# Command Reference: SetWellAggregateFromList()

## Set well aggregate parts from data in a list file

#### StateCU and StateMod Command

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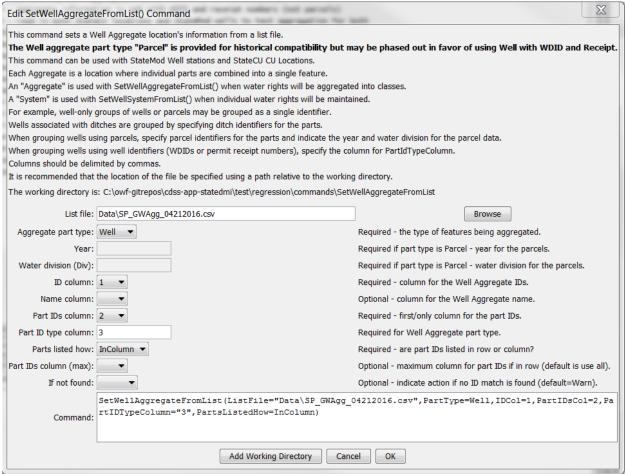
The SetWellAggregateFromList() command sets well aggregate part identifier data for a well (a CU Location that corresponds to a location with well supply, or StateMod well station). Well aggregates are specified using a list of part identifiers as follows:

- 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. The PartIdTypeColumn parameter must be specified to indicate the part ID type.

To facilitate processing, the list of parts is specified in a delimited list file. Aggregates by convention have their water rights grouped into classes – to represent all water rights at a location, use a system (see the similar System commands). See also the StateDMI **Introduction** chapter, which provides additional information about aggregates and other modeling conventions. Aggregate information should be specified after well locations are defined and before their use in other processing, such as reading data from HydroBase.

The SetWellSystemFromList() command is often used instead of the SetWellAggregateFromList() command if specific well rights are referred in augmentation plans (therefore the examples shown below are contrived).

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



### SetWellAggregateFromList() Command Editor

SetWellAggregateFromList

The command syntax is as follows:

SetWellAggregateFromList(Parameter=Value,...)

#### **Command Parameters**

Parameter	Description	Default
ListFile	The name of the input file to read,	None – must be specified.
	surrounded by double quotes.	
PartType	Indicate the type of features being	None – must be specified.
	aggregated and specified by PartIDs,	
	one of:	
	• Ditch - the PartIDs (ditch	
	WDIDs) indicate ditch service areas	
	supplemented by wells.	
	• Parcel - the PartIDs (parcel	
	numbers from GIS processing)	

Parameter	Description	Default
	<ul> <li>indicate parcels irrigated by wells, with no surface water supply.</li> <li>Well-the PartIDs indicate wells (WDIDs), with no surface water supply.</li> </ul>	
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 aggregate.	Required when PartType is Parcel because parcels require the division.
IDCol	The column number (1+) containing the aggregate well identifiers.	None – must be specified.
NameCol	The column number (1+) containing the aggregate well name.	None – optional (name will remain as before).
PartIDsCol	The column number (1+) for the first column having part identifiers.	None – must be specified.
PartIdTypeColumn	The column number (1+) or name for the column having part ID type. Recognized values in the column cells are WDID to indicate water district identifier and Receipt indicating a well permit receipt. Values are not case-sensitive.	Required when specifying system using Well part type.
PartsListedHow	If InRow, it is expected that all parts defining an aggregate are listed in the same row. If InColumn, it is expected that the parts defining an aggregate are listed one per row, with multiple rows defining the full aggregate (PartIDsColMax is ignored in this case).	None – must be specified.
PartIDsColMax	The column number (1+) for the last column having part identifiers. Use if extra columns on the right need to be excluded from the list.	Use all available non-blank columns starting with PartIDsCol.
IfNotFound	Used for error handling, one of the following:  • Fail – generate a failure message if the aggregate identifier is not matched  • Ignore – ignore (don't add and don't generate a message) if the aggregate identifier is not matched  • Warn – generate a warning message if the aggregate identifier is not matched	Warn

The following example illustrates a list file is used with PartType=Parcel and PartsListedHow=InColumn:

```
"UZONES", "PARCEL"
20URF0,16831
20URF0,16832
20URF0,16834
...
20URF0,18606
20URF24,10295
20URF24,10318
...
```

The following example illustrates a list file is used with PartType=Ditch and PartsListedHow=InColumn, with the name being provided in column 2:

```
# Aggregate_ID/Agg_Name/WDID
01_ADP037,South Platte River below Kersey Co North 2,0100643
01_ADP037,South Platte River below Kersey Co North 2,0100644
01_ADP037,South Platte River below Kersey Co North 2,0100835
01_ADP037,South Platte River below Kersey Co North 2,0104486
```

The following example illustrates a list file for PartType=Well and PartsListedHow=InColumn, with the part ID type specified in column 2, and part ID type in column 3:

```
# List file created by intersecting the well coverages (that are included in the CDSS
# irrigated acreage GDB) with the GW Aggregate Coverage,
# removing duplicates, and limiting the list to only wells tied to a GW only irrigated
# parcel in any of the acreage snapshots.
# Files/versions used include:
# HydroBase CO 20160407
# SPDSS GIS Coverages 3/30/2016
# Aggregate 03 2008.shp
#GWID, WELL ID, ID TYPE
01 AWP022,0000072A,RECEIPT
01 AWP022,0000218A, RECEIPT
01 AWP012,0003643,RECEIPT
01 AWP022,0004850C, RECEIPT
03 AWP001,0013828,RECEIPT
01 AWP003,0105001,WDID
01 AWP003,0105003,WDID
01 AWP002,0105005,WDID
01 AWP002,0105006,WDID
01 AWP027,0105012,WDID
```