

# Command Reference: SetDiversionStation()

## Set diversion station data

### StateMod Command

Version 3.09.01, 2010-02-01

The `SetDiversionStation()` command sets data in existing diversion stations or adds a new diversion station. The following dialog is used to edit the command and illustrates the syntax of the command.

**Edit SetDiversionStation() Command**

This command sets (edits) 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.  
If the station ID does not contain a \* wildcard pattern and does not match an ID, the location will be added if the "If not found" parameter is set to Add.  
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:	<input type="text" value="360784"/>	Required - ID for stations to fill (use * for wildcard)
Name:	<input type="text"/>	Optional - up to 24 characters for StateMod.
River node ID:	<input type="text"/>	Optional - the river node identifier, or "ID" to use the station ID.
On/Off:	<input type="button" value="v"/>	Optional - is station on/off in data set?
Capacity:	<input type="text"/>	Optional - diversion capacity, CFS.
Replacement Res. Option:	<input type="button" value="v"/>	Optional - replacement reservoir option.
Daily ID:	<input type="text"/>	Optional - the daily identifier, "ID", or StateMod flag).
User name:	<input type="text"/>	Optional - specify the user name.
Demand type:	<input type="button" value="v"/>	Optional - monthly demand time series type.
Irrigated acres:	<input type="text"/>	Optional - typically for the most recent year.
Use type:	<input type="button" value="v"/>	Optional - water use type.
Demand source:	<input type="button" value="6 - Municipal, industrial, or transmountain structure"/>	Optional - water demand source.
Efficiency (Annual):	<input type="text"/>	Optional - annual efficiency, percent (ignore if setting monthly).
Efficiencies (Monthly):	<input type="text" value="10,12,14,44,55,62,61,56,44,26,0,10"/>	Optional - percent, annual is recomputed as average.
Returns (optional):	<input type="text"/>	
If not found:	<input type="button" value="Warn"/>	Optional - indicate action if no match is found.
Command:	<pre>SetDiversionStation ( ID="3 60784", DemandSource=6, EffMonthly="10, 12, 14, 44, 55, 62, 61, 56, 44, 26, 0, 10", IfNotFound=Warn)</pre>	

OK Cancel

SetDiversionStation

### SetDiversionStation() Command Editor

The command syntax is as follows:

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

**Command Parameters**

<b>Parameter</b>	<b>Description</b>	<b>Default</b>
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.	If not specified, the original value will remain.
RiverNodeID	The river node identifier to be assigned for all matching diversion stations. 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, either 1 for on or 0 for off.	If not specified, the original value will remain.
Capacity	The diversion station capacity, CFS.	If not specified, the original value will remain.
ReplaceResOption	The replacement reservoir 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.	If not specified, the original value will remain.
UserName	The diversion user name (owner).	If not specified, the original value will remain.
DemandType	The demand type to be assigned for all matching diversion stations (see StateMod documentation).	If not specified, the original value will remain.
IrrigatedAcres	The irrigated acres to be assigned for all matching diversion stations.	If not specified, the original value will remain.
UseType	The use type to be assigned for all matching diversion stations (see StateMod documentation).	If not specified, the original value will remain.
DemandSource	The demand source to be assigned for all matching diversion stations (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 (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, specified as 12 comma-separated values, January to December. The annual efficiency will be set to the average value. The order of the values in the output file will be according to the output year type set by SetOutputYearType(), or calendar by default.	If not specified, the original value will remain.

Parameter	Description	Default
Returns	The return flows to be assigned for all matching diversion stations. Specify as StationID, Percent, DelayTableID; StationID, Percent, DelayTableID; etc.	If not specified, the original value will remain.
IfNotFound	Used for error handling, one of the following: <ul style="list-style-type: none"><li>• Add – add the diversion station if the ID is not matched and is not a wildcard</li><li>• Fail – generate a failure message if the ID is not matched</li><li>• Ignore – ignore (don't add and don't generate a message) if the ID is not matched</li><li>• Warn – generate a warning message if the ID is not matched</li></ul>	Warn

This page is intentionally blank.