

# Command Reference: SetReservoirAggregateFromList()

Set reservoir aggregate parts from data in a list file

**StateMod Command**

Version 3.09.01, 2010-02-01

The `SetReservoirAggregateFromList()` command reads reservoir aggregate part identifier data from a list file and saves the information for the reservoir. Aggregate reservoirs are defined as a combination of other reservoirs and may be used, for example, to aggregate stock ponds or other small reservoirs. Using a list file to define the aggregate allows the aggregate list to be shared between different commands files, minimizing errors. This command should be specified before commands that need aggregate information during processing (e.g., those that read data from HydroBase). The following dialog is used to edit the command and illustrates the syntax of the command.

**Edit SetReservoirAggregateFromList() Command**

This command sets a Reservoir Aggregate location's information from a list file.  
Each Aggregate is a location where individual parts are combined into a single feature.  
An "Aggregate" is used with SetReservoirAggregateFromList() when water rights will be aggregated into classes.  
A "System" is used with SetReservoirSystemFromList() when individual water rights will be maintained.  
For example, multiple nearby or related reservoirs may be grouped as a single identifier.  
When grouping reservoirs, specify the reservoir station IDs for the parts in the list file.  
Columns should be delimited by commas.  
It is recommended that the location of the file be specified using a path relative to the working directory.  
The working directory is: C:\Develop\StateDMI\_SourceBuild\StateDMI\test\regression\UserManualRef\SetReservoirAggregate

List file:

ID column:  Required - column for the Reservoir Aggregate IDs.

Name column:  Optional - column for the Reservoir Aggregate name.

Part IDs column:  Required - first/only column for the part IDs.

Parts listed how:  Required - are part IDs listed in row or column?

Part IDs column (max):  Optional - maximum column for part IDs if in row (default is use all).

If not found:  Optional - indicate action if no ID match is found (default=Warn).

Command: 

```
SetReservoirAggregateFromList (ListFile="rg2007-aggres.csv", IDCol=1, PartIDSCol=2, PartsListedHow=InRow)
```

SetReservoirAggregateFromList

**SetReservoirAggregateFromList() Command Editor**

The command syntax is as follows:

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

### Command Parameters

Parameter	Description	Default
ListFile	The name of the input file to read, surrounded by double quotes.	None – must be specified.
IDCol	The column number (1+) containing the aggregate reservoir identifiers.	None – must be specified.
NameCol	The column number (1+) containing the aggregate reservoir name.	None – optional (name will be initialized to blank).
PartIDsCol	The column number (1+) for the first column having part identifiers.	None – must be specified.
PartIDsColMax	The column number (1+) for the last column having part identifiers.	Use all available columns.
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.
IfNotFound	Used for error handling, one of the following: <ul style="list-style-type: none"> <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

An example list file is shown below:

```
#
# Aggregate Reservoirs
20ARW01,203531,203533,203534,203535,203537,203540,203542,203543,203544,203545,203546
21ARW01,213584,213585,213586,213587,213589,217001
22ARW01,223301,223302,223303,223304,223305,223578,223580,223581,223583,223584
22ARW02,223575
24ARW01,243579,243580
25ARW01,250728,250729,250730,250731,253500,253501,253502,253503,253504,253505,253506
26ARW01,260721,260722,260723,260724,260725,263300,263581,263583,263584,263585,263586
27ARW01,273301,273303,273304,273305,273306,273307,273308,273309,273310,273311,273312
...
```