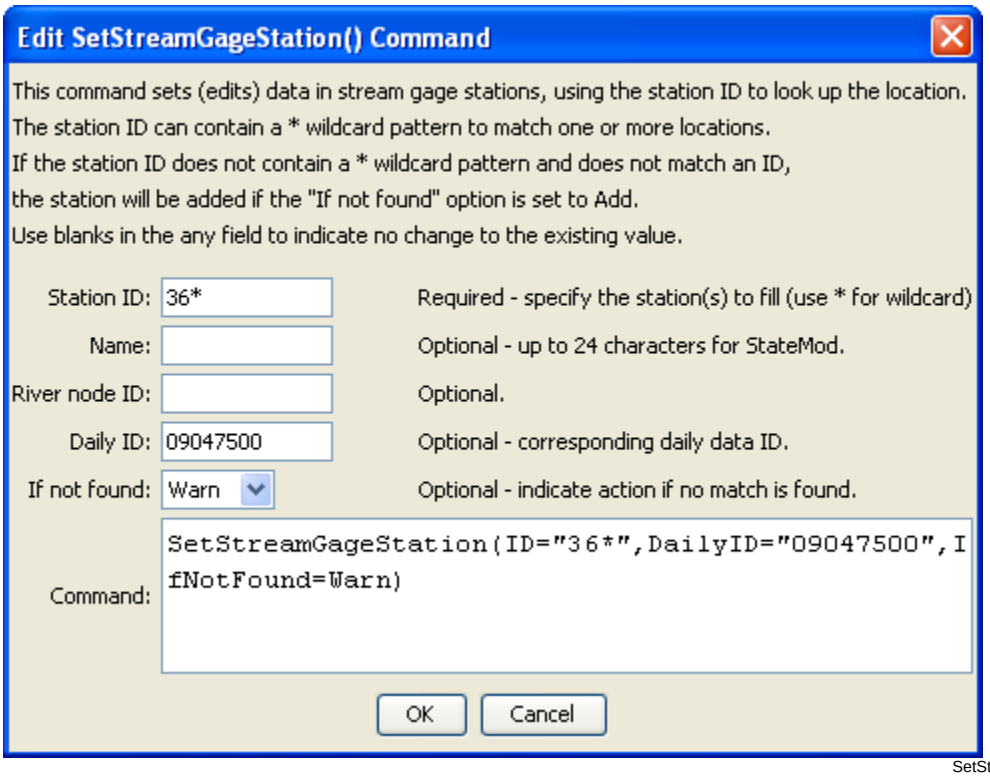
Command Reference: SetStreamGageStation()

Set stream gage station data

StateMod Command

Version 3.09.01, 2010-02-01

The `SetStreamGageStation ()` command sets data in existing stream gage stations or adds a new stream gage station. The following dialog is used to edit the command and illustrates the syntax of the command.



SetStreamGageStation

SetStreamGageStation() Command Editor

The command syntax is as follows:

```
SetStreamGageStation(Parameter=Value,…)
```

Command Parameters

Parameter	Description	Default
`ID`	A single stream gage station identifier to match or a pattern using wildcards (e.g., `20*`).	None – must be specified.
`Name`	The name to be assigned for all matching stream gage stations.	If not specified, the original value will remain.
`RiverNodeID`	The river node identifier to be assigned for all matching stream gage stations.	If not specified, the original value will remain.

Parameter	Description	Default
DailyID	The daily identifier to be assigned for all matching stream gage stations.	If not specified, the original value will remain.
IfNotFound	Used for error handling, one of the following: • Add – add the stream gage station 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 example command file illustrates the commands used to read stream gage stations from the network and create a StateMod file:

```
StartLog(LogFile="ris.commands.StateDMI.log")
# ris.commands.StateDMI
#
# StateDMI command file to create streamflow station file for the Colorado River
#
#  Step 1 - read streamgages and baseflows ids from the network file
#
ReadStreamGageStationsFromNetwork(InputFile="..\Network\cm2005.net",
  IncludeStreamEstimateStations="True")
#
#  Step 2 - read baseflow nodes names from HydroBase,
#           fill in missing names from the network file
#
FillStreamGageStationsFromHydroBase(ID="*",NameFormat=StationName,CheckStructures=True)
FillStreamGageStationsFromNetwork(ID="*",NameFormat="StationName")
#
#  Step 3 - set streamgage station to use to disaggregate monthly baseflows to daily
#
#  add set daily pattern gages for WD 36
SetStreamGageStation(ID="36*",DailyID="09047500",IfNotFound=Warn)
…many similar commands omitted…
#
#  Step 4 - create streamflow station file
#
WriteStreamGageStationsToStateMod(OutputFile="..\StateMod\cm2005.ris")
#
# Check the results
CheckStreamGageStations(ID="*")
WriteCheckFile(OutputFile="ris.commands.StateDMI.check.html")
```