Appendix H

CPV Tracker Diagram & Runoff Calculations

September 2012

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6.3.3. The Module DC Cabling (105 m² tracker)

All modules are connected in parallel. The Tracker

The modules are mounted on a precision dual axis tracking system in order to continuously capture the Direct Radiation.

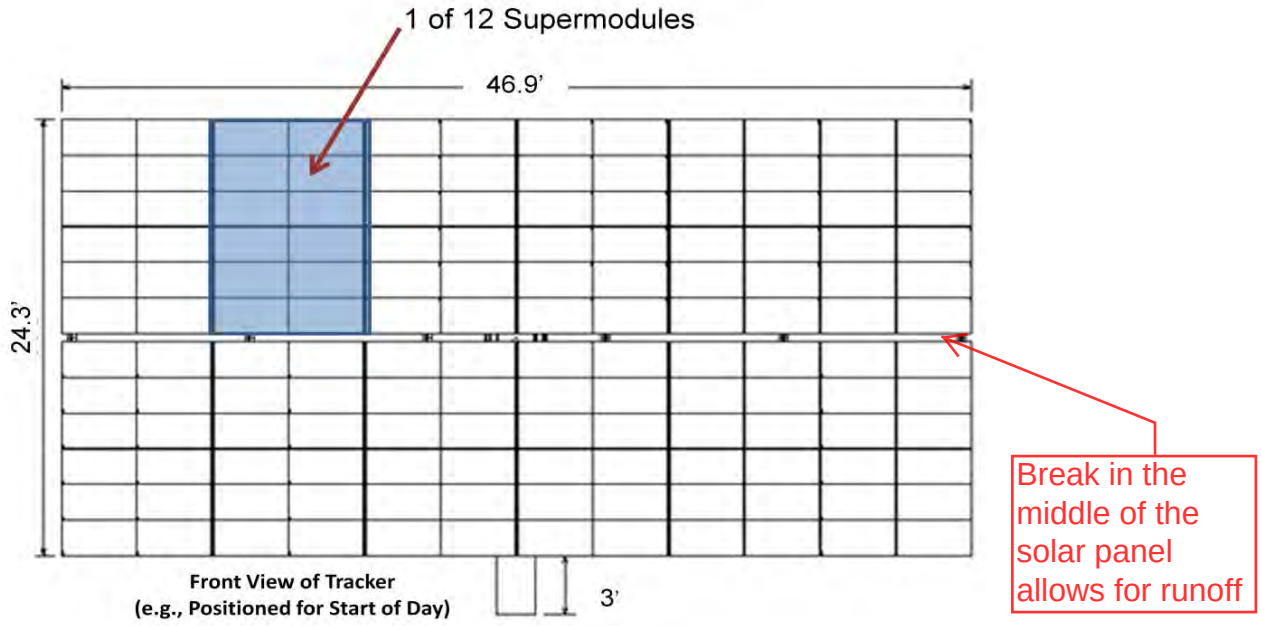

Fig. 6.3: Front Side Drawing of the Concentrix Solar CX-22 CPV System Showing the Tracker Table with the 12 Supermodules, and the Mast.

6.3.4. The Tracker

The FLATCON modules are mounted on a precision dual axis tracking system in order to continuously capture the Direct Radiation.

6.3.4.1. CX-C22, Tracker: Tracking structure and mechanical parts

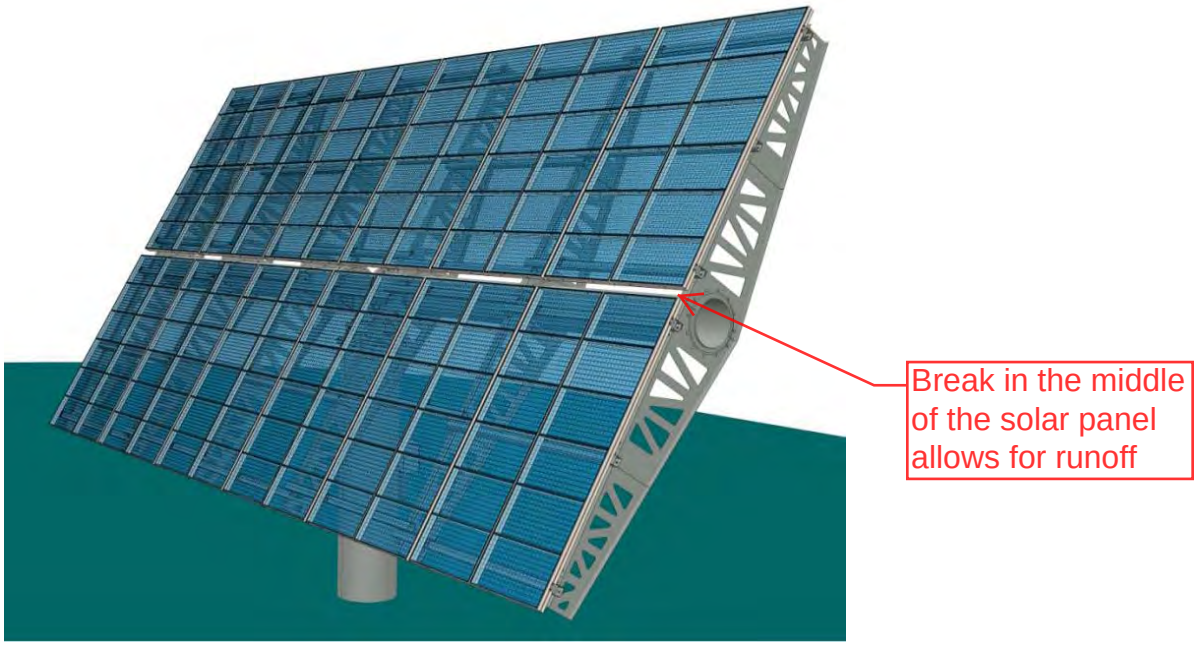

Figure 6.3: Sketch of the Cosma CX-C22 Tracker

Mass of System (kg)	8283
Mass of Steel Structure ONLY (kg)	4725
Total # of Loose Bolts:	552
Total # of Loose Nuts:	300
Total # of Loose Fasteners:	852
Thickness of mast steel (mm)	8.33

Table 6.2: Technical Data of the CX-C22 tracker steel structure

Runoff From CPV Tracker

	Frequency					
	100 Year	**50 year**	**25 Year**	**10 Year**	**5 Year**	**2 year**
Length (ft)	46.90	46.90	46.90	46.90	46.90	46.90
Height (ft)	24.30	24.30	24.30	24.30	24.30	24.30
Area (sf)	1139.67	1139.67	1139.67	1139.67	1139.67	1139.67
Area (ac)	0.03	0.03	0.03	0.03	0.03	0.03
C	1.0	1.0	1.0	1.0	1.0	1.0
t_c (min)	5.0	5.0	5.0	5.0	5.0	5.0
P_6 (in)	3.75	3.25	2.9	2.3	1.9	1.4
I (in/hr)	9.88	8.56	7.64	6.06	5.01	3.69
Total Q (cfs)	0.258	0.224	0.200	0.159	0.131	0.097
*** Q per Panel (cfs)**	0.129	0.112	0.100	0.079	0.065	0.048
**** Q per foot (cfs)**	**0.0028**	**0.0024**	**0.0021**	**0.0017**	**0.0014**	**0.0010**

* The panel is divided into two panels by a horizontal opening in the middle of the panel.
This means half of the Q runs off the panel in the middle and half at the bottom.
** The length is 46.9' and so the runoff can be broken down into the amount that runs off in 1 foot.

1 tablespoon is equal to .00052 cf
The number of tablespoons of runoff that cascade over one foot of the solar panels in a 2 year storm is = .001cf/.00052cf = 1.92 tablespoons

Appendix I

Existing and Proposed Inundation Limits

Difference in Existing and Proposed Inundation Conditions Upstream and Downstream of the Project

September 2012

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RIVER STATION 1100

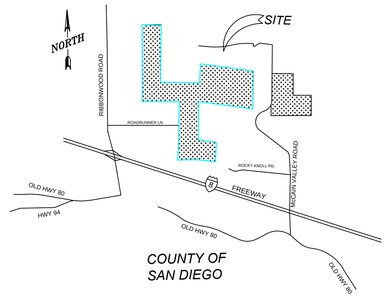
EXTENT OF AERIAL SURVEY
(TYPICAL)

LINE OF INUNDATION (100 YR EVENT)

RIVER STATION 100

ENGINEERING SCALE: NTS

VICINITY MAP



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RUGGED ACRES
100-YEAR INUNDATION

EXISTING INUNDATION

AECOM
PROJECT NO.
60212653

FIGURE
5A

RIVER STATION 1100

PROPERTY BOUNDARY

UNDEVELOPED AREA (TYPICAL)

EXTENT OF AERIAL SURVEY (TYPICAL)

SECURITY FENCING

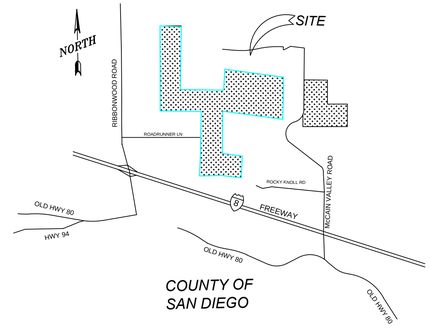
LINE OF INUNDATION (100 YR EVENT)

RIVER STATION 100

3600.00
3595.00
3590.00
3585.00
3580.00
3575.00
3570.00
3565.00
3560.00
3555.00
3550.00
3545.00
3540.00
3535.00
3530.00
3525.00
3520.00
3515.00
3510.00
3505.00
3500.00

ENGINEERING SCALE: NTS

VICINITY MAP



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RUGGED ACRES
100-YEAR INUNDATION

PROPOSED INUNDATION

AECOM PROJECT NO. 60212653

FIGURE 5B

Difference in Pre- and Post-Project Flow HEC-RAS Anlysis

Reach	River Sta	Profile	Existing W.S. Elev	Proposed W.S. Elev	Difference in W.S.	Existing Flow Depth	Proposed Flow Depth	Difference in Depth	Existing Vel Chnl	Proposed Vel Chnl	Difference in Vel.
			(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft/s)	(ft/s)	(ft/s)
UPSTREAM PROPERTY											
Tule Creek	11000	PF 1	3604.27	3604.42	**0.15**	8.55	8.56	**0.01**	8.55	8.94	**0.39**
Tule Creek	10900	PF 1	3602.38	3602.29	**-0.09**	7.59	7.44	**-0.15**	8.98	9.26	**0.28**
Tule Creek	10800	PF 1	3600.63	3600.5	**-0.13**	7.09	7.1	**0.01**	8.24	8.03	**-0.21**
Tule Creek	10700	PF 1	3598.86	3598.95	**0.09**	6.38	6.46	**0.08**	7.81	7.39	**-0.42**
Tule Creek	10600	PF 1	3597.84	3598	**0.16**	6.34	6.5	**0.16**	6.18	6.26	**0.08**
Tule Creek	10500	PF 1	3597.09	3597.4	**0.31**	6.81	7.06	**0.25**	5.73	5.41	**-0.32**
Tule Creek	10400	PF 1	3596.44	3596.72	**0.28**	6.46	6.74	**0.28**	5.68	5.35	**-0.33**
Tule Creek	10300	PF 1	3595.72	3595.79	**0.07**	5.79	5.86	**0.07**	5.69	5.59	**-0.1**
Tule Creek	10200	PF 1	3594.88	3594.92	**0.04**	7.02	6.96	**-0.06**	5.53	5.5	**-0.03**
Tule Creek	10100	PF 1	3593.37	3593.29	**-0.08**	5.92	5.84	**-0.08**	6.72	7.02	**0.3**
Tule Creek	10000	PF 1	3591.68	3591.56	**-0.12**	6.48	6	**-0.48**	6.23	6.58	**0.35**
Tule Creek	9900	PF 1	3590.61	3590.5	**-0.11**	5.8	5.69	**-0.11**	5.37	5.56	**0.19**
Tule Creek	9800	PF 1	3589.66	3589.29	**-0.37**	5.98	5.09	**-0.89**	5.39	6.06	**0.67**
Tule Creek	9700	PF 1	3588.98	3588.55	**-0.43**	6.51	6.09	**-0.42**	4.93	5.46	**0.53**
Tule Creek	9600	PF 1	3588.52	3588.06	**-0.46**	8.52	8.06	**-0.46**	4.89	5.54	**0.65**
Tule Creek	9500	PF 1	3588.17	3587.73	**-0.44**	8.24	7.8	**-0.44**	4.92	5.35	**0.43**
Tule Creek	9400	PF 1	3587.74	3587.22	**-0.52**	7.93	7.41	**-0.52**	5.29	6.07	**0.78**
Tule Creek	9300	PF 1	3587.36	3586.93	**-0.43**	9.86	9.43	**-0.43**	4.96	5.49	**0.53**
Tule Creek	9200	PF 1	3586.98	3586.58	**-0.4**	10.46	10.06	**-0.4**	4.82	5.35	**0.53**
Tule Creek	9100	PF 1	3586.38	3586.04	**-0.34**	9.15	9.54	**0.39**	5.63	5.94	**0.31**
Tule Creek	9000	PF 1	3585.26	3585.15	**-0.11**	7.77	7.66	**-0.11**	7.36	7.42	**0.06**
DOWNSTREAM PROPERTY											
Tule Creek	3000	PF 1	3518.08	3518.08	**0**	3.08	3.08	**0**	9.02	9.51	**0.49**
Tule Creek	2900	PF 1	3517.4	3517.96	**0.56**	2.53	3.05	**0.52**	8.8	7.05	**-1.75**
Tule Creek	2800	PF 1	3516.79	3517.26	**0.47**	2.85	3.26	**0.41**	8.62	8.13	**-0.49**
Tule Creek	2700	PF 1	3515.7	3515.54	**-0.16**	2.7	2.54	**-0.16**	9.59	11.09	**1.5**
Tule Creek	2600	PF 1	3514.36	3514.41	**0.05**	1.96	2	**0.04**	10.31	10.24	**-0.07**
Tule Creek	2500	PF 1	3513.74	3513.77	**0.03**	2.17	2.16	**-0.01**	8.72	8.76	**0.04**
Tule Creek	2400	PF 1	3512.43	3512.5	**0.07**	1.97	1.99	**0.02**	10.06	9.96	**-0.1**
Tule Creek	2300	PF 1	3511.52	3511.54	**0.02**	2	1.99	**-0.01**	9.64	9.7	**0.06**
Tule Creek	2200	PF 1	3510.45	3510.5	**0.05**	1.8	1.81	**0.01**	9.42	9.39	**-0.03**
Tule Creek	2100	PF 1	3509.26	3509.29	**0.03**	1.76	1.79	**0.03**	8.96	9.04	**0.08**
Tule Creek	2000	PF 1	3509.66	3509.68	**0.02**	2.21	2.2	**-0.01**	4.91	4.89	**-0.02**
Tule Creek	1900	PF 1	3508.84	3508.87	**0.03**	2.15	2.15	**0**	7.42	7.37	**-0.05**
Tule Creek	1800	PF 1	3507.58	3507.67	**0.09**	2.44	2.45	**0.01**	9.09	8.89	**-0.2**
Tule Creek	1700	PF 1	3506.94	3506.95	**0.01**	2.09	2.1	**0.01**	7.97	8.11	**0.14**
Tule Creek	1600	PF 1	3506.24	3506.3	**0.06**	1.96	1.98	**0.02**	7.8	7.62	**-0.18**
Tule Creek	1500	PF 1	3505.6	3505.57	**-0.03**	2.6	2.57	**-0.03**	6.92	7.24	**0.32**
Tule Creek	1400	PF 1	3505.23	3505.25	**0.02**	2.73	2.75	**0.02**	6.24	6.29	**0.05**
Tule Creek	1300	PF 1	3504.94	3504.96	**0.02**	2.68	2.67	**-0.01**	6.18	6.16	**-0.02**
Tule Creek	1200	PF 1	3504.68	3504.71	**0.03**	3.08	3.08	**0**	6.21	6.14	**-0.07**
Tule Creek	1100	PF 1	3503.97	3504	**0.03**	3.1	3.1	**0**	7.77	7.74	**-0.03**
Tule Creek	1000	PF 1	3503.09	3503.15	**0.06**	2.96	2.99	**0.03**	8.82	8.72	**-0.1**
Tule Creek	900	PF 1	3503.27	3503.3	**0.03**	3.31	3.34	**0.03**	5.47	5.45	**-0.02**
Tule Creek	800	PF 1	3503.2	3503.24	**0.04**	3.69	3.65	**-0.04**	4.86	4.76	**-0.1**
Tule Creek	700	PF 1	3502.24	3502.27	**0.03**	2.67	2.62	**-0.05**	8.13	8.15	**0.02**
Tule Creek	600	PF 1	3501.15	3501.19	**0.04**	2.7	2.73	**0.03**	9.59	9.52	**-0.07**
Tule Creek	500	PF 1	3500.1	3500.15	**0.05**	2.26	2.22	**-0.04**	9.85	9.84	**-0.01**
Tule Creek	400	PF 1	3499.97	3500	**0.03**	2.98	2.97	**-0.01**	6.58	6.6	**0.02**
Tule Creek	300	PF 1	3499.27	3499.28	**0.01**	2.77	2.78	**0.01**	7.98	8.04	**0.06**
Tule Creek	200	PF 1	3498.96	3498.27	**-0.69**	2.94	2.21	**-0.73**	5.93	9.07	**3.14**
Tule Creek	100	PF 1	3498.14	3498.14	**0**	2.74	2.72	**-0.02**	7.68	7.64	**-0.04**

Appendix J

Existing HEC-RAS Model Run

September 2012

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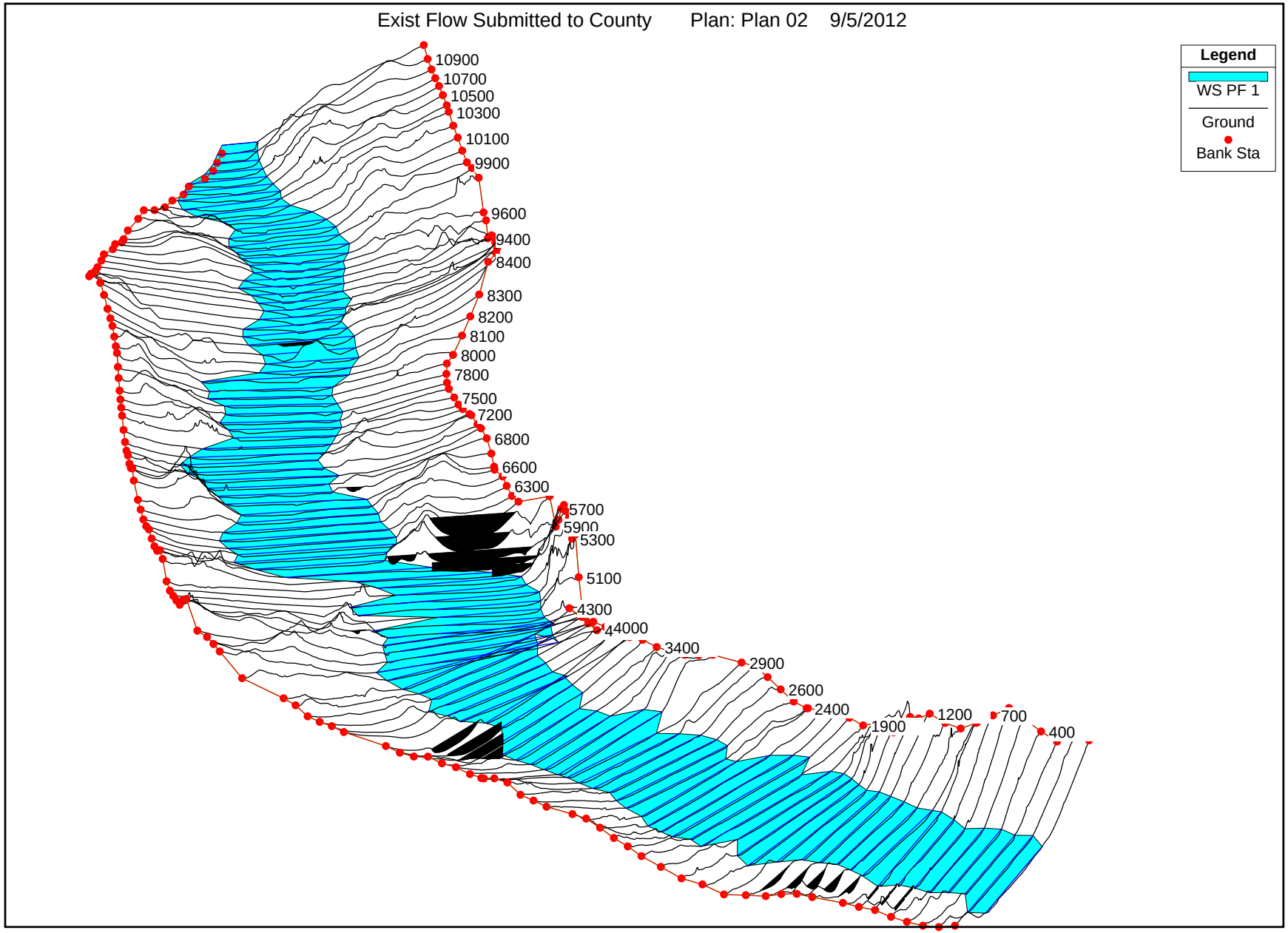

Exist Flow Submitted to County Plan: Plan 02 9/5/2012
Legend
WS PF 1
Ground
Bank Sta
10900
10700
10500
10300
10100
9900
9600
9400
8400
8300
8200
8100
8000
7800
7500
7200
6800
6600
6300
5700
5900
5300
5100
4300
4000
3400
2900
2600
2400
1900
1200
700
400

Pre-Project Flow HEC-RAS Analysis

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Flow Depth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Tule Creek	11000	PF 1	14033	3595.72	3604.27	**8.55**	3601.65	3605.41	0.015328	**8.55**	1640.99	217.96	0.55
Tule Creek	10900	PF 1	14033	3594.79	3602.38	**7.59**		3603.63	0.020608	**8.98**	1562.37	244.03	0.63
Tule Creek	10800	PF 1	14033	3593.54	3600.63	**7.09**		3601.69	0.017281	**8.24**	1702.47	278.25	0.59
Tule Creek	10700	PF 1	14033	3592.48	3598.86	**6.38**		3599.81	0.019794	**7.81**	1796.16	350.91	0.61
Tule Creek	10600	PF 1	14033	3591.5	3597.84	**6.34**		3598.43	0.00883	**6.18**	2272.16	471.99	0.5
Tule Creek	10500	PF 1	14033	3590.28	3597.09	**6.81**		3597.6	0.00733	**5.73**	2448.07	543.06	0.48
Tule Creek	10400	PF 1	14033	3589.98	3596.44	**6.46**		3596.94	0.005998	**5.68**	2470.42	622.91	0.5
Tule Creek	10300	PF 1	14033	3589.93	3595.72	**5.79**		3596.22	0.00874	**5.69**	2468.22	603.07	0.5
Tule Creek	10200	PF 1	14033	3587.86	3594.88	**7.02**		3595.35	0.008478	**5.53**	2537.83	583.27	0.47
Tule Creek	10100	PF 1	14033	3587.45	3593.37	**5.92**		3594.07	0.020585	**6.72**	2088.38	550.27	0.61
Tule Creek	10000	PF 1	14033	3585.2	3591.68	**6.48**		3592.29	0.015088	**6.23**	2252.67	557.99	0.55
Tule Creek	9900	PF 1	14033	3584.81	3590.61	**5.8**		3591.05	0.009585	**5.37**	2614.62	658.43	0.47
Tule Creek	9800	PF 1	14033	3583.68	3589.66	**5.98**		3590.11	0.009214	**5.39**	2604.67	673.95	0.48
Tule Creek	9700	PF 1	14033	3582.47	3588.98	**6.51**		3589.36	0.005933	**4.93**	2844.2	681.41	0.43
Tule Creek	9600	PF 1	14033	3580	3588.52	**8.52**		3588.89	0.003841	**4.89**	2869.55	636.62	0.41
Tule Creek	9500	PF 1	14033	3579.93	3588.17	**8.24**		3588.55	0.003014	**4.92**	2850.17	557.33	0.38
Tule Creek	9400	PF 1	14033	3579.81	3587.74	**7.93**		3588.18	0.004522	**5.29**	2653.5	542.48	0.42
Tule Creek	9300	PF 1	14033	3577.5	3587.36	**9.86**		3587.74	0.003869	**4.96**	2831.33	589.41	0.4
Tule Creek	9200	PF 1	14033	3576.52	3586.98	**10.46**		3587.35	0.003954	**4.82**	2910.11	628.83	0.4
Tule Creek	9100	PF 1	14033	3577.23	3586.38	**9.15**		3586.88	0.005331	**5.63**	2492.49	543.46	0.46
Tule Creek	9000	PF 1	14033	3577.49	3585.26	**7.77**		3586.11	0.010757	**7.36**	1905.79	484.76	0.65
Tule Creek	8900	PF 1	14033	3577.45	3584.32	**6.87**		3585.25	0.006854	**7.73**	1815.33	485.92	0.7
Tule Creek	8800	PF 1	14033	3575.82	3583.7	**7.88**		3584.4	0.009059	**6.71**	2089.85	512.06	0.59
Tule Creek	8700	PF 1	14033	3575	3583.19	**8.19**		3583.69	0.004881	**5.68**	2469.72	589.41	0.49
Tule Creek	8600	PF 1	14033	3574.96	3583	**8.04**		3583.28	0.002534	**4.26**	3296.33	632.89	0.33
Tule Creek	8500	PF 1	14033	3574.09	3581.42	**7.33**	3581.33	3582.59	0.028417	**8.68**	1616.43	639.73	0.96
Tule Creek	8400	PF 1	14033	3570	3577.34	**7.34**	3577.32	3579.05	0.043396	**10.51**	1335.62	385.7	0.99
Tule Creek	8300	PF 1	14033	3569.78	3575.05	**5.27**	3575.05	3576.4	0.016729	**9.32**	1506.16	559.52	1
Tule Creek	8200	PF 1	14033	3569	3573.22	**4.22**	3573.65	3575.07	0.010109	**10.91**	1285.68	550.17	1.26
Tule Creek	8100	PF 1	14033	3568.5	3573.38	**4.88**	3573.38	3574.38	0.004641	**8.02**	1748.91	878.24	1
Tule Creek	8000	PF 1	14033	3565.56	3569.33	**3.77**	3570.43	3573.21	0.023384	**15.8**	888.43	570.09	2.23
Tule Creek	7900	PF 1	14033	3564.97	3568.19	**3.22**	3568.97	3570.8	0.0178	**12.97**	1082.3	734.87	1.88
Tule Creek	7800	PF 1	14033	3564.28	3567.02	**2.74**	3567.69	3569.22	0.012	**11.91**	1178.71	666.12	1.58
Tule Creek	7700	PF 1	14033	3562.49	3565.71	**3.22**	3566.38	3567.97	0.013042	**12.05**	1164.71	692	1.64
Tule Creek	7600	PF 1	14033	3561.94	3564.38	**2.44**	3565.02	3566.57	0.014623	**11.89**	1179.98	712.43	1.63
Tule Creek	7500	PF 1	14033	3560.29	3564.33	**4.04**	3564.34	3565.54	0.004524	**8.83**	1589.29	670.66	1.01
Tule Creek	7400	PF 1	14033	3560	3563.12	**3.12**	3563.54	3564.91	0.00744	**10.74**	1307.19	609.75	1.29
Tule Creek	7300	PF 1	14033	3559.9	3561.71	**1.81**	3562.35	3563.86	0.014814	**11.76**	1193.09	760.28	1.65
Tule Creek	7200	PF 1	14033	3557.49	3560.55	**3.06**	3561.06	3562.34	0.013385	**10.73**	1308.2	809.29	1.49
Tule Creek	7100	PF 1	14033	3557.47	3560.58	**3.11**	3560.58	3561.63	0.00631	**8.21**	1709.11	817.32	1
Tule Creek	7000	PF 1	14033	3556.42	3559.3	**2.88**	3559.64	3560.81	0.009778	**9.87**	1421.4	808.87	1.31
Tule Creek	6900	PF 1	14033	3555.29	3558.39	**3.1**	3558.76	3559.92	0.008163	**9.91**	1416.57	814.9	1.32
Tule Creek	6800	PF 1	14033	3554.97	3557.36	**2.39**	3557.81	3559.07	0.008496	**10.48**	1338.45	705.66	1.34

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Flow Depth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Tule Creek	6700	PF 1	14033	3553.41	3556.24	**2.83**	3556.75	3558.14	0.009772	**11.04**	1270.82	682.04	1.43
Tule Creek	6600	PF 1	14033	3551.43	3554.96	**3.53**	3555.58	3557.05	0.011729	**11.59**	1211.19	808.03	1.67
Tule Creek	6500	PF 1	14033	3550.61	3553.92	**3.31**	3554.44	3555.77	0.012363	**10.94**	1282.85	782.54	1.51
Tule Creek	6400	PF 1	14033	3550	3553.2	**3.2**	3553.54	3554.67	0.008094	**9.73**	1441.81	847.59	1.32
Tule Creek	6300	PF 1	14033	3549.48	3551.87	**2.39**	3552.37	3553.6	0.014237	**10.56**	1328.63	942.77	1.57
Tule Creek	6200	PF 1	14033	3548.34	3550.88	**2.54**	3551.24	3552.27	0.010745	**9.46**	1483.77	1015.95	1.38
Tule Creek	6100	PF 1	14033	3547.5	3549.83	**2.33**	3550.18	3551.23	0.010042	**9.5**	1476.43	1005.3	1.38
Tule Creek	6000	PF 1	14033	3547.49	3549.94	**2.45**	3549.48	3550.56	0.00268	**6.33**	2216.08	951.33	0.73
Tule Creek	5900	PF 1	14033	3546.64	3549.46	**2.82**		3550.21	0.004438	**6.93**	2024.01	916.39	0.82
Tule Creek	5800	PF 1	14033	3545.57	3548.53	**2.96**	3548.53	3549.62	0.006969	**8.38**	1674.61	779.14	1.01
Tule Creek	5700	PF 1	14033	3542.05	3545.62	**3.57**	3546.33	3547.99	0.05244	**12.37**	1134.38	882.66	1.92
Tule Creek	5600	PF 1	14033	3539.54	3543.77	**4.23**	3543.48	3544.58	0.011874	**7.23**	1940.5	823.73	0.83
Tule Creek	5500	PF 1	14033	3538.54	3542.7	**4.16**		3543.43	0.010732	**6.84**	2051.58	865.66	0.78
Tule Creek	5400	PF 1	14033	3537.49	3541.3	**3.81**	3541.15	3542.26	0.012076	**7.89**	1779.65	787.29	0.92
Tule Creek	5300	PF 1	14033	3536.34	3540.17	**3.83**	3540.17	3541.05	0.01172	**7.52**	1865.73	1036.09	0.99
Tule Creek	5200	PF 1	14033	3534.9	3538.59	**3.69**	3538.66	3539.78	0.013092	**8.77**	1600.97	736.64	1.05
Tule Creek	5100	PF 1	14033	3533.49	3537.44	**3.95**	3537.62	3538.77	0.007868	**9.25**	1517.46	618.94	1.04
Tule Creek	5000	PF 1	14033	3532.49	3536.06	**3.57**	3536.56	3537.89	0.008731	**10.86**	1292.55	660.68	1.37
Tule Creek	4900	PF 1	14033	3532.5	3535.46	**2.96**	3535.9	3536.95	0.007997	**9.8**	1432.46	799.96	1.29
Tule Creek	4800	PF 1	14033	3532.5	3535.58	**3.08**	3535.6	3536.48	0.00497	**7.61**	1843.09	1051.01	1.01
Tule Creek	4700	PF 1	14033	3531.78	3534.68	**2.9**	3534.92	3535.87	0.007237	**8.75**	1603.36	983.52	1.21
Tule Creek	4600	PF 1	14033	3530.64	3533.44	**2.8**	3533.92	3534.98	0.010319	**9.97**	1408.06	927.81	1.43
Tule Creek	4500	PF 1	14033	3529.8	3532.55	**2.75**	3532.92	3533.89	0.01021	**9.28**	1512.57	1157.51	1.43
Tule Creek	4400	PF 1	14033	3529.79	3532.86	**3.07**	3532.4	3533.39	0.002247	**5.83**	2404.97	1152.26	0.71
Tule Creek	4300	PF 1	14033	3529.73	3532.15	**2.42**	3532.15	3533.01	0.005762	**7.46**	1881.46	1110.53	1.01
Tule Creek	4200	PF 1	14033	3528.54	3530.7	**2.16**	3531.09	3532.18	0.010635	**9.74**	1440.43	998.48	1.43
Tule Creek	4100	PF 1	14033	3527.5	3529.66	**2.16**	3530.09	3531.18	0.009357	**9.89**	1419.06	887.29	1.38
Tule Creek	4000	PF 1	14033	3526.31	3528.58	**2.27**	3529.07	3530.2	0.010006	**10.21**	1373.97	896.29	1.45
Tule Creek	3900	PF 1	14033	3524.84	3527.1	**2.26**	3527.67	3529.01	0.013514	**11.11**	1263.11	887.83	1.64
Tule Creek	3800	PF 1	14033	3523.81	3526.23	**2.42**	3526.63	3527.74	0.009848	**9.85**	1424.76	905.94	1.38
Tule Creek	3700	PF 1	14033	3522.97	3526.24	**3.27**	3526.25	3527.3	0.004648	**8.25**	1701.73	819.14	1.01
Tule Creek	3600	PF 1	14033	3521.31	3524.6	**3.29**	3525.14	3526.53	0.011128	**11.13**	1261.24	744.46	1.51
Tule Creek	3500	PF 1	14033	3519.76	3522.72	**2.96**	3523.46	3525.16	0.015611	**12.56**	1117.71	707.85	1.76
Tule Creek	3400	PF 1	14033	3518.81	3521.72	**2.91**	3522.25	3523.52	0.013436	**10.77**	1303.39	804.63	1.49
Tule Creek	3300	PF 1	14033	3517.86	3521.04	**3.18**	3521.33	3522.34	0.008187	**9.16**	1531.94	852.01	1.2
Tule Creek	3200	PF 1	14033	3517.47	3520.14	**2.67**	3520.47	3521.49	0.00864	**9.32**	1506.2	837.14	1.22
Tule Creek	3100	PF 1	14033	3516.21	3519.15	**2.94**	3519.49	3520.49	0.011614	**9.31**	1507.76	1044.95	1.37
Tule Creek	3000	PF 1	14033	3515	3518.08	**3.08**	3518.38	3519.34	0.010779	**9.02**	1556.42	1092.32	1.33
Tule Creek	2900	PF 1	14033	3514.87	3517.4	**2.53**	3517.64	3518.6	0.006363	**8.8**	1594.77	824.52	1.12
Tule Creek	2800	PF 1	14033	3513.94	3516.79	**2.85**	3516.94	3517.94	0.006606	**8.62**	1627.54	919.01	1.14
Tule Creek	2700	PF 1	14033	3513	3515.7	**2.7**	3516.08	3517.12	0.00943	**9.59**	1463.89	955.58	1.36
Tule Creek	2600	PF 1	14033	3512.4	3514.36	**1.96**	3514.82	3516.01	0.01257	**10.31**	1360.53	987.34	1.55
Tule Creek	2500	PF 1	14033	3511.57	3513.74	**2.17**	3513.96	3514.92	0.00744	**8.72**	1609.5	1026.03	1.23
Tule Creek	2400	PF 1	14033	3510.46	3512.43	**1.97**	3512.85	3514	0.010417	**10.06**	1395.53	920.12	1.44
Tule Creek	2300	PF 1	14033	3509.52	3511.52	**2**	3511.89	3512.96	0.009684	**9.64**	1455.22	965.9	1.38

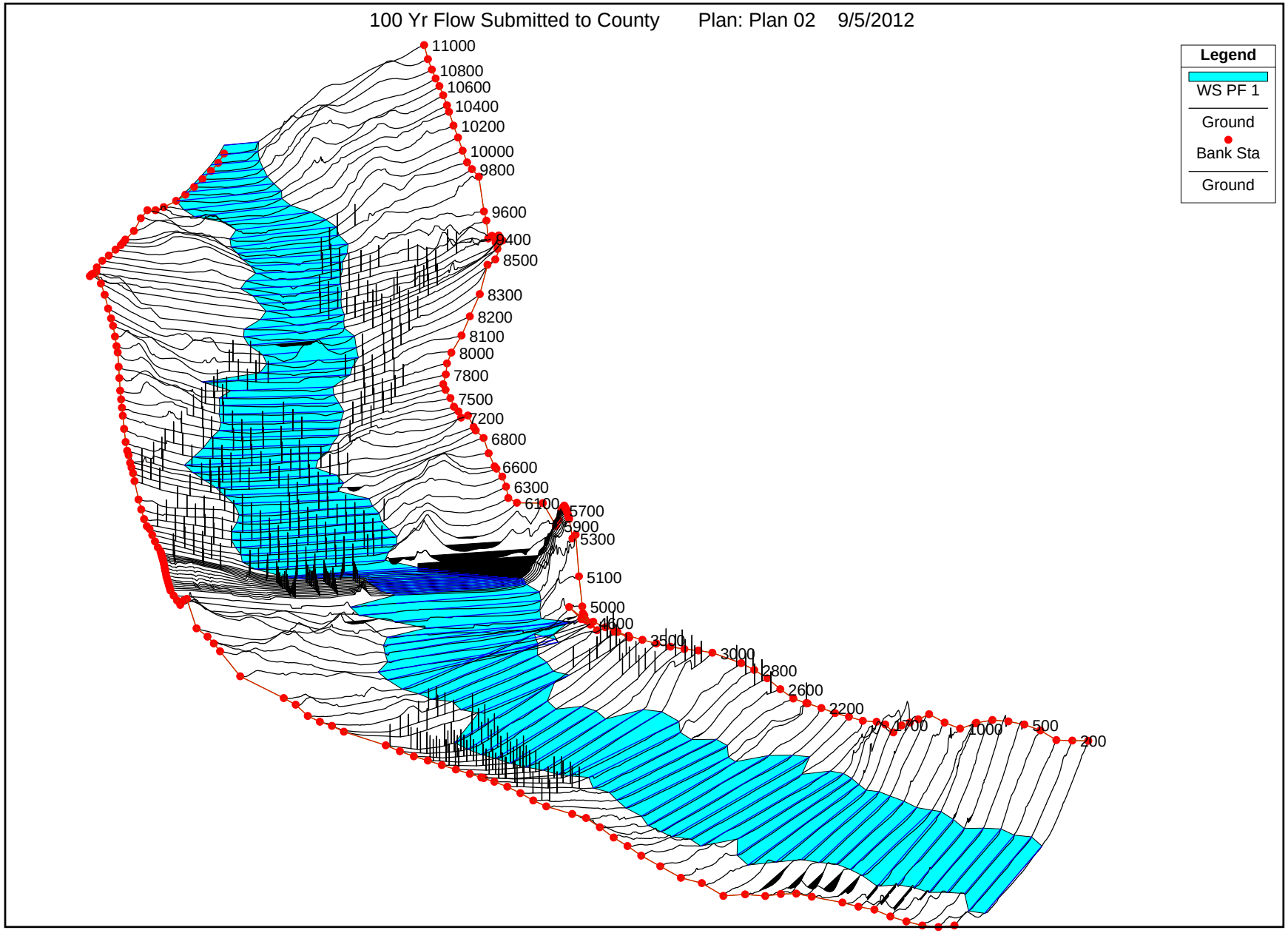
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Flow Depth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Tule Creek	2200	PF 1	14033	3508.65	3510.45	**1.8**	3510.83	3511.83	0.012962	**9.42**	1489.31	1245.29	1.52
Tule Creek	2100	PF 1	14033	3507.5	3509.26	**1.76**	3509.59	3510.51	0.012576	**8.96**	1565.85	1347.22	1.46
Tule Creek	2000	PF 1	14033	3507.45	3509.66	**2.21**	3509.06	3510.04	0.001808	**4.91**	2857.38	1401.52	0.61
Tule Creek	1900	PF 1	14033	3506.69	3508.84	**2.15**	3508.84	3509.7	0.005517	**7.42**	1892.04	1132.32	1.01
Tule Creek	1800	PF 1	14033	3505.14	3507.58	**2.44**	3507.93	3508.86	0.012359	**9.09**	1544.18	1322.32	1.48
Tule Creek	1700	PF 1	14033	3504.85	3506.94	**2.09**	3507.06	3507.92	0.00626	**7.97**	1761.18	1134.94	1.13
Tule Creek	1600	PF 1	14033	3504.28	3506.24	**1.96**	3506.38	3507.18	0.008582	**7.8**	1799.96	1295.09	1.17
Tule Creek	1500	PF 1	14033	3503	3505.6	**2.6**	3505.59	3506.35	0.0069	**6.92**	2026.79	1337.26	0.99
Tule Creek	1400	PF 1	14033	3502.5	3505.23	**2.73**		3505.84	0.003387	**6.24**	2248.42	1159.13	0.79
Tule Creek	1300	PF 1	14033	3502.26	3504.94	**2.68**		3505.54	0.002654	**6.18**	2271.29	1077.14	0.75
Tule Creek	1200	PF 1	14033	3501.6	3504.68	**3.08**		3505.28	0.00246	**6.21**	2258.59	1040.41	0.74
Tule Creek	1100	PF 1	14033	3500.87	3503.97	**3.1**	3503.97	3504.91	0.00479	**7.77**	1806.99	981.43	1.01
Tule Creek	1000	PF 1	14033	3500.13	3503.09	**2.96**	3503.31	3504.29	0.007208	**8.82**	1590.44	974.54	1.22
Tule Creek	900	PF 1	14033	3499.96	3503.27	**3.31**	3502.53	3503.74	0.001558	**5.47**	2564.9	1024.41	0.61
Tule Creek	800	PF 1	14033	3499.51	3503.2	**3.69**		3503.57	0.001306	**4.86**	2888.85	1114.06	0.53
Tule Creek	700	PF 1	14033	3499.57	3502.24	**2.67**	3502.24	3503.27	0.005179	**8.13**	1725.46	845.74	1
Tule Creek	600	PF 1	14033	3498.45	3501.15	**2.7**	3501.48	3502.57	0.008601	**9.59**	1463.46	876.91	1.31
Tule Creek	500	PF 1	14033	3497.84	3500.1	**2.26**	3500.49	3501.61	0.010651	**9.85**	1423.98	981.94	1.44
Tule Creek	400	PF 1	14033	3496.99	3499.97	**2.98**	3499.61	3500.65	0.002733	**6.58**	2132.11	961.49	0.78
Tule Creek	300	PF 1	14033	3496.5	3499.27	**2.77**	3499.27	3500.26	0.004751	**7.98**	1758.98	890.45	1
Tule Creek	200	PF 1	14033	3496.02	3498.96	**2.94**	3498.57	3499.5	0.002894	**5.93**	2367.81	1172.77	0.74
Tule Creek	100	PF 1	14033	3495.4	3498.14	**2.74**	3498.14	3499.06	0.006229	**7.68**	1827.99	1011.42	1.01

Appendix K

Proposed HEC-RAS Model Run

September 2012

AECOM


100 Yr Flow Submitted to County Plan: Plan 02 9/5/2012
Legend
WS PF 1
Ground
Bank Sta
Ground
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10800
10600
10400
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9600
9400
8500
8300
8200
8100
8000
7800
7500
7200
6800
6600
6300
6100
5700
5300
5100
5000
3500
3000
2800
2600
2200
1700
1000
500
200

Post-Project Flow HEC-RAS Analysis

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Flow Depth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Tule Creek	11000	PF 1	14033	3595.86	3604.42	**8.56**	3601.92	3605.66	0.018385	**8.94**	1569.76	208.59	0.57
Tule Creek	10900	PF 1	14033	3594.85	3602.29	**7.44**		3603.62	0.022616	**9.26**	1516.18	241	0.65
Tule Creek	10800	PF 1	14033	3593.4	3600.5	**7.1**		3601.5	0.018273	**8.03**	1748.22	293.63	0.58
Tule Creek	10700	PF 1	14033	3592.49	3598.95	**6.46**		3599.8	0.01494	**7.39**	1898.18	369.5	0.57
Tule Creek	10600	PF 1	14033	3591.5	3598	**6.5**		3598.61	0.008719	**6.26**	2240.54	444.06	0.49
Tule Creek	10500	PF 1	14033	3590.34	3597.4	**7.06**		3597.86	0.005866	**5.41**	2596.25	537.65	0.43
Tule Creek	10400	PF 1	14033	3589.98	3596.72	**6.74**		3597.16	0.008256	**5.35**	2624.18	638.47	0.46
Tule Creek	10300	PF 1	14033	3589.93	3595.79	**5.86**		3596.28	0.009433	**5.59**	2508.45	601.44	0.48
Tule Creek	10200	PF 1	14033	3587.96	3594.92	**6.96**		3595.39	0.00819	**5.5**	2551.63	591.94	0.47
Tule Creek	10100	PF 1	14033	3587.45	3593.29	**5.84**		3594.05	0.024308	**7.02**	2000.13	541.68	0.64
Tule Creek	10000	PF 1	14033	3585.56	3591.56	**6**		3592.24	0.013723	**6.58**	2132.67	551.05	0.59
Tule Creek	9900	PF 1	14033	3584.81	3590.5	**5.69**		3590.98	0.010618	**5.56**	2522.71	651.19	0.5
Tule Creek	9800	PF 1	14033	3584.2	3589.29	**5.09**		3589.87	0.011469	**6.06**	2314	658.03	0.57
Tule Creek	9700	PF 1	14033	3582.46	3588.55	**6.09**		3589.01	0.006139	**5.46**	2568.03	664.77	0.49
Tule Creek	9600	PF 1	14033	3580	3588.06	**8.06**		3588.53	0.003852	**5.54**	2532.81	621.5	0.48
Tule Creek	9500	PF 1	14033	3579.93	3587.73	**7.8**		3588.18	0.00315	**5.35**	2622.57	544.2	0.43
Tule Creek	9400	PF 1	14033	3579.81	3587.22	**7.41**		3587.79	0.004389	**6.07**	2311.57	513.09	0.5
Tule Creek	9300	PF 1	14033	3577.5	3586.93	**9.43**		3587.39	0.00313	**5.49**	2557.48	561.07	0.45
Tule Creek	9200	PF 1	14033	3576.52	3586.58	**10.06**		3587.02	0.004333	**5.35**	2625.4	592.69	0.45
Tule Creek	9100	PF 1	14033	3576.5	3586.04	**9.54**		3586.59	0.004052	**5.94**	2363.95	524.92	0.49
Tule Creek	9000	PF 1	14033	3577.49	3585.15	**7.66**		3586	0.008091	**7.42**	1891.32	485.17	0.66
Tule Creek	8900	PF 1	14033	3577.45	3584.18	**6.73**		3585.31	0.005596	**8.52**	1647.32	445.23	0.78
Tule Creek	8800	PF 1	14033	3575.95	3583.71	**7.76**		3584.48	0.009648	**7.06**	1987.19	499.76	0.62
Tule Creek	8700	PF 1	14033	3575	3583.16	**8.16**		3583.69	0.005559	**5.82**	2411.79	599.5	0.51
Tule Creek	8600	PF 1	14033	3574.96	3582.96	**8**		3583.26	0.002532	**4.36**	3218.7	608.4	0.33
Tule Creek	8500	PF 1	14033	3574.46	3581.45	**6.99**	3581.32	3582.59	0.025368	**8.58**	1634.95	638.62	0.95
Tule Creek	8400	PF 1	14033	3570	3577.45	**7.45**	3577.45	3579.19	0.046	**10.58**	1326.12	382.99	1
Tule Creek	8300	PF 1	14033	3569.88	3575.01	**5.13**	3575.14	3576.52	0.016662	**9.86**	1422.66	534.08	1.07
Tule Creek	8200	PF 1	14033	3569	3573.22	**4.22**	3573.7	3575.13	0.011244	**11.09**	1265.49	551.51	1.29
Tule Creek	8100	PF 1	14033	3568.5	3573.32	**4.82**	3573.32	3574.34	0.004838	**8.07**	1738.23	874.49	1.01
Tule Creek	8000	PF 1	14033	3565.74	3569.5	**3.76**	3570.55	3573.14	0.024441	**15.31**	916.58	604.8	2.19
Tule Creek	7900	PF 1	14033	3564.97	3568.62	**3.65**	3569.33	3570.96	0.013669	**12.29**	1142.21	677.69	1.67
Tule Creek	7800	PF 1	14033	3564.61	3567.56	**2.95**	3568.15	3569.62	0.011573	**11.52**	1218.3	703.37	1.54
Tule Creek	7700	PF 1	14033	3562.49	3566.07	**3.58**	3566.74	3568.31	0.014224	**12.02**	1167.15	738.26	1.69
Tule Creek	7600	PF 1	14033	3562.21	3564.56	**2.35**	3565.24	3566.86	0.014779	**12.17**	1152.94	707.78	1.68
Tule Creek	7500	PF 1	14033	3560.38	3563.75	**3.37**	3564.22	3565.53	0.00951	**10.72**	1309.56	704.44	1.39
Tule Creek	7400	PF 1	14033	3560.15	3563.56	**3.41**	3563.58	3564.7	0.005003	**8.57**	1636.88	749.89	1.02
Tule Creek	7300	PF 1	14033	3559.44	3561.82	**2.38**	3562.42	3563.84	0.013474	**11.39**	1231.99	757.76	1.57
Tule Creek	7200	PF 1	14033	3557.96	3561.02	**3.06**	3561.42	3562.61	0.009119	**10.12**	1387.04	795.54	1.35
Tule Creek	7100	PF 1	14033	3557.36	3560.18	**2.82**	3560.56	3561.75	0.008021	**10.05**	1395.97	770.05	1.32
Tule Creek	7000	PF 1	14033	3556.54	3559.51	**2.97**	3559.8	3560.97	0.006954	**9.72**	1444.38	721.47	1.21
Tule Creek	6900	PF 1	14033	3555.79	3558.69	**2.9**	3559.06	3560.21	0.008269	**9.91**	1416.45	776.68	1.29
Tule Creek	6800	PF 1	14033	3555.08	3557.77	**2.69**	3558.14	3559.36	0.008477	**10.12**	1386.4	749.82	1.31

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Flow Depth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Tule Creek	6700	PF 1	14033	3553.93	3556.75	**2.82**	3557.17	3558.5	0.008453	**10.62**	1321.79	673.91	1.34
Tule Creek	6600	PF 1	14033	3552.69	3555.3	**2.61**	3555.93	3557.42	0.012968	**11.69**	1200.64	799.54	1.68
Tule Creek	6500	PF 1	14033	3551.18	3554.02	**2.84**	3554.6	3556.01	0.014444	**11.3**	1242.17	793.26	1.59
Tule Creek	6400	PF 1	14033	3550.35	3553.47	**3.12**	3553.73	3554.81	0.007399	**9.29**	1510.78	843.65	1.22
Tule Creek	6300	PF 1	14033	3549.7	3552.04	**2.34**	3552.54	3553.81	0.01263	**10.68**	1314.43	889.99	1.55
Tule Creek	6200	PF 1	14033	3548.87	3550.9	**2.03**	3551.36	3552.55	0.0119	**10.3**	1362.79	936.06	1.5
Tule Creek	6100	PF 1	14033	3548.03	3550.11	**2.08**	3550.41	3551.45	0.008773	**9.29**	1510.24	957.87	1.3
Tule Creek	6000	PF 1	14033	3547.42	3549.5	**2.08**	3549.64	3550.63	0.006542	**8.53**	1645.86	921.35	1.12
Tule Creek	5900	PF 1	14033	3546.76	3549.38	**2.62**	3549.16	3550.21	0.003503	**7.31**	1919.58	866.62	0.87
Tule Creek	5800	PF 1	14033	3545.96	3548.64	**2.68**	3548.64	3549.74	0.005895	**8.41**	1667.9	772.11	1.01
Tule Creek	5700	PF 1	14033	3542.6	3546.51	**3.91**	3547.11	3548.54	0.027075	**11.43**	1227.62	803	1.63
Tule Creek	5680.*	PF 1	14033	3542.09	3546.18	**4.09**	3546.68	3547.95	0.024011	**10.67**	1315.33	842.44	1.5
Tule Creek	5660.*	PF 1	14033	3541.59	3545.78	**4.19**	3546.25	3547.46	0.02239	**10.41**	1347.97	827.43	1.44
Tule Creek	5640.*	PF 1	14033	3540.72	3545.11	**4.39**	3545.76	3546.97	0.024797	**10.92**	1284.55	574.3	1.29
Tule Creek	5620.*	PF 1	14033	3539.98	3544.23	**4.25**	3544.83	3546.36	0.034429	**11.7**	1199.6	551.62	1.4
Tule Creek	5600	PF 1	14033	3539.59	3543.65	**4.06**	3544.14	3545.61	0.035794	**11.22**	1250.75	616.03	1.39
Tule Creek	5580.*	PF 1	14033	3539.36	3543.69	**4.33**	3543.71	3544.92	0.018296	**8.92**	1573.65	661.41	1.02
Tule Creek	5560.*	PF 1	14033	3539.13	3543.08	**3.95**	3543.29	3544.48	0.024484	**9.51**	1475.85	701.7	1.16
Tule Creek	5540.*	PF 1	14033	3538.89	3543.01	**4.12**	3542.9	3544.03	0.015555	**8.1**	1732.67	746.15	0.94
Tule Creek	5520.*	PF 1	14033	3538.66	3542.84	**4.18**		3543.7	0.012573	**7.43**	1888.49	789.6	0.85
Tule Creek	5500	PF 1	14033	3538.43	3542.72	**4.29**		3543.43	0.010004	**6.79**	2066.16	833.43	0.76
Tule Creek	5480.*	PF 1	14033	3538.24	3542.52	**4.28**		3543.23	0.010215	**6.74**	2081.92	865.36	0.77
Tule Creek	5460.*	PF 1	14033	3538.05	3542.29	**4.24**		3543.02	0.010748	**6.85**	2047.62	862.45	0.78
Tule Creek	5440.*	PF 1	14033	3537.88	3542.01	**4.13**		3542.79	0.011585	**7.1**	1975.64	834.32	0.81
Tule Creek	5420.*	PF 1	14033	3537.68	3541.7	**4.02**		3542.55	0.012791	**7.41**	1894.23	808.88	0.85
Tule Creek	5400	PF 1	14033	3537.49	3541.37	**3.88**	3541.18	3542.3	0.011627	**7.75**	1811.81	789.76	0.9
Tule Creek	5300	PF 1	14033	3536.39	3540.19	**3.8**	3540.19	3541.1	0.012301	**7.67**	1830.48	999.49	1
Tule Creek	5200	PF 1	14033	3534.96	3538.6	**3.64**	3538.75	3539.78	0.0138	**8.72**	1608.63	867.76	1.13
Tule Creek	5100	PF 1	14033	3533.54	3536.68	**3.14**	3537.1	3538.34	0.014039	**10.33**	1358.31	770.16	1.37
Tule Creek	5000	PF 1	14033	3531.37	3534.69	**3.32**	3535.35	3536.92	0.01299	**11.99**	1170.55	694.2	1.63
Tule Creek	4900	PF 1	14033	3530	3535.78	**5.78**	3535.1	3536.3	0.002113	**5.8**	2419.7	1092.52	0.69
Tule Creek	4800	PF 1	14033	3530	3535.42	**5.42**		3536.04	0.002887	**6.32**	2219.93	1109.78	0.79
Tule Creek	4700	PF 1	14033	3531.83	3534.77	**2.94**	3534.77	3535.64	0.004963	**7.49**	1874.33	1095.18	1.01
Tule Creek	4600	PF 1	14033	3530.68	3533.57	**2.89**	3533.95	3534.95	0.009008	**9.41**	1491.29	967.26	1.34
Tule Creek	4500	PF 1	14033	3529.86	3532.56	**2.7**	3532.95	3533.95	0.010935	**9.48**	1480.38	1148.1	1.47
Tule Creek	4400	PF 1	14033	3529.68	3532.91	**3.23**	3532.37	3533.4	0.002013	**5.65**	2485.5	1149.59	0.68
Tule Creek	4300	PF 1	14033	3529.77	3532.19	**2.42**	3532.19	3533.05	0.005742	**7.44**	1886.39	1112.74	1.01
Tule Creek	4200	PF 1	14033	3528.6	3530.74	**2.14**	3531.13	3532.22	0.010663	**9.74**	1441.05	1002.03	1.43
Tule Creek	4100	PF 1	14033	3527.48	3529.7	**2.22**	3530.14	3531.22	0.009363	**9.89**	1419.57	887.94	1.38
Tule Creek	4000	PF 1	14033	3526.39	3528.76	**2.37**	3529.18	3530.32	0.008586	**10.03**	1399.06	795.43	1.33
Tule Creek	3900	PF 1	14033	3524.88	3527.22	**2.34**	3527.82	3529.24	0.012713	**11.4**	1231.48	776.01	1.59
Tule Creek	3800	PF 1	14033	3523.85	3526.56	**2.71**	3527.01	3528.11	0.008065	**9.99**	1404.05	765.64	1.3
Tule Creek	3700	PF 1	14033	3523.01	3525.23	**2.22**	3525.76	3527	0.015358	**10.67**	1314.8	1043.77	1.68
Tule Creek	3600	PF 1	14033	3520.59	3523.34	**2.75**	3524.06	3525.44	0.015256	**11.62**	1208.1	833.22	1.7
Tule Creek	3500	PF 1	14033	3519.57	3522.41	**2.84**	3523.01	3524.11	0.009907	**10.47**	1340.37	785.09	1.41

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Flow Depth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Tule Creek	3400	PF 1	14033	3519	3521.98	**2.98**	3522.17	3523.17	0.006543	**8.75**	1604.02	903.93	1.16
Tule Creek	3300	PF 1	14033	3518.23	3521.05	**2.82**	3521.39	3522.42	0.008208	**9.38**	1495.54	901.18	1.28
Tule Creek	3200	PF 1	14033	3516.43	3519.95	**3.52**	3520.43	3521.52	0.009232	**10.05**	1396.12	835.17	1.37
Tule Creek	3100	PF 1	14033	3516.26	3519.19	**2.93**	3519.52	3520.51	0.009501	**9.24**	1517.91	1052.25	1.36
Tule Creek	3000	PF 1	14033	3515	3518.08	**3.08**	3518.45	3519.48	0.010956	**9.51**	1476.01	1091.47	1.44
Tule Creek	2900	PF 1	14033	3514.91	3517.96	**3.05**	3517.79	3518.73	0.003684	**7.05**	1990.47	1017.28	0.89
Tule Creek	2800	PF 1	14033	3514	3517.26	**3.26**	3517.26	3518.29	0.004603	**8.13**	1726.65	842.99	1
Tule Creek	2700	PF 1	14033	3513	3515.54	**2.54**	3516.09	3517.45	0.014333	**11.09**	1264.94	908.06	1.66
Tule Creek	2600	PF 1	14033	3512.41	3514.41	**2**	3514.87	3516.04	0.012311	**10.24**	1370.78	990.47	1.53
Tule Creek	2500	PF 1	14033	3511.61	3513.77	**2.16**	3514	3514.96	0.007557	**8.76**	1601.64	1021.47	1.23
Tule Creek	2400	PF 1	14033	3510.51	3512.5	**1.99**	3512.91	3514.04	0.010353	**9.96**	1408.36	938.29	1.43
Tule Creek	2300	PF 1	14033	3509.55	3511.54	**1.99**	3511.92	3513	0.009769	**9.7**	1447.28	961.92	1.39
Tule Creek	2200	PF 1	14033	3508.69	3510.5	**1.81**	3510.87	3511.87	0.012667	**9.39**	1494.04	1234.84	1.5
Tule Creek	2100	PF 1	14033	3507.5	3509.29	**1.79**	3509.63	3510.56	0.01282	**9.04**	1552.84	1347.82	1.48
Tule Creek	2000	PF 1	14033	3507.48	3509.68	**2.2**	3509.06	3510.05	0.001785	**4.89**	2868.28	1405.07	0.6
Tule Creek	1900	PF 1	14033	3506.72	3508.87	**2.15**	3508.87	3509.71	0.005481	**7.37**	1905.25	1141.87	1
Tule Creek	1800	PF 1	14033	3505.22	3507.67	**2.45**	3508	3508.9	0.01172	**8.89**	1578.79	1321.87	1.43
Tule Creek	1700	PF 1	14033	3504.85	3506.95	**2.1**	3507.1	3507.97	0.006681	**8.11**	1730.52	1129.76	1.15
Tule Creek	1600	PF 1	14033	3504.32	3506.3	**1.98**	3506.41	3507.2	0.008041	**7.62**	1840.54	1294.26	1.13
Tule Creek	1500	PF 1	14033	3503	3505.57	**2.57**	3505.62	3506.38	0.007779	**7.24**	1939.15	1331.49	1.06
Tule Creek	1400	PF 1	14033	3502.5	3505.25	**2.75**	3504.96	3505.86	0.003511	**6.29**	2231.84	1162.84	0.8
Tule Creek	1300	PF 1	14033	3502.29	3504.96	**2.67**		3505.55	0.002648	**6.16**	2279.63	1079.24	0.75
Tule Creek	1200	PF 1	14033	3501.63	3504.71	**3.08**		3505.3	0.002404	**6.14**	2283.85	1041.98	0.73
Tule Creek	1100	PF 1	14033	3500.9	3504	**3.1**	3504	3504.93	AVERAGE	**8.66145**	1812.02	988.05	1.01
Tule Creek	1000	PF 1	14033	3500.16	3503.15	**2.99**	3503.36	3504.33	0.006885	**8.72**	1609.57	971.92	1.19
Tule Creek	900	PF 1	14033	3499.96	3503.3	**3.34**	3502.54	3503.76	0.001549	**5.45**	2573.26	1024.11	0.61
Tule Creek	800	PF 1	14033	3499.59	3503.24	**3.65**		3503.59	0.001224	**4.76**	2950.63	1117.74	0.52
Tule Creek	700	PF 1	14033	3499.65	3502.27	**2.62**	3502.27	3503.3	0.005292	**8.15**	1722.36	840.21	1
Tule Creek	600	PF 1	14033	3498.46	3501.19	**2.73**	3501.51	3502.6	0.008401	**9.52**	1474.44	877.09	1.29
Tule Creek	500	PF 1	14033	3497.93	3500.15	**2.22**	3500.54	3501.65	0.010571	**9.84**	1425.9	978.96	1.44
Tule Creek	400	PF 1	14033	3497.03	3500	**2.97**	3499.65	3500.68	0.002775	**6.6**	2126.55	964.38	0.78
Tule Creek	300	PF 1	14033	3496.5	3499.28	**2.78**	3499.28	3500.28	0.00486	**8.04**	1746.12	890.39	1.01
Tule Creek	200	PF 1	14033	3496.06	3498.27	**2.21**	3498.6	3499.55	0.010853	**9.07**	1547.42	1128.92	1.37
Tule Creek	100	PF 1	14033	3495.42	3498.14	**2.72**	3498.14	3499.05	0.006317	**7.64**	1836.61	1024.74	1.01