## Command Reference: SetWellSystem()

## Set well system parts

## StateCU and StateMod Command

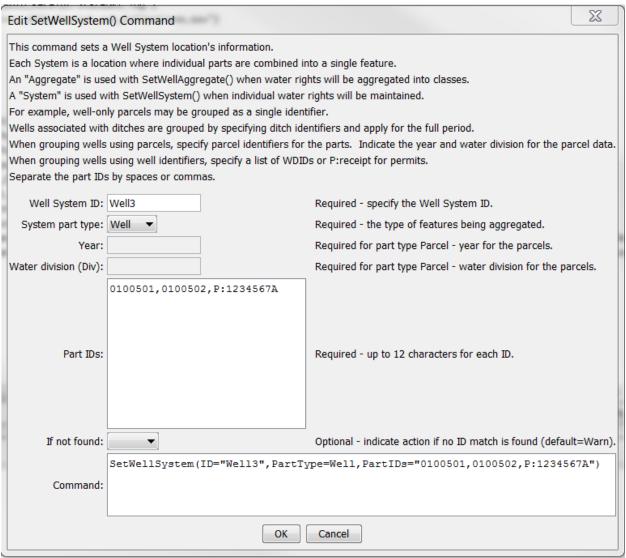
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The SetWellSystem() command sets well system part identifier data for a well (a CU Location that corresponds to a location with well supply, or StateMod well station). Well systems are specified using a list of part identifiers as follows:

- Part type is Ditch the collection includes wells that are associated with a list of ditches, identified using ditch water district identifiers (WDIDs). The list of ditches is used for the full period.
- Part type is Parcel the collection includes wells that are associated with a list of parcels. The
  division and year must be specified in the command because well to parcel relationships are
  determined for specific years.
- Part type is Well the collection includes wells identified by well WDID or well permit "receipt". Receipts should be specified with a leading P: (e.g., P:1234567A) in which case the leading P: will be stripped and the remainder used for the receipt during processing. The internal part ID type will be set to WDID or Receipt, as appropriate.

To facilitate processing, it is often best to use list files to specific aggregates (see SetWellSystemFromList()). Systems by convention have their water rights fully represented in output – to aggregate water rights at a location, use an aggregate (see the similar Aggregate commands). See also the StateDMI Introduction chapter, which provides additional information about aggregates and other modeling conventions. System information should be specified after well locations are defined and before their use in other processing, such as reading data from HydroBase.

The following dialog is used to edit the command and illustrates the syntax of the command.



SetWellSystem() Command Editor

SetWellSystem

The command syntax is as follows:

SetWellSystem (Parameter=Value,...)

## **Command Parameters**

Parameter	Description	Default
ID	The well identifier to associate with the collection of individual wells.	None – must be specified.
PartType	<ul> <li>Indicate the type of features being aggregated and specified by PartIDs, one of:         <ul> <li>Ditch - the PartIDs (ditch WDIDs) indicate ditch service areas supplemented by wells.</li> <li>Parcel - the PartIDs (parcel numbers from GIS processing) indicate parcels irrigated by wells, with no surface water supply.</li> <li>Well - the PartIDs indicate wells (WDIDs or permit receipts), with no surface water supply. Include P: at the start of receipt identifiers.</li> </ul> </li> </ul>	None – must be specified.
Year	The year defining the parcels.	Required when PartType is Parcel because parcel identifiers from well matching are specific to the data year.
Div	Water division for the parcels in the system.	Required when PartType is Parcel because parcels require the division.
PartIDs	The list of part identifiers to comprise the system.	None – must be specified.
IfNotFound	<ul> <li>Used for error handling, one of the following:</li> <li>Fail – generate a failure message if the identifier is not matched</li> <li>Ignore – ignore (don't add and don't generate a message) if the identifier is not matched</li> <li>Warn – generate a warning message if the identifier is not matched</li> </ul>	Warn

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