

DESCRIPTION OF GAGING STATION ON SAN JOSE CREEK

Location – Lat 36.5196, long -121.9212, approximately 0.50 miles upstream from Highway 1 at Monastery Beach, Carmel.

Establishment - Staff gage station established 1985 by MPWMD. Re-established as a recording station on Nov. 16, 1998 by G. W. James.

Drainage area - 14.2 sq. mi.

Gage - Campbell Scientific (CS) CR300 data recorder/CS451-7.25 psig pressure transducer system. Gage housing consists of steel recorder shelter with two-inch galvanized pipe used as conduit and intake.

Three enameled staff gages staggered up the left bank range from 2.34 to 10.08 ft (gage datum).

History - Two separate staff gage stations located approximately 0.25 miles upstream of Highway 1 have been installed and have since washed out. The initial installation washed out in February 1992. The replacement staff gage installed Nov. 16, 1993 at a new, arbitrary gage datum washed out in February 1998. Continuous recording gaging station utilizing a CS BDR-320 recorder was installed by District staff 0.5 miles upstream of Highway 1 near houses, in November 1998 (new arbitrary datum). The BDR-320 was replaced with a CS CR510 recorder on Oct. 29, 1999. Current CS CR300 recorder installed Nov. 9, 2018.

Reference and benchmarks - Staff gage is only datum reference (gage datum).

Channel - One channel at all stages. Channel is straight for approximately 100 ft. upstream and downstream of gage. Right bank is the toe of the canyon wall and is steep and rocky. Left bank is gently sloped composed of unconsolidated alluvium. Channel bed is composed of boulder and cobble with sand.

Control - Low and medium stage control is riffle 10 ft. downstream of gage. High flow control is natural channel.

Discharge measurements - Low and medium stage measurements are obtained between gage and the upper margin of the "Polo Field" one quarter mile downstream of gage. A high end wading measurement of 235 cfs was obtained April 5, 2006 in a northerly flowing channel between the sandy beach berm and Highway 1. High flow measurements could potentially be obtained off the Highway 1 bridge at Monastery Beach at low tide (i.e., none have been obtained).

Floods - Flood on February 3, 1998 reach a stage of 10.72 ft. current gage datum based on a surveyed mud line on the house adjacent to the gage shelter.

Point of zero flow - 1.80 ft. gage datum. Varies due to scour and fill.

Winter flow - No ice.

Regulation -

Diversion - Flow affected by diversion for domestic use upstream.

Accuracy - Discharge measurements are fair to good.

Cooperation -