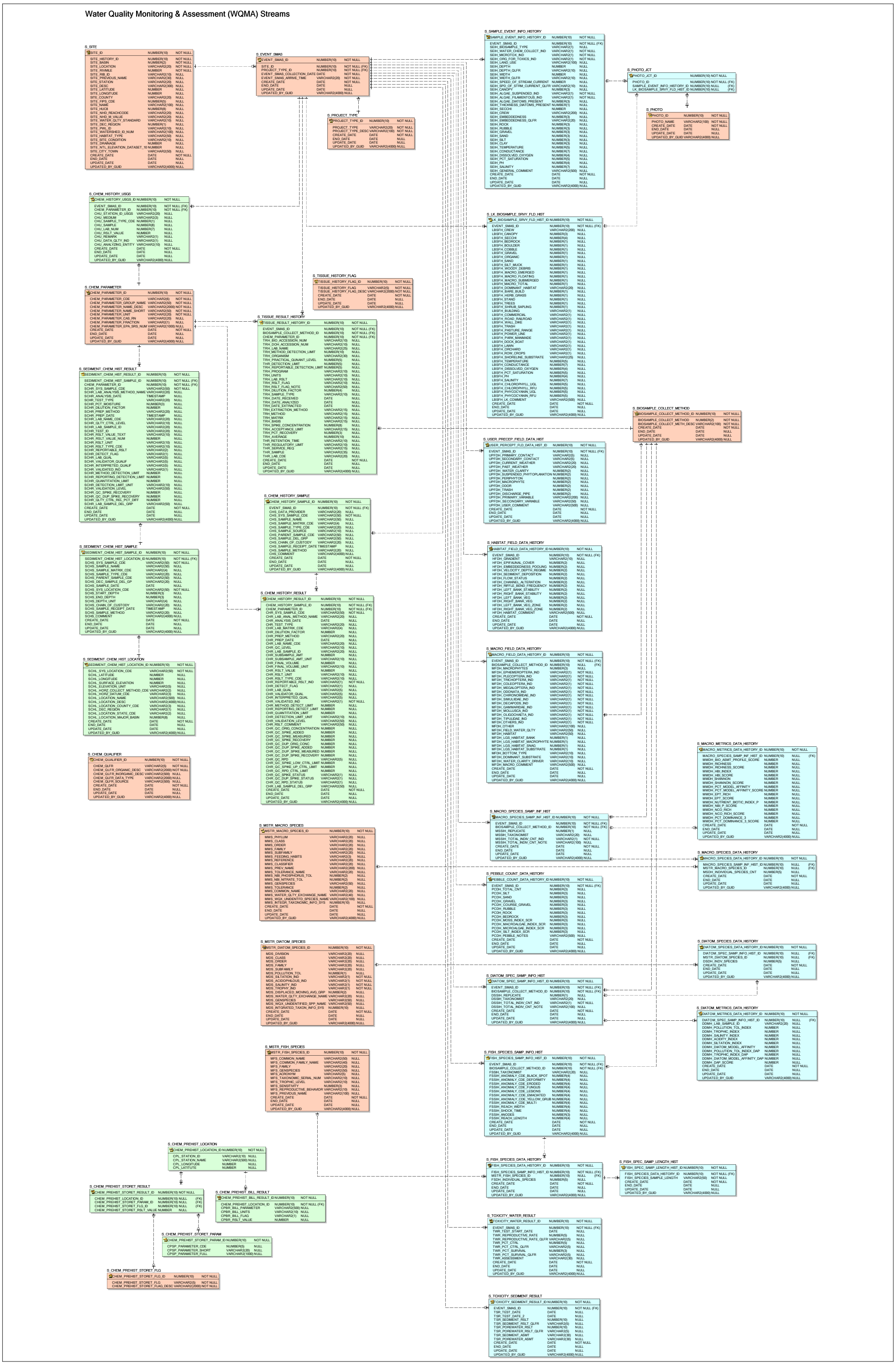
Water Quality Monitoring & Assessment (WQMA) Streams


S_SITE
SITE_ID NUMBER(10) NOT NULL
SITE_HISTORY_ID NUMBER(10) NOT NULL
SITE_BASIN NUMBER(2) NOT NULL
SITE_LOCATION VARCHAR2(20) NOT NULL
SITE_RIVMILE NUMBER NOT NULL
SITE_RIB_ID VARCHAR2(10) NULL
SITE_PREVIOUS_NAME VARCHAR2(30) NULL
SITE_STATION VARCHAR2(20) NULL
SITE_DESC VARCHAR2(300) NULL
SITE_LATITUDE NUMBER NULL
SITE_LONGITUDE NUMBER NULL
SITE_COUNTY VARCHAR2(20) NULL
SITE_FIPS_CDE NUMBER(5) NULL
SITE_NAME VARCHAR2(100) NULL
SITE_HUC8 NUMBER(8) NULL
SITE_NHD_REACHCODE VARCHAR2(20) NULL
SITE_NHD_M_VALUE VARCHAR2(20) NULL
SITE_WATER_QLTY_STANDARD VARCHAR2(10) NULL
SITE_DEC_REGION NUMBER(1) NULL
SITE_PWL_ID VARCHAR2(10) NULL
SITE_WATERSHED_ID_NUM VARCHAR2(100) NULL
SITE_HABITAT_TYPE VARCHAR2(50) NULL
SITE_SITE_CONDITION VARCHAR2(10) NULL
SITE_DRAINAGE NUMBER NULL
SITE_NTL_ELEVATION_DATASET_10 NUMBER NULL
SITE_CITY_TOWN VARCHAR2(50) NULL
CREATE_DATE DATE NOT NULL
END_DATE DATE NULL
UPDATE_DATE DATE NULL
UPDATED_BY_GUID VARCHAR2(4000) NULL
S_EVENT_SMAS
EVENT_SMAS_ID NUMBER(10) NOT NULL
SITE_ID NUMBER(10) NOT NULL (FK)
PROJECT_TYPE_ID NUMBER(10) NOT NULL (FK)
EVENT_SMAS_COLLECTION_DATE DATE NOT NULL
EVENT_SMAS_ARRIVE_TIME VARCHAR2(20) NOT NULL
CREATE_DATE DATE NOT NULL
END_DATE DATE NULL
UPDATE_DATE DATE NULL
UPDATED_BY_GUID VARCHAR2(4000) NULL
S_PROJECT_TYPE
PROJECT_TYPE_ID NUMBER(10) NOT NULL
PROJECT_TYPE VARCHAR2(20) NOT NULL
PROJECT_TYPE_DESC VARCHAR2(100) NOT NULL
CREATE_DATE DATE NOT NULL
END_DATE DATE NULL
UPDATE_DATE DATE NULL
UPDATED_BY_GUID VARCHAR2(4000) NULL
S_SAMPLE_EVENT_INFO_HISTORY
SAMPLE_EVENT_INFO_HISTORY_ID NUMBER(10) NOT NULL
EVENT_SMAS_ID NUMBER(10) NOT NULL (FK)
SEIH_BIOSAMPLE_TYPE VARCHAR2(1) NULL
SEIH_WATER_CHEM_COLLECT_IND VARCHAR2(1) NOT NULL
SEIH_MICROTOX_IND VARCHAR2(1) NOT NULL
SEIH_ORG_FOR_TOXICS_IND VARCHAR2(1) NOT NULL
SEIH_LAND_USE VARCHAR2(100) NULL
SEIH_DEPTH NUMBER NULL
SEIH_DEPTH_QLFR VARCHAR2(10) NULL
SEIH_WIDTH NUMBER NULL
SEIH_WIDTH_QLFR VARCHAR2(10) NULL
SEIH_SPEED_OF_STREAM_CURRENT NUMBER NULL
SEIH_SPD_OF_STRM_CURRENT_QLFR VARCHAR2(10) NULL
SEIH_CANOPY NUMBER(3) NULL
SEIH_ALGAE_SUSPENDED_IND VARCHAR2(1) NOT NULL
SEIH_ALGAE_FILAMENTOUS_IND VARCHAR2(1) NOT NULL
SEIH_ALGAE_DIATOMS_PRESENT NUMBER(3) NULL
SEIH_THICKNESS_DIATOMS_PRESENT NUMBER(1) NULL
SEIH_SECCHI NUMBER NULL
SEIH_CREW VARCHAR2(200) NULL
SEIH_EMBEDDEDNESS NUMBER(3) NULL
SEIH_EMBEDDEDNESS_QLFR VARCHAR2(20) NULL
SEIH_ROCK NUMBER(3) NULL
SEIH_RUBBLE NUMBER(3) NULL
SEIH_GRAVEL NUMBER(3) NULL
SEIH_SAND NUMBER(3) NULL
SEIH_SILT NUMBER(3) NULL
SEIH_CLAY NUMBER(3) NULL
SEIH_TEMPERATURE NUMBER(5) NULL
SEIH_CONDUCTANCE NUMBER(7) NULL
SEIH_DISSOLVED_OXYGEN NUMBER(4) NULL
SEIH_PCT_SATURATION NUMBER(5) NULL
SEIH_PH NUMBER(4) NULL
SEIH_SALINITY NUMBER(7) NULL
SEIH_GENERAL_COMMENT VARCHAR2(500) NULL
CREATE_DATE DATE NOT NULL
END_DATE DATE NULL
UPDATE_DATE DATE NULL
UPDATED_BY_GUID VARCHAR2(4000) NULL
S_PHOTO_JCT
PHOTO_JCT_ID NUMBER(10) NOT NULL
PHOTO_ID NUMBER(10) NOT NULL (FK)
SAMPLE_EVENT_INFO_HISTORY_ID NUMBER(10) NULL (FK)
LK_BIOSAMPLE_SRVY_FLD_HIST_ID NUMBER(10) NULL (FK)
S_PHOTO
PHOTO_ID NUMBER(10) NOT NULL
PHOTO_NAME VARCHAR2(100) NOT NULL
CREATE_DATE DATE NOT NULL
END_DATE DATE NULL
UPDATE_DATE DATE NULL
UPDATED_BY_GUID VARCHAR2(4000) NULL
S_CHEM_HISTORY_USGS
CHEM_HISTORY_USGS_ID NUMBER(10) NOT NULL
EVENT_SMAS_ID NUMBER(10) NOT NULL (FK)
CHEM_PARAMETER_ID NUMBER(10) NOT NULL (FK)
CHU_STATION_ID_USGS VARCHAR2(20) NULL
CHU_MEDIUM VARCHAR2(3) NULL
CHU_SAMPLE_TYPE_CDE NUMBER(1) NULL
CHU_SAMPLE NUMBER(8) NULL
CHU_LAB_NUM NUMBER(7) NULL
CHU_RSLT_VALUE NUMBER NULL
CHU_REMARK VARCHAR2(1) NULL
CHU_DATA_QLTY_IND VARCHAR2(1) NULL
CHU_ANALYZING_ENTITY VARCHAR2(10) NULL
CREATE_DATE DATE NOT NULL
END_DATE DATE NULL
UPDATE_DATE DATE NULL
UPDATED_BY_GUID VARCHAR2(4000) NULL
S_LK_BIOSAMPLE_SRVY_FLD_HIST
LK_BIOSAMPLE_SRVY_FLD_HIST_ID NUMBER(10) NOT NULL
EVENT_SMAS_ID NUMBER(10) NOT NULL (FK)
LBSFH_CREW VARCHAR2(200) NULL
LBSFH_CANOPY NUMBER(3) NULL
LBSFH_SECCHI NUMBER(4) NULL
LBSFH_BEDROCK NUMBER(1) NULL
LBSFH_BOULDER NUMBER(1) NULL
LBSFH_COBBLE NUMBER(1) NULL
LBSFH_GRAVEL NUMBER(1) NULL
LBSFH_ORGANIC NUMBER(1) NULL
LBSFH_SAND NUMBER(1) NULL
LBSFH_SILT_MUCK NUMBER(1) NULL
LBSFH_WOODY_DEBRIS NUMBER(1) NULL
LBSFH_MACRO_EMERGED NUMBER(1) NULL
LBSFH_MACRO_FLOATING NUMBER(1) NULL
LBSFH_MACRO_SUBMERGED NUMBER(1) NULL
LBSFH_MACRO_TOTAL NUMBER(1) NULL
LBSFH_DOMINANT_HABITAT VARCHAR2(20) NULL
LBSFH_BARE_BUILD NUMBER(1) NULL
LBSFH_HERB_GRASS NUMBER(1) NULL
LBSFH_STAND NUMBER(1) NULL
LBSFH_TREES NUMBER(1) NULL
LBSFH_SHRUB_SAPLING NUMBER(1) NULL
LBSFH_BUILDING VARCHAR2(1) NULL
LBSFH_COMMERCIAL VARCHAR2(1) NULL
LBSFH_ROAD_RAILROAD VARCHAR2(1) NULL
LBSFH_WALL_DIKE VARCHAR2(1) NULL
LBSFH_TRASH VARCHAR2(1) NULL
LBSFH_PASTURE_RANGE VARCHAR2(1) NULL
LBSFH_POWER_LINE VARCHAR2(1) NULL
LBSFH_PARK_MANMADE VARCHAR2(1) NULL
LBSFH_DOCK_BOAT VARCHAR2(1) NULL
LBSFH_LAWN VARCHAR2(1) NULL
LBSFH_ORCHARD VARCHAR2(1) NULL
LBSFH_ROW_CROPS VARCHAR2(1) NULL
LBSFH_SHORELINE_SUBSTRATE VARCHAR2(29) NULL
LBSFH_TEMPERATURE NUMBER(5) NULL
LBSFH_CONDUCTANCE NUMBER(7) NULL
LBSFH_DISSOLVED_OXYGEN NUMBER(4) NULL
LBSFH_PCT_SATURATION NUMBER(5) NULL
LBSFH_PH NUMBER(4) NULL
LBSFH_SALINITY NUMBER(7) NULL
LBSFH_CHLOROPHYLL_UGL NUMBER(5) NULL
LBSFH_CHLOROPHYLL_RFU NUMBER(5) NULL
LBSFH_PHYCOCYANIN_UGL NUMBER(5) NULL
LBSFH_PHYCOCYANIN_RFU NUMBER(5) NULL
LBSFH_LK_COMMENT VARCHAR2(500) NULL
CREATE_DATE DATE NOT NULL
END_DATE DATE NULL
UPDATE_DATE DATE NULL
UPDATED_BY_GUID VARCHAR2(4000) NULL
S_TISSUE_HISTORY_FLAG
TISSUE_HISTORY_FLAG_ID NUMBER(10) NOT NULL
TISSUE_HISTORY_FLAG VARCHAR2(5) NOT NULL
TISSUE_HISTORY_FLAG_DESC VARCHAR2(2000) NOT NULL
CREATE_DATE DATE NOT NULL
END_DATE DATE NULL
UPDATE_DATE DATE NULL
UPDATED_BY_GUID VARCHAR2(4000) NULL
S_CHEM_PARAMETER
CHEM_PARAMETER_ID NUMBER(10) NOT NULL
CHEM_PARAMETER_CDE VARCHAR2(6) NOT NULL
CHEM_PARAMETER_GROUP_NAME VARCHAR2(50) NOT NULL
CHEM_PARAMETER_NAME_DESC VARCHAR2(2000) NOT NULL
CHEM_PARAMETER_NAME_SHORT VARCHAR2(50) NOT NULL
CHEM_PARAMETER_UNIT VARCHAR2(20) NOT NULL
CHEM_PARAMETER_CAS_RN VARCHAR2(20) NULL
CHEM_PARAMETER_FRACTION VARCHAR2(1) NULL
CHEM_PARAMETER_EPA_SRS_NUM VARCHAR2(1000) NULL
CREATE_DATE DATE NOT NULL
END_DATE DATE NULL
UPDATE_DATE DATE NULL
UPDATED_BY_GUID VARCHAR2(4000) NULL
S_TISSUE_RESULT_HISTORY
TISSUE_RESULT_HISTORY_ID NUMBER(10) NOT NULL
EVENT_SMAS_ID NUMBER(10) NOT NULL (FK)
BIOSAMPLE_COLLECT_METHOD_ID NUMBER(10) NOT NULL (FK)
CHEM_PARAMETER_ID NUMBER(10) NOT NULL (FK)
TRH_BIO_ACCESSION_NUM VARCHAR2(10) NULL
TRH_DOH_ACCESSION_NUM VARCHAR2(10) NULL
TRH_LAB_NAME VARCHAR2(25) NULL
TRH_METHOD_DETECTION_LIMIT NUMBER(10) NULL
TRH_ORGANISM VARCHAR2(30) NULL
TRH_PRACTICAL_QUNANT_LEVEL NUMBER(5) NULL
THR_DETECTION_LIMIT NUMBER(5) NULL
TRH_REPORTABLE_DETECTION_LIMIT NUMBER(5) NULL
TRH_PROGRAM VARCHAR2(10) NULL
TRH_UNITS VARCHAR2(10) NULL
TRH_LAB_RSLT VARCHAR2(10) NULL
TRH_RSLT_FLAG VARCHAR2(10) NULL
TRH_RSLT_FLAG_NOTE VARCHAR2(50) NULL
TRH_DILUTION_FACTOR NUMBER(4) NULL
TRH_SAMPLE_TYPE VARCHAR2(10) NULL
TRH_DATE_RECEIVED DATE NULL
TRH_DATE_ANALYZED DATE NULL
TRH_DATE_EXTRACTED DATE NULL
TRH_EXTRACTION_METHOD VARCHAR2(15) NULL
TRH_METHOD VARCHAR2(15) NULL
TRH_MATRIX VARCHAR2(15) NULL
TRH_BASIS VARCHAR2(15) NULL
TRH_SPIKE_CONCENTRATION NUMBER(8) NULL
TRH_ACCEPTANCE_LIMIT VARCHAR2(15) NULL
TRH_PCT_RECOVERY NUMBER(3) NULL
TRH_AVERAGE NUMBER(10) NULL
THR_RETENTION_TIME VARCHAR2(10) NULL
THR_REGULATORY_LIMIT VARCHAR2(10) NULL
THR_SERVICE_REQ VARCHAR2(15) NULL
THR_SAMPLE VARCHAR2(35) NULL
THR_LAB_CDE VARCHAR2(20) NULL
CREATE_DATE DATE NOT NULL
END_DATE DATE NULL
UPDATE_DATE DATE NULL
UPDATED_BY_GUID VARCHAR2(4000) NULL
S_BIOSAMPLE_COLLECT_METHOD
BIOSAMPLE_COLLECT_METHOD_ID NUMBER(10) NOT NULL
BIOSAMPLE_COLLECT_METHOD NUMBER(2) NOT NULL
BIOSAMPLE_COLLECT_METH_DESC VARCHAR2(100) NOT NULL
CREATE_DATE DATE NOT NULL
END_DATE DATE NULL
UPDATE_DATE DATE NULL
UPDATED_BY_GUID VARCHAR2(4000) NULL
S_USER_PRECEP_FIELD_DATA_HIST
USER_PERCEPT_FLD_DATA_HIST_ID NUMBER(10) NOT NULL
EVENT_SMAS_ID NUMBER(10) NOT NULL (FK)
UPFDH_PRIMARY_CONTACT VARCHAR2(5) NULL
UPFDH_SECONDARY_CONTACT VARCHAR2(5) NULL
UPFDH_CURRENT_WEATHER VARCHAR2(20) NULL
UPFDH_PAST_WEATHER VARCHAR2(20) NULL
UPFDH_WATER_CLARITY NUMBER(2) NULL
UPFDH_SUSPENDED_PHYTOPLANKTON NUMBER(2) NULL
UPFDH_PERIPHYTON NUMBER(2) NULL
UPFDH_MACROPHYTE NUMBER(2) NULL
UPFDH_ODOR NUMBER(2) NULL
UPFDH_TRASH NUMBER(2) NULL
UPFDH_DISCHARGE_PIPE NUMBER(2) NULL
UPFDH_PRIMARY_VARIABLE VARCHAR2(200) NULL
UPFDH_SECONDARY_VARIABLE VARCHAR2(50) NULL
UPFDH_USER_COMMENT VARCHAR2(500) NULL
CREATE_DATE DATE NOT NULL
END_DATE DATE NULL
UPDATE_DATE DATE NULL
UPDATED_BY_GUID VARCHAR2(4000) NULL
S_SEDIMENT_CHEM_HIST_RESULT
SEDIMENT_CHEM_HIST_RESULT_ID NUMBER(10) NOT NULL
SEDIMENT_CHEM_HIST_SAMPLE_ID NUMBER(10) NOT NULL (FK)
CHEM_PARAMETER_ID NUMBER(10) NOT NULL (FK)
SCHR_SYS_SAMPLE_CDE VARCHAR2(50) NOT NULL
SCHR_LAB_ANALYSIS_METHOD_NAME VARCHAR2(20) NULL
SCHR_ANALYSIS_DATE TIMESTAMP NULL
SCHR_TEST_TYPE VARCHAR2(20) NULL
SCHR_PCT_MOISTURE NUMBER(3) NULL
SCHR_DILUTION_FACTOR NUMBER NULL
SCHR_PREP_METHOD VARCHAR2(20) NULL
SCHR_PREP_DATE TIMESTAMP NULL
SCHR_LAB_NAME_CDE VARCHAR2(20) NULL
SCHR_QLTY_CTRL_LEVEL VARCHAR2(10) NULL
SCHR_LAB_SAMPLE_ID VARCHAR2(20) NULL
SCHR_TEST_ID VARCHAR2(20) NULL
SCHR_RSLT_VALUE_TEXT VARCHAR2(10) NULL
SCHR_RSLT_VALUE_NUM NUMBER NULL
SCHR_RSLT_UNIT VARCHAR2(10) NULL
SCHR_RSLT_TYPE_CDE VARCHAR2(10) NULL
SCHR_REPORTABLE_RSLT VARCHAR2(2) NULL
SCHR_DETECT_FLAG VARCHAR2(1) NULL
SCHR_LAB_QUAL VARCHAR2(5) NULL
SCHR_VALIDATOR_QUALIF VARCHAR2(5) NULL
SCHR_INTERPRETED_QUALIF VARCHAR2(5) NULL
SCHR_VALIDATED_IND VARCHAR2(1) NULL
SCHR_METHOD_DETECTION_LIMIT NUMBER NULL
SCHR_REPORTING_DETECTION_LIMIT NUMBER NULL
SCHR_QUANTITATION_LIMIT NUMBER NULL
SCHR_DETECTION_LIMIT_UNIT VARCHAR2(10) NULL
SCHR_VALIDATION_LEVEL VARCHAR2(50) NULL
SCHR_QC_SPIKE_RECOVERY NUMBER NULL
SCHR_QC_DUP_SPIKE_RECOVERY NUMBER NULL
SCHR_QLTY_CTRL_REL_PCT_DIFF NUMBER NULL
SCHR_LAB_SAMPLE_DEL_GRP VARCHAR2(50) NULL
CREATE_DATE DATE NOT NULL
END_DATE DATE NULL
UPDATE_DATE DATE NULL
UPDATED_BY_GUID VARCHAR2(4000) NULL
S_CHEM_HISTORY_SAMPLE
CHEM_HISTORY_SAMPLE_ID NUMBER(10) NOT NULL
EVENT_SMAS_ID NUMBER(10) NOT NULL (FK)
CHS_DATA_PROVIDER VARCHAR2(20) NULL
CHS_SYS_SAMPLE_CDE VARCHAR2(50) NOT NULL
CHS_SAMPLE_NAME VARCHAR2(50) NULL
CHS_SAMPLE_MATRIX_CDE VARCHAR2(4) NULL
CHS_SAMPLE_TYPE_CDE VARCHAR2(20) NULL
CHS_SAMPLE_SOURCE VARCHAR2(10) NULL
CHS_PARENT_SAMPLE_CDE VARCHAR2(50) NULL
CHS_SAMPLE_DEL_GRP VARCHAR2(50) NULL
CHS_CHAIN_OF_CUSTODY VARCHAR2(20) NULL
CHS_SAMPLE_RECEIPT_DATE TIMESTAMP NULL
CHS_SAMPLE_METHOD VARCHAR2(20) NULL
CHS_COMMENT VARCHAR2(4000) NULL
CREATE_DATE DATE NOT NULL
END_DATE DATE NULL
UPDATE_DATE DATE NULL
UPDATED_BY_GUID VARCHAR2(4000) NULL
S_HABITAT_FIELD_DATA_HISTORY
HABITAT_FIELD_DATA_HISTORY_ID NUMBER(10) NOT NULL
EVENT_SMAS_ID NUMBER(10) NOT NULL (FK)
HFDH_GRADIENT VARCHAR2(10) NULL
HFDH_EPIFAUNAL_COVER NUMBER(2) NULL
HFDH_EMBEDDEDNESS_POOLING NUMBER(2) NULL
HFDH_VELOCITY_DEPTH_REGIME NUMBER(2) NULL
HFDH_SEDIMENT_DEPOSITION NUMBER(2) NULL
HFDH_FLOW_STATUS NUMBER(2) NULL
HFDH_CHANNEL_ALTERATION NUMBER(2) NULL
HFDH_RIFFLE_BEND_FREQUENCY NUMBER(2) NULL
HFDH_LEFT_BANK_STABILITY NUMBER(2) NULL
HFDH_RIGHT_BANK_STABILITY NUMBER(2) NULL
HFDH_LEFT_BANK_VEG NUMBER(2) NULL
HFDH_RIGHT_BANK_VEG NUMBER(2) NULL
HFDH_LEFT_BANK_VEG_ZONE NUMBER(2) NULL
HFDH_RIGHT_BANK_VEG_ZONE NUMBER(2) NULL
HFDH_HABITAT_COMMENT VARCHAR2(500) NULL
CREATE_DATE DATE NOT NULL
END_DATE DATE NULL
UPDATE_DATE DATE NULL
UPDATED_BY_GUID VARCHAR2(4000) NULL
S_SEDIMENT_CHEM_HIST_SAMPLE
SEDIMENT_CHEM_HIST_SAMPLE_ID NUMBER(10) NOT NULL
SEDIMENT_CHEM_HIST_LOCATION_ID NUMBER(10) NOT NULL (FK)
SCHS_SYS_SAMPLE_CDE VARCHAR2(50) NOT NULL
SCHS_SAMPLE_NAME VARCHAR2(50) NULL
SCHS_SAMPLE_MATRIX_CDE VARCHAR2(4) NULL
SCHS_SAMPLE_TYPE_CDE VARCHAR2(20) NULL
SCHS_PARENT_SAMPLE_CDE VARCHAR2(50) NULL
SCHS_DEC_SAMPLE_DEL_GP VARCHAR2(20) NULL
SCHS_SAMPLE_DATE DATE NULL
SCHS_SYS_LOCATION_CDE VARCHAR2(50) NOT NULL
SCHS_START_DEPTH NUMBER(3) NULL
SCHS_END_DEPTH NUMBER(3) NULL
SCHS_DEPTH_UNIT VARCHAR2(4) NULL
SCHS_CHAIN_OF_CUSTODY VARCHAR2(20) NULL
SCHS_SAMPLE_RECEIPT_DATE TIMESTAMP NULL
SCHS_SAMPLE_METHOD VARCHAR2(20) NULL
SCHS_COMMENT VARCHAR2(4000) NULL
CREATE_DATE DATE NOT NULL
END_DATE DATE NULL
UPDATE_DATE DATE NULL
UPDATED_BY_GUID VARCHAR2(4000) NULL
S_CHEM_HISTORY_RESULT
CHEM_HISTORY_RESULT_ID NUMBER(10) NOT NULL
CHEM_HISTORY_SAMPLE_ID NUMBER(10) NOT NULL (FK)
CHEM_PARAMETER_ID NUMBER(10) NOT NULL (FK)
CHR_SYS_SAMPLE_CDE VARCHAR2(50) NOT NULL
CHR_LAB_ANAL_METHOD_NAME VARCHAR2(20) NULL
CHR_ANALYSIS_DATE DATE NULL
CHR_TEST_TYPE VARCHAR2(20) NULL
CHR_LAB_MATRIX_CDE VARCHAR2(4) NULL
CHR_DILUTION_FACTOR NUMBER NULL
CHR_PREP_METHOD VARCHAR2(20) NULL
CHR_PREP_DATE DATE NULL
CHR_LAB_NAME_CDE VARCHAR2(20) NULL
CHR_QC_LEVEL VARCHAR2(10) NULL
CHR_LAB_SAMPLE_ID VARCHAR2(20) NULL
CHR_SUBSAMPLE_AMT NUMBER NULL
CHR_SUBSAMPLE_AMT_UNIT VARCHAR2(10) NULL
CHR_FINAL_VOLUME NUMBER NULL
CHR_FINAL_VOLUME_UNIT VARCHAR2(10) NULL
CHR_RSLT_VALUE NUMBER NULL
CHR_RSLT_UNIT VARCHAR2(10) NULL
CHR_RSLT_TYPE_CDE VARCHAR2(10) NULL
CHR_REPORTABLE_RSLT_IND VARCHAR2(1) NOT NULL
CHR_DETECT_FLAG VARCHAR2(1) NULL
CHR_LAB_QUAL VARCHAR2(5) NULL
CHR_VALIDATOR_QUAL VARCHAR2(5) NULL
CHR_INTERPRETED_QUAL VARCHAR2(5) NULL
CHR_VALIDATED_IND VARCHAR2(1) NOT NULL
CHR_METHOD_DETECT_LIMIT NUMBER NULL
CHR_REPORTING_DETECT_LIMIT NUMBER NULL
CHR_QUANTITATION_LIMIT NUMBER NULL
CHR_DETECTION_LIMIT_UNIT VARCHAR2(10) NULL
CHR_VALIDATION_LEVEL VARCHAR2(50) NULL
CHR_RSLT_COMMENT VARCHAR2(50) NULL
CHR_QC_ORIG_CONCENTRATION NUMBER NULL
CHR_QC_SPIKE_ADDED NUMBER NULL
CHR_QC_SPIKE_MEASURED NUMBER NULL
CHR_QC_SPIKE_RECOVERY NUMBER NULL
CHR_QC_DUP_ORIG_CONC NUMBER NULL
CHR_QC_DUP_SPIKE_ADDED NUMBER NULL
CHR_QC_DUP_SPIKE_MEASURED NUMBER NULL
CHR_QC_DUP_SPIKE_RECOVERY NUMBER NULL
CHR_QC_RPD VARCHAR2(5) NULL
CHR_QC_SPIKE_LOW_CTRL_LIMIT NUMBER NULL
CHR_QC_SPIKE_UP_CTRL_LIMIT NUMBER NULL
CHR_QC_RPD_CTRL_LIMIT NUMBER NULL
CHR_QC_SPIKE_STATUS VARCHAR2(1) NULL
CHR_QC_DUP_SPIKE_STATUS VARCHAR2(1) NULL
CHR_QC_RPD_STATUS VARCHAR2(1) NULL
CHR_LAB_SAMPLE_DEL_GRP VARCHAR2(50) NULL
CREATE_DATE DATE NOT NULL
END_DATE DATE NULL
UPDATE_DATE DATE NULL
UPDATED_BY_GUID VARCHAR2(4000) NULL
S_MACRO_FIELD_DATA_HISTORY
MACRO_FIELD_DATA_HISTORY_ID NUMBER(10) NOT NULL
EVENT_SMAS_ID NUMBER(10) NOT NULL (FK)
BIOSAMPLE_COLLECT_METHOD_ID NUMBER(10) NULL (FK)
MFDH_MACROPHYTES NUMBER(3) NULL
MFDH_EPHEMEROPTERA_IND VARCHAR2(1) NOT NULL
MFDH_PLECOPTERA_IND VARCHAR2(1) NOT NULL
MFDH_TRICHOPTERA_IND VARCHAR2(1) NOT NULL
MFDH_COLEOPTERA_IND VARCHAR2(1) NOT NULL
MFDH_MEGALOPTERA_IND VARCHAR2(1) NOT NULL
MFDH_ODONATA_IND VARCHAR2(1) NOT NULL
MFDH_CHIRONOMIDAE_IND VARCHAR2(1) NOT NULL
MFDH_SIMULIIDAE_IND VARCHAR2(1) NOT NULL
MFDH_DECAPODS_IND VARCHAR2(1) NOT NULL
MFDH_GAMMARIDAE_IND VARCHAR2(1) NOT NULL
MFDH_MOLLUSCA_IND VARCHAR2(1) NOT NULL
MFDH_OLIGOCHAETA_IND VARCHAR2(1) NOT NULL
MFDH_TIPULIDAE_IND VARCHAR2(1) NOT NULL
MFDH_OTHERS_IND VARCHAR2(1) NOT NULL
MFDH_OTHER VARCHAR2(100) NULL
MFDH_FIELD_WATER_QLTY VARCHAR2(50) NULL
MFDH_HABITAT VARCHAR2(50) NULL
MFDH_LGS_HABITAT_BANK NUMBER(1) NULL
MFDH_LGS_HABITAT_MACROPHYTE NUMBER(1) NULL
MFDH_LGS_HABITAT_SNAG NUMBER(1) NULL
MFDH_LGS_HABITAT_SUBSTRATE NUMBER(1) NULL
MFDH_BOTTOM_TYPE VARCHAR2(10) NULL
MFDH_DOMINANT_SUBSTRATE VARCHAR2(10) NULL
MFDH_WATER_CLARITY_DRIVER VARCHAR2(10) NULL
MFDH_MACRO_COMMENT VARCHAR2(500) NULL
CREATE_DATE DATE NOT NULL
END_DATE DATE NULL
UPDATE_DATE DATE NULL
UPDATED_BY_GUID VARCHAR2(4000) NULL
S_MACRO_METRICS_DATA_HISTORY
MACRO_METRICS_DATA_HISTORY_ID NUMBER(10) NOT NULL
MACRO_SPECIES_SAMP_INF_HIST_ID NUMBER(10) NULL (FK)
MMDH_BIO_ASMT_PROFILE_SCORE NUMBER NULL
MMDH_RICHNESS NUMBER NULL
MMDH_RICHNESS_SCORE NUMBER NULL
MMDH_HBI_INDEX NUMBER NULL
MMDH_HBI_SCORE NUMBER NULL
MMDH_SHANNON NUMBER NULL
MMDH_SHANNON_SCORE NUMBER NULL
MMDH_PCT_MODEL_AFFINITY NUMBER NULL
MMDH_PCT_MODEL_AFFINITY_SCORE NUMBER NULL
MMDH_EPT_RICH NUMBER NULL
MMDH_EPT_SCORE NUMBER NULL
MMDH_NUTRIENT_BIOTIC_INDEX_P NUMBER NULL
MMDH_NBI_P_SCORE NUMBER NULL
MMDH_NCO_RICH NUMBER NULL
MMDH_NCO_RICH_SCORE NUMBER NULL
MMDH_PCT_DOMINANCE_3 NUMBER NULL
MMDH_PCT_DOMINANCE_3_SCORE NUMBER NULL
CREATE_DATE DATE NOT NULL
END_DATE DATE NULL
UPDATE_DATE DATE NULL
UPDATED_BY_GUID VARCHAR2(4000) NULL
S_MSTR_MACRO_SPECIES
MSTR_MACRO_SPECIES_ID NUMBER(10) NOT NULL
MMS_PHYLUM VARCHAR2(20) NULL
MMS_CLASS VARCHAR2(20) NULL
MMS_ORDER VARCHAR2(20) NULL
MMS_FAMILY VARCHAR2(20) NULL
MMS_SUBFAMILY VARCHAR2(20) NULL
MMS_FEEDING_HABITS VARCHAR2(3) NULL
MMS_REFERENCE VARCHAR2(20) NULL
MMS_CLASSIFIER VARCHAR2(20) NULL
MMS_PREV_NAME VARCHAR2(200) NULL
MMS_TOLERANCE_NAME VARCHAR2(20) NULL
MMS_NBI_PHOSPHORUS_TOL NUMBER(2) NULL
MMS_NBI_NITRATE_TOL NUMBER(2) NULL
MMS_GENSPECIES VARCHAR2(50) NULL
MMS_TOLERANCE NUMBER(2) NULL
MMS_COMMON_NAME VARCHAR2(20) NULL
MMS_WATER_QLTY_EXCHANGE_NAME VARCHAR2(40) NULL
MMS_WQX_UNIDENTFD_SPECIES_NAME VARCHAR2(100) NULL
MMS_INTEGR_TAXONOMIC_INFO_SYS NUMBER(10) NULL
CREATE_DATE DATE NOT NULL
END_DATE DATE NULL
UPDATE_DATE DATE NULL
UPDATED_BY_GUID VARCHAR2(4000) NULL
S_MACRO_SPECIES_SAMP_INF_HIST
MACRO_SPECIES_SAMP_INF_HIST_ID NUMBER(10) NOT NULL
EVENT_SMAS_ID NUMBER(10) NOT NULL (FK)
BIOSAMPLE_COLLECT_METHOD_ID NUMBER(10) NOT NULL (FK)
MSSIH_REPLICATE NUMBER(1) NULL
MSSIH_TAXONOMIST VARCHAR2(20) NULL
MSSIH_TOTAL_INDIV_CNT_IND VARCHAR2(1) NOT NULL
MSSIH_TOTAL_INDIV_CNT_NOTE VARCHAR2(100) NULL
CREATE_DATE DATE NOT NULL
END_DATE DATE NULL
UPDATE_DATE DATE NULL
UPDATED_BY_GUID VARCHAR2(4000) NULL
S_MACRO_SPECIES_DATA_HISTORY
MACRO_SPECIES_DATA_HISTORY_ID NUMBER(10) NOT NULL
MACRO_SPECIES_SAMP_INF_HIST_ID NUMBER(10) NULL (FK)
MSTR_MACRO_SPECIES_ID NUMBER(10) NULL (FK)
MSDH_INDIVIDUAL_SPECIES_CNT NUMBER(5) NULL
CREATE_DATE DATE NOT NULL
END_DATE DATE NULL
UPDATE_DATE DATE NULL
UPDATED_BY_GUID VARCHAR2(4000) NULL
S_PEBBLE_COUNT_DATA_HISTORY
PEBBLE_COUNT_DATA_HISTORY_ID NUMBER(10) NOT NULL
EVENT_SMAS_ID NUMBER(10) NOT NULL (FK)
PCDH_TOTAL_CNT NUMBER(3) NULL
PCDH_SILT NUMBER(3) NULL
PCDH_SAND NUMBER(3) NULL
PCDH_GRAVEL NUMBER(3) NULL
PCDH_COURSE_GRAVEL NUMBER(3) NULL
PCDH_RUBBLE NUMBER(3) NULL
PCDH_ROCK NUMBER(3) NULL
PCDH_BEDROCK NUMBER(3) NULL
PCDH_MOSS_INDEX_SCR NUMBER(3) NULL
PCDH_MACROALGAE_INDEX_SCR NUMBER(3) NULL
PCDH_MICROALGAE_INDEX_SCR NUMBER(3) NULL
PCDH_SILT_INDEX_SCR NUMBER(3) NULL
PCDH_PEBBLE_NOTES VARCHAR2(500) NULL
CREATE_DATE DATE NOT NULL
END_DATE DATE NULL
UPDATE_DATE DATE NULL
UPDATED_BY_GUID VARCHAR2(4000) NULL
S_DIATOM_SPECIES_DATA_HISTORY
DIATOM_SPECIES_DATA_HISTORY_ID NUMBER(10) NOT NULL
DIATOM_SPEC_SAMP_INFO_HIST_ID NUMBER(10) NULL (FK)
MSTR_DIATOM_SPECIES_ID NUMBER(10) NULL (FK)
DSDH_INDV_SPECIES NUMBER(5) NULL
CREATE_DATE DATE NOT NULL
END_DATE DATE NULL
UPDATE_DATE DATE NULL
UPDATED_BY_GUID VARCHAR2(4000) NULL
S_DIATOM_SPEC_SAMP_INFO_HIST
DIATOM_SPEC_SAMP_INFO_HIST_ID NUMBER(10) NOT NULL
EVENT_SMAS_ID NUMBER(10) NOT NULL (FK)
BIOSAMPLE_COLLECT_METHOD_ID NUMBER(10) NOT NULL (FK)
DSSIH_REPLICATE NUMBER(1) NULL
DSSIH_TAXONOMIST VARCHAR2(20) NULL
DSSIH_TOTAL_INDIV_CNT_IND VARCHAR2(1) NOT NULL
DSSIH_TOTAL_INDIV_CNT_NOTE VARCHAR2(100) NULL
CREATE_DATE DATE NOT NULL
END_DATE DATE NULL
UPDATE_DATE DATE NULL
UPDATED_BY_GUID VARCHAR2(4000) NULL
S_DIATOM_METRICS_DATA_HISTORY
DIATOM_METRICS_DATA_HISTORY_ID NUMBER(10) NOT NULL
DIATOM_SPEC_SAMP_INFO_HIST_ID NUMBER(10) NULL (FK)
DDMH_LAB_SAMPLE_ID VARCHAR2(20) NULL
DDMH_POLLUTION_TOL_INDEX NUMBER NULL
DDMH_TROPHIC_INDEX NUMBER NULL
DDMH_SALINITY_INDEX NUMBER NULL
DDMH_ACIDITY_INDEX NUMBER NULL
DDMH_SILTATION_INDEX NUMBER NULL
DDMH_DIATOM_MODEL_AFFINITY NUMBER NULL
DDMH_POLLUTION_TOL_INDEX_DAP NUMBER NULL
DDMH_TROPHIC_INDEX_DAP NUMBER NULL
DDMH_DIATOM_MODEL_AFFINITY_DAP NUMBER NULL
DDMH_DAP_SCORE NUMBER NULL
CREATE_DATE DATE NOT NULL
END_DATE DATE NULL
UPDATE_DATE DATE NULL
UPDATED_BY_GUID VARCHAR2(4000) NULL
S_MSTR_FISH_SPECIES
MSTR_FISH_SPECIES_ID NUMBER(10) NOT NULL
MFS_COMMON_NAME VARCHAR2(50) NULL
MFS_COMMON_FAMILY_NAME VARCHAR2(40) NULL
MFS_FAMILY VARCHAR2(20) NULL
MFS_GENSPECIES VARCHAR2(50) NULL
MFS_ACR