

V.3.3-RES-SNGL-SPEC-BACKFLOW SINGLE RESERVOIR REGULATION OPERATION
UTILITY BACK-COMPUTED INFLOW

Purpose

Utility BACKFLOW is used to adjust the simulated inflow using observed pool elevation and observed mean daily discharge values.

Input Summary

<u>Keyword</u>	<u>Definition and Format</u>
BACKFLOW <u>1</u> /	Input opening keyword for utility
TIME-SERIES <u>2</u> /	Time series input opening keyword
OBSQ	Observed mean discharge time-series: <ul style="list-style-type: none">- data time interval = 24 hours- dimensions = L3- units = CMSD- missing values are allowed
OBSH	Observed pool elevation time series: <ul style="list-style-type: none">S data time interval = multiple of Operation data time interval- dimension = L- units = M- missing values are allowed
[NEWQ]	Adjusted inflow time series: <ul style="list-style-type: none">S data time interval = multiple of Operation data time interval- dimension = L3/T- units = CMS- no missing values allowed
<u>ENDTS</u>	Ending keyword for time series input
[<u>CARRYOVER</u>]	Carryover input opening keyword
[<u>ELEV</u>]	Pool elevation one period before start of run (only if CARRYOVER entered): <ul style="list-style-type: none">- real, positive value- within bounds of elevation vs. storage curve- default is general carryover pool elevation one period back
[<u>ENDCO</u>]	Ending keyword for carryover input (only needed if CARRYOVER entered)
ENDBACK	Ending keyword for utility input

Notes:

- 1/ No parameters are needed for this utility.
- 2/ See 'Time Series Definition' in Section V.3.3-RES-SNGL-SPEC.