

**H-2 \$CL-Record - Closed Loop (optional)**

The Command-Record which instructs the program to form segments into an Island Flow or a Distributary Network. In the example below, the initial estimate of the water discharge in Segment 1 is 70 % of the discharge at the control point. This value is only used for the first trial. The program calculates a new value during each trial.

Beginning with Version 5.13.19 dated July 10, 2002, it is permissible to enter the \$CL-Record multiple times in the hydrograph. Some problems require changing the value of IDWAX from one option to another.

Please note: Do not use the \$Write-\$Hot option when \$CL-files are being written to .T17. The \$Hot command causes the program to reposition file T17 at the top, and the program will overwrite information previously saved in that file.

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Example:           FIELDS
1234567 1234567 1234567 1234567 1234567 1234567 1234567 1234567 1234567 1234567
$HYD
$CL  70      1      0      1      1
... Begin Coding Hydrologic Data

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Field	Variable	Value	Description
0		\$CL	Record Identification
1	OQC	0 < OQC < 100	Discharge Coefficient, percent, of Total Q flowing in Branch in next field. This value is used for the first estimate only.
2	NGDSL	+	The stream segment number where this closed loop starts. Only Loops involving 2 Branches are permitted. NGDSL is always the smaller of the two segment numbers. The other segment number in the island flow calculation must have the value NGDSL+1.
3	IDWAX	1	Energy Balance Option. Instructs the program to calculate the flow distribution that will balanced the energy head at the upstream end of this segment. It is not available by segment.
		2	Calculate water surface profiles for the prescribed flow distribution and do not balanced the energy head at the junction. Rather, write the resulting discharges and heads to Tape17 at the junction.
		3	Same as 1 except the Calculated Discharges and Energy Elevations are written to File .T17 as in IDWAX= 2.
4	ILOOP	+	Loop number for data on this record
5	IZONE	+	Zone number for this Loop
		b	Default = 1