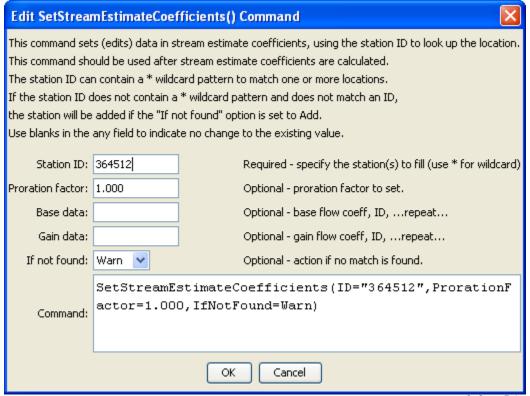
Command Reference: SetStreamEstimateCoefficients()

Set stream estimate coefficients data

StateMod Command

Version 3.09.01, 2010-02-01

The SetStreamEstimateCoefficients() command sets data in existing stream estimate coefficients – the previous values will be overwritten. If base or gain data are specified, the original values will be replaced (not appended). The following dialog is used to edit the command and illustrates the syntax of the command.



SetStreamEstimateCoefficients() Command Editor

SetStreamEstimateCoefficients

The command syntax is as follows:

SetStreamEstimateCoefficients(Parameter=Value,...)

Command Parameters

Parameter	Description	Default
ID	A single stream estimate station identifier to match or a	None – must be
	pattern using wildcards (e.g., 20*).	specified.
Proration Factor	The proration factor for all matching stream estimate	If not specified, the
	stations.	original value will

Parameter	Description	Default
		remain.
BaseData	The base flow coefficient and station ID pairs to be assigned for all matching stream estimate stations. Repeat for as many pairs as necessary, separated by commas.	If not specified, the original value will remain.
GainData	The gain flow coefficient and station ID pairs to be assigned for all matching stream estimate stations. Repeat for as many pairs as necessary, separated by commas.	If not specified, the original value will remain.
IfNotFound	 Used for error handling, one of the following: Add – add the stream estimate coefficients if the ID is not matched and is not a wildcard Fail – generate a failure message if the ID is not matched Ignore – ignore (don't add and don't generate a message) if the ID is not matched Warn – generate a warning message if the ID is not matched 	Warn

The following command file illustrates how a StateMod stream estimate coefficients file can be created:

```
StartLog(LogFile="rib.commands.StateDMI.log")
# rib.commands.StateDMI
# Creates the Stream Estimate Station Coefficient Data file
  Step 1 - read river nodes from the network file and create file framework
ReadStreamEstimateStationsFromNetwork(InputFile="..\Network\cm2005.net")
  Step 2 - set preferred gages for "neighboring" gage approach
#
            this baseflow nodes are generally on smaller non-gaged tribs and have
#
            different flow characteristics than next downstream gages
SetStreamEstimateCoefficientsPFGage(ID="360645",GageID="09055300")
...similar commands omitted...
# Step 3 - calculate stream coefficients
CalculateStreamEstimateCoefficients()
# Step 4 - set proration factors directly
SetStreamEstimateCoefficients(ID="364512", ProrationFactor=1.000, IfNotFound=Warn)
...similar commands omitted...
  Step 5 - create streamflow estimate coefficient file
WriteStreamEstimateCoefficientsToStateMod(OutputFile="..\StateMOD\cm2005.rib")
# Check the results
CheckStreamEstimateCoefficients(ID="*")
WriteCheckFile(OutputFile="rib.commands.StateDMI.check.html")
```