

Depths measured along Transect in Big Sur River, upstream of tidal zone at Waypoint Nos. 231-232, CDFG Site 9, April 29, 2011 at 11:30 AM - 13:00 PM.

Stream channel split into three principle flow threads; one between Waypoints 229 & 230 and two between Waypoints 231 & 232. Total riffle crest length equals 133.3 feet including 47.0 feet between WP 229-230 and 86.3 feet between WP 231-232. Estimated Streamflow = 146 cfs at 12:30 hours, based on proportional analysis of instantaneous Q at USGS gaging station Nos. 11143100 and 11143000. Depths measured at 1- or 2-foot intervals along transects on crest of riffle.

Right Channel: WP 231-230 channel breaks into two channels just downstream of riffle crest

Station (ft)	Depth (ft)	Offset (ft) ¹	Notes	Station (ft)	Depth (ft)	Offset (ft) ¹	Notes
3			Right bank edge of water	46	0.4	-4	
4	trace			48	0.5	-4	
6	trace			50	0.5	0	
8	trace			52	0.4	-4	
10	trace			54	0.5	0	
12	0.2	-4		56	0.5	0	
14	0.5	-4		58	0.5	0	
16	1	0	Surface water velocity 2-4 ft/s	60	0.5	0	
18	0.9	3	Surface water velocity 2-4 ft/s	62	0.45	0	
20	0.8	0	Surface water velocity 2-4 ft/s	64	0.4	-4	
22	0.4	0	Vegetation d.s.	66	0.35	-4	
24	0.8	0	Surface water velocity 2-4 ft/s	68	0.25	0	
26	0.6	-3	Surface water velocity 2-4 ft/s	70	0.3	-2	
28	0.65	0		72	0.25	0	
30	0.65	-2		74	0.2	-3	
32	0.65	-2		76	0.3	-2	
34	0.8	-2		78	0.2	0	
36	0.7	-3		80	0.1	0	
38	0.6	0		82	0.1	4	
40	0.5	0		84	0.1	4	
42	0.4	-2		86	0.1	0	
44	0.5	0		88	0.01	0	
				89.3			Left bank edge of water

Measurements with depth >= 0.7 feet 6
 Total depth measurements: 39
Percentage depths >= 0.7 feet 15%
Continuous width with depths >= 0.7 feet 6

Measurements with depth >= 0.6 feet 11
 Total depth measurements: 39
Percentage depths >= 0.6 feet 28%
Continuous width with depths >= 0.6 feet 16

¹ To account for variation in longitudinal depths across riffle crest, the shallowest depth is measured at offsets from the transect line. Offset is measured in feet either upstream (+) values or downstream (-) values from transect line between waypoints