



## SMART Beta Test summary report for station 09419696 measurement number 99

SMART account to: cssavard, jkiesler, mgipson, mrogers, slvasque, snberris

09/23/2011 06:11 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: 2011-09-23 by SMART CRON

### SMART Shift Analysis

Station Number: 09419696 DUCK CK AT BROADBENT BLVD AT E LAS VEGAS, NV  
SMART analysis from discharge measurement 98 on 09-13-2011 @ 12:08 to  
discharge measurement 99 on 09-23-2011 @ 10:33

For additional information see the log file

"\\SWR\SMART\smartLogs\USGS-09419696QNUM99\_20110923150900.txt"

SMART found no data in the site specific data file for USGS 09419696  
SMART found no problems with any command-line arguments entered by the user.  
SMART found the user identified in the original data file is  
cssavard@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\_09419696\_20110923\_095900.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 09419696 to have the following site type: Stream.

SMART found station 09419696 to currently have the following flow condition:  
Undefined

SMART now starting its shift analysis

Measurement Gage Height: 1.32

Measurement Discharge: 7.150

Measurement Rated: FAIR

Rated Discharge: 7.723

Raw Percent Difference: -7.414

Shift from existing V-diagram: 0.400000005960464

Percent difference using existing V-diagram: -87.21645411972

SMART determined that discharge measurement 99 did not confirm the existing  
V-diagram; shift: 0.400 percent difference: -87.216

SMART determined that discharge measurement 99 confirmed rating number 8.0. A  
measurement shift of zero (0) will be used for measurement 99.

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 = 1.950 shift = 0.400

-->knee: stage = 3.700 shift = 0.400

-->upper-point: stage = 5.290 shift = 0

and generated a V-Diagram of:

-->lower-point: stage = 1.950 shift = 0

-->knee: stage = 3.700 shift = 0

-->upper-point: stage = 5.290 shift = 0

SMART's test V-diagram found the new V-diagram was a two-point V-diagram.

SMART generated V-diagrams

Shift Effective Date and Time: 09-14-2011 @ 05:15

Shift Comments: SMART QNum 99, fill shift, peak close previous V-diagram

Lower Point Stage: 1.950

Lower Point Shift: 0.400

Knee Stage: 3.700

Knee Shift: 0.400

Upper Point Stage: 5.290

Upper Point Shift: 0

Shift Effective Date and Time: 09-15-2011 @ 05:45

Shift Comments: SMART QNum 99, fill shift, end of rise new V-diagram full effect

Lower Point Stage: 1.950

Lower Point Shift: 0

Knee Stage: 3.700

Knee Shift: 0

Upper Point Stage: 5.290

Upper Point Shift: 0

Shift Effective Date and Time: 09-23-2011 @ 10:33

Shift Comments: SMART QNum 99, fill shift, apply new shift so period can be locked and approved

Lower Point Stage: 1.950

Lower Point Shift: 0

Knee Stage: 3.700

Knee Shift: 0

Upper Point Stage: 5.290

Upper Point Shift: 0



rpt4qnum-0099.html