

Command Reference: FillDiversiionStation()

Fill diversion station data

StateMod Command

Version 3.09.01, 2010-02-01

The FillDiversiionStation() command fills missing data in existing diversion stations. The following dialog is used to edit the command and illustrates the syntax of the command.

Edit FillDiversiionStation() Command

This command fills missing data in diversion station(s), using the diversion station ID to look up the location.
The station ID can contain a * wildcard pattern to match one or more locations.
Use blanks in the any field to indicate no change to the existing value.
Monthly efficiencies should be separated by commas, with January first.
Returns should be specified as triplets of location, percent, and return table ID:
08123456,50.0,1;08234567,50.0,2

Diversion station ID:	*	Required - ID for stations to fill (use * for wildcard)
Name:		Optional - up to 24 characters for StateMod.
River node ID:	ID	Optional - the river node identifier, or "ID" to use the station ID.
On/Off:		Optional - is station on/off in data set?
Capacity:	999	Optional - diversion capacity, CFS.
Replacement Res. Option:	-1 - Provide depletion replacement	Optional - replacement reservoir option.
Daily ID:	4	Optional - the daily identifier, "ID", or StateMod flag).
User name:		Optional - specify the user name.
Demand type:	1 - Monthly total demand	Optional - monthly demand time series type.
Irrigated acres:		Optional - typically for the most recent year.
Use type:	1 - Irrigation	Optional - water use type.
Demand source:	2 - Irrigated acres from structure file (tia)	Optional - water demand source.
Efficiency (Annual):	50	Optional - annual efficiency, percent (ignore if setting monthly).
Efficiencies (Monthly):		Optional - percent, annual is recomputed as average.
Returns (optional):		
If not found:		Optional - indicate action if no match is found.
Command:	FillDiversiionStation (ID="*",RiverNodeID="ID",Capacity=999,ReplaceResOption=-1,DailyID="4",DemandType=1,UseType=1,DemandSource=2,EffAnnual=50)	

OK

Cancel

FillDiversiionStation

FillDiversiionStation() Command Editor

The command syntax is as follows:

```
FillDiversionStation(Parameter=Value,...)
```

Command Parameters

Parameter	Description	Default
ID	A single diversion station identifier to match or a pattern using wildcards (e.g., 20*).	None – must be specified.
Name	The name to be assigned for all matching diversion stations with missing name.	If not specified, the original value will remain.
RiverNodeID	The river node identifier to be assigned for all matching diversion stations with missing river node identifier. Specify ID to assign to the diversion station identifier.	If not specified, the original value will remain.
OnOff	The on/off switch value to be assigned for all matching diversion stations with missing switch, either 1 for on or 0 for off.	If not specified, the original value will remain.
Capacity	The diversion station capacity to be assigned for all matching diversion stations with missing capacity, CFS.	If not specified, the original value will remain.
ReplaceResOption	The replacement reservoir option to be assigned for all matching diversion stations with missing option, as per the StateMod documentation.	If not specified, the original value will remain.
DailyID	The daily identifier to be assigned for all matching diversion stations with missing daily identifier.	If not specified, the original value will remain.
UserName	The diversion user name (owner) to be assigned for all matching diversion stations with missing user name.	If not specified, the original value will remain.
DemandType	The demand type to be assigned for all matching diversion stations with missing demand type (see StateMod documentation).	If not specified, the original value will remain.
IrrigatedAcres	The irrigated acres to be assigned for all matching diversion stations with missing irrigated acres.	If not specified, the original value will remain.
UseType	The use type to be assigned for all matching diversion stations with missing user type (see StateMod documentation).	If not specified, the original value will remain.
DemandSource	The demand source to be assigned for all matching diversion stations with missing demand source (see StateMod documentation).	If not specified, the original value will remain.
EffAnnual	The annual efficiency (percent, 0 - 100) to be assigned for all matching diversion stations with missing annual efficiency (see StateMod documentation). Monthly efficiencies will be set to the same value (but not used).	If not specified, the original value will remain.
EffMonthly	The monthly efficiencies (percent, 0 – 100) to be assigned for all matching diversion stations with missing data, specified as 12 comma-separated values, January to December. The annual efficiency will be set to the average value. The	If not specified, the original value will remain.

Parameter	Description	Default
	order of the values in the output file will be according to the output year type set by <code>setOutputYearType()</code> , or calendar by default.	
Returns	The return flows to be assigned for all matching diversion stations with missing returns. Specify as <code>StationID, Percent, DelayTableID; StationID, Percent, DelayTableID; etc.</code>	If not specified, the original value will remain.
IfNotFound	Used for error handling, one of the following: <ul style="list-style-type: none">• Fail – generate a failure message if the ID is not matched• Ignore – ignore (don't add and don't generate a message) if the ID is not matched• Warn – generate a warning message if the ID is not matched	Warn

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