
Command Reference: SetWellAggregate ()

Set well aggregate parts

StateCU and StateMod Command

Version 3.09.00, 2010-01-21

The `SetWellAggregate()` 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 (permit receipt number is not supported).

To facilitate processing, it is often best to use list files to specific aggregates (see `SetWellAggregateFromList()`). 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 following dialog is used to edit the command and illustrates the syntax of the command.

Edit SetWellAggregate() Command
✕

This command sets a Well Aggregate location's information.
 Each Aggregate is a location where individual parts are combined into a single feature.
 An "Aggregate" is used with SetWellAggregate() when water rights will be aggregated into classes.
 A "System" is used with SetWellSystem() when individual water rights will be maintained.
 For example, well-only parcels may be grouped as a single identifier.
 Wells associated with ditches are grouped by specifying ditch identifiers and apply for the full period.
 When grouping wells using parcels, specify parcel identifiers for the parts. Indicate the year and water division for the parcel data.
 When grouping wells using well identifiers, specify a list of WDIDs or P:receipt for permits.
 Separate the part IDs by spaces or commas.

| | | |
|-----------------------|--|--|
| Well Aggregate ID: | 0102522_AuW | Required - specify the Well Aggregate ID. |
| Aggregate part type: | Ditch ▼ | Required - the type of features being aggregated. |
| Year: | | Required for part type + __command._Parcel + - year for the parcels. |
| Water division (Div): | | Required for part type Parcel - water division for the parcels. |
| Part IDs: | 108090, 108093, 108095, 108092, 0108091 | Required - up to 12 characters for each ID. |
| If not found: | ▼ | Optional - indicate action if no ID match is found (default=Warn). |
| Command: | SetWellAggregate (ID="0102522_AuW", PartType=Ditch, PartIDs="108090, 108093, 108095, 108092, 0108091") | |

OK
Cancel

SetWellAggregate

SetWellAggregate() Command Editor

The command syntax is as follows:

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

Command Parameters

| Parameter | Description | Default |
|------------|--|---|
| ID | The well identifier to associate with the collection of individual wells. | None – must be specified. |
| PartType | Indicate the type of features being aggregated and specified by PartIDs, one of: <ul style="list-style-type: none"> Ditch – the PartIDs (ditch WDIDs) indicate ditch service areas supplemented by wells. Parcel – the PartIDs (parcel numbers from GIS processing) indicate parcels irrigated by wells, with no surface water supply. Well – the PartIDs indicate wells (WDIDs), with no surface water supply. | 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 aggregate. | Required when PartType is Parcel because parcels require the division. |
| PartIDs | The list of part identifiers to comprise the aggregate. See the PartType description above. | None – must be specified. |
| IfNotFound | Used for error handling, one of the following: <ul style="list-style-type: none"> Fail – generate a failure message if the identifier is not matched Ignore – ignore (don't add and don't generate a message) if the identifier is not matched Warn – generate a warning message if the identifier is not matched | Warn |

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