

## Newtown Canal

**LOCATION.**—NW1/4 of SE1/4 Sec. 12, T16N, R8E. The diversion is located in Deer Creek approximately ½ mile west of Nevada City.

**ESTABLISHMENT AND HISTORY.**—Diversion begin in 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 1999; stilling well with staff plate and pressure transducer; data logger; data is telemetered to NID main office.

**CONTROL.**—Head gate controls flow into encased concrete box flume. A check structure and sheer gate are used to still the water upstream of the parshall flume.

**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.**--