

**TABLE 2**  
 The Nature Conservancy - Sacramento River Beehive Bend Reach  
 Comparison of HEC-RAS Water Surface Elevations  
 Reflecting Design Flow of 150,000 cfs, February, 2001  
**Model Run 2**

Location	Cross Section	Water Surface Existing Cond.	Water Surface Proposed Proj.	Change in Water Surface	Left Levee Elevation	Right Levee Elevation	Freeboard <sup>1</sup> Existing Cond.	Freeboard <sup>1</sup> Proposed Proj.
	59252	101.12	102.05	0.93		108.55	7.43	6.5
	58311	100.68	101.7	1.02		107.75	7.07	6.05
	57881	100.91	101.84	0.93		107.81	6.9	5.97
	57481	100.79	101.78	0.99	108.3	108.46	7.51	6.52
	56451	100.41	101.36	0.95	107.43	108.79	7.02	6.07
	55451	100.23	101.22	0.99	107.43	108.2	7.2	6.21
	54450	99.87	100.9	1.03	106.6	107.96	6.73	5.7
	53548	99.81	100.86	1.05	105.8	106.67	5.99	4.94
	52530	99.58	100.63	1.05	105.4	106.99	5.82	4.77
	51401	99.45	100.5	1.05	105.5	106.5	6.05	5
	50366	99.26	100.28	1.02	105.7	105.28	6.02	5
	49627	99	99.9	0.9	105.5	104.74	5.74	4.84
	48612	98.95	99.9	0.95	104.33	104.15	5.2	4.25
	47531	98.66	99.55	0.89	105.1	104.45	5.79	4.9
	46598	98.53	99.44	0.91	104.3	104.19	5.66	4.75
	45664	98.09	98.96	0.87	105.1	104.2	6.11	5.24
	44694	97.91	98.78	0.87	104.1	104.2	6.19	5.32
	43721	97.82	98.69	0.87	102.8	102.89	4.98	4.11
	42772	97.63	98.55	0.92	103.9	102.9	5.27	4.35
	41890	97.55	98.48	0.93	102.6	102.86	5.05	4.12
	40880	97.5	98.43	0.93	102.93	102.6	5.1	4.17
	39864	97.34	98.3	0.96	102.5	103.14	5.16	4.2
	38901	97.14	98.11	0.97	102.25	103.3	5.11	4.14
	37292	96.54	97.59	1.05	102.1	103.11	5.56	4.51
	36925	96.48	97.42	0.94	102.1	103.9	5.62	4.68
	36290	96.39	97.39	1	101.9	103.08	5.51	4.51
	35668	96.21	97.17	0.96	101.6	101.72	5.39	4.43
	34570	95.85	97.02	1.17	101.8	102.04	5.95	4.78
	33204	95.64	96.86	1.22	102.5	101.58	5.94	4.72
	32116	95.38	96.71	1.33	101.6	100.9	5.52	4.19
	30994	95.15	96.54	1.39	100.8	101.5	5.65	4.26
	29940	94.97	96.39	1.42	101	101.07	6.03	4.61
	29162	94.92	96.33	1.41	100.6	100.85	5.68	4.27
Sul Norte	28482	94.74	96.03	1.29	99.9	100.5	5.16	3.87
Sul Norte	27409	94.54	95.93	1.39	100	100.89	5.46	4.07
Sul Norte	26209	94.41	95.78	1.37	99.7	99.72	5.29	3.92
Sul Norte	25348	94.06	95.4	1.34	99.8	99.69	5.63	4.29
Sul Norte	24101	93.77	95.19	1.42	98.9	100.11	5.13	3.71
Sul Norte	23262	93.43	94.89	1.46	98.7	100.45	5.27	3.81
Sul Norte	22593	92.83	94.35	1.52	98.3	99.57	5.47	3.95
Sul Norte	22338	92.63	94.25	1.62	98.4	99.6	5.77	4.15
Sul Norte	21749	92.48	93.73	1.25	102.16	98.6	6.12	4.87
Bridge	21707	92.29	93.96	1.67	102.2	99.74	7.45	5.78
	21469	92.17	93.86	1.69	99.2	99.19	7.02	5.33
	20515	91.91	93.3	1.39	98.85	99.24	6.94	5.55
	19466	91.6	92.93	1.33	98.5	100.3	6.90	5.57
Packer Island	18661	91.01	92.55	1.54	98.8	100.89	5.79	4.25
Packer Island	17832	90.48	92.08	1.6	96.8	99.79	6.32	4.72
Packer Island	16906	89.83	91.52	1.69	96.4	99.66	6.57	4.88
Packer Island	15659	89.81	91.5	1.69	96.7	98.98	6.89	5.20
	14532	89.72	91.4	1.68	96.8	98.13	7.08	5.40
	12727	89.59	91.25	1.66	96.6	96.74	7.01	5.35
	11125	89.45	90.96	1.51	96.6	97.93	7.15	5.64
	8852	89.28	90.86	1.58	95.7	98.33	6.42	4.84
	7130	89.16	90.76	1.6	94.4	97.63	5.24	3.64
	5041	88.99	90.63	1.64	94.6	96.7	5.61	3.97
	2815	88.21	89.95	1.74	94.1	95.29	5.89	4.15
	1827	86.32	88.73	2.41	94.3	96.37	7.98	5.57
	906	86.32	88.23	1.91	94.1	98.18	7.78	5.87
	595	86.07	88.29	2.22	94.3	97.03	8.23	6.01
	285	85.74	87.96	2.22	92	93.23	6.26	4.04
0	85.43	87.79	2.36	93.33	93.5	7.90	5.54	
-653	84.9	87.23	2.33	92.9	93.42	8.00	5.67	
-1635	84.37	86.97	2.6	91.67	94.14	7.30	4.70	
-2581	84.25	87.08	2.83	92.02	95.02	7.77	4.94	
-3612	83.57	86.71	3.14	92.72	92.92	9.15	6.01	
-4627	82.76	86.32	3.56	93.79	93.26	10.50	6.94	

**NOTE**

Cells that have a black border reflect areas of changed land use from existing conditions  
 Cells that are shaded have a higher water surface than existing conditions

<sup>1</sup> Minimum freeboard calculated using lowest levee elevation.