

WHFS Database Tables – OB9.2 - hd_ob92xxx

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| AdjustFactor | stores factors for adjusting raw SHEF value |
| Admin | Admin and Observer payment information |
| Agricultural | Stores observed agricultural values |
| AlertAlarmVal | Stores values exceeding alert/alarm criteria |
| ArealFcst | Stores areal fcst data for SSHP |
| ArealObs | Stores areal obs data for SSHP |
| Benchmark | River Station Reference Benchmarks |
| City | The name of a city or town (30-char length) |
| ColorName | list of color names (subset of rgb.txt) |
| ColorOverlay | user color preferences for map overlays (Post Analysis only) |
| ColorValue | user color preferences for threshold values |
| CommentValue | Stores obs value level SHEF comments |
| Contacts | Location Phone Contacts |
| ContingencyValue | Stores decoded SHEF data from ts=C* messages |
| CoopComms | A look-up table of all Coop obs comm types |
| CoopRecip | A look-up table of first coop obs recipients |
| CoopSpons | A look-up table of all Coop obs sponsors |
| Counties | County names |
| CountyTransmit | NWR transmitter-county link |
| Countynum | The 3-character FIPS county code plus 1 char to indicate sub-area |
| Crest | River Station High Water Events |
| CurPC | Stores PC precip observations for just last XX hours |
| CurPP | Stores PP precip observations for just last XX hours |
| DailyPP | Stores observed 24hr precip values |
| DamTypes | Look up table for all dam types |
| DataLimits | data range limits for all stations |
| Datum | River Station Reference Elevations |
| Dcp | F - a station is not a DCP station T - a station is a DCP |
| DcpOwner | A look-up table of all DCP owners |
| DefiningIssueCriteria | A look-up table for Forecast Services issuance criteria |
| Descrip | River Station Textual Description |
| DHRAdapt | holds DHR adaptation parameters |
| DHRRadar | Holds Stage I radar data |
| Discharge | discharge value |
| DPAAdapt | holds DPA adaptation parameters |
| DPARadar | Holds Stage I radar data |
| DSPAdapt | holds DSP adaptation parameters |
| DSPRadar | Holds Stage I radar data |
| Eligzon | A look-up table of all forecast zones |
| Evaporation | Stores segregated evaporation observations |
| FcstDischarge | Stores most recent fcst water discharges |
| FcstGenMethod | A look-up table Forecast Services forecast generation methods |
| FcstHeight | Stores most recent fcst water heights |
| FcstHorizon | A look-up table Forecast Services forecast horizons |

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| FcstOther | Stores all forecast type data for which there is no named table |
| FcstPrecip | Stores forecast precip |
| FcstPtDetermin | Stores forecast services deterministic points |
| FcstPtESP | Stores forecast services ESP points |
| FcstPtService | Table stores the attributes of the site's forecast points |
| FcstPtWatSup | Stores forecast services water supply points |
| FcstTemperature | Stores forecast temperatures |
| FcstType | Forecast time horizon type |
| FishCount | Stores segregated fish count observations |
| Flood | Damage Statements by Flood Stage |
| FloodCat | River Station Flood Stage Categories |
| FloodStmnt | River Station Flood Impact Statements |
| FloodTs | Flood stage observed heights stored for a station |
| FlowType | Flow type column is used in the FcstPtESP table |
| FpPrevProd | Latest RiverPro formatter state data for a station |
| FpPrevProdPractice | Practice table for FpPrevProd |
| FrequencyUpdate | A look-up table for Forecast Services frequency update values |
| Gage | River Station Gage History |
| GageMaint | A look-up table of all maintainers of precip gages |
| GageOwner | A look-up table of all precip gage owners |
| GageType | A look-up table of all valid precip gage types |
| GateDam | Stores observed gate opening and dam info |
| GeoArea | Holds boundary geographic features |
| Ground | Stores observed ground frost & state values |
| Height | Stores observed water heights |
| HgStation | Used by HydroGen application |
| HourlyPC | Stores slotted PC data (hour2 - hour1) |
| HourlyPP | Stores slotted hourly PP and 6hr PP data |
| Hsa | A 3-letter code for hydrologic service area |
| HydrologicMethod | A look-up table for Forecast Services hydrologic computation methods |
| Ice | winter freezing problems |
| IngestFilter | Filter for ingesting data into database |
| Lake | Stores observed lake data values |
| LatestObsValue | Stores latest date-time & value of decoded SHEF observation data |
| Lightning | Stores lightning strike observations |
| LineSegs | Grid cells covered by an area |
| LocArea | description of affected areas associated with a river forecast point |
| Location | Geographic Reference Locations |
| LocDataLimits | data range limits overrides by station |
| LocExtAgency | connects stn locations w/ agency office |
| LocImage | associates a picture in gif/jpeg format with a location (gage) |
| Lowwater | River Station Low Water Events |
| LWstmnt | Low Water Statement |
| Moisture | Stores segregated moisture observations |

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| MonthlyValues | Used by Site Specific application (adjustment factors OR actual values in mm) |
| Network | Appendix A of NWSI 10-1307 – B = primary hydro data network |
| NWRTransmitter | Info about NWR transmitters |
| Observer | T/F - flag for manual observer station |
| OfficeNotes | read by and written to by the RiverMon application |
| OFSDataTrans | Translates SHEF data types to OFS |
| OFSStnTrans | OFS stn id translation table |
| PairedValue | Stores paired values, vectors |
| PerfLog | Performance log table for processes |
| PointDataPresets | Table storing options for point data queries for PDC in Hydroview |
| PostProcessor | A look-up table for Forecast Services post processor values |
| Power | Stores observed generation and generator data |
| Pressure | Stores Pressure observations |
| ProcValue | Stores decoded SHEF data from ts=P* messages |
| ProductLink | Cross table linking locations to products |
| Proximity | The proximity of a river gage to a river station location |
| PseudoGageVal | Pseudo Rain Gages for MPE |
| Pub | River Station/Publication Xref |
| PurgeDynData | Purge criteria for dynamic data tables |
| PurgeProduct | Purge criteria for TextProduct table |
| RadarLoc | A look-up table of all radars in area of interest |
| RadarResp | List of radars and their responsible sites |
| Radiation | Stores observed radiation values |
| Rating | River Station Rating Curve |
| RatingingShift | River Station Rating Curve Shift Info |
| RawPC | Stores PC precip observations |
| RawPother | Stores all precip observations other than PP and PC |
| RawPP | Stores PP precip observations |
| Refer | River Station/Reference Xref |
| RejectedData | Stores all Q/C rejected data |
| RequiredPeriod | A look-up table for Forecast Services required period values |
| ResCap | Reservoir Elevation/Storage Xref |
| Reservoir | Reservoir Reference Information |
| ReservoirModel | A look-up table Forecast Services reservoir models |
| ResOwner | A look-up table of reservoir owners |
| Rfc | Alphabetic identifier for River Forecast Centers |
| RiverMonGroup | River Monitor app group |
| RiverMonLocation | River Monitor app location |
| RiverStat | River Station Reference Information |
| RiverStatus | Contains the latest observed / forecast height / discharge data |
| RoutingMethod | A look-up table for Forecast Services hydraulic computation methods |
| RpfFcstGroup | A look-up table of all defined RiverPro Forecast Groups |
| RpfFcstPoint | subset of river stations that are also RiverPro forecast points |
| RpfParams | control parameters for the RiverPro formatter |

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| RWBiasDyn | holds the dynamic parameters for mean field bias |
| RWBiasStat | holds the static parameters used for the mean field bias |
| RWParams | holds the adaptable parameters for the multisensor analysis |
| RWPrefs | holds the start-up display preferences for each user of MPE |
| RWRadarResult | radar, gage and bias information |
| RWResult | information concerning the entire area wide field of analysis |
| S3PostAnalParams | application parameters required by the Post Analysis process |
| S3PostAnalPrefs | holds the start-up preferences for each user of the Post Analysis |
| SacSmaParams | Sets of parameters for SAC-SMA model used by Site Specific app |
| SacSmaState | sets of state (carryover) variables for SAC-SMA used by SSHP |
| ServiceType | A look-up table for Forecast Services service types |
| ShefDur | look-up table that defines all of the SHEF duration code values |
| ShefEx | look-up table that defines all of the SHEF extremum code values |
| ShefPE | look-up table of all defined 2-letter SHEF codes for physical elements |
| ShefPETrans | Stores translations for SHEF physical elements |
| ShefProb | look-up table that defines all of the SHEF probability code values |
| ShefQc | Look-up table of SHEF QC Codes |
| ShefTs | look-up table that defines all of the SHEF type/source code values |
| Snow | Stores snow observations |
| SnowMethod | look-up table for Forecast Services snow computation methods |
| SSHPConfig | Used by Site Specific application |
| State | 2-letter U.S. postal code abbreviation |
| StnClass | stores classification information about point station locations |
| Telem | stores reference information about the specific type of telemetry |
| TelmOwner | look-up table of all defined owners of telemetry stations |
| TelmPayor | look-up table of all defined paying agencies of telemetry stations |
| TelmType | look-up table of all defined types of telemetry observation stations |
| Temperature | stores SHEF decoded observations of variables with PE codes Tx |
| TextProduct | holds formatted text products |
| TimeZone | lists the time zone codes and the time zone names |
| UnitGraph | unit hydrograph information for river stations (required for SSHP) |
| UnkStn | SHEF ids from unknown locations |
| UnkStnValue | SHEF data from unknown locations |
| UserPrefs | contains preferences that control the user interface for Hydrobase |
| Velocity | Stores u and v velocity data for HPN application |
| VerifRespType | A look-up table for verification response types |
| VTECaction | lookup table for VTEC action codes |
| VTECcause | contains the valid entries for the VTEC immediate cause field |
| VTECevent | contains information for each VTEC event |
| VTECphenom | serves as a lookup table for the VTEC phenomena codes |
| VTECpractice | Practice table for VTEC event handling |
| VTECrecord | This table contains (data) used by RiverPro |
| VTECsever | contains the valid VTEC severity codes |

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| VTECsignif | serves as the lookup table for the VTEC significance levels in the VTECevent table. It is also used by RiverPro when presenting a pick list of choices for the field |
| WaterQuality | Stores water quality observations |
| WatSupCoordAgency | look-up table for Forecast Services water supply agencies |
| WatSupCriterion | look-up table for Forecast Services water supply criteria |
| WatSupMethod | look-up table for Forecast Services water supply computation methods |
| WatSupRespAgency | look-up table for water supply responsible agencies |
| Weather | Stores weather observations |
| Wfo | The 3-character identifier for a NWS WFO |
| Wind | Stores wind observations |
| YUnique | Stores unique stn-specific values |
| ZoneNum | zone number |

Total = 186 rows (tables)

Source: <http://dipper.nws.noaa.gov/ihfs/database/vOB9.0/db.htm>

WHFS Database Views – OB9.2 - hd_ob92xxx

View - Tables

AgencyOfficeUnique - LocExtAgency
CountyInfo - CountyNum, Counties
FpInfo - Location, Floodcat, Descrip, Riverstat, RpfFcstPoint
HvStation - Location, Riverstat, StnClass
HwStages - Riverstat, Crest
LocClass - Location, StnClass
LocPDC - Location, Riverstat, StnClass
LocRiverMon - Location, Floodcat, Descrip, Riverstat
LocTransmit - CountyNum, CountyTransmit
LocView - Location, Riverstat
LocWfo - Location, Counties
PrevProd - TextProduct
ServiceTableView- Location, RiverStat, FcstPtService
StatProf - Location, Riverstat, Descrip
StationList - Location, Observer
ZoneInfo - ZoneNum, EligZon

WHFS Database Functions – OB9.2 - hd_ob92xxx

delete_location
delete_radar
delete_resvr
delete_riverstat
fcst_pe
latestobs
load_obs_river.
obs_pe
obs_precip_ins
obs_precip_upd
obs_rawpc_ins
obs_rawpc_upd
obs_rawpp_ins
obs_rawpp_upd
obs_river_ins.
obs_river_upd

DATABASE TRIGGERS

obs_rawpc_ins
obs_rawpc_upd
obs_rawpp_ins
obs_rawpp_upd