



**LEGEND**

- 1991 IFIM Surveys
- 1997 2-foot contour mapping
- August 2002 Survey
- 1991 Water Surface
- 2002 Water Surface

**CONTROL POINT DATA**

I-8 (concrete and pipe)	I-7 (concrete and pipe)
Northing: 2313728.942	Northing: 2314252.950
Easting: 6685660.845	Easting: 6685523.975
Elevation: 164.63'	Elevation: 163.84'

**TRANSECT DATA**

Length (2002): 761.18'	Azimuth: 14°38'18"
Length (1991): 541.55'	Azimuth: 14°38'18"

**GAGE DATA (from USGS)**

Oroville Gage:	
7/13/92: 1010cfs	
8/15/02: 837cfs	
Gridley Gage:	
7/13/92: 2090cfs	
8/15/02: Not Available	

**Notes:**

- 1) Land surveys, depth soundings, and velocities for the 1992 IFIM surveys were conducted on July 13, 1992.
- 2) Assumed elevations for the control points were converted to actual elevations by a level survey performed by DWR-Land and Right-of-Way in June 1996.
- 3) The 1997 cross-section was generated from 2-foot contour topographic mapping from the U.S. Army Corps of Engineers (COE) Comprehensive Study. The actual cross-section was generated using Land Developer and AutoCad software.
- 4) The 2002 cross-section was surveyed in June 2002. Coordinates for the IFIM control points were generated using a RTK GPS survey with a Trimble backpack 4700 receiver. Distances and elevations were measured along section with conventional total station surveying equipment.
- 5) Elevations are referenced to the National Geodetic Vertical Datum of 1929 (NGVD29).

STATE OF CALIFORNIA  
DEPARTMENT OF WATER RESOURCES

**Oroville Facilities Relicensing  
FERC Project No. 2100**

**SP--G2 -- Task 3  
Appendix C -- Plate 14  
Channel Changes -- 1992 - 2002  
Auditorium Riffle -- Transect 1  
RM 65.68**

