

# Command Reference: SetWellStation()

## Set well station data

### StateMod Command

Version 3.09.01, 2010-02-01

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

Edit SetWellStation() Command

This command sets (edits) data in well station(s), using the well 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 and depletions should be specified as triplets of location, percent, and return table ID:  
08123456,50.0,1;08234567,50.0,2

Well station ID:	0102522_AuW	Required - ID for stations to fill (use * for wildcard)
Name:	RIVERSIDE Aug Well	Optional - up to 24 characters for StateMod.
River node ID:	0102522_AuW	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:	999.	Optional - well capacity, CFS.
Daily ID:	4	Optional - the daily identifier, "ID", or StateMod flag.
Admin Num. Shift:	0 - Use water right priorities	Optional - shift for well station right administration number.
Diversion station ID:	NA	Optional - diversion station this well supplements (use "ID" to use the well station ID).
Demand type:	1 - Monthly total demand	Optional - monthly demand time series type.
Irrigated acres:	0.0	Optional - typically for the most recent year.
Use type:	5 - Other	Optional - water use type.
Demand source:	8 - Irrigated acres provided by user	Optional - water demand source.
Efficiency (Annual):	100.0	Optional - annual efficiency, percent (ignore if setting monthly).
Efficiencies (Monthly):		Optional - percent, annual is recomputed as average.
Returns (optional):	06759910,100.0,1	
Depletions (optional):	06759910,100.0,2	
If not found:	Add	Optional - indicate action if no match is found.
Command:	<pre>SetWellStation(ID="0102522_AuW",Name="RIVERSIDE Aug Well",RiverNodeID="0102522_AuW",Capacity=999.,DailyID="4",AdminNumShift=0,DiversionID="NA",DemandType=1,IrrigatedAcres=0.0,UseType=5,DemandSource=8,EffAnnual=100.0&gt;Returns="06759910,100.0,1",Depletions="06759910,100.0,2",IfNotFound=Add)</pre>	

SetWellStation

## SetWellStation() Command Editor

The command syntax is as follows:

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

### Command Parameters

Parameter	Description	Default
ID	A single well 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 well stations.	If not specified, the original value will remain.
RiverNodeID	The river node identifier to be assigned for matching well stations. Specify ID to set to the well station identifier.	If not specified, the original value will remain.
OnOff	The on/off switch value to be assigned for all matching well stations, either 1 for on or 0 for off.	If not specified, the original value will remain.
Capacity	The well station capacity, CFS.	If not specified, the original value will remain.
DailyID	The daily identifier to be assigned for all matching well stations. Specify ID to set to the well station identifier.	If not specified, the original value will remain.
AdminNumShift	For all matching well stations, a shift to be applied to the administration number for well rights. See the “primary” flag in the StateMod well station documentation.	If not specified, the original value will remain.
DiversionID	For all matching well stations, the diversion station identifier associated with the well station. Typically, where well water supplements surface supply, one well station is assigned to the diversion station. Specify ID to assign to the well station identifier.	If not specified, the original value will remain.
DemandType	The demand type to be assigned for all matching well stations (see StateMod documentation).	If not specified, the original value will remain.
IrrigatedAcres	The irrigated acres to be assigned for all matching well stations.	If not specified, the original value will remain.
UseType	The use type to be assigned for all matching well stations (see StateMod documentation).	If not specified, the original value will remain.
DemandSource	The demand source to be assigned for all matching well stations (see StateMod documentation).	If not specified, the original value will remain.
EffAnnual	The annual efficiency (percent, 0 - 100) to be assigned for matching well stations. Monthly efficiencies will be set to the same value (but not used).	If not specified, the original value will remain.

Parameter	Description	Default
EffMonthly	The monthly efficiencies (percent, 0 – 100) to be assigned for all matching well 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 <code>setOutputYearType()</code> , or calendar by default.	If not specified, the original value will remain.
Returns	The return flows to be assigned for all matching well stations. Specify as <code>StationID, Percent, DelayTableID; StationID, Percent, DelayTableID</code> etc.	If not specified, the original value will remain.
Depletions	The depletions to be assigned for all matching well stations. Specify as <code>StationID, Percent, DelayTableID; StationID, Percent, DelayTableID</code> 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 well 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

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