

11421780 CHICAGO PARK FLUME NEAR DUTCH FLAT CA

LOCATION.--Lat 39°12'55", long 120°50'23" referenced to North American Datum of 1927, Nevada County, CA, Hydrologic Unit 18020126, on left bank 670 ft downstream from Dutch flat Afterbay, and 0.6 mi north of Dutch Flat.

ESTABLISHMENT AND HISTORY.--Oct. 4, 1965 by USGS.

GAGE.--Design Analysis H-500 XL datalogger with Handar 436B shaft encoder connected to a Design Analysis H-222 DASE GOES satellite transmitter. The encoder and SCADA equipment share the float.

The outside staff is in one section on the left bank canal wall at the gage; Elevation of gage is 2,600 ft, from topographic map.

CONTROL.--The control at all stages is the channel. The control may be affected at times by moss and algae.

INDIRECT MEASUREMENT SITE.--None needed.

FLOODS.--Maximum daily discharge, 1,130 ft³/s, Nov. 19, 1983.

WINTER FLOW.--No ice.

REGULATION AND DIVERSIONS.--This is a diversion from Bear River.

Flow regulated by Dutch Flat Afterbay dam.

ACCURACY.--Good.

COOPERATION.--Gage operated by Nevada Irrigation District.

JUSTIFICATION.--Required under FERC license 2266.