

StreamStatsDB version 2008-06-02b

Data Dictionary

Total Number of Tables	24	Dependent:	4
Total Number of Relationships	26	Recursive:	
Total Number of Indexes	86		
Total Number of Fields	153		
Number of Unique Fields as PK's	17	(Used as PK's 25 times)	
Number of Fields as FK's	10		
Non-PK or -FK Fields	117		
Total Number of Records	1,552,322		

How to read the Data Dictionary listings:

Each table starts on a new page. The top section shows table information:

Table Name

Number of fields

Current number of records at the time the dictionary was generated

Dependency - Full means the table primary key (PK) contains a foreign key (FK) field; Partial means the table contains a required, non-PK, FK field; Optional means the table contains a non-required FK; Independent means the table has no FK fields; Unknown is used for broken links and other table errors.

Loading Order - 1 if not dependent upon other tables, 2 if dependent on at least one level 1 table, 3 if dependent upon at least one level 2 table, etc.

Recursive - checked if table has a self-join, recursive Foreign Key field

Date of last update to the table at the time the dictionary was generated

Linked Table Source if table is linked to a table in another database

Description of the table contents or function

Below the table section, each field in the table is listed along with definition information:

Field position within the table

Field Name

PK - checked if field is part of the Primary Key for the table

FK - checked if field is a Foreign Key--pointing to data in a 'parent' table

Rqd - checked if field is Required to have a value for each record in the table, if unchecked field is optional

Data Type of the field

Size of the field (allowed number of characters for Text fields, for other data types it represents the number of bytes used for storage)

Default value for the field (usually refers to a foreign key value representing a selection from a domain table)

Description of the field

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Table Name: **ClimateFactor**

Table Description: **Table of coordinates and climate factor values used in ROI regression**

Number of Fields: **5** Dependency: Independent Recursive: ☐

Number of Records: **640** Loading Order: **1** Last Updated: 6/2/2008 10:13:37 AM

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	x	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Long Integer	4		ROI longitude variable?
2	y	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Long Integer	4		ROI latitude variable?
3	C2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Double	8		ROI 2-year climate factor?
4	C25	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Double	8		ROI 25-year climate factor?
5	C100	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Double	8		ROI 100-year climate factor?

Table Name: **Components**

Table Description: **List of parameters associated with each dependent variable and the constants and exponents associated with each parameter**

Number of Fields: **8** Dependency: Optional Recursive: ☐

Number of Records: **7,487** Loading Order: **4** Last Updated: 6/2/2008 10:42:01 AM

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	DepVarID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Long Integer	4		Regression equation dependent variable identification number
2	ParmID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Long Integer	4		Regression equation parameter (explanatory variable) identification number
3	BaseMod	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Double	8		Regression equation explanatory variable base modifier
4	BaseCoeff	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Double	8		Regression equation explanatory variable base coefficient
5	BaseExp	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Double	8		Regression equation explanatory variable base exponent
6	ExponentParmID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Integer	2		Regression equation parameter ID of the exponent variable
7	ExpMod	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Double	8		Regression equation exponent modifier
8	ExpExp	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Double	8		Regression equation exponent of the exponent

Table Name: **County**

Table Description: **List of Counties**

Number of Fields: **4** Dependency: Independent Recursive: ☐

Number of Records: **3,236** Loading Order: **1** Last Updated: 6/2/2008 10:13:37 AM

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	StateCountyCode	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	255		StateCode + CountyCode (2+3 digit = 5 digit unique code)
2	StateCode	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	2		WATSTORE state identification number for location of station
3	CountyCode	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	3		WATSTORE county code
4	County	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	255		County name

Table Name: **Covariance**

Table Description: **Values that make up covariance matrices needed to compute prediction intervals**

Number of Fields: **4** Dependency: Full

Recursive: ☐

Number of Records: **7,840**

Loading Order: **4**

Last Updated: 6/2/2008 10:51:14 AM

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	DepVarID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Long Integer	4		Dependent variable ID for covariance matrix for computing prediction intervals
2	Row	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Long Integer	4		Covariance matrix row number
3	Col	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Long Integer	4		Covariance matrix column number
4	Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Double	8		Covariance matrix value for designated row and column

Table Name: **DataSource**

Table Description: **List of Sources of Data and Citation URL**

Number of Fields: **3** Dependency: Independent Recursive: ☐

Number of Records: **70** Loading Order: **1** Last Updated: 6/2/2008 10:13:37 AM

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	DataSourceID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	50		Data source identification number corresponding the citation for report
2	Citation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Memo	--		Report reference
3	CitationURL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Memo	--		Report Internet URL address

Table Name: **DBChangeLog**

Table Description: **System table - Change log for structure or data**

Number of Fields: **2** Dependency: Independent Recursive: ☐

Number of Records: **31** Loading Order: **1** Last Updated: 6/2/2008 10:13:37 AM

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	Date	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	DateTime	8		Data of DB change
2	Change	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Memo	--		Description of DB change

Table Name: **DepVars**

Table Description: **List of dependent variables used in regression equations, errors associated with the equations, and values needed to compute prediction intervals**

Number of Fields: **16**

Dependency: Optional

Recursive: ☐

Number of Records: **3,350**

Loading Order: **3**

Last Updated: 6/2/2008 10:51:14 AM

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	DepVarID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Long Integer	4		Dependent variable identification number
2	RegionID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Long Integer	4		Hydrologic region identification number
3	StatLabelCode	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	255		Dependent variable name
4	StdErr	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Double	8		Average standard error (of either estimate or prediction)
5	EstErr	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Double	8		Average standard error of estimate
6	PreErr	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Double	8		Average standard error of prediction
7	EquivYears	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Double	8		Equivalent years of record
8	Constant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Double	8		Regression equation constant
9	BCF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Double	8		Regression equation bias correction factor
10	t	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Double	8		Student's t statistic for computing prediction intervals
11	Variance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Double	8		Model error variance of regression equation
12	Stas	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Double	8		Number of stations used to develop equations - not used
13	ExpDA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Double	8		Exponent of drainage area for weighting ungaged sites near gaged sites
14	CoeffDet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Double	8		Coefficient of determination R-squared
15	MAD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Double	8		Median absolute deviation between observed and predicted

16 AccessFlag

☐ ☐ ☐ Yes/No

1

?

Table Name: **DetailedLog**

Table Description: **System table - Transaction Log Details**

Number of Fields: **6** Dependency: Independent Recursive: ☐

Number of Records: **20,059** Loading Order: **1** Last Updated: 6/2/2008 10:13:37 AM

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	TransID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Long Integer	4		Transaction identification number
2	Table	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	255		Table name where change was made
3	Field	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	255		Field number hat was changed
4	Record	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	255		Record number that was changed
5	OldVal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	255		Old value
6	NewVal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	255		New value

Table Name: **HUC**

Table Description: **List of HUCs**

Number of Fields: **4** Dependency: Independent Recursive: ☐

Number of Records: **2,960** Loading Order: **1** Last Updated: 6/2/2008 10:17:24 AM

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	StateHucCode	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	255		StateCode + HUC code as a unique text identifier
2	StateCode	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	2		WATSTORE state identification number for location of station
3	HUC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	16		Hydrologic unit code number
4	HUCName	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	70		Hydrologic unit name

Table Name: **MCD**

Table Description: **List of MCDs**

Number of Fields: **4** Dependency: Independent Recursive: ☐

Number of Records: **36,352** Loading Order: **1** Last Updated: 6/2/2008 10:13:37 AM

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	StateMCDCCode	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	255		StateCode + MCDCCode (2+5 digit = 7 digit unique code)
2	StateCode	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	2		WATSTORE state identification number for location of station
3	MCDCCode	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	5		Minor civil division code number
4	MCDName	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	40		Minor civil division name

Table Name: **Parameters**

Table Description: **List of Station Parameters (explanatory variables), units of measure, and ranges of applicability**

Number of Fields: **10**

Dependency: Partial

Recursive: ☐

Number of Records: **1,018**

Loading Order: **3**

Last Updated: 6/2/2008 10:41:50 AM

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	ParmID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Long Integer	4		Parameter (explanatory variable) identification number
2	RegionID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Long Integer	4		Hydrologic region identification number
3	Parameter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	255		Parameter name
4	StatisticLabelCode	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Long Integer	4		Statistic label code
5	Parm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	255		Parameter abbreviation
6	Min	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Double	8		Minimum parameter value used in regression analysis
7	Max	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Double	8		Maximum parameter value used in regression analysis
8	UnitID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Long Integer	4		Conversion flag for units of measure
9	SpatialDataPath	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	255		Pathname of file that contains the GIS coverage for measuring the parameter
10	CompMethod	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	255		Computation method used to measure the parameter

Table Name: **Regions**

Table Description: **List of State-hydrologic region combinations with parameters**

Number of Fields: **8** Dependency: Optional Recursive: ☐

Number of Records: **394** Loading Order: **2** Last Updated: 6/2/2008 10:40:43 AM

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	RegionID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Long Integer	4		Hydrologic region identification number
2	StateCode	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Text	2		WATSTORE state identification number for location of station
3	RegionName	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	50		Hydrologic region name
4	Urban	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Yes/No	1		Indicates if this equation is for urban conditions
5	UrbanNeedsRural	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Yes/No	1		Indicates if the urban estimate needs the rural estimate as a variable
6	ROI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Long Integer	4		Hydrologic region for Region-of-Influence regression (-1 mean not applicable)
7	LowFlow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Long Integer	4	-1	Hydrologic region for low-flow equations
8	PredInt	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Yes/No	1		Indicates if prediction intervals are used for this region

Table Name: **ROIUserParms**

Table Description: **Parameters used for ROI regression**

Number of Fields: **5** Dependency: Full

Recursive: ☐

Number of Records: **23** Loading Order: **4**

Last Updated: 6/2/2008 10:40:43 AM

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	RegionID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Long Integer	4		Hydrologic region identification number
2	ParmID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Long Integer	4		Parameter (explanatory variable) identification number
3	PosNegCorrelation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Single	4		Defines type of correlation variable has between stations: 0=unspecified, 1=positive, 2=negative
4	SimVar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Yes/No	1		Whether variable is used in similarity calculations
5	RegVar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Yes/No	1		Whether variable is used in regression analysis

Table Name: **StateBasin**

Table Description: **List of State Basins (MA only??)**

Number of Fields: **4** Dependency: Independent Recursive: ☐

Number of Records: **74** Loading Order: **1** Last Updated: 6/2/2008 10:13:37 AM

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	StateStateBasinCode	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	255		StateCode + StateBasinCode as unique text identifier
2	StateBasinCode	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Long Integer	4		State-assigned basin number
3	StateBasin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	50		State-assigned basin name
4	StateCode	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	2		WATSTORE state identification number for location of station

Table Name: **States**

Table Description: **List of states, state codes, and ROI metrics**

Number of Fields: **10**

Dependency: Independent

Recursive: ☐

Number of Records: **55**

Loading Order: **1**

Last Updated: 6/2/2008 10:13:37 AM

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	StateCode	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	50		WATSTORE state identification number for location of station
2	St	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	2		2-letter state postal code
3	State	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	30		State name
4	Metric	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Yes/No	1		Units indicator (0 if English, -1 if Metric)
5	ROIPeakFlows	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	40		Statistic labels of peak-flow statistics included in ROI (ex. PK2,PK5)
6	ROIClimateFactor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Yes/No	1		Indicates if ROI uses climate factor
7	ROIDistance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Yes/No	1		Indicates if distance criterion is used for selecting stations in ROI
8	ROIBackStepRegression	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Yes/No	1		Indicates if Back Step process is used in ROI
9	ROIRegions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Yes/No	1		Indicates if ROI uses sub-regions
10	ROISimStations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Integer	2	0	Number of stations used in ROI to compute equation for ungaged site

Table Name: **Station**

Table Description: **Descriptive information for data-collection stations**

Number of Fields: **25** Dependency: Optional Recursive: ☐

Number of Records: **29,137** Loading Order: **2** Last Updated: 6/2/2008 10:13:37 AM

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	StaID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	15		USGS station identification number
2	StationName	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	80		Station name
3	StationTypeCode	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Text	3		Station type indicator (gaging station, low-flow, high-flow, misc.)
4	IsRegulated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	10	"Undefined"	Indicates if flows at station are regulated
5	PeriodOfRecord	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	100		Period of record collected at station
6	StationRemarks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	250		Brief discussion of any factors that affect the records for the station
7	Latitude	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Double	8		Latitude of station from NWIS
8	Longitude	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Double	8		Longitude of station from NWIS
9	HUC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	8		Hydrologic Unit Code
10	StateBasinCode	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Long Integer	4		State-assigned basin number
11	CountyCode	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	3		WATSTORE county code
12	MCDCode	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	5		Minor civil division code number
13	Directions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	100		Brief description of how to reach station
14	HasData	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Yes/No	1	0	Indicates if any statistics are stored in the STATISTIC table for the station
15	StateCode	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	2		2-digit FIPS code for the State where the site is location (name is compatible with STATION-DISTRICT-STATE and 'Station State')

16	DistrictCode	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Text	4	2-digit State FIPS code for the WSC that administers the Station
17	CoordinateSource	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Text	255	* Def needed
18	CoordinateScale	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Text	255	* Def needed
19	StateCountyCode	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Text	255	StateCode + CountyCode (2+3 digit = 5 digit unique code) * replace 2-field join to County table
20	StateMCDCode	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Text	255	StateCode + MCDCode (2+5 digit = 7 digit unique code) * replace 2-field join to MCD table
21	StateHucCode	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Text	255	StateCode + HUC code as a unique text identifier * replace 2-field join to HUC table
22	StateStateBasinCode	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Text	255	StateCode + StateBasinCode as unique text identifier * replace 2-field join to StateBasin table
23	NHDReach	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Text	255	
24	NHDPercent	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Text	255	
25	NHDScale	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Text	255	

Table Name: **StationDistrictState**

Table Description: **Station-State-District combinations**

Number of Fields: **3** Dependency: Independent Recursive: ☐

Number of Records: **28,058** Loading Order: **3** Last Updated: 6/2/2008 10:13:37 AM

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	StaID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	15		USGS station identification number
2	DistrictCode	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	2		WATSTORE state code for USGS office that operates the station
3	StateCode	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	2		WATSTORE state identification number for location of station

Table Name: **StationState**

Table Description: **List of Station-State combinations - stations can have multiple states when used for ROI**

Number of Fields: **3** Dependency: Full Recursive: ☐
Number of Records: **29,753** Loading Order: **3** Last Updated: 6/2/2008 10:13:37 AM

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	StaID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	15		USGS station identification number
2	StateCode	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Text	2		WATSTORE state identification number for location of station
3	ROI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Integer	2		Indicates if station is used in ROI regression for designated State

Table Name: **StationType**

Table Description: **List of Types of Stations**

Number of Fields: **2** Dependency: Independent Recursive: ☐

Number of Records: **5** Loading Order: **1** Last Updated: 6/2/2008 10:13:37 AM

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	StationTypeCode	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	3		Station type indicator (gaging station, low- flow, high-flow, misc.)
2	StationType	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	40		Text description of station type (ex. Gaging station, continuous record)

Table Name: **Statistic**

Table Description: **Statistics for a Station**

Number of Fields: **6** Dependency: Full

Recursive: ☐

Number of Records: **1,377,502**

Loading Order: **3**

Last Updated: 6/2/2008 10:13:37 AM

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	StaID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Text	15		USGS station identification number
2	StatisticLabelCode	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Long Integer	4		Statistic label code
3	DataSourceID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Text	50		Data source identification number corresponding the citation for report
4	StatisticValue	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	50		Value of the statistic
5	Date	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	20		Date that statistic was entered
6	YearsRec	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	255		Years of record

Table Name: **StatLabel**

Table Description: **List of Statistic terms and labels**

Number of Fields: **7** Dependency: Optional

Recursive: ☐

Number of Records: **1,657**

Loading Order: **2**

Last Updated: 6/2/2008 10:13:37 AM

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	StatisticLabelCode	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Long Integer	4		Numeric code indicating the type (category) of statistic
2	StatisticTypeCode	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	6		Abbreviated name for the type of statistic (ex. PFS for Peak-Flow Statistics)
3	StatLabel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	15		Maximum 15-character abbreviation for statistic name
4	StatisticLabel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	40		Name of statistic (ex. 100-Year_Peak_Flood) - Note: no spaces allowed
5	UnitID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Long Integer	4		Units identification code number
6	Definition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	150		Description of statistic, including measurement method and data source, if needed
7	StatisticTypeID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Long Integer	4		Numeric code indicating the type (category) of statistic

Table Name: **StatType**

Table Description: **List of Statistic Types**

Number of Fields: **3** Dependency: Independent Recursive: ☐

Number of Records: **27** Loading Order: **1** Last Updated: 6/2/2008 10:13:37 AM

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	StatisticTypeID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Long Integer	4		Numeric code indicating the type (category) of statistic
2	StatisticTypeCode	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	6		Text code indicating the type of statistic (ex. PFS for Peak-Flow Statistics)
3	StatisticType	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	40		Name of statistic type (ex. Peak-Flow Statistics)

Table Name: **TransactionLog**

Table Description: **System table - Transaction log**

Number of Fields: **7** Dependency: Independent Recursive: ☐

Number of Records: **2,561** Loading Order: **1** Last Updated: 6/2/2008 10:13:37 AM

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	TransID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AutoNumber (Long)	4		Transaction identification number
2	UserName	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	255		Name of person who made modifications to values in the database
3	LogOnName	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	255		Logon ID of person who made modifications to values in the database
4	Organization	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	255		Organization of person who made modifications to values in the database
5	Date_Time	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	255		Date and time when modifications were made
6	Explanation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	255		Explanation of what changes were made
7	Region	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	255		Hydrologic region name

Table Name: **Units**

Table Description: **List of Unit terms and codes**

Number of Fields: **4** Dependency: Independent Recursive: ☐

Number of Records: **33** Loading Order: **1** Last Updated: 6/2/2008 10:13:37 AM

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	UnitID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Long Integer	4		Units identification number
2	Metric	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	50		Metric Unit Label
3	English	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	50		English Unit Label
4	EnglishMetricFactor	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Double	8		Number to multiply English units by to get Metric units