

\$RE Record - Recirculate Option

The recirculating option causes HEC-6T to take sediment passing a cross section and re-circulate it to become the inflowing sediment discharge for the next event. Therefore, several events having the same discharge and tailwater elevation should be coded into the hydrological data set when using this option. Do not attempt to use this option in a stream network. Determine the inflowing sediment load for each segment before forming the segments into a network and code that load into the sedimentary data set.

```

Example:           FIELDS
1234567 1234567 1234567 1234567 1234567 1234567 1234567 1234567
$HYD
$RE 9
*      Event 1
Q 100000
R 22
T 60
W 1
*      Event 2
Q 100000
W 1
*      Event 3
Q 100000
W 1
*      Event 4
Q 100000
W 1

etc

$$END
    
```

| Field | Variable | Value | Description |
|-----------|----------|-------|---|
| 0 | CMD | \$RE | Record identification. The program will match the characters coded with the string "RECIRCULATE". It does not require the entire string. |
| FreeField | IRECIR | + | Code the sequence number of the cross section where the sediment discharge is picked up for the re-circulation. This sequence number is counted from the Downstream End of the Model, and it is displayed in the Geometric Printout as cross sections are read. |