**UPPER RIO GRANDE WATER OPERATIONS MODEL**

**URGWOM DMI and SCT Documentation**

**VOLUME 5**

Version 9.3

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*Submitted to:*



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# Abbreviations and Acronyms Used

CADSWES Center for Advanced Decision Support for Water and Environmental Systems

DMI Data Management Interface

SCT System Control Table

URGWOM Upper Rio Grande Water Operations Model

# Introduction

URGWOM (The Upper Rio Grande Water Operations Model) was developed with the RiverWare software application developed at the Center for Advanced Decision Support for Water and Environmental Systems (CADSWES) at the University of Colorado at Boulder. The model is a daily or monthly timestep model for simulating operations of facilities and diversions along the Rio Grande and major tributaries within Colorado, New Mexico, Texas, and Mexico. For more information on the model the reader is referred to Volume 1 of the URGWOM documentation which describes the physical model.

This document serves as a reference for users working on Data Management Interfaces (DMIs) and System Control Tables (SCTs) in URGWOM. Other URGWOM Documentation volumes cover such topics as Accounting Concepts and Methods, Physical Processes, Initialization ruleset, and other features developed to setup and run the model. The URGWOM Documentation volumes are listed below:

**Volume 1: Physical Documentation**

**Volume 2a: Policy Rules Documentation**

**Volume 2b: Initialization Rules Documentation**

**Volume 2c: Expression Slot Functions Documentation**

**Volume 3: Accounting Concepts and Methods**

**Volume 4: Database Documentation**

**Volume 5: DMI and SCT Documentation**

**Volume 6: User's Manual (Script Documentation)**

As stated in the RiverWare help file titled Data Management Interface, “the RiverWare Data Management Interface (DMI) provides a mechanism to transfer data into and out of RiverWare in a highly configurable and automated manner.” For more general information on DMIs, the reader is directed to the RiverWare help file. There are three types of.DMIs, of which URGWOM utilizes only the Database DMI type, where data can be imported and exported to DSS files, Excel spreadsheets, HDB databases and Web Services, which are all used in URGWOM. While data can be moved in and out of URGWOM manually, or with copy and paste commands, or with copy and paste to and from SCTs (see below), for large scale data transfer, DMIs are the URGWOM workhorse.

As stated in the RiverWare help file titled System Control Table (SCT), “the RiverWare System Control Table (SCT) is a customizable, editable view of slots and data in a RiverWare model. For more general information on SCTs, the reader is directed to the RiverWare help file. SCTs are a tool that can be created quickly by a model user for a variety of purposes. As such, this document is not intended to be a comprehensive list of URGWOM SCTs, but rather a list of URGWOM SCTs commonly used by lead agencies.

# DMIs

Table 1 and Table 2 show the input and output DMIs in URGWOM 9.3 respectively.

Table : URGWOM 9.3 Input DMIs

|  |  |
| --- | --- |
|  | **URGWOM Input DMIs** |
| 1 | AdditionalSeriesInputsForSimulationForHistoricalOperations\_COPortion |
| 2 | ImportHistoricalAndProjectedData\_fromURGWOMDSS |
| 3 | ImportHistoricalCropETRateAndIrrigatedAreaData\_fromURGWOMDSS |
| 4 | InitialConditions\_fromDSS\_COPortion |
| 5 | InitialConditionsForAccountApplication\_fromExcelFile |
| 6 | InitialConditionsForRulebasedSimulation\_fromExcelFile |
| 7 | InitialConditionsForSimulationOfHistoricalOps\_fromDSS |
| 8 | InitialConditionsForSimulationOfHistoricalOps\_fromDSS\_COPortion |
| 9 | InitialConditionsForSimulationOfHistoricalOps\_fromDSS\_ForUnregulatedFlows |
| 10 | Input LRG Historical Data from DSS |
| 11 | InputAdditionalSeriesForSimulationOfHistoricalOps\_FromDSS |
| 12 | InputAnnualSeriesForRulebasedSimulation\_fromDSS |
| 13 | InputBOYAccountingFromUCHDB2 |
| 14 | InputDailyAccountingFromUCHDB2 |
| 15 | InputNWSForecast\_fromDSS |
| 16 | InputSeriesForAOPRulebasedSimulation\_fromDSS |
| 17 | InputSeriesForHistoricalSimulation\_fromDSS |
| 18 | InputSeriesForHistoricalSimulation\_fromDSS\_COPortion\_ForUnregulatedFlows |
| 19 | InputSeriesForHistoricalSimulation\_fromDSS\_ForUnregulatedFlows |
| 20 | InputSeriesForRulebasedlSimulation\_fromDSS |
| 21 | InputYearSequencesForPlanningRun\_fromExcelFile |
| 22 | NWS\_ESP\_Forecast\_fromHDBWebservice |
| 23 | NWS\_ESP\_Forecast\_fromUCHDB2 |
| 24 | SeriesInputsForRulebasedSimulation\_COPortion |
| 25 | TEST NOT WORKING InputSeriesForRulebasedSimulation\_fromDSS\_toExecuteWhenRunning FromAccountingApplicationModel |
| 26 | WWCRA\_Excel |

Table : URGWOM 9.3 Output DMIs

|  |  |
| --- | --- |
|  | **Output DMIs** |
| 1 | AllData\_DSSDatabaseDMI\_COPortion |
| 2 | AOPRunOutputForTemplateSpreadsheet\_Excel |
| 3 | Holdpools |
| 4 | FlowDataOutputToDSS |
| 5 | InitialConditionsForAccountApplication\_toExcelFile |
| 6 | MRM\_Output |
| 7 | MRM\_Output\_COPortion |
| 8 | OutputAccountingToUCHDB2 |
| 9 | RealTimeRunOutputForTemplateSpreadsheet\_Excel |
| 10 | SantaFeExport |

Additional information for each DMI is included below. This list is organized in alphabetical order including both input and output DMIs.

**AdditionalSeriesInputsForSimulationForHistoricalOperations\_COPortion**

**Type** Input

**Database** DSS

**Purpose** Planning

**Status** Uncertain

**Description** Input slots for Platoro Reservoir and all 177 CO Water Users. Note that this DMI is not used in any Scripts.

**AllData\_DSSDatabaseDMI\_COPortion**

**Type** Output

**Database** DSS

**Purpose** Planning

**Status** Obsolete

**Description** No output slots. Recommend deletion from official model

**AOPRunOutputForTemplateSpreadsheet\_Excel**

**Type** Output

**Database** Excel

**Purpose** Planning

**Status** Current

**Description** Output slots for reservoir accounts, diversions requested, relinquished credits, outflows, seepage reaches, waivers, target flows and ag diversions

**FlowDataOutputToDSS**

**Type** Output

**Database** DSS

**Purpose** Generating historical unregulated flows

**Status** Current

**Description** A Historic Simulation is run to compute Natural (Unregulated) Flows, passing inflows at reservoirs, and zeroing out diversions. The resulting gage flows are exported to DSS.

**Holdpools**

**Type** Output

**Database** DSS

**Purpose** Accounting

**Status** Current

**Description** Used each time Reclamation updates the Accounting model. Output slots for Rio Grande and Rio Grande Conservations storage, San Juan-Chama content, sediment, carryover content in Abiquiu, Cochiti and Jemez reservoirs.

**ImportHistoricalAndProjectedData\_fromURGWOMDSS**

**Type** Input

**Database** DSS

**Purpose** AOP orPlanning

**Status** Current

**Description** Input slots for historical and synthetic reservoir physical parameters, inflows, riparian ET rates, MRG Ag and Riparian Data, and groundwater data.

**ImportHistoricalCropETRateAndIrrigatedAreaData\_fromURGWOMDSS**

**Type** Input

**Database** DSS

**Purpose** Planning

**Status** Uncertain

**Description** Input slots for 33 historical crop ET rates and MRG historical Ag area. Note that this DMI is not used in any Scripts.

**InitialConditions\_fromDSS\_COPortion**

**Type** Input

**Database** DSS

**Purpose** Planning

**Status** Uncertain

**Description** Input slots for Platoro storage and lag inflows. Note that this DMI is not used in any Scripts.

**InitialConditionsForAccountApplication\_fromExcelFile**

**Type** Input

**Database** Excel

**Purpose** Accounting

**Status** Uncertain

**Description** Used in conjunction with DMI “InitialConditionsForAccountApplication \_toExcelFile”. Available for Reclamation to use if desired at BOY for new Account model. Input slots for supplies, storages, accruals, reservoir parameters, aquifer parameters, inflows, diversions and waiver balances. Note that this DMI is not used in any Scripts.

**InitialConditionsForAccountApplication\_toExcelFile**

**Type** Output

**Database** Excel

**Purpose** Accounting

**Status** Uncertain

**Description** Used in conjunction with DMI “InitialConditionsForAccountApplication \_fromExcelFile”. Available for Reclamation to use if desired at BOY for new Account model. Output slots for supplies, storages, accruals, reservoir parameters, aquifer parameters, inflows, diversions and waiver balances Note that this DMI is not used in any Scripts.

**InitialConditionsForRulebasedSimulation\_fromExcelFile**

**Type** Input

**Database** Excel

**Purpose** AOP or Planning

**Status** Current

**Description** Input slots for storages, accruals, reservoir parameters, aquifer parameters, irrigated areas, diversions and waiver balances

**InitialConditionsForSimulationOfHistoricalOps\_fromDSS**

**Type** Input

**Database** DSS

**Purpose** Historical

**Status** Current

**Description** Initialization values for the historical calibration run, including initial reservoirs storages, sedimentation, lag reach inflows, etc.

**InitialConditionsForSimulationOfHistoricalOps\_fromDSS\_COPortion**

**Type** Input

**Database** DSS

**Purpose** Historical **(**Unregulated flow computations)

**Status** Obsolete

**Description** Used in “Prepare for Historical Simulation Run For Computing Natural (Unregulated) Flows with Initial Conditions and Time Series Imported from DSS” Script. No input slots. Recommend deletion from official model

**InitialConditionsForSimulationOfHistoricalOps\_fromDSS\_ForUnregulatedFlows**

**Type** Input

**Database** DSS

**Purpose** Historical **(**Unregulated flow computations)

**Status** Current

**Description** Used in “Prepare for Historical Simulation Run For Computing Natural (Unregulated) Flows with Initial Conditions and Time Series Imported from DSS” Script. Initialization values for the historical unregulated flow computation run, including initial reservoirs storages, sedimentation, lag reach inflows, etc. Note that this is identical to “InitialConditionsForSimulationOfHistoricalOps\_fromDSS” DMI, but with a few datasets disabled.

**Input LRG Historical Data from DSS**

**Type** Input

**Database** DSS

**Purpose** Planning or AOP

**Status** Current

**Description** Input slots for crop ET, riparian evap and ET, canal seepage, municipal data, diversion data, groundwater head and min efficiency

**InputAdditionalSeriesForSimulationOfHistoricalOps\_FromDSS**

**Type** Input

**Database** DSS

**Purpose** Planning

**Status** Uncertain

**Description** Input slots for diversions requested, inflows, reservoir parameters, fractional return flows and depletions requested. Note that this DMI is not used in any Scripts.

**InputAnnualSeriesForRulebasedSimulation\_fromDSS**

**Type** Input

**Database** DSS

**Purpose** AOP or Planning

**Status** Current

**Description** Single input slot for SanJuanChamaDiversions.AnnualDiversion. Recommend adding this slot to another DMI and deleting from official model

**InputBOYAccountingFromUCHDB2**

**Type** Input

**Database** HDB

**Purpose** Accounting

**Status** Current

**Description** Used by Reclamation at beginning of year (BOY). Input slots for accrual, storage and reservoir parameters

**InputDailyAccountingFromUCHDB2**

**Type** Input

**Database** HDB

**Purpose** Accounting

**Status** Current

**Description** Inputs slots for reservoir parameters and diversions requested

**InputNWSForecast\_fromDSS**

**Type** Input

**Database** DSS

**Purpose** Real-Time

**Status** Current

**Description** Input slots for real time forecast data for inflows, Platoro reservoir, Rio Blanco, Navajo River, Little Navajo River, Closed Basin, North Channel Norton Drain and North Clear Creek.

**InputSeriesForAOPRulebasedSimulation\_fromDSS**

**Type** Input

**Database** DSS

**Purpose** AOP

**Status** Obsolete

**Description** Recommend deletion from official model

**InputSeriesForHistoricalSimulation\_fromDSS**

**Type** Input

**Database** DSS

**Purpose** Historical

**Status** Current

**Description** Used in Scripts for Calibration of MRG or LRG, as well as Unregulated Flow scripts. Input slots for gage flows, diversions requested, inflows, reservoir parameters, fractional return flows, depletions requested, wastewater and wasteway returns, crop ET rates, irrigated and riparian acreages, irrigation efficiencies, and groundwater data.

**InputSeriesForHistoricalSimulation\_fromDSS\_COPortion\_ForUnregulatedFlows**

**Type** Input

**Database** DSS

**Purpose** Historical **(**Unregulated flow computations)

**Status** Current

**Description** Used in “Prepare for Historical Simulation Run For Computing Natural (Unregulated) Flows with Initial Conditions and Time Series Imported from DSS” Script. Inputs slots for gage flows and local inflows in Colorado.

**InputSeriesForHistoricalSimulation\_fromDSS\_ForUnregulatedFlows**

**Type** Input

**Database** DSS

**Purpose** Historical **(**Unregulated flow computations)

**Status** Current

**sDescription** Used in “Prepare for Historical Simulation Run For Computing Natural (Unregulated) Flows with Initial Conditions and Time Series Imported from DSS” Script. Input slots for gage flows, diversions requested, inflows, reservoir parameters, fractional return flows, depletions requested, wastewater and wasteway returns, crop ET rates, irrigated and riparian acreages, irrigation efficiencies, and groundwater data. Note that this is identical to the “InputSeriesForHistoricalSimulation\_fromDSS” DMI, but with a dataset and a few slots disabled.

**InputSeriesForRulebasedSimulation\_fromDSS**

**Type** Input

**Database** DSS

**Purpose** Planning

**Status** Current

**Description** Input slots for historical and projected inflows, ET rates, evap rates, reservoir parameters, aquifer heads and MRG Ag and Riparian data

**InputYearSequencesForPlanningRun\_fromExcelFile**

**Type** Input

**Database** Excel

**Purpose** Planning

**Status** Uncertain

**Description** Used for future testing of RiverSmart. Note that this DMI is not used in any Scripts.

**MRM\_Output**

**Type** Output

**Database** Excel

**Purpose** AOP

**Status** Uncertain

**Description** Used for AOP runs when looking at multiple exceedance forecasts. Output slots for account data, seepage reaches, diversions and gage outflows. 197 total slots. Note that this DMI is not used in any Scripts.

**MRM\_Output\_COPortion**

**Type** Output

**Database** Excel

**Purpose** AOP

**Status** Uncertain

**Description** Output slots for Platoro reservoir and accounts and Colorado gaged inflows. Note that this DMI is not used in any Scripts.

**NWS\_ESP\_Forecast\_fromHDBWebservice**

**Type** Input

**Database** HDB Webservice

**Purpose** AOP

**Status** Current

**Description** 1-yearInflow and local inflow forecasts are imported from Reclamation’s HDB public webservice to be used in an AOP run

**NWS\_ESP\_Forecast\_fromUCHDB2**

**Type** Input

**Database** HDB

**Purpose** AOP

**Status** Current

**Description** 1-yearInflow and local inflow forecasts are imported from HDB to be used in an AOP run

**OutputAccountingToUCHDB2**

**Type** Output

**Database** HDB

**Purpose** Accounting

**Status** Current

**Description** Used by Reclamation to access HDB database. Output slots for accounts, reservoir physical parameters, diversions requested and inflows

**RealTimeRunOutputForTemplateSpreadsheet\_Excel**

**Type** Output

**Database** Excel

**Purpose** Real Time

**Status** Uncertain

**Description** Used periodically when running real-time models. Output slots for reservoir accounts, diversions requested, relinquished credits, outflows, seepage reaches, waivers, target flows and ag diversions. Note that this DMI is not used in any Scripts.

**SantaFeExport**

**Type** Output

**Database** Excel

**Purpose** Uncertain

**Status** Uncertain

**Description** Exports San Juan Chama project accounting data to a spreadsheet called “CoSF SJCP Dashboard\_27Mar2020.xlsm”.

**SeriesInputsForRulebasedSimulation\_COPortion**

**Type** Input

**Database** DSS

**Purpose** Planning

**Status** Uncertain

**Description** Input slots for Platoro inflow and storage, gaged flows, local inflows and fractional return flows. Note that this DMI is not used in any Scripts.

**TEST NOT WORKING InputSeriesForRulebasedSimulation\_fromDSS\_toExecuteWhenRunning FromAccountingApplicationModel**

**Type** Input

**Database** n/a

**Purpose** Planning

**Status** Test/Not Used

**Description** No input slots. Recommend deletion from official model

**WWCRA\_Excel**

**Type** Input

**Database** Excel

**Purpose** Planning

**Status** Uncertain

**Description** Input slots for reservoir physical parameters, some New Mexico local inflows, San Juan-Chama inflows, and 8 unnamed datasets. Recommend deletion of unnamed datasets from official model. Note that this DMI is not used in any Scripts.

# SCTs

Table 3 lists the URGWOM SCTs included in this documentation. Unlike DMIs, SCTs are not saved with a RiverWare model file, but rather are saved as external files and so are not specifically associated with a particular URGWOM model version. Additional information associated with each SCT listed in Table 3 is included after the table.

Table : URGWOM SCTs

|  |  |
| --- | --- |
|  | **Select URGWOM SCTs** |
| 1 | ABSJCreleaseSCT2.0 |
| 2 | ABSJCContractorsSCT2.0 |
| 3 | Accounting |
| 4 | AccountPhysicalInput |
| 5 | AllSeriesInputSlots\_7.0 |
| 6 | EBAndCaballoReleaseOverride |
| 7 | EVSJCreleaseSCT2.0 |
| 8 | EVSJCContractorsSCT2.0 |
| 9 | ForecastTables |
| 10 | HeronBeginYearAllocations |
| 11 | HeronInitialAllocations |
| 12 | HeronSJCcontractors |
| 13 | HeronSJCrelease |
| 14 | LocalInflow\_All |
| 15 | ReleaseOverides |
| 16 | RelinquishedCreditsSeries |
| 17 | ReservoirData |
| 18 | RioChamaDiversionDepletionRequest |

**ABSJCreleaseSCT2.0**

**Author** US Bureau of Reclamation

**Purpose** Used occasionally to check on type of water being released on any given time from Abiquiu

**Details** Discharge for 14 Abiquiu Accounts (Albuquerque, Bernalillo, CochitiRecPool, Espanola, LosAlamos, MRGCD, Reclamation, RioGrande, RioGrandeConservation, SantaFeCity, TownofTaos, TaosSkiValley, LosLunas, PVID). 14 Total Slots. Created 11/20/2017

**ABSJCContractorsSCT2.0**

**Author** US Bureau of Reclamation

**Purpose** Used rarely to check on type of water is in storage in Abiquiu Reservoir

**Details** Daily volume for 14 Abiquiu Accounts (Albuquerque, Bernalillo, CochitiRecPool, Espanola, Los Alamos, MRGCD, Reclamation, SantaFeCity, TownofTaos, TaosSkiValley, Rio Grande Conservation, SanteFeCounty, PVID and Rio Grande ). 14Total Slots. Created 2/7/2019

**Accounting**

**Author** US Army Corps of Engineers

**Purpose** Provides a summary of account storage and releases in major URGWOM reservoirs.

**Details** Displays Outflow, Physical Parameters and Storage for accounts in 6 MRG reservoirs (Heron, El Vado, Abiquiu, Cochiti, Elephant Butte and Caballo). Displays flow for 13 MRG gages. 157 total Slots. Created 10/25/2018.

**AccountPhysicalInput**

**Author** US Army Corps of Engineers

**Purpose** Used for checking and inputting reservoir data.

**Details** Displays physical parameters for all Storage Reservoirs except Platoro, inflow for 45 Stream Gages and 4 Diversions. Additionally, displays Carryover Content and Accumulated Permanent Sediment for Abiquiu, Cochiti and Jemez. 107 total Slots. Created 11/29/2016

**AllSeriesInputSlots\_7.0**

**Author** US Army Corps of Engineers

**Purpose** Unknown

**Details** Displays all Series Input Slots. 492 Total Slots. Created 8/10/2017

**EBAndCaballoReleaseOverride**

**Author** US Bureau of Reclamation

**Purpose** Elephant Butte and Caballo releases are computed by Reclamation externally from URGWOM, and are input using this SCT to AOP runs where the LRG disabled (and therefore, the Elephant Butte and Caballo releases cannot be computed by URGWOM).

**Details** Displays the Elephant Butte and Caballo Outflow slots, as well as the corresponding “TotalOutflowDirectlyInputToOverrideRules” slots.

**EVSJCreleaseSCT2.0**

**Author** US Bureau of Reclamation

**Purpose** Used occasionally to check on type of water being released on any given time from El Vado Reservoir

**Details** Discharge for 12 El Vado Accounts (Albuquerque, Espanola, LosAlamos, Los Lunas, MRGCD, Rio Grande, SantaFeCity, Townof Taos, TaosSkiValley, Reclamation, MRCDDrought, SupplementalESA). 12 Total Slots. Created 2/5/2013

**EVSJCContractorsSCT2.0**

**Author** US Bureau of Reclamation

**Purpose** Used rarely to check on type of water is in storage in El Vado Reservoir

**Details** Daily volume for 12 El Vado Accounts (Rio Grande, MRGCD Drought, Albuquerque, Espanola, Los Alamos, Los Lunas, Reclamation, MRGCD, SantaFeCity, TownofTaos, TaosSkiValley, SantaFeCounty ). 12Total Slots.

**ForecastTables**

**Author** US Army Corps of Engineers

**Purpose** Used in most AOP runs to input the NRCS forecasts. Also includes all of the switches to adjust forecasted hydrographs, such as InputForecastData.UserInputYearsToUseForForecastPeriod, and InputForecastData.RatioToAdjustPostForecastSeasonInflows

**Details** 28 slots on the InputForecastData object.

**HeronBeginYearAllocations**

**Author** US Army Corps of Engineers

**Purpose** Used to input beginning of year allocations for SJC accounts in Heron.

**Details** Supply (cfs) and Allocation (ac-ft) for 20 Heron Reservoir Accounts (Reclamation and Rio Grande excepted). 40 Total Slots. Created 2/6/2018

**HeronInitialAllocations**

**Author** US Bureau of Reclamation

**Purpose** Used at the most used once a year to put in initial Heron Reservoir Allocations

**Details** Daily volume for 22 Heron Accounts (AamodtSettlement excepted). 22 total Slots. Created 1/9/2014

**HeronSJCcontractors**

**Author** US Bureau of Reclamation

**Purpose** Used rarely to check on type of water is in storage in Heron Reservoir

**Details** Daily volume for 16 Heron Accounts (Albuquerque, Belen, Bernalillo, CochitiRecPool, Espanola, Jicarilla, Los Alamos, Los Lunas, MRGCD, NambeFalls, RedRiver, Rio Grande, SanJuanPueblo, SantaFe, Taos, Twining). 12Total Slots. Created as version SCT 1.0, and not updated. Obsolete?

**HeronSJCrelease**

**Author** US Bureau of Reclamation

**Purpose** Used occasionally to check on type of water being released on any given time from Heron Reservoir

**Details** Discharge for 21 Heron Accounts (AamondtSettlement and FederalSanJuan excepted ). 21Total Slots. Created 3/26/2015

**LocalInflow\_All**

**Author** US Army Corps of Engineers

**Purpose** Unknown

**Details** All Local Inflows. 36 Total Slots. Created 10/10/2018

**ReleaseOverides**

**Author** US Army Corps of Engineers

**Purpose** Allows a model user to manually specify releases from all reservoirs except Nambe and Platoro. Recent model updates may allow Platoro to be added to this list.

**Details** Displays TotalOutflowDirectlyInputToOverrideRules for 7 Reservoirs (Nambe and Platoro excepted). Displays TotalOuflow for Platoro. 8 total Slots. Created 8/9/2016

**RelinquishedCreditsSeries**

**Author** US Bureau of Reclamation

**Purpose** Allows a model user to manually specify the amount of Credit that New Mexico is relinquishing, and the amount of this that is going to the MRGCD Drought, Supplemental ESA, or Municipalities. The MRGCD Drought or Supplemental ESA water would get released from the corresponding accounts in El Vado; the model does nothing with the Municipalities water.

**Details** Displays 4 slots from the RelinquishedCreditsEmergencyDroughtWater object.

**ReservoirData**

**Author** US Bureau of Reclamation

**Purpose** Used daily to enter in latest reservoir values that are not imported through DMI

**Details** Physical parameters (Pool Elevation, Pan Evaporation, Air Temp, Ice Coverage, Precipitation, Temperature, Outflow and Storage) for 8 Storage Reservoirs (Platoro excepted). 60 Total Slots. Created 6/5/2017

**RioChamaDiversionDepletionRequest**

**Author** US Bureau of Reclamation

**Purpose** Allows a model user to manually specify the amount of diversion and depletion that each of the Acequias on the Rio Chama will take, rather than letting the model compute these values based on a standard curve.

**Details** Displays 34 diversion and depletion slots for the Acequias on the Rio Chama, as well as the amount of Rio Grande water passing through Abiquiu, as a reference for how much can be diverted to these acequias.