

# 13172500 Snake River near Murphy, ID



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## Station History

- On February 1, 2017, the gage was "relocated" from the former Snake river near Murphy location (13172500) to the current location 3.5 miles upstream formerly known as 13172455 Snake River below bypass nr Murphy that was established April 2, 2015, by USGS personnel.

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## Control

- Controlling feature is channel constriction located approximately 1,500 ft downstream of gage
  - Does not appear to be affected by aquatic vegetation



# Measurement Section

- 1000' DS of the gage, no inflow or outflow between the mmt section and the gage
- Use of ADCPs and kayak
- Good measurements (<5% error), mostly less than 3%
- 6 passes made (2-4 more than a traditional measurement)



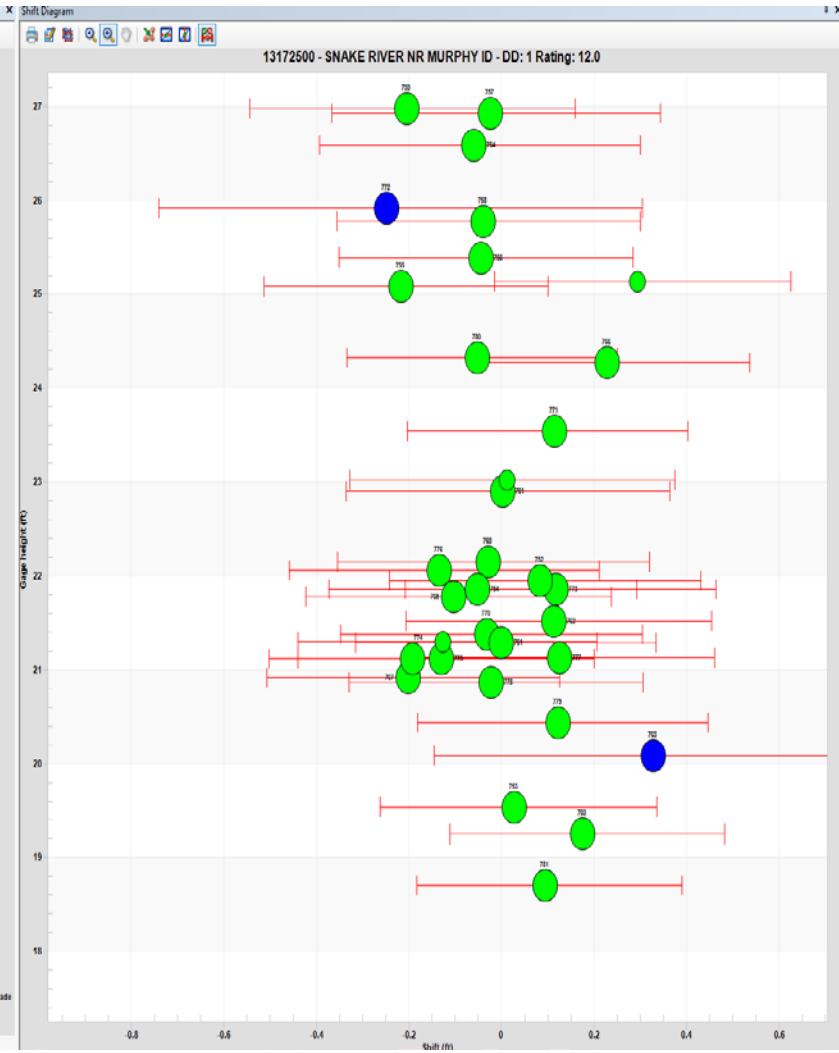
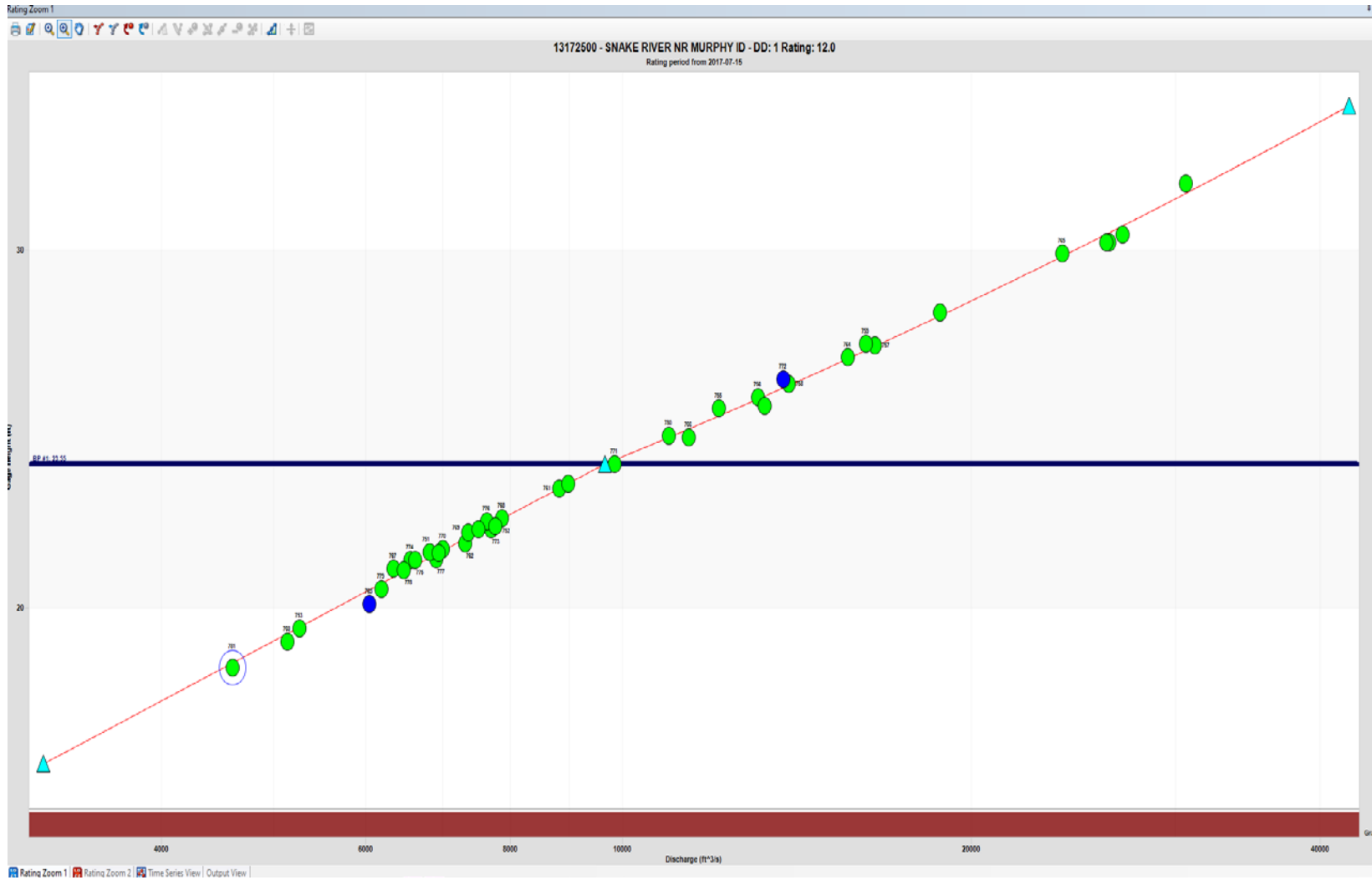
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## Discharge Measurements

- A total of 38 discharge measurements have been made since February 2017.
  - Measured discharge ranged from 4,610 cfs to 30,600 cfs
  - Computed discharge ranged from 4,120 cfs to 35,400 cfs
  - Rating error ranged from -3.7% to 5.4%
  - No shifts - base rating has been in use since February 2017



# Rating Direct 2017-Current



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## Record Quality

Stage record and discharge measurements are considered good resulting in a good stage-discharge relation. As a result, the uncertainty of the computed discharge is low.

