChzFlAnalysisSelection

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
Category	VB::Long	public	1	
Selection	VB::Long	public	1	

Classification: ChzFlEntryPoints

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
kDEBUG_ON	<unspecified>	private	1	False
m_IApplication	esriArcMap::Application	private	1	
m_jpWfHelper	External Classes::hzFlWfHelpers	private	1	
RGN_VAR_DEM_DATASET_COUNT	<unspecified>	private	1	"DEM_DataSet_Count"
RGN_VAR_DEM_DATASET	<unspecified>	private	1	"DEM_DataSet"
RGN_VAR_FIT_PATH_COUNT_RIVER	<unspecified>	private	1	"FIT_Path_Count_River"
RGN_VAR_FIT_PATH_RIVER	<unspecified>	private	1	"FIT_Path_River"
RGN_VAR_FIT_PATH_COUNT_COAST	<unspecified>	private	1	"FIT_Path_Count_Coast"
RGN_VAR_FIT_PATH_COAST	<unspecified>	private	1	"FIT_Path_Coast"
RGN_VAR_DG_PATH_COUNT_RIVER	<unspecified>	private	1	"DepthGrid_Path_Count_River"
RGN_VAR_DG_PATH_RIVER	<unspecified>	private	1	"DepthGrid_Path_River"
RGN_VAR_DG_RPD_RIVER	<unspecified>	private	1	"DepthGrid_RPD_River"
RGN_VAR_DG_UNITS_RIVER	<unspecified>	private	1	"DepthGrid_Units_River"
RGN_VAR_DG_PATH_COUNT_COAST	<unspecified>	private	1	"DepthGrid_Path_Count_Coast"
RGN_VAR_DG_PATH_COAST	<unspecified>	private	1	"DepthGrid_Path_Coast"
RGN_VAR_DG_RPD_COAST	<unspecified>	private	1	"DepthGrid_RPD_Coast"
RGN_VAR_DG_UNITS_COAST	<unspecified>	private	1	"DepthGrid_Units_Coast"
RGN_VAR_DFIRM_PATH_COUNT_RIVER	<unspecified>	private	1	"DFIRM_Path_Count_River"
RGN_VAR_DFIRM_PATH_RIVER	<unspecified>	private	1	"DFIRM_Path_River"
RGN_VAR_DFIRM_PATH_COUNT_COAST	<unspecified>	private	1	"DFIRM_Path_Count_Coast"
RGN_VAR_DFIRM_PATH_COAST	<unspecified>	private	1	"DFIRM_Path_Coast"
RGN_VAR_VERTICAL_DATUM	<unspecified>	private	1	"Vertical_Datum"
RGN_VAR_VERTICAL_UNITS	<unspecified>	private	1	"Vertical_Units"
RGN_VAR_DRAINAGE_AREA	<unspecified>	private	1	"Drainage_Area"
CASE_VAR_ANAL_OPTNCOUNT	<unspecified>	private	1	"Analysis_Option_Count"
CASE_VAR_ANAL_OPTNCAT	<unspecified>	private	1	"Analysis_Option_Category"
CASE_VAR_ANAL_OPTNS	<unspecified>	private	1	"Analysis_Options"
CASE_VAR_SELECTED_RTN_PERIOD	<unspecified>	private	1	"Selected_Rtn_Period"
RGN_VAR_FLOOD_DATE	<unspecified>	private	1	"Flood_Date"
RGN_VAR_HAZ_TYPE	<unspecified>	private	1	"Hazard_Type"
RGN_VAR_SHLTR_INGRESS	<unspecified>	private	1	"Shelter_Ingress"
RGN_VAR_SHLTR_EVACBUF	<unspecified>	private	1	"Shelter_EvacBuffer"
RGN_VAR_SHLTR_PCTAFF	<unspecified>	private	1	"Shelter_Pct_Affected"
CASE_VAR_FLD_WARN_SLR	<unspecified>	private	1	"FW_Structure_Loss_Reduction"
CASE_VAR_FLD_WARN_CLR	<unspecified>	private	1	"FW_Content_Loss_Reduction"
CASE_VAR_FLD_WARN_ILR	<unspecified>	private	1	"FW_Inventory_Loss_Reduction"
CASE_VAR_FLD_WARN_SVM	<unspecified>	private	1	"FW_Vehicles_Moved"
m_StudyCaseId	VB::Long	private	1	
m_StudyCaseName	VB::String	private	1	
m_StudyCaseDescr	VB::String	private	1	
m_StudyCasePath	VB::String	private	1	
m_StudyRegionName	VB::String	private	1	
m_StudyRegionDescr	VB::String	private	1	
m_StudyRegionPath	VB::String	private	1	

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_StreamDrainArea	VB::Double	private	1	
m_floodDate	VB::String	private	1	
m_DemFullPath	VB::String	private	1	
m_DemPath	VB::String	private	1	
m_DemCount	VB::Integer	private	1	
m_DemCollection	External Classes::Collection	private	1	
m_DemName	VB::String	private	1	
m_DemDatum	VB::String	private	1	
m_DemUnits	VB::String	private	1	
m_FitRiverineCount	VB::Integer	private	1	
m_FitRiverinePaths	External Classes::Collection	private	1	
m_FitCoastalCount	VB::Integer	private	1	
m_FitCoastalPaths	External Classes::Collection	private	1	
m_FitPathsCombined	External Classes::Collection	private	1	
m_DepthGridRiverineCount	VB::Integer	private	1	
m_DepthGridRiverinePaths	External Classes::Collection	private	1	
m_DepthGridRiverineRPD	External Classes::Collection	private	1	
m_DepthGridRiverineUnits	External Classes::Collection	private	1	
m_DepthGridCoastalCount	VB::Integer	private	1	
m_DepthGridCoastalPaths	External Classes::Collection	private	1	
m_DepthGridCoastalRPD	External Classes::Collection	private	1	
m_DepthGridCoastalUnits	External Classes::Collection	private	1	
m_DepthGridPathsCombined	External Classes::Collection	private	1	
m_DfirmRiverineCount	VB::Integer	private	1	
m_DfirmRiverinePaths	External Classes::Collection	private	1	
m_DfirmCoastalCount	VB::Integer	private	1	
m_DfirmCoastalPaths	External Classes::Collection	private	1	
m_DfirmPathsCombined	External Classes::Collection	private	1	
m_Datapath	VB::String	private	1	
m_StudyRgnConn	VB::String	private	1	
m_Success	VB::Boolean	private	1	
m_LastModule	VB::String	private	1	
m_IncludeQuickLook	VB::Boolean	private	1	
m_LeaveIntermediates	VB::Boolean	private	1	
m_DebugMsgs	VB::Boolean	private	1	
m_HazardType	External Classes::hzFlRivCoas...	private	1	
mShltr_ingress	VB::Long	private	1	
mShltr_EvacBuff	VB::Long	private	1	
mShltr_PctAff	VB::Long	private	1	
m_FWStructReduce	VB::Long	private	1	
m_FWContentReduce	VB::Long	private	1	
m_FWInvReduce	VB::Long	private	1	
m_FWVehicle	VB::Long	private	1	
m_selRtnPeriod	VB::String	private	1	
m_MasterPaths	hzFlAnWorkFlow::ChzFlMasterPaths	private	1	
m_HazardVariables	hzFlAnWorkFlow::CHazardVariables	private	1	
m_strVerticalUnits	VB::String	private	1	"Feet"
m_strUserData	VB::String	private	1	"UserData"
m_strFIT	VB::String	private	1	"FIT"
m_strRiverine	VB::String	private	1	"Riverine"
m_strCoastal	VB::String	private	1	"Coastal"

Classification: ChzFlGenericPointers

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_IApplication	esriArcMap::Application	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
set_ApplicationPtr	<None>	public	☐	instance
get_Application	esriArcMap::Application	public	☐	instance
get_WfHelperPtr	External Classes::hzFlWfHelpers	public	☐	instance

Classification: ChzFlLossCalcController

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_hook	VB::Object	private	1	
m_AnalysisBits(aoBeginCategories + 1 To aoEndCategories - 1)	VB::Long	private	1	
m_WhatIfBits	VB::Long	private	1	
m_FitPathsCombined	External Classes::Collection	private	1	
m_MasterPaths	hzFlAnWorkFlow::ChzFlMasterPaths	private	1	
m_AreaWeightedDone	VB::Boolean	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
let_MasterPaths	<None>	public	☐	instance
let_FitPathsCombined	<None>	public	☐	instance
CalculateLoss	<None>	public	☐	instance
DoBldg	<None>	private	☐	instance
DoEF	<None>	private	☐	instance
DoUDef	<None>	private	☐	instance
DoTran	<None>	private	☐	instance
DoUtil	<None>	private	☐	instance
DoAg	<None>	private	☐	instance
DoVeh	<None>	private	☐	instance
DoDebris	<None>	private	☐	instance
DoDirect	<None>	private	☐	instance
DoIndirectLoss	<None>	private	☐	instance
sleep	<None>	private	☐	instance
DoQuickLook	<None>	private	☐	instance
DoWeightedArea	<None>	private	☐	instance
Class_Initialize	<None>	private	☐	instance

4.3.2 Tabular Data Browser (hzFlBrowser) Control

Classification: AbstractPropertyManager

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
getBoolValue	<None>	public	☑	instance
getIntValue	<None>	public	☑	instance
getIntValue	<None>	public	☑	instance
getStringValue	<None>	public	☑	instance
getStringValue	<None>	public	☑	instance
loadProperties	<None>	public	☑	instance

Classification: CADOConnectionEvents

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_ulRefCount	<unspecified>	public	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CADOConnectionEvents	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
raw_BeginTransComplete	<None>	public	☑	instance
raw_CommitTransComplete	<None>	public	☑	instance
raw_ConnectComplete	<None>	public	☑	instance
raw_Disconnect	<None>	public	☑	instance
raw_ExecuteComplete	<None>	public	☑	instance
raw_InfoMessage	<None>	public	☑	instance
raw_RollbackTransComplete	<None>	public	☑	instance
raw_WillConnect	<None>	public	☑	instance
raw_WillExecute	<None>	public	☑	instance
Release	<None>	public	☑	instance

Classification: CADORecordsetEvents

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_ulRefCount	<unspecified>	public	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CADORecordsetEvents	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
raw_EndOfRecordset	<None>	public	☑	instance
raw_FetchComplete	<None>	public	☑	instance
raw_FetchProgress	<None>	public	☑	instance
raw_FieldChangeComplete	<None>	public	☑	instance
raw_MoveComplete	<None>	public	☑	instance
raw_RecordChangeComplete	<None>	public	☑	instance
raw_RecordsetChangeComplete	<None>	public	☑	instance
raw_WillChangeField	<None>	public	☑	instance
raw_WillChangeRecord	<None>	public	☑	instance
raw_WillChangeRecordset	<None>	public	☑	instance
raw_WillMove	<None>	public	☑	instance
Release	<None>	public	☑	instance

Classification: CCallback

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
callback	<None>	public	☑	instance

Classification: CCnEvents

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_callback	<unspecified>	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CCnEvents	<None>	public	☐	instance
raw_BeginTransComplete	<None>	public	☑	instance
raw_CommitTransComplete	<None>	public	☑	instance
raw_ConnectComplete	<None>	public	☑	instance
raw_Disconnect	<None>	public	☑	instance
raw_ExecuteComplete	<None>	public	☑	instance
raw_InfoMessage	<None>	public	☑	instance
raw_RollbackTransComplete	<None>	public	☑	instance
raw_WillConnect	<None>	public	☑	instance
raw_WillExecute	<None>	public	☑	instance
setCallback	<None>	public	☐	instance

Classification: CColumnInfo

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
Alias	<unspecified>	public	1	
MethodAlias	<unspecified>	public	1	
MethodName	<unspecified>	public	1	
MethodTableName	<unspecified>	public	1	
Name	<unspecified>	public	1	
TableName	<unspecified>	public	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CColumnInfo	<None>	public	☐	instance
~CColumnInfo	<None>	public	☑	instance

Classification: CFormControl

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
_messageEntries	<unspecified>	private	1	
classCFormControl	<unspecified>	public	1	
m_bAutoSize	<unspecified>	protected	1	
m_cTemplateSize	<unspecified>	protected	1	
m_hWndCurrentChild	<unspecified>	protected	1	
m_lpszTemplateName	<unspecified>	protected	1	
m_pOccDialogInfo	<unspecified>	protected	1	
m_sFormName	<unspecified>	protected	1	
messageMap	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CFormControl	<None>	public	☐	instance
CFormControl	<None>	public	☐	instance
CFormControl	<None>	public	☐	instance
~CFormControl	<None>	public	☑	instance
_GetBaseClass	<None>	protected	☐	classifier
_GetBaseMessageMap	<None>	protected	☐	classifier
CreateControlWindow	<None>	protected	☑	instance
CreateObject	<None>	public	☐	classifier
GetClassID	<None>	protected	☑	instance
GetControlFlags	<None>	public	☑	instance
GetExtendedProp	<None>	protected	☐	instance
GetFormName	<None>	protected	☐	instance
GetMessageMap	<None>	protected	☑	instance
GetMiscStatus	<None>	protected	☑	instance
GetRuntimeClass	<None>	public	☑	instance
GetUserTypeNameID	<None>	protected	☑	instance
HandleInitDialog	<None>	protected	☐	instance
OnActivateControl	<None>	public	☐	instance
OnContextMenu	<None>	protected	☐	instance
OnDraw	<None>	public	☑	instance
OnInitialUpdate	<None>	public	☑	instance
OnLButtonDblClk	<None>	protected	☐	instance
OnLButtonDown	<None>	protected	☐	instance
OnLButtonUp	<None>	protected	☐	instance
OnMButtonDblClk	<None>	protected	☐	instance
OnMButtonDown	<None>	protected	☐	instance
OnMButtonUp	<None>	protected	☐	instance
OnMouseActivate	<None>	protected	☐	instance
OnMouseMove	<None>	protected	☐	instance
OnRButtonDblClk	<None>	protected	☐	instance
OnRButtonDown	<None>	protected	☐	instance
OnRButtonUp	<None>	protected	☐	instance
OnSetExtent	<None>	public	☑	instance
OnSetFocus	<None>	protected	☐	instance
PreTranslateMessage	<None>	public	☑	instance
SetOccDialogInfo	<None>	protected	☑	instance

Classification: CHzFlBrowserApp

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ExitInstance	<None>	public	☑	instance
InitInstance	<None>	public	☑	instance

Classification: CHzFlBrowserCtrl

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
_dispatchEntries	<unspecified>	private	1	
_dispatchEntryCount	<unspecified>	private	1	
_dwStockEventMask	<unspecified>	private	1	
_dwStockPropMask	<unspecified>	private	1	
_eventEntries	<unspecified>	private	1	
_eventsinkEntries	<unspecified>	private	1	
_eventsinkEntryCount	<unspecified>	private	1	
_messageEntries	<unspecified>	private	1	
classCHzFlBrowserCtrl	<unspecified>	public	1	
combo1GPane	<unspecified>	protected	1	
combo1GPaneWide	<unspecified>	protected	1	
combo2GPane	<unspecified>	protected	1	
combo2GPaneWide	<unspecified>	protected	1	
combo3GPane	<unspecified>	protected	1	
combo3GPaneWide	<unspecified>	protected	1	
dataControlPane	<unspecified>	protected	1	
dispatchMap	<unspecified>	protected	1	
eventMap	<unspecified>	protected	1	
eventsinkMap	<unspecified>	protected	1	
factory	<unspecified>	protected	1	
grid1Pane	<unspecified>	protected	1	
grid2Pane	<unspecified>	protected	1	
guid	<unspecified>	public	1	
m_analysisOptions	<unspecified>	private	1	
m_bDrawn	<unspecified>	protected	1	
m_bHideDataControl	<unspecified>	private	1	
m_bHideSpecialVScrollControl	<unspecified>	private	1	
m_bHideStudyCaseCheck	<unspecified>	private	1	
m_bInited	<unspecified>	protected	1	
m_bLayoutIsInitializing	<unspecified>	private	1	
m_bMapButtonEnabled	<unspecified>	private	1	
m_boxGrid1	<unspecified>	public	1	
m_boxGrid2	<unspecified>	public	1	
m_boxRadios	<unspecified>	public	1	
m_boxResults	<unspecified>	public	1	
m_bStudyCaseNetworkCreated	<unspecified>	private	1	
m_btnCancel	<unspecified>	public	1	
m_btnEnd	<unspecified>	public	1	
m_btnLibrary	<unspecified>	public	1	
m_btnMap	<unspecified>	public	1	
m_btnNext2	<unspecified>	public	1	
m_btnNext	<unspecified>	public	1	
m_btnPrev	<unspecified>	public	1	
m_btnRadio1	<unspecified>	public	1	

Classification: CHzFlBrowserCtrl Attributes (Continued)

Attribute	Type	Visibility	Multiplicity	Init. Value
m_btnRadio2	<unspecified>	public	1	
m_btnStart	<unspecified>	public	1	
m_check1	<unspecified>	public	1	
m_col	<unspecified>	private	1	
m_combo1	<unspecified>	public	1	
m_combo2	<unspecified>	public	1	
m_combo3	<unspecified>	public	1	
m_controls	<unspecified>	private	1	
m_csCountyFipsList	<unspecified>	protected	1	
m_csNextID	<unspecified>	private	1	
m_fLatitude	<unspecified>	private	1	
m_grid2	<unspecified>	public	1	
m_grid	<unspecified>	public	1	
m_gridName	<unspecified>	private	1	
m_iniDirectory	<unspecified>	protected	1	
m_invalidCol	<unspecified>	private	1	
m_invalidRow	<unspecified>	private	1	
m_isRecordsetDirty	<unspecified>	protected	1	
m_layerName	<unspecified>	private	1	
m_layoutName	<unspecified>	private	1	
m_lblReturnPeriod	<unspecified>	public	1	
m_lblStudyCase	<unspecified>	public	1	
m_lLongitude	<unspecified>	private	1	
m_lStudyCaseID	<unspecified>	protected	1	
m_msgToShow	<unspecified>	private	1	
m_pGm1	<unspecified>	private	1	
m_pGm2	<unspecified>	private	1	
m_pPropertyManager	<unspecified>	protected	1	
m_prevLayoutNames	<unspecified>	private	1	
m_pRsCounties	<unspecified>	private	1	
m_radio1	<unspecified>	public	1	
m_returnPeriod	<unspecified>	private	1	
m_row	<unspecified>	private	1	
m_savedCombo1Index	<unspecified>	private	1	
m_studyCase	<unspecified>	private	1	
m_TableName	<unspecified>	private	1	
m_tabs	<unspecified>	public	1	
m_tfRecordNumber	<unspecified>	public	1	
m_useIniFile	<unspecified>	protected	1	
m_viewAliasName	<unspecified>	private	1	
messageMap	<unspecified>	protected	1	
oneGridLayout	<unspecified>	protected	1	
oneGridNoTabsLayout	<unspecified>	protected	1	
oneGridNoTopLayout	<unspecified>	protected	1	
oneGridTabsOnlyLayout	<unspecified>	protected	1	
radiosPane	<unspecified>	protected	1	
resultsPane	<unspecified>	protected	1	
s	<unspecified>	private	1	
tabPane	<unspecified>	protected	1	
topPane	<unspecified>	protected	1	
twoGridLayout	<unspecified>	protected	1	
twoGridsNoTabsLayout	<unspecified>	protected	1	
twoGridsNoTopLayout	<unspecified>	protected	1	
twoGridsTabsOnlyLayout	<unspecified>	protected	1	

Classification: CHzFlBrowserPropPage

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
_messageEntries	<unspecified>	private	1	
classCHzFlBrowserPropPage	<unspecified>	public	1	
factory	<unspecified>	protected	1	
guid	<unspecified>	public	1	
messageMap	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CHzFlBrowserPropPage	<None>	public	☐	instance
_GetBaseClass	<None>	protected	☐	classifier
_GetBaseMessageMap	<None>	protected	☐	classifier
CreateObject	<None>	public	☐	classifier
DoDataExchange	<None>	protected	☑	instance
GetClassID	<None>	public	☑	instance
GetMessageMap	<None>	protected	☑	instance
GetRuntimeClass	<None>	public	☑	instance

Classification: CHzFlBrowserPropPage Operations (Continued)

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CHzFlBrowserCtrl	<None>	public	☐	instance
~CHzFlBrowserCtrl	<None>	public	☑	instance
_GetBaseClass	<None>	protected	☐	classifier
_GetBaseDispatchMap	<None>	protected	☐	classifier
_GetBaseEventSinkMap	<None>	protected	☐	classifier
_GetBaseMessageMap	<None>	protected	☐	classifier
AboutBox	<None>	protected	☐	instance
addStudyCaseBlocksClause	<None>	protected	☐	instance
applyFilters	<None>	protected	☐	instance
applyResultsFilters	<None>	protected	☐	instance
askSaveChanges	<None>	protected	☐	instance
canAddOrDelete	<None>	protected	☐	instance
canShowMetaData	<None>	protected	☐	instance
chooseLayout	<None>	protected	☐	instance
CreateObject	<None>	public	☐	classifier
doAddProc	<None>	protected	☐	instance
DoDataExchange	<None>	public	☑	instance
doPostProc	<None>	protected	☐	instance
doPreProc	<None>	protected	☐	instance
doProc	<None>	protected	☐	instance
DoPropExchange	<None>	public	☑	instance
doSubstitutions	<None>	protected	☐	instance
DTI_AddRecord	<None>	protected	☐	instance
fillComboFromQuery	<None>	protected	☐	instance
FireMapColumn	<None>	protected	☐	instance
FireOnClose	<None>	protected	☐	instance
FireSetCaption	<None>	protected	☐	instance
FireShowDataDictionary	<None>	protected	☐	instance
FireShowLibrary	<None>	protected	☐	instance
FireShowMetaData	<None>	protected	☐	instance
freeComboList	<None>	protected	☐	instance
GetAnalysisOptions	<None>	protected	☐	instance
getBoolValue	<None>	protected	☐	instance
GetClassID	<None>	public	☑	instance
getCoordinate	<None>	protected	☐	instance
getCountyFipsFilters	<None>	protected	☐	instance
GetDispatchMap	<None>	protected	☑	instance
GetEventMap	<None>	protected	☑	instance
GetEventSinkMap	<None>	protected	☑	instance
getFilters	<None>	protected	☐	instance
GetHideDataControl	<None>	protected	☐	instance
GetHideSpecialVScrollControl	<None>	protected	☐	instance
GetHideStudyCaseCheck	<None>	protected	☐	instance
getHzTableName	<None>	protected	☐	instance

Classification: CHzFlBrowserPropPage Operations (Continued)

getIntValue	<None>	protected	☐	instance
getIntValue	<None>	protected	☐	instance
GetLayerName	<None>	protected	☐	instance
GetLayoutName	<None>	protected	☐	instance
GetMessageMap	<None>	protected	☑	instance
GetMiscStatus	<None>	protected	☑	instance
getNextID	<None>	protected	☐	instance
getOrderBy	<None>	protected	☐	instance
GetPropPageIDs	<None>	protected	☑	instance
getQuery	<None>	protected	☐	instance
GetReturnPeriod	<None>	protected	☐	instance
GetRuntimeClass	<None>	public	☑	instance
getStringValue	<None>	protected	☐	instance
getStringValue	<None>	protected	☐	instance
GetStudyCase	<None>	protected	☐	instance
GetStudyCaseID	<None>	protected	☐	instance
GetStudyCaseNetworkCreated	<None>	protected	☐	instance
GetTypeInfoCount	<None>	protected	☑	instance
GetTypeLib	<None>	protected	☑	instance
GetTypeLibCache	<None>	protected	☑	instance
GetUserTypeNameID	<None>	protected	☑	instance
hasBuddy	<None>	protected	☐	instance
hideControls	<None>	protected	☐	instance
initDataControl	<None>	protected	☐	instance
initializeLayout	<None>	protected	☐	instance
isCellInvalid	<None>	protected	☐	instance
isRowInvalid	<None>	protected	☐	instance
isRowSumInvalid	<None>	protected	☐	instance
loadCountyCombo	<None>	protected	☐	instance
OnAddRow	<None>	protected	☐	instance
OnButtonBack	<None>	protected	☐	instance
OnButtonClickedSpread1	<None>	protected	☐	instance
OnButtonLibrary	<None>	protected	☐	instance
OnButtonMap	<None>	protected	☐	instance
OnButtonNext	<None>	protected	☐	instance
OnCancel	<None>	protected	☐	instance
OnCheck1	<None>	protected	☐	instance
OnClickSpread1	<None>	protected	☐	instance
OnDataDictionary	<None>	protected	☐	instance
OnDataFillSpread1	<None>	protected	☐	instance
OnDeleteRow	<None>	protected	☐	instance
OnDestroy	<None>	protected	☐	instance
OnDraw	<None>	public	☑	instance
OnDropdownCombo1	<None>	protected	☐	instance
OnEditChangeSpread1	<None>	protected	☐	instance

Classification: CHzFlBrowserPropPage Operations (Continued)

Operation	Return Type	Visibility	Polymorphic	Scope
OnExport	<None>	protected	☐	instance
OnImport	<None>	protected	☐	instance
OnInitialUpdate	<None>	public	☑	instance
OnKeyDown	<None>	protected	☐	instance
OnLButtonDown	<None>	protected	☐	instance
OnLeaveCellSpread1	<None>	protected	☐	instance
OnMetaData	<None>	protected	☐	instance
OnMouseDownSpread1	<None>	protected	☐	instance
OnPrint	<None>	protected	☐	instance
OnRadio1	<None>	protected	☐	instance
OnRadio2	<None>	protected	☐	instance
OnRclickTab1	<None>	protected	☐	instance
OnResetState	<None>	public	☑	instance
OnSave	<None>	protected	☐	instance
OnSelchangeCombo1	<None>	protected	☐	instance
OnSelchangeCombo2	<None>	protected	☐	instance
OnSelchangeCombo3	<None>	protected	☐	instance
OnSelchangeCombo	<None>	protected	☐	instance
OnSelchangeTab1	<None>	protected	☐	instance
OnSelchangingTab1	<None>	protected	☐	instance
OnSize	<None>	protected	☐	instance
OnUpdateAddRow	<None>	protected	☐	instance
OnUpdateDataDictionary	<None>	protected	☐	instance
OnUpdateDeleteRow	<None>	protected	☐	instance
OnUpdateExport	<None>	protected	☐	instance
OnUpdateImport	<None>	protected	☐	instance
OnUpdateLibrary	<None>	protected	☐	instance
OnUpdateMap	<None>	protected	☐	instance
OnUpdateMetaData	<None>	protected	☐	instance
OnUpdatePrint	<None>	protected	☐	instance
OnUpdateSave	<None>	protected	☐	instance
requery	<None>	protected	☐	instance
SetAnalysisOptions	<None>	protected	☐	instance
setCaption	<None>	protected	☐	instance
SetCombo	<None>	protected	☐	instance
setControlLabel	<None>	protected	☐	instance
setCountyFipsFilter	<None>	protected	☐	instance
SetHideDataControl	<None>	protected	☐	instance
SetHideSpecialVScrollControl	<None>	protected	☐	instance
SetHideStudyCaseCheck	<None>	protected	☐	instance
setIniDirectory	<None>	protected	☐	instance
SetLayerName	<None>	protected	☐	instance
SetLayoutName	<None>	protected	☐	instance
setLayoutType	<None>	protected	☐	instance
setResultsText	<None>	protected	☐	instance

Classification: CHzFlBrowserPropPage Operations (Continued)

SetReturnPeriod	<None>	protected	☐	instance
SetStudyCase	<None>	protected	☐	instance
SetStudyCaseID	<None>	protected	☐	instance
SetStudyCaseNetworkCreated	<None>	protected	☐	instance
setTabs	<None>	protected	☐	instance
showDataControl	<None>	protected	☐	instance
showMessage	<None>	protected	☐	instance
showOnHold	<None>	protected	☐	instance
switchLayout	<None>	protected	☐	instance
validateRange	<None>	protected	☐	instance

Classification: CHzFlDataManager

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
_messageEntries	<unspecified>	private	1	
classCHzFlBrowserPropPage	<unspecified>	public	1	
factory	<unspecified>	protected	1	
guid	<unspecified>	public	1	
messageMap	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CHzFlBrowserPropPage	<None>	public	☐	instance
_GetBaseClass	<None>	protected	☐	classifier
_GetBaseMessageMap	<None>	protected	☐	classifier
CreateObject	<None>	public	☐	classifier
DoDataExchange	<None>	protected	☑	instance
GetClassID	<None>	public	☑	instance
GetMessageMap	<None>	protected	☑	instance
GetRuntimeClass	<None>	public	☑	instance

Classification: CLatLongDlg

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
_messageEntries	<unspecified>	private	1	
m_fLatitude	<unspecified>	public	1	
m_fLongitude	<unspecified>	public	1	
messageMap	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CLatLongDlg	<None>	public	☐	instance
_GetBaseMessageMap	<None>	protected	☐	classifier
DoDataExchange	<None>	protected	☑	instance
GetMessageMap	<None>	protected	☑	instance
OnInitDialog	<None>	protected	☑	instance
OnPaint	<None>	protected	☐	instance

Classification: COleFont

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
COleFont	<None>	public	☐	instance
COleFont	<None>	public	☐	instance
COleFont	<None>	public	☐	instance
GetBold	<None>	public	☐	instance
GetCharset	<None>	public	☐	instance
GetItalic	<None>	public	☐	instance
GetName	<None>	public	☐	instance
GetSize	<None>	public	☐	instance
GetStrikethrough	<None>	public	☐	instance
GetUnderline	<None>	public	☐	instance
GetWeight	<None>	public	☐	instance
SetBold	<None>	public	☐	instance
SetCharset	<None>	public	☐	instance
SetItalic	<None>	public	☐	instance
SetName	<None>	public	☐	instance
SetSize	<None>	public	☐	instance
SetStrikethrough	<None>	public	☐	instance
SetUnderline	<None>	public	☐	instance
SetWeight	<None>	public	☐	instance

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CPicture	<None>	public	☐	instance
CPicture	<None>	public	☐	instance
CPicture	<None>	public	☐	instance
GetHandle	<None>	public	☐	instance
GetHeight	<None>	public	☐	instance
GetHPal	<None>	public	☐	instance
GetType	<None>	public	☐	instance
GetWidth	<None>	public	☐	instance
SetHPal	<None>	public	☐	instance

Classification: CPicture

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CPicture	<None>	public	☐	instance
CPicture	<None>	public	☐	instance
CPicture	<None>	public	☐	instance
GetHandle	<None>	public	☐	instance
GetHeight	<None>	public	☐	instance
GetHPal	<None>	public	☐	instance
GetType	<None>	public	☐	instance
GetWidth	<None>	public	☐	instance
SetHPal	<None>	public	☐	instance

Classification: CRSEvents

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
raw_EndOfRecordset	<None>	public	☑	instance
raw_FetchComplete	<None>	public	☑	instance
raw_FetchProgress	<None>	public	☑	instance
raw_FieldChangeComplete	<None>	public	☑	instance
raw_MoveComplete	<None>	public	☑	instance
raw_RecordChangeComplete	<None>	public	☑	instance
raw_RecordsetChangeComplete	<None>	public	☑	instance
raw_WillChangeField	<None>	public	☑	instance
raw_WillChangeRecord	<None>	public	☑	instance
raw_WillChangeRecordset	<None>	public	☑	instance
raw_WillMove	<None>	public	☑	instance

Classification: CSizerFormControl

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
_messageEntries	<unspecified>	private	1	
classCSizerFormControl	<unspecified>	public	1	
messageMap	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CSizerFormControl	<None>	public	☐	instance
CSizerFormControl	<None>	public	☐	instance
CSizerFormControl	<None>	public	☐	instance
~CSizerFormControl	<None>	public	☑	instance
_GetBaseClass	<None>	protected	☐	classifier
_GetBaseMessageMap	<None>	protected	☐	classifier
CreateObject	<None>	public	☐	classifier
GetMessageMap	<None>	protected	☑	instance
GetRuntimeClass	<None>	public	☑	instance
OnEraseBkgnd	<None>	protected	☐	instance
OnGetMinMaxInfo	<None>	protected	☐	instance
OnInitialUpdate	<None>	public	☑	instance
OnSize	<None>	protected	☐	instance

Classification: CSpreadSheet

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
classCSpreadSheet	<unspecified>	public	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
_GetBaseClass	<None>	protected	☐	classifier
AboutBox	<None>	public	☐	instance
AddCellSpan	<None>	public	☐	instance
AddCustomFunction	<None>	public	☐	instance
AddCustomFunctionExt	<None>	public	☐	instance
AddSelection	<None>	public	☐	instance
CFGetCellParam	<None>	public	☐	instance
CFGetDoubleParam	<None>	public	☐	instance
CFGetDoubleParamExt	<None>	public	☐	instance
CFGetLongParam	<None>	public	☐	instance
CFGetParamInfo	<None>	public	☐	instance
CFGetRangeParam	<None>	public	☐	instance
CFGetStringParam	<None>	public	☐	instance
CFSetResult	<None>	public	☐	instance
ClearRange	<None>	public	☐	instance
ClearSelection	<None>	public	☐	instance
ClipboardCopy	<None>	public	☐	instance
ClipboardCut	<None>	public	☐	instance
ClipboardPaste	<None>	public	☐	instance
ColNumberToLetter	<None>	public	☐	instance
ColWidthToTwips	<None>	public	☐	instance
CopyColRange	<None>	public	☐	instance
CopyRange	<None>	public	☐	instance
CopyRowRange	<None>	public	☐	instance
Create	<None>	public	☐	instance
Create	<None>	public	☑	instance
CreateObject	<None>	public	☐	classifier
DataSave	<None>	public	☐	instance
DeleteCols	<None>	public	☐	instance
DeleteRows	<None>	public	☐	instance
EnumCustomFunction	<None>	public	☐	instance
ExportRangeToHTML	<None>	public	☐	instance
ExportRangeToTextFile	<None>	public	☐	instance
ExportRangeToTextFileU	<None>	public	☐	instance
ExportRangeToXML	<None>	public	☐	instance
ExportRangeToXMLBuffer	<None>	public	☐	instance
ExportToExcel	<None>	public	☐	instance
ExportToHTML	<None>	public	☐	instance
ExportToTextFile	<None>	public	☐	instance
ExportToTextFileU	<None>	public	☐	instance
ExportToXML	<None>	public	☐	instance
ExportToXMLBuffer	<None>	public	☐	instance
GetActionKey	<None>	public	☐	instance
GetActiveCol	<None>	public	☐	instance

Classification: CSpreadSheet Operations (Continued)

GetActiveRow	<None>	public	☐	instance
GetAllowCellOverflow	<None>	public	☐	instance
GetAllowDragDrop	<None>	public	☐	instance
GetAllowEditOverflow	<None>	public	☐	instance
GetAllowMultiBlocks	<None>	public	☐	instance
GetAllowUserFormulas	<None>	public	☐	instance
GetAppearance	<None>	public	☐	instance
GetArray	<None>	public	☐	instance
GetArrowsExitEditMode	<None>	public	☐	instance
GetAutoCalc	<None>	public	☐	instance
GetAutoClipboard	<None>	public	☐	instance
GetAutoSize	<None>	public	☐	instance
GetBackColor	<None>	public	☐	instance
GetBackColorStyle	<None>	public	☐	instance
GetBlockMode	<None>	public	☐	instance
GetBorderStyle	<None>	public	☐	instance
GetBottomRightCell	<None>	public	☐	instance
GetButtonDrawMode	<None>	public	☐	instance
GetCalTextOverride	<None>	public	☐	instance
GetCellBorder	<None>	public	☐	instance
GetCellDirtyFlag	<None>	public	☐	instance
GetCellFromScreenCoord	<None>	public	☐	instance
GetCellNote	<None>	public	☐	instance
GetCellNoteIndicator	<None>	public	☐	instance
GetCellPos	<None>	public	☐	instance
GetCellSpan	<None>	public	☐	instance
GetCellTag	<None>	public	☐	instance
GetCellType	<None>	public	☐	instance
GetChangeMade	<None>	public	☐	instance
GetClientArea	<None>	public	☐	instance
GetClip	<None>	public	☐	instance
GetClipboardOptions	<None>	public	☐	instance
GetClipValue	<None>	public	☐	instance
GetClsid	<None>	public	☐	instance
GetCol2	<None>	public	☐	instance
GetCol	<None>	public	☐	instance
GetColFromID	<None>	public	☐	instance
GetColHeaderDisplay	<None>	public	☐	instance
GetColHeaderRows	<None>	public	☐	instance
GetColHeadersAutoText	<None>	public	☐	instance
GetColHeadersAutoTextIndex	<None>	public	☐	instance
GetColHeadersShow	<None>	public	☐	instance
GetColHeadersUserSortIndex	<None>	public	☐	instance
GetColHidden	<None>	public	☐	instance

Classification: CSpreadSheet Operations (Continued)

GetColID	<None>	public	☐	instance
GetColItemData	<None>	public	☐	instance
GetColMerge	<None>	public	☐	instance
GetColPageBreak	<None>	public	☐	instance
GetColsFrozen	<None>	public	☐	instance
GetColUserSortIndicator	<None>	public	☐	instance
GetColWidth	<None>	public	☐	instance
GetCursorIcon	<None>	public	☐	instance
GetCursorStyle	<None>	public	☐	instance
GetCursorType	<None>	public	☐	instance
GetCustomFunction	<None>	public	☐	instance
GetCustomName	<None>	public	☐	instance
GetDataChanged	<None>	public	☐	instance
GetDataColCnt	<None>	public	☐	instance
GetDataField	<None>	public	☐	instance
GetDataFillData	<None>	public	☐	instance
GetDataFillEvent	<None>	public	☐	instance
GetDataMember	<None>	public	☐	instance
GetDataRowCnt	<None>	public	☐	instance
GetDataSource	<None>	public	☐	instance
GetDAutoCellTypes	<None>	public	☐	instance
GetDAutoFill	<None>	public	☐	instance
GetDAutoHeadings	<None>	public	☐	instance
GetDAutoSave	<None>	public	☐	instance
GetDAutoSizeCols	<None>	public	☐	instance
GetDInformActiveRowChange	<None>	public	☐	instance
GetDisplayColHeaders	<None>	public	☐	instance
GetDisplayRowHeaders	<None>	public	☐	instance
GetEditEnterAction	<None>	public	☐	instance
GetEditMode	<None>	public	☐	instance
GetEditModePermanent	<None>	public	☐	instance
GetEditModeReplace	<None>	public	☐	instance
GetEnabled	<None>	public	☐	instance
GetEventEnabled	<None>	public	☐	instance
GetExcelSheetList	<None>	public	☐	instance
GetFirstValidCell	<None>	public	☐	instance
GetFloat	<None>	public	☐	instance
GetFont	<None>	public	☐	instance
GetFontBold	<None>	public	☐	instance
GetFontItalic	<None>	public	☐	instance
GetFontName	<None>	public	☐	instance
GetFontSize	<None>	public	☐	instance
GetFontStrikethru	<None>	public	☐	instance
GetFontUnderline	<None>	public	☐	instance

Classification: CSpreadSheet Operations (Continued)

GetForeColor	<None>	public	☐	instance
GetFormula	<None>	public	☐	instance
GetFormulaSync	<None>	public	☐	instance
GetGrayAreaBackColor	<None>	public	☐	instance
GetGridColor	<None>	public	☐	instance
GetGridShowHoriz	<None>	public	☐	instance
GetGridShowVert	<None>	public	☐	instance
GetGridSolid	<None>	public	☐	instance
GetHDCPrinter	<None>	public	☐	instance
GetHWnd	<None>	public	☐	instance
GetInteger	<None>	public	☐	instance
GetInterfaceDesigner	<None>	public	☐	instance
GetIsBlockSelected	<None>	public	☐	instance
GetItemData	<None>	public	☐	instance
GetIteration	<None>	public	☐	instance
GetLastValidCell	<None>	public	☐	instance
GetLeftCol	<None>	public	☐	instance
GetLock	<None>	public	☐	instance
GetLockBackColor	<None>	public	☐	instance
GetLockForeColor	<None>	public	☐	instance
GetMaxCols	<None>	public	☐	instance
GetMaxRows	<None>	public	☐	instance
GetMaxTextCellHeight	<None>	public	☐	instance
GetMaxTextCellWidth	<None>	public	☐	instance
GetMaxTextColWidth	<None>	public	☐	instance
GetMaxTextRowHeight	<None>	public	☐	instance
GetMoveActiveOnFocus	<None>	public	☐	instance
GetMultiSelItem	<None>	public	☐	instance
GetNoBeep	<None>	public	☐	instance
GetNoBorder	<None>	public	☐	instance
GetOddEvenRowColor	<None>	public	☐	instance
GetOLEDropMode	<None>	public	☐	instance
GetOperationMode	<None>	public	☐	instance
GetPrintAbortMsg	<None>	public	☐	instance
GetPrintBorder	<None>	public	☐	instance
GetPrintColHeaders	<None>	public	☐	instance
GetPrintColor	<None>	public	☐	instance
GetPrintFirstPageNumber	<None>	public	☐	instance
GetPrintFooter	<None>	public	☐	instance
GetPrintGrid	<None>	public	☐	instance
GetPrintHeader	<None>	public	☐	instance
GetPrintJobName	<None>	public	☐	instance
GetPrintMarginBottom	<None>	public	☐	instance
GetPrintMarginLeft	<None>	public	☐	instance

Classification: CSpreadSheet Operations (Continued)

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
GetPrintMarginLeft	<None>	public	☐	instance
GetPrintMarginRight	<None>	public	☐	instance
GetPrintMarginTop	<None>	public	☐	instance
GetPrintNextPageBreakCol	<None>	public	☐	instance
GetPrintNextPageBreakRow	<None>	public	☐	instance
GetPrintOrientation	<None>	public	☐	instance
GetPrintPageCount	<None>	public	☐	instance
GetPrintPageEnd	<None>	public	☐	instance
GetPrintPageOrder	<None>	public	☐	instance
GetPrintPageStart	<None>	public	☐	instance
GetPrintRowHeaders	<None>	public	☐	instance
GetPrintShadows	<None>	public	☐	instance
GetPrintSmartPrint	<None>	public	☐	instance
GetPrintType	<None>	public	☐	instance
GetPrintUseDataMax	<None>	public	☐	instance
GetProcessTab	<None>	public	☐	instance
GetProtect	<None>	public	☐	instance
GetReDraw	<None>	public	☐	instance
GetRefStyle	<None>	public	☐	instance
GetRestrictCols	<None>	public	☐	instance
GetRestrictRows	<None>	public	☐	instance
GetRetainSelBlock	<None>	public	☐	instance
GetRow2	<None>	public	☐	instance
GetRow	<None>	public	☐	instance
GetRowHeaderCols	<None>	public	☐	instance
GetRowHeaderDisplay	<None>	public	☐	instance
GetRowHeadersAutoText	<None>	public	☐	instance
GetRowHeadersAutoTextIndex	<None>	public	☐	instance
GetRowHeadersShow	<None>	public	☐	instance
GetRowHeight	<None>	public	☐	instance
GetRowHidden	<None>	public	☐	instance
GetRowItemData	<None>	public	☐	instance
GetRowMerge	<None>	public	☐	instance
GetRowPageBreak	<None>	public	☐	instance
GetRowsFrozen	<None>	public	☐	instance
GetRuntimeClass	<None>	public	☑	instance
GetScriptEnhanced	<None>	public	☐	instance
GetScrollBarExtMode	<None>	public	☐	instance
GetScrollBarMaxAlign	<None>	public	☐	instance
GetScrollBars	<None>	public	☐	instance
GetScrollBarShowMax	<None>	public	☐	instance
GetScrollBarTrack	<None>	public	☐	instance
GetSelBackColor	<None>	public	☐	instance
GetSelBlockCol2	<None>	public	☐	instance

Classification: CSpreadSheet Operations (Continued)

GetSelBlockRow2	<None>	public	☐	instance
GetSelBlockRow	<None>	public	☐	instance
GetSelectBlockOptions	<None>	public	☐	instance
GetSelection	<None>	public	☐	instance
GetSelectionCount	<None>	public	☐	instance
GetSelForeColor	<None>	public	☐	instance
GetSelLength	<None>	public	☐	instance
GetSelModeIndex	<None>	public	☐	instance
GetSelModeSelected	<None>	public	☐	instance
GetSelStart	<None>	public	☐	instance
GetSelText	<None>	public	☐	instance
GetShadowColor	<None>	public	☐	instance
GetShadowDark	<None>	public	☐	instance
GetShadowText	<None>	public	☐	instance
GetShowScrollTips	<None>	public	☐	instance
GetSortKey	<None>	public	☐	instance
GetSortKeyOrder	<None>	public	☐	instance
GetStartingColNumber	<None>	public	☐	instance
GetStartingRowNumber	<None>	public	☐	instance
GetText	<None>	public	☐	instance
GetText	<None>	public	☐	instance
GetTextTip	<None>	public	☐	instance
GetTextTipAppearance	<None>	public	☐	instance
GetTextTipDelay	<None>	public	☐	instance
GetTopRow	<None>	public	☐	instance
GetTwoDigitYearMax	<None>	public	☐	instance
GetTypeButtonAlign	<None>	public	☐	instance
GetTypeButtonBorderColor	<None>	public	☐	instance
GetTypeButtonColor	<None>	public	☐	instance
GetTypeButtonDarkColor	<None>	public	☐	instance
GetTypeButtonLightColor	<None>	public	☐	instance
GetTypeButtonPicture	<None>	public	☐	instance
GetTypeButtonPictureDown	<None>	public	☐	instance
GetTypeButtonShadowSize	<None>	public	☐	instance
GetTypeButtonText	<None>	public	☐	instance
GetTypeButtonTextColor	<None>	public	☐	instance
GetTypeButtonType	<None>	public	☐	instance
GetTypeCheckCenter	<None>	public	☐	instance
GetTypeCheckPicture	<None>	public	☐	instance
GetTypeCheckText	<None>	public	☐	instance
GetTypeCheckTextAlign	<None>	public	☐	instance
GetTypeCheckType	<None>	public	☐	instance
GetTypeComboBoxAutoSearch	<None>	public	☐	instance

Classification: CSpreadSheet Operations (Continued)

GetTypeComboBoxCurSel	<None>	public	☐	instance
GetTypeComboBoxEditable	<None>	public	☐	instance
GetTypeComboBoxhWnd	<None>	public	☐	instance
GetTypeComboBoxIndex	<None>	public	☐	instance
GetTypeComboBoxList	<None>	public	☐	instance
GetTypeComboBoxMaxDrop	<None>	public	☐	instance
GetTypeComboBoxString	<None>	public	☐	instance
GetTypeComboBoxWidth	<None>	public	☐	instance
GetTypeCurrencyDecimal	<None>	public	☐	instance
GetTypeCurrencyDecPlaces	<None>	public	☐	instance
GetTypeCurrencyLeadingZero	<None>	public	☐	instance
GetTypeCurrencyMax	<None>	public	☐	instance
GetTypeCurrencyMin	<None>	public	☐	instance
GetTypeCurrencyNegStyle	<None>	public	☐	instance
GetTypeCurrencyPosStyle	<None>	public	☐	instance
GetTypeCurrencySeparator	<None>	public	☐	instance
GetTypeCurrencyShowSep	<None>	public	☐	instance
GetTypeCurrencyShowSymbol	<None>	public	☐	instance
GetTypeCurrencySymbol	<None>	public	☐	instance
GetTypeDateCentury	<None>	public	☐	instance
GetTypeDateFormat	<None>	public	☐	instance
GetTypeDateMax	<None>	public	☐	instance
GetTypeDateMin	<None>	public	☐	instance
GetTypeDateSeparator	<None>	public	☐	instance
GetTypeEditCharCase	<None>	public	☐	instance
GetTypeEditCharSet	<None>	public	☐	instance
GetTypeEditMultiLine	<None>	public	☐	instance
GetTypeEditPassword	<None>	public	☐	instance
GetTypeEllipses	<None>	public	☐	instance
GetTypeHAlign	<None>	public	☐	instance
GetTypeMaxEditLen	<None>	public	☐	instance
GetTypeNegRed	<None>	public	☐	instance
GetTypeNumberDecimal	<None>	public	☐	instance
GetTypeNumberDecPlaces	<None>	public	☐	instance
GetTypeNumberLeadingZero	<None>	public	☐	instance
GetTypeNumberMax	<None>	public	☐	instance
GetTypeNumberMin	<None>	public	☐	instance
GetTypeNumberNegStyle	<None>	public	☐	instance
GetTypeNumberSeparator	<None>	public	☐	instance
GetTypeNumberShowSep	<None>	public	☐	instance
GetTypeOwnerDrawStyle	<None>	public	☐	instance
GetTypePercentDecimal	<None>	public	☐	instance
GetTypePercentDecPlaces	<None>	public	☐	instance
GetTypePercentLeadingZero	<None>	public	☐	instance
GetTypePercentMax	<None>	public	☐	instance

Classification: CSpreadSheet Operations (Continued)

GetTypePercentMin	<None>	public	☐	instance
GetTypePercentNegStyle	<None>	public	☐	instance
GetTypePicDefaultText	<None>	public	☐	instance
GetTypePicMask	<None>	public	☐	instance
GetTypePictCenter	<None>	public	☐	instance
GetTypePictMaintainScale	<None>	public	☐	instance
GetTypePictPicture	<None>	public	☐	instance
GetTypePictStretch	<None>	public	☐	instance
GetTypeSpin	<None>	public	☐	instance
GetTypeSpinInc	<None>	public	☐	instance
GetTypeSpinWrap	<None>	public	☐	instance
GetTypeTextOrient	<None>	public	☐	instance
GetTypeTextPrefix	<None>	public	☐	instance
GetTypeTextShadow	<None>	public	☐	instance
GetTypeTextShadowIn	<None>	public	☐	instance
GetTypeTextWordWrap	<None>	public	☐	instance
GetTypeTime24Hour	<None>	public	☐	instance
GetTypeTimeMax	<None>	public	☐	instance
GetTypeTimeMin	<None>	public	☐	instance
GetTypeTimeSeconds	<None>	public	☐	instance
GetTypeTimeSeparator	<None>	public	☐	instance
GetTypeVAlign	<None>	public	☐	instance
GetUnitType	<None>	public	☐	instance
GetUserColAction	<None>	public	☐	instance
GetUserResize	<None>	public	☐	instance
GetUserResizeCol	<None>	public	☐	instance
GetUserResizeRow	<None>	public	☐	instance
GetValue	<None>	public	☐	instance
GetVirtualCurRowCount	<None>	public	☐	instance
GetVirtualCurTop	<None>	public	☐	instance
GetVirtualMaxRows	<None>	public	☐	instance
GetVirtualMode	<None>	public	☐	instance
GetVirtualOverlap	<None>	public	☐	instance
GetVirtualRows	<None>	public	☐	instance
GetVirtualScrollBuffer	<None>	public	☐	instance
GetVisibleCols	<None>	public	☐	instance
GetVisibleRows	<None>	public	☐	instance
GetVScrollSpecial	<None>	public	☐	instance
GetVScrollSpecialType	<None>	public	☐	instance
ImportExcelSheet	<None>	public	☐	instance
InsertCols	<None>	public	☐	instance
InsertRows	<None>	public	☐	instance
IsCellSelected	<None>	public	☐	instance
IsExcelFile	<None>	public	☐	instance

Classification: CSpreadSheet Operations (Continued)

IsFormulaValid	<None>	public	☐	instance
IsVisible	<None>	public	☐	instance
LoadFromFile	<None>	public	☐	instance
LoadTabFile	<None>	public	☐	instance
LoadTextFile	<None>	public	☐	instance
MoveColRange	<None>	public	☐	instance
MoveRange	<None>	public	☐	instance
MoveRowRange	<None>	public	☐	instance
OLEDrag	<None>	public	☐	instance
OwnerPrintDraw	<None>	public	☐	instance
OwnerPrintPageCount	<None>	public	☐	instance
PrintSheet	<None>	public	☐	instance
QueryCustomName	<None>	public	☐	instance
ReCalc	<None>	public	☐	instance
ReCalcCell	<None>	public	☐	instance
Refresh	<None>	public	☐	instance
RemoveCellSpan	<None>	public	☐	instance
RemoveCustomFunction	<None>	public	☐	instance
Reset	<None>	public	☐	instance
RowHeightToTwips	<None>	public	☐	instance
SaveTabFile	<None>	public	☐	instance
SaveTabFileU	<None>	public	☐	instance
SaveToFile	<None>	public	☐	instance
ScriptCFGetCellParam	<None>	public	☐	instance
ScriptCFGetDoubleParamExt	<None>	public	☐	instance
ScriptCFGetParamInfo	<None>	public	☐	instance
ScriptCFGetRangeParam	<None>	public	☐	instance
ScriptColWidthToTwips	<None>	public	☐	instance
ScriptEnumCustomFunction	<None>	public	☐	instance
ScriptExportRangeToXMLBuffer	<None>	public	☐	instance
ScriptExportToXMLBuffer	<None>	public	☐	instance
ScriptGetActionKey	<None>	public	☐	instance
ScriptGetBottomRightCell	<None>	public	☐	instance
ScriptGetCalTextOverride	<None>	public	☐	instance
ScriptGetCellFromScreenCoord	<None>	public	☐	instance
ScriptGetCellPos	<None>	public	☐	instance
ScriptGetClientArea	<None>	public	☐	instance
ScriptGetCustomFunction	<None>	public	☐	instance
ScriptGetExcelSheetList	<None>	public	☐	instance
ScriptGetFirstValidCell	<None>	public	☐	instance
ScriptGetFloat	<None>	public	☐	instance
ScriptGetInteger	<None>	public	☐	instance
ScriptGetIteration	<None>	public	☐	instance
ScriptGetLastValidCell	<None>	public	☐	instance

Classification: CSpreadSheet Operations (Continued)

ScriptGetOddEvenRowColor	<None>	public	☐	instance
ScriptGetTextTipAppearance	<None>	public	☐	instance
ScriptOwnerPrintPageCount	<None>	public	☐	instance
ScriptRowHeightToTwips	<None>	public	☐	instance
ScriptTwipsToColWidth	<None>	public	☐	instance
ScriptTwipsToRowHeight	<None>	public	☐	instance
SearchCol	<None>	public	☐	instance
SearchRow	<None>	public	☐	instance
SetActionKey	<None>	public	☐	instance
SetActiveCell	<None>	public	☐	instance
SetActiveCol	<None>	public	☐	instance
SetActiveRow	<None>	public	☐	instance
SetAllowCellOverflow	<None>	public	☐	instance
SetAllowDragDrop	<None>	public	☐	instance
SetAllowEditOverflow	<None>	public	☐	instance
SetAllowMultiBlocks	<None>	public	☐	instance
SetAllowUserFormulas	<None>	public	☐	instance
SetAppearance	<None>	public	☐	instance
SetArray	<None>	public	☐	instance
SetArrowsExitEditMode	<None>	public	☐	instance
SetAutoCalc	<None>	public	☐	instance
SetAutoClipboard	<None>	public	☐	instance
SetAutoSize	<None>	public	☐	instance
SetBackColor	<None>	public	☐	instance
SetBackColorStyle	<None>	public	☐	instance
SetBlockMode	<None>	public	☐	instance
SetBorderStyle	<None>	public	☐	instance
SetButtonDrawMode	<None>	public	☐	instance
SetCalText	<None>	public	☐	instance
SetCalTextOverride	<None>	public	☐	instance
SetCellBorder	<None>	public	☐	instance
SetCellDirtyFlag	<None>	public	☐	instance
SetCellNote	<None>	public	☐	instance
SetCellNoteIndicator	<None>	public	☐	instance
SetCellTag	<None>	public	☐	instance
SetCellType	<None>	public	☐	instance
SetChangeMade	<None>	public	☐	instance
SetClip	<None>	public	☐	instance
SetClipboardOptions	<None>	public	☐	instance
SetClipValue	<None>	public	☐	instance
SetCol2	<None>	public	☐	instance
SetCol	<None>	public	☐	instance
SetColHeaderDisplay	<None>	public	☐	instance
SetColHeaderRows	<None>	public	☐	instance

Classification: CSpreadSheet Operations (Continued)

SetColHeadersAutoText	<None>	public	☐	instance
SetColHeadersAutoTextIndex	<None>	public	☐	instance
SetColHeadersShow	<None>	public	☐	instance
SetColHeadersUserSortIndex	<None>	public	☐	instance
SetColHidden	<None>	public	☐	instance
SetColID	<None>	public	☐	instance
SetColItemData	<None>	public	☐	instance
SetColMerge	<None>	public	☐	instance
SetColPageBreak	<None>	public	☐	instance
SetColsFrozen	<None>	public	☐	instance
SetColUserSortIndicator	<None>	public	☐	instance
SetColWidth	<None>	public	☐	instance
SetCursorIcon	<None>	public	☐	instance
SetCursorStyle	<None>	public	☐	instance
SetCursorType	<None>	public	☐	instance
SetCustomName	<None>	public	☐	instance
SetDataChanged	<None>	public	☐	instance
SetDataColCnt	<None>	public	☐	instance
SetDataField	<None>	public	☐	instance
SetDataFillData	<None>	public	☐	instance
SetDataFillEvent	<None>	public	☐	instance
SetDataMember	<None>	public	☐	instance
SetDataRowCnt	<None>	public	☐	instance
SetDataSource	<None>	public	☐	instance
SetDAutoCellTypes	<None>	public	☐	instance
SetDAutoFill	<None>	public	☐	instance
SetDAutoHeadings	<None>	public	☐	instance
SetDAutoSave	<None>	public	☐	instance
SetDAutoSizeCols	<None>	public	☐	instance
SetDInformActiveRowChange	<None>	public	☐	instance
SetDisplayColHeaders	<None>	public	☐	instance
SetDisplayRowHeaders	<None>	public	☐	instance
SetEditEnterAction	<None>	public	☐	instance
SetEditMode	<None>	public	☐	instance
SetEditModePermanent	<None>	public	☐	instance
SetEditModeReplace	<None>	public	☐	instance
SetEnabled	<None>	public	☐	instance
SetEventEnabled	<None>	public	☐	instance
SetFloat	<None>	public	☐	instance
SetFont	<None>	public	☐	instance
SetFontBold	<None>	public	☐	instance
SetFontItalic	<None>	public	☐	instance
SetFontName	<None>	public	☐	instance
SetFontSize	<None>	public	☐	instance
SetFontStrikethru	<None>	public	☐	instance

Classification: CSpreadSheet Operations (Continued)

SetFontUnderline	<None>	public	☐	instance
SetForeColor	<None>	public	☐	instance
SetFormula	<None>	public	☐	instance
SetFormulaSync	<None>	public	☐	instance
SetGrayAreaBackColor	<None>	public	☐	instance
SetGridColor	<None>	public	☐	instance
SetGridShowHoriz	<None>	public	☐	instance
SetGridShowVert	<None>	public	☐	instance
SetGridSolid	<None>	public	☐	instance
SetHDCPrinter	<None>	public	☐	instance
SetHWnd	<None>	public	☐	instance
SetInteger	<None>	public	☐	instance
SetInterfaceDesigner	<None>	public	☐	instance
SetIsBlockSelected	<None>	public	☐	instance
SetItemData	<None>	public	☐	instance
SetIteration	<None>	public	☐	instance
SetLeftCol	<None>	public	☐	instance
SetLock	<None>	public	☐	instance
SetLockBackColor	<None>	public	☐	instance
SetLockForeColor	<None>	public	☐	instance
SetMaxCols	<None>	public	☐	instance
SetMaxRows	<None>	public	☐	instance
SetMaxTextCellHeight	<None>	public	☐	instance
SetMaxTextCellWidth	<None>	public	☐	instance
SetMaxTextColWidth	<None>	public	☐	instance
SetMaxTextRowHeight	<None>	public	☐	instance
SetMoveActiveOnFocus	<None>	public	☐	instance
SetNoBeep	<None>	public	☐	instance
SetNoBorder	<None>	public	☐	instance
SetOddEvenRowColor	<None>	public	☐	instance
SetOLEDropMode	<None>	public	☐	instance
SetOperationMode	<None>	public	☐	instance
SetPrintAbortMsg	<None>	public	☐	instance
SetPrintBorder	<None>	public	☐	instance
SetPrintColHeaders	<None>	public	☐	instance
SetPrintColor	<None>	public	☐	instance
SetPrintFirstPageNumber	<None>	public	☐	instance
SetPrintFooter	<None>	public	☐	instance
SetPrintGrid	<None>	public	☐	instance
SetPrintHeader	<None>	public	☐	instance
SetPrintJobName	<None>	public	☐	instance
SetPrintMarginBottom	<None>	public	☐	instance
SetPrintMarginLeft	<None>	public	☐	instance
SetPrintMarginRight	<None>	public	☐	instance
SetPrintMarginTop	<None>	public	☐	instance

Classification: CSpreadSheet Operations (Continued)

SetPrintNextPageBreakCol	<None>	public	☐	instance
SetPrintNextPageBreakRow	<None>	public	☐	instance
SetPrintOrientation	<None>	public	☐	instance
SetPrintPageCount	<None>	public	☐	instance
SetPrintPageEnd	<None>	public	☐	instance
SetPrintPageOrder	<None>	public	☐	instance
SetPrintPageStart	<None>	public	☐	instance
SetPrintRowHeaders	<None>	public	☐	instance
SetPrintShadows	<None>	public	☐	instance
SetPrintSmartPrint	<None>	public	☐	instance
SetPrintType	<None>	public	☐	instance
SetPrintUseDataMax	<None>	public	☐	instance
SetProcessTab	<None>	public	☐	instance
SetProtect	<None>	public	☐	instance
SetReDraw	<None>	public	☐	instance
SetRefStyle	<None>	public	☐	instance
SetRestrictCols	<None>	public	☐	instance
SetRestrictRows	<None>	public	☐	instance
SetRetainSelBlock	<None>	public	☐	instance
SetRow2	<None>	public	☐	instance
SetRow	<None>	public	☐	instance
SetRowHeaderCols	<None>	public	☐	instance
SetRowHeaderDisplay	<None>	public	☐	instance
SetRowHeadersAutoText	<None>	public	☐	instance
SetRowHeadersAutoTextIndex	<None>	public	☐	instance
SetRowHeadersShow	<None>	public	☐	instance
SetRowHeight	<None>	public	☐	instance
SetRowHidden	<None>	public	☐	instance
SetRowItemData	<None>	public	☐	instance
SetRowMerge	<None>	public	☐	instance
SetRowPageBreak	<None>	public	☐	instance
SetRowsFrozen	<None>	public	☐	instance
SetScriptEnhanced	<None>	public	☐	instance
SetScrollBarExtMode	<None>	public	☐	instance
SetScrollBarMaxAlign	<None>	public	☐	instance
SetScrollBars	<None>	public	☐	instance
SetScrollBarShowMax	<None>	public	☐	instance
SetScrollBarTrack	<None>	public	☐	instance
SetSelBackColor	<None>	public	☐	instance
SetSelBlockCol2	<None>	public	☐	instance
SetSelBlockCol	<None>	public	☐	instance
SetSelBlockRow2	<None>	public	☐	instance
SetSelBlockRow	<None>	public	☐	instance
SetSelectBlockOptions	<None>	public	☐	instance
SetSelection	<None>	public	☐	instance

Classification: CSpreadSheet Operations (Continued)

SetSelectionCount	<None>	public	☐	instance
SetSelForeColor	<None>	public	☐	instance
SetSelLength	<None>	public	☐	instance
SetSelModeIndex	<None>	public	☐	instance
SetSelModeSelected	<None>	public	☐	instance
SetSelStart	<None>	public	☐	instance
SetSelText	<None>	public	☐	instance
SetShadowColor	<None>	public	☐	instance
SetShadowDark	<None>	public	☐	instance
SetShadowText	<None>	public	☐	instance
SetShowScrollTips	<None>	public	☐	instance
SetSortKey	<None>	public	☐	instance
SetSortKeyOrder	<None>	public	☐	instance
SetStartingColNumber	<None>	public	☐	instance
SetStartingRowNumber	<None>	public	☐	instance
SetText	<None>	public	☐	instance
SetText	<None>	public	☐	instance
SetTextTip	<None>	public	☐	instance
SetTextTipAppearance	<None>	public	☐	instance
SetTextTipDelay	<None>	public	☐	instance
SetTopRow	<None>	public	☐	instance
SetTwoDigitYearMax	<None>	public	☐	instance
SetTypeButtonAlign	<None>	public	☐	instance
SetTypeButtonBorderColor	<None>	public	☐	instance
SetTypeButtonColor	<None>	public	☐	instance
SetTypeButtonDarkColor	<None>	public	☐	instance
SetTypeButtonLightColor	<None>	public	☐	instance
SetTypeButtonPicture	<None>	public	☐	instance
SetTypeButtonPictureDown	<None>	public	☐	instance
SetTypeButtonShadowSize	<None>	public	☐	instance
SetTypeButtonText	<None>	public	☐	instance
SetTypeButtonTextColor	<None>	public	☐	instance
SetTypeButtonType	<None>	public	☐	instance
SetTypeCheckCenter	<None>	public	☐	instance
SetTypeCheckPicture	<None>	public	☐	instance
SetTypeCheckText	<None>	public	☐	instance
SetTypeCheckTextAlign	<None>	public	☐	instance
SetTypeCheckType	<None>	public	☐	instance
SetTypeComboBoxAutoSearch	<None>	public	☐	instance
SetTypeComboBoxCount	<None>	public	☐	instance
SetTypeComboBoxCurSel	<None>	public	☐	instance
SetTypeComboBoxEditable	<None>	public	☐	instance
SetTypeComboBoxhWnd	<None>	public	☐	instance
SetTypeComboBoxIndex	<None>	public	☐	instance

Classification: CSpreadSheet Operations (Continued)

SetTypeComboBoxList	<None>	public	☐	instance
SetTypeComboBoxMaxDrop	<None>	public	☐	instance
SetTypeComboBoxString	<None>	public	☐	instance
SetTypeComboBoxWidth	<None>	public	☐	instance
SetTypeCurrencyDecimal	<None>	public	☐	instance
SetTypeCurrencyDecPlaces	<None>	public	☐	instance
SetTypeCurrencyLeadingZero	<None>	public	☐	instance
SetTypeCurrencyMax	<None>	public	☐	instance
SetTypeCurrencyMin	<None>	public	☐	instance
SetTypeCurrencyNegStyle	<None>	public	☐	instance
SetTypeCurrencyPosStyle	<None>	public	☐	instance
SetTypeCurrencySeparator	<None>	public	☐	instance
SetTypeCurrencyShowSep	<None>	public	☐	instance
SetTypeCurrencyShowSymbol	<None>	public	☐	instance
SetTypeCurrencySymbol	<None>	public	☐	instance
SetTypeDateCentury	<None>	public	☐	instance
SetTypeDateFormat	<None>	public	☐	instance
SetTypeDateMax	<None>	public	☐	instance
SetTypeDateMin	<None>	public	☐	instance
SetTypeDateSeparator	<None>	public	☐	instance
SetTypeEditCharCase	<None>	public	☐	instance
SetTypeEditCharSet	<None>	public	☐	instance
SetTypeEditMultiLine	<None>	public	☐	instance
SetTypeEditPassword	<None>	public	☐	instance
SetTypeEllipses	<None>	public	☐	instance
SetTypeHAlign	<None>	public	☐	instance
SetTypeMaxEditLen	<None>	public	☐	instance
SetTypeNegRed	<None>	public	☐	instance
SetTypeNumberDecimal	<None>	public	☐	instance
SetTypeNumberDecPlaces	<None>	public	☐	instance
SetTypeNumberLeadingZero	<None>	public	☐	instance
SetTypeNumberMax	<None>	public	☐	instance
SetTypeNumberMin	<None>	public	☐	instance
SetTypeNumberNegStyle	<None>	public	☐	instance
SetTypeNumberSeparator	<None>	public	☐	instance
SetTypeNumberShowSep	<None>	public	☐	instance
SetTypeOwnerDrawStyle	<None>	public	☐	instance
SetTypePercentDecimal	<None>	public	☐	instance
SetTypePercentDecPlaces	<None>	public	☐	instance
SetTypePercentLeadingZero	<None>	public	☐	instance
SetTypePercentMax	<None>	public	☐	instance
SetTypePercentMin	<None>	public	☐	instance
SetTypePercentNegStyle	<None>	public	☐	instance
SetTypePicDefaultText	<None>	public	☐	instance

Classification: CSpreadSheet Operations (Continued)

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
SetTypePictCenter	<None>	public	☐	instance
SetTypePictMaintainScale	<None>	public	☐	instance
SetTypePictPicture	<None>	public	☐	instance
SetTypePictStretch	<None>	public	☐	instance
SetTypeSpin	<None>	public	☐	instance
SetTypeSpinInc	<None>	public	☐	instance
SetTypeSpinWrap	<None>	public	☐	instance
SetTypeTextOrient	<None>	public	☐	instance
SetTypeTextPrefix	<None>	public	☐	instance
SetTypeTextShadow	<None>	public	☐	instance
SetTypeTextShadowIn	<None>	public	☐	instance
SetTypeTextWordWrap	<None>	public	☐	instance
SetTypeTime24Hour	<None>	public	☐	instance
SetTypeTimeMax	<None>	public	☐	instance
SetTypeTimeMin	<None>	public	☐	instance
SetTypeTimeSeconds	<None>	public	☐	instance
SetTypeTimeSeparator	<None>	public	☐	instance
SetTypeVAlign	<None>	public	☐	instance
SetUnitType	<None>	public	☐	instance
SetUserColAction	<None>	public	☐	instance
SetUserResize	<None>	public	☐	instance
SetUserResizeCol	<None>	public	☐	instance
SetUserResizeRow	<None>	public	☐	instance
SetValue	<None>	public	☐	instance
SetVirtualCurRowCount	<None>	public	☐	instance
SetVirtualCurTop	<None>	public	☐	instance
SetVirtualMaxRows	<None>	public	☐	instance
SetVirtualMode	<None>	public	☐	instance
SetVirtualOverlap	<None>	public	☐	instance
SetVirtualRows	<None>	public	☐	instance
SetVirtualScrollBuffer	<None>	public	☐	instance
SetVisibleCols	<None>	public	☐	instance
SetVisibleRows	<None>	public	☐	instance
SetVScrollSpecial	<None>	public	☐	instance
SetVScrollSpecialType	<None>	public	☐	instance
ShowCell	<None>	public	☐	instance
Sort	<None>	public	☐	instance
SwapColRange	<None>	public	☐	instance
SwapRange	<None>	public	☐	instance
SwapRowRange	<None>	public	☐	instance
TwipsToColWidth	<None>	public	☐	instance
TwipsToRowHeight	<None>	public	☐	instance
TypeComboBoxClear	<None>	public	☐	instance
TypeComboBoxRemoveItem	<None>	public	☐	instance

Classification: CTableInfo

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
Alias	<unspecified>	public	1	
Name	<unspecified>	public	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CTableInfo	<None>	public	☐	instance
~CTableInfo	<None>	public	☑	instance

Classification: CViewSqlParser

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_ColumnInfoArray	<unspecified>	protected	1	
m_FieldSqlString	<unspecified>	protected	1	
m_FromSqlString	<unspecified>	protected	1	
m_pColumnInfo	<unspecified>	protected	1	
m_pTableInfo	<unspecified>	protected	1	
m_TableInfoArray	<unspecified>	protected	1	
m_ViewName	<unspecified>	protected	1	
m_ViewSqlString	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CViewSqlParser	<None>	public	☐	instance
~CViewSqlParser	<None>	public	☑	instance
CheckAlias	<None>	protected	☐	instance
CheckAliasWithSpecialChars	<None>	protected	☐	instance
CheckColumn	<None>	protected	☐	instance
GetColumnAlias	<None>	public	☐	instance
GetColumnCount	<None>	public	☐	instance
GetColumnName	<None>	public	☐	instance
GetColumnTable	<None>	public	☐	instance
GetMethodAlias	<None>	public	☐	instance
GetViewName	<None>	public	☐	instance
ParseFieldString	<None>	protected	☐	instance
ParseFromString	<None>	protected	☐	instance
PutViewName	<None>	public	☐	instance
PutViewSqlString	<None>	public	☐	instance
Reset	<None>	public	☐	instance
Setup	<None>	protected	☐	instance
SetupSqlString	<None>	protected	☐	instance

Classification: CWnd2

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
_messageEntries	<unspecified>	private	1	
messageMap	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CWnd2	<None>	public	☐	instance
~CWnd2	<None>	public	☑	instance
_GetBaseMessageMap	<None>	protec...	☐	classifier
GetControlSite	<None>	public	☐	instance
GetCtrlCont	<None>	public	☐	instance
GetMessageMap	<None>	protec...	☑	instance

Classification: ColumnFormat

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_formatSpec	<unspecified>	public	1	
m_isAlpha	<unspecified>	public	1	
m_justification	<unspecified>	public	1	
m_width	<unspecified>	public	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ColumnFormat	<None>	public	☐	instance
ColumnFormat	<None>	public	☐	instance
~ColumnFormat	<None>	public	☑	instance
dump	<None>	public	☐	instance

Classification: ControlMediator

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
iniFile	<unspecified>	public	1	
m_controls	<unspecified>	protected	1	
m_pParent	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ControlMediator	<None>	public	☐	instance
~ControlMediator	<None>	public	☑	instance
hideControls	<None>	public	☐	instance
Register	<None>	public	☐	instance
setParent	<None>	public	☐	instance

Classification: DataPropertyManager

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
DataPropertyManager	<None>	public	☐	instance
~DataPropertyManager	<None>	public	☑	instance
loadProperties	<None>	public	☑	instance

Classification: GridFileMgr

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_ComboColumns	<unspecified>	protected	1	
m_csDirectory	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
GridFileMgr	<None>	public	☐	instance
~GridFileMgr	<None>	public	☑	instance
addChange	<None>	public	☐	instance
addRow	<None>	public	☐	instance
callback	<None>	public	☑	instance
deleteRow	<None>	public	☐	instance
setData	<None>	public	☑	instance
setDirectory	<None>	public	☐	classifier
setHeadings	<None>	public	☑	instance
setupGridDataFromFile	<None>	public	☑	instance
setupGridHeadingFromFile	<None>	public	☑	instance

Classification: GridMgr

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_bEditable	<unspecified>	protected	1	
m_bHasMappedColumns	<unspecified>	protected	1	
m_changedCells	<unspecified>	protected	1	
m_grid	<unspecified>	protected	1	
m_gridName	<unspecified>	protected	1	
m_layoutName	<unspecified>	protected	1	
m_pGridFileMgr	<unspecified>	protected	1	
m_pGridTableMgr	<unspecified>	protected	1	
m_pPropertyManager	<unspecified>	protected	1	
m_sSql	<unspecified>	protected	1	
m_ViewSqlParser	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
GridMgr	<None>	public	☐	instance
~GridMgr	<None>	public	☑	instance
addChange	<None>	public	☐	instance
addRow	<None>	public	☐	instance
callback	<None>	public	☑	instance
colorGridRows	<None>	protected	☐	instance
deleteRow	<None>	public	☐	instance
fillCombo	<None>	protected	☐	instance
fillComboFromItems	<None>	protected	☐	instance
fillComboFromQuery	<None>	protected	☐	instance
getActualColumnName	<None>	public	☑	instance
getActualTableName	<None>	public	☑	instance
getColumnName	<None>	public	☑	instance
getColumnNumber	<None>	protected	☐	instance
getColumnNumber	<None>	protected	☐	instance
getColumnPropertyValue	<None>	public	☐	instance
GetPointDataString	<None>	public	☑	instance
getSQL	<None>	public	☐	instance
getViewName	<None>	public	☐	instance
hasBuddy	<None>	public	☐	instance
hasMappedColumns	<None>	public	☐	instance
hasPointData	<None>	public	☑	instance
init	<None>	public	☐	instance
isFirstColumnEditable	<None>	public	☐	instance
onDataFill	<None>	public	☐	instance
PutPointData	<None>	public	☑	instance
PutPointDataString	<None>	public	☑	instance
reset	<None>	public	☐	instance
saveChanges	<None>	public	☐	instance
setCellType	<None>	public	☐	instance
setColumnProperties	<None>	protected	☐	instance
setColumnWidths	<None>	public	☐	instance
setDecimals	<None>	public	☐	instance
setEditable	<None>	protected	☐	instance
setPointData	<None>	protected	☐	instance
setQuery	<None>	public	☐	instance
setupGrid	<None>	public	☑	instance
useGridFile	<None>	protected	☐	instance
useGridFileData	<None>	protected	☐	instance
useGridFileHeadings	<None>	protected	☐	instance

Classification: GridTableMgr

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_bHasPointData	<unspecified>	protected	1	
m_bookmark	<unspecified>	protected	1	
m_columnCount	<unspecified>	protected	1	
m_hasTopTotal	<unspecified>	protected	1	
m_headings	<unspecified>	protected	1	
m_pDataManager	<unspecified>	protected	1	
m_PointDataString	<unspecified>	protected	1	
m_pRs	<unspecified>	protected	1	
m_studyRegionAdoConnectionString	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
GridTableMgr	<None>	public	☐	instance
~GridTableMgr	<None>	public	☑	instance
addChange	<None>	public	☐	instance
addRow	<None>	public	☐	instance
callback	<None>	public	☑	instance
deleteRow	<None>	public	☐	instance
getActualColumnName	<None>	public	☑	instance
getActualTableName	<None>	public	☑	instance
getAliasColumnName	<None>	public	☐	instance
getColumnName	<None>	public	☑	instance
getMdbConnectionString	<None>	public	☐	classifier
GetPointDataString	<None>	public	☑	instance
getQuery	<None>	protected	☐	instance
GetViewColumns	<None>	protected	☐	instance
getViewName	<None>	public	☐	instance
hasPointData	<None>	public	☑	instance
hideSortOrderColumn	<None>	protected	☐	instance
PutPointData	<None>	public	☑	instance
PutPointDataString	<None>	public	☑	instance
saveChanges	<None>	public	☐	instance
setConnectionString	<None>	protected	☐	instance
setData	<None>	public	☑	instance
setHeadings	<None>	public	☑	instance

Classification: GroupedControls

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
_messageEntries	<unspecified>	private	1	
m_controlIds	<unspecified>	protected	1	
messageMap	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
GroupedControls	<None>	public	☐	instance
~GroupedControls	<None>	public	☑	instance
_GetBaseMessageMap	<None>	protected	☐	classifier
GetMessageMap	<None>	protected	☑	instance
OnShowWindow	<None>	protected	☐	instance
setControls	<None>	public	☐	instance

Classification: ITableModel

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
getColumnClass	<None>	public	☑	instance
getColumnCount	<None>	public	☑	instance
getColumnName	<None>	public	☑	instance
getRowCount	<None>	public	☑	instance
getValueAt	<None>	public	☑	instance
isCellEditable	<None>	public	☑	instance
setValueAt	<None>	public	☑	instance

Classification: IniPropertyManager

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
iniFile	<unspecified>	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
IniPropertyManager	<None>	public	☐	instance
~IniPropertyManager	<None>	public	☑	instance
loadProperties	<None>	public	☑	instance
loadPropertiesFromIni	<None>	protected	☐	instance
setIniFile	<None>	public	☐	instance

Classification: LabelComboBox

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
_messageEntries	<unspecified>	private	1	
m_idGroup	<unspecified>	protected	1	
m_idLabel	<unspecified>	protected	1	
m_showLabel	<unspecified>	public	1	
messageMap	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
LabelComboBox	<None>	public	☐	instance
~LabelComboBox	<None>	public	☑	instance
_GetBaseMessageMap	<None>	protec...	☐	classifier
GetMessageMap	<None>	protec...	☑	instance
OnShowWindow	<None>	public	☐	instance
setLabels	<None>	public	☐	instance

Classification: PropertyManager

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_layoutName	<unspecified>	protected	1	
m_properties	<unspecified>	public	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
PropertyManager	<None>	public	☐	instance
~PropertyManager	<None>	public	☑	instance
CreatePropertyManager	<None>	public	☐	classifier
getBoolValue	<None>	public	☑	instance
getIntValue	<None>	public	☑	instance
getIntValue	<None>	public	☑	instance
getLayoutName	<None>	public	☑	instance
getProperties	<None>	public	☐	instance
getStringValue	<None>	public	☑	instance
getStringValue	<None>	public	☑	instance
loadProperties	<None>	public	☑	instance
patchLayout	<None>	public	☐	instance

Classification: SqlReader

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_ConnectionString	<unspecified>	protected	1	
m_Grid	<unspecified>	protected	1	
m_TableViewName	<unspecified>	protected	1	
pRs	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
SqlReader	<None>	public	☐	instance
~SqlReader	<None>	public	☑	instance
Close	<None>	public	☐	instance
GetRecordSet	<None>	public	☐	instance
GetStringField	<None>	protected	☐	instance
GetStringField	<None>	protected	☐	instance
LoadGridData	<None>	protected	☐	instance
MakeUpSQL	<None>	protected	☐	instance
PopulateGrid	<None>	public	☐	instance
SetAdoConnectionString	<None>	public	☐	instance
SetColumnNames	<None>	public	☐	instance
SetGridPointer	<None>	public	☐	instance
SetTableViewName	<None>	public	☐	instance

Classification: TableModel

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_colNames	<unspecified>	protected	1	
m_formats	<unspecified>	protected	1	
m_rowData	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
TableModel	<None>	public	☐	instance
~TableModel	<None>	public	☑	instance
getColumnClass	<None>	public	☑	instance
getColumnCount	<None>	public	☑	instance
getColumnName	<None>	public	☑	instance
getFormats	<None>	public	☐	instance
getRowCount	<None>	public	☑	instance
getValueAt	<None>	public	☑	instance
isCellEditable	<None>	public	☑	instance
setColNames	<None>	public	☐	instance
setData	<None>	public	☐	instance
setFormats	<None>	public	☐	instance
setValueAt	<None>	public	☑	instance

4.3.3 Data Browser Dialog (hzFlBrowserDlg) Library

Classification: CBrowserDlg

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_AnalysisOptions	<unspecified>	protected	1	
m_ipBrowz	<unspecified>	protected	1	
m_iphzFlMapControllerPtr	<unspecified>	protected	1	
m_LayoutName	<unspecified>	protected	1	
m_LockOnOpen	<unspecified>	protected	1	
m_NetworkCreated	<unspecified>	protected	1	
m_pApp	<unspecified>	protected	1	
m_pConn	<unspecified>	protected	1	
m_pParent	<unspecified>	protected	1	
m_pRs	<unspecified>	protected	1	
m_ReturnPeriod	<unspecified>	protected	1	
m_StudyCaseId	<unspecified>	protected	1	
m_StudyCaseName	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CBrowserDlg	<None>	public	☐	instance
~CBrowserDlg	<None>	public	☐	instance
_GetSinkMap	<None>	public	☐	classifier
AnalysisOptions	<None>	public	☐	instance
DisplayPointData	<None>	protected	☐	instance
GetDoubleField	<None>	protected	☐	instance
getHazusDataFl	<None>	private	☐	instance
getHazusHome	<None>	private	☐	instance
GetLineSymbolsFromDb	<None>	protected	☐	instance
GetLongField	<None>	protected	☐	instance
GetMarkerSymbolsFromDb	<None>	protected	☐	instance
GetPointSymbolsFromDb	<None>	protected	☐	instance
GetResMarkerSymbolsFromDb	<None>	protected	☐	instance
GetStringField	<None>	protected	☐	instance
GetViewNameAndPK	<None>	protected	☐	instance
LayoutName	<None>	public	☐	instance
LockOnOpen	<None>	public	☐	instance
OnClose	<None>	public	☐	instance
OnInitDialog	<None>	public	☐	instance
OnMapColumn	<None>	protected	☐	instance
OnOnCloseHzflbrowserctrl1	<None>	protected	☐	instance
OnSetCaptionHzflbrowserctrl1	<None>	protected	☐	instance
OnShowDataDictionaryHzflbrowserctrl1	<None>	protected	☐	instance
OnShowLibrary	<None>	protected	☐	instance
OnShowMetaDataHzflbrowserctrl1	<None>	protected	☐	instance
OnSize	<None>	protected	☐	instance
ProcessWindowMessage	<None>	public	☑	instance
ReturnPeriod	<None>	public	☐	instance
SetApplication	<None>	public	☐	instance
SetEnable	<None>	protected	☐	instance
SetParentPointer	<None>	public	☐	instance
ShadeColumn	<None>	protected	☐	instance
showOnHold	<None>	protected	☐	instance
StudyCaseId	<None>	public	☐	instance
StudyCaseName	<None>	public	☐	instance
StudyCaseStreamNetworkCreated	<None>	public	☐	instance

Classification: ChzFlBrowserDialog

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_cpSelectionSink	<unspecified>	protected	1	
m_dwCookie	<unspecified>	protected	1	
m_HideDataControl	<unspecified>	protected	1	
m_HideSpecialVScrollControl	<unspecified>	protected	1	
m_HideStudyCaseCheck	<unspecified>	protected	1	
m_ipDoc	<unspecified>	protected	1	
m_ipFeatLayer	<unspecified>	protected	1	
m_ipLayer	<unspecified>	protected	1	
m_ipMap	<unspecified>	protected	1	
m_ipMxDoc	<unspecified>	protected	1	
m_ipSelectionSink	<unspecified>	protected	1	
m_LayoutName	<unspecified>	protected	1	
m_LockOnOpen	<unspecified>	protected	1	
m_pApp	<unspecified>	protected	1	
m_pDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlBrowserDialog	<None>	public	☐	instance
~ChzFlBrowserDialog	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
ChildDialogClosed	<None>	public	☐	instance
get_HideDataControl	<None>	public	☑	instance
get_HideSpecialVScrollControl	<None>	public	☑	instance
get_HideStudyCaseCheck	<None>	public	☑	instance
get_LayoutName	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
put_HideDataControl	<None>	public	☑	instance
put_HideSpecialVScrollControl	<None>	public	☑	instance
put_HideStudyCaseCheck	<None>	public	☑	instance
put_LayoutName	<None>	public	☑	instance
put_LockOnOpen	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
Show	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlLayerSelectionSink

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_ipFeatLayer	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlLayerSelectionSink	<None>	public	☐	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
FeatureLayerSelectionChanged	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetFeatureLayerPtr	<None>	public	☐	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: _DialogSplitHelper

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
bDlgInitStm	<unspecified>	public	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
DlgTemplateItemCount	<None>	public	☐	classifier
DlgTemplateItemCount	<None>	public	☐	classifier
FindCreateData	<None>	public	☐	classifier
FindFirstDlgItem	<None>	public	☐	classifier
FindNextDlgItem	<None>	public	☐	classifier
IsDialogEx	<None>	public	☐	classifier
ParseInitData	<None>	public	☐	classifier
SplitDialogTemplate	<None>	public	☐	classifier

Classification: CAxFrameWindow

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_spActiveObject	<unspecified>	public	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CAxFrameWindow	<None>	public	☐	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
ContextSensitiveHelp	<None>	public	☑	instance
EnableModeless	<None>	public	☑	instance
FinalRelease	<None>	public	☐	instance
GetBorder	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
GetWindow	<None>	public	☑	instance
InsertMenus	<None>	public	☑	instance
ProcessWindowMessage	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
RemoveMenus	<None>	public	☑	instance
RequestBorderSpace	<None>	public	☑	instance
SetActiveObject	<None>	public	☑	instance
SetBorderSpace	<None>	public	☑	instance
SetMenu	<None>	public	☑	instance
SetStatusText	<None>	public	☑	instance
TranslateAcceleratorA	<None>	public	☑	instance

Classification: CAxHostWindow

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_bAllowContextMenu	<unspecified>	public	1	
m_bAllowShowUI	<unspecified>	public	1	
m_bCanWindowlessActivate	<unspecified>	public	1	
m_bCapture	<unspecified>	public	1	
m_bDisplayAsDefault	<unspecified>	public	1	
m_bHaveFocus	<unspecified>	public	1	
m_bInPlaceActive	<unspecified>	public	1	
m_bLocked	<unspecified>	public	1	
m_bMDIApp	<unspecified>	public	1	
m_bMessageReflect	<unspecified>	public	1	
m_bReleaseAll	<unspecified>	public	1	
m_bstrOptionKeyPath	<unspecified>	public	1	
m_bSubclassed	<unspecified>	public	1	
m_bUIActive	<unspecified>	public	1	
m_bUserMode	<unspecified>	public	1	
m_bWindowless	<unspecified>	public	1	
m_clrBackground	<unspecified>	public	1	
m_clrForeground	<unspecified>	public	1	
m_dwAdviseSink	<unspecified>	public	1	
m_dwDocHostDoubleClickFlags	<unspecified>	public	1	
m_dwDocHostFlags	<unspecified>	public	1	
m_dwMiscStatus	<unspecified>	public	1	
m_dwOleObject	<unspecified>	public	1	
m_dwViewObjectType	<unspecified>	public	1	
m_hmSize	<unspecified>	public	1	
m_iidSink	<unspecified>	public	1	
m_lcidLocaleID	<unspecified>	public	1	
m_pxSize	<unspecified>	public	1	
m_rcPos	<unspecified>	public	1	
m_spExternalDispatch	<unspecified>	public	1	
m_spFont	<unspecified>	public	1	
m_spIDocHostUIHandlerDispatch	<unspecified>	public	1	
m_spInPlaceFrame	<unspecified>	public	1	
m_spInPlaceObjectWindowless	<unspecified>	public	1	
m_spInPlaceUIWindow	<unspecified>	public	1	
m_spOleObject	<unspecified>	public	1	
m_spServices	<unspecified>	public	1	
m_spUnknown	<unspecified>	public	1	
m_spViewObject	<unspecified>	public	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CAxHostWindow	<None>	public	☐	instance
~CAxHostWindow	<None>	public	☐	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
ActivateAx	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
AdjustRect	<None>	public	☑	instance
AttachControl	<None>	public	☑	instance
CanInPlaceActivate	<None>	public	☑	instance
CanWindowlessActivate	<None>	public	☑	instance
ContextSensitiveHelp	<None>	public	☑	instance
CreateControl	<None>	public	☑	instance
CreateControlEx	<None>	public	☑	instance
DeactivateAndUndo	<None>	public	☑	instance
DiscardUndoState	<None>	public	☑	instance
EnableModeless	<None>	public	☑	instance
EnumObjects	<None>	public	☑	instance
FilterDataObject	<None>	public	☑	instance
FinalRelease	<None>	public	☐	instance
FireAmbientPropertyChange	<None>	public	☐	instance
get_AllowContextMenu	<None>	public	☑	instance
get_AllowShowUI	<None>	public	☑	instance
get_AllowWindowlessActivation	<None>	public	☑	instance
get_BackColor	<None>	public	☑	instance
get_DisplayAsDefault	<None>	public	☑	instance
get_DocHostDoubleClickFlags	<None>	public	☑	instance
get_DocHostFlags	<None>	public	☑	instance
get_Font	<None>	public	☑	instance
get_ForeColor	<None>	public	☑	instance
get_LocaleID	<None>	public	☑	instance
get_MessageReflect	<None>	public	☑	instance
get_OptionKeyPath	<None>	public	☑	instance
get_ShowGrabHandles	<None>	public	☑	instance
get_ShowHatching	<None>	public	☑	instance
get_UserMode	<None>	public	☑	instance
GetCapture	<None>	public	☑	instance
GetContainer	<None>	public	☑	instance
GetControllingUnknown	<None>	public	☑	instance
GetDC	<None>	public	☑	instance
GetDropTarget	<None>	public	☑	instance
GetExtendedControl	<None>	public	☑	instance
GetExternal	<None>	public	☑	instance

Classification: CAxHostWindow Operations (Continued)

GetFocus	<None>	public	☑	instance
GetHostInfo	<None>	public	☑	instance
GetMoniker	<None>	public	☑	instance
GetOptionKeyPath	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
GetWindow	<None>	public	☑	instance
GetWindowContext	<None>	public	☑	instance
GetWndClassInfo	<None>	public	☐	classifier
HideUI	<None>	public	☑	instance
InvalidateRect	<None>	public	☑	instance
InvalidateRgn	<None>	public	☑	instance
LockContainer	<None>	public	☑	instance
LockInPlaceActive	<None>	public	☑	instance
OnClose	<None>	public	☑	instance
OnControlInfoChanged	<None>	public	☑	instance
OnDataChange	<None>	public	☑	instance
OnDefWindowMessage	<None>	public	☑	instance
OnDestroy	<None>	public	☐	instance
OnDocWindowActivate	<None>	public	☑	instance
OnEraseBackground	<None>	public	☐	instance
OnFinalMessage	<None>	public	☑	instance
OnFocus	<None>	public	☑	instance
OnForwardMsg	<None>	public	☐	instance
OnFrameWindowActivate	<None>	public	☑	instance
OnGetControl	<None>	public	☐	instance
OnGetUnknown	<None>	public	☐	instance
OnInPlaceActivate	<None>	public	☑	instance
OnInPlaceActivateEx	<None>	public	☑	instance
OnInPlaceDeactivate	<None>	public	☑	instance
OnInPlaceDeactivateEx	<None>	public	☑	instance
OnKillFocus	<None>	public	☐	instance
OnNCHitTest	<None>	public	☐	instance
OnPaint	<None>	public	☐	instance
OnPosRectChange	<None>	public	☑	instance
OnRename	<None>	public	☑	instance
OnSave	<None>	public	☑	instance
OnSetFocus	<None>	public	☐	instance
OnShowWindow	<None>	public	☑	instance
OnSize	<None>	public	☐	instance
OnUIActivate	<None>	public	☑	instance
OnUIDeactivate	<None>	public	☑	instance
OnViewChange	<None>	public	☑	instance
OnWindowlessMouseMessage	<None>	public	☐	instance
OnWindowMessage	<None>	public	☐	instance

Classification: CAxHostWindow Operations (Continued)

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ParseDisplayName	<None>	public	☑	instance
ProcessWindowMessage	<None>	public	☑	instance
put_AllowContextMenu	<None>	public	☑	instance
put_AllowShowUI	<None>	public	☑	instance
put_AllowWindowlessActivation	<None>	public	☑	instance
put_BackColor	<None>	public	☑	instance
put_DisplayAsDefault	<None>	public	☑	instance
put_DocHostDoubleClickFlags	<None>	public	☑	instance
put_DocHostFlags	<None>	public	☑	instance
put_Font	<None>	public	☑	instance
put_ForeColor	<None>	public	☑	instance
put_LocaleID	<None>	public	☑	instance
put_MessageReflect	<None>	public	☑	instance
put_OptionKeyPath	<None>	public	☑	instance
put_UserMode	<None>	public	☑	instance
QueryControl	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
QueryService	<None>	public	☑	instance
ReflectNotifications	<None>	public	☐	instance
Release	<None>	public	☑	instance
ReleaseAll	<None>	public	☐	instance
ReleaseDC	<None>	public	☑	instance
ReleaseWindow	<None>	public	☐	instance
RequestNewObjectLayout	<None>	public	☑	instance
RequestUIActivate	<None>	public	☑	instance
ResizeBorder	<None>	public	☑	instance
SaveObject	<None>	public	☑	instance
Scroll	<None>	public	☑	instance
ScrollRect	<None>	public	☑	instance
SetCapture	<None>	public	☑	instance
SetExternalDispatch	<None>	public	☑	instance
SetExternalUIHandler	<None>	public	☑	instance
SetFocus	<None>	public	☑	instance
SetSite	<None>	public	☑	instance
ShowContextMenu	<None>	public	☑	instance
ShowObject	<None>	public	☑	instance
ShowPropertyFrame	<None>	public	☑	instance
ShowUI	<None>	public	☑	instance
SubclassWindow	<None>	public	☐	instance
TransformCoords	<None>	public	☑	instance
TranslateAcceleratorA	<None>	public	☑	instance
TranslateAcceleratorA	<None>	public	☑	instance
TranslateUrl	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier
UpdateUI	<None>	public	☑	instance

Classification: CAxUIWindow

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_spActiveObject	<unspecified>	public	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CAxUIWindow	<None>	public	☐	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
ContextSensitiveHelp	<None>	public	☑	instance
FinalRelease	<None>	public	☐	instance
GetBorder	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
GetWindow	<None>	public	☑	instance
ProcessWindowMessage	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
RequestBorderSpace	<None>	public	☑	instance
SetActiveObject	<None>	public	☑	instance
SetBorderSpace	<None>	public	☑	instance

4.3.4 Miscellaneous Dialogs (hzFlMiscDlgs) Library

Classification: CPropertyManager

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_Map	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CPropertyManager	<None>	public	☐	instance
~CPropertyManager	<None>	public	☑	instance
Count	<None>	public	☐	instance
PropertyClear	<None>	public	☐	instance
PropertyGet	<None>	public	☐	instance
PropertyGetAt	<None>	public	☐	instance
PropertySet	<None>	public	☐	instance

Classification: CabsCrpeWrapper

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_Job	<unspecified>	protected	1	
m_PropertyMap	<unspecified>	protected	1	
m_ReportMap	<unspecified>	protected	1	
m_ReportName	<unspecified>	protected	1	
m_ReportTitle	<unspecified>	protected	1	
m_ReportTmpltPath	<unspecified>	protected	1	
m_TemplateName	<unspecified>	protected	1	
m_TemplatePath	<unspecified>	protected	1	
m_Variables	<unspecified>	protected	1	
m_WhereClause	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CabsCrpeWrapper	<None>	public	☐	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
Customize	<None>	public	☑	instance
CustomizeFooters	<None>	protected	☐	instance
CustomizeFormulas	<None>	protected	☐	instance
CustomizeHeaders	<None>	protected	☐	instance
CustomizeReport	<None>	protected	☐	instance
CustomizeTables	<None>	protected	☐	instance
get_Job	<None>	public	☑	instance
get_ReportCount	<None>	public	☑	instance
GetActualReportName	<None>	public	☑	instance
GetReportNamesFromDatabase	<None>	protected	☐	instance
GetReportParmsFromDatabase	<None>	protected	☐	instance
GetUnknown	<None>	public	☐	instance
Init	<None>	public	☑	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
LogCrystalError	<None>	protected	☐	instance
OpenPrintJob	<None>	protected	☐	instance
PrintToPrinter	<None>	public	☑	instance
PrintToWindow	<None>	public	☑	instance
put_Job	<None>	public	☑	instance
put_Variable	<None>	public	☑	instance
put_WhereClause	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
ReportName	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlBldgChrDistDlg

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_Apply	<unspecified>	private	1	
m_bEditable	<unspecified>	private	1	
m_bsConnectionString	<unspecified>	private	1	
m_H	<unspecified>	private	1	
m_hDistRoot	<unspecified>	private	1	
m_Heading	<unspecified>	private	1	
m_Limbs	<unspecified>	private	1	
m_NoEditSchemeDesc	<unspecified>	private	1	
m_NoEditSchemeName	<unspecified>	private	1	
m_pConnection	<unspecified>	private	1	
m_pRSLower	<unspecified>	private	1	
m_pRSTree	<unspecified>	private	1	
m_pRSUpper	<unspecified>	private	1	
m_pSpreadLower	<unspecified>	private	1	
m_pSpreadUpper	<unspecified>	private	1	
m_SchemeDesc	<unspecified>	private	1	
m_SchemeID	<unspecified>	private	1	
m_SchemeName	<unspecified>	private	1	
m_Tree	<unspecified>	private	1	
m_WasTheTreeClicked	<unspecified>	public	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlBldgChrDistDlg	<None>	public	☐	instance
ChzFlBldgChrDistDlg	<None>	public	☐	instance
ChzFlBldgChrDistDlg	<None>	public	☐	instance
~ChzFlBldgChrDistDlg	<None>	public	☐	instance
_GetSinkMap	<None>	public	☐	classifier
CreateRS	<None>	private	☐	instance
GenerateHeadingString	<None>	private	☐	instance
GenerateSQL	<None>	private	☐	instance
GetConnected	<None>	private	☐	instance
GetRS	<None>	private	☐	instance
GetSelectedItemText	<None>	private	☐	instance
InitGrid	<None>	private	☐	instance
InitTree	<None>	private	☐	instance
IsLowerColSumAHundred	<None>	public	☐	instance
IsUpperColSumAHundred	<None>	public	☐	instance
OnCancel	<None>	public	☐	instance
OnClickedApply	<None>	public	☐	instance
OnClickedCollapseall	<None>	public	☐	instance
OnClickedExpandall	<None>	public	☐	instance
OnClickTree	<None>	public	☐	instance
OnDestroy	<None>	public	☐	instance
OnInitDialog	<None>	public	☐	instance
OnOK	<None>	public	☐	instance
OnSelchangedTree	<None>	public	☐	instance
ProcessWindowMessage	<None>	public	☑	instance
TreeToggle	<None>	private	☐	instance

Classification: ChzFlBldgOccMappingDialog

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_ipApp	<unspecified>	protected	1	
m_ipCoExtension	<unspecified>	protected	1	
m_ipHzFlWfHelpers	<unspecified>	protected	1	
m_pDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlBldgOccMappingDialog	<None>	public	☐	instance
~ChzFlBldgOccMappingDialog	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
Bind	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
Show	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlBldgOccMappingDlg

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_ApplyDate	<unspecified>	protected	1	
m_ApplyType	<unspecified>	protected	1	
m_bsConnectionString	<unspecified>	private	1	
m_ButtonApply	<unspecified>	protected	1	
m_ButtonDelete	<unspecified>	protected	1	
m_ButtonEdit	<unspecified>	protected	1	
m_ButtonMitigate	<unspecified>	protected	1	
m_Check1	<unspecified>	protected	1	
m_ComboScheme	<unspecified>	protected	1	
m_currRow	<unspecified>	private	1	
m_Dirty	<unspecified>	private	1	
m_EntryDate	<unspecified>	protected	1	
m_EntryType	<unspecified>	protected	1	
m_FloodGeneral	<unspecified>	protected	1	
m_Heading	<unspecified>	protected	1	
m_ipHzFlWfHelpers	<unspecified>	protected	1	
m_ipLowerSpread	<unspecified>	protected	1	
m_ipMouseCursor	<unspecified>	protected	1	
m_ipUpperSpread	<unspecified>	protected	1	
m_lSelectedRows	<unspecified>	private	1	
m_pBldgChrDistDlg	<unspecified>	protected	1	
m_pBldgTypeDistDlg	<unspecified>	protected	1	
m_pConnection	<unspecified>	protected	1	
m_pCounty	<unspecified>	protected	1	
m_pNewSchemeDlg	<unspecified>	protected	1	
m_pState	<unspecified>	protected	1	
m_RadioBlock	<unspecified>	protected	1	
m_RadioButton	<unspecified>	protected	1	
m_RadioCounty	<unspecified>	protected	1	
m_RadioTract	<unspecified>	protected	1	
m_RecordsetCounty	<unspecified>	protected	1	
m_RecordsetLower	<unspecified>	protected	1	
m_RecordsetMappingScheme	<unspecified>	protected	1	
m_RecordsetState	<unspecified>	protected	1	
m_RecordsetUpper	<unspecified>	protected	1	
m_ScenarioCB	<unspecified>	protected	1	
m_ScenarioID	<unspecified>	protected	1	
m_SchemeDesc	<unspecified>	protected	1	
m_SchemeID	<unspecified>	protected	1	
m_SchemeName	<unspecified>	protected	1	
m_SchemeType	<unspecified>	protected	1	
m_SelectedCounty	<unspecified>	protected	1	
m_SelectedState	<unspecified>	protected	1	
m_strEntryDate	<unspecified>	private	1	
m_strSelectedType	<unspecified>	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlBldgOccMappingDlg	<None>	public	☐	instance
~ChzFlBldgOccMappingDlg	<None>	public	☐	instance
_GetSinkMap	<None>	public	☐	classifier
CreateConnection	<None>	protec...	☐	instance
CreateRS	<None>	protec...	☐	instance
DoApply	<None>	private	☐	instance
GenerateHeadingString	<None>	protec...	☐	instance
GenerateSqlLeftHandSide	<None>	protec...	☐	instance
GenerateSqlLower	<None>	protec...	☐	instance
GenerateSqlUpper	<None>	protec...	☐	instance
GetCLR	<None>	private	☐	instance
GetRecordsetLeftHandSide	<None>	protec...	☐	instance
GetRecordsetLower	<None>	protec...	☐	instance
GetRecordsetUpper	<None>	protec...	☐	instance
GetSchemeNameType	<None>	private	☐	instance
GetSelectedMappingSchemeId	<None>	private	☐	instance
InitApply	<None>	private	☐	instance
InitCounty	<None>	private	☐	instance
InitGridCommon	<None>	private	☐	instance
InitGridLower	<None>	private	☐	instance
InitGrids	<None>	private	☐	instance
InitGridUpper	<None>	private	☐	instance
InitMappingScheme	<None>	private	☐	instance
InitState	<None>	private	☐	instance
InitSystemUserSchemes	<None>	private	☐	instance
InstantiateView	<None>	private	☐	instance
IsBlockSelOfHazType	<None>	private	☐	instance
IsSchemeSystem	<None>	private	☐	instance
KeepChanges	<None>	private	☐	instance
OnCancel	<None>	protec...	☐	instance
OnClickedApply	<None>	protec...	☐	instance
OnClickedApplydate	<None>	protec...	☐	instance
OnClickedApplytype	<None>	protec...	☐	instance
OnClickedBtnmitigate	<None>	protec...	☐	instance
OnClickedButtonCopy	<None>	protec...	☐	instance
OnClickedButtonDelete	<None>	protec...	☐	instance
OnClickedButtonEdit	<None>	protec...	☐	instance
OnClickedButtonView	<None>	protec...	☐	instance
OnClickedCheck1	<None>	protec...	☐	instance
OnClickedRadioblock	<None>	protec...	☐	instance
OnClickedRadiocounty	<None>	protec...	☐	instance
OnClickedRadiotract	<None>	protec...	☐	instance
OnClickedViewmap	<None>	protec...	☐	instance
OnClickSpread2	<None>	protec...	☐	instance
OnDblClickSpread3	<None>	protec...	☐	instance
OnDestroy	<None>	protec...	☐	instance
OnInitDialog	<None>	protec...	☐	instance
OnKillfocusEffdate	<None>	protec...	☐	instance

Classification: ChzFlBldgOccMappingDlg Operations (Continued)

OnOK	<None>	protec...	☐	instance
OnSelchangeListCounty	<None>	protec...	☐	instance
OnSelchangeListState	<None>	protec...	☐	instance
OnSelchangeSchemetype	<None>	protec...	☐	instance
ProcessWindowMessage	<None>	public	☑	instance
SetGeneralOrFloodSpecific	<None>	public	☐	instance
SetNewSchemeInRS	<None>	private	☐	instance
SetNewTypeInRS	<None>	private	☐	instance
SetNewYearInRS	<None>	private	☐	instance
SetWfHelpersPtr	<None>	public	☐	instance

Classification: ChzFlBldgTypeDistDlg

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_Apply	<unspecified>	protected	1	
m_bEditable	<unspecified>	private	1	
m_ipSpread	<unspecified>	protected	1	
m_NoEditSchemeDesc	<unspecified>	protected	1	
m_NoEditSchemeName	<unspecified>	protected	1	
m_pRecordset	<unspecified>	protected	1	
m_SchemeDesc	<unspecified>	private	1	
m_SchemeID	<unspecified>	private	1	
m_SchemeName	<unspecified>	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlBldgTypeDistDlg	<None>	public	☐	instance
ChzFlBldgTypeDistDlg	<None>	public	☐	instance
ChzFlBldgTypeDistDlg	<None>	public	☐	instance
~ChzFlBldgTypeDistDlg	<None>	public	☐	instance
_GetSinkMap	<None>	public	☐	classifier
GenerateHeadingString	<None>	protected	☐	instance
GenerateSql	<None>	protected	☐	instance
GetConnectionString	<None>	protected	☐	instance
GetRecordset	<None>	protected	☐	instance
InitGrid	<None>	protected	☐	instance
IsRowSumAHundred	<None>	protected	☐	instance
OnCancel	<None>	public	☐	instance
OnClickedApply	<None>	public	☐	instance
OnDestroy	<None>	public	☐	instance
OnInitDialog	<None>	public	☐	instance
OnLeaveCellSpreadbldgtypedist	<None>	public	☐	instance
OnOK	<None>	public	☐	instance
ProcessWindowMessage	<None>	public	☑	instance
SetEditability	<None>	protected	☐	instance

Classification: ChzFlDamageLibraryDialog

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlDamageLibraryDialog	<None>	public	☐	instance
~ChzFlDamageLibraryDialog	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
put_DmgFnIdFieldName	<None>	public	☑	instance
put_DmgTableName	<None>	public	☑	instance
put_Filter	<None>	public	☑	instance
put_TableName	<None>	public	☑	instance
put_XrefTableName	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
Show	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlDamageLibraryDlg

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_DmgFnIdFieldName	<unspecified>	protected	1	
m_DmgFnNames	<unspecified>	protected	1	
m_DmgTableName	<unspecified>	protected	1	
m_DmgXrefTableName	<unspecified>	protected	1	
m_Filter	<unspecified>	protected	1	
m_ipLeftSideSpread	<unspecified>	protected	1	
m_ipLowerSpread	<unspecified>	protected	1	
m_ipUpperSpread	<unspecified>	protected	1	
m_mapSelectedId	<unspecified>	protected	1	
m_pCurrentSource	<unspecified>	protected	1	
m_pDefaultSource	<unspecified>	protected	1	
m_pOccTypeList	<unspecified>	protected	1	
m_pSelectButton	<unspecified>	protected	1	
m_pSelectedSource	<unspecified>	protected	1	
m_pUserDef	<unspecified>	protected	1	
m_RecordsetLeftHandSide	<unspecified>	protected	1	
m_RecordsetLower	<unspecified>	protected	1	
m_RecordsetUpper	<unspecified>	protected	1	
m_TableName	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlDamageLibraryDlg	<None>	public	☐	instance
~ChzFlDamageLibraryDlg	<None>	public	☑	instance
_GetSinkMap	<None>	public	☐	classifier
CacheSelectedID	<None>	protected	☐	instance
ChangeCurrentRow	<None>	protected	☐	instance
ClearSelectedLabel	<None>	protected	☐	instance
CopyLowerToUpper	<None>	protected	☐	instance
GenerateHeadingString	<None>	protected	☐	instance
GenerateSqlLeftHandSide	<None>	protected	☐	instance
GenerateSqlLower	<None>	protected	☐	instance
GenerateSqlUpper	<None>	protected	☐	instance
GetConnectionString	<None>	protected	☐	instance
GetCurrentDefaultID	<None>	protected	☐	instance
GetCurrentID	<None>	protected	☐	instance
GetCurrentSelectedID	<None>	protected	☐	instance
GetCurrentSOccupID	<None>	protected	☐	instance
GetRecordsetLeftHandSide	<None>	protected	☐	instance
GetRecordsetLower	<None>	protected	☐	instance
GetRecordsetUpper	<None>	protected	☐	instance
GetSelectedID	<None>	protected	☐	instance
GetStringField	<None>	protected	☐	instance
GetStringField	<None>	protected	☐	instance
InitGridCommon	<None>	protected	☐	instance
InitGridLower	<None>	protected	☐	instance
InitGridUpper	<None>	protected	☐	instance
InitLeftHandSide	<None>	protected	☐	instance
isUserDefined	<None>	protected	☐	instance
LoadSelectedCache	<None>	protected	☐	instance
OnCancel	<None>	public	☐	instance
OnClickedSelect	<None>	public	☐	instance
OnClickedUserdefined	<None>	public	☐	instance
OnCtlColor	<None>	public	☐	instance
OnDestroy	<None>	public	☐	instance
OnInitDialog	<None>	public	☐	instance
OnLeaveCellFpspread2	<None>	public	☐	instance
OnLeaveCellFpspread3	<None>	public	☐	instance
OnOK	<None>	public	☐	instance
OnSelchangeOcctypelist	<None>	public	☐	instance
populateOccList	<None>	protected	☐	instance
PreserveSelectedCache	<None>	protected	☐	instance
ProcessWindowMessage	<None>	public	☑	instance

Classification: ChzFlDamageLibraryDlg Operations (Continued)

SelectIDRowLower	<None>	protected	☐	instance
SetColorGridLower	<None>	protected	☐	instance
SetCurrentLabel	<None>	protected	☐	instance
SetDefaultLabel	<None>	protected	☐	instance
SetDmgFnIdFieldName	<None>	public	☐	instance
SetDmgTableName	<None>	public	☐	instance
SetFilter	<None>	public	☐	instance
SetLabelText	<None>	protected	☐	instance
SetSelectButtonText	<None>	protected	☐	instance
SetSelectedLabel	<None>	protected	☐	instance
SetTableName	<None>	public	☐	instance
SetXrefTableName	<None>	public	☐	instance
ShowSelectedRow	<None>	protected	☐	instance

Classification: ChzFlDevVelGridDialog

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_ipApp	<unspecified>	protected	1	
m_ipCoExtension	<unspecified>	protected	1	
m_ipHzFlWfHelpers	<unspecified>	protected	1	
m_pDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlDevVelGridDialog	<None>	public	☐	instance
~ChzFlDevVelGridDialog	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
Show	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlDevVelGridDlg

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_ipHzFlWfHelpers	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlDevVelGridDlg	<None>	public	☐	instance
~ChzFlDevVelGridDlg	<None>	public	☐	instance
OnCancel	<None>	public	☐	instance
OnClickedSelectall	<None>	protected	☐	instance
OnInitDialog	<None>	public	☐	instance
OnOK	<None>	public	☐	instance
ProcessWindowMessage	<None>	public	☑	instance
SetWfHelpersPtr	<None>	public	☐	instance

Classification: ChzFlDmgDefUserDefDlg

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_bstr	<unspecified>	private	1	
m_DmgFnIdFieldName	<unspecified>	private	1	
m_DmgFnNames	<unspecified>	protected	1	
m_ID	<unspecified>	private	1	
m_ipSpread	<unspecified>	protected	1	
m_pBasement	<unspecified>	protected	1	
m_pComment	<unspecified>	protected	1	
m_pDescription	<unspecified>	protected	1	
m_pOccType	<unspecified>	protected	1	
m_pSource	<unspecified>	protected	1	
m_pStories	<unspecified>	protected	1	
m_Recordset	<unspecified>	protected	1	
m_SOccupID	<unspecified>	private	1	
m_TableName	<unspecified>	private	1	
m_TableNameDmgFn	<unspecified>	private	1	
m_TableNameXref	<unspecified>	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlDmgDefUserDefDlg	<None>	public	☐	instance
~ChzFlDmgDefUserDefDlg	<None>	public	☐	instance
copyFields	<None>	protected	☐	instance
GenerateHeadingString	<None>	protected	☐	instance
GenerateSql	<None>	protected	☐	instance
GetGridText	<None>	protected	☐	instance
GetID	<None>	public	☐	instance
GetSOccupID	<None>	public	☐	instance
GetStringField	<None>	protected	☐	instance
GetStringField	<None>	protected	☐	instance
InitEditControls	<None>	protected	☐	instance
InitGrid	<None>	protected	☐	instance
IsEditable	<None>	protected	☐	instance
OnCancel	<None>	public	☐	instance
OnInitDialog	<None>	public	☐	instance
OnOK	<None>	public	☐	instance
populateStoriesCombo	<None>	protected	☐	instance
ProcessWindowMessage	<None>	public	☑	instance
PutValue	<None>	protected	☐	instance
PutValue	<None>	protected	☐	instance
RecordIsValid	<None>	protected	☐	instance
Save	<None>	protected	☐	instance
SetDmgFnIdFieldName	<None>	public	☐	instance
SetDmgFnTableName	<None>	public	☐	instance
SetID	<None>	public	☐	instance
SetSOccupID	<None>	public	☐	instance
SetTableName	<None>	public	☐	instance
SetXrefTableName	<None>	public	☐	instance

Classification: ChzFlMLayout

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_bCreateMapSurround	<unspecified>	private	1	
m_pESRIApplication	<unspecified>	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlMLayout	<None>	public	☐	instance
_addFrames	<None>	protected	☐	instance
_addMapSurround	<None>	protected	☐	instance
_addPictureItem	<None>	protected	☐	instance
_addScale	<None>	protected	☐	instance
_addTextItem	<None>	protected	☐	instance
_addTextItems	<None>	protected	☐	instance
_Cache	<None>	public	☐	classifier
_cleanExistingElements	<None>	protected	☐	instance
_createFrame	<None>	protected	☐	instance
_createMapSurround	<None>	protected	☐	instance
_formatLegend	<None>	protected	☐	instance
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
_setPageOrientation	<None>	protected	☐	instance
_updateMapFrame	<None>	protected	☐	instance
AddRef	<None>	public	☑	instance
CreateMLayout	<None>	public	☑	instance
GetConnMap	<None>	public	☐	classifier
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlNewSchemeDlg

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_BaseName	<unspecified>	private	1	
m_bGeneral	<unspecified>	private	1	
m_NewDesc	<unspecified>	private	1	
m_NewName	<unspecified>	private	1	
m_RecordsetMappingScheme	<unspecified>	private	1	
m_strBaseID	<unspecified>	private	1	
m_strBaseName	<unspecified>	private	1	
m_strNewDesc	<unspecified>	private	1	
m_strNewName	<unspecified>	private	1	
m_strTable	<unspecified>	private	1	

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_BaseName	<unspecified>	private	1	
m_bGeneral	<unspecified>	private	1	
m_NewDesc	<unspecified>	private	1	
m_NewName	<unspecified>	private	1	
m_RecordsetMappingScheme	<unspecified>	private	1	
m_strBaseID	<unspecified>	private	1	
m_strBaseName	<unspecified>	private	1	
m_strNewDesc	<unspecified>	private	1	
m_strNewName	<unspecified>	private	1	
m_strTable	<unspecified>	private	1	

Classification: ChzFlReportDialog

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_ipApp	<unspecified>	protected	1	
m_ipCoExtension	<unspecified>	protected	1	
m_ipHzFlWfHelpers	<unspecified>	protected	1	
m_pDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlReportDialog	<None>	public	☐	instance
~ChzFlReportDialog	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
Show	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlReportDlg

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_hWnd	<unspecified>	protected	1	
m_ipCrappyWrapper	<unspecified>	protected	1	
m_ipHzFlWfHelpers	<unspecified>	protected	1	
m_pPrint	<unspecified>	protected	1	
m_pReportList	<unspecified>	protected	1	
m_ReportList	<unspecified>	protected	1	
m_Tab	<unspecified>	protected	1	
variableSpecialOPT	<unspecified>	protected	1	
variableSpecialRTN	<unspecified>	protected	1	
variableSpecialSCD	<unspecified>	protected	1	
variableSpecialSCI	<unspecified>	protected	1	
variableSpecialSCN	<unspecified>	protected	1	
variableSpecialSRD	<unspecified>	protected	1	
variableSpecialSRN	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlReportDlg	<None>	public	☐	instance
~ChzFlReportDlg	<None>	public	☐	instance
GetReportList	<None>	public	☐	instance
OnCancel	<None>	public	☐	instance
OnDblclkReportlist	<None>	public	☐	instance
OnInitDialog	<None>	public	☐	instance
OnOK	<None>	public	☐	instance
OnSelchangeReportlist	<None>	public	☐	instance
OnSelchangeTab1	<None>	public	☐	instance
PrintIt	<None>	protec...	☐	instance
ProcessWindowMessage	<None>	public	☑	instance
SethWnd	<None>	public	☐	instance
SetupTab	<None>	protec...	☐	instance
SetupTabs	<None>	protec...	☐	instance
SetWfHelpersPtr	<None>	public	☐	instance
ShowHideControls	<None>	protec...	☐	instance

Classification: hzDmgFnNames

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_BasementFieldName	<unspecified>	public	1	
m_BucketColWidth	<unspecified>	public	1	
m_BucketDecPlaces	<unspecified>	public	1	
m_BucketPrefix	<unspecified>	public	1	
m_BucketSuffix	<unspecified>	public	1	
m_firstHt	<unspecified>	public	1	
m_HazardRName	<unspecified>	public	1	
m_htIncrement	<unspecified>	public	1	
m_lastHt	<unspecified>	public	1	
m_OccupancyFieldName	<unspecified>	public	1	
m_SoccupIdFieldName	<unspecified>	public	1	
m_StoriesFieldName	<unspecified>	public	1	
m_tableName	<unspecified>	public	1	
m_ViewBucketSuffix	<unspecified>	public	1	
m_XrefSoccupIdFieldName	<unspecified>	public	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
hzDmgFnNames	<None>	public	☐	instance
~hzDmgFnNames	<None>	public	☑	instance
getHeightFieldNames	<None>	public	☐	instance
init	<None>	public	☐	instance
initBridgeNames	<None>	public	☐	instance
initCommon	<None>	public	☐	instance
initStructNames	<None>	public	☐	instance
initUtilNames	<None>	public	☐	instance
initVehNames	<None>	public	☐	instance

4.3.5 Summary Reports (hzFlVbDialogs) Library

Classification: CCrystalWrapper

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_reportName	VB::String	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
let_ReportName	<None>	public	☐	instance
CrystalWrapperShow	<None>	public	☐	instance
ShowIt	<None>	private	☐	instance

Classification: CDialogControl

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_Path	VB::String	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
DirListDlgShow	<None>	public	☐	instance
get_DirListPath	VB::String	public	☐	instance
let_DirListPath	<None>	public	☐	instance

Classification: CFloodWarnimgDialog

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_WarningParms(0 To 5)	VB::String	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
FloodWarningParametersShow	<None>	public	☐	instance
get_StructureLossReduction	VB::String	public	☐	instance
let_StructureLossReduction	<None>	public	☐	instance
get_ContentWarningTime	VB::String	public	☐	instance
let_ContentWarningTime	<None>	public	☐	instance
get_ContentLossReduction	VB::String	public	☐	instance
let_ContentLossReduction	<None>	public	☐	instance
get_InventoryWarningTime	VB::String	public	☐	instance
let_InventoryWarningTime	<None>	public	☐	instance
get_InventoryLossReduction	VB::String	public	☐	instance
let_InventoryLossReduction	<None>	public	☐	instance
get_VehiclesMoved	VB::String	public	☐	instance
let_VehiclesMoved	<None>	public	☐	instance

Classification: CLossCalculator

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_Cancelled	VB::Boolean	private	1	
m_SelectedOptions	External Classes::Collection	private	1	
m_ReturnedOptions	External Classes::Collection	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
get_SelectedOptions	VB::Long	public	☐	instance
let_SelectedOptions	<None>	public	☐	instance
get_SelectedOptionsCount	VB::Long	public	☐	instance
get_CategoryFromIndex	VB::Long	public	☐	instance
get_WasCancelled	VB::Boolean	public	☐	instance
LossCalculatorDlgShow	<None>	public	☐	instance
Class_Initialize	<None>	private	☐	instance
Class_Terminate	<None>	private	☐	instance

Classification: CShelterDialog

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_Cancelled	VB::Boolean	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
get_WasCancelled	VB::Boolean	public	☐	instance
ShelterDialogShow	<None>	public	☐	instance

Classification: frmCrystal

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_reportName	VB::String	private	1	
m_wfh	External Classes::hzFlWfHelpers	private	1	
m_IApplication	esriArcMap::Application	private	1	
m_Properties	External Classes::Collection	private	1	
m_Formulas	External Classes::Collection	private	1	
m_Conn	ADODB::Connection	private	1	
m_sConnStr	VB::String	private	1	
m_sCaseId	VB::Long	private	1	
m_sReturnPeriod	VB::String	private	1	
m_sAnalopts	VB::String	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
set_ApplicationPtr	<None>	public	☐	instance
let_ReportName	<None>	public	☐	instance
Form_Load	<None>	private	☐	instance
Form_Unload	<None>	private	☐	instance
Form_Resize	<None>	private	☐	instance
DoProcedureFirst	VB::Boolean	private	☐	instance
SetupSubReport	VB::Boolean	private	☐	instance
GenerateReport	VB::Boolean	private	☐	instance
Init	VB::Boolean	private	☐	instance

Classification: frmDemExtent

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_StudyRegionPath	VB::String	private	1	
dLLLat	VB::Double	private	1	
dLLLong	VB::Double	private	1	
dURLat	VB::Double	private	1	
dURLong	VB::Double	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
set_AppName	<None>	public	☐	instance
let_RegionPath	<None>	public	☐	instance
SetCoords	<None>	public	☐	instance
Form_Load	<None>	private	☐	instance
cmdNed_Click	<None>	private	☐	instance
cmdClose_Click	<None>	private	☐	instance
HandleSlash	VB::String	private	☐	instance
FormatNumber	<None>	private	☐	instance

Classification: frmDirList

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_Path	VB::String	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
get_Path	VB::String	public	☐	instance
let_Path	<None>	public	☐	instance
Form_Load	<None>	private	☐	instance
cmdMain_Click	<None>	private	☐	instance
dlbMain_Change	<None>	private	☐	instance

Classification: frmFFE

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_strConn	VB::String	private	1	
ipCoExtension	External Classes::hzCoExtensionController	private	1	
m_WfHelper	External Classes::hzFlWfHelpers	private	1	
m_intFFESet	VB::Integer	private	1	
m_blnUDefChanged	VB::Boolean	private	1	
RGN_VAR_FFESET	<unspecified>	private	1	"FFESET"
RGN_VAR_HAZTYPE	<unspecified>	private	1	"Hazard_Type"

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
set_AppName	<None>	public	☐	instance
let_ADOConnection	<None>	public	☐	instance
Form_Load	<None>	private	☐	instance
chkDefault_Click	<None>	private	☐	instance
chkUDef_Click	<None>	private	☐	instance
cmdOK_Click	<None>	private	☐	instance
GetUiCoExtensionController	External Classes::hzCoExtensionController	private	☐	instance
sprUdef_Change	<None>	private	☐	instance

Classification: frmFloodWarningParameters

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
GWL_STYLE	<unspecified>	private	1	(-16)
ES_LOWERCASE	<unspecified>	private	1	&H10&
ES_UPPERCASE	<unspecified>	private	1	&H8&
ES_NUMBER	<unspecified>	private	1	&H2000&
maxVal(0 To 5)	VB::Integer	private	1	
m_WasCancelled	VB::Boolean	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
get_WasCancelled	VB::Boolean	public	☐	instance
Form_Load	<None>	private	☐	instance
cmdAnafldwarn_Click	<None>	private	☐	instance
ValidateEntry	VB::Boolean	private	☐	instance

Classification: frmSetReturnPeriod

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
blnRiverine	VB::Boolean	private	1	
intReturnPeriod	VB::Integer	private	1	
strUnits	VB::String	private	1	
RivMinimumReturnPeriod	VB::Integer	private	1	2
RivMaximumReturnPeriod	VB::Integer	private	1	1000
CoastMinimumReturnPeriod	VB::Integer	private	1	10
CoastMaximumReturnPeriod	VB::Integer	private	1	500

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
let_Riverine	<None>	public	☐	instance
let_ReturnPeriod	<None>	public	☐	instance
let_Units	<None>	public	☐	instance
Form_Activate	<None>	private	☐	instance
cmdOK_Click	<None>	private	☐	instance
ValidateInput	VB::Boolean	private	☐	instance
cmdCancel_Click	<None>	private	☐	instance

Classification: frmShelter

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
GWL_STYLE	<unspecified>	private	1	(-16)
ES_LOWERCASE	<unspecified>	private	1	&H10&
ES_UPPERCASE	<unspecified>	private	1	&H8&
ES_NUMBER	<unspecified>	private	1	&H2000&
m_WasCancelled	VB::Boolean	private	1	
m_IApplication	esriArcMap::Application	private	1	
m_wfh	External Classes::hzFlWfHelpers	private	1	
mintCurFrame	VB::Integer	private	1	
FRA1_LBL1_TAB0	<unspecified>	private	1	"Depth at which ingress/egress is restricted:"
FRA1_LBL1_TAB1	<unspecified>	private	1	"Percent of affected households (0-100):"
FRA1_LBL2_TAB0	<unspecified>	private	1	"feet"
FRA1_LBL2_TAB1	<unspecified>	private	1	"%"
FRA2_LBL1_TAB0	<unspecified>	private	1	"Evacuation buffer (additional perimiter eva...
FRA2_LBL1_TAB1	<unspecified>	private	1	""
FRA2_LBL2_TAB0	<unspecified>	private	1	"feet"
FRA2_LBL2_TAB1	<unspecified>	private	1	""
FRA1_CAPT_TAB0	<unspecified>	private	1	"Access "
FRA2_CAPT_TAB0	<unspecified>	private	1	"Evacuation Zone "
FRA1_CAPT_TAB1	<unspecified>	private	1	"Utility Outage "
FRA4_CAPT_TAB3	<unspecified>	private	1	"Modification factors for "
SHLTR_BY_AGE	<unspecified>	private	1	"Age"
SHLTR_BY_INC	<unspecified>	private	1	"Income"
m_Conn	ADODB::Connection	private	1	
m_RsTab2	ADODB::Recordset	private	1	
RGN_VAR_SHLTR_INGRESS	<unspecified>	private	1	"Shelter_Ingress"
RGN_VAR_SHLTR_EVACBUF	<unspecified>	private	1	"Shelter_EvacBuffer"
RGN_VAR_SHLTR_PCTAFF	<unspecified>	private	1	"Shelter_Pct_Affected"
m_Ingress	VB::Double	private	1	
m_EvacBuf	VB::Long	private	1	
m_PctAff	VB::Double	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
get_WasCancelled	VB::Boolean	public	☐	instance
set_ApplicationPtr	<None>	public	☐	instance
Combo1_Click	<None>	private	☐	instance
Form_Load	<None>	private	☐	instance
Form_Activate	<None>	private	☐	instance
Form_Unload	<None>	private	☐	instance
cmdMain_Click	<None>	private	☐	instance
Init	<None>	private	☐	instance
tabMain_BeforeClick	<None>	private	☐	instance
ValidateGrid	VB::Boolean	private	☐	instance
tabMain_Click	<None>	private	☐	instance
UpdateControls	<None>	private	☐	instance
PopulateGridTab2	<None>	private	☐	instance
PopulateGridTab3	<None>	private	☐	instance
PopulateGridTabGeneric	<None>	private	☐	instance
Text1_LostFocus	<None>	private	☐	instance

Classification: frmUserData

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_pMxDoc	esriArcMapUI::IMxDocument	private	1	
m_pFrame	esriFramework::IModelessFrame	private	1	
m_pCoExtension	External Classes::hzCoExtensionController	private	1	
m_pWfHelper	External Classes::hzFlWfHelpers	private	1	
m_HazardType	External Classes::hzFlRivCoastBoth	private	1	
m_DEMPathAndNames	External Classes::Collection	private	1	
m_FITRivPaths	External Classes::Collection	private	1	
m_FITCoastPaths	External Classes::Collection	private	1	
m_DepthGridRivPaths	External Classes::Collection	private	1	
m_DepthGridCoastPaths	External Classes::Collection	private	1	
m_DepthGridRivRPD	External Classes::Collection	private	1	
m_DepthGridCoastRPD	External Classes::Collection	private	1	
m_DepthGridRivUnits	External Classes::Collection	private	1	
m_DepthGridCoastUnits	External Classes::Collection	private	1	
m_DfirmRivPaths	External Classes::Collection	private	1	
m_DfirmCoastPaths	External Classes::Collection	private	1	
m_strVerticalUnits	VB::String	private	1	
m_strOutputPath	VB::String	private	1	
m_strOutputName	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_strDataPath	VB::String	private	1	
m_dblCellSize	VB::Double	private	1	
m_blnDEMDataChanged	VB::Boolean	private	1	
m_intDEMCount	VB::Integer	private	1	
m_intDEMListWidth	VB::Integer	private	1	
m_blnFITDataChanged	VB::Boolean	private	1	
m_intFITGridCount	VB::Integer	private	1	
m_intFITCount	VB::Integer	private	1	
m_intFIT1ListWidth	VB::Integer	private	1	
m_intFIT2ListWidth	VB::Integer	private	1	
m_blnDepthGridDataChanged	VB::Boolean	private	1	
m_blnDepthGridRemoved	VB::Boolean	private	1	
m_blnDepthGridParamsChanged	VB::Boolean	private	1	
m_intDepthGridCount	VB::Integer	private	1	
m_intDepthGrid1ListWidth	VB::Integer	private	1	
m_intDepthGrid2ListWidth	VB::Integer	private	1	
m_intReturnPeriod	VB::Integer	private	1	
m_strUnits	VB::String	private	1	
m_blnDfirmDataChanged	VB::Boolean	private	1	
m_intDfirmCount	VB::Integer	private	1	
m_intDfirm1ListWidth	VB::Integer	private	1	
m_intDfirm2ListWidth	VB::Integer	private	1	
MODULE	VB::String	private	1	"frmUserData - "
userData	VB::String	private	1	"UserData"

Classification: frmUserData Attributes (Continued)

FIT	VB::String	private	1	"FIT"
DG	VB::String	private	1	"DepthGrid"
DFIRM	VB::String	private	1	"Dfirm"
Riverine	VB::String	private	1	"Riverine"
COASTAL	VB::String	private	1	"Coastal"
DEPTH	VB::String	private	1	"Depth"
FITPRE	VB::String	private	1	"FT"
DGPRE	VB::String	private	1	"DG"
temp	VB::String	private	1	"Temp"
DIR_RGNDEM	VB::String	private	1	"RegionDEM"
FC_BND	VB::String	private	1	"hzboundary"
FC_CB	VB::String	private	1	"hzCensusBlock"
FC_MASK	VB::String	private	1	"Mask"
FC_REQDEM	VB::String	private	1	"ReqDEMPolygon"
FC_FITRIV	VB::String	private	1	"FITRiv"
FC_FITCOAST	VB::String	private	1	"FITCoast"
FC_DGRIV	VB::String	private	1	"DGRiv"
FC_DGCOAST	VB::String	private	1	"DGCoast"
FC_CHSNREACH	VB::String	private	1	"ChosenReaches"
FC_CHSNSHORE	VB::String	private	1	"ChosenShorelines"
MDB_RGNBND	VB::String	private	1	"RegionBndry"
MDB_FITRES	VB::String	private	1	"FITResults"
MDB_RIVOUT	VB::String	private	1	"FlAnRivOutput"
MDB_CASEOUT	VB::String	private	1	"CaseOutput"
RAS_CLIPDEM	VB::String	private	1	"clipdem"
TYPE_FIT	VB::Integer	private	1	1
TYPE_DG	VB::Integer	private	1	2
TYPE_DFIRM	VB::Integer	private	1	3
ER_SCAVAIL	VB::String	private	1	"512"
ER_DEMCOMP	VB::String	private	1	"8192"
ER_DEMINP	VB::String	private	1	"131072"
FEETTOMETERS	<unspecified>	private	1	0.3048
RGN_VAR_HAZ_TYPE	VB::String	private	1	"Hazard_Type"
RGN_VAR_VERTICAL_DATUM	VB::String	private	1	"Vertical_Datum"
RGN_VAR_VERTICAL_UNITS	VB::String	private	1	"Vertical_Units"
RGN_VAR_DEM_DATASET_COUNT	VB::String	private	1	"DEM_DataSet_Count"
RGN_VAR_DEM_DATASET	VB::String	private	1	"DEM_DataSet"
RGN_VAR_REQDEM_INVALID	VB::String	private	1	"ReqDEM_Invalid"
RGN_VAR_STREAM_NETWORK_CREATED	VB::String	private	1	"Stream_Network_Created"
RGN_VAR_CB_GEOMS_REPAIRED	VB::String	private	1	"CB_Geoms_Repaired"
RGN_VAR_FIT_PATH_COUNT_RIVER	VB::String	private	1	"FIT_Path_Count_River"
RGN_VAR_FIT_PATH_RIVER	VB::String	private	1	"FIT_Path_River"
RGN_VAR_FIT_PATH_COUNT_COAST	VB::String	private	1	"FIT_Path_Count_Coast"
RGN_VAR_FIT_PATH_COAST	VB::String	private	1	"FIT_Path_Coast"
RGN_VAR_DG_PATH_COUNT_RIVER	VB::String	private	1	"DepthGrid_Path_Count_River"
RGN_VAR_DG_PATH_RIVER	VB::String	private	1	"DepthGrid_Path_River"
RGN_VAR_DG_RPD_RIVER	VB::String	private	1	"DepthGrid_RPD_River"
RGN_VAR_DG_UNITS_RIVER	VB::String	private	1	"DepthGrid_Units_River"
RGN_VAR_DG_PATH_COUNT_COAST	VB::String	private	1	"DepthGrid_Path_Count_Coast"
RGN_VAR_DG_PATH_COAST	VB::String	private	1	"DepthGrid_Path_Coast"
RGN_VAR_DG_RPD_COAST	VB::String	private	1	"DepthGrid_RPD_Coast"
RGN_VAR_DG_UNITS_COAST	VB::String	private	1	"DepthGrid_Units_Coast"
RGN_VAR_DFIRM_PATH_COUNT_RIVER	VB::String	private	1	"DFIRM_Path_Count_River"
RGN_VAR_DFIRM_PATH_RIVER	VB::String	private	1	"DFIRM_Path_River"
RGN_VAR_DFIRM_PATH_COUNT_COAST	VB::String	private	1	"DFIRM_Path_Count_Coast"
RGN_VAR_DFIRM_PATH_COAST	VB::String	private	1	"DFIRM_Path_Coast"
LB_SETHORIZONTALEXTENT	VB::Long	private	1	&H194

Classification: hzFlFFE

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_strConn	VB::String	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
set_MasterPaths	<None>	public	☐	instance
DoFFE	<None>	public	☐	instance
launchFFE	<None>	private	☐	instance

Classification: hzFlUserData

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pApp	esriFramework::IApplication	private	1	
m_HazardType	External Classes::hzFlRivCoastBoth	private	1	
m_strDataPath	VB::String	private	1	
m_strRegionPath	VB::String	private	1	
m_strStudyCasePath	VB::String	private	1	
m_strVerticalUnits	VB::String	private	1	
DEMPathAndNames	External Classes::Collection	private	1	
m_FITCoastPaths	External Classes::Collection	private	1	
m_FITRivPaths	External Classes::Collection	private	1	
m_DepthGridCoastPaths	External Classes::Collection	private	1	
m_DepthGridRivPaths	External Classes::Collection	private	1	
m_DepthGridCoastRPD	External Classes::Collection	private	1	
m_DepthGridRivRPD	External Classes::Collection	private	1	
m_DepthGridCoastUnits	External Classes::Collection	private	1	
m_DepthGridRivUnits	External Classes::Collection	private	1	
m_DfirmCoastPaths	External Classes::Collection	private	1	
m_DfirmRivPaths	External Classes::Collection	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
Class_Initialize	<None>	private	☐	instance
set_MasterPaths	<None>	public	☐	instance
set_HazardVariables	<None>	public	☐	instance
DoUserData	<None>	public	☐	instance
userData	<None>	private	☐	instance

4.3.6 Map Control (hzFlMapControl) Library

Classification: ChzFitFilter

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFitFilter	<None>	public	☐	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
CanChooseObject	<None>	public	☑	instance
CanDisplayObject	<None>	public	☑	instance
CanSaveObject	<None>	public	☑	instance
get_Description	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier
ValidExtension	<None>	protec...	☐	instance

Classification: ChzFlCharMakerInfo

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_fontAngle	<unspecified>	protected	1	
m_fontIndex	<unspecified>	protected	1	
m_fontName	<unspecified>	protected	1	
m_fontSize	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlCharMakerInfo	<None>	public	☐	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_FontAngle	<None>	public	☑	instance
get_FontIndex	<None>	public	☑	instance
get_FontName	<None>	public	☑	instance
get_FontSize	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
put_FontAngle	<None>	public	☑	instance
put_FontIndex	<None>	public	☑	instance
put_FontName	<None>	public	☑	instance
put_FontSize	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlLineMakerInfo

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_lineAngle	<unspecified>	protected	1	
m_lineGap	<unspecified>	protected	1	
m_lineMark	<unspecified>	protected	1	
m_lineType	<unspecified>	protected	1	
m_lineWidth	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlLineMakerInfo	<None>	public	☐	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_LineAngle	<None>	public	☑	instance
get_LineGap	<None>	public	☑	instance
get_LineMark	<None>	public	☑	instance
get_LineType	<None>	public	☑	instance
get_LineWidth	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
put_LineAngle	<None>	public	☑	instance
put_LineGap	<None>	public	☑	instance
put_LineMark	<None>	public	☑	instance
put_LineType	<None>	public	☑	instance
put_LineWidth	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlMapController

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_ipApp	<unspecified>	protected	1	
m_ipDoc	<unspecified>	protected	1	
m_ipMap	<unspecified>	protected	1	
m_ipMxDoc	<unspecified>	protected	1	
m_pHwnd	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlMapController	<None>	public	☐	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddInnerJoin	<None>	public	☑	instance
AddMapLayerFromMdb	<None>	public	☑	instance
AddMapLayerFromShp	<None>	public	☑	instance
AddMapLayerFromXXX	<None>	protected	☑	instance
AddRasterDataSet	<None>	public	☑	instance
AddRef	<None>	public	☑	instance
chop_suffix	<None>	private	☐	instance
EnableLayerSelectionByName	<None>	public	☑	instance
GetDemFolder	<None>	public	☑	instance
GetFilteredFolder	<None>	protected	☑	instance
GetFitFolder	<None>	public	☑	instance
GetLayerPointer	<None>	protected	☐	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
RenderLayer2	<None>	public	☑	instance
SetPointers	<None>	protected	☐	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlRendererInfo

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_iphzFlCharMakerInfo	<unspecified>	protected	1	
m_iphzFlLineMakerInfo	<unspecified>	protected	1	
m_Ranges	<unspecified>	protected	1	
m_RendererInfo	<unspecified>	protected	1	
m_RendererType	<unspecified>	protected	1	
m_ShadeField	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlRendererInfo	<None>	public	☐	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_CharMakerInfo	<None>	public	☑	instance
get_LineMakerInfo	<None>	public	☑	instance
get_RangeCaption	<None>	public	☑	instance
get_RangeMax	<None>	public	☑	instance
get_Ranges	<None>	public	☑	instance
get_RendererType	<None>	public	☑	instance
get_ShadeField	<None>	public	☑	instance
get_SymbolColor	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
put_CharMakerInfo	<None>	public	☑	instance
put_LineMakerInfo	<None>	public	☑	instance
put_RangeCaption	<None>	public	☑	instance
put_RangeMax	<None>	public	☑	instance
put_Ranges	<None>	public	☑	instance
put_RendererType	<None>	public	☑	instance
put_ShadeField	<None>	public	☑	instance
put_SymbolColor	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification:RendererInfo

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
RangeCaption	<unspecified>	public	1	
RangeMax	<unspecified>	public	1	
SymbolColor	<unspecified>	public	1	

4.3.7 Flood User Interface Control (hzFlUIControl) Library

Classification: CButtonT<ATL::CWindow>

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CButtonT<ATL::CWindow>	<None>	public	☐	instance
operator=	<None>	public	☐	instance
Create	<None>	public	☐	instance
Create	<None>	public	☐	instance
GetBitmap	<None>	public	☐	instance
GetButtonStyle	<None>	public	☐	instance
GetCheck	<None>	public	☐	instance
GetCursor	<None>	public	☐	instance
GetIcon	<None>	public	☐	instance
GetState	<None>	public	☐	instance
GetWndClassName	<None>	public	☐	classifier
SetBitmap	<None>	public	☐	instance
SetButtonStyle	<None>	public	☐	instance
SetCheck	<None>	public	☐	instance
SetCursor	<None>	public	☐	instance
SetIcon	<None>	public	☐	instance
SetState	<None>	public	☐	instance

Classification: CChzFlUserDataCmd

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CChzFlUserDataCmd	<None>	public	☐	instance
~CChzFlUserDataCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: CComboBoxT<ATL::CWindow>

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CComboBoxT<ATL::CWindow>	<None>	public	☐	instance
operator=	<None>	public	☐	instance
AddString	<None>	public	☐	instance
Clear	<None>	public	☐	instance
Copy	<None>	public	☐	instance
Create	<None>	public	☐	instance
Create	<None>	public	☐	instance
Cut	<None>	public	☐	instance
DeleteString	<None>	public	☐	instance
Dir	<None>	public	☐	instance
FindString	<None>	public	☐	instance
FindStringExact	<None>	public	☐	instance
GetCount	<None>	public	☐	instance
GetCurSel	<None>	public	☐	instance
GetDroppedControlRect	<None>	public	☐	instance
GetDroppedState	<None>	public	☐	instance
GetDroppedWidth	<None>	public	☐	instance
GetEditSel	<None>	public	☐	instance
GetExtendedUI	<None>	public	☐	instance
GetHorizontalExtent	<None>	public	☐	instance
GetItemData	<None>	public	☐	instance
GetItemDataPtr	<None>	public	☐	instance
GetItemHeight	<None>	public	☐	instance
GetLBText	<None>	public	☐	instance
GetLBTextBSTR	<None>	public	☐	instance
GetLBTextLen	<None>	public	☐	instance
GetLocale	<None>	public	☐	instance
GetTopIndex	<None>	public	☐	instance
GetWndClassName	<None>	public	☐	classifier
InitStorage	<None>	public	☐	instance
InsertString	<None>	public	☐	instance
LimitText	<None>	public	☐	instance
Paste	<None>	public	☐	instance
ResetContent	<None>	public	☐	instance
SelectString	<None>	public	☐	instance
SetCurSel	<None>	public	☐	instance
SetDroppedWidth	<None>	public	☐	instance
SetEditSel	<None>	public	☐	instance
SetExtendedUI	<None>	public	☐	instance
SetHorizontalExtent	<None>	public	☐	instance
SetItemData	<None>	public	☐	instance
SetItemDataPtr	<None>	public	☐	instance
SetItemHeight	<None>	public	☐	instance
SetLocale	<None>	public	☐	instance
SetTopIndex	<None>	public	☐	instance
ShowDropDown	<None>	public	☐	instance

Classification: CCommandCommon

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_Caption	<unspecified>	protected	1	
m_Category	<unspecified>	protected	1	
m_EnableRule	<unspecified>	protected	1	
m_Helpfile	<unspecified>	protected	1	
m_HelpID	<unspecified>	protected	1	
m_hook	<unspecified>	protected	1	
m_ipCoExtension	<unspecified>	protected	1	
m_ipHzFlWfHelpers	<unspecified>	protected	1	
m_ipMxDoc	<unspecified>	protected	1	
m_Message	<unspecified>	protected	1	
m_Name	<unspecified>	protected	1	
m_pApp	<unspecified>	protected	1	
m_pDoc	<unspecified>	protected	1	
m_SubType	<unspecified>	protected	1	
m_Tooltip	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CCommandCommon	<None>	public	☐	instance
~CCommandCommon	<None>	public	☑	instance
DoGetCount	<None>	public	☐	instance
DoOnCreate	<None>	public	☐	instance
DoSetSubType	<None>	public	☐	instance
GetCaption	<None>	public	☐	instance
GetCategory	<None>	public	☐	instance
GetChecked	<None>	public	☐	instance
GetEnabled	<None>	public	☐	instance
GetHelpContextID	<None>	public	☐	instance
GetHelpFile	<None>	public	☐	instance
GetMessageA	<None>	public	☐	instance
GetName	<None>	public	☐	instance
GetTooltip	<None>	public	☐	instance

Classification: CEditT<ATL::CWindow>

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CEditT<ATL::CWindow>	<None>	public	☐	instance
operator=	<None>	public	☐	instance
AppendText	<None>	public	☐	instance
CanUndo	<None>	public	☐	instance
CharFromPos	<None>	public	☐	instance
Clear	<None>	public	☐	instance
Copy	<None>	public	☐	instance
Create	<None>	public	☐	instance
Create	<None>	public	☐	instance
Cut	<None>	public	☐	instance
EmptyUndoBuffer	<None>	public	☐	instance
FmtLines	<None>	public	☐	instance
GetFirstVisibleLine	<None>	public	☐	instance
GetHandle	<None>	public	☐	instance
GetLimitText	<None>	public	☐	instance
GetLine	<None>	public	☐	instance
GetLine	<None>	public	☐	instance
GetLineCount	<None>	public	☐	instance
GetMargins	<None>	public	☐	instance
GetModify	<None>	public	☐	instance
GetPasswordChar	<None>	public	☐	instance
GetRect	<None>	public	☐	instance
GetSel	<None>	public	☐	instance
GetSel	<None>	public	☐	instance
GetWndClassName	<None>	public	☐	classifier
InsertText	<None>	public	☐	instance
LimitText	<None>	public	☐	instance
LineFromChar	<None>	public	☐	instance
LineIndex	<None>	public	☐	instance
LineLength	<None>	public	☐	instance
LineScroll	<None>	public	☐	instance
Paste	<None>	public	☐	instance
PosFromChar	<None>	public	☐	instance
ReplaceSel	<None>	public	☐	instance
ScrollCaret	<None>	public	☐	instance
SetHandle	<None>	public	☐	instance
SetLimitText	<None>	public	☐	instance
SetMargins	<None>	public	☐	instance
SetModify	<None>	public	☐	instance
SetPasswordChar	<None>	public	☐	instance
SetReadOnly	<None>	public	☐	instance
SetRect	<None>	public	☐	instance
SetRectNP	<None>	public	☐	instance
SetSel	<None>	public	☐	instance
SetSel	<None>	public	☐	instance
SetTabStops	<None>	public	☐	instance
SetTabStops	<None>	public	☐	instance
SetTabStops	<None>	public	☐	instance

Classification: CGlobalVariables

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_hook	<unspecified>	protected	1	
m_pApp	<unspecified>	protected	1	
m_pMenuInfos	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CGlobalVariables	<None>	public	☐	instance
~CGlobalVariables	<None>	public	☑	instance
getApplicationHook	<None>	public	☐	instance
getApplicationPtr	<None>	public	☐	instance
GetArgument	<None>	public	☐	instance
GetMenuInfo	<None>	public	☐	instance
GetMenuInfoBySubType	<None>	public	☐	instance
GetMenuInfoChildCount	<None>	public	☐	instance
GetMenuInfoForAdd	<None>	public	☐	instance
GetMenuInfoForAddCount	<None>	public	☐	instance
GetMenuInfoForDelete	<None>	public	☐	instance
GetMenuInfoForDeleteCount	<None>	public	☐	instance
GetMenuInfoIItem	<None>	public	☐	instance
GetMenuInfoMenuDef	<None>	public	☐	instance
InitThySelf	<None>	protec...	☐	instance
LoadDummyData	<None>	protec...	☐	instance
setApplicationPtr	<None>	public	☐	instance

Classification: CImageList

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_hImageList	<unspecified>	public	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CImageList	<None>	public	☐	instance
operator=	<None>	public	☐	instance
operator _IMAGELIST *	<None>	public	☐	instance
Add	<None>	public	☐	instance
Add	<None>	public	☐	instance
AddIcon	<None>	public	☐	instance
Attach	<None>	public	☐	instance
BeginDrag	<None>	public	☐	instance
Copy	<None>	public	☐	instance
Create	<None>	public	☐	instance
Create	<None>	public	☐	instance
Create	<None>	public	☐	instance
Destroy	<None>	public	☐	instance
Detach	<None>	public	☐	instance
DragEnter	<None>	public	☐	classifier
DragLeave	<None>	public	☐	classifier
DragMove	<None>	public	☐	classifier
DragShowNolock	<None>	public	☐	classifier
Draw	<None>	public	☐	instance
DrawEx	<None>	public	☐	instance
DrawIndirect	<None>	public	☐	classifier
Duplicate	<None>	public	☐	instance
EndDrag	<None>	public	☐	classifier
ExtractIconA	<None>	public	☐	instance
GetBkColor	<None>	public	☐	instance
GetDragImage	<None>	public	☐	classifier
GetImageCount	<None>	public	☐	instance
GetImageInfo	<None>	public	☐	instance
Merge	<None>	public	☐	instance
Remove	<None>	public	☐	instance
Replace	<None>	public	☐	instance
ReplaceIcon	<None>	public	☐	instance
SetBkColor	<None>	public	☐	instance
SetDragCursorImage	<None>	public	☐	instance
SetImageCount	<None>	public	☐	instance
SetOverlayImage	<None>	public	☐	instance

Classification: CListBoxT<ATL::CWindow>

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CListBoxT<ATL::CWindow>	<None>	public	☐	instance
operator=	<None>	public	☐	instance
AddString	<None>	public	☐	instance
Create	<None>	public	☐	instance
Create	<None>	public	☐	instance
DeleteString	<None>	public	☐	instance
Dir	<None>	public	☐	instance
FindString	<None>	public	☐	instance
FindStringExact	<None>	public	☐	instance
GetAnchorIndex	<None>	public	☐	instance
GetCaretIndex	<None>	public	☐	instance
GetCount	<None>	public	☐	instance
GetCurSel	<None>	public	☐	instance
GetHorizontalExtent	<None>	public	☐	instance
GetItemData	<None>	public	☐	instance
GetItemDataPtr	<None>	public	☐	instance
GetItemHeight	<None>	public	☐	instance
GetItemRect	<None>	public	☐	instance
GetLocale	<None>	public	☐	instance
GetSel	<None>	public	☐	instance
GetSelCount	<None>	public	☐	instance
GetSelItems	<None>	public	☐	instance
GetText	<None>	public	☐	instance
GetTextBSTR	<None>	public	☐	instance
GetTextLen	<None>	public	☐	instance
GetTopIndex	<None>	public	☐	instance
GetWndClassName	<None>	public	☐	classifier
InitStorage	<None>	public	☐	instance
InsertString	<None>	public	☐	instance
ItemFromPoint	<None>	public	☐	instance
ResetContent	<None>	public	☐	instance
SelectString	<None>	public	☐	instance
SelItemRange	<None>	public	☐	instance
SetAnchorIndex	<None>	public	☐	instance
SetCaretIndex	<None>	public	☐	instance
SetColumnWidth	<None>	public	☐	instance
SetCurSel	<None>	public	☐	instance
SetHorizontalExtent	<None>	public	☐	instance
SetItemData	<None>	public	☐	instance
SetItemDataPtr	<None>	public	☐	instance
SetItemHeight	<None>	public	☐	instance
SetLocale	<None>	public	☐	instance
SetSel	<None>	public	☐	instance
SetTabStops	<None>	public	☐	instance
SetTabStops	<None>	public	☐	instance
SetTabStops	<None>	public	☐	instance
SetTopIndex	<None>	public	☐	instance

Classification: CStaticT<ATL::CWindow>

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CStaticT<ATL::CWindow>	<None>	public	☐	instance
operator=	<None>	public	☐	instance
Create	<None>	public	☐	instance
Create	<None>	public	☐	instance
GetBitmap	<None>	public	☐	instance
GetCursor	<None>	public	☐	instance
GetEnhMetaFileA	<None>	public	☐	instance
GetIcon	<None>	public	☐	instance
GetWndClassName	<None>	public	☐	classifier
SetBitmap	<None>	public	☐	instance
SetCursor	<None>	public	☐	instance
SetEnhMetaFile	<None>	public	☐	instance
SetIcon	<None>	public	☐	instance

Classification: CTabCtrlT<ATL::CWindow>

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CTabCtrlT<ATL::CWindow>	<None>	public	☐	instance
operator=	<None>	public	☐	instance
AdjustRect	<None>	public	☐	instance
Create	<None>	public	☐	instance
Create	<None>	public	☐	instance
DeleteAllItems	<None>	public	☐	instance
DeleteItem	<None>	public	☐	instance
DeselectAll	<None>	public	☐	instance
GetCurFocus	<None>	public	☐	instance
GetCurSel	<None>	public	☐	instance
GetExtendedStyle	<None>	public	☐	instance
GetImageList	<None>	public	☐	instance
GetItem	<None>	public	☐	instance
GetItemCount	<None>	public	☐	instance
GetItemRect	<None>	public	☐	instance
GetRowCount	<None>	public	☐	instance
GetTooltips	<None>	public	☐	instance
GetWndClassName	<None>	public	☐	classifier
HighlightItem	<None>	public	☐	instance
HitTest	<None>	public	☐	instance
InsertItem	<None>	public	☐	instance
RemoveImage	<None>	public	☐	instance
SetCurSel	<None>	public	☐	instance
SetExtendedStyle	<None>	public	☐	instance
SetImageList	<None>	public	☐	instance
SetItem	<None>	public	☐	instance
SetItemSize	<None>	public	☐	instance
SetMinTabWidth	<None>	public	☐	instance
SetPadding	<None>	public	☐	instance
SetTooltips	<None>	public	☐	instance

Classification: CToolInfo

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_szText	<unspecified>	public	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
operator long	<None>	public	☐	instance
operator tagTOOLINFOA *	<None>	public	☐	instance
Fill	<None>	public	☐	instance

Classification: CTreeItem

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_hTreeItem	<unspecified>	public	1	
m_pTreeView	<unspecified>	public	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CTreeItem	<None>	public	☐	instance
CTreeItem	<None>	public	☐	instance
operator=	<None>	public	☐	instance
operator!	<None>	public	☐	instance
operator _TREEITEM *	<None>	public	☐	instance
_Insert	<None>	public	☐	instance
AddHead	<None>	public	☐	instance
AddTail	<None>	public	☐	instance
CreateDragImage	<None>	public	☐	instance
Delete	<None>	public	☐	instance
EditLabel	<None>	public	☐	instance
EnsureVisible	<None>	public	☐	instance
Expand	<None>	public	☐	instance
GetChild	<None>	public	☐	instance
GetData	<None>	public	☐	instance
GetDropHilight	<None>	public	☐	instance
GetFirstVisible	<None>	public	☐	instance
GetImage	<None>	public	☐	instance
GetImageIndex	<None>	public	☐	instance
GetNext	<None>	public	☐	instance
GetNextSibling	<None>	public	☐	instance
GetNextVisible	<None>	public	☐	instance
GetParent	<None>	public	☐	instance
GetPrevSibling	<None>	public	☐	instance
GetPrevVisible	<None>	public	☐	instance
GetRect	<None>	public	☐	instance
GetRoot	<None>	public	☐	instance
GetSelected	<None>	public	☐	instance
GetState	<None>	public	☐	instance
GetText	<None>	public	☐	instance
GetTreeView	<None>	public	☐	instance
HasChildren	<None>	public	☐	instance
InsertAfter	<None>	public	☐	instance
IsNull	<None>	public	☐	instance
Select	<None>	public	☐	instance
Select	<None>	public	☐	instance
SelectDropTarget	<None>	public	☐	instance
SelectSetFirstVisible	<None>	public	☐	instance
SetData	<None>	public	☐	instance
SetImage	<None>	public	☐	instance
SetItem	<None>	public	☐	instance
SetState	<None>	public	☐	instance
SetText	<None>	public	☐	instance
SortChildren	<None>	public	☐	instance

Classification: CTreeViewCtrlExT<ATL::CWindow>

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CTreeViewCtrlExT<ATL::CWindow>	<None>	public	☐	instance
operator=	<None>	public	☐	instance
GetChildItem	<None>	public	☐	instance
GetDropHilightItem	<None>	public	☐	instance
GetFirstVisibleItem	<None>	public	☐	instance
GetNextItem	<None>	public	☐	instance
GetNextSiblingItem	<None>	public	☐	instance
GetNextVisibleItem	<None>	public	☐	instance
GetParentItem	<None>	public	☐	instance
GetPrevSiblingItem	<None>	public	☐	instance
GetPrevVisibleItem	<None>	public	☐	instance
GetRootItem	<None>	public	☐	instance
GetSelectedItem	<None>	public	☐	instance
HitTest	<None>	public	☐	instance
HitTest	<None>	public	☐	instance
InsertItem	<None>	public	☐	instance
InsertItem	<None>	public	☐	instance
InsertItem	<None>	public	☐	instance
InsertItem	<None>	public	☐	instance

Classification: CTreeViewCtrlT<ATL::CWindow>

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
CTreeViewCtrlT<ATL::CWindow>	<None>	public	☐	instance
operator=	<None>	public	☐	instance
Create	<None>	public	☐	instance
Create	<None>	public	☐	instance
CreateDragImage	<None>	public	☐	instance
DeleteAllItems	<None>	public	☐	instance
DeleteItem	<None>	public	☐	instance
EditLabel	<None>	public	☐	instance
EnsureVisible	<None>	public	☐	instance
Expand	<None>	public	☐	instance
Expand	<None>	public	☐	instance
GetChildItem	<None>	public	☐	instance
GetCount	<None>	public	☐	instance
GetDropHilightItem	<None>	public	☐	instance
GetEditControl	<None>	public	☐	instance
GetFirstVisibleItem	<None>	public	☐	instance
GetImageList	<None>	public	☐	instance
GetIndent	<None>	public	☐	instance
GetItem	<None>	public	☐	instance
GetItemData	<None>	public	☐	instance
GetItemImage	<None>	public	☐	instance
GetItemRect	<None>	public	☐	instance
GetItemState	<None>	public	☐	instance
GetItemText	<None>	public	☐	instance
GetNextItem	<None>	public	☐	instance
GetNextSiblingItem	<None>	public	☐	instance
GetNextVisibleItem	<None>	public	☐	instance
GetParentItem	<None>	public	☐	instance
GetPrevSiblingItem	<None>	public	☐	instance
GetPrevVisibleItem	<None>	public	☐	instance
GetRootItem	<None>	public	☐	instance
GetSelectedItem	<None>	public	☐	instance
GetToolTips	<None>	public	☐	instance
GetVisibleCount	<None>	public	☐	instance
GetWndClassName	<None>	public	☐	classifier
HitTest	<None>	public	☐	instance
HitTest	<None>	public	☐	instance
InsertItem	<None>	public	☐	instance
InsertItem	<None>	public	☐	instance
InsertItem	<None>	public	☐	instance
InsertItem	<None>	public	☐	instance
ItemHasChildren	<None>	public	☐	instance
RemoveImageList	<None>	public	☐	instance
Select	<None>	public	☐	instance
SelectDropTarget	<None>	public	☐	instance
SelectItem	<None>	public	☐	instance

Classification: CTreeViewCtrlT<ATL::CWindow> Operations (Continued)

SelectSetFirstVisible	<None>	public	☐	instance
SetImageList	<None>	public	☐	instance
SetIndent	<None>	public	☐	instance
SetItem	<None>	public	☐	instance
SetItem	<None>	public	☐	instance
SetItemData	<None>	public	☐	instance
SetItemImage	<None>	public	☐	instance
SetItemState	<None>	public	☐	instance
SetItemText	<None>	public	☐	instance
SetToolTips	<None>	public	☐	instance
SortChildren	<None>	public	☐	instance
SortChildrenCB	<None>	public	☐	instance

Classification: ChzAlohaRunCmd

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzAlohaRunCmd	<None>	public	☐	instance
~ChzAlohaRunCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFLAddGrid2MapCmd

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFLAddGrid2MapCmd	<None>	public	☐	instance
~ChzFLAddGrid2MapCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlAddAgriThemeCmd

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlAddAgriThemeCmd	<None>	public	☐	instance
~ChzFlAddAgriThemeCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlAgriParamCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlAgriParamCmd	<None>	public	☐	instance
~ChzFlAgriParamCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlAgriParamDlg

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
APR	<unspecified>	private	1	
AUG	<unspecified>	private	1	
DASH	<unspecified>	private	1	
DEC	<unspecified>	private	1	
FEB	<unspecified>	private	1	
JAN	<unspecified>	private	1	
JUL	<unspecified>	private	1	
JUN	<unspecified>	private	1	
m_BSTRDate	<unspecified>	private	1	
m_bstrDate	<unspecified>	private	1	
m_bstrDayOnly	<unspecified>	private	1	
m_bstrMoOnly	<unspecified>	private	1	
m_btnOK	<unspecified>	protected	1	
m_cboDay	<unspecified>	protected	1	
m_cboMo	<unspecified>	protected	1	
m_ipHzFlWfHelpers	<unspecified>	protected	1	
m_valid_day	<unspecified>	private	1	
m_valid_mo	<unspecified>	private	1	
MAR	<unspecified>	private	1	
MAY	<unspecified>	private	1	
NOV	<unspecified>	private	1	
OCT	<unspecified>	private	1	
SEP	<unspecified>	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlAgriParamDlg	<None>	public	☐	instance
~ChzFlAgriParamDlg	<None>	public	☐	instance
OnCancel	<None>	public	☐	instance
OnInitDialog	<None>	public	☐	instance
OnOK	<None>	public	☐	instance
OnSelchangeComboDay	<None>	public	☐	instance
OnSelchangeComboMo	<None>	public	☐	instance
ProcessWindowMessage	<None>	public	☑	instance
SetWfHelpersPtr	<None>	public	☐	instance

Classification: ChzFlAnLongErosionCmd

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlAnLongErosionCmd	<None>	public	☐	instance
~ChzFlAnLongErosionCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlAnQuickLookCmd

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlAnQuickLookCmd	<None>	public	☐	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlAnShoreProtectionCmd

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlAnShoreProtectionCmd	<None>	public	☐	instance
~ChzFlAnShoreProtectionCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlAnnualLossCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_lAAL_BDEL	<unspecified>	private	1	
m_lAAL_MH	<unspecified>	private	1	
m_pDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlAnnualLossCmd	<None>	public	☐	instance
~ChzFlAnnualLossCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlAnnualLossDlg

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_btnOK	<unspecified>	protected	1	
m_chkBDEL	<unspecified>	protected	1	
m_chkMH	<unspecified>	protected	1	
m_hook	<unspecified>	protected	1	
m_ipHzFlWfHelpers	<unspecified>	protected	1	
m_lAAL_BDEL	<unspecified>	private	1	
m_lAAL_MH	<unspecified>	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlAnnualLossDlg	<None>	public	☐	instance
~ChzFlAnnualLossDlg	<None>	public	☑	instance
OnCancel	<None>	public	☐	instance
OnInitDialog	<None>	public	☐	instance
OnOK	<None>	public	☐	instance
ProcessWindowMessage	<None>	public	☑	instance
SetAppHook	<None>	public	☐	instance
SetWfHelpersPtr	<None>	public	☐	instance

Classification: ChzFlAttrQueryCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlAttrQueryCmd	<None>	public	☐	instance
~ChzFlAttrQueryCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlCalcHazCoastalCmd

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlCalcHazCoastalCmd	<None>	public	☐	instance
~ChzFlCalcHazCoastalCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlCalcHazardCmd

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlCalcHazardCmd	<None>	public	☐	instance
~ChzFlCalcHazardCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlCalcLossCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_iphzFlWbDialogs	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlCalcLossCmd	<None>	public	☐	instance
~ChzFlCalcLossCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlCasualtyCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_iphzFlVbDialogs	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlCasualtyCmd	<None>	public	☐	instance
~ChzFlCasualtyCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlDataMaps

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_hook	<unspecified>	protected	1	
m_ipHzFlWfHelpers	<unspecified>	protected	1	
m_OK	<unspecified>	protected	1	
m_pCoastalFitPath	<unspecified>	protected	1	
m_pDemPath	<unspecified>	protected	1	
m_pRiverineFitPath	<unspecified>	protected	1	
m_pUnits	<unspecified>	protected	1	
m_pVertDatumLabel	<unspecified>	protected	1	
m_pVertDatumOther	<unspecified>	protected	1	
m_pVertDatumOtherLabel	<unspecified>	protected	1	
m_pVertDatumUnitsLabel	<unspecified>	protected	1	
m_pVerticalDatum	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlDataMaps	<None>	public	☐	instance
~ChzFlDataMaps	<None>	public	☐	instance
OnCancel	<None>	public	☐	instance
OnClickedDem_browse	<None>	public	☐	instance
OnClickedFitdir_browse2	<None>	public	☐	instance
OnClickedFitdir_browse	<None>	public	☐	instance
OnCtlColor	<None>	public	☐	instance
OnInitDialog	<None>	public	☐	instance
OnOK	<None>	public	☐	instance
OnSelchangeUnits	<None>	public	☐	instance
OnSelchangeVerticaldatum	<None>	public	☐	instance
ProcessWindowMessage	<None>	public	☑	instance
SetAppHook	<None>	public	☐	instance
SetPath	<None>	public	☐	instance
SetStaticColor	<None>	public	☐	instance
SetWfHelpersPtr	<None>	public	☐	instance

Classification: ChzFlDataMapsCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlDataMapsCmd	<None>	public	☐	instance
~ChzFlDataMapsCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlDemExtent

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_GetNED	<unspecified>	protected	1	
m_hook	<unspecified>	protected	1	
m_ipHzFlWfHelpers	<unspecified>	protected	1	
m_lrLat	<unspecified>	protected	1	
m_lrLong	<unspecified>	protected	1	
m_pLrLat	<unspecified>	protected	1	
m_pLrLong	<unspecified>	protected	1	
m_pUlLat	<unspecified>	protected	1	
m_pUlLong	<unspecified>	protected	1	
m_ulLat	<unspecified>	protected	1	
m_ulLong	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlDemExtent	<None>	public	☐	instance
~ChzFlDemExtent	<None>	public	☐	instance
CalcDem	<None>	public	☐	instance
FormatMe	<None>	protec...	☐	instance
OnCancel	<None>	public	☐	instance
OnClickedGetned	<None>	public	☐	instance
OnInitDialog	<None>	public	☐	instance
OnOK	<None>	public	☐	instance
OnShowWindow	<None>	public	☐	instance
ProcessWindowMessage	<None>	public	☑	instance
SetAppPtr	<None>	public	☐	instance
SetWfHelpersPtr	<None>	public	☐	instance

Classification: ChzFlDemExtentCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlDemExtentCmd	<None>	public	☐	instance
~ChzFlDemExtentCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlDemPathCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_iphzFlMapController	<unspecified>	protected	1	
m_pDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlDemPathCmd	<None>	public	☐	instance
~ChzFlDemPathCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddLayer	<None>	protec...	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlDemPathCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_iphzFlMapController	<unspecified>	protected	1	
m_pDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlDemPathCmd	<None>	public	☐	instance
~ChzFlDemPathCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddLayer	<None>	protec...	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlDevTestCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_iphzFlDamageLibraryDialog	<unspecified>	protec...	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlDevTestCmd	<None>	public	☐	instance
~ChzFlDevTestCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlDevelopVelocityGridCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_iphzFlDevVelGridDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlDevelopVelocityGridCmd	<None>	public	☐	instance
~ChzFlDevelopVelocityGridCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlDoHydraulicsCmd

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlDoHydraulicsCmd	<None>	public	☐	instance
~ChzFlDoHydraulicsCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlDoHydrologyCmd

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlDoHydrologyCmd	<None>	public	☐	instance
~ChzFlDoHydrologyCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlDynBrowserCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_iphzFlBrowserDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlDynBrowserCmd	<None>	public	☐	instance
~ChzFlDynBrowserCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlEnhQuickLookCmd

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlEnhQuickLookCmd	<None>	public	☐	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlFFESetCmd

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlFFESetCmd	<None>	public	☐	instance
~ChzFlFFESetCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlFitPathCoastalCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlFitPathCoastalCmd	<None>	public	☐	instance
~ChzFlFitPathCoastalCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlFitPathDlg

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_CoastalMode	<unspecified>	protected	1	
m_FeatureCaption	<unspecified>	protected	1	
m_FitPath	<unspecified>	protected	1	
m_hook	<unspecified>	protected	1	
m_ipHzFlWfHelpers	<unspecified>	protected	1	
m_OK	<unspecified>	protected	1	
m_PathList	<unspecified>	protected	1	
m_RgnVarKeyCount	<unspecified>	protected	1	
m_RgnVarKeyPath	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlFitPathDlg	<None>	public	☐	instance
~ChzFlFitPathDlg	<None>	public	☐	instance
OnCancel	<None>	protected	☐	instance
OnClickedAdd	<None>	protected	☐	instance
OnClickedDelete	<None>	protected	☐	instance
OnClickedFitDir_Browse	<None>	protected	☐	instance
OnInitDialog	<None>	protected	☐	instance
OnOK	<None>	protected	☐	instance
ProcessWindowMessage	<None>	public	☑	instance
SetAppHook	<None>	public	☐	instance
SetMode	<None>	public	☐	instance
SetPath	<None>	protected	☐	instance
SetTextExtent	<None>	protected	☐	instance
SetWfHelpersPtr	<None>	public	☐	instance
UpdateControls	<None>	protected	☐	instance

Classification: ChzFlFitPathRiverCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlFitPathRiverCmd	<None>	public	☐	instance
~ChzFlFitPathRiverCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlFloodWarningCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_iphzFlVbDialogs	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlFloodWarningCmd	<None>	public	☐	instance
~ChzFlFloodWarningCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlGuiOptionsCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlGuiOptionsCmd	<None>	public	☐	instance
~ChzFlGuiOptionsCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlGuiOptionsDlg

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_AutoDemMerge	<unspecified>	protected	1	
m_AutoOpenSc	<unspecified>	protected	1	
m_AutoRmPR	<unspecified>	protected	1	
m_CustBuff	<unspecified>	protected	1	
m_hook	<unspecified>	protected	1	
m_ipHzFlWfHelpers	<unspecified>	protected	1	
m_Label1	<unspecified>	protected	1	
m_Label2	<unspecified>	protected	1	
m_Label3	<unspecified>	protected	1	
m_RasterTran	<unspecified>	protected	1	
m_ShowDem	<unspecified>	protected	1	
m_ShowRedoAnal	<unspecified>	protected	1	
m_ShowStreams	<unspecified>	protected	1	
m_Tab	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlGuiOptionsDlg	<None>	public	☐	instance
~ChzFlGuiOptionsDlg	<None>	public	☐	instance
GetAutoRmPR	<None>	protected	☐	instance
OnCancel	<None>	public	☐	instance
OnInitDialog	<None>	public	☐	instance
OnOK	<None>	public	☐	instance
OnSelchangeTab1	<None>	protected	☐	instance
ProcessWindowMessage	<None>	public	☑	instance
SetAppHook	<None>	public	☐	instance
SetAutoRmPR	<None>	protected	☐	instance
SetCheck	<None>	protected	☐	instance
SetVariable	<None>	protected	☐	instance
SetWfHelpersPtr	<None>	public	☐	instance
ShowHideControls	<None>	protected	☐	instance

Classification: ChzFlHazDummy

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlHazDummy	<None>	public	☐	instance
~ChzFlHazDummy	<None>	public	☑	instance
OnCancel	<None>	public	☐	instance
OnInitDialog	<None>	public	☐	instance
OnOK	<None>	public	☐	instance
ProcessWindowMessage	<None>	public	☑	instance

Classification: ChzFlHazDummyCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlHazDummyCmd	<None>	public	☐	instance
~ChzFlHazDummyCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlHazTypeCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlHazTypeCmd	<None>	public	☐	instance
~ChzFlHazTypeCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlHazTypeDlg

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_Cancel	<unspecified>	protected	1	
m_EditFlag	<unspecified>	protected	1	
m_HazardTypeCoast	<unspecified>	protected	1	
m_HazardTypeRiv	<unspecified>	protected	1	
m_HazardTypeRivCoast	<unspecified>	protected	1	
m_hook	<unspecified>	protected	1	
m_ipHzFlWfHelpers	<unspecified>	protected	1	
m_OK	<unspecified>	protected	1	
m_OrigHazType	<unspecified>	private	1	
m_SelectedHazType	<unspecified>	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlHazTypeDlg	<None>	public	☐	instance
~ChzFlHazTypeDlg	<None>	public	☐	instance
OnCancel	<None>	protected	☐	instance
OnClickedRadio	<None>	protected	☐	instance
OnInitDialog	<None>	protected	☐	instance
OnOK	<None>	protected	☐	instance
ProcessWindowMessage	<None>	public	☑	instance
SetAppPtr	<None>	public	☐	instance
SetWfHelpersPtr	<None>	public	☐	instance

Classification: ChzFlHelpAboutCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlHelpAboutCmd	<None>	public	☐	instance
~ChzFlHelpAboutCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlHelpAboutDlg

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlHelpAboutDlg	<None>	public	☐	instance
~ChzFlHelpAboutDlg	<None>	public	☐	instance
OnCancel	<None>	public	☐	instance
OnInitDialog	<None>	public	☐	instance
OnOK	<None>	public	☐	instance
ProcessWindowMessage	<None>	public	☑	instance

Classification: ChzFlHelpTechSuptCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlHelpTechSuptCmd	<None>	public	☐	instance
~ChzFlHelpTechSuptCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlHelpTechSuptDlg

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlHelpTechSuptDlg	<None>	public	☐	instance
~ChzFlHelpTechSuptDlg	<None>	public	☐	instance
OnCancel	<None>	public	☐	instance
OnInitDialog	<None>	public	☐	instance
OnOK	<None>	public	☐	instance
ProcessWindowMessage	<None>	public	☑	instance

Classification: ChzFlIELMCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pIELM	<unspecified>	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlIELMCmd	<None>	public	☐	instance
~ChzFlIELMCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
Run	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlIELMParams

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pDialog	<unspecified>	protec...	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlIELMParams	<None>	public	☐	instance
~ChzFlIELMParams	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlLaunchBitCmd

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlLaunchBitCmd	<None>	public	☐	instance
~ChzFlLaunchBitCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlLeveeAss1

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_ipApp	<unspecified>	protected	1	
m_ipHzFlWfHelpers	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlLeveeAss1	<None>	public	☐	instance
OnCancel	<None>	public	☐	instance
OnClickedNextlevee	<None>	public	☐	instance
OnClose	<None>	public	☐	instance
OnInitDialog	<None>	public	☐	instance
OnSelect	<None>	public	☐	instance
ProcessWindowMessage	<None>	public	☑	instance
ResetTool	<None>	protected	☐	instance
SetApplicationPtr	<None>	public	☐	instance
SetWfHelpersPtr	<None>	public	☐	instance

Classification: ChzFlLeveeAss1Cmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlLeveeAss1Cmd	<None>	public	☐	instance
~ChzFlLeveeAss1Cmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlMenuInfo

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
Argument	<unspecified>	public	1	
Caption	<unspecified>	public	1	
EnableRule	<unspecified>	public	1	
Guid	<unspecified>	public	1	
m_Group	<unspecified>	protected	1	
MenuAction	<unspecified>	public	1	
MenuId	<unspecified>	public	1	
Message	<unspecified>	public	1	
ParentMenuId	<unspecified>	public	1	
Position	<unspecified>	public	1	
SubType	<unspecified>	public	1	
Tooltip	<unspecified>	public	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlMenuInfo	<None>	public	☐	instance
ChzFlMenuInfo	<None>	public	☐	instance
_bstr_t::~_bstr_t	<None>	public	☐	instance
~ChzFlMenuInfo	<None>	public	☑	instance
Group	<None>	public	☐	instance

Classification: ChzFlOccMapDlg1Cmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_iphzFlBldgOccMappingDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlOccMapDlg1Cmd	<None>	public	☐	instance
~ChzFlOccMapDlg1Cmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlOccMapDlg2Cmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_iphzFlBldgOccMappingDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlOccMapDlg2Cmd	<None>	public	☐	instance
~ChzFlOccMapDlg2Cmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlQueryCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlQueryCmd	<None>	public	☐	instance
~ChzFlQueryCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlQuickLookCmd

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlQuickLookCmd	<None>	public	☐	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlQuickLookRptCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_ipApp	<unspecified>	protected	1	
m_ipCoExtension	<unspecified>	protected	1	
m_ipCrappyWrapper	<unspecified>	protected	1	
m_ipHzFlWfHelpers	<unspecified>	protected	1	
variableSpecialOPT	<unspecified>	protected	1	
variableSpecialRTN	<unspecified>	protected	1	
variableSpecialSCI	<unspecified>	protected	1	
variableSpecialSRD	<unspecified>	protected	1	
variableSpecialSRN	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlQuickLookRptCmd	<None>	public	☐	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlResViewBy

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_btnOK	<unspecified>	protected	1	
m_cbRtnPeriods	<unspecified>	protected	1	
m_jpHzFlWfHelpers	<unspecified>	protected	1	
m_lbAnOptions	<unspecified>	protected	1	
m_lblStudyCaseDesc	<unspecified>	protected	1	
m_lblStudyCaseName	<unspecified>	protected	1	
m_lStudyCaseId	<unspecified>	private	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlResViewBy	<None>	public	☐	instance
~ChzFlResViewBy	<None>	public	☐	instance
GenerateOptionsQuery	<None>	protected	☐	instance
GetSelOptions	<None>	protected	☐	instance
InitReturnPeriods	<None>	protected	☐	instance
InitWhatIfOptions	<None>	protected	☐	instance
OnCancel	<None>	public	☐	instance
OnInitDialog	<None>	public	☐	instance
OnOK	<None>	public	☐	instance
OnSelchangeRtnperiods	<None>	public	☐	instance
ProcessWindowMessage	<None>	public	☑	instance
SetWfHelpersPtr	<None>	public	☐	instance

Classification: ChzFlResViewByCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlResViewByCmd	<None>	public	☐	instance
~ChzFlResViewByCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlSelectTool

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_hCursor	<unspecified>	protected	1	
m_ipEnvelopeFeedback	<unspecified>	protected	1	
m_ipPoint	<unspecified>	protected	1	
m_pApp	<unspecified>	protected	1	
m_pDoc	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlSelectTool	<None>	public	☐	instance
~ChzFlSelectTool	<None>	public	☐	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
Deactivate	<None>	public	☑	instance
Delete	<None>	public	☑	instance
Execute	<None>	public	☑	instance
get_Action	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_BuiltIn	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Command	<None>	public	☑	instance
get_Cursor	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_FaceID	<None>	public	☑	instance
get_Group	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_ID	<None>	public	☑	instance
get_Index	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Parent	<None>	public	☑	instance
get_Style	<None>	public	☑	instance
get_Tag	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
get_Type	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnContextMenu	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
OnDblClick	<None>	public	☑	instance
OnKeyDown	<None>	public	☑	instance
OnKeyUp	<None>	public	☑	instance
OnMouseDown	<None>	public	☑	instance

Classification: ChzFlSelectTool Operations (Continued)

OnMouseMove	<None>	public	☑	instance
OnMouseUp	<None>	public	☑	instance
put_Action	<None>	public	☑	instance
put_Caption	<None>	public	☑	instance
put_FaceID	<None>	public	☑	instance
put_Group	<None>	public	☑	instance
put_HelpContextID	<None>	public	☑	instance
put_HelpFile	<None>	public	☑	instance
put_Message	<None>	public	☑	instance
put_Name	<None>	public	☑	instance
put_Style	<None>	public	☑	instance
put_Tag	<None>	public	☑	instance
put_Tooltip	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Refresh	<None>	public	☑	instance
Refresh	<None>	public	☑	instance
Release	<None>	public	☑	instance
Reset	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlShelterOptsCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_iphzFlVbDialogs	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlShelterOptsCmd	<None>	public	☐	instance
~ChzFlShelterOptsCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlShoreCharacter

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlShoreCharacter	<None>	public	☐	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlStreamDrainage

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_hook	<unspecified>	protected	1	
m_ipHzFlWfHelpers	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlStreamDrainage	<None>	public	☐	instance
~ChzFlStreamDrainage	<None>	public	☐	instance
OnCancel	<None>	public	☐	instance
OnInitDialog	<None>	public	☐	instance
OnOK	<None>	public	☐	instance
ProcessWindowMessage	<None>	public	☑	instance
SetAppPtr	<None>	public	☐	instance
SetWfHelpersPtr	<None>	public	☐	instance

Classification: ChzFlStreamDrainageCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlStreamDrainageCmd	<None>	public	☐	instance
~ChzFlStreamDrainageCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlStudyCaseClose

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlStudyCaseClose	<None>	public	☐	instance
~ChzFlStudyCaseClose	<None>	public	☐	instance
OnCancel	<None>	public	☐	instance
OnInitDialog	<None>	public	☐	instance
OnOK	<None>	public	☐	instance
ProcessWindowMessage	<None>	public	☑	instance

Classification: ChzFlStudyCaseCloseCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlStudyCaseCloseCmd	<None>	public	☐	instance
~ChzFlStudyCaseCloseCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlStudyCaseDelete

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_btnOK	<unspecified>	protected	1	
m_CaseListBox	<unspecified>	protected	1	
m_Descriptions	<unspecified>	protected	1	
m_ipHzFlWfHelpers	<unspecified>	protected	1	
m_ScIds	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlStudyCaseDelete	<None>	public	☐	instance
~ChzFlStudyCaseDelete	<None>	public	☐	instance
OnCancel	<None>	public	☐	instance
OnInitDialog	<None>	public	☐	instance
OnOK	<None>	public	☐	instance
OnSelchangeStudycases	<None>	public	☐	instance
ProcessWindowMessage	<None>	public	☑	instance
SetWfHelpersPtr	<None>	public	☐	instance

Classification: ChzFlStudyCaseDeleteCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlStudyCaseDeleteCmd	<None>	public	☐	instance
~ChzFlStudyCaseDeleteCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlStudyCaseEditCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlStudyCaseEditCmd	<None>	public	☐	instance
~ChzFlStudyCaseEditCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlStudyCaseNew

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_Descriptions	<unspecified>	protected	1	
m_hook	<unspecified>	protected	1	
m_ipHzFlWfHelpers	<unspecified>	protected	1	
m_OpenMode	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlStudyCaseNew	<None>	public	☐	instance
~ChzFlStudyCaseNew	<None>	public	☐	instance
OnCancel	<None>	public	☐	instance
OnInitDialog	<None>	public	☐	instance
OnOK	<None>	public	☐	instance
ProcessWindowMessage	<None>	public	☑	instance
SetAppPtr	<None>	public	☐	instance
SetMode	<None>	public	☐	instance
SetWfHelpersPtr	<None>	public	☐	instance

Classification: ChzFlStudyCaseNewCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlStudyCaseNewCmd	<None>	public	☐	instance
~ChzFlStudyCaseNewCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlStudyCaseOpen

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_Descriptions	<unspecified>	protected	1	
m_ipHzFlWfHelpers	<unspecified>	protected	1	
m_OpenMode	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlStudyCaseOpen	<None>	public	☐	instance
~ChzFlStudyCaseOpen	<None>	public	☐	instance
CommonDone	<None>	protected	☐	instance
OnCancel	<None>	public	☐	instance
OnDblclkStudycases	<None>	protected	☐	instance
OnInitDialog	<None>	public	☐	instance
OnOK	<None>	public	☐	instance
OnSelchangeStudycases	<None>	protected	☐	instance
ProcessWindowMessage	<None>	public	☑	instance
SetMode	<None>	public	☐	instance
SetWfHelpersPtr	<None>	public	☐	instance

Classification: ChzFlStudyCaseOpenCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlStudyCaseOpenCmd	<None>	public	☐	instance
~ChzFlStudyCaseOpenCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlStudyCaseSaveAsCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlStudyCaseSaveAsCmd	<None>	public	☐	instance
~ChzFlStudyCaseSaveAsCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlSummaryRptCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_iphzFlReportDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlSummaryRptCmd	<None>	public	☐	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlSwitchHazardCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_hBitmap	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlSwitchHazardCmd	<None>	public	☐	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlSwitchRegionCmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_hBitmap	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlSwitchRegionCmd	<None>	public	☐	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlUiController

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_BrowserLoaded	<unspecified>	protected	1	
m_Coastal	<unspecified>	protected	1	
m_CoastalDataInputted	<unspecified>	protected	1	
m_CoastDelineateFPExecuted	<unspecified>	protected	1	
m_DEMCompleted	<unspecified>	protected	1	
m_DEMInputted	<unspecified>	protected	1	
m_HazardCalculatedRule	<unspecified>	protected	1	
m_HazardTypeSelected	<unspecified>	protected	1	
m_hook	<unspecified>	protected	1	
m_HydraulicsComplete	<unspecified>	protected	1	
m_HydrologyComplete	<unspecified>	protected	1	
m_HzardID	<unspecified>	protected	1	
m_ipCmdBars	<unspecified>	protected	1	
m_ipCoExtension	<unspecified>	protected	1	
m_iphzFlMapController	<unspecified>	protected	1	
m_ipHzFlWfHelpers	<unspecified>	protected	1	
m_ipMxDoc	<unspecified>	protected	1	
m_pApp	<unspecified>	protected	1	
m_pDoc	<unspecified>	protected	1	
m_QuickLookAvailable	<unspecified>	protected	1	
m_RivDelineateFPExecuted	<unspecified>	protected	1	
m_Riverine	<unspecified>	protected	1	
m_RiverineDataInputted	<unspecified>	protected	1	
m_Shoreline	<unspecified>	protected	1	
m_ShowResultsByRule	<unspecified>	protected	1	
m_StreamNetworkCreated	<unspecified>	protected	1	
m_StudyCaseHasCoastalData	<unspecified>	protected	1	
m_StudyCaseHasReaches	<unspecified>	protected	1	
m_StudyCaseHasRiverineData	<unspecified>	protected	1	
m_StudyCaseHasShorelines	<unspecified>	protected	1	
m_StudyCaseInputAvailable	<unspecified>	protected	1	
m_StudyCaseNotOpen	<unspecified>	protected	1	
m_StudyCaseOpenRule	<unspecified>	protected	1	
m_StudyCasesExist	<unspecified>	protected	1	

Classification: ChzFlUiMenuDef

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlUiController	<None>	public	☐	instance
~ChzFlUiController	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddAutoLoadLayers	<None>	protec...	☑	instance
AddBasicLayers	<None>	protec...	☑	instance
AddBlockLayer	<None>	protec...	☑	instance
AddExtendedLayers	<None>	protec...	☑	instance
AddFileMenuItems	<None>	protec...	☑	instance
AddGenericMapLayer	<None>	protec...	☑	instance
AddHelpMenuItems	<None>	protec...	☑	instance
AddMainMenuItems	<None>	protec...	☑	instance
AddOtherMenuItems	<None>	protec...	☑	instance
AddRef	<None>	public	☑	instance
AddSelectionMenuItems	<None>	protec...	☑	instance
AddSomeMenuItems	<None>	protec...	☑	instance
AddStdToolbarItems	<None>	protec...	☑	instance
AddStudyRegionLayer	<None>	protec...	☑	instance
AddToolMenuItems	<None>	protec...	☑	instance
AddTractLayer	<None>	protec...	☑	instance
AddViewMenuItems	<None>	protec...	☑	instance
CanUnLoadCustomUI	<None>	public	☑	instance
DeleteAllMenuItems	<None>	protec...	☑	instance
DeleteAnyMenuItem	<None>	protec...	☑	instance
DeleteFileMenuItems	<None>	protec...	☑	instance
DeleteHelpMenuItems	<None>	protec...	☑	instance
DeleteMainMenuItems	<None>	protec...	☑	instance
DeleteSelectionMenuItems	<None>	protec...	☑	instance
DeleteSomeMenuItems	<None>	protec...	☑	instance
DeleteStdToolbarItems	<None>	protec...	☑	instance
DeleteToolMenuItems	<None>	protec...	☑	instance
DeleteViewMenuItems	<None>	protec...	☑	instance
get_EnableRule	<None>	public	☑	instance
get_EnableRuleN	<None>	public	☑	instance
get_HazardID	<None>	public	☑	instance

Classification: ChzFlUiMenuDef Operations (Continued)

get_HazardIdEarthquake	<None>	public	☑	instance
get_HazardIdFlood	<None>	public	☑	instance
get_HazardIdHurricane	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InitializeRules	<None>	protec...	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
LayerExists	<None>	protec...	☐	instance
LoadCustomUI	<None>	public	☑	instance
OpenLastStudyCase	<None>	protec...	☐	instance
put_EnableRule	<None>	public	☑	instance
put_EnableRuleN	<None>	public	☑	instance
put_EnableRuleVB	<None>	public	☑	instance
put_HazardID	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
UnLoadCustomUI	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlUpstreamStorageAss1

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlUpstreamStorageAss1	<None>	public	☐	instance
~ChzFlUpstreamStorageAss1	<None>	public	☐	instance
OnCancel	<None>	public	☐	instance
OnInitDialog	<None>	public	☐	instance
OnOK	<None>	public	☐	instance
ProcessWindowMessage	<None>	public	☑	instance

Classification: ChzFlUpstreamStorageAss1Cmd

Attributes:

Attribute	Type	Visibility	Multiplicity	Init. Value
m_pDialog	<unspecified>	protected	1	

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlUpstreamStorageAss1Cmd	<None>	public	☐	instance
~ChzFlUpstreamStorageAss1Cmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlWIFRivFlowRegCmd

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlWIFRivFlowRegCmd	<None>	public	☐	instance
~ChzFlWIFRivFlowRegCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFlWIFRivVelocityCmd

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFlWIFRivVelocityCmd	<None>	public	☐	instance
~ChzFlWIFRivVelocityCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFldwavRunCmd

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFldwavRunCmd	<None>	public	☐	instance
~ChzFldwavRunCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFloodviewCalcExpCmd

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFloodviewCalcExpCmd	<None>	public	☐	instance
~ChzFloodviewCalcExpCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFloodviewMapCmd

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFloodviewMapCmd	<None>	public	☐	instance
~ChzFloodviewMapCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzFloodviewRunCmd

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzFloodviewRunCmd	<None>	public	☐	instance
~ChzFloodviewRunCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzMarplotCalcExpCmd

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzMarplotCalcExpCmd	<None>	public	☐	instance
~ChzMarplotCalcExpCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzMarplotGetLastFtCmd

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzMarplotGetLastFtCmd	<None>	public	☐	instance
~ChzMarplotGetLastFtCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzMarplotMapLastFtCmd

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzMarplotMapLastFtCmd	<None>	public	☐	instance
~ChzMarplotMapLastFtCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzMarplotRunCmd

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzMarplotRunCmd	<None>	public	☐	instance
~ChzMarplotRunCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Classification: ChzRes3rdPartyCmd

Operations:

Operation	Return Type	Visibility	Polymorphic	Scope
ChzRes3rdPartyCmd	<None>	public	☐	instance
~ChzRes3rdPartyCmd	<None>	public	☑	instance
_Cache	<None>	public	☐	classifier
_GetEntries	<None>	public	☐	classifier
_GetRawUnknown	<None>	public	☐	instance
_InternalQueryInterface	<None>	public	☐	instance
AddRef	<None>	public	☑	instance
get_Bitmap	<None>	public	☑	instance
get_Caption	<None>	public	☑	instance
get_Category	<None>	public	☑	instance
get_Checked	<None>	public	☑	instance
get_Enabled	<None>	public	☑	instance
get_HelpContextID	<None>	public	☑	instance
get_HelpFile	<None>	public	☑	instance
get_Message	<None>	public	☑	instance
get_Name	<None>	public	☑	instance
get_Tooltip	<None>	public	☑	instance
GetCount	<None>	public	☑	instance
GetUnknown	<None>	public	☐	instance
InterfaceSupportsErrorInfo	<None>	public	☑	instance
InternalFinalConstructAddRef	<None>	public	☐	instance
InternalFinalConstructRelease	<None>	public	☐	instance
OnClick	<None>	public	☑	instance
OnCreate	<None>	public	☑	instance
QueryInterface	<None>	public	☑	instance
Release	<None>	public	☑	instance
SetSubType	<None>	public	☑	instance
UpdateRegistry	<None>	public	☐	classifier

Appendix A
Acronyms

This appendix defines acronyms and abbreviations used in this document.

Acronym/ Abbreviation	Definition
ABS	ABS Consulting
ADO	ActiveX Data Objects
ARA	Applied Research Associates
ASFPM	Association of State Floodplain Managers
ATL	Active Template Library
BIT	Building Import Tool
CD	Compact Disk (also see CD-ROM)
CDM	Conceptual Data Model
CD-ROM	Compact Disk – Read Only Memory
COM	Component Object Model
DAL	Data Access Layer
DBA	Database Access
DDS	Detailed Design Specification
DTI	Durham Technologies Inc.
DTS	Data Transformation Services
EF	Essential Facilities
EQ	Earthquake Model
ERD	Entity Relationship Diagram
ESRI	Environmental Systems Research Institute
FEMA	Federal Emergency Management Agency
FIS	Flood Insurance Study
FIT	Flood Information Tool
FL	Flood Model
GBS	General Building Stock
GBT	General Building Type
GIS	Geographic Information Systems
GUI	Graphical User Interface
HAZUS	See HAZUS-MH
HAZUS-MH	Abbreviation for HAZards United States – MultiHazard – HAZUS-MH is a GIS-based natural hazard loss estimation software package developed and freely distributed by FEMA.
HEC	Hydrologic Engineering Center (U.S. Army Corps of

Acronym/ Abbreviation	Definition
	Engineers)
HEC-RAS	HEC's River Analysis System. HEC-RAS is a computer program that models the hydraulics of water flow through natural rivers and other channels.
HPLF	High Potential Loss Facilities
HU	Hurricane Model
hz	HAZUS Common Component (e.g. datatable)
IEEE	Institute of Electrical and Electronics Engineers
INCAST	Inventory Collection and Survey Tool
MFC	Microsoft Foundation Classes
MSDE	MicroSoft Database Engine
NFIP	National Flood Insurance Program
NIBS	National Institute of Building Sciences
OCX	ActiveX File Extension
PDM	Physical Data Model
PESH	Potential Earth Science Hazards
PRD	Products Requirement Document
PSL	Presentation Services Layer
RAM	Random Access Memory
RDBMS	Relational Data Base Management System
SBT	Specific Building Type
SDD	Software Design Description
SQL	Structured Query Language
SRS	Software Requirements Specifications
STD	Software Test Document
T-SQL	Transact SQL. T-SQL is a proprietary Sybase and Microsoft structured programming language extending SQL, in this case on Microsoft SQL Server.
TBD	To Be Determined
UDF	User Defined Facilities
UI	User Interface
USACE	U.S. Army Corps of Engineers

Appendix B
Data Dictionary

Table B.1 System Database Table List Used in the Flood Model

Table B-1 System Database Table List

Table Name	Primary Key	Description
flAnalysisOption	ID	Flood Model-specific table describing the hierarchical structure of the Flood Model Analysis Otions dialog
flCustomUI	ID	Flood Model-specific table used for dynamically building the GUI menubar taking into consideration menu enabling rules with respect to the progress within the business process
flBrowserControl	<none>	Flood Model-specific table describing the dynamic structure of the Data Browser content, using an ABS-specific markup language
flReportControl	<none>	Flood Model-specific table describing the hierarchical structure of the Summary Reports Control content, using an ABS-specific markup language
flSPControl	ViewName, Mode, SequenceId	Flood Model-specific table referencing views (used in the Browser Control) with the specific stored procedures and argument list
syBlock	idtCensusBlock	
syCounty	idtCounty	System counties table. Has entire US counties attributes.
syOccupDistribGen	idtOccupDistrib	System square footage distribution per occupancy. Percentage out of area for given general occupancy in tract. Table used by BIT tool.
syOccupDistribTot	idtOccupDistrib	System square footage distribution per occupancy. Percentage out of total area in tract. Table used by BIT tool.
syScenario	idtScenario	All-hazards scenarios all
syState	idtStateFips	System states boundary table
syStudyRegion	idtStudyRegion	Study region table
syTract	idtTract	Census tracts attributes. Has data for entire US

Table B.2 System Database Table Column List Used in the Flood Model

Table B-2 System Database Table Column List

Table Name	Column Name	Data Type
flAnalysisOptions	ID	int
flAnalysisOptions	NodeId	int
flAnalysisOptions	ParentId	int
flAnalysisOptions	Display	char(50)
flAnalysisOptions	AnalysisCategory	int
flAnalysisOptions	AnalysisOptionBit	int
flAnalysisOptions	PrerequisiteId	char(250)
flAnalysisOptions	Operational	bit
flBrowserControl	Layout_Name	char(50)
flBrowserControl	Control	char(50)
flBrowserControl	Property	char(50)
flBrowserControl	Value	char(255)
flCustomUI	ID	int
flCustomUI	MenuAction	int
flCustomUI	ParentMenuId	int
flCustomUI	MenuPosition	int
flCustomUI	MenuId	int
flCustomUI	MenuCaption	char(50)
flCustomUI	RefGuid	char(50)
flCustomUI	IsGroup	char(1)
flCustomUI	Argument	char(50)
flCustomUI	EnableRule	int
flCustomUI	StatusMessage	char(85)
flReportControl	Layout_Name	char(50)
flReportControl	Control	char(50)
flReportControl	Property	char(50)
flReportControl	Value	char(80)
flSPControl	ViewName	varchar(100)
flSPControl	Mode	int

Table Name	Column Name	Data Type
flSPControl	SequenceId	int
flSPControl	Call_SQL	varchar(100)
flSPControl	Arg1	varchar(100)
flSPControl	Arg2	varchar(100)
flSPControl	Arg3	varchar(100)
flSPControl	Arg4	varchar(100)
flSPControl	Arg5	varchar(100)
flSPControl	Arg6	varchar(100)
flSPControl	Arg7	varchar(100)
flSPControl	Arg8	varchar(100)
flSPControl	Arg9	varchar(100)
flSPControl	Arg10	varchar(100)

Table B.3 Flood Template Database Table List

Table B-3 Flood Template Database Table List

Table Name	Primary Key	Description
flAnGBSCombinedDmgPost	StudyCaseId, CensusBlock, ReturnPeriodID, AnalysisOptId, BlockType, ControlHazard, CoastalZone, SOccup, PctSOccupId, FoundationType	GBS table used to combine post-firm damage values
flAnGBSCombinedDmgPostC	StudyCaseId, CensusBlock, ReturnPeriodID, AnalysisOptId, BlockType, ControlHazard, CoastalZone, SOccup, PctSOccupId, FoundationType	GBS table used to combine post-firm damage values for coastal scenarios
flAnGBSCombinedDmgPostCont	StudyCaseId, CensusBlock, ReturnPeriodID, AnalysisOptId, BlockType, ControlHazard, CoastalZone, SOccup, PctSOccupId, FoundationType	GBS table used to combine post-firm content damage values
flAnGBSCombinedDmgPostContC	StudyCaseId, CensusBlock, ReturnPeriodID, AnalysisOptId, BlockType, ControlHazard, CoastalZone, SOccup, PctSOccupId, FoundationType	GBS table used to combine post-firm content damage values for coastal scenarios
flAnGBSPostDmgVals	StudyCaseId, CensusBlock, ReturnPeriodID, AnalysisOptId, BlockType, ControlHazard, CoastalZone, SOccup, PctSOccupId, FoundationType	GBS table with post-firm damage values
flAnGBSCombinedDmgPreCont	StudyCaseId, CensusBlock, ReturnPeriodID, AnalysisOptId, BlockType, ControlHazard, CoastalZone, SOccup, PctSOccupId, FoundationType	GBS table used to combine pre-firm content damage values
flAnGBSCombinedDmgPre	BlockType, CoastalZone, StudyCaseId, CensusBlock, ReturnPeriodID, AnalysisOptId, ControlHazard, SOccup, PctSOccupId, FoundationType	GBS table used to combine pre-firm damage values
flAnGBSPreDmgVals	BlockType, CoastalZone, StudyCaseId, CensusBlock, ReturnPeriodID, AnalysisOptId, ControlHazard, SOccup, PctSOccupId, FoundationType	GBS table with pre-firm damage values
flAnGBSSchemeSOccup	StudyCaseId, CensusBlock, ReturnPeriodID, AnalysisOptId, SchemeId, PctSOccup, PctName, PctVal, BlockType, ControlHazard, CoastalZone	General Building Stock table containing study region schemes catergorized by specific occupancy
flAnGBSSchemeSOccupCLR	SOccup, FoundationType, StudyCaseId, CensusBlock, ReturnPeriodID, AnalysisOptId, SchemeId, PctSOccup, PctName, PctVal, BlockType, ControlHazard, CoastalZone	General Building Stock table containing study region schemes catergorized by specific occupancy for coastal, riverine and lakes.

B.3 Flood Template Database Table List (Continued)

Table Name	Primary Key	Description
flAnGBSYearBuilt	-	General Building Stock table containing the year built information for buildings
flAnGBSYearBuiltReduced	StudyCaseID, CensusBlock, ReturnPeriodID, BlockType, AnalysisOptId, CoastalZone, ControllingHazard	General Building Stock table containing the year built information for buildings
flAnGBSCombinedDmg	-	GBS table used to combine damage values
ClGBldgType	-	Building type and description
ClGenOccupancy	GenOccupName	General Occupancy and description
ClSOccupancy	SOccup	Specific occupancy and description
flAgDmgFn	Crop, JulianDay	Agriculture damage functions
flAgricultureArea	CropType, CountyFips, PolygonId	Area coverage of crop types
flAgricultureAreaImport	CropType, CountyFips, PolygonId, OBJECTID	Personal Geodatabase temp import table
flAgricultureInventory	CropType, CountyFips, PolygonId	Agriculture inventory data
flAnAgrTempResult	-	Agrculture temp table
flAnAgriDmg	StudyCaseId, ReturnPeriodId, FIPS, PolygonId, HazType, LUCode, AnalysisOptId	Agrculture damage values
flAnAreaWeighted	flAnAreaWeighted	Inundated censusblocks and percentage of inundation.
flAnCoastalZone	StudyCaseId, ReturnPeriodId, CensusBlock, CoastalZone, AnalysisOptId	Coastal censusblock by scenario
flAnDebrisBaseTabT	CensusBlock, SOccup	Table containing debris data
flAnDebrisFin	-	Intermediate debris table
flAnDebrisPostDmg	-	Debris table containing post-firm damage functions
flAnDebrisPostFSF	-	Intermediate debris table
flAnDebrisPostFSFC	-	Intermediate debris table
flAnDebrisPreDmg	-	Debris table containing pre-firm damage functions
flAnDebrisPreFSF	-	Debris table containing calculated foundation weight in pre-firm censusblocks
flAnDebrisT	-	Debris table categorized by foundation weight
flAnDebrisYearBuiltReduced	StudyCaseID, CensusBlock, ReturnPeriodID, AnalysisOptId, ControlHazard, CoastalZone	Debris table categorized by Year Built

B.3 Flood Template Database Table List (Continued)

Table Name	Primary Key	Description
flAnGBSBaseTabT	CensusBlock, SOccup	Table containing building cost, content cost, building count, depreciated building cost, depreciated content cost, and square footage
flAnGBSCombinedDmgPostInv	StudyCaseId, CensusBlock, ReturnPeriodID, AnalysisOptId, BlockType, ControlHazard, CoastalZone, SOccup, PctSOccupId, FoundationType	GBS table used to combine inventory post-firm damage values
flAnGBSCombinedDmgPostInvC	-	GBS table used to combine post-firm damage values for coastal inventory
flAnGBSCombinedDmgPreInv	StudyCaseId, CensusBlock, ReturnPeriodID, AnalysisOptId, BlockType, CoastalZone, ControlHazard, SOccup, PctSOccupId, FoundationType	GBS table used to combine pre-firm damage values
flAnGBSIntDmgChk	CensusBlock, StudyCaseId, ReturnPeriodId	Temp table containing building cost, depreciated cost, loss, depreciated loss
flAnGBSPostBuildingContent	StudyCaseId, CensusBlock, ReturnPeriodID, AnalysisOptId, BlockType, CoastalZone, ControlHazard, SOccup, PctSOccupId, FoundationType	General Building Stock table containing post-firm dollar loss information.
flAnGBSPostDollDmg	StudyCaseId, CensusBlock, ReturnPeriodID, AnalysisOptId, BlockType, ControlHazard, CoastalZone, SOccup, PctSOccupId, FoundationType	General Building Stock table containing post-firm dollar loss information.
flAnGBSPostEmployment	StudyCaseId, CensusBlock, ReturnPeriodID, AnalysisOptId, BlockType, ControlHazard, CoastalZone, SOccup, PctSOccupId, FoundationType	GBS table containing post-firm employment data
flAnGBSPostInvDmg	StudyCaseId, CensusBlock, ReturnPeriodID, AnalysisOptId, BlockType, CoastalZone, ControlHazard, SOccup, PctSOccupId, FoundationType	GBS table containing post-firm inventory damage functions
flAnGBSPostOutput	StudyCaseId, CensusBlock, ReturnPeriodID, AnalysisOptId, BlockType, ControlHazard, CoastalZone, SOccup, PctSOccupId, FoundationType	GBS table containing calculated post-firm Output Recapture data
flAnGBSPostRelocation	StudyCaseId, CensusBlock, ReturnPeriodID, AnalysisOptId, BlockType, CoastalZone, ControlHazard, SOccup, PctSOccupId, FoundationType	GBS table containing calculated post-firm relocation data
flAnGBSPostRental	StudyCaseId, CensusBlock, ReturnPeriodID, AnalysisOptId, BlockType, ControlHazard, CoastalZone, SOccup, PctSOccupId, FoundationType	GBS table containing calculated post-firm rental data

B.3 Flood Template Database Table List (Continued)

Table Name	Primary Key	Description
flAnGBSPreBuildingContent	StudyCaseId, CensusBlock, ReturnPeriodID, AnalysisOptId, ControlHazard, SOccup, PctSOccupId, FoundationType, BlockType, CoastalZone	General Building Stock table containing pre-firm dollar loss information.
flAnGBSPreDollDmg	StudyCaseId, CensusBlock, ReturnPeriodID, AnalysisOptId, ControlHazard, SOccup, PctSOccupId, FoundationType, BlockType, CoastalZone	General Building Stock table containing pre-firm dollar loss information.
flAnGBSPreEmployment	StudyCaseId, CensusBlock, ReturnPeriodID, AnalysisOptId, ControlHazard, SOccup, PctSOccupId, FoundationType, BlockType, CoastalZone	GBS table containing pre-firm employment data
flAnGBSPreInvDmg	StudyCaseId, CensusBlock, ReturnPeriodID, AnalysisOptId, ControlHazard, SOccup, PctSOccupId, FoundationType, BlockType, CoastalZone	GBS table containing pre-firm inventory damage functions
flAnGBSPreOutput	StudyCaseId, CensusBlock, ReturnPeriodID, AnalysisOptId, ControlHazard, SOccup, PctSOccupId, FoundationType, BlockType, CoastalZone	GBS table containing calculated pre-firm Output Recapture data
flAnGBSPreRelocation	StudyCaseId, CensusBlock, ReturnPeriodID, AnalysisOptId, ControlHazard, SOccup, PctSOccupId, FoundationType, BlockType, CoastalZone	GBS table containing calculated pre-firm relocation data
flAnGBSPreRental	StudyCaseId, CensusBlock, ReturnPeriodID, AnalysisOptId, ControlHazard, SOccup, PctSOccupId, FoundationType, BlockType, CoastalZone	GBS table containing calculated pre-firm rental data
flAnResultsControl	StudyCaseId, ReturnPeriodId, AnalysisOptId, AnCatId, AnalysisBit	Scenario data
flAnShelterResult	StudyCaseId, ReturnPeriodID, ControlHazard, CensusBlock, AnalysisOptId	Percentage of inundated censusblocks used in shelter process
flAnVehicleFinal	StudyCaseId, CensusBlock, ReturnPeriodId, AnalysisOptId, Vehicle, VehicleNature, ControlHazard, CoastalZone	Percentage of inundated censusblocks used in vehicle process
flBldgAges	CensusBlock	Table showing pre/post status by censusblock
flBldgContDmgFn	ContDmgFnId	Table containing building content damage functions
flBldgContDmgNonResUnionDetails	SOccupId	numStories and basement data for non-residential occupancies
flBldgContDmgRES1_2UnionDetails	SOccupId	numStories and basement data for residential occupancies
flBldgContDmgRES3UnionDetails	SOccupId	numStories and basement data for RES3 occupancies

B.3 Flood Template Database Table List (Continued)

Table Name	Primary Key	Description
flBldgContDmgXRef	SOccupId, ContDmgFnId	Table used to show user selected content damage function
flBldgEconParamOwnerOccupied	Occupancy	Table containing owner occupied building economic parameters
flBldgEconParamRecaptureFactors	Occupancy	Table containing economic parameter recapture factors
flBldgEconParamRental	Occupancy	Table containing economic parameters for rental properties
flBldgEconParamSalesAndInv	Occupancy	Table containing building economic parametes for sales and inventory
flBldgEconParamWageCapitalIncome	Occupancy	Building economic parameters for wage capital income
flBldgInvDmgFn	InvDmgFnId	Building inventory damage function
flBldgInvDmgNonResUnionDetails	SOccupId	Building inventory damage for non residential Union
flBldgInvDmgXRef	SOccupId, InvDmgFnId	Table used to show user selected inventory damage function
flBldgStructDmgFn	BldgDmgFnID	Building structure damage functions
flBldgStructDmgNonResUnionDetails	SOccupId	Table showing non-residential specific occupancy, story, basement data
flBldgStructDmgRES1_2UnionDetails	SOccupId	Table showing residential specific occupancy, story, basement data
flBldgStructDmgRES3UnionDetails	SOccupId	Table showing multiple residential specific occupancy, story, basement data
flBldgStructDmgXRef	SOccupId, BldgDmgFnId	Table used to show user selected structure damage function
flBridgeDmgFn	BridgeDmgFnId	Bridge damage functions table
flBridgeDmgXRef	SOccupId, BridgeDmgFnId	Table used to show user selected bridge damage function
flBridgeDmgFinal	SOccupId, BridgeDmgFnId	Table used to update bridge damage function
flBridgeUnionDetails	SOccupId, Occupancy, ScourPotential	Intermediate bridge data table
flBrowserControl	-	Browser control dialog table
flCREssntFlty	-	Table used to display essential facilty
flCareFlty	CareFltyId	Hospitals data table
flCareFltyDflt	EFClass	Default hospitals data table
flCustomUI	-	Custom user interface table
flDayVehicleInv	CensusBlock	Day vehicles inventory table
flDebris	SOccup, FoundType, MinFloodDepth, MaxFloodDepth	Debris table

B.3 Flood Template Database Table List (Continued)

Table Name	Primary Key	Description
flDepExposureContentGBldgTypeB	CensusBlock	Census block depreciated content exposure by building type
flDepExposureContentOccupB	CensusBlock	Census block depreciated content exposure by specific occupancy
flDepExposureGBldgTypeB	CensusBlock	Census block depreciated exposure building type
flDepExposureGBldgTypeTotal	CensusBlock	Census block depreciated exposure by building type
flDepExposureOccupB	CensusBlock	Census block depreciated exposure by specific occupancy
flDepExposureOccupTotal	CensusBlock	Census block total depreciated exposure by specific occupancy
flDepFunction	Age	Depreciated damage function values by age
flERSreg	CountyFIPS	ERS US farm resource regions
flERSregName	ERSregion	ERS US farm resource region names
flElectricPowerFlty	ElectricPowerFltyId	Electric power facility table
flElectricPowerFltyDflt	UtilFcltyClass	Default electric power facility table
flEmergencyCtr	Eocid	Emergency centre table
flEmergencyCtrDflt	EfClass	Default emergency centre table
flEssntFltyContDmgFn	ContDmgFnId	Essential facilities content damage functions table
flEssntFltyContDmgXRef	SOccupId, ContDmgFnId	Table used to show user selected essential facility content damage function
flEssntFltyContUnionDetails	SOccupId	Intermediate essential facility contents data table
flEssntFltyStructDmgFn	BldgDmgFnID	Essential facility structure damage functions table
flEssntFltyStructDmgXRef	SOccupId, BldgDmgFnId	Table used to show user selected essential facility content damage function
flEssntFltyStructUnionDetails	SOccupId	Intermediate essential facility structure data table
flExposureGBldgTypeTotal	CensusBlock	Census block exposure by building type
flExposureOccupTotal	CensusBlock	Census block total exposure by specific occupancy
flExposureTransport	CountyFips	Transportation exposure data
flExposureUtil	CountyFIPS	Utility exposure data
flFRAgricultureLossCounty	StudyCaseId, RetPeriodId, CountyFIPS, CropType, AnalysisOptId	Results table for agriculture loss by county
flFRAgricultureLossSubCounty	StudyCaseID, RetPeriodID, AgriRegionID, CropType, AnalysisOptId	Results table for agriculture loss by sub county

B.3 Flood Template Database Table List (Continued)

Table Name	Primary Key	Description
flFRAirportFlty	StudyCaseID, ReturnPeriodID, AirportFltyID, AnalysisOptId	Results table for airport facilities
flFRAirportRunway	StudyCaseID, ReturnPeriodID, RunwayID	Results table for airport runway
flFRBusFlty	StudyCaseID, ReturnPeriodID, BusFltyId, AnalysisOptId	Results table for bus facilities
flFRCareFlty	StudyCaseId, ReturnPeriodId, CareFltyId, ControlHazard, AnalysisOptId	Results table for care facilities
flFRCommunicationFlty	StudyCaseID, ReturnPeriodID, CommunicationFltyId, AnalysisOptId	Results table for communication facilities
flFRDebris	StudyCaseId, ReturnPeriodId, CensusBlock, AnalysisOptId	Results table for debris
flFRElectricPowerFlty	StudyCaseId, ReturnPeriodId, ElectricPowerFltyId, AnalysisOptId	Results table for electric power facility
flFREmergencyCtr	StudyCaseId, ReturnPeriodId, EocId, ControlHazard, AnalysisOptId	Results table for emergency centres
flFREmploymentLoss	StudyCaseID, ReturnPeriodID, CensusBlock, AnalysisOptId	Results table for employment loss
flFREssntFltyLossTotal	StudyCaseID, ReturnPeriodID, CountyFips, AnalysisOptId	Results table for essential facility loss
flFRFerryFlty	StudyCaseID, ReturnPeriodID, FerryFltyId, AnalysisOptId	Results table for ferry facilities
flFRFireStation	StudyCaseId, ReturnPeriodId, FireStationId, ControlHazard, AnalysisOptId	Results table for fire stations
flFRGBSDepEcLossByGBldgType	StudyCaseId, ReturnPeriodId, CensusBlock, BldgType, Pre_PostFirm, Analysis	Results table for GBS depreciated economic loss by builing type
flFRGBSDepEcLossByGOccup	StudyCaseId, ReturnPeriodId, CensusBlock, GenOccup, Pre_PostFirm, AnalysisOptId	Results table for depreciated economic loss by general occupancy type
flFRGBSDepEcLossBySOccup	StudyCaseId, ReturnPeriodId, CensusBlock, ControlHazard, SOccup, Pre_PostFirm, AnalysisOptId	Results table for depreciated economic loss by specific occupancy type
flFRGBSDepEcLossByTotal	StudyCaseId, ReturnPeriodId, CensusBlock, Pre_PostFirm, AnalysisOptId	Results table for total depreciated economic loss
flFRGBSDmgCountGBldgType	StudyCaseId, ReturnPeriodId, CensusBlock, BldgType, Pre_PostFirm, AnalysisOptId	Results table for GBS damage counts by builing type
flFRGBSDmgCountGOccupB	StudyCaseId, ReturnPeriodId, CensusBlock, GenOccup, Pre_PostFirm, AnalysisOptId	Results table for damage count by general occupancy
flFRGBSDmgCountSOccupB	StudyCaseId, ReturnPeriodId, CensusBlock, SOccup, ControlHazard, Pre_PostFirm, AnalysisOptId	Results table for damage count by specific occupancy
flFRGBSDmgGBldgType	StudyCaseId, ReturnPeriodId, CensusBlock, BldgType, Pre_PostFirm, AnalysisOptId	Results table for damage by general building type

B.3 Flood Template Database Table List (Continued)

Table Name	Primary Key	Description
flFRGBSDmgGOccupB	StudyCaseId, ReturnPeriodId, CensusBlock, GenOccup, Pre_PostFirm, AnalysisOptId	Square footage damage by census block, general occupancy
flFRGBSDmgSOccupB	StudyCaseId, ReturnPeriodId, CensusBlock, SOccup, ControlHazard, Pre_PostFirm, AnalysisOptId	Square footage damage by census block, specific occupancy
flFRGBSEcLossByGBldgType	StudyCaseId, ReturnPeriodId, CensusBlock, BldgType, Pre_PostFirm, AnalysisOptId	Results table for GBS economic loss by builing type
flFRGBSEcLossByGOccup	StudyCaseId, ReturnPeriodId, CensusBlock, GenOccup, Pre_PostFirm, AnalysisOptId	Results table for GBS economic loss by general occupancy
flFRGBSEcLossByGOccupT	StudyCaseId, ReturnPeriodId, AnalysisOptId, Category, Area	Transposed results table for GBS economic loss by general occupancy
flFRGBSEcLossBySOccup	StudyCaseId, ReturnPeriodId, CensusBlock, AnalysisOptId, ControlHazard, Pre_PostFirm, SOccup	Results table for GBS economic loss by specific occupancy
flFRGBSEcLossByTotal	StudyCaseId, ReturnPeriodId, CensusBlock, Pre_PostFirm, AnalysisOptId	Results table for GBS economic loss by total
flFRHighwayBridge	StudyCaseId, ReturnPeriodId, HighwayBridgeId, AnalysisOptId	Results table for affected highway bridges
flFRHighwaySegments	StudyCaseID, ReturnPeriodID, HighwaySegId, AnalysisOptId	Results table for highway segments
flFRHighwayTunnel	StudyCaseID, ReturnPeriodID, HighwayTunnelId, AnalysisOptId	Results table for tunnels
flFRLightRailBridge	StudyCaseId, ReturnPeriodId, LightRailBridgeId, AnalysisOptId	Results table for bridges
flFRLightRailFlty	StudyCaseID, ReturnPeriodID, LightRailFltyId, AnalysisOptId	Results table for rail facilities
flFRLightRailSegments	StudyCaseID, ReturnPeriodID, LightRailSegId, AnalysisOptId	Results table for rail segments
flFRLightRailTunnel	StudyCaseID, ReturnPeriodID, LightRailTunnelId, AnalysisOptId	Results table for rail tunnels
flFRNaturalGasFlty	StudyCaseId, ReturnPeriodId, NaturalGasFltyId, AnalysisOptId	Results table for natural gas facilities
flFRNaturalGasPl	StudyCaseID, ReturnPeriodID, NaturalGasPlId, AnalysisOptId	Results table for natural gas pipe lines
flFROilFlty	StudyCaseId, ReturnPeriodId, OilFltyId, AnalysisOptId	Results table for oil facilties
flFROilPl	StudyCaseID, ReturnPeriodID, OilPlId, AnalysisOptId	Results table for oil pipe lines
flFRPoliceStation	StudyCaseId, ReturnPeriodId, PoliceStationId, ControlHazard, AnalysisOptId	Results table for police stations
flFRPortFlty	StudyCaseID, ReturnPeriodID, PortFltyId, AnalysisOptId	Results table for port facilities

B.3 Flood Template Database Table List (Continued)

Table Name	Primary Key	Description
flFRPotableWaterFlty	StudyCaseId, ReturnPeriodId, PotableWaterFltyId, AnalysisOptId	Results table for water facilities
flFRPotableWaterPl	StudyCaseID, ReturnPeriodID, PotableWaterPlId, AnalysisOptId	Results table for water pipelines
flFRRailwayBridge	StudyCaseId, ReturnPeriodId, RailwayBridgeId, AnalysisOptId	Results table for railway bridges
flFRRailwayFlty	StudyCaseID, ReturnPeriodID, RailFltyId, AnalysisOptId	Results table for railway facilities
flFRRailwaySegments	StudyCaseID, ReturnPeriodID, RailwaySegId, AnalysisOptId	Results table for railways segments
flFRRailwayTunnel	StudyCaseID, ReturnPeriodID, RailwayTunnelId, AnalysisOptId	Results table for railway tunnels
flFRSchool	StudyCaseId, ReturnPeriodId, SchoolId, ControlHazard, AnalysisOptId	Results table for schools
flFRShelter	StudyCaseId, ReturnPeriodId, CensusBlock, AnalysisOptId	Results table for shelter
flFRTranspLossTotal	StudyCaseId, ReturnPeriodId, CountyFips, AnalysisOptId	Results table for total transportation loss
flFRUserDefinedFlty	StudyCaseId, ReturnPeriodId, UserDefinedFltyId, ControlHazard, AnalysisOptId	Results table for user defined facilities
flFRUtilityLossTotal	StudyCaseId, ReturnPeriodId, CountyFips, AnalysisOptId	Results table for total loss in utilities
flFRVehicleDamage	StudyCaseID, ReturnPeriodID, CensusBlock, VehicleType, AnalysisOptId, UseTime	Results table for vehicles damage
flFRVehicleLoss	StudyCaseID, ReturnPeriodID, CensusBlock, AnalysisOptId, UseTime	Results table for vehicle loss
flFRWasteWaterFlty	StudyCaseId, ReturnPeriodId, WasteWaterFltyId, AnalysisOptId	Results table for waste water facilities
flFRWasteWaterPl	StudyCaseID, ReturnPeriodID, WasteWaterPlId, AnalysisOptId	Results table for waste water pipelines
flFireStation	FireStationId	Fire stations
flFireStationDflt	EFClass	Default fire stations
flFoundation	FoundationID	Foundation
flFoundationType	BasementID	Foundation type
flHighwayBridge	HighwayBridgeId	Highway bridges
flHighwayBridgeDflt	BridgeClass	Default highway bridges
flIELMDirLossBySOccup	StudyCaseID, ReturnPeriodID, AnalysisOptID, ControllingHazard, Occupancy	Indirect Economic Loss Model table containing the initial Direct Economic Loss by Specific Occupancy data
flIELMDlBySOccupDsTI	flIelDlByOccupDsTIId	Indirect Economic Loss Model table currently not used

B.3 Flood Template Database Table List (Continued)

Table Name	Primary Key	Description
flIELMDlBySOccupTI	flIelDlByOccupTIId	Indirect Economic Loss Model table currently not used
flIELMDlBySectorTI	flIelDlBySectorTIId	Indirect Economic Loss Model table currently not used
flIELMImplan2HazusSectorMap	SctrMapId	Indirect Economic Loss Model table mapping of the 524 Implan Sector Code mapping into the 10 HAZUS Sectors
flIELMImplanData	ImplanId	Indirect Economic Loss Model table containing Implan sets by the 10 HAZUS Sectors (each set is 10 rows)
flIELMLossChange	flIeLossChangeId	Indirect Economic Loss Model table currently not used
flIELMLossResults	StudyCaseId, ReturnPeriodId, TimeInterval, LossType, AidType, AnalysisOptId	Indirect Economic Loss Model table containing the loss results
flIELMLossResults_2	-	Indirect Economic Loss Model table containing intermediate loss results
flIELMOccup2SectorMap	Occup2SctrMapId	Indirect Economic Loss Model table Flood-Specific Occupancy mapping to HAZUS Sectors
flIELMParams	ParamName	Indirect Economic Loss Model table containing IELM, Implan parameters
flIELMParamsByTime	TimeInterval	Indirect Economic Loss Model table containing data by Sector by Time (W-week, M-month, Y-year)
flIELMParamsByTimeOrder	SortOrder	Indirect Economic Loss Model table containing the Time intervals order (W-week, M-month, Y-year)
flIELMSectorOutput	Sector	Indirect Economic Loss Model table currently not used
flIELMStimulus	TimeInterval, Sector	Indirect Economic Loss Model table containing Stimulus by Time interval, Sector
flLightRailBridge	LightRailBridgeId	Ligh rail bridges
flLightRailBridgeDflt	BridgeClass	Default light rail bridges
flNaturalGasFlty	NaturalGasFltyId	Natural gas facilities
flNaturalGasFltyDflt	UtilFcltyClass	Default natural gas facilties
flNaturalGasPl	NaturalGasPlId	Natural gas pipelines
flNightVehicleInv	CensusBlock	Night time vehicle inventory
flOilFlty	OilFltyId	Oil facilities
flOilFltyDflt	UtilFcltyClass	Default oil facilities
flOilPl	OilPlId	Oil pipelines
flPoliceStation	PoliceStationId	Police stations
flPoliceStationDflt	EFClass	Default police stations

B.3 Flood Template Database Table List (Continued)

Table Name	Primary Key	Description
flPotableWaterFlty	PotableWaterFltyId	Potable water facilities
flPotableWaterFltyDflt	UtilFcltyClass	Default potable water facilities
flPotableWaterPl	PotableWaterPlId	Potable water pipelines
flProcessParams	-	Table showing multiple processing indicator
flRailwayBridge	RailwayBridgeId	Railways bridges
flRailwayBridgeDflt	BridgeClass	Default railway bridges
flReportControl	-	System report mapping table
flReturnPeriod	RetPeriodID	Return period table
flRsFnEssntFlty	SortOrder	Table showing essential facility restoration data
flRsFnGBS	SOccup, Min_Depth, Max_Depth	Table showing GBS restoration data
flRsFnGBST	SOccup	Table showing transposed GBS restoration data
flSPControl	ViewName, Mode, SequenceId	System view mapping table
flSchemeCoastal	SchemeId, SOccup, FoundationType	Study region coastal scheme data
flSchemeGLakes	SchemeId, SOccup, FoundationType	Study region Great Lakes scheme data
flSchemeInfo	SchemeId	Study region Scheme data
flSchemeMapping	CensusBlock	Table showing schemes associated with census blocks
flSchemeRiverine	SchemeId, SOccup, FoundationType	Study region Riverine scheme data
flSchool	SchoolId	Schools table
flSchoolDflt	EfClass	Defaults schools table
flShelterParams	-	Shelter parameter table
flSqFootageGBldgTypeB	CensusBlock	Census block square footage table by building type
flStudyCase	StudyCaseID	Study case name and ID cross-reference table
flStudyCaseBlocks	StudyCaseId, CensusBlock	Table showing study case and census blocks within
flStudyCaseParms	StudyCaseID, ParmKey	Study case parameter table
flUserDefinedFlty	UserDefinedFltyId	User defined facilities
flUtilFltyDmgFn	UtilFltyDmgFnID	Utility facilities damage function
flUtilFltyDmgUnionDetails	SOccupId	Intermediate utility table
flUtilFltyDmgXRef	SOccupId, UtilFltyDmgFnId	Table used to show user selected utility damage function
flVehDmgFn	VehDmgFnId	Vehicles damage function
flVehDmgUnionDetails	VehicleType	Intermediate vehicle table
flVehDmgXRef	VehicleType, VehDmgFnId	Table used to show user selected vehicle damage function

B.3 Flood Template Database Table List (Continued)

Table Name	Primary Key	Description
flWasteWaterFlty	WasteWaterFltyId	Waste water facilities
flWasteWaterFltyDflt	UtilFcltyClass	Default waste water facilities
flWasteWaterPl	WasteWaterPlId	Waste water pipelines
flAgeDistribution	DecadeID	Age distribution
flDecadeDescription	DecBegin, DecEnd	Catergorized decade table
flBldgContDmgFnNorm	ContDmgFnID	Content damage function by depth
flBldgInvDmgFnNorm	InvDmgFnID, Depth	Inventory damage function by depth
flBlockType	ID	Block type cross-reference table
flDepth	ID	Flood depth cross-reference table
flDmgBase	FirmID, BlockTypeID, HazardTypeID,FoundationID, STORYID, SOCCUPID, DepthID	Damage function base table
flFFEKey	FirmID, BlockTypeID, HazardTypeID, FoundationID, FFEID	First floor elevation cross-reference table
flFFEValues	FFESet, FFEID	Default first floor elevation default and user defined values
flFIRM	ID	Pre-post FIRM cross-reference table
flGBSDistNonRes	SchemeID, BlockTypeID, SOccupID, StoryID, FIRMID, FoundationID, HazardZoneID, DecadeID	Non residential building distribution values
flGBSDistRes	SchemeID,BlockTypeID,SOccupID,StoryID,FIRMID,FoundationID,HazardZoneID	Residential building distribution values
flGBSOccupInv	ID	GBS inventory occupancy cross-reference table
flHazType	ID, ZoneID, ZoneAbbr	Hazard type
flSOccupIDBase	ID, SOccupID	Specific occupancy cross-reference table
flSOccupStoriesXRef	SOccupID, StoryID, Story	Occupancy story cross-reference table
flStateFIPSRES1	StateFips	Table showing residential (Single Family Dwelling) story data by state FIPS
flStateFIPSRES2	StateFips	Table showing residential (Manufactured Home) story data by state FIPS
flStateFIPSRES3	StateFips	Table showing residential (Multi Family Dwelling) story data by state FIPS
flZone	ID	Zone data
flGBSFinal	StudyCaseId,AnalysisOptId,ReturnPeriodID,CensusBlock,SchemeID,ZoneID,FirmID,BlockTypeID,HazardTypeID,OCCID,Depth,DecadeID,DmgStrBin	Combined General Building Stock values

B.3 Flood Template Database Table List (Continued)

Table Name	Primary Key	Description
flGBSVelocityFinal	StudyCaseId,AnalysisOptId,ReturnPeriodID,CensusBlock,Velocity,SchemeID,ZoneID,FirmID,BlockTypeID,HazardTypeID,FoundationID,STORYID,OCCID,DepthID,DecadeID	Combined Velocity values

Table B-4 Flood Template Database Table Column List

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSCombinedDmgPost	StudyCaseId	int
flAnGBSCombinedDmgPost	CensusBlock	varchar(15)
flAnGBSCombinedDmgPost	ReturnPeriodID	varchar(6)
flAnGBSCombinedDmgPost	AnalysisOptId	int
flAnGBSCombinedDmgPost	BlockType	Char(1)
flAnGBSCombinedDmgPost	ControlHazard	Char
flAnGBSCombinedDmgPost	CoastalZone	Char(2)
flAnGBSCombinedDmgPost	SOccup	char(5)
flAnGBSCombinedDmgPost	PctSOccupId	varchar(6)
flAnGBSCombinedDmgPost	FoundationType	char(10)
flAnGBSCombinedDmgPost	POSTStructDmgFt00	float
flAnGBSCombinedDmgPost	POSTStructDmgFt50	float
flAnGBSCombinedDmgPost	POSTStructDmgFt100	float
flAnGBSCombinedDmgPost	POSTStructDmgFt150	float
flAnGBSCombinedDmgPost	POSTStructDmgFt200	float
flAnGBSCombinedDmgPost	POSTStructDmgFt250	float
flAnGBSCombinedDmgPost	POSTStructDmgFt300	float
flAnGBSCombinedDmgPost	POSTStructDmgFt350	float
flAnGBSCombinedDmgPost	POSTStructDmgFt400	float
flAnGBSCombinedDmgPost	POSTStructDmgFt450	float
flAnGBSCombinedDmgPost	POSTStructDmgFt500	float
flAnGBSCombinedDmgPost	POSTStructDmgFt550	float
flAnGBSCombinedDmgPost	POSTStructDmgFt600	float
flAnGBSCombinedDmgPost	POSTStructDmgFt650	float
flAnGBSCombinedDmgPost	POSTStructDmgFt700	float
flAnGBSCombinedDmgPost	POSTStructDmgFt750	float
flAnGBSCombinedDmgPost	POSTStructDmgFt800	float
flAnGBSCombinedDmgPost	POSTStructDmgFt850	float
flAnGBSCombinedDmgPost	POSTStructDmgFt900	float
flAnGBSCombinedDmgPost	POSTStructDmgFt950	float
flAnGBSCombinedDmgPost	POSTStructDmgFt1000	float
flAnGBSCombinedDmgPost	POSTStructDmgFt1050	float
flAnGBSCombinedDmgPost	POSTStructDmgFt1100	float
flAnGBSCombinedDmgPost	POSTStructDmgFt1150	float
flAnGBSCombinedDmgPost	POSTStructDmgFt1200	float
flAnGBSCombinedDmgPost	POSTStructDmgFt1250	float
flAnGBSCombinedDmgPost	POSTStructDmgFt1300	float
flAnGBSCombinedDmgPost	POSTStructDmgFt1350	float
flAnGBSCombinedDmgPost	POSTStructDmgFt1400	float
flAnGBSCombinedDmgPost	POSTStructDmgFt1450	float
flAnGBSCombinedDmgPost	POSTStructDmgFt1500	float
flAnGBSCombinedDmgPost	POSTStructDmgFt1550	float
flAnGBSCombinedDmgPost	POSTStructDmgFt1600	float
flAnGBSCombinedDmgPost	POSTStructDmgFt1650	float
flAnGBSCombinedDmgPost	POSTStructDmgFt1700	float
flAnGBSCombinedDmgPost	POSTStructDmgFt1750	float
flAnGBSCombinedDmgPost	POSTStructDmgFt1800	float
flAnGBSCombinedDmgPost	POSTStructDmgFt1850	float
flAnGBSCombinedDmgPost	POSTStructDmgFt1900	float
flAnGBSCombinedDmgPost	POSTStructDmgFt1950	float
flAnGBSCombinedDmgPost	POSTStructDmgFt2000	float
flAnGBSCombinedDmgPost	POSTStructDmgFt2050	float
flAnGBSCombinedDmgPost	POSTStructDmgFt2100	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSCombinedDmgPost	POSTStructDmgFt2150	float
flAnGBSCombinedDmgPost	POSTStructDmgFt2200	float
flAnGBSCombinedDmgPost	POSTStructDmgFt2250	float
flAnGBSCombinedDmgPost	POSTStructDmgFt2300	float
flAnGBSCombinedDmgPost	POSTStructDmgFt2350	float
flAnGBSCombinedDmgPost	POSTStructDmgFt2400	float
flAnGBSCombinedDmgPostC	StudyCaseId	int
flAnGBSCombinedDmgPostC	CensusBlock	varchar(15)
flAnGBSCombinedDmgPostC	ReturnPeriodID	varchar(6)
flAnGBSCombinedDmgPostC	AnalysisOptId	int
flAnGBSCombinedDmgPostC	BlockType	char(1)
flAnGBSCombinedDmgPostC	ControlHazard	char
flAnGBSCombinedDmgPostC	CoastalZone	char(2)
flAnGBSCombinedDmgPostC	SOccup	char(5)
flAnGBSCombinedDmgPostC	PctSOccupId	varchar(6)
flAnGBSCombinedDmgPostC	FoundationType	char(10)
flAnGBSCombinedDmgPostC	POSTStructDmgAFt00	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt50	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt100	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt150	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt200	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt250	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt300	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt350	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt400	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt450	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt500	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt550	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt600	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt650	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt700	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt750	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt800	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt850	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt900	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt950	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt1000	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt1050	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt1100	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt1150	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt1200	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt1250	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt1300	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt1350	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt1400	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt1450	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt1500	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt1550	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt1600	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt1650	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt1700	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt1750	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt1800	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt1850	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSCombinedDmgPostC	POSTStructDmgAFt1900	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt1950	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt2000	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt2050	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt2100	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt2150	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt2200	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt2250	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt2300	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt2350	float
flAnGBSCombinedDmgPostC	POSTStructDmgAFt2400	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt00	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt50	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt100	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt150	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt200	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt250	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt300	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt350	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt400	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt450	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt500	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt550	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt600	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt650	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt700	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt750	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt800	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt850	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt900	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt950	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt1000	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt1050	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt1100	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt1150	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt1200	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt1250	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt1300	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt1350	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt1400	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt1450	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt1500	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt1550	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt1600	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt1650	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt1700	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt1750	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt1800	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt1850	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt1900	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt1950	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt2000	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt2050	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt2100	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt2150	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt2200	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt2250	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSCombinedDmgPostC	POSTStructDmgVFt2300	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt2350	float
flAnGBSCombinedDmgPostC	POSTStructDmgVFt2400	float
flAnGBSCombinedDmgPostCont	StudyCaseId	int
flAnGBSCombinedDmgPostCont	CensusBlock	varchar(15)
flAnGBSCombinedDmgPostCont	ReturnPeriodID	varchar(6)
flAnGBSCombinedDmgPostCont	AnalysisOptId	int
flAnGBSCombinedDmgPostCont	BlockType	char(1)
flAnGBSCombinedDmgPostCont	ControlHazard	char
flAnGBSCombinedDmgPostCont	CoastalZone	char(2)
flAnGBSCombinedDmgPostCont	SOccup	char(5)
flAnGBSCombinedDmgPostCont	PctSOccupId	varchar(6)
flAnGBSCombinedDmgPostCont	FoundationType	char(10)
flAnGBSCombinedDmgPostCont	POSTContDmgFt00	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt50	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt100	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt150	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt200	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt250	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt300	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt350	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt400	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt450	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt500	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt550	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt600	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt650	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt700	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt750	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt800	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt850	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt900	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt950	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt1000	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt1050	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt1100	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt1150	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt1200	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt1250	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt1300	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt1350	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt1400	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt1450	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt1500	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt1550	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt1600	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt1650	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt1700	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt1750	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt1800	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt1850	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt1900	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt1950	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt2000	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt2050	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt2100	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt2150	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSCombinedDmgPostCont	POSTContDmgFt2200	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt2250	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt2300	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt2350	float
flAnGBSCombinedDmgPostCont	POSTContDmgFt2400	float
flAnGBSCombinedDmgPostContC	StudyCaseId	int
flAnGBSCombinedDmgPostContC	CensusBlock	varchar(15)
flAnGBSCombinedDmgPostContC	ReturnPeriodID	varchar(6)
flAnGBSCombinedDmgPostContC	AnalysisOptId	int
flAnGBSCombinedDmgPostContC	BlockType	char(1)
flAnGBSCombinedDmgPostContC	ControlHazard	char
flAnGBSCombinedDmgPostContC	CoastalZone	char(2)
flAnGBSCombinedDmgPostContC	SOccup	char(5)
flAnGBSCombinedDmgPostContC	PctSOccupId	varchar(6)
flAnGBSCombinedDmgPostContC	FoundationType	char(10)
flAnGBSCombinedDmgPostContC	POSTContDmgAFt00	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt50	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt100	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt150	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt200	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt250	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt300	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt350	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt400	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt450	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt500	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt550	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt600	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt650	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt700	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt750	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt800	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt850	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt900	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt950	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt1000	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt1050	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt1100	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt1150	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt1200	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt1250	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt1300	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt1350	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt1400	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt1450	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt1500	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt1550	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt1600	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt1650	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt1700	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt1750	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt1800	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt1850	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt1900	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt1950	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt2000	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt2050	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSCombinedDmgPostContC	POSTContDmgAFt2100	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt2150	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt2200	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt2250	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt2300	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt2350	float
flAnGBSCombinedDmgPostContC	POSTContDmgAFt2400	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt00	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt50	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt100	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt150	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt200	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt250	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt300	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt350	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt400	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt450	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt500	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt550	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt600	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt650	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt700	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt750	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt800	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt850	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt900	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt950	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt1000	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt1050	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt1100	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt1150	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt1200	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt1250	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt1300	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt1350	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt1400	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt1450	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt1500	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt1550	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt1600	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt1650	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt1700	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt1750	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt1800	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt1850	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt1900	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt1950	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt2000	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt2050	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt2100	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt2150	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt2200	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt2250	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt2300	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt2350	float
flAnGBSCombinedDmgPostContC	POSTContDmgVFt2400	float
flAnGBSPostDmgVals	StudyCaseId	int

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSPostDmgVals	CensusBlock	varchar(15)
flAnGBSPostDmgVals	ReturnPeriodID	varchar(6)
flAnGBSPostDmgVals	AnalysisOptId	int
flAnGBSPostDmgVals	BlockType	char(1)
flAnGBSPostDmgVals	ControlHazard	char
flAnGBSPostDmgVals	CoastalZone	char(2)
flAnGBSPostDmgVals	SOccup	char(5)
flAnGBSPostDmgVals	PctSOccupId	varchar(6)
flAnGBSPostDmgVals	FoundationType	char(10)
flAnGBSPostDmgVals	POSTFldFt00	int
flAnGBSPostDmgVals	POSTFldFt50	dec(9)
flAnGBSPostDmgVals	POSTFldFt100	int
flAnGBSPostDmgVals	POSTFldFt150	dec(9)
flAnGBSPostDmgVals	POSTFldFt200	int
flAnGBSPostDmgVals	POSTFldFt250	dec(9)
flAnGBSPostDmgVals	POSTFldFt300	int
flAnGBSPostDmgVals	POSTFldFt350	dec(9)
flAnGBSPostDmgVals	POSTFldFt400	int
flAnGBSPostDmgVals	POSTFldFt450	dec(9)
flAnGBSPostDmgVals	POSTFldFt500	int
flAnGBSPostDmgVals	POSTFldFt550	dec(9)
flAnGBSPostDmgVals	POSTFldFt600	int
flAnGBSPostDmgVals	POSTFldFt650	dec(9)
flAnGBSPostDmgVals	POSTFldFt700	int
flAnGBSPostDmgVals	POSTFldFt750	dec(9)
flAnGBSPostDmgVals	POSTFldFt800	int
flAnGBSPostDmgVals	POSTFldFt850	dec(9)
flAnGBSPostDmgVals	POSTFldFt900	int
flAnGBSPostDmgVals	POSTFldFt950	dec(9)
flAnGBSPostDmgVals	POSTFldFt1000	int
flAnGBSPostDmgVals	POSTFldFt1050	dec(9)
flAnGBSPostDmgVals	POSTFldFt1100	int
flAnGBSPostDmgVals	POSTFldFt1150	dec(9)
flAnGBSPostDmgVals	POSTFldFt1200	int
flAnGBSPostDmgVals	POSTFldFt1250	dec(9)
flAnGBSPostDmgVals	POSTFldFt1300	int
flAnGBSPostDmgVals	POSTFldFt1350	dec(9)
flAnGBSPostDmgVals	POSTFldFt1400	int
flAnGBSPostDmgVals	POSTFldFt1450	dec(9)
flAnGBSPostDmgVals	POSTFldFt1500	int
flAnGBSPostDmgVals	POSTFldFt1550	dec(9)
flAnGBSPostDmgVals	POSTFldFt1600	int
flAnGBSPostDmgVals	POSTFldFt1650	dec(9)
flAnGBSPostDmgVals	POSTFldFt1700	int
flAnGBSPostDmgVals	POSTFldFt1750	dec(9)
flAnGBSPostDmgVals	POSTFldFt1800	int
flAnGBSPostDmgVals	POSTFldFt1850	dec(9)
flAnGBSPostDmgVals	POSTFldFt1900	int
flAnGBSPostDmgVals	POSTFldFt1950	dec(9)
flAnGBSPostDmgVals	POSTFldFt2000	int
flAnGBSPostDmgVals	POSTFldFt2050	dec(9)
flAnGBSPostDmgVals	POSTFldFt2100	int
flAnGBSPostDmgVals	POSTFldFt2150	dec(9)
flAnGBSPostDmgVals	POSTFldFt2200	int
flAnGBSPostDmgVals	POSTFldFt2250	dec(9)
flAnGBSPostDmgVals	POSTFldFt2300	int
flAnGBSPostDmgVals	POSTFldFt2350	dec(9)

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSPostDmgVals	POSTFldFt2400	int
flAnGBSPostDmgVals	POSTFldAFt00	float
flAnGBSPostDmgVals	POSTFldAFt50	float
flAnGBSPostDmgVals	POSTFldAFt100	float
flAnGBSPostDmgVals	POSTFldAFt150	float
flAnGBSPostDmgVals	POSTFldAFt200	float
flAnGBSPostDmgVals	POSTFldAFt250	float
flAnGBSPostDmgVals	POSTFldAFt300	float
flAnGBSPostDmgVals	POSTFldAFt350	float
flAnGBSPostDmgVals	POSTFldAFt400	float
flAnGBSPostDmgVals	POSTFldAFt450	float
flAnGBSPostDmgVals	POSTFldAFt500	float
flAnGBSPostDmgVals	POSTFldAFt550	float
flAnGBSPostDmgVals	POSTFldAFt600	float
flAnGBSPostDmgVals	POSTFldAFt650	float
flAnGBSPostDmgVals	POSTFldAFt700	float
flAnGBSPostDmgVals	POSTFldAFt750	float
flAnGBSPostDmgVals	POSTFldAFt800	float
flAnGBSPostDmgVals	POSTFldAFt850	float
flAnGBSPostDmgVals	POSTFldAFt900	float
flAnGBSPostDmgVals	POSTFldAFt950	float
flAnGBSPostDmgVals	POSTFldAFt1000	float
flAnGBSPostDmgVals	POSTFldAFt1050	float
flAnGBSPostDmgVals	POSTFldAFt1100	float
flAnGBSPostDmgVals	POSTFldAFt1150	float
flAnGBSPostDmgVals	POSTFldAFt1200	float
flAnGBSPostDmgVals	POSTFldAFt1250	float
flAnGBSPostDmgVals	POSTFldAFt1300	float
flAnGBSPostDmgVals	POSTFldAFt1350	float
flAnGBSPostDmgVals	POSTFldAFt1400	float
flAnGBSPostDmgVals	POSTFldAFt1450	float
flAnGBSPostDmgVals	POSTFldAFt1500	float
flAnGBSPostDmgVals	POSTFldAFt1550	float
flAnGBSPostDmgVals	POSTFldAFt1600	float
flAnGBSPostDmgVals	POSTFldAFt1650	float
flAnGBSPostDmgVals	POSTFldAFt1700	float
flAnGBSPostDmgVals	POSTFldAFt1750	float
flAnGBSPostDmgVals	POSTFldAFt1800	float
flAnGBSPostDmgVals	POSTFldAFt1850	float
flAnGBSPostDmgVals	POSTFldAFt1900	float
flAnGBSPostDmgVals	POSTFldAFt1950	float
flAnGBSPostDmgVals	POSTFldAFt2000	float
flAnGBSPostDmgVals	POSTFldAFt2050	float
flAnGBSPostDmgVals	POSTFldAFt2100	float
flAnGBSPostDmgVals	POSTFldAFt2150	float
flAnGBSPostDmgVals	POSTFldAFt2200	float
flAnGBSPostDmgVals	POSTFldAFt2250	float
flAnGBSPostDmgVals	POSTFldAFt2300	float
flAnGBSPostDmgVals	POSTFldAFt2350	float
flAnGBSPostDmgVals	POSTFldAFt2400	float
flAnGBSPostDmgVals	POSTFldVFt00	float
flAnGBSPostDmgVals	POSTFldVFt50	float
flAnGBSPostDmgVals	POSTFldVFt100	float
flAnGBSPostDmgVals	POSTFldVFt150	float
flAnGBSPostDmgVals	POSTFldVFt200	float
flAnGBSPostDmgVals	POSTFldVFt250	float
flAnGBSPostDmgVals	POSTFldVFt300	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSPostDmgVals	POSTFldVFt350	float
flAnGBSPostDmgVals	POSTFldVFt400	float
flAnGBSPostDmgVals	POSTFldVFt450	float
flAnGBSPostDmgVals	POSTFldVFt500	float
flAnGBSPostDmgVals	POSTFldVFt550	float
flAnGBSPostDmgVals	POSTFldVFt600	float
flAnGBSPostDmgVals	POSTFldVFt650	float
flAnGBSPostDmgVals	POSTFldVFt700	float
flAnGBSPostDmgVals	POSTFldVFt750	float
flAnGBSPostDmgVals	POSTFldVFt800	float
flAnGBSPostDmgVals	POSTFldVFt850	float
flAnGBSPostDmgVals	POSTFldVFt900	float
flAnGBSPostDmgVals	POSTFldVFt950	float
flAnGBSPostDmgVals	POSTFldVFt1000	float
flAnGBSPostDmgVals	POSTFldVFt1050	float
flAnGBSPostDmgVals	POSTFldVFt1100	float
flAnGBSPostDmgVals	POSTFldVFt1150	float
flAnGBSPostDmgVals	POSTFldVFt1200	float
flAnGBSPostDmgVals	POSTFldVFt1250	float
flAnGBSPostDmgVals	POSTFldVFt1300	float
flAnGBSPostDmgVals	POSTFldVFt1350	float
flAnGBSPostDmgVals	POSTFldVFt1400	float
flAnGBSPostDmgVals	POSTFldVFt1450	float
flAnGBSPostDmgVals	POSTFldVFt1500	float
flAnGBSPostDmgVals	POSTFldVFt1550	float
flAnGBSPostDmgVals	POSTFldVFt1600	float
flAnGBSPostDmgVals	POSTFldVFt1650	float
flAnGBSPostDmgVals	POSTFldVFt1700	float
flAnGBSPostDmgVals	POSTFldVFt1750	float
flAnGBSPostDmgVals	POSTFldVFt1800	float
flAnGBSPostDmgVals	POSTFldVFt1850	float
flAnGBSPostDmgVals	POSTFldVFt1900	float
flAnGBSPostDmgVals	POSTFldVFt1950	float
flAnGBSPostDmgVals	POSTFldVFt2000	float
flAnGBSPostDmgVals	POSTFldVFt2050	float
flAnGBSPostDmgVals	POSTFldVFt2100	float
flAnGBSPostDmgVals	POSTFldVFt2150	float
flAnGBSPostDmgVals	POSTFldVFt2200	float
flAnGBSPostDmgVals	POSTFldVFt2250	float
flAnGBSPostDmgVals	POSTFldVFt2300	float
flAnGBSPostDmgVals	POSTFldVFt2350	float
flAnGBSPostDmgVals	POSTFldVFt2400	float
flAnGBSPostDmgVals	POSTDmgFt00	float
flAnGBSPostDmgVals	POSTDmgFt50	float
flAnGBSPostDmgVals	POSTDmgFt100	float
flAnGBSPostDmgVals	POSTDmgFt150	float
flAnGBSPostDmgVals	POSTDmgFt200	float
flAnGBSPostDmgVals	POSTDmgFt250	float
flAnGBSPostDmgVals	POSTDmgFt300	float
flAnGBSPostDmgVals	POSTDmgFt350	float
flAnGBSPostDmgVals	POSTDmgFt400	float
flAnGBSPostDmgVals	POSTDmgFt450	float
flAnGBSPostDmgVals	POSTDmgFt500	float
flAnGBSPostDmgVals	POSTDmgFt550	float
flAnGBSPostDmgVals	POSTDmgFt600	float
flAnGBSPostDmgVals	POSTDmgFt650	float
flAnGBSPostDmgVals	POSTDmgFt700	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSPostDmgVals	POSTDmgFt750	float
flAnGBSPostDmgVals	POSTDmgFt800	float
flAnGBSPostDmgVals	POSTDmgFt850	float
flAnGBSPostDmgVals	POSTDmgFt900	float
flAnGBSPostDmgVals	POSTDmgFt950	float
flAnGBSPostDmgVals	POSTDmgFt1000	float
flAnGBSPostDmgVals	POSTDmgFt1050	float
flAnGBSPostDmgVals	POSTDmgFt1100	float
flAnGBSPostDmgVals	POSTDmgFt1150	float
flAnGBSPostDmgVals	POSTDmgFt1200	float
flAnGBSPostDmgVals	POSTDmgFt1250	float
flAnGBSPostDmgVals	POSTDmgFt1300	float
flAnGBSPostDmgVals	POSTDmgFt1350	float
flAnGBSPostDmgVals	POSTDmgFt1400	float
flAnGBSPostDmgVals	POSTDmgFt1450	float
flAnGBSPostDmgVals	POSTDmgFt1500	float
flAnGBSPostDmgVals	POSTDmgFt1550	float
flAnGBSPostDmgVals	POSTDmgFt1600	float
flAnGBSPostDmgVals	POSTDmgFt1650	float
flAnGBSPostDmgVals	POSTDmgFt1700	float
flAnGBSPostDmgVals	POSTDmgFt1750	float
flAnGBSPostDmgVals	POSTDmgFt1800	float
flAnGBSPostDmgVals	POSTDmgFt1850	float
flAnGBSPostDmgVals	POSTDmgFt1900	float
flAnGBSPostDmgVals	POSTDmgFt1950	float
flAnGBSPostDmgVals	POSTDmgFt2000	float
flAnGBSPostDmgVals	POSTDmgFt2050	float
flAnGBSPostDmgVals	POSTDmgFt2100	float
flAnGBSPostDmgVals	POSTDmgFt2150	float
flAnGBSPostDmgVals	POSTDmgFt2200	float
flAnGBSPostDmgVals	POSTDmgFt2250	float
flAnGBSPostDmgVals	POSTDmgFt2300	float
flAnGBSPostDmgVals	POSTDmgFt2350	float
flAnGBSPostDmgVals	POSTDmgFt2400	float
flAnGBSPostDmgVals	POSTDmgCAFt00	float
flAnGBSPostDmgVals	POSTDmgCAFt50	float
flAnGBSPostDmgVals	POSTDmgCAFt100	float
flAnGBSPostDmgVals	POSTDmgCAFt150	float
flAnGBSPostDmgVals	POSTDmgCAFt200	float
flAnGBSPostDmgVals	POSTDmgCAFt250	float
flAnGBSPostDmgVals	POSTDmgCAFt300	float
flAnGBSPostDmgVals	POSTDmgCAFt350	float
flAnGBSPostDmgVals	POSTDmgCAFt400	float
flAnGBSPostDmgVals	POSTDmgCAFt450	float
flAnGBSPostDmgVals	POSTDmgCAFt500	float
flAnGBSPostDmgVals	POSTDmgCAFt550	float
flAnGBSPostDmgVals	POSTDmgCAFt600	float
flAnGBSPostDmgVals	POSTDmgCAFt650	float
flAnGBSPostDmgVals	POSTDmgCAFt700	float
flAnGBSPostDmgVals	POSTDmgCAFt750	float
flAnGBSPostDmgVals	POSTDmgCAFt800	float
flAnGBSPostDmgVals	POSTDmgCAFt850	float
flAnGBSPostDmgVals	POSTDmgCAFt900	float
flAnGBSPostDmgVals	POSTDmgCAFt950	float
flAnGBSPostDmgVals	POSTDmgCAFt1000	float
flAnGBSPostDmgVals	POSTDmgCAFt1050	float
flAnGBSPostDmgVals	POSTDmgCAFt1100	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSPostDmgVals	POSTDmgCAFt1150	float
flAnGBSPostDmgVals	POSTDmgCAFt1200	float
flAnGBSPostDmgVals	POSTDmgCAFt1250	float
flAnGBSPostDmgVals	POSTDmgCAFt1300	float
flAnGBSPostDmgVals	POSTDmgCAFt1350	float
flAnGBSPostDmgVals	POSTDmgCAFt1400	float
flAnGBSPostDmgVals	POSTDmgCAFt1450	float
flAnGBSPostDmgVals	POSTDmgCAFt1500	float
flAnGBSPostDmgVals	POSTDmgCAFt1550	float
flAnGBSPostDmgVals	POSTDmgCAFt1600	float
flAnGBSPostDmgVals	POSTDmgCAFt1650	float
flAnGBSPostDmgVals	POSTDmgCAFt1700	float
flAnGBSPostDmgVals	POSTDmgCAFt1750	float
flAnGBSPostDmgVals	POSTDmgCAFt1800	float
flAnGBSPostDmgVals	POSTDmgCAFt1850	float
flAnGBSPostDmgVals	POSTDmgCAFt1900	float
flAnGBSPostDmgVals	POSTDmgCAFt1950	float
flAnGBSPostDmgVals	POSTDmgCAFt2000	float
flAnGBSPostDmgVals	POSTDmgCAFt2050	float
flAnGBSPostDmgVals	POSTDmgCAFt2100	float
flAnGBSPostDmgVals	POSTDmgCAFt2150	float
flAnGBSPostDmgVals	POSTDmgCAFt2200	float
flAnGBSPostDmgVals	POSTDmgCAFt2250	float
flAnGBSPostDmgVals	POSTDmgCAFt2300	float
flAnGBSPostDmgVals	POSTDmgCAFt2350	float
flAnGBSPostDmgVals	POSTDmgCAFt2400	float
flAnGBSPostDmgVals	POSTDmgCVFt00	float
flAnGBSPostDmgVals	POSTDmgCVFt50	float
flAnGBSPostDmgVals	POSTDmgCVFt100	float
flAnGBSPostDmgVals	POSTDmgCVFt150	float
flAnGBSPostDmgVals	POSTDmgCVFt200	float
flAnGBSPostDmgVals	POSTDmgCVFt250	float
flAnGBSPostDmgVals	POSTDmgCVFt300	float
flAnGBSPostDmgVals	POSTDmgCVFt350	float
flAnGBSPostDmgVals	POSTDmgCVFt400	float
flAnGBSPostDmgVals	POSTDmgCVFt450	float
flAnGBSPostDmgVals	POSTDmgCVFt500	float
flAnGBSPostDmgVals	POSTDmgCVFt550	float
flAnGBSPostDmgVals	POSTDmgCVFt600	float
flAnGBSPostDmgVals	POSTDmgCVFt650	float
flAnGBSPostDmgVals	POSTDmgCVFt700	float
flAnGBSPostDmgVals	POSTDmgCVFt750	float
flAnGBSPostDmgVals	POSTDmgCVFt800	float
flAnGBSPostDmgVals	POSTDmgCVFt850	float
flAnGBSPostDmgVals	POSTDmgCVFt900	float
flAnGBSPostDmgVals	POSTDmgCVFt950	float
flAnGBSPostDmgVals	POSTDmgCVFt1000	float
flAnGBSPostDmgVals	POSTDmgCVFt1050	float
flAnGBSPostDmgVals	POSTDmgCVFt1100	float
flAnGBSPostDmgVals	POSTDmgCVFt1150	float
flAnGBSPostDmgVals	POSTDmgCVFt1200	float
flAnGBSPostDmgVals	POSTDmgCVFt1250	float
flAnGBSPostDmgVals	POSTDmgCVFt1300	float
flAnGBSPostDmgVals	POSTDmgCVFt1350	float
flAnGBSPostDmgVals	POSTDmgCVFt1400	float
flAnGBSPostDmgVals	POSTDmgCVFt1450	float
flAnGBSPostDmgVals	POSTDmgCVFt1500	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSPostDmgVals	POSTDmgCVFt1550	float
flAnGBSPostDmgVals	POSTDmgCVFt1600	float
flAnGBSPostDmgVals	POSTDmgCVFt1650	float
flAnGBSPostDmgVals	POSTDmgCVFt1700	float
flAnGBSPostDmgVals	POSTDmgCVFt1750	float
flAnGBSPostDmgVals	POSTDmgCVFt1800	float
flAnGBSPostDmgVals	POSTDmgCVFt1850	float
flAnGBSPostDmgVals	POSTDmgCVFt1900	float
flAnGBSPostDmgVals	POSTDmgCVFt1950	float
flAnGBSPostDmgVals	POSTDmgCVFt2000	float
flAnGBSPostDmgVals	POSTDmgCVFt2050	float
flAnGBSPostDmgVals	POSTDmgCVFt2100	float
flAnGBSPostDmgVals	POSTDmgCVFt2150	float
flAnGBSPostDmgVals	POSTDmgCVFt2200	float
flAnGBSPostDmgVals	POSTDmgCVFt2250	float
flAnGBSPostDmgVals	POSTDmgCVFt2300	float
flAnGBSPostDmgVals	POSTDmgCVFt2350	float
flAnGBSPostDmgVals	POSTDmgCVFt2400	float
flAnGBSPostDmgVals	DmgFt00	float
flAnGBSPostDmgVals	DmgFt50	float
flAnGBSPostDmgVals	DmgFt100	float
flAnGBSPostDmgVals	DmgFt150	float
flAnGBSPostDmgVals	DmgFt200	float
flAnGBSPostDmgVals	DmgFt250	float
flAnGBSPostDmgVals	DmgFt300	float
flAnGBSPostDmgVals	DmgFt350	float
flAnGBSPostDmgVals	DmgFt400	float
flAnGBSPostDmgVals	DmgFt450	float
flAnGBSPostDmgVals	DmgFt500	float
flAnGBSPostDmgVals	DmgFt550	float
flAnGBSPostDmgVals	DmgFt600	float
flAnGBSPostDmgVals	DmgFt650	float
flAnGBSPostDmgVals	DmgFt700	float
flAnGBSPostDmgVals	DmgFt750	float
flAnGBSPostDmgVals	DmgFt800	float
flAnGBSPostDmgVals	DmgFt850	float
flAnGBSPostDmgVals	DmgFt900	float
flAnGBSPostDmgVals	DmgFt950	float
flAnGBSPostDmgVals	DmgFt1000	float
flAnGBSPostDmgVals	DmgFt1050	float
flAnGBSPostDmgVals	DmgFt1100	float
flAnGBSPostDmgVals	DmgFt1150	float
flAnGBSPostDmgVals	DmgFt1200	float
flAnGBSPostDmgVals	DmgFt1250	float
flAnGBSPostDmgVals	DmgFt1300	float
flAnGBSPostDmgVals	DmgFt1350	float
flAnGBSPostDmgVals	DmgFt1400	float
flAnGBSPostDmgVals	DmgFt1450	float
flAnGBSPostDmgVals	DmgFt1500	float
flAnGBSPostDmgVals	DmgFt1550	float
flAnGBSPostDmgVals	DmgFt1600	float
flAnGBSPostDmgVals	DmgFt1650	float
flAnGBSPostDmgVals	DmgFt1700	float
flAnGBSPostDmgVals	DmgFt1750	float
flAnGBSPostDmgVals	DmgFt1800	float
flAnGBSPostDmgVals	DmgFt1850	float
flAnGBSPostDmgVals	DmgFt1900	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSPostDmgVals	DmgFt1950	float
flAnGBSPostDmgVals	DmgFt2000	float
flAnGBSPostDmgVals	DmgFt2050	float
flAnGBSPostDmgVals	DmgFt2100	float
flAnGBSPostDmgVals	DmgFt2150	float
flAnGBSPostDmgVals	DmgFt2200	float
flAnGBSPostDmgVals	DmgFt2250	float
flAnGBSPostDmgVals	DmgFt2300	float
flAnGBSPostDmgVals	DmgFt2350	float
flAnGBSPostDmgVals	DmgFt2400	float
flAnGBSPostDmgVals	Ipy	float
flAnGBSPostDmgVals	Ipd	float
flAnGBSPostDmgVals	wd	float
flAnGBSPostDmgVals	es	float
flAnGBSPostDmgVals	os	float
flAnGBSPostDmgVals	rpm	float
flAnGBSPostDmgVals	rpd	float
flAnGBSPostDmgVals	ds	float
flAnGBSPostDmgVals	po	float
flAnGBSPostDmgVals	als	float
flAnGBSPostDmgVals	bis	float
flAnGBSPostDmgVals	inf	float
flAnGBSPostDmgVals	pwr	float
flAnGBSPostDmgVals	per	float
flAnGBSPostDmgVals	pir	float
flAnGBSPostDmgVals	por	float
flAnGBSCombinedDmgPreCont	StudyCaseId	int
flAnGBSCombinedDmgPreCont	CensusBlock	varchar(15)
flAnGBSCombinedDmgPreCont	ReturnPeriodID	varchar(6)
flAnGBSCombinedDmgPreCont	AnalysisOptId	int
flAnGBSCombinedDmgPreCont	BlockType	char(1)
flAnGBSCombinedDmgPreCont	ControlHazard	char
flAnGBSCombinedDmgPreCont	CoastalZone	char(2)
flAnGBSCombinedDmgPreCont	SOccup	char(5)
flAnGBSCombinedDmgPreCont	PctSOccupId	varchar(6)
flAnGBSCombinedDmgPreCont	FoundationType	char(10)
flAnGBSCombinedDmgPreCont	PREContDmgFt00	float
flAnGBSCombinedDmgPreCont	PREContDmgFt50	float
flAnGBSCombinedDmgPreCont	PREContDmgFt100	float
flAnGBSCombinedDmgPreCont	PREContDmgFt150	float
flAnGBSCombinedDmgPreCont	PREContDmgFt200	float
flAnGBSCombinedDmgPreCont	PREContDmgFt250	float
flAnGBSCombinedDmgPreCont	PREContDmgFt300	float
flAnGBSCombinedDmgPreCont	PREContDmgFt350	float
flAnGBSCombinedDmgPreCont	PREContDmgFt400	float
flAnGBSCombinedDmgPreCont	PREContDmgFt450	float
flAnGBSCombinedDmgPreCont	PREContDmgFt500	float
flAnGBSCombinedDmgPreCont	PREContDmgFt550	float
flAnGBSCombinedDmgPreCont	PREContDmgFt600	float
flAnGBSCombinedDmgPreCont	PREContDmgFt650	float
flAnGBSCombinedDmgPreCont	PREContDmgFt700	float
flAnGBSCombinedDmgPreCont	PREContDmgFt750	float
flAnGBSCombinedDmgPreCont	PREContDmgFt800	float
flAnGBSCombinedDmgPreCont	PREContDmgFt850	float
flAnGBSCombinedDmgPreCont	PREContDmgFt900	float
flAnGBSCombinedDmgPreCont	PREContDmgFt950	float
flAnGBSCombinedDmgPreCont	PREContDmgFt1000	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSCombinedDmgPreCont	PREContDmgFt1050	float
flAnGBSCombinedDmgPreCont	PREContDmgFt1100	float
flAnGBSCombinedDmgPreCont	PREContDmgFt1150	float
flAnGBSCombinedDmgPreCont	PREContDmgFt1200	float
flAnGBSCombinedDmgPreCont	PREContDmgFt1250	float
flAnGBSCombinedDmgPreCont	PREContDmgFt1300	float
flAnGBSCombinedDmgPreCont	PREContDmgFt1350	float
flAnGBSCombinedDmgPreCont	PREContDmgFt1400	float
flAnGBSCombinedDmgPreCont	PREContDmgFt1450	float
flAnGBSCombinedDmgPreCont	PREContDmgFt1500	float
flAnGBSCombinedDmgPreCont	PREContDmgFt1550	float
flAnGBSCombinedDmgPreCont	PREContDmgFt1600	float
flAnGBSCombinedDmgPreCont	PREContDmgFt1650	float
flAnGBSCombinedDmgPreCont	PREContDmgFt1700	float
flAnGBSCombinedDmgPreCont	PREContDmgFt1750	float
flAnGBSCombinedDmgPreCont	PREContDmgFt1800	float
flAnGBSCombinedDmgPreCont	PREContDmgFt1850	float
flAnGBSCombinedDmgPreCont	PREContDmgFt1900	float
flAnGBSCombinedDmgPreCont	PREContDmgFt1950	float
flAnGBSCombinedDmgPreCont	PREContDmgFt2000	float
flAnGBSCombinedDmgPreCont	PREContDmgFt2050	float
flAnGBSCombinedDmgPreCont	PREContDmgFt2100	float
flAnGBSCombinedDmgPreCont	PREContDmgFt2150	float
flAnGBSCombinedDmgPreCont	PREContDmgFt2200	float
flAnGBSCombinedDmgPreCont	PREContDmgFt2250	float
flAnGBSCombinedDmgPreCont	PREContDmgFt2300	float
flAnGBSCombinedDmgPreCont	PREContDmgFt2350	float
flAnGBSCombinedDmgPreCont	PREContDmgFt2400	float
flAnGBSCombinedDmgPre	StudyCaseId	int
flAnGBSCombinedDmgPre	CensusBlock	varchar(15)
flAnGBSCombinedDmgPre	ReturnPeriodID	varchar(6)
flAnGBSCombinedDmgPre	AnalysisOptId	int
flAnGBSCombinedDmgPre	BlockType	char(1)
flAnGBSCombinedDmgPre	ControlHazard	char
flAnGBSCombinedDmgPre	CoastalZone	char(2)
flAnGBSCombinedDmgPre	SOccup	char(5)
flAnGBSCombinedDmgPre	PctSOccupId	varchar(6)
flAnGBSCombinedDmgPre	FoundationType	char(10)
flAnGBSCombinedDmgPre	PREStructDmgFt00	float
flAnGBSCombinedDmgPre	PREStructDmgFt50	float
flAnGBSCombinedDmgPre	PREStructDmgFt100	float
flAnGBSCombinedDmgPre	PREStructDmgFt150	float
flAnGBSCombinedDmgPre	PREStructDmgFt200	float
flAnGBSCombinedDmgPre	PREStructDmgFt250	float
flAnGBSCombinedDmgPre	PREStructDmgFt300	float
flAnGBSCombinedDmgPre	PREStructDmgFt350	float
flAnGBSCombinedDmgPre	PREStructDmgFt400	float
flAnGBSCombinedDmgPre	PREStructDmgFt450	float
flAnGBSCombinedDmgPre	PREStructDmgFt500	float
flAnGBSCombinedDmgPre	PREStructDmgFt550	float
flAnGBSCombinedDmgPre	PREStructDmgFt600	float
flAnGBSCombinedDmgPre	PREStructDmgFt650	float
flAnGBSCombinedDmgPre	PREStructDmgFt700	float
flAnGBSCombinedDmgPre	PREStructDmgFt750	float
flAnGBSCombinedDmgPre	PREStructDmgFt800	float
flAnGBSCombinedDmgPre	PREStructDmgFt850	float
flAnGBSCombinedDmgPre	PREStructDmgFt900	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSCombinedDmgPre	PREStructDmgFt950	float
flAnGBSCombinedDmgPre	PREStructDmgFt1000	float
flAnGBSCombinedDmgPre	PREStructDmgFt1050	float
flAnGBSCombinedDmgPre	PREStructDmgFt1100	float
flAnGBSCombinedDmgPre	PREStructDmgFt1150	float
flAnGBSCombinedDmgPre	PREStructDmgFt1200	float
flAnGBSCombinedDmgPre	PREStructDmgFt1250	float
flAnGBSCombinedDmgPre	PREStructDmgFt1300	float
flAnGBSCombinedDmgPre	PREStructDmgFt1350	float
flAnGBSCombinedDmgPre	PREStructDmgFt1400	float
flAnGBSCombinedDmgPre	PREStructDmgFt1450	float
flAnGBSCombinedDmgPre	PREStructDmgFt1500	float
flAnGBSCombinedDmgPre	PREStructDmgFt1550	float
flAnGBSCombinedDmgPre	PREStructDmgFt1600	float
flAnGBSCombinedDmgPre	PREStructDmgFt1650	float
flAnGBSCombinedDmgPre	PREStructDmgFt1700	float
flAnGBSCombinedDmgPre	PREStructDmgFt1750	float
flAnGBSCombinedDmgPre	PREStructDmgFt1800	float
flAnGBSCombinedDmgPre	PREStructDmgFt1850	float
flAnGBSCombinedDmgPre	PREStructDmgFt1900	float
flAnGBSCombinedDmgPre	PREStructDmgFt1950	float
flAnGBSCombinedDmgPre	PREStructDmgFt2000	float
flAnGBSCombinedDmgPre	PREStructDmgFt2050	float
flAnGBSCombinedDmgPre	PREStructDmgFt2100	float
flAnGBSCombinedDmgPre	PREStructDmgFt2150	float
flAnGBSCombinedDmgPre	PREStructDmgFt2200	float
flAnGBSCombinedDmgPre	PREStructDmgFt2250	float
flAnGBSCombinedDmgPre	PREStructDmgFt2300	float
flAnGBSCombinedDmgPre	PREStructDmgFt2350	float
flAnGBSCombinedDmgPre	PREStructDmgFt2400	float
flAnGBSPreDmgVals	StudyCaseId	int
flAnGBSPreDmgVals	CensusBlock	varchar(15)
flAnGBSPreDmgVals	ReturnPeriodID	varchar(6)
flAnGBSPreDmgVals	AnalysisOptId	int
flAnGBSPreDmgVals	BlockType	char(1)
flAnGBSPreDmgVals	ControlHazard	char
flAnGBSPreDmgVals	CoastalZone	char(2)
flAnGBSPreDmgVals	SOccup	char(5)
flAnGBSPreDmgVals	PctSOccupId	varchar(6)
flAnGBSPreDmgVals	FoundationType	char(10)
flAnGBSPreDmgVals	PREFldFt00	int
flAnGBSPreDmgVals	PREFldFt50	dec(9)
flAnGBSPreDmgVals	PREFldFt100	int
flAnGBSPreDmgVals	PREFldFt150	dec(9)
flAnGBSPreDmgVals	PREFldFt200	int
flAnGBSPreDmgVals	PREFldFt250	dec(9)
flAnGBSPreDmgVals	PREFldFt300	int
flAnGBSPreDmgVals	PREFldFt350	dec(9)
flAnGBSPreDmgVals	PREFldFt400	int
flAnGBSPreDmgVals	PREFldFt450	dec(9)
flAnGBSPreDmgVals	PREFldFt500	int
flAnGBSPreDmgVals	PREFldFt550	dec(9)
flAnGBSPreDmgVals	PREFldFt600	int
flAnGBSPreDmgVals	PREFldFt650	dec(9)
flAnGBSPreDmgVals	PREFldFt700	int
flAnGBSPreDmgVals	PREFldFt750	dec(9)
flAnGBSPreDmgVals	PREFldFt800	int

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSPreDmgVals	PREFldFt850	dec(9)
flAnGBSPreDmgVals	PREFldFt900	int
flAnGBSPreDmgVals	PREFldFt950	dec(9)
flAnGBSPreDmgVals	PREFldFt1000	int
flAnGBSPreDmgVals	PREFldFt1050	dec(9)
flAnGBSPreDmgVals	PREFldFt1100	int
flAnGBSPreDmgVals	PREFldFt1150	dec(9)
flAnGBSPreDmgVals	PREFldFt1200	int
flAnGBSPreDmgVals	PREFldFt1250	dec(9)
flAnGBSPreDmgVals	PREFldFt1300	int
flAnGBSPreDmgVals	PREFldFt1350	dec(9)
flAnGBSPreDmgVals	PREFldFt1400	int
flAnGBSPreDmgVals	PREFldFt1450	dec(9)
flAnGBSPreDmgVals	PREFldFt1500	int
flAnGBSPreDmgVals	PREFldFt1550	dec(9)
flAnGBSPreDmgVals	PREFldFt1600	int
flAnGBSPreDmgVals	PREFldFt1650	dec(9)
flAnGBSPreDmgVals	PREFldFt1700	int
flAnGBSPreDmgVals	PREFldFt1750	dec(9)
flAnGBSPreDmgVals	PREFldFt1800	int
flAnGBSPreDmgVals	PREFldFt1850	dec(9)
flAnGBSPreDmgVals	PREFldFt1900	int
flAnGBSPreDmgVals	PREFldFt1950	dec(9)
flAnGBSPreDmgVals	PREFldFt2000	int
flAnGBSPreDmgVals	PREFldFt2050	dec(9)
flAnGBSPreDmgVals	PREFldFt2100	int
flAnGBSPreDmgVals	PREFldFt2150	dec(9)
flAnGBSPreDmgVals	PREFldFt2200	int
flAnGBSPreDmgVals	PREFldFt2250	dec(9)
flAnGBSPreDmgVals	PREFldFt2300	int
flAnGBSPreDmgVals	PREFldFt2350	dec(9)
flAnGBSPreDmgVals	PREFldFt2400	int
flAnGBSPreDmgVals	PREDmgFt00	float
flAnGBSPreDmgVals	PREDmgFt50	float
flAnGBSPreDmgVals	PREDmgFt100	float
flAnGBSPreDmgVals	PREDmgFt150	float
flAnGBSPreDmgVals	PREDmgFt200	float
flAnGBSPreDmgVals	PREDmgFt250	float
flAnGBSPreDmgVals	PREDmgFt300	float
flAnGBSPreDmgVals	PREDmgFt350	float
flAnGBSPreDmgVals	PREDmgFt400	float
flAnGBSPreDmgVals	PREDmgFt450	float
flAnGBSPreDmgVals	PREDmgFt500	float
flAnGBSPreDmgVals	PREDmgFt550	float
flAnGBSPreDmgVals	PREDmgFt600	float
flAnGBSPreDmgVals	PREDmgFt650	float
flAnGBSPreDmgVals	PREDmgFt700	float
flAnGBSPreDmgVals	PREDmgFt750	float
flAnGBSPreDmgVals	PREDmgFt800	float
flAnGBSPreDmgVals	PREDmgFt850	float
flAnGBSPreDmgVals	PREDmgFt900	float
flAnGBSPreDmgVals	PREDmgFt950	float
flAnGBSPreDmgVals	PREDmgFt1000	float
flAnGBSPreDmgVals	PREDmgFt1050	float
flAnGBSPreDmgVals	PREDmgFt1100	float
flAnGBSPreDmgVals	PREDmgFt1150	float
flAnGBSPreDmgVals	PREDmgFt1200	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSPreDmgVals	PREDmgFt1250	float
flAnGBSPreDmgVals	PREDmgFt1300	float
flAnGBSPreDmgVals	PREDmgFt1350	float
flAnGBSPreDmgVals	PREDmgFt1400	float
flAnGBSPreDmgVals	PREDmgFt1450	float
flAnGBSPreDmgVals	PREDmgFt1500	float
flAnGBSPreDmgVals	PREDmgFt1550	float
flAnGBSPreDmgVals	PREDmgFt1600	float
flAnGBSPreDmgVals	PREDmgFt1650	float
flAnGBSPreDmgVals	PREDmgFt1700	float
flAnGBSPreDmgVals	PREDmgFt1750	float
flAnGBSPreDmgVals	PREDmgFt1800	float
flAnGBSPreDmgVals	PREDmgFt1850	float
flAnGBSPreDmgVals	PREDmgFt1900	float
flAnGBSPreDmgVals	PREDmgFt1950	float
flAnGBSPreDmgVals	PREDmgFt2000	float
flAnGBSPreDmgVals	PREDmgFt2050	float
flAnGBSPreDmgVals	PREDmgFt2100	float
flAnGBSPreDmgVals	PREDmgFt2150	float
flAnGBSPreDmgVals	PREDmgFt2200	float
flAnGBSPreDmgVals	PREDmgFt2250	float
flAnGBSPreDmgVals	PREDmgFt2300	float
flAnGBSPreDmgVals	PREDmgFt2350	float
flAnGBSPreDmgVals	PREDmgFt2400	float
flAnGBSPreDmgVals	DmgFt00	float
flAnGBSPreDmgVals	DmgFt50	float
flAnGBSPreDmgVals	DmgFt100	float
flAnGBSPreDmgVals	DmgFt150	float
flAnGBSPreDmgVals	DmgFt200	float
flAnGBSPreDmgVals	DmgFt250	float
flAnGBSPreDmgVals	DmgFt300	float
flAnGBSPreDmgVals	DmgFt350	float
flAnGBSPreDmgVals	DmgFt400	float
flAnGBSPreDmgVals	DmgFt450	float
flAnGBSPreDmgVals	DmgFt500	float
flAnGBSPreDmgVals	DmgFt550	float
flAnGBSPreDmgVals	DmgFt600	float
flAnGBSPreDmgVals	DmgFt650	float
flAnGBSPreDmgVals	DmgFt700	float
flAnGBSPreDmgVals	DmgFt750	float
flAnGBSPreDmgVals	DmgFt800	float
flAnGBSPreDmgVals	DmgFt850	float
flAnGBSPreDmgVals	DmgFt900	float
flAnGBSPreDmgVals	DmgFt950	float
flAnGBSPreDmgVals	DmgFt1000	float
flAnGBSPreDmgVals	DmgFt1050	float
flAnGBSPreDmgVals	DmgFt1100	float
flAnGBSPreDmgVals	DmgFt1150	float
flAnGBSPreDmgVals	DmgFt1200	float
flAnGBSPreDmgVals	DmgFt1250	float
flAnGBSPreDmgVals	DmgFt1300	float
flAnGBSPreDmgVals	DmgFt1350	float
flAnGBSPreDmgVals	DmgFt1400	float
flAnGBSPreDmgVals	DmgFt1450	float
flAnGBSPreDmgVals	DmgFt1500	float
flAnGBSPreDmgVals	DmgFt1550	float
flAnGBSPreDmgVals	DmgFt1600	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSPreDmgVals	DmgFt1650	float
flAnGBSPreDmgVals	DmgFt1700	float
flAnGBSPreDmgVals	DmgFt1750	float
flAnGBSPreDmgVals	DmgFt1800	float
flAnGBSPreDmgVals	DmgFt1850	float
flAnGBSPreDmgVals	DmgFt1900	float
flAnGBSPreDmgVals	DmgFt1950	float
flAnGBSPreDmgVals	DmgFt2000	float
flAnGBSPreDmgVals	DmgFt2050	float
flAnGBSPreDmgVals	DmgFt2100	float
flAnGBSPreDmgVals	DmgFt2150	float
flAnGBSPreDmgVals	DmgFt2200	float
flAnGBSPreDmgVals	DmgFt2250	float
flAnGBSPreDmgVals	DmgFt2300	float
flAnGBSPreDmgVals	DmgFt2350	float
flAnGBSPreDmgVals	DmgFt2400	float
flAnGBSPreDmgVals	Ipy	float
flAnGBSPreDmgVals	Ipd	float
flAnGBSPreDmgVals	wd	float
flAnGBSPreDmgVals	es	float
flAnGBSPreDmgVals	os	float
flAnGBSPreDmgVals	rpm	float
flAnGBSPreDmgVals	rpd	float
flAnGBSPreDmgVals	ds	float
flAnGBSPreDmgVals	po	float
flAnGBSPreDmgVals	als	float
flAnGBSPreDmgVals	bis	float
flAnGBSPreDmgVals	inf	float
flAnGBSPreDmgVals	pwr	float
flAnGBSPreDmgVals	per	float
flAnGBSPreDmgVals	pir	float
flAnGBSPreDmgVals	por	float
flAnGBSPreDmgVals	StudyCaseId	int
flAnGBSPreDmgVals	CensusBlock	varchar(15)
flAnGBSPreDmgVals	ReturnPeriodID	varchar(6)
flAnGBSPreDmgVals	AnalysisOptId	int
flAnGBSPreDmgVals	BlockType	char(1)
flAnGBSPreDmgVals	ControlHazard	char
flAnGBSSchemeSOccup	StudyCaseId	int
flAnGBSSchemeSOccup	CensusBlock	varchar(15)
flAnGBSSchemeSOccup	ReturnPeriodID	varchar(6)
flAnGBSSchemeSOccup	AnalysisOptId	int
flAnGBSSchemeSOccup	SchemeId	varchar(10)
flAnGBSSchemeSOccup	PctSOccup	varchar(6)
flAnGBSSchemeSOccup	PctName	varchar(4)
flAnGBSSchemeSOccup	PctVal	tinyint
flAnGBSSchemeSOccup	BlockType	char
flAnGBSSchemeSOccup	ControlHazard	char(1)
flAnGBSSchemeSOccup	CoastalZone	char(2)
flAnGBSSchemeSOccup	PreFirmPercentage	float
flAnGBSSchemeSOccup	PostFirmPercentage	float
flAnGBSSchemeSOccupCLR	SOccup	char(5)
flAnGBSSchemeSOccupCLR	FoundationType	char(10)
flAnGBSSchemeSOccupCLR	PreFirmDist	int
flAnGBSSchemeSOccupCLR	PreFirmHt	int
flAnGBSSchemeSOccupCLR	PostFirmDist	int
flAnGBSSchemeSOccupCLR	PostFirmHt	int

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSSchemeSOccupCLR	PostFirmDistAZone	int
flAnGBSSchemeSOccupCLR	PostFirmHtAZone	int
flAnGBSSchemeSOccupCLR	PostFirmDistVZone	int
flAnGBSSchemeSOccupCLR	PostFirmHtVZone	int
flAnGBSSchemeSOccupCLR	StudyCaseId	int
flAnGBSSchemeSOccupCLR	CensusBlock	varchar(15)
flAnGBSSchemeSOccupCLR	ReturnPeriodID	varchar(6)
flAnGBSSchemeSOccupCLR	AnalysisOptId	int
flAnGBSSchemeSOccupCLR	SchemeId	varchar(10)
flAnGBSSchemeSOccupCLR	PctSOccup	varchar(6)
flAnGBSSchemeSOccupCLR	PctName	varchar(4)
flAnGBSSchemeSOccupCLR	PctVal	tinyint
flAnGBSSchemeSOccupCLR	BlockType	char(1)
flAnGBSSchemeSOccupCLR	ControlHazard	char(1)
flAnGBSSchemeSOccupCLR	CoastalZone	char(2)
flAnGBSSchemeSOccupCLR	PreFirmPercentage	float
flAnGBSSchemeSOccupCLR	PostFirmPercentage	float
flAnGBSYearBuilt	StudyCaseID	int
flAnGBSYearBuilt	CensusBlock	varchar(15)
flAnGBSYearBuilt	ReturnPeriodID	varchar(6)
flAnGBSYearBuilt	ControllingHazard	varchar(1)
flAnGBSYearBuilt	CoastalZone	char(2)
flAnGBSYearBuilt	ft00	float
flAnGBSYearBuilt	ft50	float
flAnGBSYearBuilt	ft100	float
flAnGBSYearBuilt	ft150	float
flAnGBSYearBuilt	ft200	float
flAnGBSYearBuilt	ft250	float
flAnGBSYearBuilt	ft300	float
flAnGBSYearBuilt	ft350	float
flAnGBSYearBuilt	ft400	float
flAnGBSYearBuilt	ft450	float
flAnGBSYearBuilt	ft500	float
flAnGBSYearBuilt	ft550	float
flAnGBSYearBuilt	ft600	float
flAnGBSYearBuilt	ft650	float
flAnGBSYearBuilt	Ft700	float
flAnGBSYearBuilt	Ft750	float
flAnGBSYearBuilt	Ft800	float
flAnGBSYearBuilt	Ft850	float
flAnGBSYearBuilt	Ft900	float
flAnGBSYearBuilt	Ft950	float
flAnGBSYearBuilt	Ft1000	float
flAnGBSYearBuilt	Ft1050	float
flAnGBSYearBuilt	Ft1100	float
flAnGBSYearBuilt	ft1150	float
flAnGBSYearBuilt	ft1200	float
flAnGBSYearBuilt	ft1250	float
flAnGBSYearBuilt	ft1300	float
flAnGBSYearBuilt	ft1350	float
flAnGBSYearBuilt	ft1400	float
flAnGBSYearBuilt	ft1450	float
flAnGBSYearBuilt	ft1500	float
flAnGBSYearBuilt	ft1550	float
flAnGBSYearBuilt	ft1600	float
flAnGBSYearBuilt	ft1650	float
flAnGBSYearBuilt	ft1700	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSYearBuilt	ft1750	float
flAnGBSYearBuilt	ft1800	float
flAnGBSYearBuilt	ft1850	float
flAnGBSYearBuilt	ft1900	float
flAnGBSYearBuilt	ft1950	float
flAnGBSYearBuilt	ft2000	float
flAnGBSYearBuilt	ft2050	float
flAnGBSYearBuilt	ft2100	float
flAnGBSYearBuilt	ft2150	float
flAnGBSYearBuilt	ft2200	float
flAnGBSYearBuilt	ft2250	float
flAnGBSYearBuilt	ft2300	float
flAnGBSYearBuilt	ft2350	float
flAnGBSYearBuilt	ft2400	float
flAnGBSYearBuilt	AnalysisOptId	int
flAnGBSYearBuilt	EntryDate	smallint
flAnGBSYearBuilt	SchemeId	varchar(10)
flAnGBSYearBuilt	BuiltOnAfterYear	int
flAnGBSYearBuilt	BuiltOnBeforeYear	int
flAnGBSYearBuilt	Total	int
flAnGBSYearBuiltReduced	StudyCaseID	int
flAnGBSYearBuiltReduced	CensusBlock	varchar(15)
flAnGBSYearBuiltReduced	ReturnPeriodID	varchar(6)
flAnGBSYearBuiltReduced	BlockType	varchar(1)
flAnGBSYearBuiltReduced	AnalysisOptId	int
flAnGBSYearBuiltReduced	CoastalZone	char(2)
flAnGBSYearBuiltReduced	ControllingHazard	char(1)
flAnGBSYearBuiltReduced	DmgFt00	float
flAnGBSYearBuiltReduced	DmgFt50	float
flAnGBSYearBuiltReduced	DmgFt100	float
flAnGBSYearBuiltReduced	DmgFt150	float
flAnGBSYearBuiltReduced	DmgFt200	float
flAnGBSYearBuiltReduced	DmgFt250	float
flAnGBSYearBuiltReduced	DmgFt300	float
flAnGBSYearBuiltReduced	DmgFt350	float
flAnGBSYearBuiltReduced	DmgFt400	float
flAnGBSYearBuiltReduced	DmgFt450	float
flAnGBSYearBuiltReduced	DmgFt500	float
flAnGBSYearBuiltReduced	DmgFt550	float
flAnGBSYearBuiltReduced	DmgFt600	float
flAnGBSYearBuiltReduced	DmgFt650	float
flAnGBSYearBuiltReduced	DmgFt700	float
flAnGBSYearBuiltReduced	DmgFt750	float
flAnGBSYearBuiltReduced	DmgFt800	float
flAnGBSYearBuiltReduced	DmgFt850	float
flAnGBSYearBuiltReduced	DmgFt900	float
flAnGBSYearBuiltReduced	DmgFt950	float
flAnGBSYearBuiltReduced	DmgFt1000	float
flAnGBSYearBuiltReduced	DmgFt1050	float
flAnGBSYearBuiltReduced	DmgFt1100	float
flAnGBSYearBuiltReduced	DmgFt1150	float
flAnGBSYearBuiltReduced	DmgFt1200	float
flAnGBSYearBuiltReduced	DmgFt1250	float
flAnGBSYearBuiltReduced	DmgFt1300	float
flAnGBSYearBuiltReduced	DmgFt1350	float
flAnGBSYearBuiltReduced	DmgFt1400	float
flAnGBSYearBuiltReduced	DmgFt1450	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSYearBuiltReduced	DmgFt1500	float
flAnGBSYearBuiltReduced	DmgFt1550	float
flAnGBSYearBuiltReduced	DmgFt1600	float
flAnGBSYearBuiltReduced	DmgFt1650	float
flAnGBSYearBuiltReduced	DmgFt1700	float
flAnGBSYearBuiltReduced	DmgFt1750	float
flAnGBSYearBuiltReduced	DmgFt1800	float
flAnGBSYearBuiltReduced	DmgFt1850	float
flAnGBSYearBuiltReduced	DmgFt1900	float
flAnGBSYearBuiltReduced	DmgFt1950	float
flAnGBSYearBuiltReduced	DmgFt2000	float
flAnGBSYearBuiltReduced	DmgFt2050	float
flAnGBSYearBuiltReduced	DmgFt2100	float
flAnGBSYearBuiltReduced	DmgFt2150	float
flAnGBSYearBuiltReduced	DmgFt2200	float
flAnGBSYearBuiltReduced	DmgFt2250	float
flAnGBSYearBuiltReduced	DmgFt2300	float
flAnGBSYearBuiltReduced	DmgFt2350	float
flAnGBSYearBuiltReduced	DmgFt2400	float
flAnDebrisPreDmg	PREFldFt150	dec(9)
flAnDebrisPreDmg	PREFldFt200	int
flAnDebrisPreDmg	PREFldFt250	dec(9)
flAnDebrisPreDmg	PREFldFt300	int
flAnDebrisPreDmg	PREFldFt350	dec(9)
flAnDebrisPreDmg	PREFldFt400	int
flAnDebrisPreDmg	PREFldFt450	dec(9)
flAnDebrisPreDmg	PREFldFt500	int
flAnDebrisPreDmg	PREFldFt550	dec(9)
flAnDebrisPreDmg	PREFldFt600	int
flAnDebrisPreDmg	PREFldFt650	dec(9)
flAnDebrisPreDmg	PREFldFt700	int
flAnDebrisPreDmg	PREFldFt750	dec(9)
flAnDebrisPreDmg	PREFldFt800	int
flAnDebrisPreDmg	PREFldFt850	dec(9)
flAnDebrisPreDmg	PREFldFt900	int
flAnDebrisPreDmg	PREFldFt950	dec(9)
flAnDebrisPreDmg	PREFldFt1000	int
flAnDebrisPreDmg	PREFldFt1050	dec(9)
flAnDebrisPreDmg	PREFldFt1100	int
flAnDebrisPreDmg	PREFldFt1150	dec(9)
flAnDebrisPreDmg	PREFldFt1200	int
flAnDebrisPreDmg	PREFldFt1250	dec(9)
flAnDebrisPreDmg	PREFldFt1300	int
flAnDebrisPreDmg	PREFldFt1350	dec(9)
flAnDebrisPreDmg	PREFldFt1400	int
flAnDebrisPreDmg	PREFldFt1450	dec(9)
flAnDebrisPreDmg	PREFldFt1500	int
flAnDebrisPreDmg	PREFldFt1550	dec(9)
flAnDebrisPreDmg	PREFldFt1600	int
flAnDebrisPreDmg	PREFldFt1650	dec(9)
flAnDebrisPreDmg	PREFldFt1700	int
flAnDebrisPreDmg	PREFldFt1750	dec(9)
flAnDebrisPreDmg	PREFldFt1800	int
flAnDebrisPreDmg	PREFldFt1850	dec(9)
flAnDebrisPreDmg	PREFldFt1900	int
flAnDebrisPreDmg	PREFldFt1950	dec(9)
flAnDebrisPreDmg	PREFldFt2000	int

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnDebrisPreDmg	PREFldFt2050	dec(9)
flAnDebrisPreDmg	PREFldFt2100	int
flAnDebrisPreDmg	PREFldFt2150	dec(9)
flAnDebrisPreDmg	PREFldFt2200	int
flAnDebrisPreDmg	PREFldFt2250	dec(9)
flAnDebrisPreDmg	PREFldFt2300	int
flAnDebrisPreDmg	PREFldFt2350	dec(9)
flAnDebrisPreDmg	PREFldFt2400	int
flAnDebrisPreDmg	PREDmgFt00	float
flAnDebrisPreDmg	PREDmgFt50	float
flAnDebrisPreDmg	PREDmgFt100	float
flAnDebrisPreDmg	PREDmgFt150	float
flAnDebrisPreDmg	PREDmgFt200	float
flAnDebrisPreDmg	PREDmgFt250	float
flAnDebrisPreDmg	PREDmgFt300	float
flAnDebrisPreDmg	PREDmgFt350	float
flAnDebrisPreDmg	PREDmgFt400	float
flAnDebrisPreDmg	PREDmgFt450	float
flAnDebrisPreDmg	PREDmgFt500	float
flAnDebrisPreDmg	PREDmgFt550	float
flAnDebrisPreDmg	PREDmgFt600	float
flAnDebrisPreDmg	PREDmgFt650	float
flAnDebrisPreDmg	PREDmgFt700	float
flAnDebrisPreDmg	PREDmgFt750	float
flAnDebrisPreDmg	PREDmgFt800	float
flAnDebrisPreDmg	PREDmgFt850	float
flAnDebrisPreDmg	PREDmgFt900	float
flAnDebrisPreDmg	PREDmgFt950	float
flAnDebrisPreDmg	PREDmgFt1000	float
flAnDebrisPreDmg	PREDmgFt1050	float
flAnDebrisPreDmg	PREDmgFt1100	float
flAnDebrisPreDmg	PREDmgFt1150	float
flAnDebrisPreDmg	PREDmgFt1200	float
flAnDebrisPreDmg	PREDmgFt1250	float
flAnDebrisPreDmg	PREDmgFt1300	float
flAnDebrisPreDmg	PREDmgFt1350	float
flAnDebrisPreDmg	PREDmgFt1400	float
flAnDebrisPreDmg	PREDmgFt1450	float
flAnDebrisPreDmg	PREDmgFt1500	float
flAnDebrisPreDmg	PREDmgFt1550	float
flAnDebrisPreDmg	PREDmgFt1600	float
flAnDebrisPreDmg	PREDmgFt1650	float
flAnDebrisPreDmg	PREDmgFt1700	float
flAnDebrisPreDmg	PREDmgFt1750	float
flAnDebrisPreDmg	PREDmgFt1800	float
flAnDebrisPreDmg	PREDmgFt1850	float
flAnDebrisPreDmg	PREDmgFt1900	float
flAnDebrisPreDmg	PREDmgFt1950	float
flAnDebrisPreDmg	PREDmgFt2000	float
flAnDebrisPreDmg	PREDmgFt2050	float
flAnDebrisPreDmg	PREDmgFt2100	float
flAnDebrisPreDmg	PREDmgFt2150	float
flAnDebrisPreDmg	PREDmgFt2200	float
flAnDebrisPreDmg	PREDmgFt2250	float
flAnDebrisPreDmg	PREDmgFt2300	float
flAnDebrisPreDmg	PREDmgFt2350	float
flAnDebrisPreDmg	PREDmgFt2400	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnDebrisPreDmg	DmgFt00	float
flAnDebrisPreDmg	DmgFt50	float
flAnDebrisPreDmg	DmgFt100	float
flAnDebrisPreDmg	DmgFt150	float
flAnDebrisPreDmg	DmgFt200	float
flAnDebrisPreDmg	DmgFt250	float
flAnDebrisPreDmg	DmgFt300	float
flAnDebrisPreDmg	DmgFt350	float
flAnDebrisPreDmg	DmgFt400	float
flAnDebrisPreDmg	DmgFt450	float
flAnDebrisPreDmg	DmgFt500	float
flAnDebrisPreDmg	DmgFt550	float
flAnDebrisPreDmg	DmgFt600	float
flAnDebrisPreDmg	DmgFt650	float
flAnDebrisPreDmg	DmgFt700	float
flAnDebrisPreDmg	DmgFt750	float
flAnDebrisPreDmg	DmgFt800	float
flAnDebrisPreDmg	DmgFt850	float
flAnDebrisPreDmg	DmgFt900	float
flAnDebrisPreDmg	DmgFt950	float
flAnDebrisPreDmg	DmgFt1000	float
flAnDebrisPreDmg	DmgFt1050	float
flAnDebrisPreDmg	DmgFt1100	float
flAnDebrisPreDmg	DmgFt1150	float
flAnDebrisPreDmg	DmgFt1200	float
flAnDebrisPreDmg	DmgFt1250	float
flAnDebrisPreDmg	DmgFt1300	float
flAnDebrisPreDmg	DmgFt1350	float
flAnDebrisPreDmg	DmgFt1400	float
flAnDebrisPreDmg	DmgFt1450	float
flAnDebrisPreDmg	DmgFt1500	float
flAnDebrisPreDmg	DmgFt1550	float
flAnDebrisPreDmg	DmgFt1600	float
flAnDebrisPreDmg	DmgFt1650	float
flAnDebrisPreDmg	DmgFt1700	float
flAnDebrisPreDmg	DmgFt1750	float
flAnDebrisPreDmg	DmgFt1800	float
flAnDebrisPreDmg	DmgFt1850	float
flAnDebrisPreDmg	DmgFt1900	float
flAnDebrisPreDmg	DmgFt1950	float
flAnDebrisPreDmg	DmgFt2000	float
flAnDebrisPreDmg	DmgFt2050	float
flAnDebrisPreDmg	DmgFt2100	float
flAnDebrisPreDmg	DmgFt2150	float
flAnDebrisPreDmg	DmgFt2200	float
flAnDebrisPreDmg	DmgFt2250	float
flAnDebrisPreDmg	DmgFt2300	float
flAnDebrisPreDmg	DmgFt2350	float
flAnDebrisPreDmg	DmgFt2400	float
flAnDebrisPreFSF	StudyCaseId	int
flAnDebrisPreFSF	CensusBlock	varchar(15)
flAnDebrisPreFSF	ReturnPeriodId	varchar(6)
flAnDebrisPreFSF	CoastalZone	char(2)
flAnDebrisPreFSF	AnalysisOptId	int
flAnDebrisPreFSF	SOccup	varchar(5)
flAnDebrisPreFSF	FoundationType	varchar(10)
flAnDebrisPreFSF	ControlHazard	char(1)

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnDebrisPreFSF	PreFinishTons	float
flAnDebrisPreFSF	FPre00	float
flAnDebrisPreFSF	FPre50	float
flAnDebrisPreFSF	FPre100	float
flAnDebrisPreFSF	FPre150	float
flAnDebrisPreFSF	FPre200	float
flAnDebrisPreFSF	FPre250	float
flAnDebrisPreFSF	FPre300	float
flAnDebrisPreFSF	FPre350	float
flAnDebrisPreFSF	FPre400	float
flAnDebrisPreFSF	FPre450	float
flAnDebrisPreFSF	FPre500	float
flAnDebrisPreFSF	FPre550	float
flAnDebrisPreFSF	FPre600	float
flAnDebrisPreFSF	FPre650	float
flAnDebrisPreFSF	FPre700	float
flAnDebrisPreFSF	FPre750	float
flAnDebrisPreFSF	FPre800	float
flAnDebrisPreFSF	FPre850	float
flAnDebrisPreFSF	FPre900	float
flAnDebrisPreFSF	FPre950	float
flAnDebrisPreFSF	FPre1000	float
flAnDebrisPreFSF	FPre1050	float
flAnDebrisPreFSF	FPre1100	float
flAnDebrisPreFSF	FPre1150	float
flAnDebrisPreFSF	FPre1200	float
flAnDebrisPreFSF	FPre1250	float
flAnDebrisPreFSF	FPre1300	float
flAnDebrisPreFSF	FPre1350	float
flAnDebrisPreFSF	FPre1400	float
flAnDebrisPreFSF	FPre1450	float
flAnDebrisPreFSF	FPre1500	float
flAnDebrisPreFSF	FPre1550	float
flAnDebrisPreFSF	FPre1600	float
flAnDebrisPreFSF	FPre1650	float
flAnDebrisPreFSF	FPre1700	float
flAnDebrisPreFSF	FPre1750	float
flAnDebrisPreFSF	FPre1800	float
flAnDebrisPreFSF	FPre1850	float
flAnDebrisPreFSF	FPre1900	float
flAnDebrisPreFSF	FPre1950	float
flAnDebrisPreFSF	FPre2000	float
flAnDebrisPreFSF	FPre2050	float
flAnDebrisPreFSF	FPre2100	float
flAnDebrisPreFSF	FPre2150	float
flAnDebrisPreFSF	FPre2200	float
flAnDebrisPreFSF	FPre2250	float
flAnDebrisPreFSF	FPre2300	float
flAnDebrisPreFSF	FPre2350	float
flAnDebrisPreFSF	FPre2400	float
flAnDebrisPreFSF	PreStructureTons	float
flAnDebrisPreFSF	StPre00	float
flAnDebrisPreFSF	StPre50	float
flAnDebrisPreFSF	StPre100	float
flAnDebrisPreFSF	StPre150	float
flAnDebrisPreFSF	StPre200	float
flAnDebrisPreFSF	StPre250	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnDebrisPreFSF	StPre300	float
flAnDebrisPreFSF	StPre350	float
flAnDebrisPreFSF	StPre400	float
flAnDebrisPreFSF	StPre450	float
flAnDebrisPreFSF	StPre500	float
flAnDebrisPreFSF	StPre550	float
flAnDebrisPreFSF	StPre600	float
flAnDebrisPreFSF	StPre650	float
flAnDebrisPreFSF	StPre700	float
flAnDebrisPreFSF	StPre750	float
flAnDebrisPreFSF	StPre800	float
flAnDebrisPreFSF	StPre850	float
flAnDebrisPreFSF	StPre900	float
flAnDebrisPreFSF	StPre950	float
flAnDebrisPreFSF	StPre1000	float
flAnDebrisPreFSF	StPre1050	float
flAnDebrisPreFSF	StPre1100	float
flAnDebrisPreFSF	StPre1150	float
flAnDebrisPreFSF	StPre1200	float
flAnDebrisPreFSF	StPre1250	float
flAnDebrisPreFSF	StPre1300	float
flAnDebrisPreFSF	StPre1350	float
flAnDebrisPreFSF	StPre1400	float
flAnDebrisPreFSF	StPre1450	float
flAnDebrisPreFSF	StPre1500	float
flAnDebrisPreFSF	StPre1550	float
flAnDebrisPreFSF	StPre1600	float
flAnDebrisPreFSF	StPre1650	float
flAnDebrisPreFSF	StPre1700	float
flAnDebrisPreFSF	StPre1750	float
flAnDebrisPreFSF	StPre1800	float
flAnDebrisPreFSF	StPre1850	float
flAnDebrisPreFSF	StPre1900	float
flAnDebrisPreFSF	StPre1950	float
flAnDebrisPreFSF	StPre2000	float
flAnDebrisPreFSF	StPre2050	float
flAnDebrisPreFSF	StPre2100	float
flAnDebrisPreFSF	StPre2150	float
flAnDebrisPreFSF	StPre2200	float
flAnDebrisPreFSF	StPre2250	float
flAnDebrisPreFSF	StPre2300	float
flAnDebrisPreFSF	StPre2350	float
flAnDebrisPreFSF	StPre2400	float
flAnDebrisPreFSF	PreFoundationTons	float
flAnDebrisPreFSF	FoundPre00	float
flAnDebrisPreFSF	FoundPre50	float
flAnDebrisPreFSF	FoundPre100	float
flAnDebrisPreFSF	FoundPre150	float
flAnDebrisPreFSF	FoundPre200	float
flAnDebrisPreFSF	FoundPre250	float
flAnDebrisPreFSF	FoundPre300	float
flAnDebrisPreFSF	FoundPre350	float
flAnDebrisPreFSF	FoundPre400	float
flAnDebrisPreFSF	FoundPre450	float
flAnDebrisPreFSF	FoundPre500	float
flAnDebrisPreFSF	FoundPre550	float
flAnDebrisPreFSF	FoundPre600	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnDebrisPreFSF	FoundPre650	float
flAnDebrisPreFSF	FoundPre700	float
flAnDebrisPreFSF	FoundPre750	float
flAnDebrisPreFSF	FoundPre800	float
flAnDebrisPreFSF	FoundPre850	float
flAnDebrisPreFSF	FoundPre900	float
flAnDebrisPreFSF	FoundPre950	float
flAnDebrisPreFSF	FoundPre1000	float
flAnDebrisPreFSF	FoundPre1050	float
flAnDebrisPreFSF	FoundPre1100	float
flAnDebrisPreFSF	FoundPre1150	float
flAnDebrisPreFSF	FoundPre1200	float
flAnDebrisPreFSF	FoundPre1250	float
flAnDebrisPreFSF	FoundPre1300	float
flAnDebrisPreFSF	FoundPre1350	float
flAnDebrisPreFSF	FoundPre1400	float
flAnDebrisPreFSF	FoundPre1450	float
flAnDebrisPreFSF	FoundPre1500	float
flAnDebrisPreFSF	FoundPre1550	float
flAnDebrisPreFSF	FoundPre1600	float
flAnDebrisPreFSF	FoundPre1650	float
flAnDebrisPreFSF	FoundPre1700	float
flAnDebrisPreFSF	FoundPre1750	float
flAnDebrisPreFSF	FoundPre1800	float
flAnDebrisPreFSF	FoundPre1850	float
flAnDebrisPreFSF	FoundPre1900	float
flAnDebrisPreFSF	FoundPre1950	float
flAnDebrisPreFSF	FoundPre2000	float
flAnDebrisPreFSF	FoundPre2050	float
flAnDebrisPreFSF	FoundPre2100	float
flAnDebrisPreFSF	FoundPre2150	float
flAnDebrisPreFSF	FoundPre2200	float
flAnDebrisPreFSF	FoundPre2250	float
flAnDebrisPreFSF	FoundPre2300	float
flAnDebrisPreFSF	FoundPre2350	float
flAnDebrisPreFSF	FoundPre2400	float
flAnDebrisT	SOccup	varchar(5)
flAnDebrisT	FoundType	varchar(10)
flAnDebrisT	FwUpto0	float
flAnDebrisT	SwUpto0	float
flAnDebrisT	FoundUpto0	float
flAnDebrisT	FwUpto1	float
flAnDebrisT	SwUpto1	float
flAnDebrisT	FoundUpto1	float
flAnDebrisT	FwUpto4	float
flAnDebrisT	SwUpto4	float
flAnDebrisT	FoundUpto4	float
flAnDebrisT	FwUpto6	float
flAnDebrisT	SwUpto6	float
flAnDebrisT	FoundUpto6	float
flAnDebrisT	FwUpto8	float
flAnDebrisT	SwUpto8	float
flAnDebrisT	FoundUpto8	float
flAnDebrisT	FwUpto12	float
flAnDebrisT	SwUpto12	float
flAnDebrisT	FoundUpto12	float
flAnDebrisT	FwUpto25	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnDebrisT	SwUpto25	float
flAnDebrisT	FoundUpto25	float
flAnDebrisYearBuiltReduced	StudyCaseID	int
flAnDebrisYearBuiltReduced	CensusBlock	varchar(15)
flAnDebrisYearBuiltReduced	ReturnPeriodID	varchar(6)
flAnDebrisYearBuiltReduced	ControlHazard	varchar(1)
flAnDebrisYearBuiltReduced	AnalysisOptId	int
flAnDebrisYearBuiltReduced	CoastalZone	char(2)
flAnDebrisYearBuiltReduced	DmgFt00	float
flAnDebrisYearBuiltReduced	DmgFt50	float
flAnDebrisYearBuiltReduced	DmgFt100	float
flAnDebrisYearBuiltReduced	DmgFt150	float
flAnDebrisYearBuiltReduced	DmgFt200	float
flAnDebrisYearBuiltReduced	DmgFt250	float
flAnDebrisYearBuiltReduced	DmgFt300	float
flAnDebrisYearBuiltReduced	DmgFt350	float
flAnDebrisYearBuiltReduced	DmgFt400	float
flAnDebrisYearBuiltReduced	DmgFt450	float
flAnDebrisYearBuiltReduced	DmgFt500	float
flAnDebrisYearBuiltReduced	DmgFt550	float
flAnDebrisYearBuiltReduced	DmgFt600	float
flAnDebrisYearBuiltReduced	DmgFt650	float
flAnDebrisYearBuiltReduced	DmgFt700	float
flAnDebrisYearBuiltReduced	DmgFt750	float
flAnDebrisYearBuiltReduced	DmgFt800	float
flAnDebrisYearBuiltReduced	DmgFt850	float
flAnDebrisYearBuiltReduced	DmgFt900	float
flAnDebrisYearBuiltReduced	DmgFt950	float
flAnDebrisYearBuiltReduced	DmgFt1000	float
flAnDebrisYearBuiltReduced	DmgFt1050	float
flAnDebrisYearBuiltReduced	DmgFt1100	float
flAnDebrisYearBuiltReduced	DmgFt1150	float
flAnDebrisYearBuiltReduced	DmgFt1200	float
flAnDebrisYearBuiltReduced	DmgFt1250	float
flAnDebrisYearBuiltReduced	DmgFt1300	float
flAnDebrisYearBuiltReduced	DmgFt1350	float
flAnDebrisYearBuiltReduced	DmgFt1400	float
flAnDebrisYearBuiltReduced	DmgFt1450	float
flAnDebrisYearBuiltReduced	DmgFt1500	float
flAnDebrisYearBuiltReduced	DmgFt1550	float
flAnDebrisYearBuiltReduced	DmgFt1600	float
flAnDebrisYearBuiltReduced	DmgFt1650	float
flAnDebrisYearBuiltReduced	DmgFt1700	float
flAnDebrisYearBuiltReduced	DmgFt1750	float
flAnDebrisYearBuiltReduced	DmgFt1800	float
flAnDebrisYearBuiltReduced	DmgFt1850	float
flAnDebrisYearBuiltReduced	DmgFt1900	float
flAnDebrisYearBuiltReduced	DmgFt1950	float
flAnDebrisYearBuiltReduced	DmgFt2000	float
flAnDebrisYearBuiltReduced	DmgFt2050	float
flAnDebrisYearBuiltReduced	DmgFt2100	float
flAnDebrisYearBuiltReduced	DmgFt2150	float
flAnDebrisYearBuiltReduced	DmgFt2200	float
flAnDebrisYearBuiltReduced	DmgFt2250	float
flAnDebrisYearBuiltReduced	DmgFt2300	float
flAnDebrisYearBuiltReduced	DmgFt2350	float
flAnDebrisYearBuiltReduced	DmgFt2400	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSBaseTabT	CensusBlock	char(15)
flAnGBSBaseTabT	SOccup	varchar(5)
flAnGBSBaseTabT	Exposure	int
flAnGBSBaseTabT	ExpCont	int
flAnGBSBaseTabT	BldgCnt	int
flAnGBSBaseTabT	DepExp	int
flAnGBSBaseTabT	DepExpCont	int
flAnGBSBaseTabT	SqFt	real
flAnGBSCombinedDmgPostInv	StudyCaseId	int
flAnGBSCombinedDmgPostInv	CensusBlock	varchar(15)
flAnGBSCombinedDmgPostInv	ReturnPeriodID	varchar(6)
flAnGBSCombinedDmgPostInv	AnalysisOptId	int
flAnGBSCombinedDmgPostInv	BlockType	char(1)
flAnGBSCombinedDmgPostInv	ControlHazard	char
flAnGBSCombinedDmgPostInv	CoastalZone	char(2)
flAnGBSCombinedDmgPostInv	SOccup	char(5)
flAnGBSCombinedDmgPostInv	PctSOccupId	varchar(6)
flAnGBSCombinedDmgPostInv	FoundationType	char(10)
flAnGBSCombinedDmgPostInv	POSTInvDmgFt00	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt50	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt100	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt150	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt200	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt250	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt300	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt350	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt400	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt450	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt500	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt550	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt600	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt650	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt700	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt750	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt800	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt850	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt900	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt950	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt1000	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt1050	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt1100	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt1150	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt1200	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt1250	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt1300	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt1350	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt1400	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt1450	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt1500	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt1550	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt1600	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt1650	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt1700	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt1750	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt1800	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt1850	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt1900	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSCombinedDmgPostInv	POSTInvDmgFt1950	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt2000	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt2050	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt2100	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt2150	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt2200	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt2250	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt2300	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt2350	float
flAnGBSCombinedDmgPostInv	POSTInvDmgFt2400	float
flAnGBSCombinedDmgPostInvC	StudyCaseId	int
flAnGBSCombinedDmgPostInvC	CensusBlock	varchar(15)
flAnGBSCombinedDmgPostInvC	ReturnPeriodID	varchar(6)
flAnGBSCombinedDmgPostInvC	AnalysisOptId	int
flAnGBSCombinedDmgPostInvC	BlockType	char(1)
flAnGBSCombinedDmgPostInvC	ControlHazard	char
flAnGBSCombinedDmgPostInvC	CoastalZone	char(2)
flAnGBSCombinedDmgPostInvC	SOccup	char(5)
flAnGBSCombinedDmgPostInvC	PctSOccupId	varchar(6)
flAnGBSCombinedDmgPostInvC	FoundationType	char(10)
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt00	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt50	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt100	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt150	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt200	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt250	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt300	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt350	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt400	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt450	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt500	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt550	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt600	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt650	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt700	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt750	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt800	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt850	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt900	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt950	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt1000	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt1050	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt1100	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt1150	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt1200	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt1250	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt1300	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt1350	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt1400	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt1450	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt1500	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt1550	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt1600	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt1650	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt1700	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt1750	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt1800	real

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt1850	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt1900	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt1950	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt2000	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt2050	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt2100	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt2150	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt2200	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt2250	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt2300	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt2350	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgAFt2400	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt00	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt50	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt100	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt150	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt200	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt250	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt300	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt350	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt400	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt450	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt500	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt550	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt600	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt650	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt700	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt750	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt800	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt850	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt900	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt950	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt1000	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt1050	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt1100	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt1150	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt1200	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt1250	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt1300	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt1350	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt1400	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt1450	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt1500	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt1550	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt1600	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt1650	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt1700	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt1750	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt1800	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt1850	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt1900	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt1950	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt2000	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt2050	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt2100	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt2150	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt2200	real

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt2250	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt2300	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt2350	real
flAnGBSCombinedDmgPostInvC	POSTInvDmgVFt2400	real
flAnGBSCombinedDmgPreInv	StudyCaseId	int
flAnGBSCombinedDmgPreInv	CensusBlock	varchar(15)
flAnGBSCombinedDmgPreInv	ReturnPeriodID	varchar(6)
flAnGBSCombinedDmgPreInv	AnalysisOptId	int
flAnGBSCombinedDmgPreInv	BlockType	char(1)
flAnGBSCombinedDmgPreInv	ControlHazard	char
flAnGBSCombinedDmgPreInv	CoastalZone	char(2)
flAnGBSCombinedDmgPreInv	SOccup	char(5)
flAnGBSCombinedDmgPreInv	PctSOccupId	varchar(6)
flAnGBSCombinedDmgPreInv	FoundationType	char(10)
flAnGBSCombinedDmgPreInv	PREInvDmgFt00	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt50	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt100	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt150	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt200	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt250	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt300	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt350	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt400	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt450	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt500	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt550	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt600	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt650	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt700	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt750	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt800	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt850	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt900	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt950	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt1000	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt1050	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt1100	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt1150	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt1200	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt1250	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt1300	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt1350	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt1400	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt1450	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt1500	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt1550	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt1600	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt1650	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt1700	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt1750	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt1800	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt1850	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt1900	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt1950	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt2000	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt2050	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt2100	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSCombinedDmgPreInv	PREInvDmgFt2150	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt2200	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt2250	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt2300	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt2350	float
flAnGBSCombinedDmgPreInv	PREInvDmgFt2400	float
flAnGBSIntDmgChk	CensusBlock	char(15)
flAnGBSIntDmgChk	StudyCaseId	int
flAnGBSIntDmgChk	ReturnPeriodId	varchar(6)
flAnGBSIntDmgChk	SOccupancy	varchar(5)
flAnGBSIntDmgChk	FoundationType	int
flAnGBSIntDmgChk	DollarExp	real
flAnGBSIntDmgChk	DollarDepExp	real
flAnGBSIntDmgChk	SqFt	real
flAnGBSIntDmgChk	DollarDmg	real
flAnGBSIntDmgChk	DollarDepDmg	real
flAnGBSPostBuildingContent	StudyCaseId	int
flAnGBSPostBuildingContent	CensusBlock	char(15)
flAnGBSPostBuildingContent	ReturnPeriodID	varchar(6)
flAnGBSPostBuildingContent	AnalysisOptId	int
flAnGBSPostBuildingContent	BlockType	char(1)
flAnGBSPostBuildingContent	ControlHazard	char(1)
flAnGBSPostBuildingContent	CoastalZone	char(2)
flAnGBSPostBuildingContent	SOccup	char(5)
flAnGBSPostBuildingContent	PctSOccupId	varchar(6)
flAnGBSPostBuildingContent	FoundationType	char(10)
flAnGBSPostBuildingContent	PostBldgContTotal	real
flAnGBSPostBuildingContent	PostBldgContATotal	real
flAnGBSPostBuildingContent	PostBldgContVTotal	real
flAnGBSPostDollDmg	StudyCaseId	int
flAnGBSPostDollDmg	CensusBlock	char(15)
flAnGBSPostDollDmg	ReturnPeriodID	varchar(6)
flAnGBSPostDollDmg	AnalysisOptId	int
flAnGBSPostDollDmg	BlockType	char(1)
flAnGBSPostDollDmg	ControlHazard	char(1)
flAnGBSPostDollDmg	CoastalZone	char(2)
flAnGBSPostDollDmg	SOccup	char(5)
flAnGBSPostDollDmg	PctSOccupId	varchar(6)
flAnGBSPostDollDmg	FoundationType	char(10)
flAnGBSPostDollDmg	PostDollDmgTotal	real
flAnGBSPostDollDmg	PostDollDmgATotal	real
flAnGBSPostDollDmg	PostDollDmgVTotal	real
flAnGBSPostEmployment	StudyCaseId	int
flAnGBSPostEmployment	CensusBlock	char(15)
flAnGBSPostEmployment	ReturnPeriodID	varchar(6)
flAnGBSPostEmployment	AnalysisOptId	int
flAnGBSPostEmployment	BlockType	char(1)
flAnGBSPostEmployment	ControlHazard	char(1)
flAnGBSPostEmployment	CoastalZone	char(2)
flAnGBSPostEmployment	SOccup	char(5)
flAnGBSPostEmployment	PctSOccupId	varchar(6)
flAnGBSPostEmployment	FoundationType	char(10)
flAnGBSPostEmployment	PostEmpTotal	real
flAnGBSPostEmployment	PostEmpATotal	real
flAnGBSPostEmployment	PostEmpVTotal	real
flAnGBSPostInvDmg	StudyCaseId	int
flAnGBSPostInvDmg	CensusBlock	char(15)

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSPostInvDmg	ReturnPeriodID	varchar(6)
flAnGBSPostInvDmg	AnalysisOptId	int
flAnGBSPostInvDmg	BlockType	char(1)
flAnGBSPostInvDmg	ControlHazard	char(1)
flAnGBSPostInvDmg	CoastalZone	char(2)
flAnGBSPostInvDmg	SOccup	char(5)
flAnGBSPostInvDmg	PctSOccupId	varchar(6)
flAnGBSPostInvDmg	FoundationType	char(10)
flAnGBSPostInvDmg	PostInvDmgTotal	real
flAnGBSPostInvDmg	PostInvDmgATotal	real
flAnGBSPostInvDmg	PostInvDmgVTotal	real
flAnGBSPostOutput	StudyCaseId	int
flAnGBSPostOutput	CensusBlock	varchar(15)
flAnGBSPostOutput	ReturnPeriodID	varchar(6)
flAnGBSPostOutput	AnalysisOptId	int
flAnGBSPostOutput	BlockType	char(1)
flAnGBSPostOutput	ControlHazard	char
flAnGBSPostOutput	CoastalZone	char(2)
flAnGBSPostOutput	SOccup	varchar(5)
flAnGBSPostOutput	PctSOccupId	varchar(6)
flAnGBSPostOutput	FoundationType	char(10)
flAnGBSPostOutput	PostOutpTotal	float
flAnGBSPostOutput	PostOutp00	float
flAnGBSPostOutput	PostOutp50	float
flAnGBSPostOutput	PostOutp100	float
flAnGBSPostOutput	PostOutp150	float
flAnGBSPostOutput	PostOutp200	float
flAnGBSPostOutput	PostOutp250	float
flAnGBSPostOutput	PostOutp300	float
flAnGBSPostOutput	PostOutp350	float
flAnGBSPostOutput	PostOutp400	float
flAnGBSPostOutput	PostOutp450	float
flAnGBSPostOutput	PostOutp500	float
flAnGBSPostOutput	PostOutp550	float
flAnGBSPostOutput	PostOutp600	float
flAnGBSPostOutput	PostOutp650	float
flAnGBSPostOutput	PostOutp700	float
flAnGBSPostOutput	PostOutp750	float
flAnGBSPostOutput	PostOutp800	float
flAnGBSPostOutput	PostOutp850	float
flAnGBSPostOutput	PostOutp900	float
flAnGBSPostOutput	PostOutp950	float
flAnGBSPostOutput	PostOutp1000	float
flAnGBSPostOutput	PostOutp1050	float
flAnGBSPostOutput	PostOutp1100	float
flAnGBSPostOutput	PostOutp1150	float
flAnGBSPostOutput	PostOutp1200	float
flAnGBSPostOutput	PostOutp1250	float
flAnGBSPostOutput	PostOutp1300	float
flAnGBSPostOutput	PostOutp1350	float
flAnGBSPostOutput	PostOutp1400	float
flAnGBSPostOutput	PostOutp1450	float
flAnGBSPostOutput	PostOutp1500	float
flAnGBSPostOutput	PostOutp1550	float
flAnGBSPostOutput	PostOutp1600	float
flAnGBSPostOutput	PostOutp1650	float
flAnGBSPostOutput	PostOutp1700	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSPostOutput	PostOutp1750	float
flAnGBSPostOutput	PostOutp1800	float
flAnGBSPostOutput	PostOutp1850	float
flAnGBSPostOutput	PostOutp1900	float
flAnGBSPostOutput	PostOutp1950	float
flAnGBSPostOutput	PostOutp2000	float
flAnGBSPostOutput	PostOutp2050	float
flAnGBSPostOutput	PostOutp2100	float
flAnGBSPostOutput	PostOutp2150	float
flAnGBSPostOutput	PostOutp2200	float
flAnGBSPostOutput	PostOutp2250	float
flAnGBSPostOutput	PostOutp2300	float
flAnGBSPostOutput	PostOutp2350	float
flAnGBSPostOutput	PostOutp2400	float
flAnGBSPostOutput	PostOutpATotal	float
flAnGBSPostOutput	PostOutpA00	float
flAnGBSPostOutput	PostOutpA50	float
flAnGBSPostOutput	PostOutpA100	float
flAnGBSPostOutput	PostOutpA150	float
flAnGBSPostOutput	PostOutpA200	float
flAnGBSPostOutput	PostOutpA250	float
flAnGBSPostOutput	PostOutpA300	float
flAnGBSPostOutput	PostOutpA350	float
flAnGBSPostOutput	PostOutpA400	float
flAnGBSPostOutput	PostOutpA450	float
flAnGBSPostOutput	PostOutpA500	float
flAnGBSPostOutput	PostOutpA550	float
flAnGBSPostOutput	PostOutpA600	float
flAnGBSPostOutput	PostOutpA650	float
flAnGBSPostOutput	PostOutpA700	float
flAnGBSPostOutput	PostOutpA750	float
flAnGBSPostOutput	PostOutpA800	float
flAnGBSPostOutput	PostOutpA850	float
flAnGBSPostOutput	PostOutpA900	float
flAnGBSPostOutput	PostOutpA950	float
flAnGBSPostOutput	PostOutpA1000	float
flAnGBSPostOutput	PostOutpA1050	float
flAnGBSPostOutput	PostOutpA1100	float
flAnGBSPostOutput	PostOutpA1150	float
flAnGBSPostOutput	PostOutpA1200	float
flAnGBSPostOutput	PostOutpA1250	float
flAnGBSPostOutput	PostOutpA1300	float
flAnGBSPostOutput	PostOutpA1350	float
flAnGBSPostOutput	PostOutpA1400	float
flAnGBSPostOutput	PostOutpA1450	float
flAnGBSPostOutput	PostOutpA1500	float
flAnGBSPostOutput	PostOutpA1550	float
flAnGBSPostOutput	PostOutpA1600	float
flAnGBSPostOutput	PostOutpA1650	float
flAnGBSPostOutput	PostOutpA1700	float
flAnGBSPostOutput	PostOutpA1750	float
flAnGBSPostOutput	PostOutpA1800	float
flAnGBSPostOutput	PostOutpA1850	float
flAnGBSPostOutput	PostOutpA1900	float
flAnGBSPostOutput	PostOutpA1950	float
flAnGBSPostOutput	PostOutpA2000	float
flAnGBSPostOutput	PostOutpA2050	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSPostOutput	PostOutpA2100	float
flAnGBSPostOutput	PostOutpA2150	float
flAnGBSPostOutput	PostOutpA2200	float
flAnGBSPostOutput	PostOutpA2250	float
flAnGBSPostOutput	PostOutpA2300	float
flAnGBSPostOutput	PostOutpA2350	float
flAnGBSPostOutput	PostOutpA2400	float
flAnGBSPostOutput	PostOutpVTotal	float
flAnGBSPostOutput	PostOutpV00	real
flAnGBSPostOutput	PostOutpV50	real
flAnGBSPostOutput	PostOutpV100	real
flAnGBSPostOutput	PostOutpV150	real
flAnGBSPostOutput	PostOutpV200	real
flAnGBSPostOutput	PostOutpV250	real
flAnGBSPostOutput	PostOutpV300	real
flAnGBSPostOutput	PostOutpV350	real
flAnGBSPostOutput	PostOutpV400	real
flAnGBSPostOutput	PostOutpV450	real
flAnGBSPostOutput	PostOutpV500	real
flAnGBSPostOutput	PostOutpV550	real
flAnGBSPostOutput	PostOutpV600	real
flAnGBSPostOutput	PostOutpV650	real
flAnGBSPostOutput	PostOutpV700	real
flAnGBSPostOutput	PostOutpV750	real
flAnGBSPostOutput	PostOutpV800	real
flAnGBSPostOutput	PostOutpV850	real
flAnGBSPostOutput	PostOutpV900	real
flAnGBSPostOutput	PostOutpV950	real
flAnGBSPostOutput	PostOutpV1000	real
flAnGBSPostOutput	PostOutpV1050	real
flAnGBSPostOutput	PostOutpV1100	real
flAnGBSPostOutput	PostOutpV1150	real
flAnGBSPostOutput	PostOutpV1200	real
flAnGBSPostOutput	PostOutpV1250	real
flAnGBSPostOutput	PostOutpV1300	real
flAnGBSPostOutput	PostOutpV1350	real
flAnGBSPostOutput	PostOutpV1400	real
flAnGBSPostOutput	PostOutpV1450	real
flAnGBSPostOutput	PostOutpV1500	real
flAnGBSPostOutput	PostOutpV1550	real
flAnGBSPostOutput	PostOutpV1600	real
flAnGBSPostOutput	PostOutpV1650	real
flAnGBSPostOutput	PostOutpV1700	real
flAnGBSPostOutput	PostOutpV1750	real
flAnGBSPostOutput	PostOutpV1800	real
flAnGBSPostOutput	PostOutpV1850	real
flAnGBSPostOutput	PostOutpV1900	real
flAnGBSPostOutput	PostOutpV1950	real
flAnGBSPostOutput	PostOutpV2000	real
flAnGBSPostOutput	PostOutpV2050	real
flAnGBSPostOutput	PostOutpV2100	real
flAnGBSPostOutput	PostOutpV2150	real
flAnGBSPostOutput	PostOutpV2200	real
flAnGBSPostOutput	PostOutpV2250	real
flAnGBSPostOutput	PostOutpV2300	real
flAnGBSPostOutput	PostOutpV2350	real
flAnGBSPostOutput	PostOutpV2400	real

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSPostRelocation	StudyCaseId	int
flAnGBSPostRelocation	CensusBlock	varchar(15)
flAnGBSPostRelocation	ReturnPeriodID	varchar(6)
flAnGBSPostRelocation	AnalysisOptId	int
flAnGBSPostRelocation	BlockType	char(1)
flAnGBSPostRelocation	ControlHazard	char
flAnGBSPostRelocation	CoastalZone	char(2)
flAnGBSPostRelocation	SOccup	varchar(5)
flAnGBSPostRelocation	PctSOccupId	varchar(6)
flAnGBSPostRelocation	FoundationType	char (10)
flAnGBSPostRelocation	PostRlocTotal	float
flAnGBSPostRelocation	PostRloc00	float
flAnGBSPostRelocation	PostRloc50	float
flAnGBSPostRelocation	PostRloc100	float
flAnGBSPostRelocation	PostRloc150	float
flAnGBSPostRelocation	PostRloc200	float
flAnGBSPostRelocation	PostRloc250	float
flAnGBSPostRelocation	PostRloc300	float
flAnGBSPostRelocation	PostRloc350	float
flAnGBSPostRelocation	PostRloc400	float
flAnGBSPostRelocation	PostRloc450	float
flAnGBSPostRelocation	PostRloc500	float
flAnGBSPostRelocation	PostRloc550	float
flAnGBSPostRelocation	PostRloc600	float
flAnGBSPostRelocation	PostRloc650	float
flAnGBSPostRelocation	PostRloc700	float
flAnGBSPostRelocation	PostRloc750	float
flAnGBSPostRelocation	PostRloc800	float
flAnGBSPostRelocation	PostRloc850	float
flAnGBSPostRelocation	PostRloc900	float
flAnGBSPostRelocation	PostRloc950	float
flAnGBSPostRelocation	PostRloc1000	float
flAnGBSPostRelocation	PostRloc1050	float
flAnGBSPostRelocation	PostRloc1100	float
flAnGBSPostRelocation	PostRloc1150	float
flAnGBSPostRelocation	PostRloc1200	float
flAnGBSPostRelocation	PostRloc1250	float
flAnGBSPostRelocation	PostRloc1300	float
flAnGBSPostRelocation	PostRloc1350	float
flAnGBSPostRelocation	PostRloc1400	float
flAnGBSPostRelocation	PostRloc1450	float
flAnGBSPostRelocation	PostRloc1500	float
flAnGBSPostRelocation	PostRloc1550	float
flAnGBSPostRelocation	PostRloc1600	float
flAnGBSPostRelocation	PostRloc1650	float
flAnGBSPostRelocation	PostRloc1700	float
flAnGBSPostRelocation	PostRloc1750	float
flAnGBSPostRelocation	PostRloc1800	float
flAnGBSPostRelocation	PostRloc1850	float
flAnGBSPostRelocation	PostRloc1900	float
flAnGBSPostRelocation	PostRloc1950	float
flAnGBSPostRelocation	PostRloc2000	float
flAnGBSPostRelocation	PostRloc2050	float
flAnGBSPostRelocation	PostRloc2100	float
flAnGBSPostRelocation	PostRloc2150	float
flAnGBSPostRelocation	PostRloc2200	float
flAnGBSPostRelocation	PostRloc2250	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSPostRelocation	PostRloc2300	float
flAnGBSPostRelocation	PostRloc2350	float
flAnGBSPostRelocation	PostRloc2400	float
flAnGBSPostRelocation	PostRlocATotal	float
flAnGBSPostRelocation	PostRlocA00	float
flAnGBSPostRelocation	PostRLocA50	float
flAnGBSPostRelocation	PostRlocA100	float
flAnGBSPostRelocation	PostRlocA150	float
flAnGBSPostRelocation	PostRlocA200	float
flAnGBSPostRelocation	PostRlocA250	float
flAnGBSPostRelocation	PostRlocA300	float
flAnGBSPostRelocation	PostRlocA350	float
flAnGBSPostRelocation	PostRlocA400	float
flAnGBSPostRelocation	PostRlocA450	float
flAnGBSPostRelocation	PostRlocA500	float
flAnGBSPostRelocation	PostRlocA550	float
flAnGBSPostRelocation	PostRlocA600	float
flAnGBSPostRelocation	PostRlocA650	float
flAnGBSPostRelocation	PostRlocA700	float
flAnGBSPostRelocation	PostRlocA750	float
flAnGBSPostRelocation	PostRlocA800	float
flAnGBSPostRelocation	PostRlocA850	float
flAnGBSPostRelocation	PostRlocA900	float
flAnGBSPostRelocation	PostRlocA950	float
flAnGBSPostRelocation	PostRlocA1000	float
flAnGBSPostRelocation	PostRlocA1050	float
flAnGBSPostRelocation	PostRlocA1100	float
flAnGBSPostRelocation	PostRlocA1150	float
flAnGBSPostRelocation	PostRlocA1200	float
flAnGBSPostRelocation	PostRlocA1250	float
flAnGBSPostRelocation	PostRlocA1300	float
flAnGBSPostRelocation	PostRlocA1350	float
flAnGBSPostRelocation	PostRlocA1400	float
flAnGBSPostRelocation	PostRlocA1450	float
flAnGBSPostRelocation	PostRlocA1500	float
flAnGBSPostRelocation	PostRlocA1550	float
flAnGBSPostRelocation	PostRlocA1600	float
flAnGBSPostRelocation	PostRlocA1650	float
flAnGBSPostRelocation	PostRlocA1700	float
flAnGBSPostRelocation	PostRlocA1750	float
flAnGBSPostRelocation	PostRlocA1800	float
flAnGBSPostRelocation	PostRlocA1850	float
flAnGBSPostRelocation	PostRlocA1900	float
flAnGBSPostRelocation	PostRlocA1950	float
flAnGBSPostRelocation	PostRlocA2000	float
flAnGBSPostRelocation	PostRlocA2050	float
flAnGBSPostRelocation	PostRlocA2100	float
flAnGBSPostRelocation	PostRlocA2150	float
flAnGBSPostRelocation	PostRlocA2200	float
flAnGBSPostRelocation	PostRlocA2250	float
flAnGBSPostRelocation	PostRlocA2300	float
flAnGBSPostRelocation	PostRlocA2350	float
flAnGBSPostRelocation	PostRlocA2400	float
flAnGBSPostRelocation	PostRlocVTotal	float
flAnGBSPostRelocation	PostRlocV00	float
flAnGBSPostRelocation	PostRlocV50	float
flAnGBSPostRelocation	PostRlocV100	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSPostRelocation	PostRlocV150	float
flAnGBSPostRelocation	PostRlocV200	float
flAnGBSPostRelocation	PostRlocV250	float
flAnGBSPostRelocation	PostRlocV300	float
flAnGBSPostRelocation	PostRlocV350	float
flAnGBSPostRelocation	PostRlocV400	float
flAnGBSPostRelocation	PostRlocV450	float
flAnGBSPostRelocation	PostRlocV500	float
flAnGBSPostRelocation	PostRlocV550	float
flAnGBSPostRelocation	PostRlocV600	float
flAnGBSPostRelocation	PostRlocV650	float
flAnGBSPostRelocation	PostRlocV700	float
flAnGBSPostRelocation	PostRlocV750	float
flAnGBSPostRelocation	PostRlocV800	float
flAnGBSPostRelocation	PostRlocV850	float
flAnGBSPostRelocation	PostRlocV900	float
flAnGBSPostRelocation	PostRlocV950	float
flAnGBSPostRelocation	PostRlocV1000	float
flAnGBSPostRelocation	PostRlocV1050	float
flAnGBSPostRelocation	PostRlocV1100	float
flAnGBSPostRelocation	PostRlocV1150	float
flAnGBSPostRelocation	PostRlocV1200	float
flAnGBSPostRelocation	PostRlocV1250	float
flAnGBSPostRelocation	PostRlocV1300	float
flAnGBSPostRelocation	PostRlocV1350	float
flAnGBSPostRelocation	PostRlocV1400	float
flAnGBSPostRelocation	PostRlocV1450	float
flAnGBSPostRelocation	PostRlocV1500	float
flAnGBSPostRelocation	PostRlocV1550	float
flAnGBSPostRelocation	PostRlocV1600	float
flAnGBSPostRelocation	PostRlocV1650	float
flAnGBSPostRelocation	PostRlocV1700	float
flAnGBSPostRelocation	PostRlocV1750	float
flAnGBSPostRelocation	PostRlocV1800	float
flAnGBSPostRelocation	PostRlocV1850	float
flAnGBSPostRelocation	PostRlocV1900	float
flAnGBSPostRelocation	PostRlocV1950	float
flAnGBSPostRelocation	PostRlocV2000	float
flAnGBSPostRelocation	PostRlocV2050	float
flAnGBSPostRelocation	PostRlocV2100	float
flAnGBSPostRelocation	PostRlocV2150	float
flAnGBSPostRelocation	PostRlocV2200	float
flAnGBSPostRelocation	PostRlocV2250	float
flAnGBSPostRelocation	PostRlocV2300	float
flAnGBSPostRelocation	PostRlocV2350	float
flAnGBSPostRelocation	PostRlocV2400	float
flAnGBSPostRental	StudyCaseId	int
flAnGBSPostRental	CensusBlock	varchar(15)
flAnGBSPostRental	ReturnPeriodID	varchar(6)
flAnGBSPostRental	AnalysisOptId	int
flAnGBSPostRental	BlockType	char(1)
flAnGBSPostRental	ControlHazard	char
flAnGBSPostRental	CoastalZone	char(2)
flAnGBSPostRental	SOccup	varchar(5)
flAnGBSPostRental	PctSOccupId	varchar(6)
flAnGBSPostRental	FoundationType	char (10)
flAnGBSPostRental	PostRentTotal	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSPostRental	PostRent00	float
flAnGBSPostRental	PostRent50	float
flAnGBSPostRental	PostRent100	float
flAnGBSPostRental	PostRent150	float
flAnGBSPostRental	PostRent200	float
flAnGBSPostRental	PostRent250	float
flAnGBSPostRental	PostRent300	float
flAnGBSPostRental	PostRent350	float
flAnGBSPostRental	PostRent400	float
flAnGBSPostRental	PostRent450	float
flAnGBSPostRental	PostRent500	float
flAnGBSPostRental	PostRent550	float
flAnGBSPostRental	PostRent600	float
flAnGBSPostRental	PostRent650	float
flAnGBSPostRental	PostRent700	float
flAnGBSPostRental	PostRent750	float
flAnGBSPostRental	PostRent800	float
flAnGBSPostRental	PostRent850	float
flAnGBSPostRental	PostRent900	float
flAnGBSPostRental	PostRent950	float
flAnGBSPostRental	PostRent1000	float
flAnGBSPostRental	PostRent1050	float
flAnGBSPostRental	PostRent1100	float
flAnGBSPostRental	PostRent1150	float
flAnGBSPostRental	PostRent1200	float
flAnGBSPostRental	PostRent1250	float
flAnGBSPostRental	PostRent1300	float
flAnGBSPostRental	PostRent1350	float
flAnGBSPostRental	PostRent1400	float
flAnGBSPostRental	PostRent1450	float
flAnGBSPostRental	PostRent1500	float
flAnGBSPostRental	PostRent1550	float
flAnGBSPostRental	PostRent1600	float
flAnGBSPostRental	PostRent1650	float
flAnGBSPostRental	PostRent1700	float
flAnGBSPostRental	PostRent1750	float
flAnGBSPostRental	PostRent1800	float
flAnGBSPostRental	PostRent1850	float
flAnGBSPostRental	PostRent1900	float
flAnGBSPostRental	PostRent1950	float
flAnGBSPostRental	PostRent2000	float
flAnGBSPostRental	PostRent2050	float
flAnGBSPostRental	PostRent2100	float
flAnGBSPostRental	PostRent2150	float
flAnGBSPostRental	PostRent2200	float
flAnGBSPostRental	PostRent2250	float
flAnGBSPostRental	PostRent2300	float
flAnGBSPostRental	PostRent2350	float
flAnGBSPostRental	PostRent2400	float
flAnGBSPostRental	PostRentATotal	float
flAnGBSPostRental	PostRentA00	float
flAnGBSPostRental	PostRentA50	float
flAnGBSPostRental	PostRentA100	float
flAnGBSPostRental	PostRentA150	float
flAnGBSPostRental	PostRentA200	float
flAnGBSPostRental	PostRentA250	float
flAnGBSPostRental	PostRentA300	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSPostRental	PostRentA350	float
flAnGBSPostRental	PostRentA400	float
flAnGBSPostRental	PostRentA450	float
flAnGBSPostRental	PostRentA500	float
flAnGBSPostRental	PostRentA550	float
flAnGBSPostRental	PostRentA600	float
flAnGBSPostRental	PostRentA650	float
flAnGBSPostRental	PostRentA700	float
flAnGBSPostRental	PostRentA750	float
flAnGBSPostRental	PostRentA800	float
flAnGBSPostRental	PostRentA850	float
flAnGBSPostRental	PostRentA900	float
flAnGBSPostRental	PostRentA950	float
flAnGBSPostRental	PostRentA1000	float
flAnGBSPostRental	PostRentA1050	float
flAnGBSPostRental	PostRentA1100	float
flAnGBSPostRental	PostRentA1150	float
flAnGBSPostRental	PostRentA1200	float
flAnGBSPostRental	PostRentA1250	float
flAnGBSPostRental	PostRentA1300	float
flAnGBSPostRental	PostRentA1350	float
flAnGBSPostRental	PostRentA1400	float
flAnGBSPostRental	PostRentA1450	float
flAnGBSPostRental	PostRentA1500	float
flAnGBSPostRental	PostRentA1550	float
flAnGBSPostRental	PostRentA1600	float
flAnGBSPostRental	PostRentA1650	float
flAnGBSPostRental	PostRentA1700	float
flAnGBSPostRental	PostRentA1750	float
flAnGBSPostRental	PostRentA1800	float
flAnGBSPostRental	PostRentA1850	float
flAnGBSPostRental	PostRentA1900	float
flAnGBSPostRental	PostRentA1950	float
flAnGBSPostRental	PostRentA2000	float
flAnGBSPostRental	PostRentA2050	float
flAnGBSPostRental	PostRentA2100	float
flAnGBSPostRental	PostRentA2150	float
flAnGBSPostRental	PostRentA2200	float
flAnGBSPostRental	PostRentA2250	float
flAnGBSPostRental	PostRentA2300	float
flAnGBSPostRental	PostRentA2350	float
flAnGBSPostRental	PostRentA2400	float
flAnGBSPostRental	PostRentVTotal	float
flAnGBSPostRental	PostRentV00	float
flAnGBSPostRental	PostRentV50	float
flAnGBSPostRental	PostRentV100	float
flAnGBSPostRental	PostRentV150	float
flAnGBSPostRental	PostRentV200	float
flAnGBSPostRental	PostRentV250	float
flAnGBSPostRental	PostRentV300	float
flAnGBSPostRental	PostRentV350	float
flAnGBSPostRental	PostRentV400	float
flAnGBSPostRental	PostRentV450	float
flAnGBSPostRental	PostRentV500	float
flAnGBSPostRental	PostRentV550	float
flAnGBSPostRental	PostRentV600	float
flAnGBSPostRental	PostRentV650	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSPostRental	PostRentV700	float
flAnGBSPostRental	PostRentV750	float
flAnGBSPostRental	PostRentV800	float
flAnGBSPostRental	PostRentV850	float
flAnGBSPostRental	PostRentV900	float
flAnGBSPostRental	PostRentV950	float
flAnGBSPostRental	PostRentV1000	float
flAnGBSPostRental	PostRentV1050	float
flAnGBSPostRental	PostRentV1100	float
flAnGBSPostRental	PostRentV1150	float
flAnGBSPostRental	PostRentV1200	float
flAnGBSPostRental	PostRentV1250	float
flAnGBSPostRental	PostRentV1300	float
flAnGBSPostRental	PostRentV1350	float
flAnGBSPostRental	PostRentV1400	float
flAnGBSPostRental	PostRentV1450	float
flAnGBSPostRental	PostRentV1500	float
flAnGBSPostRental	PostRentV1550	float
flAnGBSPostRental	PostRentV1600	float
flAnGBSPostRental	PostRentV1650	float
flAnGBSPostRental	PostRentV1700	float
flAnGBSPostRental	PostRentV1750	float
flAnGBSPostRental	PostRentV1800	float
flAnGBSPostRental	PostRentV1850	float
flAnGBSPostRental	PostRentV1900	float
flAnGBSPostRental	PostRentV1950	float
flAnGBSPostRental	PostRentV2000	float
flAnGBSPostRental	PostRentV2050	float
flAnGBSPostRental	PostRentV2100	float
flAnGBSPostRental	PostRentV2150	float
flAnGBSPostRental	PostRentV2200	float
flAnGBSPostRental	PostRentV2250	float
flAnGBSPostRental	PostRentV2300	float
flAnGBSPostRental	PostRentV2350	float
flAnGBSPostRental	PostRentV2400	float
flAnGBSPreBuildingContent	StudyCaseId	int
flAnGBSPreBuildingContent	CensusBlock	char(15)
flAnGBSPreBuildingContent	ReturnPeriodID	varchar(6)
flAnGBSPreBuildingContent	AnalysisOptId	int
flAnGBSPreBuildingContent	BlockType	char(1)
flAnGBSPreBuildingContent	ControlHazard	char(1)
flAnGBSPreBuildingContent	CoastalZone	char(2)
flAnGBSPreBuildingContent	SOccup	char(5)
flAnGBSPreBuildingContent	PctSOccupId	varchar(6)
flAnGBSPreBuildingContent	FoundationType	char(10)
flAnGBSPreBuildingContent	PreBldgContTotal	real
flAnGBSPreDollDmg	StudyCaseId	int
flAnGBSPreDollDmg	CensusBlock	char(15)
flAnGBSPreDollDmg	ReturnPeriodID	varchar(6)
flAnGBSPreDollDmg	AnalysisOptId	int
flAnGBSPreDollDmg	BlockType	char(1)
flAnGBSPreDollDmg	ControlHazard	char(1)
flAnGBSPreDollDmg	CoastalZone	char(2)
flAnGBSPreDollDmg	SOccup	char(5)
flAnGBSPreDollDmg	PctSOccupId	varchar(6)
flAnGBSPreDollDmg	FoundationType	char(10)
flAnGBSPreDollDmg	PreDollDmgTotal	real

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSPreEmployment	StudyCaseId	int
flAnGBSPreEmployment	CensusBlock	char(15)
flAnGBSPreEmployment	ReturnPeriodID	varchar(6)
flAnGBSPreEmployment	AnalysisOptId	int
flAnGBSPreEmployment	BlockType	char(1)
flAnGBSPreEmployment	ControlHazard	char(1)
flAnGBSPreEmployment	CoastalZone	char(2)
flAnGBSPreEmployment	SOccup	char(5)
flAnGBSPreEmployment	PctSOccupId	varchar(6)
flAnGBSPreEmployment	FoundationType	char(10)
flAnGBSPreEmployment	PreEmpTotal	real
flAnGBSPreInvDmg	StudyCaseId	int
flAnGBSPreInvDmg	CensusBlock	char(15)
flAnGBSPreInvDmg	ReturnPeriodID	varchar(6)
flAnGBSPreInvDmg	AnalysisOptId	int
flAnGBSPreInvDmg	BlockType	char(1)
flAnGBSPreInvDmg	ControlHazard	char(1)
flAnGBSPreInvDmg	CoastalZone	char(2)
flAnGBSPreInvDmg	SOccup	char(5)
flAnGBSPreInvDmg	PctSOccupId	varchar(6)
flAnGBSPreInvDmg	FoundationType	char(10)
flAnGBSPreInvDmg	PreInvDmgTotal	real
flAnGBSPreOutput	StudyCaseId	int
flAnGBSPreOutput	CensusBlock	varchar(15)
flAnGBSPreOutput	ReturnPeriodID	varchar(6)
flAnGBSPreOutput	AnalysisOptId	int
flAnGBSPreOutput	BlockType	char(1)
flAnGBSPreOutput	ControlHazard	char
flAnGBSPreOutput	CoastalZone	char(2)
flAnGBSPreOutput	SOccup	varchar(5)
flAnGBSPreOutput	PctSOccupId	varchar(6)
flAnGBSPreOutput	FoundationType	char (10)
flAnGBSPreOutput	PreOutpTotal	float
flAnGBSPreOutput	PreOutp00	float
flAnGBSPreOutput	PreOutp50	float
flAnGBSPreOutput	PreOutp100	float
flAnGBSPreOutput	PreOutp150	float
flAnGBSPreOutput	PreOutp200	float
flAnGBSPreOutput	PreOutp250	float
flAnGBSPreOutput	PreOutp300	float
flAnGBSPreOutput	PreOutp350	float
flAnGBSPreOutput	PreOutp400	float
flAnGBSPreOutput	PreOutp450	float
flAnGBSPreOutput	PreOutp500	float
flAnGBSPreOutput	PreOutp550	float
flAnGBSPreOutput	PreOutp600	float
flAnGBSPreOutput	PreOutp650	float
flAnGBSPreOutput	PreOutp700	float
flAnGBSPreOutput	PreOutp750	float
flAnGBSPreOutput	PreOutp800	float
flAnGBSPreOutput	PreOutp850	float
flAnGBSPreOutput	PreOutp900	float
flAnGBSPreOutput	PreOutp950	float
flAnGBSPreOutput	PreOutp1000	float
flAnGBSPreOutput	PreOutp1050	float
flAnGBSPreOutput	PreOutp1100	float
flAnGBSPreOutput	PreOutp1150	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSPreOutput	PreOutp1200	float
flAnGBSPreOutput	PreOutp1250	float
flAnGBSPreOutput	PreOutp1300	float
flAnGBSPreOutput	PreOutp1350	float
flAnGBSPreOutput	PreOutp1400	float
flAnGBSPreOutput	PreOutp1450	float
flAnGBSPreOutput	PreOutp1500	float
flAnGBSPreOutput	PreOutp1550	float
flAnGBSPreOutput	PreOutp1600	float
flAnGBSPreOutput	PreOutp1650	float
flAnGBSPreOutput	PreOutp1700	float
flAnGBSPreOutput	PreOutp1750	float
flAnGBSPreOutput	PreOutp1800	float
flAnGBSPreOutput	PreOutp1850	float
flAnGBSPreOutput	PreOutp1900	float
flAnGBSPreOutput	PreOutp1950	float
flAnGBSPreOutput	PreOutp2000	float
flAnGBSPreOutput	PreOutp2050	float
flAnGBSPreOutput	PreOutp2100	float
flAnGBSPreOutput	PreOutp2150	float
flAnGBSPreOutput	PreOutp2200	float
flAnGBSPreOutput	PreOutp2250	float
flAnGBSPreOutput	PreOutp2300	float
flAnGBSPreOutput	PreOutp2350	float
flAnGBSPreOutput	PreOutp2400	float
flAnGBSPreRelocation	StudyCaseId	int
flAnGBSPreRelocation	CensusBlock	varchar(15)
flAnGBSPreRelocation	ReturnPeriodID	varchar(6)
flAnGBSPreRelocation	AnalysisOptId	int
flAnGBSPreRelocation	BlockType	char(1)
flAnGBSPreRelocation	ControlHazard	char
flAnGBSPreRelocation	CoastalZone	char(2)
flAnGBSPreRelocation	SOccup	varchar(5)
flAnGBSPreRelocation	PctSOccupId	varchar(6)
flAnGBSPreRelocation	FoundationType	char (10)
flAnGBSPreRelocation	PreRlocTotal	float
flAnGBSPreRelocation	PreRloc00	float
flAnGBSPreRelocation	PreRloc50	float
flAnGBSPreRelocation	PreRloc100	float
flAnGBSPreRelocation	PreRloc150	float
flAnGBSPreRelocation	PreRloc200	float
flAnGBSPreRelocation	PreRloc250	float
flAnGBSPreRelocation	PreRloc300	float
flAnGBSPreRelocation	PreRloc350	float
flAnGBSPreRelocation	PreRloc400	float
flAnGBSPreRelocation	PreRloc450	float
flAnGBSPreRelocation	PreRloc500	float
flAnGBSPreRelocation	PreRloc550	float
flAnGBSPreRelocation	PreRloc600	float
flAnGBSPreRelocation	PreRloc650	float
flAnGBSPreRelocation	PreRloc700	float
flAnGBSPreRelocation	PreRloc750	float
flAnGBSPreRelocation	PreRloc800	float
flAnGBSPreRelocation	PreRloc850	float
flAnGBSPreRelocation	PreRloc900	float
flAnGBSPreRelocation	PreRloc950	float
flAnGBSPreRelocation	PreRloc1000	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSPreRelocation	PreRloc1050	float
flAnGBSPreRelocation	PreRloc1100	float
flAnGBSPreRelocation	PreRloc1150	float
flAnGBSPreRelocation	PreRloc1200	float
flAnGBSPreRelocation	PreRloc1250	float
flAnGBSPreRelocation	PreRloc1300	float
flAnGBSPreRelocation	PreRloc1350	float
flAnGBSPreRelocation	PreRloc1400	float
flAnGBSPreRelocation	PreRloc1450	float
flAnGBSPreRelocation	PreRloc1500	float
flAnGBSPreRelocation	PreRloc1550	float
flAnGBSPreRelocation	PreRloc1600	float
flAnGBSPreRelocation	PreRloc1650	float
flAnGBSPreRelocation	PreRloc1700	float
flAnGBSPreRelocation	PreRloc1750	float
flAnGBSPreRelocation	PreRloc1800	float
flAnGBSPreRelocation	PreRloc1850	float
flAnGBSPreRelocation	PreRloc1900	float
flAnGBSPreRelocation	PreRloc1950	float
flAnGBSPreRelocation	PreRloc2000	float
flAnGBSPreRelocation	PreRloc2050	float
flAnGBSPreRelocation	PreRloc2100	float
flAnGBSPreRelocation	PreRloc2150	float
flAnGBSPreRelocation	PreRloc2200	float
flAnGBSPreRelocation	PreRloc2250	float
flAnGBSPreRelocation	PreRloc2300	float
flAnGBSPreRelocation	PreRloc2350	float
flAnGBSPreRelocation	PreRloc2400	float
flAnGBSPreRental	StudyCaseId	int
flAnGBSPreRental	CensusBlock	varchar(15)
flAnGBSPreRental	ReturnPeriodID	varchar(6)
flAnGBSPreRental	AnalysisOptId	int
flAnGBSPreRental	BlockType	char(1)
flAnGBSPreRental	ControlHazard	char
flAnGBSPreRental	CoastalZone	char(2)
flAnGBSPreRental	SOccup	varchar(5)
flAnGBSPreRental	PctSOccupId	varchar(6)
flAnGBSPreRental	FoundationType	char (10)
flAnGBSPreRental	PreRentTotal	float
flAnGBSPreRental	PreRent00	float
flAnGBSPreRental	PreRent50	float
flAnGBSPreRental	PreRent100	float
flAnGBSPreRental	PreRent150	float
flAnGBSPreRental	PreRent200	float
flAnGBSPreRental	PreRent250	float
flAnGBSPreRental	PreRent300	float
flAnGBSPreRental	PreRent350	float
flAnGBSPreRental	PreRent400	float
flAnGBSPreRental	PreRent450	float
flAnGBSPreRental	PreRent500	float
flAnGBSPreRental	PreRent550	float
flAnGBSPreRental	PreRent600	float
flAnGBSPreRental	PreRent650	float
flAnGBSPreRental	PreRent700	float
flAnGBSPreRental	PreRent750	float
flAnGBSPreRental	PreRent800	float
flAnGBSPreRental	PreRent850	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnGBSPreRental	PreRent900	float
flAnGBSPreRental	PreRent950	float
flAnGBSPreRental	PreRent1000	float
flAnGBSPreRental	PreRent1050	float
flAnGBSPreRental	PreRent1100	float
flAnGBSPreRental	PreRent1150	float
flAnGBSPreRental	PreRent1200	float
flAnGBSPreRental	PreRent1250	float
flAnGBSPreRental	PreRent1300	float
flAnGBSPreRental	PreRent1350	float
flAnGBSPreRental	PreRent1400	float
flAnGBSPreRental	PreRent1450	float
flAnGBSPreRental	PreRent1500	float
flAnGBSPreRental	PreRent1550	float
flAnGBSPreRental	PreRent1600	float
flAnGBSPreRental	PreRent1650	float
flAnGBSPreRental	PreRent1700	float
flAnGBSPreRental	PreRent1750	float
flAnGBSPreRental	PreRent1800	float
flAnGBSPreRental	PreRent1850	float
flAnGBSPreRental	PreRent1900	float
flAnGBSPreRental	PreRent1950	float
flAnGBSPreRental	PreRent2000	float
flAnGBSPreRental	PreRent2050	float
flAnGBSPreRental	PreRent2100	float
flAnGBSPreRental	PreRent2150	float
flAnGBSPreRental	PreRent2200	float
flAnGBSPreRental	PreRent2250	float
flAnGBSPreRental	PreRent2300	float
flAnGBSPreRental	PreRent2350	float
flAnGBSPreRental	PreRent2400	float
flAnResultsControl	ReturnPeriodId	char(6)
flAnResultsControl	StudyCaseId	int
flAnResultsControl	AnalysisOptId	int
flAnResultsControl	AnCatId	int
flAnResultsControl	AnalysisBit	int
flAnShelterResult	CensusBlock	char(15)
flAnShelterResult	AnalysisOptId	int
flAnShelterResult	ReturnPeriodID	varchar(6)
flAnShelterResult	StudyCaseId	int
flAnShelterResult	CensusArea	float
flAnShelterResult	AffectArea	float
flAnShelterResult	PctArea	float
flAnShelterResult	ControlHazard	char(1)
flAnVehicleFinal	StudyCaseId	int
flAnVehicleFinal	CensusBlock	varchar(15)
flAnVehicleFinal	ReturnPeriodId	varchar(6)
flAnVehicleFinal	AnalysisOptId	int
flAnVehicleFinal	Vehicle	varchar(5)
flAnVehicleFinal	VehicleNature	varchar(1)
flAnVehicleFinal	NumofVehicle	int
flAnVehicleFinal	Val	float
flAnVehicleFinal	VehDmgFnID	int
flAnVehicleFinal	ControlHazard	char(1)
flAnVehicleFinal	CoastalZone	char(2)
flAnVehicleFinal	SumDmg	float
flAnVehicleFinal	Loss	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnVehicleFinal	ft00	float
flAnVehicleFinal	ft50	float
flAnVehicleFinal	ft100	float
flAnVehicleFinal	ft150	float
flAnVehicleFinal	ft200	float
flAnVehicleFinal	ft250	float
flAnVehicleFinal	ft300	float
flAnVehicleFinal	ft350	float
flAnVehicleFinal	ft400	float
flAnVehicleFinal	ft450	float
flAnVehicleFinal	ft500	float
flAnVehicleFinal	ft550	float
flAnVehicleFinal	ft600	float
flAnVehicleFinal	ft650	float
flAnVehicleFinal	ft700	float
flAnVehicleFinal	ft750	float
flAnVehicleFinal	ft800	float
flAnVehicleFinal	ft850	float
flAnVehicleFinal	ft900	float
flAnVehicleFinal	ft950	float
flAnVehicleFinal	ft1000	float
flAnVehicleFinal	ft1050	float
flAnVehicleFinal	ft1100	float
flAnVehicleFinal	ft1150	float
flAnVehicleFinal	ft1200	float
flAnVehicleFinal	ft1250	float
flAnVehicleFinal	ft1300	float
flAnVehicleFinal	ft1350	float
flAnVehicleFinal	Sf00	float
flAnVehicleFinal	Sf00_5	float
flAnVehicleFinal	Sf01	float
flAnVehicleFinal	Sf01_5	float
flAnVehicleFinal	Sf02	float
flAnVehicleFinal	Sf02_5	float
flAnVehicleFinal	Sf03	float
flAnVehicleFinal	Sf03_5	float
flAnVehicleFinal	Sf04	float
flAnVehicleFinal	Sf04_5	float
flAnVehicleFinal	Sf05	float
flAnVehicleFinal	Sf05_5	float
flAnVehicleFinal	Sf06	float
flAnVehicleFinal	Sf06_5	float
flAnVehicleFinal	Sf07	float
flAnVehicleFinal	Sf07_5	float
flAnVehicleFinal	Sf08	float
flAnVehicleFinal	Sf08_5	float
flAnVehicleFinal	Sf09	float
flAnVehicleFinal	Sf09_5	float
flAnVehicleFinal	Sf10	float
flAnVehicleFinal	Sf10_5	float
flAnVehicleFinal	Sf11	float
flAnVehicleFinal	Sf11_5	float
flAnVehicleFinal	Sf12	float
flAnVehicleFinal	Sf12_5	float
flAnVehicleFinal	Sf13	float
flAnVehicleFinal	Sf13_5	float
flAnalysisOptions	ID	int

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flAnalysisOptions	NodeId	int
flAnalysisOptions	ParentId	int
flAnalysisOptions	Display	char(50)
flAnalysisOptions	AnalysisCategory	int
flAnalysisOptions	AnalysisOptionBit	int
flAnalysisOptions	PrerequisiteId	char(250)
flAnalysisOptions	Operational	bit
flBldgAges	CensusBlock	char(15)
flBldgAges	PreFirmI	int
flBldgAges	PostFirmI	int
flBldgContDmgFn	ContDmgFnId	numeric
flBldgContDmgFn	Occupancy	char(5)
flBldgContDmgFn	Source	varchar(50)
flBldgContDmgFn	Description	varchar(100)
flBldgContDmgFn	ft04m	float
flBldgContDmgFn	ft03m	float
flBldgContDmgFn	ft02m	float
flBldgContDmgFn	ft01m	float
flBldgContDmgFn	ft00	float
flBldgContDmgFn	ft01	float
flBldgContDmgFn	ft02	float
flBldgContDmgFn	ft03	float
flBldgContDmgFn	ft04	float
flBldgContDmgFn	ft05	float
flBldgContDmgFn	ft06	float
flBldgContDmgFn	ft07	float
flBldgContDmgFn	ft08	float
flBldgContDmgFn	ft09	float
flBldgContDmgFn	ft10	float
flBldgContDmgFn	ft11	float
flBldgContDmgFn	ft12	float
flBldgContDmgFn	ft13	float
flBldgContDmgFn	ft14	float
flBldgContDmgFn	ft15	float
flBldgContDmgFn	ft16	float
flBldgContDmgFn	ft17	float
flBldgContDmgFn	ft18	float
flBldgContDmgFn	ft19	float
flBldgContDmgFn	ft20	float
flBldgContDmgFn	ft21	float
flBldgContDmgFn	ft22	float
flBldgContDmgFn	ft23	float
flBldgContDmgFn	ft24	float
flBldgContDmgFn	Comment	varchar(255)
flBldgContDmgNonResUnionDetails	SOccupId	char(5)
flBldgContDmgNonResUnionDetails	Occupancy	char(5)
flBldgContDmgNonResUnionDetails	NumStories	varchar(10)
flBldgContDmgNonResUnionDetails	Basement	bit
flBldgContDmgNonResUnionDetails	SortOrder	int
flBldgContDmgRES1_2UnionDetails	SOccupId	char(5)
flBldgContDmgRES1_2UnionDetails	Occupancy	char(5)
flBldgContDmgRES1_2UnionDetails	NumStories	varchar(11)
flBldgContDmgRES1_2UnionDetails	Basement	bit
flBldgContDmgRES1_2UnionDetails	SortOrder	int
flBldgContDmgRES3UnionDetails	SOccupId	char(5)
flBldgContDmgRES3UnionDetails	Occupancy	char(5)
flBldgContDmgRES3UnionDetails	NumStories	varchar(15)

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flBldgContDmgRES3UnionDetails	Basement	bit
flBldgContDmgRES3UnionDetails	SortOrder	int
flBldgContDmgXRef	SOccupId	char(5)
flBldgContDmgXRef	ContDmgFnId	int
flBldgContDmgXRef	DefaultFn	bit
flBldgContDmgXRef	Selected	bit
flBldgContDmgXRef	Editable	bit
flBldgContDmgXRef	HazardR	bit
flBldgContDmgXRef	HazardCA	bit
flBldgContDmgXRef	HazardCV	bit
flBldgEconParamOwnerOccupied	Occupancy	char(5)
flBldgEconParamOwnerOccupied	PctOwnerOccupied	float
flBldgEconParamRecaptureFactors	Occupancy	char(5)
flBldgEconParamRecaptureFactors	PctWageRecapture	float
flBldgEconParamRecaptureFactors	PctEmploymentRecapture	float
flBldgEconParamRecaptureFactors	PctIncomeRecapture	float
flBldgEconParamRecaptureFactors	PctOutputRecapture	float
flBldgEconParamRental	Occupancy	char(5)
flBldgEconParamRental	RentalCostsPerSqFtPerMonth	float
flBldgEconParamRental	RentalCostsPerSqFtPerDay	float
flBldgEconParamRental	DisruptionCostsPerSqFt	float
flBldgEconParamSalesAndInv	Occupancy	char(5)
flBldgEconParamSalesAndInv	AnnualSalesPerSqFt	float
flBldgEconParamSalesAndInv	BusinessInvPctofSales	float
flBldgEconParamWageCapitalIncome	Occupancy	char(5)
flBldgEconParamWageCapitalIncome	IncomePerSqftPerYear	float
flBldgEconParamWageCapitalIncome	IncomePerSqftPerDay	float
flBldgEconParamWageCapitalIncome	WagePerSqftDay	float
flBldgEconParamWageCapitalIncome	EmployeesPerSqft	float
flBldgEconParamWageCapitalIncome	OutputPerSqftDay	float
flBldgInvDmgFn	InvDmgFnId	numeric
flBldgInvDmgFn	Occupancy	char(5)
flBldgInvDmgFn	Source	varchar(50)
flBldgInvDmgFn	Description	varchar(100)
flBldgInvDmgFn	ft04m	float
flBldgInvDmgFn	ft03m	float
flBldgInvDmgFn	ft02m	float
flBldgInvDmgFn	ft01m	float
flBldgInvDmgFn	ft00	float
flBldgInvDmgFn	ft01	float
flBldgInvDmgFn	ft02	float
flBldgInvDmgFn	ft03	float
flBldgInvDmgFn	ft04	float
flBldgInvDmgFn	ft05	float
flBldgInvDmgFn	ft06	float
flBldgInvDmgFn	ft07	float
flBldgInvDmgFn	ft08	float
flBldgInvDmgFn	ft09	float
flBldgInvDmgFn	ft10	float
flBldgInvDmgFn	ft11	float
flBldgInvDmgFn	ft12	float
flBldgInvDmgFn	ft13	float
flBldgInvDmgFn	ft14	float
flBldgInvDmgFn	ft15	float
flBldgInvDmgFn	ft16	float
flBldgInvDmgFn	ft17	float
flBldgInvDmgFn	ft18	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flBldgInvDmgFn	ft19	float
flBldgInvDmgFn	ft20	float
flBldgInvDmgFn	ft21	float
flBldgInvDmgFn	ft22	float
flBldgInvDmgFn	ft23	float
flBldgInvDmgFn	ft24	float
flBldgInvDmgFn	Comment	varchar(255)
flBldgInvDmgNonResUnionDetails	SOccupId	char(5)
flBldgInvDmgNonResUnionDetails	Occupancy	char(5)
flBldgInvDmgNonResUnionDetails	NumStories	varchar(10)
flBldgInvDmgNonResUnionDetails	Basement	bit
flBldgInvDmgNonResUnionDetails	SortOrder	int
flBldgInvDmgXRef	SOccupId	char(5)
flBldgInvDmgXRef	InvDmgFnId	int
flBldgInvDmgXRef	DefaultFn	bit
flBldgInvDmgXRef	Selected	bit
flBldgInvDmgXRef	Editable	bit
flBldgInvDmgXRef	HazardR	bit
flBldgInvDmgXRef	HazardCA	bit
flBldgInvDmgXRef	HazardCV	bit
flBldgStructDmgFn	SOccupId	char(5)
flBldgStructDmgFn	Occupancy	char(5)
flBldgStructDmgFn	NumStories	varchar(10)
flBldgStructDmgFn	Basement	bit
flBldgStructDmgFn	SortOrder	int
flBldgStructDmgNonResUnionDetails	SOccupId	char(5)
flBldgStructDmgNonResUnionDetails	Occupancy	char(5)
flBldgStructDmgNonResUnionDetails	NumStories	varchar(10)
flBldgStructDmgNonResUnionDetails	Basement	bit
flBldgStructDmgNonResUnionDetails	SortOrder	int
flBldgStructDmgRES1_2UnionDetails	SOccupId	char(5)
flBldgStructDmgRES1_2UnionDetails	Occupancy	char(5)
flBldgStructDmgRES1_2UnionDetails	NumStories	varchar(11)
flBldgStructDmgRES1_2UnionDetails	Basement	bit
flBldgStructDmgRES1_2UnionDetails	SortOrder	int
flBldgStructDmgRES3UnionDetails	SOccupId	char(5)
flBldgStructDmgRES3UnionDetails	Occupancy	char(5)
flBldgStructDmgRES3UnionDetails	NumStories	varchar(15)
flBldgStructDmgRES3UnionDetails	Basement	bit
flBldgStructDmgRES3UnionDetails	SortOrder	int
flBldgStructDmgXRef	SOccupId	char(5)
flBldgStructDmgXRef	BldgDmgFnId	int
flBldgStructDmgXRef	DefaultFn	bit
flBldgStructDmgXRef	Selected	bit
flBldgStructDmgXRef	Editable	bit
flBldgStructDmgXRef	HazardR	bit
flBldgStructDmgXRef	HazardCA	bit
flBldgStructDmgXRef	HazardCV	bit
flBridgeDmgFn	BridgeDmgFnId	numeric
flBridgeDmgFn	Occupancy	char(7)
flBridgeDmgFn	Source	char(16)
flBridgeDmgFn	Description	varchar(50)
flBridgeDmgFn	RP0	real
flBridgeDmgFn	RP25	real
flBridgeDmgFn	RP50	real
flBridgeDmgFn	RP75	real
flBridgeDmgFn	RP100	real

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flBridgeDmgFn	RP125	real
flBridgeDmgFn	RP150	real
flBridgeDmgFn	RP175	real
flBridgeDmgFn	RP200	real
flBridgeDmgFn	RP225	real
flBridgeDmgFn	RP250	real
flBridgeDmgFn	RP275	real
flBridgeDmgFn	RP300	real
flBridgeDmgFn	RP325	real
flBridgeDmgFn	RP350	real
flBridgeDmgFn	RP375	real
flBridgeDmgFn	RP400	real
flBridgeDmgFn	RP425	real
flBridgeDmgFn	RP450	real
flBridgeDmgFn	RP475	real
flBridgeDmgFn	RP500	real
flBridgeDmgFn	RP525	real
flBridgeDmgFn	RP550	real
flBridgeDmgFn	RP575	real
flBridgeDmgFn	RP600	real
flBridgeDmgFn	RP625	real
flBridgeDmgFn	RP650	real
flBridgeDmgFn	RP675	real
flBridgeDmgFn	RP700	real
flBridgeDmgFn	RP725	real
flBridgeDmgFn	RP750	real
flBridgeDmgFn	RP775	real
flBridgeDmgFn	RP800	real
flBridgeDmgFn	RP825	real
flBridgeDmgFn	RP850	real
flBridgeDmgFn	RP875	real
flBridgeDmgFn	RP900	real
flBridgeDmgFn	RP925	real
flBridgeDmgFn	RP950	real
flBridgeDmgFn	RP975	real
flBridgeDmgFn	RP1000	real
flBridgeDmgFn	Comment	varchar(255)
flBridgeDmgXRef	SOccupId	char(7)
flBridgeDmgXRef	BridgeDmgFnId	smallint
flBridgeDmgXRef	DefaultFn	bit
flBridgeDmgXRef	Selected	bit
flBridgeDmgXRef	Editable	bit
flBridgeDmgXRef	HazardR	bit
flBridgeDmgXRef	HazardCA	bit
flBridgeDmgXRef	HazardCV	bit
flBridgeDmgFinal	SOccupId	char(7)
flBridgeDmgFinal	BridgeDmgFnId	smallint
flBridgeDmgFinal	DefaultFn	bit
flBridgeDmgFinal	Selected	bit
flBridgeDmgFinal	Editable	bit
flBridgeDmgFinal	HazardR	bit
flBridgeDmgFinal	HazardCA	bit
flBridgeDmgFinal	HazardCV	bit
flBridgeUnionDetails	SOccupId	char(7)
flBridgeUnionDetails	Occupancy	char(5)
flBridgeUnionDetails	ScourPotential	char(1)
flBridgeUnionDetails	BridgeType	varchar(16)

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flBridgeUnionDetails	SortOrder	int
flBrowserControl	Layout_Name	char(50)
flBrowserControl	Control	char(50)
flBrowserControl	Property	char(50)
flBrowserControl	Value	char(255)
flCREssntFlty	CountyFips	char(5)
flCREssntFlty	CountCareFlty	int
flCREssntFlty	BedsCareFlty	int
flCREssntFlty	CountEoc	int
flCREssntFlty	CountFire	int
flCREssntFlty	CountPolice	int
flCREssntFlty	CountSchool	int
flCareFlty	CareFltyId	char(8)
flCareFlty	BldgType	varchar(15)
flCareFlty	DesignLevel	char(1)
flCareFlty	FoundationType	char(1)
flCareFlty	FirstFloorHt	float
flCareFlty	BldgDamageFnId	varchar(10)
flCareFlty	ContDamageFnId	varchar(10)
flCareFlty	FloodProtection	int
flCareFltyDflt	EFClass	char(5)
flCareFltyDflt	BldgType	varchar(15)
flCareFltyDflt	DesignLevel	char(1)
flCareFltyDflt	FoundationType	char(1)
flCareFltyDflt	FirstFloorHt	float
flCareFltyDflt	BldgDamageFnId	varchar(10)
flCareFltyDflt	ContDamageFnId	varchar(10)
flCareFltyDflt	FloodProtection	int
flCustomUI	ID	int
flCustomUI	MenuAction	int
flCustomUI	ParentMenuId	int
flCustomUI	MenuPosition	int
flCustomUI	MenuId	int
flCustomUI	MenuCaption	char(50)
flCustomUI	RefGuid	char(50)
flCustomUI	IsGroup	char(1)
flCustomUI	Argument	char(50)
flCustomUI	EnableRule	bigint
flCustomUI	StatusMessage	char(85)
flDayVehicleInv	CensusBlock	char(15)
flDayVehicleInv	TotalVehicle	int
flDayVehicleInv	Cars	int
flDayVehicleInv	LightTrucks	int
flDayVehicleInv	HeavyTrucks	int
flDayVehicleInv	TotalExp	float
flDayVehicleInv	TValNewCars	float
flDayVehicleInv	TValUsedCars	float
flDayVehicleInv	TValNewLightTrucks	float
flDayVehicleInv	TValUsedLightTrucks	float
flDayVehicleInv	TValNewHeavyTrucks	float
flDayVehicleInv	TValUsedHeavyTrucks	float
flDebris	SOccup	varchar(5)
flDebris	FoundType	varchar(10)
flDebris	MinFloodDepth	int
flDebris	MaxFloodDepth	int
flDebris	FinishWt	float
flDebris	StructureWt	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flDebris	FoundationWt	float
flDepExposureContentGBldgTypeB	CensusBlock	char(15)
flDepExposureContentGBldgTypeB	TotalExp	int
flDepExposureContentGBldgTypeB	WoodI	int
flDepExposureContentGBldgTypeB	SteelI	int
flDepExposureContentGBldgTypeB	ConcreteI	int
flDepExposureContentGBldgTypeB	MasonryI	int
flDepExposureContentGBldgTypeB	ManufHousingI	int
flDepExposureContentOccupB	CensusBlock	char(15)
flDepExposureContentOccupB	TotalExp	int
flDepExposureContentOccupB	RESI	int
flDepExposureContentOccupB	COMI	int
flDepExposureContentOccupB	INDI	int
flDepExposureContentOccupB	AGRI	int
flDepExposureContentOccupB	RELI	int
flDepExposureContentOccupB	GOVI	int
flDepExposureContentOccupB	EDUI	int
flDepExposureContentOccupB	RES1I	int
flDepExposureContentOccupB	RES2I	int
flDepExposureContentOccupB	RES3AI	int
flDepExposureContentOccupB	RES3BI	int
flDepExposureContentOccupB	RES3CI	int
flDepExposureContentOccupB	RES3DI	int
flDepExposureContentOccupB	RES3EI	int
flDepExposureContentOccupB	RES3FI	int
flDepExposureContentOccupB	RES4I	int
flDepExposureContentOccupB	RES5I	int
flDepExposureContentOccupB	RES6I	int
flDepExposureContentOccupB	COM1I	int
flDepExposureContentOccupB	COM2I	int
flDepExposureContentOccupB	COM3I	int
flDepExposureContentOccupB	COM4I	int
flDepExposureContentOccupB	COM5I	int
flDepExposureContentOccupB	COM6I	int
flDepExposureContentOccupB	COM7I	int
flDepExposureContentOccupB	COM8I	int
flDepExposureContentOccupB	COM9I	int
flDepExposureContentOccupB	COM10I	int
flDepExposureContentOccupB	IND1I	int
flDepExposureContentOccupB	IND2I	int
flDepExposureContentOccupB	IND3I	int
flDepExposureContentOccupB	IND4I	int
flDepExposureContentOccupB	IND5I	int
flDepExposureContentOccupB	IND6I	int
flDepExposureContentOccupB	AGR1I	int
flDepExposureContentOccupB	REL1I	int
flDepExposureContentOccupB	GOV1I	int
flDepExposureContentOccupB	GOV2I	int
flDepExposureContentOccupB	EDU1I	int
flDepExposureContentOccupB	EDU2I	int
flDepExposureGBldgTypeB	CensusBlock	char(15)
flDepExposureGBldgTypeB	TotalExp	int
flDepExposureGBldgTypeB	WoodI	int
flDepExposureGBldgTypeB	SteelI	int
flDepExposureGBldgTypeB	ConcreteI	int
flDepExposureGBldgTypeB	MasonryI	int
flDepExposureGBldgTypeB	ManufHousingI	int

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flDepExposureGBldgTypeTotal	CensusBlock	char(15)
flDepExposureGBldgTypeTotal	TotalExp	int
flDepExposureGBldgTypeTotal	WoodI	int
flDepExposureGBldgTypeTotal	SteelI	int
flDepExposureGBldgTypeTotal	ConcreteI	int
flDepExposureGBldgTypeTotal	MasonryI	int
flDepExposureGBldgTypeTotal	ManufHousingI	int
flDepExposureOccupB	CensusBlock	int
flDepExposureOccupB	TotalExp	int
flDepExposureOccupB	RESI	int
flDepExposureOccupB	COMI	int
flDepExposureOccupB	INDI	int
flDepExposureOccupB	AGRI	int
flDepExposureOccupB	RELI	int
flDepExposureOccupB	GOVI	int
flDepExposureOccupB	EDUI	int
flDepExposureOccupB	RES1I	int
flDepExposureOccupB	RES2I	int
flDepExposureOccupB	RES3AI	int
flDepExposureOccupB	RES3BI	int
flDepExposureOccupB	RES3CI	int
flDepExposureOccupB	RES3DI	int
flDepExposureOccupB	RES3EI	int
flDepExposureOccupB	RES3FI	int
flDepExposureOccupB	RES4I	int
flDepExposureOccupB	RES5I	int
flDepExposureOccupB	RES6I	int
flDepExposureOccupB	COM1I	int
flDepExposureOccupB	COM2I	int
flDepExposureOccupB	COM3I	int
flDepExposureOccupB	COM4I	int
flDepExposureOccupB	COM5I	int
flDepExposureOccupB	COM6I	int
flDepExposureOccupB	COM7I	int
flDepExposureOccupB	COM8I	int
flDepExposureOccupB	COM9I	int
flDepExposureOccupB	COM10I	int
flDepExposureOccupB	IND1I	int
flDepExposureOccupB	IND2I	int
flDepExposureOccupB	IND3I	int
flDepExposureOccupB	IND4I	int
flDepExposureOccupB	IND5I	int
flDepExposureOccupB	IND6I	int
flDepExposureOccupB	AGR1I	int
flDepExposureOccupB	REL1I	int
flDepExposureOccupB	GOV1I	int
flDepExposureOccupB	GOV2I	int
flDepExposureOccupB	EDU1I	int
flDepExposureOccupB	EDU2I	int
flDepExposureOccupTotal	CensusBlock	char(15)
flDepExposureOccupTotal	TotalExp	int
flDepExposureOccupTotal	RESI	int
flDepExposureOccupTotal	COMI	int
flDepExposureOccupTotal	INDI	int
flDepExposureOccupTotal	AGRI	int
flDepExposureOccupTotal	RELI	int
flDepExposureOccupTotal	GOVI	int

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flDepExposureOccupTotal	EDUI	int
flDepExposureOccupTotal	RES1I	int
flDepExposureOccupTotal	RES2I	int
flDepExposureOccupTotal	RES3AI	int
flDepExposureOccupTotal	RES3BI	int
flDepExposureOccupTotal	RES3CI	int
flDepExposureOccupTotal	RES3DI	int
flDepExposureOccupTotal	RES3EI	int
flDepExposureOccupTotal	RES3FI	int
flDepExposureOccupTotal	RES4I	int
flDepExposureOccupTotal	RES5I	int
flDepExposureOccupTotal	RES6I	int
flDepExposureOccupTotal	COM1I	int
flDepExposureOccupTotal	COM2I	int
flDepExposureOccupTotal	COM3I	int
flDepExposureOccupTotal	COM4I	int
flDepExposureOccupTotal	COM5I	int
flDepExposureOccupTotal	COM6I	int
flDepExposureOccupTotal	COM7I	int
flDepExposureOccupTotal	COM8I	int
flDepExposureOccupTotal	COM9I	int
flDepExposureOccupTotal	COM10I	int
flDepExposureOccupTotal	IND1I	int
flDepExposureOccupTotal	IND2I	int
flDepExposureOccupTotal	IND3I	int
flDepExposureOccupTotal	IND4I	int
flDepExposureOccupTotal	IND5I	int
flDepExposureOccupTotal	IND6I	int
flDepExposureOccupTotal	AGR1I	int
flDepExposureOccupTotal	REL1I	int
flDepExposureOccupTotal	GOV1I	int
flDepExposureOccupTotal	GOV2I	int
flDepExposureOccupTotal	EDU1I	int
flDepExposureOccupTotal	EDU2I	int
flDepFunction	Age	int
flDepFunction	RES1Good	float
flDepFunction	RES1Average	float
flDepFunction	RES1Poor	float
flDepFunction	RES2	float
flDepFunction	RES3A	float
flDepFunction	RES3B	float
flDepFunction	RES3C	float
flDepFunction	RES3D	float
flDepFunction	RES3E	float
flDepFunction	RES3F	float
flDepFunction	RES4	float
flDepFunction	RES5	float
flDepFunction	RES6	float
flDepFunction	COM1	float
flDepFunction	COM2	float
flDepFunction	COM3	float
flDepFunction	COM4	float
flDepFunction	COM5	float
flDepFunction	COM6	float
flDepFunction	COM7	float
flDepFunction	COM8	float
flDepFunction	COM9	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flDepFunction	COM10	float
flDepFunction	IND1	float
flDepFunction	IND2	float
flDepFunction	IND3	float
flDepFunction	IND4	float
flDepFunction	IND5	float
flDepFunction	IND6	float
flDepFunction	AGR1	float
flDepFunction	REL1	float
flDepFunction	GOV1	float
flDepFunction	GOV2	float
flDepFunction	EDU1	float
flDepFunction	EDU2	float
flERSreg	CountyFIPS	char(5)
flERSreg	ERSregion	smallint
flERSreg	CRD	int
flERSregName	ERSregion	smallint
flERSregName	RegName	varchar(50)
flElectricPowerFlty	ElectricPowerFltyId	char(8)
flElectricPowerFlty	UtilIndicator	int
flElectricPowerFlty	FoundationType	char(1)
flElectricPowerFlty	EquipmentHt	float
flElectricPowerFlty	FloodProtection	int
flElectricPowerFlty	UtilDamageFnId	varchar(10)
flElectricPowerFltyDflt	UtilFcltyClass	char(5)
flElectricPowerFltyDflt	UtilIndicator	int
flElectricPowerFltyDflt	FoundationType	char(1)
flElectricPowerFltyDflt	EquipmentHt	float
flElectricPowerFltyDflt	FloodProtection	int
flElectricPowerFltyDflt	UtilDamageFnId	varchar(10)
flEmergencyCtr	Eocid	char(8)
flEmergencyCtr	BldgType	varchar(15)
flEmergencyCtr	DesignLevel	char(1)
flEmergencyCtr	FoundationType	char(1)
flEmergencyCtr	FirstFloorHt	float
flEmergencyCtr	BldgDamageFnId	varchar(10)
flEmergencyCtr	ContDamageFnId	varchar(10)
flEmergencyCtr	FloodProtection	int
flEmergencyCtrDflt	EfClass	char(5)
flEmergencyCtrDflt	BldgType	varchar(15)
flEmergencyCtrDflt	DesignLevel	char(1)
flEmergencyCtrDflt	FoundationType	char(1)
flEmergencyCtrDflt	FirstFloorHt	float
flEmergencyCtrDflt	BldgDamageFnId	varchar(10)
flEmergencyCtrDflt	ContDamageFnId	varchar(10)
flEmergencyCtrDflt	FloodProtection	int
flEssntFltyContDmgFn	ContDmgFnId	numeric
flEssntFltyContDmgFn	Occupancy	char(5)
flEssntFltyContDmgFn	Source	varchar(50)
flEssntFltyContDmgFn	Description	varchar(100)
flEssntFltyContDmgFn	ft04m	float
flEssntFltyContDmgFn	ft03m	float
flEssntFltyContDmgFn	ft02m	float
flEssntFltyContDmgFn	ft01m	float
flEssntFltyContDmgFn	ft00	float
flEssntFltyContDmgFn	ft01	float
flEssntFltyContDmgFn	ft02	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flEssntFltyContDmgFn	ft03	float
flEssntFltyContDmgFn	ft04	float
flEssntFltyContDmgFn	ft05	float
flEssntFltyContDmgFn	ft06	float
flEssntFltyContDmgFn	ft07	float
flEssntFltyContDmgFn	ft08	float
flEssntFltyContDmgFn	ft09	float
flEssntFltyContDmgFn	ft10	float
flEssntFltyContDmgFn	ft11	float
flEssntFltyContDmgFn	ft12	float
flEssntFltyContDmgFn	ft13	float
flEssntFltyContDmgFn	ft14	float
flEssntFltyContDmgFn	ft15	float
flEssntFltyContDmgFn	ft16	float
flEssntFltyContDmgFn	ft17	float
flEssntFltyContDmgFn	ft18	float
flEssntFltyContDmgFn	ft19	float
flEssntFltyContDmgFn	ft20	float
flEssntFltyContDmgFn	ft21	float
flEssntFltyContDmgFn	ft22	float
flEssntFltyContDmgFn	ft23	float
flEssntFltyContDmgFn	ft24	float
flEssntFltyContDmgFn	Comment	varchar(255)
flEssntFltyContDmgXRef	SOccupId	char(5)
flEssntFltyContDmgXRef	ContDmgFnId	int
flEssntFltyContDmgXRef	DefaultFn	bit
flEssntFltyContDmgXRef	Selected	bit
flEssntFltyContDmgXRef	Editable	bit
flEssntFltyContDmgXRef	HazardR	bit
flEssntFltyContDmgXRef	HazardCA	bit
flEssntFltyContDmgXRef	HazardCV	bit
flEssntFltyContUnionDetails	SOccupId	char(5)
flEssntFltyContUnionDetails	Occupancy	char(5)
flEssntFltyContUnionDetails	NumStories	varchar(10)
flEssntFltyContUnionDetails	Basement	bit
flEssntFltyContUnionDetails	SortOrder	int
flEssntFltyStructDmgFn	BldgDmgFnID	numeric
flEssntFltyStructDmgFn	Occupancy	char(5)
flEssntFltyStructDmgFn	Source	varchar(50)
flEssntFltyStructDmgFn	Description	varchar(100)
flEssntFltyStructDmgFn	ft04m	float
flEssntFltyStructDmgFn	ft03m	float
flEssntFltyStructDmgFn	ft02m	float
flEssntFltyStructDmgFn	ft01m	float
flEssntFltyStructDmgFn	ft00	float
flEssntFltyStructDmgFn	ft01	float
flEssntFltyStructDmgFn	ft02	float
flEssntFltyStructDmgFn	ft03	float
flEssntFltyStructDmgFn	ft04	float
flEssntFltyStructDmgFn	ft05	float
flEssntFltyStructDmgFn	ft06	float
flEssntFltyStructDmgFn	ft07	float
flEssntFltyStructDmgFn	ft08	float
flEssntFltyStructDmgFn	ft09	float
flEssntFltyStructDmgFn	ft10	float
flEssntFltyStructDmgFn	ft11	float
flEssntFltyStructDmgFn	ft12	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flEssntFltyStructDmgFn	ft13	float
flEssntFltyStructDmgFn	ft14	float
flEssntFltyStructDmgFn	ft15	float
flEssntFltyStructDmgFn	ft16	float
flEssntFltyStructDmgFn	ft17	float
flEssntFltyStructDmgFn	ft18	float
flEssntFltyStructDmgFn	ft19	float
flEssntFltyStructDmgFn	ft20	float
flEssntFltyStructDmgFn	ft21	float
flEssntFltyStructDmgFn	ft22	float
flEssntFltyStructDmgFn	ft23	float
flEssntFltyStructDmgFn	ft24	float
flEssntFltyStructDmgFn	Comment	varchar(255)
flEssntFltyStructDmgXRef	SOccupId	char(5)
flEssntFltyStructDmgXRef	BldgDmgFnId	int
flEssntFltyStructDmgXRef	DefaultFn	bit
flEssntFltyStructDmgXRef	Selected	bit
flEssntFltyStructDmgXRef	Editable	bit
flEssntFltyStructDmgXRef	HazardR	bit
flEssntFltyStructDmgXRef	HazardCA	bit
flEssntFltyStructDmgXRef	HazardCV	bit
flEssntFltyStructUnionDetails	SOccupId	char(5)
flEssntFltyStructUnionDetails	Occupancy	char(5)
flEssntFltyStructUnionDetails	NumStories	varchar(10)
flEssntFltyStructUnionDetails	Basement	bit
flEssntFltyStructUnionDetails	SortOrder	int
flExposureGBldgTypeTotal	CensusBlock	char(15)
flExposureGBldgTypeTotal	TotalExp	int
flExposureGBldgTypeTotal	WoodI	int
flExposureGBldgTypeTotal	SteelI	int
flExposureGBldgTypeTotal	ConcreteI	int
flExposureGBldgTypeTotal	MasonryI	int
flExposureGBldgTypeTotal	ManufHousingI	int
flExposureOccupTotal	CensusBlock	char(15)
flExposureOccupTotal	TotalExp	int
flExposureOccupTotal	RESI	int
flExposureOccupTotal	COMI	int
flExposureOccupTotal	INDI	int
flExposureOccupTotal	AGRI	int
flExposureOccupTotal	RELI	int
flExposureOccupTotal	GOVI	int
flExposureOccupTotal	EDUI	int
flExposureOccupTotal	RES1I	int
flExposureOccupTotal	RES2I	int
flExposureOccupTotal	RES3AI	int
flExposureOccupTotal	RES3BI	int
flExposureOccupTotal	RES3CI	int
flExposureOccupTotal	RES3DI	int
flExposureOccupTotal	RES3EI	int
flExposureOccupTotal	RES3FI	int
flExposureOccupTotal	RES4I	int
flExposureOccupTotal	RES5I	int
flExposureOccupTotal	RES6I	int
flExposureOccupTotal	COM1I	int
flExposureOccupTotal	COM2I	int
flExposureOccupTotal	COM3I	int
flExposureOccupTotal	COM4I	int

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flExposureOccupTotal	COM5I	int
flExposureOccupTotal	COM6I	int
flExposureOccupTotal	COM7I	int
flExposureOccupTotal	COM8I	int
flExposureOccupTotal	COM9I	int
flExposureOccupTotal	COM10I	int
flExposureOccupTotal	IND1I	int
flExposureOccupTotal	IND2I	int
flExposureOccupTotal	IND3I	int
flExposureOccupTotal	IND4I	int
flExposureOccupTotal	IND5I	int
flExposureOccupTotal	IND6I	int
flExposureOccupTotal	AGR1I	int
flExposureOccupTotal	REL1I	int
flExposureOccupTotal	GOV1I	int
flExposureOccupTotal	GOV2I	int
flExposureOccupTotal	EDU1I	int
flExposureOccupTotal	EDU2I	int
flExposureTransport	CountyFips	char(5)
flExposureTransport	HighwayRoads	money
flExposureTransport	HighwayBridges	money
flExposureTransport	HighwayTunnels	money
flExposureTransport	RailwayTracks	money
flExposureTransport	RailwayBridges	money
flExposureTransport	RailwayFacilities	money
flExposureTransport	RailwayTunnels	money
flExposureTransport	LightRailTracks	money
flExposureTransport	LightRailBridges	money
flExposureTransport	LightRailFacilities	money
flExposureTransport	LightRailTunnels	money
flExposureTransport	Bus	money
flExposureTransport	Ports	money
flExposureTransport	FerrySystems	money
flExposureTransport	AirportFacilities	money
flExposureTransport	AirportRunways	money
flExposureUtil	CountyFIPS	char(5)
flExposureUtil	PotableWaterFclties	money
flExposureUtil	PotableWaterPipes	money
flExposureUtil	WasteWaterFclties	money
flExposureUtil	WasteWaterPipes	money
flExposureUtil	OilFlties	money
flExposureUtil	OilPipes	money
flExposureUtil	NGFlties	money
flExposureUtil	NGPipes	money
flExposureUtil	PowerFlties	money
flExposureUtil	CommFclties	money
flFRAgricultureLossCounty	StudyCaseId	int
flFRAgricultureLossCounty	RetPeriodId	char(6)
flFRAgricultureLossCounty	CountyFIPS	char(5)
flFRAgricultureLossCounty	CropType	char(30)
flFRAgricultureLossCounty	DamagePcnt0	float
flFRAgricultureLossCounty	Loss0	float
flFRAgricultureLossCounty	DamagePcnt3	float
flFRAgricultureLossCounty	Loss3	float
flFRAgricultureLossCounty	DamagePcnt7	float
flFRAgricultureLossCounty	Loss7	float
flFRAgricultureLossCounty	DamagePcnt14	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flFRAgricultureLossCounty	Loss14	float
flFRAgricultureLossCounty	AnalysisOptId	int
flFRAgricultureLossSubCounty	StudyCaseID	int
flFRAgricultureLossSubCounty	RetPeriodID	char(6)
flFRAgricultureLossSubCounty	AgriRegionID	char(30)
flFRAgricultureLossSubCounty	CropType	char(30)
flFRAgricultureLossSubCounty	DamagePcnt0	float
flFRAgricultureLossSubCounty	Loss0	float
flFRAgricultureLossSubCounty	DamagePcnt3	float
flFRAgricultureLossSubCounty	Loss3	float
flFRAgricultureLossSubCounty	DamagePcnt7	float
flFRAgricultureLossSubCounty	Loss7	float
flFRAgricultureLossSubCounty	DamagePcnt14	float
flFRAgricultureLossSubCounty	Loss14	float
flFRAgricultureLossSubCounty	AnalysisOptId	int
flFRAirportFlty	StudyCaseID	int
flFRAirportFlty	ReturnPeriodID	char(6)
flFRAirportFlty	AirportFltyID	char(5)
flFRAirportFlty	DamagePcnt	float
flFRAirportFlty	Loss	float
flFRAirportFlty	Functionality	real
flFRAirportFlty	AnalysisOptId	int
flFRAirportRunway	StudyCaseID	int
flFRAirportRunway	ReturnPeriodID	char(6)
flFRAirportRunway	RunwayID	char(5)
flFRAirportRunway	FacilityName	char(20)
flFRAirportRunway	TranspFcltyClass	char(5)
flFRAirportRunway	DamagePcnt	float
flFRAirportRunway	Loss	float
flFRAirportRunway	Functionality	real
flFRAirportRunway	AnalysisOptId	int
flFRBusFlty	StudyCaseID	int
flFRBusFlty	ReturnPeriodID	char(6)
flFRBusFlty	BusFltyId	char(5)
flFRBusFlty	DamagePcnt	float
flFRBusFlty	Loss	float
flFRBusFlty	Functionality	real
flFRBusFlty	AnalysisOptId	int
flFRCareFlty	StudyCaseId	int
flFRCareFlty	ReturnPeriodId	char(6)
flFRCareFlty	CareFltyId	char(8)
flFRCareFlty	ControlHazard	char(1)
flFRCareFlty	BldgDmgPct	float
flFRCareFlty	BldgLoss	float
flFRCareFlty	ContDmgPct	float
flFRCareFlty	ContLoss	float
flFRCareFlty	Functionality	bit
flFRCareFlty	MaxTimetoFullRestoration	int
flFRCareFlty	AnalysisOptId	int
flFRCommunicationFlty	StudyCaseID	int
flFRCommunicationFlty	ReturnPeriodID	char(6)
flFRCommunicationFlty	CommunicationFltyId	char(8)
flFRCommunicationFlty	DamagePcnt	float
flFRCommunicationFlty	Loss	float
flFRCommunicationFlty	Functionality	bit
flFRCommunicationFlty	AnalysisOptId	int
flFRDebris	StudyCaseId	int

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flFRDebris	ReturnPeriodId	char(6)
flFRDebris	CensusBlock	char(15)
flFRDebris	TotalTons	float
flFRDebris	FinishTons	float
flFRDebris	StructureTons	float
flFRDebris	FoundationTons	float
flFRDebris	AnalysisOptId	int
flFRElectricPowerFlty	StudyCaseId	int
flFRElectricPowerFlty	ReturnPeriodId	char(6)
flFRElectricPowerFlty	ElectricPowerFltyId	char(8)
flFRElectricPowerFlty	DmgPct	float
flFRElectricPowerFlty	Loss	float
flFRElectricPowerFlty	Functionality	bit
flFRElectricPowerFlty	AnalysisOptId	int
flFREmergencyCtr	StudyCaseId	int
flFREmergencyCtr	ReturnPeriodId	char(6)
flFREmergencyCtr	EocId	char(8)
flFREmergencyCtr	ControlHazard	char(1)
flFREmergencyCtr	BldgDmgPct	float
flFREmergencyCtr	BldgLoss	float
flFREmergencyCtr	ContDmgPct	float
flFREmergencyCtr	ContLoss	float
flFREmergencyCtr	Functionality	bit
flFREmergencyCtr	MaxTimetoFullRestoration	int
flFREmergencyCtr	AnalysisOptId	int
flFREmploymentLoss	StudyCaseID	int
flFREmploymentLoss	ReturnPeriodID	char(6)
flFREmploymentLoss	CensusBlock	char(15)
flFREmploymentLoss	RES1	int
flFREmploymentLoss	RES2	int
flFREmploymentLoss	RES3A	int
flFREmploymentLoss	RES3B	int
flFREmploymentLoss	RES3C	int
flFREmploymentLoss	RES3D	int
flFREmploymentLoss	RES3E	int
flFREmploymentLoss	RES3F	int
flFREmploymentLoss	RES4	int
flFREmploymentLoss	RES5	int
flFREmploymentLoss	RES6	int
flFREmploymentLoss	COM1	int
flFREmploymentLoss	COM2	int
flFREmploymentLoss	COM3	int
flFREmploymentLoss	COM4	int
flFREmploymentLoss	COM5	int
flFREmploymentLoss	COM6	int
flFREmploymentLoss	COM7	int
flFREmploymentLoss	COM8	int
flFREmploymentLoss	COM9	int
flFREmploymentLoss	COM10	int
flFREmploymentLoss	IND1	int
flFREmploymentLoss	IND2	int
flFREmploymentLoss	IND3	int
flFREmploymentLoss	IND4	int
flFREmploymentLoss	IND5	int
flFREmploymentLoss	IND6	int
flFREmploymentLoss	AGR1	int
flFREmploymentLoss	REL1	int

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flFREmploymentLoss	GOV1	int
flFREmploymentLoss	GOV2	int
flFREmploymentLoss	EDU1	int
flFREmploymentLoss	EDU2	int
flFREmploymentLoss	AnalysisOptId	int
flFREssntFltyLossTotal	StudyCaseID	int
flFREssntFltyLossTotal	ReturnPeriodID	char(6)
flFREssntFltyLossTotal	CountyFips	char(5)
flFREssntFltyLossTotal	CareFltyLoss	money
flFREssntFltyLossTotal	CareSlight	int
flFREssntFltyLossTotal	CareModerate	int
flFREssntFltyLossTotal	CareSubstantial	int
flFREssntFltyLossTotal	CareFunctional	int
flFREssntFltyLossTotal	EocFltyLoss	int
flFREssntFltyLossTotal	EocSlight	int
flFREssntFltyLossTotal	EocModerate	int
flFREssntFltyLossTotal	EocSubstantial	int
flFREssntFltyLossTotal	EocFunctional	int
flFREssntFltyLossTotal	FireFltyLoss	int
flFREssntFltyLossTotal	FireSlight	int
flFREssntFltyLossTotal	FireModerate	int
flFREssntFltyLossTotal	FireSubstantial	int
flFREssntFltyLossTotal	FireFunctional	int
flFREssntFltyLossTotal	PoliceFltyLoss	int
flFREssntFltyLossTotal	PoliceSlight	int
flFREssntFltyLossTotal	PoliceModerate	int
flFREssntFltyLossTotal	PoliceSubstantial	int
flFREssntFltyLossTotal	PoliceFunctional	int
flFREssntFltyLossTotal	SchoolLoss	int
flFREssntFltyLossTotal	SchoolSlight	int
flFREssntFltyLossTotal	SchoolModerate	int
flFREssntFltyLossTotal	SchoolSubstantial	int
flFREssntFltyLossTotal	SchoolFunctional	char(10)
flFREssntFltyLossTotal	AnalysisOptId	int
flFRFerryFlty	StudyCaseID	int
flFRFerryFlty	ReturnPeriodID	char(6)
flFRFerryFlty	FerryFltyId	char(5)
flFRFerryFlty	DamagePcnt	float
flFRFerryFlty	Loss	float
flFRFerryFlty	Functionality	real
flFRFerryFlty	AnalysisOptId	int
flFRFireStation	StudyCaseId	int
flFRFireStation	ReturnPeriodId	char(6)
flFRFireStation	FireStationId	char(8)
flFRFireStation	ControlHazard	char(1)
flFRFireStation	BldgDmgPct	float
flFRFireStation	BldgLoss	float
flFRFireStation	ContDmgPct	float
flFRFireStation	ContLoss	float
flFRFireStation	Functionality	bit
flFRFireStation	MaxTimetoFullRestoration	int
flFRFireStation	AnalysisOptId	int
flFRGBSDepEcLossByGBldgType	StudyCaseId	int
flFRGBSDepEcLossByGBldgType	ReturnPeriodId	char(6)
flFRGBSDepEcLossByGBldgType	CensusBlock	char(15)
flFRGBSDepEcLossByGBldgType	BldgType	varchar(12)
flFRGBSDepEcLossByGBldgType	Pre_PostFirm	bit

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flFRGBSDepEcLossByGBldgType	TotalLoss	int
flFRGBSDepEcLossByGBldgType	BuildingLoss	int
flFRGBSDepEcLossByGBldgType	ContentsLoss	int
flFRGBSDepEcLossByGBldgType	AnalysisOptId	int
flFRGBSDepEcLossByGOccup	StudyCaseId	int
flFRGBSDepEcLossByGOccup	ReturnPeriodId	char(6)
flFRGBSDepEcLossByGOccup	CensusBlock	char(15)
flFRGBSDepEcLossByGOccup	GenOccup	char(5)
flFRGBSDepEcLossByGOccup	Pre_PostFirm	bit
flFRGBSDepEcLossByGOccup	TotalLoss	int
flFRGBSDepEcLossByGOccup	BuildingLoss	int
flFRGBSDepEcLossByGOccup	ContentsLoss	int
flFRGBSDepEcLossByGOccup	AnalysisOptId	int
flFRGBSDepEcLossByGOccup	TypeIndicator	smallint
flFRGBSDepEcLossBySOccup	StudyCaseId	int
flFRGBSDepEcLossBySOccup	ReturnPeriodId	char(6)
flFRGBSDepEcLossBySOccup	CensusBlock	char(15)
flFRGBSDepEcLossBySOccup	ControlHazard	char(1)
flFRGBSDepEcLossBySOccup	SOccup	char(5)
flFRGBSDepEcLossBySOccup	Pre_PostFirm	bit
flFRGBSDepEcLossBySOccup	TotalLoss	int
flFRGBSDepEcLossBySOccup	BuildingLoss	int
flFRGBSDepEcLossBySOccup	ContentsLoss	int
flFRGBSDepEcLossBySOccup	AnalysisOptId	int
flFRGBSDepEcLossByTotal	StudyCaseId	int
flFRGBSDepEcLossByTotal	ReturnPeriodId	char(6)
flFRGBSDepEcLossByTotal	CensusBlock	char(15)
flFRGBSDepEcLossByTotal	Pre_PostFirm	bit
flFRGBSDepEcLossByTotal	TotalLoss	int
flFRGBSDepEcLossByTotal	BuildingLoss	int
flFRGBSDepEcLossByTotal	ContentsLoss	int
flFRGBSDepEcLossByTotal	AnalysisOptId	int
flFRGBSDmgCountGBldgType	StudyCaseId	int
flFRGBSDmgCountGBldgType	ReturnPeriodId	char(6)
flFRGBSDmgCountGBldgType	CensusBlock	char(15)
flFRGBSDmgCountGBldgType	BldgType	varchar(12)
flFRGBSDmgCountGBldgType	Pre_PostFirm	bit
flFRGBSDmgCountGBldgType	TotalBldgCount	int
flFRGBSDmgCountGBldgType	CountSubstantialDmg	int
flFRGBSDmgCountGBldgType	CountNoDmg	float
flFRGBSDmgCountGBldgType	CountDmg1to10	float
flFRGBSDmgCountGBldgType	CountDmg11to20	float
flFRGBSDmgCountGBldgType	CountDmg21to30	float
flFRGBSDmgCountGBldgType	CountDmg31to40	float
flFRGBSDmgCountGBldgType	CountDmg41to50	float
flFRGBSDmgCountGBldgType	CountDmg51to60	float
flFRGBSDmgCountGBldgType	CountDmg61to70	float
flFRGBSDmgCountGBldgType	CountDmg71to80	float
flFRGBSDmgCountGBldgType	CountDmg81to90	float
flFRGBSDmgCountGBldgType	CountDmg91to100	float
flFRGBSDmgCountGBldgType	AnalysisOptId	int
flFRGBSDmgCountGBldgType	SortOrder	smallint
flFRGBSDmgCountGOccupB	StudyCaseId	int
flFRGBSDmgCountGOccupB	ReturnPeriodId	char(6)
flFRGBSDmgCountGOccupB	CensusBlock	char(15)
flFRGBSDmgCountGOccupB	GenOccup	char(5)
flFRGBSDmgCountGOccupB	Pre_PostFirm	bit

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flFRGBSDmgCountGOccupB	TotalBldgCount	int
flFRGBSDmgCountGOccupB	CountSubstantialDmg	int
flFRGBSDmgCountGOccupB	CountNoDmg	int
flFRGBSDmgCountGOccupB	CountDmg1to10	int
flFRGBSDmgCountGOccupB	CountDmg11to20	int
flFRGBSDmgCountGOccupB	CountDmg21to30	int
flFRGBSDmgCountGOccupB	CountDmg31to40	int
flFRGBSDmgCountGOccupB	CountDmg41to50	int
flFRGBSDmgCountGOccupB	CountDmg51to60	int
flFRGBSDmgCountGOccupB	CountDmg61to70	int
flFRGBSDmgCountGOccupB	CountDmg71to80	int
flFRGBSDmgCountGOccupB	CountDmg81to90	int
flFRGBSDmgCountGOccupB	CountDmg91to100	int
flFRGBSDmgCountGOccupB	AnalysisOptId	int
flFRGBSDmgCountSOccupB	StudyCaseId	int
flFRGBSDmgCountSOccupB	ReturnPeriodId	char(6)
flFRGBSDmgCountSOccupB	CensusBlock	char(15)
flFRGBSDmgCountSOccupB	SOccup	char(5)
flFRGBSDmgCountSOccupB	ControlHazard	char(1)
flFRGBSDmgCountSOccupB	Pre_PostFirm	bit
flFRGBSDmgCountSOccupB	TotalBldgCount	int
flFRGBSDmgCountSOccupB	CountSubstantialDmg	int
flFRGBSDmgCountSOccupB	CountNoDmg	int
flFRGBSDmgCountSOccupB	CountDmg1to10	int
flFRGBSDmgCountSOccupB	CountDmg11to20	int
flFRGBSDmgCountSOccupB	CountDmg21to30	int
flFRGBSDmgCountSOccupB	CountDmg31to40	int
flFRGBSDmgCountSOccupB	CountDmg41to50	int
flFRGBSDmgCountSOccupB	CountDmg51to60	int
flFRGBSDmgCountSOccupB	CountDmg61to70	int
flFRGBSDmgCountSOccupB	CountDmg71to80	int
flFRGBSDmgCountSOccupB	CountDmg81to90	int
flFRGBSDmgCountSOccupB	CountDmg91to100	int
flFRGBSDmgCountSOccupB	AnalysisOptId	int
flFRGBSDmgGBldgType	StudyCaseId	int
flFRGBSDmgGBldgType	ReturnPeriodId	char(6)
flFRGBSDmgGBldgType	CensusBlock	char(15)
flFRGBSDmgGBldgType	BldgType	varchar(12)
flFRGBSDmgGBldgType	Pre_PostFirm	bit
flFRGBSDmgGBldgType	TotalSqFt	int
flFRGBSDmgGBldgType	SqFtSubstantialDmg	int
flFRGBSDmgGBldgType	SqFtNoDmg	float
flFRGBSDmgGBldgType	SqFtDmg1to10	float
flFRGBSDmgGBldgType	SqFtDmg11to20	float
flFRGBSDmgGBldgType	SqFtDmg21to30	float
flFRGBSDmgGBldgType	SqFtDmg31to40	float
flFRGBSDmgGBldgType	SqFtDmg41to50	float
flFRGBSDmgGBldgType	SqFtDmg51to60	float
flFRGBSDmgGBldgType	SqFtDmg61to70	float
flFRGBSDmgGBldgType	SqFtDmg71to80	float
flFRGBSDmgGBldgType	SqFtDmg81to90	float
flFRGBSDmgGBldgType	SqFtDmg91to100	float
flFRGBSDmgGBldgType	AnalysisOptId	int
flFRGBSDmgGBldgType	SortOrder	smallint
flFRGBSDmgGOccupB	StudyCaseId	int
flFRGBSDmgGOccupB	ReturnPeriodId	char(6)
flFRGBSDmgGOccupB	CensusBlock	char(15)

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flFRGBSDmgGOccupB	GenOccup	char(5)
flFRGBSDmgGOccupB	Pre_PostFirm	bit
flFRGBSDmgGOccupB	TotalSqFt	int
flFRGBSDmgGOccupB	SqFtSubstantialDmg	int
flFRGBSDmgGOccupB	SqFtNoDmg	float
flFRGBSDmgGOccupB	SqFtDmg1to10	float
flFRGBSDmgGOccupB	SqFtDmg11to20	float
flFRGBSDmgGOccupB	SqFtDmg21to30	float
flFRGBSDmgGOccupB	SqFtDmg31to40	float
flFRGBSDmgGOccupB	SqFtDmg41to50	float
flFRGBSDmgGOccupB	SqFtDmg51to60	float
flFRGBSDmgGOccupB	SqFtDmg61to70	float
flFRGBSDmgGOccupB	SqFtDmg71to80	float
flFRGBSDmgGOccupB	SqFtDmg81to90	float
flFRGBSDmgGOccupB	SqFtDmg91to100	float
flFRGBSDmgGOccupB	AnalysisOptId	int
flFRGBSDmgSOccupB	StudyCaseId	int
flFRGBSDmgSOccupB	ReturnPeriodId	char(6)
flFRGBSDmgSOccupB	CensusBlock	char(15)
flFRGBSDmgSOccupB	SOccup	char(5)
flFRGBSDmgSOccupB	ControlHazard	char(1)
flFRGBSDmgSOccupB	Pre_PostFirm	bit
flFRGBSDmgSOccupB	TotalSqFt	int
flFRGBSDmgSOccupB	SqFtSubstantialDmg	int
flFRGBSDmgSOccupB	SqFtNoDmg	float
flFRGBSDmgSOccupB	SqFtDmg1to10	float
flFRGBSDmgSOccupB	SqFtDmg11to20	float
flFRGBSDmgSOccupB	SqFtDmg21to30	float
flFRGBSDmgSOccupB	SqFtDmg31to40	float
flFRGBSDmgSOccupB	SqFtDmg41to50	float
flFRGBSDmgSOccupB	SqFtDmg51to60	float
flFRGBSDmgSOccupB	SqFtDmg61to70	float
flFRGBSDmgSOccupB	SqFtDmg71to80	float
flFRGBSDmgSOccupB	SqFtDmg81to90	float
flFRGBSDmgSOccupB	SqFtDmg91to100	float
flFRGBSDmgSOccupB	AnalysisOptId	int
flFRGBSEcLossByGBldgType	StudyCaseId	int
flFRGBSEcLossByGBldgType	ReturnPeriodId	char(6)
flFRGBSEcLossByGBldgType	CensusBlock	char(15)
flFRGBSEcLossByGBldgType	BldgType	varchar(12)
flFRGBSEcLossByGBldgType	Pre_PostFirm	bit
flFRGBSEcLossByGBldgType	TotalLoss	int
flFRGBSEcLossByGBldgType	BuildingLoss	int
flFRGBSEcLossByGBldgType	ContentsLoss	int
flFRGBSEcLossByGBldgType	InventoryLoss	int
flFRGBSEcLossByGBldgType	RelocationCost	int
flFRGBSEcLossByGBldgType	IncomeLoss	int
flFRGBSEcLossByGBldgType	RentalIncomeLoss	int
flFRGBSEcLossByGBldgType	WageLoss	int
flFRGBSEcLossByGBldgType	OutputLoss	int
flFRGBSEcLossByGBldgType	EmploymentLoss	int
flFRGBSEcLossByGBldgType	AnalysisOptId	int
flFRGBSDmgSOccupB	StudyCaseId	int
flFRGBSDmgSOccupB	ReturnPeriodId	char(6)
flFRGBSDmgSOccupB	CensusBlock	char(15)
flFRGBSDmgSOccupB	SOccup	char(5)
flFRGBSDmgSOccupB	ControlHazard	char(1)

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flFRGBSDmgSOccupB	Pre_PostFirm	bit
flFRGBSDmgSOccupB	TotalSqFt	int
flFRGBSDmgSOccupB	SqFtSubstantialDmg	int
flFRGBSDmgSOccupB	SqFtNoDmg	float
flFRGBSDmgSOccupB	SqFtDmg1to10	float
flFRGBSDmgSOccupB	SqFtDmg11to20	float
flFRGBSDmgSOccupB	SqFtDmg21to30	float
flFRGBSDmgSOccupB	SqFtDmg31to40	float
flFRGBSDmgSOccupB	SqFtDmg41to50	float
flFRGBSDmgSOccupB	SqFtDmg51to60	float
flFRGBSDmgSOccupB	SqFtDmg61to70	float
flFRGBSDmgSOccupB	SqFtDmg71to80	float
flFRGBSDmgSOccupB	SqFtDmg81to90	float
flFRGBSDmgSOccupB	SqFtDmg91to100	float
flFRGBSDmgSOccupB	AnalysisOptId	int
flFRGBSEcLossByGBldgType	StudyCaseId	int
flFRGBSEcLossByGBldgType	ReturnPeriodId	char(6)
flFRGBSEcLossByGBldgType	CensusBlock	char(15)
flFRGBSEcLossByGBldgType	BldgType	varchar(12)
flFRGBSEcLossByGBldgType	Pre_PostFirm	bit
flFRGBSEcLossByGBldgType	TotalLoss	int
flFRGBSEcLossByGBldgType	BuildingLoss	int
flFRGBSEcLossByGBldgType	ContentsLoss	int
flFRGBSEcLossByGBldgType	InventoryLoss	int
flFRGBSEcLossByGBldgType	RelocationCost	int
flFRGBSEcLossByGBldgType	IncomeLoss	int
flFRGBSEcLossByGBldgType	RentalIncomeLoss	int
flFRGBSEcLossByGBldgType	WageLoss	int
flFRGBSEcLossByGBldgType	OutputLoss	int
flFRGBSEcLossByGBldgType	EmploymentLoss	int
flFRGBSEcLossByGBldgType	AnalysisOptId	int
flFRGBSEcLossByGOccup	StudyCaseId	int
flFRGBSEcLossByGOccup	ReturnPeriodId	char(6)
flFRGBSEcLossByGOccup	CensusBlock	char(15)
flFRGBSEcLossByGOccup	GenOccup	char(5)
flFRGBSEcLossByGOccup	Pre_PostFirm	bit
flFRGBSEcLossByGOccup	TotalLoss	int
flFRGBSEcLossByGOccup	BuildingLoss	int
flFRGBSEcLossByGOccup	ContentsLoss	int
flFRGBSEcLossByGOccup	InventoryLoss	int
flFRGBSEcLossByGOccup	RelocationCost	int
flFRGBSEcLossByGOccup	IncomeLoss	int
flFRGBSEcLossByGOccup	RentalIncomeLoss	int
flFRGBSEcLossByGOccup	WageLoss	int
flFRGBSEcLossByGOccup	OutputLoss	int
flFRGBSEcLossByGOccup	EmploymentLoss	int
flFRGBSEcLossByGOccup	AnalysisOptId	int
flFRGBSEcLossByGOccup	TypeIndicator	smallint
flFRGBSEcLossByGOccupT	StudyCaseId	int
flFRGBSEcLossByGOccupT	ReturnPeriodId	char(6)
flFRGBSEcLossByGOccupT	AnalysisOptId	int
flFRGBSEcLossByGOccupT	Category	varchar(40)
flFRGBSEcLossByGOccupT	Area	varchar(20)
flFRGBSEcLossByGOccupT	Residential	int
flFRGBSEcLossByGOccupT	Commercial	int
flFRGBSEcLossByGOccupT	Industrial	int
flFRGBSEcLossByGOccupT	Other	int

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flFRGBSEcLossByGOccupT	Total	int
flFRGBSEcLossBySOccup	StudyCaseId	int
flFRGBSEcLossBySOccup	ReturnPeriodId	char(6)
flFRGBSEcLossBySOccup	CensusBlock	char(15)
flFRGBSEcLossBySOccup	SOccup	char(5)
flFRGBSEcLossBySOccup	ControlHazard	char(1)
flFRGBSEcLossBySOccup	Pre_PostFirm	bit
flFRGBSEcLossBySOccup	TotalLoss	int
flFRGBSEcLossBySOccup	BuildingLoss	int
flFRGBSEcLossBySOccup	ContentsLoss	int
flFRGBSEcLossBySOccup	InventoryLoss	int
flFRGBSEcLossBySOccup	RelocationCost	int
flFRGBSEcLossBySOccup	IncomeLoss	int
flFRGBSEcLossBySOccup	RentalIncomeLoss	int
flFRGBSEcLossBySOccup	WageLoss	int
flFRGBSEcLossBySOccup	OutputLoss	int
flFRGBSEcLossBySOccup	EmploymentLoss	int
flFRGBSEcLossBySOccup	AnalysisOptId	int
flFRGBSEcLossByTotal	StudyCaseId	int
flFRGBSEcLossByTotal	ReturnPeriodId	char(6)
flFRGBSEcLossByTotal	CensusBlock	char(15)
flFRGBSEcLossByTotal	Pre_PostFirm	bit
flFRGBSEcLossByTotal	TotalLoss	int
flFRGBSEcLossByTotal	BuildingLoss	int
flFRGBSEcLossByTotal	ContentsLoss	int
flFRGBSEcLossByTotal	InventoryLoss	int
flFRGBSEcLossByTotal	RelocationCost	int
flFRGBSEcLossByTotal	IncomeLoss	int
flFRGBSEcLossByTotal	RentalIncomeLoss	int
flFRGBSEcLossByTotal	WageLoss	int
flFRGBSEcLossByTotal	OutputLoss	int
flFRGBSEcLossByTotal	EmploymentLoss	int
flFRGBSEcLossByTotal	AnalysisOptId	int
flFRHighwayBridge	StudyCaseId	int
flFRHighwayBridge	ReturnPeriodId	char(6)
flFRHighwayBridge	HighwayBridgeId	char(8)
flFRHighwayBridge	DmgPct	float
flFRHighwayBridge	Loss	float
flFRHighwayBridge	Functionality	real
flFRHighwayBridge	AnalysisOptId	int
flFRHighwaySegments	StudyCaseID	int
flFRHighwaySegments	ReturnPeriodID	char(6)
flFRHighwaySegments	HighwaySegId	char(5)
flFRHighwaySegments	DamagePcnt	float
flFRHighwaySegments	Loss	float
flFRHighwaySegments	Functionality	real
flFRHighwaySegments	AnalysisOptId	int
flFRHighwayTunnel	StudyCaseID	int
flFRHighwayTunnel	ReturnPeriodID	char(6)
flFRHighwayTunnel	HighwayTunnelId	char(5)
flFRHighwayTunnel	DamagePcnt	float
flFRHighwayTunnel	Loss	float
flFRHighwayTunnel	Functionality	real
flFRHighwayTunnel	AnalysisOptId	int
flFRLightRailBridge	StudyCaseId	int
flFRLightRailBridge	ReturnPeriodId	char(6)
flFRLightRailBridge	LightRailBridgeId	char(8)

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flFRLightRailBridge	DmgPct	float
flFRLightRailBridge	Loss	float
flFRLightRailBridge	Functionality	real
flFRLightRailBridge	AnalysisOptId	int
flFRLightRailFlty	StudyCaseID	int
flFRLightRailFlty	ReturnPeriodID	char(6)
flFRLightRailFlty	LightRailFltyId	char(8)
flFRLightRailFlty	DamagePcnt	float
flFRLightRailFlty	Loss	float
flFRLightRailFlty	Functionality	real
flFRLightRailFlty	AnalysisOptId	int
flFRLightRailSegments	StudyCaseID	int
flFRLightRailSegments	ReturnPeriodID	char(6)
flFRLightRailSegments	LightRailSegId	char(5)
flFRLightRailSegments	DamagePcnt	float
flFRLightRailSegments	Loss	float
flFRLightRailSegments	Functionality	real
flFRLightRailSegments	AnalysisOptId	int
flFRLightRailTunnel	StudyCaseID	int
flFRLightRailTunnel	ReturnPeriodID	char(6)
flFRLightRailTunnel	LightRailTunnelId	char(5)
flFRLightRailTunnel	DamagePcnt	float
flFRLightRailTunnel	Loss	float
flFRLightRailTunnel	Functionality	real
flFRLightRailTunnel	AnalysisOptId	int
flFRNaturalGasFlty	StudyCaseId	int
flFRNaturalGasFlty	ReturnPeriodId	char(6)
flFRNaturalGasFlty	NaturalGasFltyId	char(8)
flFRNaturalGasFlty	DmgPct	float
flFRNaturalGasFlty	Loss	float
flFRNaturalGasFlty	Functionality	bit
flFRNaturalGasFlty	AnalysisOptId	int
flFRNaturalGasPl	StudyCaseID	int
flFRNaturalGasPl	ReturnPeriodID	char(6)
flFRNaturalGasPl	NaturalGasPlId	char(5)
flFRNaturalGasPl	DamagePcnt	float
flFRNaturalGasPl	Loss	float
flFRNaturalGasPl	Functionality	bit
flFRNaturalGasPl	AnalysisOptId	int
flFROilFlty	StudyCaseId	int
flFROilFlty	ReturnPeriodId	char(6)
flFROilFlty	OilFltyId	char(8)
flFROilFlty	DmgPct	float
flFROilFlty	Loss	float
flFROilFlty	Functionality	bit
flFROilFlty	AnalysisOptId	int
flFROilPl	StudyCaseID	int
flFROilPl	ReturnPeriodID	char(6)
flFROilPl	OilPlId	char(8)
flFROilPl	DamagePcnt	float
flFROilPl	Loss	float
flFROilPl	Functionality	bit
flFROilPl	AnalysisOptId	int
flFRPoliceStation	StudyCaseId	int
flFRPoliceStation	ReturnPeriodId	char(6)
flFRPoliceStation	PoliceStationId	char(8)
flFRPoliceStation	ControlHazard	char(1)

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flFRPoliceStation	BldgDmgPct	float
flFRPoliceStation	BldgLoss	float
flFRPoliceStation	ContDmgPct	float
flFRPoliceStation	ContLoss	float
flFRPoliceStation	Functionality	bit
flFRPoliceStation	MaxTimetoFullRestoration	int
flFRPoliceStation	AnalysisOptId	int
flFRPortFlty	StudyCaseID	int
flFRPortFlty	ReturnPeriodID	char(6)
flFRPortFlty	PortFltyId	char(5)
flFRPortFlty	DamagePcnt	float
flFRPortFlty	Loss	float
flFRPortFlty	Functionality	real
flFRPortFlty	AnalysisOptId	int
flFRPotableWaterFlty	StudyCaseId	int
flFRPotableWaterFlty	ReturnPeriodId	char(6)
flFRPotableWaterFlty	PotableWaterFltyId	char(8)
flFRPotableWaterFlty	DmgPct	float
flFRPotableWaterFlty	Loss	float
flFRPotableWaterFlty	Functionality	bit
flFRPotableWaterFlty	AnalysisOptId	int
flFRPotableWaterPl	StudyCaseID	int
flFRPotableWaterPl	ReturnPeriodID	char(6)
flFRPotableWaterPl	PotableWaterPlId	char(5)
flFRPotableWaterPl	DamagePcnt	float
flFRPotableWaterPl	Loss	float
flFRPotableWaterPl	Functionality	smallint
flFRPotableWaterPl	AnalysisOptId	int
flFRRailwayBridge	StudyCaseId	int
flFRRailwayBridge	ReturnPeriodId	char(6)
flFRRailwayBridge	RailwayBridgeId	char(8)
flFRRailwayBridge	DmgPct	float
flFRRailwayBridge	Loss	float
flFRRailwayBridge	Functionality	real
flFRRailwayBridge	AnalysisOptId	int
flFRRailwayFlty	StudyCaseID	int
flFRRailwayFlty	ReturnPeriodID	char(6)
flFRRailwayFlty	RailFltyId	char(5)
flFRRailwayFlty	DamagePcnt	float
flFRRailwayFlty	Loss	float
flFRRailwayFlty	Functionality	real
flFRRailwayFlty	AnalysisOptId	int
flFRRailwaySegments	StudyCaseID	int
flFRRailwaySegments	ReturnPeriodID	char(6)
flFRRailwaySegments	RailwaySegId	char(5)
flFRRailwaySegments	DamagePcnt	float
flFRRailwaySegments	Loss	float
flFRRailwaySegments	Functionality	real
flFRRailwaySegments	AnalysisOptId	int
flFRRailwayTunnel	StudyCaseID	int
flFRRailwayTunnel	ReturnPeriodID	char(6)
flFRRailwayTunnel	RailwayTunnelId	char(5)
flFRRailwayTunnel	DamagePcnt	float
flFRRailwayTunnel	Loss	float
flFRRailwayTunnel	Functionality	real
flFRRailwayTunnel	AnalysisOptId	int
flFRSchool	StudyCaseId	int

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flFRSchool	ReturnPeriodId	char(6)
flFRSchool	SchoolId	char(8)
flFRSchool	ControlHazard	char(1)
flFRSchool	BldgDmgPct	float
flFRSchool	BldgLoss	float
flFRSchool	ContDmgPct	float
flFRSchool	ContLoss	float
flFRSchool	Functionality	bit
flFRSchool	MaxTimetoFullRestoration	int
flFRSchool	AnalysisOptId	int
flFRShelter	StudyCaseId	int
flFRShelter	ReturnPeriodId	char(6)
flFRShelter	CensusBlock	char(15)
flFRShelter	DisplacedPop	float
flFRShelter	ShortTermNeeds	float
flFRShelter	AnalysisOptId	int
flFRTranspLossTotal	StudyCaseId	int
flFRTranspLossTotal	ReturnPeriodId	char(6)
flFRTranspLossTotal	CountyFips	char(5)
flFRTranspLossTotal	HighwayRoadsLoss	money
flFRTranspLossTotal	HighwayBridgeLoss	money
flFRTranspLossTotal	HighwayTunnelLoss	money
flFRTranspLossTotal	RailwayTrackLoss	money
flFRTranspLossTotal	RailwayBridgeLoss	money
flFRTranspLossTotal	RailwayFltyLoss	money
flFRTranspLossTotal	RailwayTunnelLoss	money
flFRTranspLossTotal	LightRailTrackLoss	money
flFRTranspLossTotal	LightRailBridgeLoss	money
flFRTranspLossTotal	LightRailFltyLoss	money
flFRTranspLossTotal	LightRailTunnelLoss	money
flFRTranspLossTotal	BusFltyLoss	money
flFRTranspLossTotal	PortFltyLoss	money
flFRTranspLossTotal	FerryFltyLoss	money
flFRTranspLossTotal	AirportFltyLoss	money
flFRTranspLossTotal	AirportRunwayLoss	money
flFRTranspLossTotal	AnalysisOptId	int
flFRUserDefinedFlty	StudyCaseId	int
flFRUserDefinedFlty	ReturnPeriodId	char(6)
flFRUserDefinedFlty	UserDefinedFltyId	char(8)
flFRUserDefinedFlty	ControlHazard	char(1)
flFRUserDefinedFlty	BldgDmgPct	float
flFRUserDefinedFlty	BldgLoss	float
flFRUserDefinedFlty	ContDmgPct	float
flFRUserDefinedFlty	ContLoss	float
flFRUserDefinedFlty	InvLoss	float
flFRUserDefinedFlty	AnalysisOptId	int
flFRUtilityLossTotal	StudyCaseId	int
flFRUtilityLossTotal	ReturnPeriodId	char(6)
flFRUtilityLossTotal	CountyFips	char(5)
flFRUtilityLossTotal	PotableWaterFltyLoss	money
flFRUtilityLossTotal	PotableWaterPlLoss	money
flFRUtilityLossTotal	WasteWaterFltyLoss	money
flFRUtilityLossTotal	WasteWaterPlLoss	money
flFRUtilityLossTotal	OilFltyLoss	money
flFRUtilityLossTotal	OilPlLoss	money
flFRUtilityLossTotal	NGFltyLoss	money
flFRUtilityLossTotal	NGPlLoss	money

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flFRUtilityLossTotal	ElectricPowerFltyLoss	money
flFRUtilityLossTotal	CommFltyLoss	money
flFRUtilityLossTotal	AnalysisOptId	int
flFRVehicleDamage	StudyCaseID	int
flFRVehicleDamage	ReturnPeriodID	char(6)
flFRVehicleDamage	CensusBlock	char(15)
flFRVehicleDamage	VehicleType	char(5)
flFRVehicleDamage	TotalDamaged	int
flFRVehicleDamage	CountNoDmg	int
flFRVehicleDamage	CountDmg1to10	int
flFRVehicleDamage	CountDmg11to20	int
flFRVehicleDamage	CountDmg21to30	int
flFRVehicleDamage	CountDmg31to40	int
flFRVehicleDamage	CountDmg41to50	int
flFRVehicleDamage	CountDmg51to60	int
flFRVehicleDamage	CountDmg61to70	int
flFRVehicleDamage	CountDmg71to80	int
flFRVehicleDamage	CountDmg81to90	int
flFRVehicleDamage	CountDmg91to100	int
flFRVehicleDamage	UseTime	char(1)
flFRVehicleDamage	AnalysisOptId	int
flFRVehicleLoss	StudyCaseID	int
flFRVehicleLoss	ReturnPeriodID	char(6)
flFRVehicleLoss	CensusBlock	char(15)
flFRVehicleLoss	LossCar	float
flFRVehicleLoss	LossLtTruck	float
flFRVehicleLoss	LossHvyTruck	float
flFRVehicleLoss	LossVehicles	float
flFRVehicleLoss	UseTime	char(1)
flFRVehicleLoss	AnalysisOptId	int
flFRWasteWaterFlty	StudyCaseId	StudyCaseId
flFRWasteWaterFlty	ReturnPeriodId	ReturnPeriodId
flFRWasteWaterFlty	WasteWaterFltyId	WasteWaterFltyId
flFRWasteWaterFlty	DmgPct	DmgPct
flFRWasteWaterFlty	Loss	Loss
flFRWasteWaterFlty	Functionality	Functionality
flFRWasteWaterFlty	AnalysisOptId	AnalysisOptId
flFRWasteWaterPl	StudyCaseID	int
flFRWasteWaterPl	ReturnPeriodID	char(6)
flFRWasteWaterPl	WasteWaterPlId	char(8)
flFRWasteWaterPl	DamagePcnt	float
flFRWasteWaterPl	Loss	float
flFRWasteWaterPl	Functionality	smallint
flFRWasteWaterPl	AnalysisOptId	int
flFireStation	FireStationId	char(8)
flFireStation	BldgType	varchar(15)
flFireStation	DesignLevel	char(1)
flFireStation	FoundationType	char(1)
flFireStation	FirstFloorHt	float
flFireStation	BldgDamageFnId	varchar(10)
flFireStation	ContDamageFnId	varchar(10)
flFireStation	FloodProtection	int
flFireStationDflt	EFClass	char(5)
flFireStationDflt	BldgType	varchar(15)
flFireStationDflt	DesignLevel	char(1)
flFireStationDflt	FoundationType	char(1)
flFireStationDflt	FirstFloorHt	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flFireStationDflt	BldgDamageFnId	varchar(10)
flFireStationDflt	ContDamageFnId	varchar(10)
flFireStationDflt	FloodProtection	int
flFoundation	FoundationID	int
flFoundation	BasementID	char(5)
flFoundation	BaseText	varchar(1)
flFoundationType	BasementID	char(5)
flFoundationType	Description	varchar(20)
flHighwayBridge	HighwayBridgeId	char(8)
flHighwayBridge	Elevation	float
flHighwayBridgeDflt	BridgeClass	char(5)
flHighwayBridgeDflt	Elevation	float
flIELMDirLossBySOccup	StudyCaseID	int
flIELMDirLossBySOccup	ReturnPeriodID	varchar(6)
flIELMDirLossBySOccup	AnalysisOptID	float
flIELMDirLossBySOccup	ControllingHazard	varchar(1)
flIELMDirLossBySOccup	Occupancy	char (5)
flIELMDirLossBySOccup	Total	real
flIELMDirLossBySOccup	ILoss	real
flIELMDirLossBySOccup	Sqft	real
flIELMDirLossBySOccup	DailyIncome	real
flIELMDirLossBySOccup	WeeklyIncome	real
flIELMDirLossBySOccup	MonthlyIncome	real
flIELMDirLossBySOccup	AnnualIncome	real
flIELMDirLossBySOccup	DspNone	real
flIELMDirLossBySOccup	DspSlight	real
flIELMDirLossBySOccup	DspModerate	real
flIELMDirLossBySOccup	DspExtensive	real
flIELMDirLossBySOccup	DspComplete	real
flIELMDirLossBySOccup	LofNone	real
flIELMDirLossBySOccup	LofSlight	real
flIELMDirLossBySOccup	LofModerate	real
flIELMDirLossBySOccup	LofExtensive	real
flIELMDirLossBySOccup	LofComplete	real
flIELMDirLossBySOccup	DlNone	real
flIELMDirLossBySOccup	DlSlight	real
flIELMDirLossBySOccup	DlModerate	real
flIELMDirLossBySOccup	DlExtensive	real
flIELMDirLossBySOccup	DlComplete	real
flIELMDlBySOccupTI	flIelDlByOccupTIId	smallint
flIELMDlBySOccupTI	Occupancy	char (5)
flIELMDlBySOccupTI	Week1Loss	real
flIELMDlBySOccupTI	Week2Loss	real
flIELMDlBySOccupTI	Week3Loss	real
flIELMDlBySOccupTI	Week4Loss	real
flIELMDlBySOccupTI	Week5Loss	real
flIELMDlBySOccupTI	Week6Loss	real
flIELMDlBySOccupTI	Week7Loss	real
flIELMDlBySOccupTI	Week8Loss	real
flIELMDlBySOccupTI	Month3Loss	real
flIELMDlBySOccupTI	Month4Loss	real
flIELMDlBySOccupTI	Month5Loss	real
flIELMDlBySOccupTI	Month6Loss	real
flIELMDlBySOccupTI	Month7Loss	real
flIELMDlBySOccupTI	Month8Loss	real
flIELMDlBySOccupTI	Month9Loss	real
flIELMDlBySOccupTI	Month10Loss	real

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flIELMDlBySOccupTI	Month11Loss	real
flIELMDlBySOccupTI	Month12Loss	real
flIELMDlBySOccupTI	Month13Loss	real
flIELMDlBySOccupTI	Month14Loss	real
flIELMDlBySOccupTI	Month15Loss	real
flIELMDlBySOccupTI	Month16Loss	real
flIELMDlBySOccupTI	Month17Loss	real
flIELMDlBySOccupTI	Month18Loss	real
flIELMDlBySOccupTI	Month19Loss	real
flIELMDlBySOccupTI	Month20Loss	real
flIELMDlBySOccupTI	Month21Loss	real
flIELMDlBySOccupTI	Month22Loss	real
flIELMDlBySOccupTI	Month23Loss	real
flIELMDlBySOccupTI	Month24Loss	real
flIELMDlBySOccupTI	Year3Loss	real
flIELMDlBySOccupTI	Year4Loss	real
flIELMDlBySOccupTI	Year5Loss	real
flIELMDlBySOccupTI	Year6_15Loss	real
flIELMDlBySectorTI	flIelDlBySectorTIId	smallint
flIELMDlBySectorTI	Sector	char (4)
flIELMDlBySectorTI	Week1Loss	real
flIELMDlBySectorTI	Week2Loss	real
flIELMDlBySectorTI	Week3Loss	real
flIELMDlBySectorTI	Week4Loss	real
flIELMDlBySectorTI	Week5Loss	real
flIELMDlBySectorTI	Week6Loss	real
flIELMDlBySectorTI	Week7Loss	real
flIELMDlBySectorTI	Week8Loss	real
flIELMDlBySectorTI	Month3Loss	real
flIELMDlBySectorTI	Month4Loss	real
flIELMDlBySectorTI	Month5Loss	real
flIELMDlBySectorTI	Month6Loss	real
flIELMDlBySectorTI	Month7Loss	real
flIELMDlBySectorTI	Month8Loss	real
flIELMDlBySectorTI	Month9Loss	real
flIELMDlBySectorTI	Month10Loss	real
flIELMDlBySectorTI	Month11Loss	real
flIELMDlBySectorTI	Month12Loss	real
flIELMDlBySectorTI	Month13Loss	real
flIELMDlBySectorTI	Month14Loss	real
flIELMDlBySectorTI	Month15Loss	real
flIELMDlBySectorTI	Month16Loss	real
flIELMDlBySectorTI	Month17Loss	real
flIELMDlBySectorTI	Month18Loss	real
flIELMDlBySectorTI	Month19Loss	real
flIELMDlBySectorTI	Month20Loss	real
flIELMDlBySectorTI	Month21Loss	real
flIELMDlBySectorTI	Month22Loss	real
flIELMDlBySectorTI	Month23Loss	real
flIELMDlBySectorTI	Month24Loss	real
flIELMDlBySectorTI	Year3Loss	real
flIELMDlBySectorTI	Year4Loss	real
flIELMDlBySectorTI	Year5Loss	real
flIELMDlBySectorTI	Year6_15Loss	real
flIELMImplan2HazusSectorMap	SctrMapId	smallint
flIELMImplan2HazusSectorMap	ImplanSctrCode	char (15)
flIELMImplan2HazusSectorMap	HazusSctrCode	char (4)

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flIELMImplanData	ImplanId	smallint
flIELMImplanData	ImplanSetName	varchar (30)
flIELMImplanData	SetType	char (1)
flIELMImplanData	Sector	char (4)
flIELMImplanData	Imports	real
flIELMImplanData	Supplies	real
flIELMImplanData	Demands	real
flIELMImplanData	NewExports	real
flIELMImplanData	AGRI	real
flIELMImplanData	MINE	real
flIELMImplanData	CNST	real
flIELMImplanData	MNFG	real
flIELMImplanData	TRNS	real
flIELMImplanData	TRDE	real
flIELMImplanData	FIRE	real
flIELMImplanData	SERV	real
flIELMImplanData	GOVT	real
flIELMImplanData	MISC	real
flIELMImplanData	ConsumLow	real
flIELMImplanData	ConsumMedium	real
flIELMImplanData	ConsumHigh	real
flIELMImplanData	DomesticExport	real
flIELMImplanData	ForeignExport	real
flIELMImplanData	InitialDemand	real
flIELMImplanData	FinalDemand	real
flIELMImplanData	IndustryOutput	real
flIELMImplanData	EmplCompen	real
flIELMImplanData	PropIncome	real
flIELMImplanData	OthPropIncome	real
flIELMImplanData	Employment	real
flIELMImplanData	TotalImports	real
flIELMImplanData	TotFinalPayment	real
flIELMLossChange	flIeLossChangeId	smallint
flIELMLossChange	TimeInterval	char (5)
flIELMLossChange	TimeDesc	varchar (25)
flIELMLossChange	EmpChange	real
flIELMLossChange	EmpChangePct	real
flIELMLossChange	IncChange	real
flIELMLossChange	IncChangePct	real
flIELMLossResults	StudyCaseId	int
flIELMLossResults	ReturnPeriodId	char(6)
flIELMLossResults	TimeInterval	char (5)
flIELMLossResults	LossType	char (1)
flIELMLossResults	AidType	char(1)
flIELMLossResults	AGRI	real
flIELMLossResults	MINE	real
flIELMLossResults	CNST	real
flIELMLossResults	MNFG	real
flIELMLossResults	TRNS	real
flIELMLossResults	TRDE	real
flIELMLossResults	FIRE	real
flIELMLossResults	SERV	real
flIELMLossResults	GOVT	real
flIELMLossResults	MISC	real
flIELMLossResults	Total	real
flIELMLossResults	TotalPercent	real
flIELMLossResults	Year	char(4)

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flIELMLossResults	AnalysisOptId	int
flIELMLossResults_2	StudyCaseId	int
flIELMLossResults_2	ReturnPeriodId	char(6)
flIELMLossResults_2	TimeInterval	char (5)
flIELMLossResults_2	LossType	char (1)
flIELMLossResults_2	AidType	char (1)
flIELMLossResults_2	AGRI	real
flIELMLossResults_2	MINE	real
flIELMLossResults_2	CNST	real
flIELMLossResults_2	MNFG	real
flIELMLossResults_2	TRNS	real
flIELMLossResults_2	TRDE	real
flIELMLossResults_2	FIRE	real
flIELMLossResults_2	SERV	real
flIELMLossResults_2	GOVT	real
flIELMLossResults_2	MISC	real
flIELMLossResults_2	Total	real
flIELMLossResults_2	TotalPercent	real
flIELMLossResults_2	Year	char(4)
flIELMLossResults_2	AnalysisOptId	int
flIELMOccup2SectorMap	Occup2SctrMapId	int
flIELMOccup2SectorMap	Occupancy	char(5)
flIELMOccup2SectorMap	OccupDesc	varchar(40)
flIELMOccup2SectorMap	PercentMapped	smallint
flIELMOccup2SectorMap	Sector	char(4)
flIELMOccup2SectorMap	SectorDesc	varchar(40)
flIELMParams	ParamName	varchar(40)
flIELMParams	ParamValue	varchar(40)
flIELMParams	ParamType	char(1)
flIELMParams	Description	varchar(100)
flIELMParams	CategoryId	varchar(20)
flIELMParamsByTimeOrder	TimeInterval	char(3)
flIELMParamsByTimeOrder	SortOrder	int
flIELMSectorOutput	Sector	char (4)
flIELMSectorOutput	Output	real
flIELMStimulus	TimeInterval	TimeInterval
flIELMStimulus	Sector	Sector
flIELMStimulus	Stimulus	Stimulus
flLightRailBridge	LightRailBridgeId	char(8)
flLightRailBridge	Elevation	float
flLightRailBridgeDflt	BridgeClass	char(5)
flLightRailBridgeDflt	Elevation	float
flNaturalGasFlty	NaturalGasFltyId	char(8)
flNaturalGasFlty	UtilIndicator	int
flNaturalGasFlty	FoundationType	char(1)
flNaturalGasFlty	EquipmentHt	float
flNaturalGasFlty	FloodProtection	int
flNaturalGasFlty	UtilDamageFnId	varchar(10)
flNaturalGasFltyDflt	UtilFcltyClass	char(5)
flNaturalGasFltyDflt	UtilIndicator	int
flNaturalGasFltyDflt	FoundationType	char(1)
flNaturalGasFltyDflt	EquipmentHt	float
flNaturalGasFltyDflt	FloodProtection	int
flNaturalGasFltyDflt	UtilDamageFnId	varchar(10)
flNaturalGasPl	NaturalGasPlId	char(8)
flNaturalGasPl	SystemId	varchar(5)
flNaturalGasPl	VulnbltyToScour	varchar(10)

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flNaturalGasPl	IDUpperJunction	smallint
flNaturalGasPl	IDLowerJunction	smallint
flNaturalGasPl	DamageFnId	varchar(10)
flNightVehicleInv	CensusBlock	char(15)
flNightVehicleInv	TotalVehicle	int
flNightVehicleInv	Cars	int
flNightVehicleInv	LightTrucks	int
flNightVehicleInv	HeavyTrucks	int
flNightVehicleInv	TotalExp	float
flNightVehicleInv	TValNewCars	float
flNightVehicleInv	TValUsedCars	float
flNightVehicleInv	TValNewLightTrucks	float
flNightVehicleInv	TValUsedLightTrucks	float
flNightVehicleInv	TValNewHeavyTrucks	float
flNightVehicleInv	TValUsedHeavyTrucks	float
flOilFlty	OilFltyId	char(8)
flOilFlty	UtilIndicator	int
flOilFlty	FoundationType	char(1)
flOilFlty	EquipmentHt	float
flOilFlty	FloodProtection	int
flOilFlty	UtilDamageFnId	varchar(10)
flOilFlty	NumStories	int
flOilFltyDflt	UtilFcltyClass	char(5)
flOilFltyDflt	UtilIndicator	int
flOilFltyDflt	FoundationType	char(1)
flOilFltyDflt	EquipmentHt	float
flOilFltyDflt	FloodProtection	int
flOilFltyDflt	UtilDamageFnId	varchar(10)
flOilFltyDflt	NumStories	int
flOilPl	OilPlId	OilPlId
flOilPl	SystemId	SystemId
flOilPl	VulnbltyToScour	VulnbltyToScour
flOilPl	IDUpperJunction	IDUpperJunction
flOilPl	IDLowerJunction	IDLowerJunction
flOilPl	DamageFnId	DamageFnId
flPoliceStation	PoliceStationId	char(8)
flPoliceStation	BldgType	varchar(15)
flPoliceStation	DesignLevel	char(1)
flPoliceStation	FoundationType	char(1)
flPoliceStation	FirstFloorHt	float
flPoliceStation	BldgDamageFnId	varchar(10)
flPoliceStation	ContDamageFnId	varchar(10)
flPoliceStation	FloodProtection	int
flPoliceStationDflt	EFClass	char(5)
flPoliceStationDflt	BldgType	varchar(15)
flPoliceStationDflt	DesignLevel	char(1)
flPoliceStationDflt	FoundationType	char(1)
flPoliceStationDflt	FirstFloorHt	float
flPoliceStationDflt	BldgDamageFnId	varchar(10)
flPoliceStationDflt	ContDamageFnId	varchar(10)
flPoliceStationDflt	FloodProtection	int
flPotableWaterFlty	PotableWaterFltyId	char(8)
flPotableWaterFlty	UtilIndicator	int
flPotableWaterFlty	FoundationType	char(1)
flPotableWaterFlty	EquipmentHt	float
flPotableWaterFlty	FloodProtection	int
flPotableWaterFlty	UtilDamageFnId	varchar(10)

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flPotableWaterFltyDflt	UtilFcltyClass	char(5)
flPotableWaterFltyDflt	UtilIndicator	smallint
flPotableWaterFltyDflt	FoundationType	char(1)
flPotableWaterFltyDflt	EquipmentHt	float
flPotableWaterFltyDflt	FloodProtection	int
flPotableWaterFltyDflt	UtilDamageFnId	varchar(10)
flPotableWaterPl	PotableWaterPlId	char(8)
flPotableWaterPl	SystemId	varchar(5)
flPotableWaterPl	VulnbltyToScour	varchar(10)
flPotableWaterPl	IDUpperJunction	smallint
flPotableWaterPl	IDLowerJunction	smallint
flPotableWaterPl	DamageFnId	varchar(10)
flProcessParams	HazardType	int
flProcessParams	ControlHazard	char(2)
flProcessParams	NumReturnPeriods	int
flProcessParams	NumProcess	int
flRailwayBridge	RailwayBridgeId	char(8)
flRailwayBridge	Elevation	float
flRailwayBridgeDflt	BridgeClass	char(5)
flRailwayBridgeDflt	Elevation	float
flReportControl	Layout_Name	char(50)
flReportControl	Control	char(50)
flReportControl	Property	char(50)
flReportControl	Value	char(80)
flReturnPeriod	RetPeriodID	char(6)
flReturnPeriod	ReturnPeriodDesc	varchar(20)
flRsFnEssntFlty	EfClass	char(8)
flRsFnEssntFlty	FunctionalDepth	float
flRsFnEssntFlty	Min_Depth	int
flRsFnEssntFlty	Max_Depth	int
flRsFnEssntFlty	Min_Restor_Months	int
flRsFnEssntFlty	Max_Restor_Months	int
flRsFnEssntFlty	Min_Restor_Days	int
flRsFnEssntFlty	Max_Restor_Days	int
flRsFnEssntFlty	SortOrder	int
flRsFnGBS	SOccup	char(5)
flRsFnGBS	Min_Depth	int
flRsFnGBS	Max_Depth	int
flRsFnGBS	Min_Restor_Months	int
flRsFnGBS	Max_Restor_Months	int
flRsFnGBS	Min_Restor_Days	int
flRsFnGBS	Max_Restor_Days	int
flRsFnGBST	SOccup	char(5)
flRsFnGBST	Neg	int
flRsFnGBST	UpTo1	int
flRsFnGBST	UpTo4	int
flRsFnGBST	UpTo8	int
flRsFnGBST	UpTo12	int
flRsFnGBST	UpTo24	int
flSPControl	ViewName	varchar(100)
flSPControl	Mode	int
flSPControl	SequenceId	int
flSPControl	Call_SQL	varchar(100)
flSPControl	Arg1	varchar(100)
flSPControl	Arg2	varchar(100)
flSPControl	Arg3	varchar(100)
flSPControl	Arg4	varchar(100)

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flSPControl	Arg5	varchar(100)
flSPControl	Arg6	varchar(100)
flSPControl	Arg7	varchar(100)
flSPControl	Arg8	varchar(100)
flSPControl	Arg9	varchar(100)
flSPControl	Arg10	varchar(100)
flSchemeCoastal	SchemeId	varchar(10)
flSchemeCoastal	SOccup	char(5)
flSchemeCoastal	FoundationType	char(10)
flSchemeCoastal	PreFirmDist	int
flSchemeCoastal	PreFirmHt	int
flSchemeCoastal	PostFirmDistAZone	int
flSchemeCoastal	PostFirmHtAZone	int
flSchemeCoastal	PostFirmDistVZone	int
flSchemeCoastal	PostFirmHtVZone	int
flSchemeCoastal	HazardType	char(1)
flSchemeGLakes	SchemeId	varchar(10)
flSchemeGLakes	SOccup	char(5)
flSchemeGLakes	FoundationType	char(10)
flSchemeGLakes	PreFirmDist	int
flSchemeGLakes	PreFirmHt	int
flSchemeGLakes	PostFirmDistAZone	int
flSchemeGLakes	PostFirmHtAZone	int
flSchemeGLakes	PostFirmDistVZone	int
flSchemeGLakes	PostFirmHtVZone	int
flSchemeGLakes	HazardType	char(1)
flSchemeInfo	SchemeId	varchar(10)
flSchemeInfo	SchemeName	varchar(50)
flSchemeInfo	Created	datetime
flSchemeInfo	Updated	datetime
flSchemeInfo	Editable	int
flSchemeInfo	Description	varchar(100)
flSchemeMapping	CensusBlock	char(15)
flSchemeMapping	SchemeId	varchar(10)
flSchemeMapping	EntryDate	smallint
flSchemeMapping	UDPrePct	int
flSchemeRiverine	SchemeId	varchar(10)
flSchemeRiverine	SOccup	char(5)
flSchemeRiverine	FoundationType	char(10)
flSchemeRiverine	PreFirmDist	int
flSchemeRiverine	PreFirmHt	int
flSchemeRiverine	PostFirmDist	int
flSchemeRiverine	PostFirmHt	int
flSchemeRiverine	HazardType	char(1)
flSchool	SchoolId	char(8)
flSchool	BldgType	varchar(15)
flSchool	DesignLevel	char(1)
flSchool	FoundationType	char(1)
flSchool	FirstFloorHt	float
flSchool	BldgDamageFnId	varchar(10)
flSchool	ContDamageFnId	varchar(10)
flSchool	FloodProtection	int
flSchoolDflt	EfClass	char(5)
flSchoolDflt	BldgType	varchar(15)
flSchoolDflt	DesignLevel	char(1)
flSchoolDflt	FoundationType	char(1)
flSchoolDflt	FirstFloorHt	float

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flSchoolDflt	BldgDamageFnId	varchar(10)
flSchoolDflt	ContDamageFnId	varchar(10)
flSchoolDflt	FloodProtection	int
flShelterParams	ParamClass	char(3)
flShelterParams	Description	char(150)
flShelterParams	Factors	float
flShelterParams	SortOrder	int
flSqFootageGBldgTypeB	CensusBlock	char(15)
flSqFootageGBldgTypeB	TotalSqft	real
flSqFootageGBldgTypeB	WoodF	real
flSqFootageGBldgTypeB	SteelF	real
flSqFootageGBldgTypeB	ConcreteF	real
flSqFootageGBldgTypeB	MasonryF	real
flSqFootageGBldgTypeB	ManufHousingF	real
flStudyCase	StudyCaseID	int
flStudyCase	StudyCaseName	varchar(40)
flStudyCase	StudyCaseDesc	varchar(255)
flStudyCaseBlocks	StudyCaseId	int
flStudyCaseBlocks	CensusBlock	char(15)
flStudyCaseParms	StudyCaseID	int
flStudyCaseParms	ParmKey	varchar(255)
flStudyCaseParms	ParmValue	varchar(1024)
flUserDefinedFlty	UserDefinedFltyId	char(8)
flUserDefinedFlty	BldgType	varchar(15)
flUserDefinedFlty	DesignLevel	char(1)
flUserDefinedFlty	FoundationType	char(1)
flUserDefinedFlty	FirstFloorHt	float
flUserDefinedFlty	BldgDamageFnId	varchar(10)
flUserDefinedFlty	ContDamageFnId	varchar(10)
flUserDefinedFlty	InvDamageFnId	varchar(10)
flUserDefinedFlty	FloodProtection	int
flUtilFltyDmgFn	UtilFltyDmgFnID	numeric
flUtilFltyDmgFn	Occupancy	char(5)
flUtilFltyDmgFn	Source	varchar(50)
flUtilFltyDmgFn	Description	varchar(100)
flUtilFltyDmgFn	ft00	float
flUtilFltyDmgFn	ft01	float
flUtilFltyDmgFn	ft02	float
flUtilFltyDmgFn	ft03	float
flUtilFltyDmgFn	ft04	float
flUtilFltyDmgFn	ft05	float
flUtilFltyDmgFn	ft06	float
flUtilFltyDmgFn	ft07	float
flUtilFltyDmgFn	ft08	float
flUtilFltyDmgFn	ft09	float
flUtilFltyDmgFn	ft10	float
flUtilFltyDmgFn	Comment	varchar(255)
flUtilFltyDmgUnionDetails	SOccupId	char(5)
flUtilFltyDmgUnionDetails	Occupancy	char(5)
flUtilFltyDmgUnionDetails	EquipmentHt	varchar(10)
flUtilFltyDmgUnionDetails	Fnctdepth	int
flUtilFltyDmgUnionDetails	SortOrder	int
flUtilFltyDmgXRef	SOccupId	char(5)
flUtilFltyDmgXRef	UtilFltyDmgFnId	int
flUtilFltyDmgXRef	DefaultFn	bit
flUtilFltyDmgXRef	Selected	bit
flUtilFltyDmgXRef	Editable	bit

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flUtilFltyDmgXRef	HazardR	bit
flUtilFltyDmgXRef	HazardCA	bit
flUtilFltyDmgXRef	HazardCV	bit
flVehDmgFn	VehDmgFnId	numeric
flVehDmgFn	VehicleType	char(5)
flVehDmgFn	Source	char(50)
flVehDmgFn	Description	varchar(100)
flVehDmgFn	ft00	float
flVehDmgFn	ft00_5	float
flVehDmgFn	ft01	float
flVehDmgFn	ft01_5	float
flVehDmgFn	ft02	float
flVehDmgFn	ft02_5	float
flVehDmgFn	ft03	float
flVehDmgFn	ft03_5	float
flVehDmgFn	ft04	float
flVehDmgFn	ft04_5	float
flVehDmgFn	ft05	float
flVehDmgFn	ft05_5	float
flVehDmgFn	ft06	float
flVehDmgFn	ft06_5	float
flVehDmgFn	ft07	float
flVehDmgFn	ft07_5	float
flVehDmgFn	ft08	float
flVehDmgFn	ft08_5	float
flVehDmgFn	ft09	float
flVehDmgFn	ft09_5	float
flVehDmgFn	ft10	float
flVehDmgFn	ft10_5	float
flVehDmgFn	ft11	float
flVehDmgFn	ft11_5	float
flVehDmgFn	ft12	float
flVehDmgFn	ft12_5	float
flVehDmgFn	ft13	float
flVehDmgFn	ft13_5	float
flVehDmgFn	Comment	varchar(255)
flVehDmgUnionDetails	VehicleType	char(5)
flVehDmgUnionDetails	Occupancy	char(15)
flVehDmgUnionDetails	VehicleHt	float
flVehDmgUnionDetails	Fnctdepth	int
flVehDmgUnionDetails	SortOrder	int
flVehDmgXRef	VehicleType	char(5)
flVehDmgXRef	VehDmgFnId	int
flVehDmgXRef	DefaultFn	bit
flVehDmgXRef	Selected	bit
flVehDmgXRef	Editable	bit
flVehDmgXRef	HazardR	bit
flVehDmgXRef	HazardCA	bit
flVehDmgXRef	HazardCV	bit
flWasteWaterFlty	WasteWaterFltyId	char(8)
flWasteWaterFlty	UtilIndicator	int
flWasteWaterFlty	FoundationType	char(1)
flWasteWaterFlty	EquipmentHt	float
flWasteWaterFlty	FloodProtection	int
flWasteWaterFlty	UtilDamageFnId	varchar(10)
flWasteWaterFltyDflt	UtilFcltyClass	char(5)
flWasteWaterFltyDflt	UtilIndicator	int

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flWasteWaterFltyDflt	FoundationType	char(1)
flWasteWaterFltyDflt	EquipmentHt	float
flWasteWaterFltyDflt	FloodProtection	int
flWasteWaterFltyDflt	UtilDamageFnId	varchar(10)
flWasteWaterPl	WasteWaterPlId	char(8)
flWasteWaterPl	SystemId	varchar(5)
flWasteWaterPl	VulnbltyToScour	varchar(10)
flWasteWaterPl	IDUpperJunction	smallint
flWasteWaterPl	IDLowerJunction	smallint
flWasteWaterPl	DamageFnId	varchar(10)
flAgeDistribution	DecadeID	int
flAgeDistribution	LowB	int
flAgeDistribution	MedB	int
flAgeDistribution	HighB	int
flDecadeDescription	DecBegin	int
flDecadeDescription	DecEnd	int
flDecadeDescription	DecadeID	int
flDecadeDescription	Description	varchar(50)
flBldgContDmgFnNorm	ContDmgFnID	int
flBldgContDmgFnNorm	Depth	int
flBldgContDmgFnNorm	Val	float
flBldgInvDmgFnNorm	InvDmgFnID	int
flBldgInvDmgFnNorm	Depth	int
flBldgInvDmgFnNorm	Val	float
flBlockType	ID	int
flBlockType	BlockTypeID	varchar(1)
flBlockType	Description	varchar(50)
flDepth	ID	int
flDepth	Depth	real
flDmgBase	FirmID	int
flDmgBase	BlockTypeID	int
flDmgBase	HazardTypeID	int
flDmgBase	FoundationID	int
flDmgBase	STORYID	int
flDmgBase	OCCID	int
flDmgBase	SOCCUPID	varchar(6)
flDmgBase	DepthID	int
flDmgBase	DepthInStructure	float
flFFEKey	FirmID	int
flFFEKey	BlockTypeID	int
flFFEKey	HazardTypeID	int
flFFEKey	FoundationID	int
flFFEKey	FFEID	int
flFFEValues	FFESet	int
flFFEValues	FFEID	int
flFFEValues	First_Fl_Ht	int
flFFEValues	Notes	varchar(50)
flFIRM	ID	int
flFIRM	Description	varchar(50)
flGBSDistNonRes	StateFIPS	varchar(2)
flGBSDistNonRes	SchemeID	varchar(8)
flGBSDistNonRes	BlockTypeID	int
flGBSDistNonRes	SOccupID	int
flGBSDistNonRes	StoryID	int
flGBSDistNonRes	FIRMID	int
flGBSDistNonRes	FoundationID	int
flGBSDistNonRes	HazardZoneID	int

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flGBSDistNonRes	DecadeID	int
flGBSDistNonRes	Pct	real
flGBSDistRes	StateFIPS	varchar(2)
flGBSDistRes	SchemeID	varchar(8)
flGBSDistRes	BlockTypeID	int
flGBSDistRes	SOccupID	int
flGBSDistRes	StoryID	int
flGBSDistRes	FIRMID	int
flGBSDistRes	FoundationID	int
flGBSDistRes	HazardZoneID	int
flGBSDistRes	Pct	real
flGBSOccupInv	ID	int
flGBSOccupInv	Inv	bit
flHazType	ID	int
flHazType	ZoneID	int
flHazType	ZoneAbbr	varchar(2)
flHazType	Description	varchar(50)
flSOccupIDBase	ID	int
flSOccupIDBase	SOccupID	varchar(3)
flSOccupIDBase	SOccup	varchar(5)
flSOccupIDBase	GenOccup	varchar(5)
flSOccupStoriesXRef	SOccupID	int
flSOccupStoriesXRef	StoryID	int
flSOccupStoriesXRef	Story	varchar(1)
flSOccupStoriesXRef	StoryDesc	varchar(50)
flStateFIPSRES1	StateFips	StateFips
flStateFIPSRES1	StateAbbrev	StateAbbrev
flStateFIPSRES1	StateName	StateName
flStateFIPSRES1	OneStory	OneStory
flStateFIPSRES1	TwoStory	TwoStory
flStateFIPSRES1	ThreeStory	ThreeStory
flStateFIPSRES1	SplitLevel	SplitLevel
flStateFIPSRES2	StateFips	varchar(2)
flStateFIPSRES2	State	varchar(2)
flStateFIPSRES2	StateName	varchar(40)
flStateFIPSRES2	OneStory	float
flStateFIPSRES2	TwoStory	float
flStateFIPSRES3	StateFips	varchar(2)
flStateFIPSRES3	State	varchar(2)
flStateFIPSRES3	StateName	varchar(40)
flStateFIPSRES3	OneStory	float
flStateFIPSRES3	ThreeStory	float
flStateFIPSRES3	FiveStory	float
flZone	ID	int
flZone	Description	varchar(50)
flGBSFinal	StudyCaseId	int
flGBSFinal	AnalysisOptId	int
flGBSFinal	ReturnPeriodID	varchar(6)
flGBSFinal	CensusBlock	varchar(15)
flGBSFinal	SchemeID	varchar(8)
flGBSFinal	ZoneID	int
flGBSFinal	FirmID	int
flGBSFinal	BlockTypeID	int
flGBSFinal	HazardTypeID	int
flGBSFinal	OCCID	int
flGBSFinal	Depth	int
flGBSFinal	DecadeID	int

B.4 Flood Template Database Table Column List

Table Name	Columns Name	Data type
flGBSFinal	DistPct	real
flGBSFinal	PctAffected	real
flGBSFinal	PctDmgStrC	real
flGBSFinal	PctDmgContC	real
flGBSFinal	PctDmgInvC	real
flGBSFinal	PrePct	real
flGBSFinal	PostPct	real
flGBSFinal	DmgStrBin	int
flGBSFinal	SqPostADmgStrC	real
flGBSFinal	SqPreADmgStrC	real
flGBSFinal	BLDGPostADmgStrC	real
flGBSFinal	BLDGPreADmgStrC	real
flGBSFinal	CONTDPostADmgContC	real
flGBSFinal	CONTDPreADmgContC	real
flGBSFinal	CTPostADmgStrC	real
flGBSFinal	CTPreADmgStrC	real
flGBSFinal	DEPBPostADmgStrC	real
flGBSFinal	DEPBPreADmgStrC	real
flGBSFinal	DEPCPostADmgContC	real
flGBSFinal	DEPCPreADmgContC	real
flGBSFinal	INVPostADmgInvC	real
flGBSFinal	INVPreADmgInvC	real
flGBSVelocityFinal	StudyCaseID	int
flGBSVelocityFinal	ReturnPeriodID	varchar(6)
flGBSVelocityFinal	CensusBlock	char(15)
flGBSVelocityFinal	Velocity	varchar(2)
flGBSVelocityFinal	SchemeID	varchar(8)
flGBSVelocityFinal	ZoneID	int
flGBSVelocityFinal	FirmID	int
flGBSVelocityFinal	BlockTypeID	int
flGBSVelocityFinal	HazardTypeID	int
flGBSVelocityFinal	FoundationID	int
flGBSVelocityFinal	STORYID	int
flGBSVelocityFinal	OCCID	int
flGBSVelocityFinal	DepthID	int
flGBSVelocityFinal	DecadeID	int
flGBSVelocityFinal	AnalysisOptID	int
flGBSVelocityFinal	PctName	varchar(4)
flGBSVelocityFinal	PctSOccupId	varchar(5)
flGBSVelocityFinal	PctDmgStr	real
flGBSVelocityFinal	PctDmgCont	real
flGBSVelocityFinal	PctDmgInv	real