

Index-velocity Quick Sheet Entering Multi-parameter Ratings in ADAPS

Rating equation: $Vm_comp = X*Vi + Y*Vi*GH + C$, where:

Vm_comp = mean velocity,
Vi = index velocity,
GH = stage,
X = Vi coefficient,
Y = Vi*GH coefficient, and
C = constant

In ADAPS, go to the SU menu:

- 1 -- Manage Record Data Aging Status
- 2 -- Update Location information
- 3 -- Update Data Descriptor information**
- 4 -- Update ADR Instrument information
- 5 -- Manage preferred input

Select 3, then

Select the Station, hit return:

EDIT/UPDATE PROGRAM FOR DATA DESCRIPTOR (DD) FILE

AD - Add a NEW Data Descriptor
ED - Edit a Data Descriptor
DI - Display a Data Descriptor
LI - list the Data Descriptor for a station
DE - Delete a Data Descriptor
PF - Create DCP performance Data Descriptors
CH - Change to different Data Descriptor
US - Re-start program, display user information
QU - Quit this program
EX - Exit adaps programs

Select ED, then

Choose **Discharge** from the Data Descriptor List

DD DISPLAY AND UPDATE OPTIONS

1. DISPLAY/UPDATE DD INFORMATION
- 2. DISPLAY/UPDATE DD PROCESSING INFORMATION**
3. DISPLAY/UPDATE DD SCREENING THRESHOLDS

ENTER OPTION NUMBER INDICATING WHICH DATA TO DISPLAY/UPDATE
OR KEY [CR] TO CONTINUE:

Select 2, then the following menu appears:

DD#1 Discharge (AVM), in cfs

```
Processor Status:          approved
Created by:                jrdavis   on: 10-16-2002 @ 07:30:55 EST
Modified by:              smorlock  on: 07-17-2003 @ 12:12:42 EST
Approved by:              smorlock  on: 07-17-2003 @ 12:12:42 EST
SD - Starts on:           03-18-2003
ED - Ends on:             12-30-2382
RP - Default primary report type: Historical
GP - Unit values missing gap time: 120 (MINUTES)
DV - Compute DVs:        MEAN
IS - Stage gage:         DD #02 Gage height (AVM), in feet
IV - Velocity gage:      DD #03 Stream velocity (AVM X), in
UL - Upper gage height limit: Not specified
LL - Lower gage height limit: Not specified
EQ - Use mean-velocity equation: Yes
XC - Equation X coefficient: 0.462
YC - Equation Y coefficient: 0.033
EC - Equation constant:   0.099
HB - Base for extreme events: Not used
HP - Interval for extreme events: Not used
Enter code to edit field, WK to set to Working, NW to create new version,
or key [CR] to continue:
```

The above menu shows entry for the equation

$$Vm_comp = 0.462Vi + 0.033ViGH + 0.099$$

Notes:

- Status must be set to WK, Working , to enter values
- You must have ADAPS Administrator rights to access this feature
- EQ must be set to **Yes**
- Make sure an old velocity ratings are shut off prior to start date (SD) for this processor