

Tunnel Canal

LOCATION.—NW1/4 of SW1/4 Sec. 18, T16N, R8E. The diversion is located in Deer Creek approximately 3.1 miles west of Grass Valley.

ESTABLISHMENT AND HISTORY.—Diversion began in the mining era circa 1851. Nevada Irrigation District acquired the canal from the Excelsior Power and Water Company in 1925 and is the current owner/operator.

GAGE.—Three foot parshall flume constructed in 1975; stilling well with staff plate and pressure transducer; data logger; data is telemetered to NID main office.

CONTROL.—Head gate and spill structure control the flow being diverted into the canal, a baffle was installed upstream of the parshall flume in 2014 to reduce velocities prior to the approach of the parshall.

WINTER FLOW.—Minimal diversion in the winter.

REGULATION AND DIVERSIONS.— In addition to the natural flow being diverted, water that is imported into Deer Creek via the South Yuba Canal is re-diverted into the canal.

ACCURACY.— Good

COOPERATION.--Site is operated by Nevada Irrigation District.

JUSTIFICATION.—To gain accurate measurement of amount diverted and to aid in regulating the flow necessary to meet customer demand.

REMARKS.--