

11421760 DUTCH FLAT NO 2 FLUME NEAR BLUE CANYON CA

LOCATION.--Lat 39°15'16", long 120°46'28" referenced to North American Datum of 1927, Placer County, CA, Hydrologic Unit 18020126, on left bank 600 ft downstream from Drum Afterbay and 3.6 mi west of Blue Canyon.

ESTABLISHMENT AND HISTORY.--October 13, 1965 by USGS.

GAGE.--Design Analysis H500XL water-stage recorder hooked to a Handar 436B shaft encoder, connected to a Design Analysis H-222 DASE GOES Satellite Transmitter and SCADA equipment are housed in standard 5x5' steel box shelter over an 18-inch metal stilling well.

The outside staff is in one section 2 ft. downstream from the gage attached to the left wall of the flume. (Limits 0 to 8.06).

Datum of gage is 3,348.09 ft above sea level (levels by Nevada Irrigation District).

CONTROL.--The control is the channel at all stages. Algae may cause some shifting.

FLOODS.--Maximum daily discharge, 626 ft³/s, Sept. 29, 1983.

WINTER FLOW.--No ice.

REGULATION AND DIVERSIONS.--All flow diverted from Bear River.

All flow controlled by Drum Afterbay dam.

ACCURACY.--Good.

COOPERATION.--Nevada Irrigation District operates the gage under FERC license 2266.

JUSTIFICATION.--To measure diversion from Bear River to Dutch Flat No. 2 Flume.