



SMART Beta Test summary report for station 10251300 measurement number 227

SMART account

to: jarufe, jkiesler, mgipson, mrogers,
slvasque, snberris

09/22/2011 07:32 PM

U.S. Department of the Interior - U.S. Geological Survey - Water Resources
Standard Methods Automated Records Tool (SMART) Report
SMART Version: Beta-2.00-g

Date Processed: 2011-09-22 by SMART CRON

SMART Shift Analysis

Station Number: 10251300 AMARGOSA RV AT TECOPA, CA

SMART analysis from discharge measurement 226 on 08-25-2011 @ 13:07 to
discharge measurement 227 on 09-20-2011 @ 15:47

For additional information see the log file

"\\SWR\SMART\smartLogs\USGS-10251300QNUM227_20110922163100.txt"

SMART found no data in the site specific data file for USGS 10251300

SMART found no problems with any command-line arguments entered by the user.

SMART found the user identified in the original data file is jarufe@usgs.gov.

SMART found the original data file was created by SWAMI.

The software package SWAMI does not support user supplied gage-height
corrections

SMART successfully deleted the original data file

/SWR/SMART/origFiles/S_10251300_20110920_145600.xml.

SMART found the primary gage height data descriptor (DD) to be 1.

SMART found the primary discharge data descriptor (DD) to be 2.

SMART found station 10251300 to have the following site type: Stream.

SMART found station 10251300 to currently have the following flow condition:
Undefined

SMART now starting its shift analysis

Measurement Gage Height: 5.58

Measurement Discharge: 0.065

Measurement Rated: POOR

Rated Discharge: 0.104

Raw Percent Difference: -37.50

Shift from existing V-diagram: -0.00999999977648258

Percent difference using existing V-diagram: -28.268116701988

SMART determined that discharge measurement 227 did not confirm the existing
V-diagram; shift: -0.010 percent difference: -28.268

SMART determined that discharge measurement 227 did not confirm rating number
15.0.

SMART determined that measurement 227 required a shift of -0.030 feet.

Active shift-variation diagram is a traditional half-house shift-variation diagram.

SMART determined that the SMART generated shift is a "fill" shift

SMART found the existing V-diagram of:

-->lower-point: stage = 5 shift = -0.010

-->knee: stage = 6 shift = -0.010

-->upper-point: stage = 7 shift = 0

and generated a V-Diagram of:

-->lower-point: stage = 5 shift = -0.030

-->knee: stage = 6 shift = -0.030

-->upper-point: stage = 7 shift = 0

SMART generated V-diagrams

Shift Effective Date and Time: 09-11-2011 @ 06:00

Shift Comments: SMART QNum 227, fill shift, peak close previous V-diagram

Lower Point Stage: 5

Lower Point Shift: -0.010

Knee Stage: 6

Knee Shift: -0.010

Upper Point Stage: 7

Upper Point Shift: 0

Shift Effective Date and Time: 09-11-2011 @ 13:15

Shift Comments: SMART QNum 227, fill shift, end of rise new V-diagram full effect

Lower Point Stage: 5

Lower Point Shift: -0.030

Knee Stage: 6

Knee Shift: -0.030

Upper Point Stage: 7

Upper Point Shift: 0

Shift Effective Date and Time: 09-20-2011 @ 15:47

Shift Comments: SMART QNum 227, fill shift, apply new shift so period can be locked and approved

Lower Point Stage: 5

Lower Point Shift: -0.030

Knee Stage: 6

Knee Shift: -0.030

Upper Point Stage: 7

Upper Point Shift: 0



rpt4qnum-0227.html