

The cross-sections are based upon the depth measurements taken with the discharge measurements at the PALCAMP bridge, Freshwater CA.

Elevations are determined using the following formula:

ELEVATION = arbitrary datum - depth + stage

Using an arbitrary datum prevents negative values (when depth at the cross-section is greater than the stage).

This analysis assumes that the stations in 99 correspond to the 00 stations (i.e. the tape on the PALCAMP bridge has not been moved).

The plot shown below suggests that there has been a drop in elevation in the cross-section between 0.5 and 1.0 ft.

date:	2/6/99	1/14/00
stage:	4ft	4.025
Discharge:	831	799.5

STATION	Depth	Elev	Depth	Elev
(ft)	(ft)	(ft)	(ft)	(ft)
REW				
5			4.1	9.925
7	3.5	10.5	4.4	9.625
9	4	10	4.8	9.225
11	4.3	9.7	4.9	9.125
13	4.5	9.5	5	9.025
15	4.3	9.7	5	9.025
17	4.2	9.8	4.8	9.225
19	4	10	4.9	9.125
21	4	10	4.9	9.125
23	4.5	9.5	4.9	9.125
25	4.4	9.6	4.9	9.125
27	4.5	9.5	4.6	9.425
29	4.2	9.8	4.5	9.525
31	4.1	9.9	4.2	9.825
LEW				

ARBITRARY DATUM = 10 ft

Discharge Cross-Sections, Freshwater (1999 & 2000)

