Command Glossary

Version 2.14.00, 2007-07-11, Acrobat Distiller

The following parameter names and terms are used throughout StateDMI commands. A term indicated in **bold** font is a definition. A term indicated in **`bold courier`** font is a parameter name. Parameters specific to one or a few commands are cross-referenced with the commands. Common parameters are defined but long lists of corresponding commands are not provided. Possible values for parameters used in modeling (e.g., numerical options) are described in StateCU and StateMod model documentation.

`AccountDist` – The account distribution option for reservoir rights. See the `fillReservoirRight()`, and `setReservoirRight()` commands.

`AccountEvap` – Indicate how to distribute evaporation for a reservoir account. See the `fillReservoirStation()` and `setReservoirStation()` commands.

`AccountID` – The account identifier for a reservoir account. A reservoir can have multiple accounts. See the `fillReservoirStation()` and `setReservoirStation()` commands.

`AccountInitial` – The account initial content for a reservoir account. See the `fillReservoirStation()` and `setReservoirStation()` commands.

`AccountMax` – The account maximum content for a reservoir account. See the `fillReservoirStation()` and `setReservoirStation()` commands.

`AccountName` – The account name for a reservoir account. A reservoir can have multiple accounts. See the `fillReservoirStation()` and `setReservoirStation()` commands.

`AccountOneFill` – Indicate how to handle one fill rule calculations for a reservoir account. See the `fillReservoirStation()` and `setReservoirStation()` commands.

`AcresGW` – The groundwater acres for a CU Location. See the `setIrrigationPracticeTS()` command.

`AcresGWCol` – The column number (or name) for groundwater acres. See the `setIrrigationPracticeTSFromList()` command.

`AcresGWFloodCol` – The column number (or name) for groundwater flood acres. See the `setIrrigationPracticeTSFromList()` command.

`AcresGWSprinklerCol` – The column number (or name) for groundwater sprinkler acres. See the `setIrrigationPracticeTSFromList()` command.

`AcresSprinkler` – The sprinkler acres for a CU Location. See the `setIrrigationPracticeTS()` command.

`AcresSprinklerCol` – The column number (or name) for sprinkler acres. See the `setIrrigationPracticeTSFromList()` command.

`AcresSWFloodCol` – The column number (or name) for surface water flood acres. See the `setIrrigationPracticeTSFromList()` command.

AcresSWSprinklerCol – The column number (or name) for surface water sprinkler acres. See the `setIrrigationPracticeTSFromList()` command.

AcresTotal – The total acres for a CU Location. See the `setIrrigationPracticeTS()` command.

AcresTotalCol – The column number (or name) for total acres. See the `setIrrigationPracticeTSFromList()` command.

AdministrationNumber – The administration number (numerical priority) for a water right. See the `fillDiversionRight()`, `fillInstreamFlowRight()`, `fillReservoirRight()`, `fillWellRight()`, `setDiversionRight()`, `setInstreamFlowRight()`, `setReservoirRight()`, and `setWellRight()` commands.

AdminNumClasses – The administration number classes for water rights, used to define aggregates. See the `readDiversionRightsFromHydroBase()`, `readReservoirRightsFromHydroBase()`, `readWellRightsFromHydroBase()`, and `setIrrigationPracticeTSFromHydroBase()` commands.

AdminNumShift – The administration number shift for a well station. See the `fillWellStation()` and `setWellStation()` commands.

AdminNumShiftCol – The column number (or name) to be read from a delimited file for `AdminNumShift` data. See the `setWellStationsFromList()` command.

Aggregate – See Collection.

Alias – A (generally) short identifier for a time series, used in place of the TSID, which simplifies commands. The Alias and TSID values are interchangeable when used as parameters to commands and may both be referred to as TSID in command editors. See also TSID.

Alias – A (generally) short identifier for a time series, used in place of the TSID, which simplifies commands. When used to create/read a time series, the syntax of a command is typically similar to: `TS Alias = command(...)`. See also TSID.

AnalysisEnd – A DateTime that indicates the end of an analysis.

AnalysisStart – A DateTime that indicates the start of an analysis.

Append – Indicates whether data from a read should be appended to in-memory data. The default in most cases is True, but in some cases in-memory data are to be discarded before the read. See the `readWellRightsFromStateMod()` and `readWellStationsFromStateMod()` commands.

AreaCol – The column number (or name) to be read from a delimited file for area data. See the `setCropPatternTSFromList()` command.

AutoAdjust – Indicate that automatic adjustments should be made to data, typically in cases where some type of version compatibility issue is being addressed. See the `writeCropCharacteristicsToStateCU()` command.

AWC – The available water content (AWC) fraction, for a CU Location. See the `setCULocation()` command.

AWCCol – The column number (or name) to be read from a delimited file for AWC data. See the `fillCULocationsFromList()`, and `setCULocationsFromList()` commands.

BaseData – The base flow coefficient and station data for stream estimate stations. See the `setStreamEstimateCoefficients()` command.

BlaneyCriddleMethod – The Blaney-Criddle method in HydroBase for Blaney-Criddle data. Regional variations are provided. See the `readBlaneyCriddleFromHydroBase()` command.

Capacity – The capacity for a diversion or well. See the `fillDiversionStation()`, `fillWellStation()`, `setDiversionStation()`, and `setWellStation()` commands.

CapacityCol – The column number (or name) to be read from a delimited file for Capacity data. See the `setDiversionStationsFromList()` and `setWellStationsFromList()` commands.

CheckStructures – Used when filling stream gage stations from HydroBase. See the `fillStreamGageStationsFromHydroBase()` command.

Coefficients – Crop growth coefficients. See the `setBlaneyCriddle()` command.

Collection – A group of parts that modeled as a single item. StateMod diversions can be one of the following:

- Aggregate – the physical characteristics of the diversion stations are combined, and the water rights are aggregated into classes
- MultiStruct – multiple diversions are grouped but are each represented in the model network; for historical modeling the time series at each point are used; for calculated demands the demands are totaled at a key structure and set to zero for the others. The definition of a MultiStruct is only necessary when processing demands.
- System – the physical characteristics of the diversion are combined, but water rights are retained in their individual form.

CommentFormat – The format to use when setting the comment for a station. Various data can be combined into the name. See the `fillRiverNetworkFromNetwork()` command.

Constant – A constant value used to fill or set time series. See the `fillCropPatternTSConstant()`, `fillDiversionDemandTSMonthlyConstant()`, `fillDiversionHistoricalTSMonthlyConstant()`, `fillWellDemandTSMonthlyConstant()`, and `setDiversionDemandTSMonthlyConstant()` commands.

ContentAreaSeepage – Content/area/seepage table values for a reservoir station. See the `fillReservoirStation()` and `setReservoirStation()` commands.

ContentMax – The maximum content for a reservoir. See the `fillReservoirStation()` and `setReservoirStation()` commands.

ContentMin – The minimum content for a reservoir. See the `fillReservoirStation()` and `setReservoirStation()` commands.

CropPattern – A crop pattern (crop type and area values). See the `setCropPatternTS()` command.

CropType – A crop type/name (e.g., `ALFALFA`), which in some cases may be a pattern (e.g., `ALFALFA*`). See the `fillCropPatternTSConstant()`, `removeCropPatternTS()`, and `setBlaneyCriddle()`, and `setCropCharacteristics()` commands.

CropTypeCol – The column number (or name) to be read from a delimited file for `CropType` data. See the `setCropPatternTSFromList()` commands.

CULocType – Consumptive use location (CU Location) type. StateDMI currently processes data for structures but can be extended to process data for climate station locations. The location type can therefore be used to control which database tables are queried for information. See the `fillCULocationFromHydroBase()` command.

CUMethod – The CU method in HydroBase for crop type and characteristics. See the `readCropCharacteristicsFromHydroBase()` command.

CurveType – Indicate whether crop growth data are for annual or perennial crops. See the `setBlaneyCriddle()` command.

DailyID – The station identifier used to specify daily data for a station. See the `fillDiversionStation()`, `fillInstreamFlowStation()`, `fillReservoirStation()`, `fillStreamEstimateStation()`, `fillStreamGageStation()`, `fillWellStation()`, `setDiversionStation()`, `setInstreamFlowStation()`, `setReservoirStation()`, `setStreamEstimateStation()`, and `setWellStation()` commands.

DailyIDCol – The column number (or name) to be read from a delimited file for DailyID data. See the `setDiversionStationsFromList()` and `setWellStationsFromList()` commands.

DatabaseName – The name of a database, when making a database connection. See the `openHydroBase()` command.

DatabaseServer – The name of a database server, when making a database connection. See the `openHydroBase()` command.

DataType – The data type used when processing time series, necessary when there are more than one time series data types available. See the `fillIrrigationPracticeTSInterpolate()`, and `fillIrrigationPracticeTSRepeat()` command.

DateTime – A date/time value, typically represented as a string, which indicates a point in time. Date/time strings have a precision that is interpreted by the software. For example, the date/time string `1990` has a precision of year, whereas the string `1990-01-12` has a precision of day.

DaysToFullCover – The days to full cover for a crop. See the `setCropCharacteristics()` command.

DaysTo2ndCut – The days to second cut for a crop. See the `setCropCharacteristics()` command.

DaysTo3rdCut – The days to third cut for a crop. See the `setCropCharacteristics()` command.

DeadStorage – The dead storage for a reservoir. See the `fillReservoirStation()` and `setReservoirStation()` commands.

Decree – The decree amount for a water right. See the `fillDiversionRight()`, `fillInstreamFlowRight()`, `fillReservoirRight()`, `fillWellRight()`, `setDiversionRight()`, `setInstreamFlowRight()`, `setReservoirRight()`, and `setWellRight()` commands.

DecreeMin – The minimum decree to accept as a valid right (others are ignored). See the `readDiversionRightsFromHydroBase()`, and `readReservoirRightsFromHydroBase()` commands.

DefaultAppropriationDate – The default appropriation date to use with well right/permit data, if a date is not available. See the `readWellRightsFromHydroBase()`, and `setIrrigationPracticeTSFromHydroBase()` commands.

DefaultTable – The default delay table to use when setting returns from the river network. See the `setDiversionStationDelayTablesFromNetwork()` and `setWellStationDelayTablesFromNetwork()` commands.

DefineRightHow – Indicate how well rights should be defined from water right/permit data (e.g., earliest date, latest date, right if available). See the `readWellRightsFromHydroBase()`, `setIrrigationPracticeTSFromHydroBase()`, and `fillWellStationsFromHydroBase()` commands.

Delim – The delimiter character(s) used when processing delimited files. See the `read*FromList()` and `write*ToList()` commands.

DemandSource – The demand source, indicating whether demands are estimated from geographic information system acreage, total acreage estimate, etc., for a diversion station. See the `fillDiversionStation()`, `fillWellStation()`, `setDiversionStation()`, and `setWellStation()` commands.

DemandSourceCol – The column number (or name) to be read from a delimited file for `DemandSource` data. See the `setDiversionStationsFromList()` and `setWellStationsFromList()` commands.

DemandType – The demand type for a diversion station. See the `fillDiversionStation()` and `fillInstreamFlowStation()`, `fillWellStation()`, `setDiversionStation()`, `setInstreamFlowStation()`, and `setWellStation()` commands.

DemandTypeCol – The column number (or name) to be read from a delimited file for DemandType data. See the setDiversionStationsFromList() and setWellStationsFromList() commands.

Depletions – The depletion locations, percentages, and delay table, for a well station. See the fillWellStation() and setWellStation() commands.

Div – The water division associates with data. See the fillWellStationsFromHydroBase(), and readWellRightsFromHydroBase(), setIrrigationPracticeTSFromHydroBase(), setIrrigationPracticeTSSprinklerAreaFromList(), setWellAggregate(), setWellAggregateFromList(), setWellSystem(), and setWellSystemFromList() commands.

DivAndWellGWAcreage – Indicate how to adjust the groundwater acreage for locations that have surface diversion and groundwater supply. See the synchronizeIrrigationPracticeAndCropPatternTS() command.

DiversionID – The diversion station identifier associated with a well station. See the fillWellStation() and setWellStation() commands.

DiversionIDCol – The column number (or name) to be read from a delimited file for DiversionID data. See the readWellStationsFromFromList() command.

DiversionIDCol – The column number (or name) to be read from a delimited file for DiversionID data. See the setWellStationsFromList() command.

DownstreamRiverNodeID – The river node identifier for the downstream node in an instream flow reach, for instream flow stations. It is also used to indicate the node downstream from a river node, to indicate network connectivity. See the fillInstreamFlowStation(), setInstreamFlowStation(), and setRiverNetworkNode() commands.

EarliestMoistureUseTemp – The earliest moisture use temperature for a crop. See the setCropCharacteristics() command.

EffAnnual – The annual efficiency (%, 0-100) for a diversion station. See the fillDiversionStation(), fillWellStation(), setDiversionStation(), and setWellStation() commands.

EffAnnualCol – The column number (or name) to be read from a delimited file for EffAnnual data. See the setDiversionStationsFromList() and setWellStationsFromList() commands.

EffCalcEnd – A DateTime that indicates the end of an efficiency calculation analysis. See the calculateDiversionStationEfficiencies() and calculateWellStationEfficiencies() commands.

EffCalcStart – A DateTime that indicates the start of an efficiency calculation analysis. See the calculateDiversionStationEfficiencies() and calculateWellStationEfficiencies() commands.

Effmin – The minimum efficiency. See the `calculateDiversionStationEfficiencies()` and `calculateWellStationEfficiencies()` commands.

EffMonthly – The monthly efficiency (%, 0-100) for a diversion station. The order of efficiencies in the model data file depends on the model and control information. However, StateDMI requires that efficiencies be entered in the order January through December. See the `fillDiversionStation()`, `fillWellStation()`, `setDiversionStation()`, and `setWellStation()` commands.

EffMonthlyCol – The column number (or name) to be read from a delimited file for `EffMonthly` data. See the `setDiversionStationsFromList()` and `setWellStationsFromList()` commands.

Effmax – The maximum efficiency. See the `calculateDiversionStationEfficiencies()` and `calculateWellStationEfficiencies()` commands.

EffReportFile – The name of the report file containing the results of efficiency calculations. See the `calculateDiversionStationEfficiencies()` and `calculateWellStationEfficiencies()` commands.

Elevation – Elevation. See the `fillClimateStation()`, `setClimateStation()`, and `setCULocation()` commands.

ElevationCol – The column number (or name) to be read from a delimited file for `Elevation` data. See the `fillCULocationsFromList()`, `readCULocationsFromList()`, and `setCULocationsFromList()` commands.

EvapStations – The list of evaporation stations and weights for a reservoir station. See the `fillReservoirStation()` and `setReservoirStation()` commands.

FallFrostFlag – The fall frost flag for a crop. See the `setCropCharacteristics()` command.

FillAverageOrder – When multiple fill techniques are used within one command, indicate the order for filling using historical average. See the `fillDiversionHistoricalTSMonthlyFromHydroBase()` command.

FillDirection – Indicate which direction (`Forward` or `Backward`) that filling should occur. This is important because statistics computed to perform filling can be different depending on the processing direction. See the `fillCropPatternTSProrateAgStats()`, `fillCropPatternTSRepeat()`, and `fillIrrigationPracticeTSRepeat()` commands.

FillEnd – A DateTime that indicates the end of a fill process.

FillFlag – A character flag used to indicate when time series values are filled. See the `fillDiversionDemandTSAverage()`, `fillDiversionDemandTSConstant()`, `fillDiversionDemandTSPattern()`, `fillDiversionHistoricalTSAverage()`, `fillDiversionHistoricalTSConstant()`, `fillDiversionHistoricalTSMonthlyPattern()`, `fillWellDemandTSMonthlyAverage()`,

`fillWellDemandTSMonthlyConstant()`, and `fillWellDemandTSMonthlyPattern()` commands.

`FillPatternOrder` – When multiple fill techniques are used within one command, indicate the order for filling using historical average patterns. See the `fillDiversionHistoricalTSMonthlyFromHydroBase()` command.

`FillStart` – A DateTime that indicates the start of fill process.

`FillType` – The reservoir right fill type. See the `fillReservoirRight()` and `setReservoirRight()` commands.

`FillUsingCIU` – Fill diversion records with additional zeros using the "currently in use" (CIU) data from HydroBase. See the `readDiversionHistoricalTSMonthlyFromHydroBase()` command.

`FillUsingCIUFlag` – Indicate how to flag filled data values when using "currently in use" (CIU) data from HydroBase. See the `readDiversionHistoricalTSMonthlyFromHydroBase()` command. The flags can be displayed on graphs.

`FloodAppEffMax` – The flood application efficiency maximum for a CU Location. See the `setIrrigationPracticeTS()` command.

`FloodAppEffMaxCol` – The column number (or name) to be read from a delimited file for `FloodAppEffMax` data. See the `setIrrigationPracticeTSFromList()` command.

`FreeWaterAdministrationNumber` – Indicate the administration number >= to which a right is considered a free water right. See the `setIrrigationPracticeTSPumpingMaxUsingWellRights()` command.

`FreeWaterAppropriationDate` – A date to be used for free water rights. See the `limitDiversionDemandTSMonthlyToRights()`, `limitDiversionHistoricalTSMonthlyToRights()`, `setIrrigationPracticeTSMaxPumpingToRights()`, and `setIrrigationPracticeTSPumpingMaxUsingWellRights()` commands.

`FreeWaterMethod` – Indicate how to handle processing of free water rights. See the `setIrrigationPracticeTSPumpingMaxUsingWellRights()` command.

`GageID` – The stream gage station identifier to use instead of the downstream gage. See the `setStreamEstimateCoefficients()` command.

`GainData` – The base flow coefficient and station data for stream estimate stations. See the `setStreamEstimateCoefficients()` command.

`GWMode` – The groundwater mode for a CU Location. See the `setIrrigationPracticeTS()` command.

`GWModeCol` – The column number (or name) for groundwater mode for a CU Location. See the `setIrrigationPracticeTSFromList()` command.

GWOnlyGWAcreage – Indicate how to adjust the groundwater acreage for locations that have only groundwater supply. See the `synchronizeIrrigationPracticeAndCropPatternTS()` command.

HandleMissingHow – Indicate how to handle missing data values when processing time series. For example, when adding time series, missing values can be ignored or can result in a missing value in the result. See the `add()`, `cumulate()`, and `subtract()` commands.

HarvestMonth – The harvest month for a crop. See the `setCropCharacteristics()` command.

HarvestDay – The harvest day for a crop. See the `setCropCharacteristics()` command.

ID – The identifier to match in a file. Typically this is a location (e.g., station, structure identifier) and can be specified using a wildcard pattern (e.g., `20*`). This parameter is used by many commands as the primary key to associate data.

IDCol – The column number (or name) to be read from a delimited file for identifier data. See the `read*FromList()` command.

IfFound – Indicate the action to be taken if a matching data item (usually by ID) is found. For example, the action typically includes warning the user or continuing with a data edit. See the `set*()` command.

IfNotFound – Indicate the action to be taken if a matching data item (usually by ID) is not found. For example, the action typically includes warning the user or continuing with a data edit. See the `set*()` commands.

IDFormat – The format to use for identifiers, used when default formatting is not appropriate. See the `readWellRightsFromHydroBase()` command.

IgnoreDiversions – Indicate whether diversion nodes should be ignored by a command.

IgnoreDWs – Indicate whether D&W (diversion + well) nodes should be ignored by a command. See the `readWellStationsFromStateMod()` command.

IgnoreID – A list of identifiers to ignore when processing a command. See the `limitDiversionDemandTSMonthlyToRights()`, and `limitDiversionHistoricalTSMonthlyToRights()` commands.

IgnoreLEZero – Indicate whether values less than or equal to zero should be ignored when computing historical averages for time series. See the `setIgnoreLEZero()` command.

IgnoreWells – Indicate whether well nodes should be ignored by a command. See the `readWellStationsFromStateMod()` command.

IncludeCollections – Indicate whether locations that are collections (aggregates and systems) should be processed by a command. In particular, when processing time series, filling can be controlled to occur for individual collection parts or on total time series. See the `fillDiversionHistoricalTSMonthlyAverage()`,

`fillDiversionHistoricalTSMonthlyPattern()`, and `fillDiversionHistoricalTSMonthlyFromHydroBase()` commands.

`IncludeExplicit` – Indicate whether locations that are explicit (key) locations should be processed by a command. In particular, when processing time series, filling can be controlled to occur for explicit locations or collections (aggregates and systems). See the `fillDiversionHistoricalTSMonthlyFromHydroBase()` command.

`IncludeGroundwaterOnlySupply` – Indicate whether locations that have only groundwater supply should be processed by a command. See the `fillIrrigationPracticeTSAcreageUsingWellRights()` and `setIrrigationPracticeTSPumpingMaxUsingWellRights()` commands.

`IncludeStreamEstimateStations` – Indicate whether stream estimate stations should be processed by a command. In particular, this is used when processing stream gage/estimate station data. See the `fillIrrigationPracticeTSAcreageUsingWellRights()` and `readStreamGageStationsFromNetwork()` command.

`IncludeSurfaceWaterSupply` – Indicate whether locations that have surface water supply should be processed by a command. See the `setIrrigationPracticeTSPumpingMaxUsingWellRights()` command.

`InputEnd` – A DateTime that indicates the end of a file read or a database query.

`InputFile` – The name/path for a file that is used as input to a command. See the `limitDiversionDemandTSMonthlyToRights()`, `limitDiversionHistoricalTSMonthlyToRights()`, and `ReadAgStatsTSFromDateValue()` commands.

`InputStart` – A DateTime that indicates the start of file read or a database query.

`Interval` – The data interval (day or month) for delay tables. See the `writeDelayTablesToStateMod()` command.

`IrrigatedAcres` – The irrigated acres for a diversion station. See the `fillDiversionStation()`, `fillWellStation()`, `setDiversionStation()`, and `setWellStation()` commands.

`IrrigatedAcresCol` – The column number (or name) to be read from a delimited file for `IrrigatedAcres` data. See the `setDiversionStationsFromList()` and `setWellStationsFromList()` commands.

`IrrigationMethodCol` – The column number (or name) for irrigation method (e.g., `SPRINKLER`, `FLOOD`). See the `setCropPatternTSFromList()` and `setIrrigationPracticeTSFromList()` commands.

`LatestMoistureUseTemp` – The latest moisture use temperature for a crop. See the `setCropCharacteristics()` command.

`Latitude` – Latitude in decimal degrees. See the `fillClimateStation()`, `fillCULocation()`, `setClimateStation()`, and `setCULocation()` commands.

LatitudeCol – The column number (or name) to be read from a delimited file for Latitude data. See the `fillCULocationsFromList()`, `readCULocationsFromList()`, and `setCULocationsFromList()` commands.

LengthOfSeason – The length of the growing season for a crop. See the `setCropCharacteristics()` command.

LEZeroInAverage – Indicate whether historical averages should consider values less than or equal to zero. See the `calculateDiversionStationEfficiencies()`, `calculateWellStationEfficiencies()`, `fillDiversionDemandTSMonthlyPattern()`, `fillDiversionHistoricalTSMonthlyPattern()`, `fillWellDemandTSMonthlyPattern()`, `fillWellHistoricalTSMonthlyFromHydroBase()`, `setDiversionDemandTSMonthly()`, `setDiversionHistoricalTSMonthly()`, and `setWellDemandTSMonthly()` commands.

LimitToCurrent – Indicate whether only the most recent water rights conditions should be used when limiting time series to rights (use a single value and not a step function). See the `limitDiversionDemandTSMonthlyToRights()` command.

ListFile – The name of an input or output list (delimited) file to be written or read, specified using a relative or absolute path. See the `read*FromList()` and `write*toList()` commands.

LocationEstimate – Indicate how to estimate missing coordinates for nodes, when used with network diagram features. See the `fillNetworkFromHydroBase()` command.

LogFile – The name of the log file, specified using a relative or absolute path. See the `setLogFile()` command.

LogFileLevel – The level for messages printed to the log file. See the `setDebugLevel()` and `setWarningLevel()` commands.

MaxAppDepth – The maximum irrigation application depth for a crop. See the `setCropCharacteristics()` command.

MaxIntervals – The maximum number of intervals to process when processing time series. For example, indicate the widest gap of missing data to fill. See the `fillCropPatternTSInterpolate()`, `fillCropPatternTSProrateAgStats()`, `fillIrrigationPracticeTSInterpolate()`, and `fillIrrigationPracticeTSRepeat()` commands.

MaxRechargeLimit – The maximum recharge limit (CFS) when modeling groundwater. See the `setRiverNetworkNode()` command.

MaxRootZoneDepth – The maximum root zone depth for a crop. See the `setCropCharacteristics()` command.

MergeDelim – Indicates whether adjacent delimiters should be treated as one when processing delimited files. See the `read*FromList()` and `write*ToList()` commands.

MonthValues – Monthly values used to set time series data. See the `setInstreamFlowdemandTSAverageMonthlyConstant()` command.

MultiStruct – See Collection.

Name – The name associated with a data item (e.g., station, structure, water right name). This parameter is used by many commands.

NameCol – The column number (or name) to be read from a delimited file for `Name` data. See the `fill*FromList()` and `set*FromList()` commands.

NameFormat – The format to use when setting the name for a station from HydroBase. Various data can be combined into the name. See the `fillRiverNetworkFromHydroBase()`, `fillRiverNetworkFromNetwork()`, `fillStreamEstimateStation()`, `fillStreamEstimateStationsFromNetwork()`, `fillStreamGageStation()`, `fillStreamGageStationsFromHydroBase()`, and `fillStreamGageStationsFromNetwork()` commands.

NewCropType – The new crop type. See the `translateBlaneyCriddle()`, `translateCropCharacteristics()`, and `translateCropPatternTS()` commands.

NumberOfDaysInMonth – The number of days in each month, used when an approximation is used rather than exact values. See the `setIrrigationPracticeTSMaxPumpingToRights()` command.

OldCropType – The old crop type. See the `translateBlaneyCriddle()`, `translateCropCharacteristics()`, and `translateCropPatternTS()` commands.

OneFillRule – The date for one fill rule administration for a reservoir. See the `fillReservoirStation()` and `setReservoirStation()` commands.

OnOff – The on/off switch used to indicate if a station, right, or other information is active for a data set. See `fill*()` and `set*()` commands for StateMod data files.

OnOffCol – The column number (or name) to be read from a delimited file for `OnOff` data. See the `setDiversionStationsFromList()` command.

OnOffDefault – The default value of the `OnOff` parameter for water rights (e.g., `1`, or as determined from a water right appropriation date). See the `readDiversionRightsFromHydroBase()`, `readInstreamFlowRightsFromHydroBase()`, and `readReservoirRightsFromHydroBase()`, and `readWellRightsFromHydroBase()` commands.

OpRightID – The operational right identifier associated with a reservoir right. See the `fillReservoirRight()` and `setReservoirRight()` commands.

Order – The primary order to sort data. See the `sort*()` commands.

Order2 – The secondary order to sort data. See the `sort*()` commands.

OrographicPrecAdjCol – The column number (or name) to be read from a delimited file for the orographic precipitation adjustment factor. See the `setCULocationClimateStationWeightsFromList()` command.

OrographicTempAdjCol – The column number (or name) to be read from a delimited file for the orographic temperature adjustment factor. See the `setCULocationClimateStationWeightsFromList()` command.

OutputEnd – A DateTime that indicates the end of output.

OutputFile – The name of an output file to be written, specified using a relative or absolute path.

OutputStart – A DateTime that indicates the start of output.

OutputYearType – Indicate the type of year (e.g., calendar year, water year) for output. See the `setOutputYearType()` command.

ParcelAreaCol – The column number (or name) to be read from a delimited file for parcel area data (used when overriding HydroBase data during development). See the `setIrrigationPracticeTSSprinklerAreaFromList()` command.

ParcelIDCol – The column number (or name) to be read from a delimited file for `ParcelID` data. See the `setIrrigationPracticeTSSprinklerAreaFromList()` command.

ParcelIDYear – The year to use for parcel identifiers (which can vary by year). See the `setIrrigationPracticeTSSprinklerAreaFromList()` command.

ParcelYear – A specific year for irrigated lands parcel data. See the `fillIrrigationPracticeTSAcreageUsingWellRights()`, and `setIrrigationPracticeTSPumpingMaxUsingWellRights()` command.

PartIDs – The identifiers for parts of a collection (aggregates and systems). See the `setDiversionAggregate()`, `setDiversionMultiStruct()`, `setDiversionSystem()`, `setReservoirAggregate()`, `setWellAggregate()`, and `setWellSystem()` commands.

PartIDsCol – The column number (or name) to be read from a delimited file for `PartID` data (an identifier for part of a collection). See the `setDiversionAggregatesFromList()`, `setDiversionMultiStructFromList()`, `setDiversionSystemFromList()`, `setReservoirAggregateFromList()`, `setWellAggregateFromList()`, and `setWellSystemFromList()` commands.

PartIDsColMax – The maximum column number (or name) to be read from a delimited file for `PartID` data (an identifier for part of a collection). This is useful when ignoring additional columns on the right side of a delimited file. See the `setDiversionAggregatesFromListFromList()`, `setDiversionMultiStructFromList()`, `setDiversionSystemFromList()`, `setReservoirAggregateFromList()`, `setWellAggregateFromList()`, and `setWellSystemFromList()` commands.

PartIDsListedHow – Indicate whether part identifiers in a collection are listed in columns (one record per collection) or rows (multiple rows per collection). See the `setDiversionAggregatesFromListFromList()`, `setDiversionMultiStructFromList()`, `setDiversionSystemFromList()`, `setReservoirAggregateFromList()`, `setWellAggregateFromList()`, and `setWellSystemFromList()` commands.

PatternFile – The file name for a pattern file. See the `setPatternFile()` command.

PatternID – An identifier for a pattern (e.g., `WET`, `DRY`, `AVG`). See the `fillDiversionDemandTSMonthlyPattern()`, `fillDiversionHistoricalTSMonthlyPattern()`, `fillWellDemandTSMonthlyPattern()`, and `readDiversionHistoricalTSMonthlyFromHydroBase()` commands.

PlantingMonth – The planting month for a crop. See the `setCropCharacteristics()` command.

PlantingDay – The planting day for a crop. See the `setCropCharacteristics()` command.

Precision – The precision (digits after the decimal) for output. See the `writeBlaneyCriddleToStateCU()` command.

PrecipStations – The list of precipitation stations and weights for a reservoir station. See the `fillReservoirStation()` and `setReservoirStation()` commands.

PrecWtCol – The column number (or name) to be read from a delimited file for `PrecWt` (precipitation weight) data. See the `setCULocationsFromList()` command.

ProcessData – Indicates whether crop pattern data should be processed or used only to define relationships between data (which will then be used by another command). See the `readCropPatternTSFromHydroBase()` command.

ProcessWhen – Indicates when crop pattern data should be processed. Data can be processed with the command (immediate set) or when HydroBase data are read. The latter allows more sophisticated processing that may be required. See the `setCropPatternTS()`, `setCropPatternTSFromList()`, `setIrrigationPracticeTS()`, and `setIrrigationPracticeTSFromList()` commands.

ProrationFactor – The proration factor for stream estimate stations. See the **`setStreamEstimateCoefficients()`** command.

PumpingMax – The maximum monthly pumping rate for a CU Location. See the `setIrrigationPracticeTS()` command.

PumpingMaxCol – The column number (or name) for pumping maximum. See the `setIrrigationPracticeTSFromList()` command.

ReadWellRights – Indicates whether well rights should be read, rather than relying on summed "pseudo rights". The default is now to read individual well rights; however, this parameter can be

used to match data processing for earlier versions of the software. See the `fillWellStationsFromHydroBase()`, `readWellRightsFromHydroBase()`, and `setIrrigationPracticeTSFromHydroBase()` commands. See also `UseApex`.

`Region1` – Traditionally, the StateCU model used County/HUC identifiers to indicate the bounds of an area of interest, for calculations/reporting. StateDMI uses generalized Region1/Region2 identifiers, to allow more flexibility. See the `fillClimateStation()`, `fillCULocation()`, `setClimateStation()`, and `setCULocation()` commands. See also `Region1Type`.

`Region1Col` – The column number (or name) to be read from a delimited file for `Region1` data. See the `fillCULocationsFromList()`, `readCULocationsFromList()`, `setCULocationsFromList()`, and `setCULocationsFromList()` commands.

`Region1Type` – Traditionally, the StateCU model used County/HUC identifiers to indicate the bounds of an area of interest, for calculations/reporting. StateDMI uses generalized Region1/Region2 identifiers, to allow more flexibility and some commands use this parameter to indicate that `Region1` is `County` or another value. See the `fillCULocationsFromHydroBase()` command. See also `Region1`.

`Region2` – Traditionally, the StateCU model used County/HUC identifiers to indicate the bounds of an area of interest, for calculations/reporting. StateDMI uses generalized Region1/Region2 identifiers, to allow more flexibility. See the `fillClimateStation()`, `fillCULocation()`, `setClimateStation()`, and `setCULocation()` commands. See also `Region2Type`.

`Region2Col` – The column number (or name) to be read from a delimited file for `Region2` data. See the `fillCULocationsFromList()`, `readCULocationsFromList()`, `setCULocationsFromList()`, and `setCULocationsFromList()` commands.

`Region2Type` – Traditionally, the StateCU model used County/HUC identifiers to indicate the bounds of an area of interest, for calculations/reporting. StateDMI uses generalized Region1/Region2 identifiers, to allow more flexibility and some commands use this parameter to indicate that `Region2` is `HUC` or another value. See the `fillCULocationsFromHydroBase()` command. See also `Region2`.

`ReleaseMax` – The maximum release for a reservoir. See the `fillReservoirStation()` and `setReservoirStation()` commands.

`ReplaceResOption` – The replacement reservoir option for a diversion station. See the `fillDiversionStation()`, and `setDiversionStation()` commands.

`ReplaceResOptionCol` – The column number (or name) to be read from a delimited file for `ReplaceResOption` data. See the `setDiversionStationsFromList()` command.

`Returns` – The return flow locations, percentages, and delay table, for a diversion or well station. See the `fillDiversionStation()`, `fillWellStation()`, `setDiversionStation()`, and `setWellStation()` commands.

`RightType` – The reservoir right type. See the `fillReservoirRight()` and `setReservoirRight()` commands.

RiverNodeID – The river node identifier associated with a station. See the `fillDiversionStation()`, `fillReservoirStation()`, `fillStreamEstimateStation()`, `fillStreamGageStation()`, `fillWellStation()`, `setDiversionStation()`, `setReservoirStation()`, and `setStreamEstimateStation()` commands.

RiverNodeIDCol – The column number (or name) to be read from a delimited file for `RiverNodeID` data. See the `setDiversionStationsFromList()` and `setWellStationsFromList()` commands.

Scale – A scale factor to apply to data. See the `readDelayTablesFromStateMod()` command.

SetEfficiency – Indicate whether to set the efficiency when setting delay table information. See the `setDiversionStationDelayTablesFromRTN()` and `setWellStationDelayTablesFromRTN()` commands.

SetEnd – A DateTime that indicates the end of a data set process.

SetFlag – A character flag used to indicate when time series values are set. See the `limitDiversionDemandTSMonthlyToRights()`, and `limitDiversionHistoricalTSMonthlyToRights()` commands.

SetStart – A DateTime that indicates the start of a data set process.

SetToMissing – Indicate whether a set command should result in missing data, rather than supplying actual data values. This is sometimes necessary to undo previous processing. See the `setCropPatternTS()` commands.

SpringFrostFlag – The spring frost flag for a crop. See the `setCropCharacteristics()` command.

SprinklerAcreage – Indicate how to adjust the sprinkler acreage for locations that are irrigated by sprinklers. See the `synchronizeIrrigationPracticeAndCropPatternTS()` command.

SprinklerAppEffMax – The sprinkler application efficiency maximum for a CU Location. See the `setIrrigationPracticeTS()` command.

SprinklerAppEffMaxCol – The column number (or name) to be read from a delimited file for `SprinklerAppEffMax` data. See the `setIrrigationPracticeTSFromList()` command.

StationID – The station identifier associated with a data item (e.g., the station ID associated with a water right). See the `fillDiversionRight()`, `fillInstreamFlowRight()`, `fillReservoirRight()`, `fillWellRight()`, `setDiversionRight()`, `setInstreamFlowRight()`, and `setWellRight()` commands.

SupplyTypeCol – The column number (or name) for supply type (e.g., `Surface` or `Ground` indicator). See the `setIrrigationPracticeTSFromList()` and `setCropPatternTSFromList()` commands.

SurfaceDelEffMax – The surface water delivery efficiency maximum for a CU Location. See the `setIrrigationPracticeTS()` command.

SurfaceDelEffMaxCol – The column number (or name) to be read from a delimited file for `SurfaceDelEffMax` data. See the `setIrrigationPracticeTSFromList()` command.

System – See Collection.

TempWtCol – The column number (or name) to be read from a delimited file for `TempWt` (temperature weight) data. See the `setCULocationsFromList()` command.

TSID – Time series identifier, which is used to uniquely identify a time series. In full notation, this consists of a string similar to the following: Location.DataSource.DataType.Interval.Scenario~InputType~InputName. In abbreviated form, the InputType and InputName are often omitted. The InputType and InputName are typically used only by read and write commands. Because a TSID may be long (especially when file names are used for the InputName), an Alias may be assigned to the time series. The TSID parameter is typically used in commands for the time series that is being processed. See also Alias.

TSID – When used as a command parameter the time series identifier indicates the time series to be processed. The TSID or alias can typically be specified. See the `setDiversionDemandTSMonthly()` and `setWellDemandTSMonthly()` commands.

Units – Units associated with a data, often time series. See the `createCropPatternTSForCULocations()` and `createIrrigationPracticeTSForCULocations()` commands.

UpstreamRiverNodeID – The river node identifier for the upstream node in an instream flow reach, for instream flow stations. See the `fillInstreamFlowStation()`, and `setInstreamFlowStation()` commands.

UseApex – Indicates whether well rights `APEX` (alternate point and exchange) data should be added to water rights when they are read. See the `fillWellStationsFromHydroBase()`, `readWellRightsFromHydroBase()`, and `setIrrigationPracticeTSFromHydroBase()` commands. See also `ReadWellRights`.

UseDiversionComments – Indicate whether diversion comments in HydroBase should be used to provide additional zero diversion values for diversion time series. See the `readDiversionHistoricalTSMonthlyFromHydroBase()` command.

UseOnOffDate – Indicate whether the `OnOff` switch value for water rights should be used to determine the appropriation date for water rights. See the `limitDiversionDemandTSMonthlyToRights()`, `limitDiversionHistoricalTSMonthlyToRights()`, and `setIrrigationPracticeTSMaxPumpingToRights()` commands.

UserName – The user name for a diversion station. See the `fillDiversionStation()` and `setDiversionStation()` commands.

UserNameCol – The column number (or name) to be read from a delimited file for `UserName` data. See the `setDiversionStationsFromList()` command.

UseStoredProcedures – Indicates whether stored procedures should be used (versus straight SQL calls). This is being used to transition HydroBase queries to stored procedures. See the `openHydroBase()` command.

UseType – The water use type (e.g., to indicate agriculture) for a diversion station. See the `fillDiversionStation()`, `fillWellStation()`, `setDiversionStation()`, and `setWellStation()` commands.

UseTypeCol – The column number (or name) to be read from a delimited file for `UseType` data. See the `setDiversionStationsFromList()` and `setWellStationsFromList()` commands.

Version – Indicates the file version, to allow the software to handle different data formats. See the `readCropPatternTSFromStateCU()`, `readIrrigationPracticeTSFromStateCU()`, `readStateModB()`, `writeBlaneyCriddleToStateCU()`, `writeCropCharacteristicsToStateCU()`, `writeCULocationsToStateCU()`, and `writeIrrigationPracticeTSToStateCU()` commands.

Weights – Station weights. See the `fillCULocationClimateStationWeights()` and `setCULocation()` commands.

WorkingDir – The working directory for the software, which can be used with relative paths to form absolute paths to files. See the `setWorkingDir()` command.

WriteCropArea – Indicate whether to write the crop area in addition to the percent, for the crop pattern time series file. See the `writeCropPatternTSToStateCU()` commands.

WriteOnlyTotal – Indicate whether to write only the total crop area for the crop pattern time series file. See the `writeCropPatternTSToStateCU()` commands.

WriteHow – Indicate how to write an output file (update or overwrite). See the `write*()` commands.

Year – Specify year(s) of interest. For example, when processing data related to wells, the year is used to indicate the year for parcel data. See the `fillWellStationsFromHydroBase()`, `readIrrigationPracticeTSFromHydroBase()`, `readWellRightsFromHydroBase()`, `setIrrigationPracticeTSFromHydroBase()`, `setIrrigationPracticeTSSprinklerAreaFromList()`, `setWellAggregate()`, `setWellSystem()`, and `setWellSystemFromList()` commands.

YearCol – The column number (or name) to be read from a delimited file for `Year` data. See the `setIrrigationPracticeTSFromList()` command.