

Command Reference: SetDiversiionMultiStruct()

Set diversion MultiStruct parts

StateCU and StateMod Command

Version 3.09.01, 2010-02-01

The `SetDiversiionMultiStruct()` command sets diversion MultiStruct part identifier data for a diversion (a CU Location or StateMod diversion station). A diversion MultiStruct indicates that multiple diversion stations take water from more than one tributary but irrigate the same lands. Each diversion station is included in the model network and retains its normal capacity and historical diversions; however, average efficiencies are calculated using the combined demand and historical diversion time series. The demands for the primary structure (the first listed) are set to the total demands, with demands for secondary stations being set to zero. Diversion MultiStruct definition commands are required only when processing the demand time series. The following dialog is used to edit the command and illustrates the syntax of the command.

Edit SetDiversiionMultiStruct() Command

This command sets a Diversion MultiStruct location's information.
A "MultiStruct" is used when demands are met using water from different tributaries.
Each diversion station is represented in the model network
and the historical water rights and diversion time series are distinct for each diversion station.
However, the efficiencies are estimated using combined demand and historical diversion time series,
and total demands are used for the primary structure, with zero demands on the other structure(s).
Operating rules are used to handle sharing diversion water.
The primary ID will receive all demands.
Separate the part IDs by spaces or commas.

Diversion MultiStruct ID:

20MS02

Required - specify the Diversion MultiStruct ID.

Part IDs:

200516,200613,201004

Required - up to 12 characters for each ID.

If not found:

Optional - indicate action if no ID match is found (default=Warn).

Command:

SetDiversiionMultiStruct (ID="20MS02", Part IDs="200516,200613,201004")

OK

Cancel

SetDiversiionMultiStruct

SetDiversiionMultiStruct() Command Editor

The command syntax is as follows:

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

Command Parameters

Parameter	Description	Default
ID	The diversion identifier to associate with the MultiStruct part identifiers.	None – must be specified.
PartIDs	The list of part identifiers to comprise the MultiStruct, separated by commas and/or spaces. The first identifier is the primary diversion station, and the others are secondary stations.	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 MultiStruct 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