APPENDIX A

HEC-RAS Summary Output

HEC-RAS Plan: 50-Year River: Rillito Reach: Reach 1 Profile: PF 1

Reach	River Sta	Q Total	Min Ch El	W.S. Elev	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/s)	(sq ft)	(ft)	
Reach 1	12.16132	24000.00	2424.07	2433.09	2430.09	2433.85	0.001646	7.87	4028.79	553.01	0.50
Reach 1	12.09941	24000.00	2422.48	2432.47	2428.94	2433.33	0.001365	7.46	3219.08	386.32	0.46
Reach 1	12.00495	24000.00	2420.79	2428.71	2428.36	2431.86	0.006087	14.23	1686.00	233.46	0.93
Reach 1	11.91024	24000.00	2419.06	2425.61	2425.61	2428.43	0.007322	13.47	1781.18	311.53	0.99
Reach 1	11.81556	24000.00	2415.15	2422.02	2422.02	2424.54	0.007556	12.74	1883.26	367.72	0.99
Reach 1	11.72086	24000.00	2413.61	2420.81	2419.68	2421.54	0.003177	6.85	3503.03	910.06	0.62
Reach 1	11.62617	24000.00	2411.98	2418.63	2417.82	2419.68	0.004291	8.22	2919.77	720.88	0.72
Reach 1	11.53146	24000.00	2409.04	2416.16	2415.59	2417.30	0.005343	8.59	2793.07	760.58	0.79
Reach 1	11.43678	24000.00	2407.05	2413.70	2413.02	2414.67	0.004960	7.91	3034.11	885.79	0.75
Reach 1	11.34206	24000.00	2406.00	2412.59	2410.71	2413.15	0.001800	5.97	4020.98	836.54	0.48
Reach 1	11.24739	24000.00	2403.95	2412.11	2408.84	2412.50	0.000869	4.99	4809.64	800.95	0.35
Reach 1	11.15268	24000.00	2402.15	2410.52	2408.55	2411.73	0.002540	8.81	2739.81	536.52	0.60
Reach 1	11.10667	24000.00	2402.33	2410.16	2407.72	2411.12	0.001915	7.91	3094.75	450.90	0.53
Reach 1	11.093	Bridge									
Reach 1	11.07861	24000.00	2401.71	2408.94	2408.01	2410.49	0.004329	9.99	2401.73	443.68	0.76
Reach 1	11.02010	24000.00	2400.66	2407.73	2406.57	2409.21	0.003867	9.77	2456.87	431.65	0.72
Reach 1	10.94434	24000.00	2398.98	2406.62	2405.03	2407.79	0.002862	8.70	2868.78	604.51	0.63
Reach 1	10.86857	24000.00	2397.66	2404.53	2403.85	2406.25	0.005077	10.51	2283.15	441.49	0.81
Reach 1	10.77389	24000.00	2396.29	2401.38	2401.38	2403.16	0.007612	11.02	2489.62	727.91	0.96
Reach 1	10.67920	24000.00	2392.62	2399.70	2398.04	2400.53	0.002453	7.33	3274.40	631.89	0.57
Reach 1	10.58449	24000.00	2390.50	2396.89	2396.56	2398.59	0.006406	10.48	2290.48	531.74	0.89
Reach 1	10.48980	24000.00	2388.30	2395.90	2394.11	2396.54	0.002203	7.34	4750.85	1066.88	0.55
Reach 1	10.39512	24000.00	2386.79	2394.18	2393.25	2395.16	0.003521	8.85	3981.94	1144.57	0.68
Reach 1	10.30040	24000.00	2385.24	2391.14	2391.14	2392.81	0.006474	10.81	2756.26	913.83	0.90
Reach 1	10.20570	24000.00	2381.88	2390.20		2390.91	0.001850	7.13	4192.11	857.07	0.51
Reach 1	10.11100	24000.00	2380.42	2389.30		2390.04	0.001600	6.92	3645.61	887.73	0.48
Reach 1	10.01632	24000.00	2378.54	2387.92	2385.88	2389.05	0.002296	8.73	3162.95	864.14	0.58
Reach 1	9.852127	24000.00	2375.10	2384.05	2383.36	2386.16	0.004881	11.77	2254.80	590.33	0.83
Reach 1	9.757690	24000.00	2372.46	2383.14	2380.53	2384.37	0.002101	8.94	2889.76	656.83	0.56
Reach 1	9.709965	24000.00	2371.28	2382.71	2378.97	2383.90	0.001578	8.77	2736.49	285.76	0.50
Reach 1	9.705	Bridge									
Reach 1	9.702940	24000.00	2371.09	2381.07		2382.73	0.002703	10.33	2323.23	285.09	0.64
Reach 1	9.640341	24000.00	2369.75	2380.63		2381.86	0.001887	8.93	2692.48	333.58	0.54
Reach 1	9.554404	24000.00	2367.99	2379.80	2376.39	2381.04	0.001747	8.98	3173.18	1742.72	0.52
Reach 1	9.468775	24000.00	2368.45	2378.53	2376.17	2380.09	0.002425	10.18	3259.78	2132.32	0.61
Reach 1	9.381976	24000.00	2367.40	2376.55	2374.79	2378.72	0.003417	11.81	2032.84	241.39	0.72
Reach 1	9.295811	24000.00	2364.70	2374.96	2373.24	2377.15	0.003483	11.86	2022.94	241.80	0.72
Reach 1	9.201656	24000.00	2363.89	2373.40	2371.46	2375.45	0.003171	11.50	2086.65	243.95	0.69
Reach 1	9.096236	24000.00	2361.32	2371.27	2369.68	2373.56	0.003649	12.14	1976.67	236.27	0.74
Reach 1	9.000050	24000.00	2359.67	2369.61	2367.74	2371.81	0.003312	11.90	2016.91	229.94	0.71
Reach 1	8.906204	24000.00	2356.22	2368.28	2365.65	2370.30	0.002637	11.41	2103.58	215.22	0.64
Reach 1	8.811113	24000.00	2355.49	2366.62	2364.44	2368.85	0.003066	12.00	2000.63	212.36	0.69
Reach 1	8.715289	24000.00	2354.57	2364.72	2363.15	2367.13	0.003707	12.46	1926.13	223.56	0.75
Reach 1	8.620723	24000.00	2352.93	2363.59	2361.03	2365.42	0.002592	10.88	2206.75	239.66	0.63
Reach 1	8.525006	24000.00	2350.14	2360.97	2359.59	2363.73	0.004099	13.31	1802.65	203.73	0.79
Reach 1	8.431284	24000.00	2347.85	2359.37	2357.48	2361.78	0.003409	12.45	1927.25	207.85	0.72
Reach 1	8.395467	24000.00	2347.93	2358.82	2356.84	2361.11	0.003282	12.14	1977.45	217.25	0.71
Reach 1	8.394	Bridge									
Reach 1	8.392508	24000.00	2347.87	2358.55	2356.84	2360.98	0.003577	12.50	1919.34	215.16	0.74
Reach 1	8.334032	24000.00	2346.98	2357.69	2355.60	2359.88	0.003110	11.85	2026.90	230.01	0.69
Reach 1	8.253147	24000.00	2345.89	2356.09	2354.30	2358.46	0.003505	12.36	1941.24	218.37	0.73
Reach 1	8.162789	24000.00	2344.30	2354.37	2352.65	2356.78	0.003582	12.45	1927.39	217.88	0.74
Reach 1	8.065505	24000.00	2342.37	2352.66	2350.93	2354.92	0.003493	12.08	1986.45	231.55	0.73
Reach 1	7.971442	24000.00	2340.73	2349.71		2352.70	0.005491	13.88	1729.03	228.27	0.89
Reach 1	7.882413	24000.00	2339.10	2348.54		2350.40	0.003265	10.93	2195.77	283.99	0.69
Reach 1	7.785057	24000.00	2337.52	2346.26		2348.39	0.004589	11.73	2045.23	308.21	0.80
Reach 1	7.691030	24000.00	2335.40	2344.44		2346.32	0.003549	11.01	2180.43	297.05	0.72
Reach 1	7.598445	24000.00	2332.94	2342.72		2344.59	0.003638	10.96	2190.09	306.41	0.72
Reach 1	7.512586	24000.00	2331.98	2341.28		2343.01	0.003133	10.56	2271.89	300.05	0.68
Reach 1	7.425513	24000.00	2330.66	2339.88		2341.61	0.002966	10.55	2274.88	288.85	0.66
Reach 1	7.363233	24000.00	2329.62	2339.44	2336.67	2340.67	0.001998	8.87	2705.73	332.26	0.55
Reach 1	7.354	Bridge									
Reach 1	7.345907	24000.00	2329.45	2338.84		2340.28	0.002601	9.63	2493.46	330.74	0.62
Reach 1	7.283078	24000.00	2328.38	2337.11		2339.20	0.003723	11.58	2072.57	270.94	0.74
Reach 1	7.188000	24000.00	2326.69	2335.54		2337.41	0.003181	10.97	2187.96	275.09	0.69
Reach 1	7.093081	24000.00	2324.26	2332.67		2335.29	0.005387	13.00	1846.66	267.78	0.87
Reach 1	7.000013	24000.00	2322.39	2330.76		2332.80	0.004158	11.47	2092.96	303.21	0.77
Reach 1	6.912727	24000.00	2320.68	2329.39		2331.00	0.003152	10.18	2356.70	331.91	0.67
Reach 1	6.841562	24000.00	2318.75	2328.48	2326.16	2329.91	0.002437	9.58	2505.39	318.03	0.60

HEC-RAS Plan: 50-Year River: Rillito Reach: Reach 1 Profile: PF 1 (Continued)

Reach	River Sta	Q Total	Min Ch El	W.S. Elev	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/s)	(sq ft)	(ft)	
Reach 1	6.84	Bridge									
Reach 1	6.837464	24000.00	2318.86	2327.87		2329.52	0.003100	10.32	2325.66	316.58	0.67
Reach 1	6.813656	24000.00	2318.34	2327.47		2329.13	0.003105	10.35	2319.33	314.40	0.67
Reach 1	6.717097	24000.00	2317.14	2325.03	2324.22	2327.13	0.004839	11.65	2060.59	326.76	0.82
Reach 1	6.637459	24000.00	2315.21	2324.14	2321.81	2325.52	0.002419	9.44	2543.58	328.41	0.60
Reach 1	6.528182	24000.00	2313.02	2321.88	2320.58	2323.75	0.003848	10.99	2184.64	317.83	0.74
Reach 1	6.428960	24000.00	2310.75	2319.90	2318.55	2321.75	0.003752	10.91	2199.36	316.42	0.73
Reach 1	6.339065	24000.00	2309.18	2317.79	2316.81	2319.80	0.004462	11.38	2108.95	325.71	0.79
Reach 1	6.273025	24000.00	2308.07	2316.89	2315.08	2318.39	0.002950	9.83	2441.84	344.62	0.65
Reach 1	6.27	Bridge									
Reach 1	6.258328	24000.00	2308.34	2316.37	2314.82	2318.01	0.003429	10.28	2335.41	345.65	0.70
Reach 1	6.179000	24000.00	2305.87	2313.13	2313.13	2315.85	0.007599	13.23	1814.19	334.01	1.00

HEC-RAS Plan: 500-Year River: Rillito Reach: Reach 1 Profile: PF 1

Reach	River Sta	Q Total	Min Ch El	W.S. Elev	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/s)	(sq ft)	(ft)	
Reach 1	12.16132	64000.00	2424.07	2435.08	2434.95	2438.06	0.005140	16.07	6050.48	1480.09	0.91
Reach 1	12.09941	64000.00	2422.48	2434.25		2436.44	0.003353	13.16	8113.38	1858.85	0.73
Reach 1	12.00495	64000.00	2420.79	2432.80	2432.80	2434.65	0.003334	14.00	10617.92	2633.39	0.74
Reach 1	11.91024	64000.00	2419.06	2430.46		2431.45	0.001993	10.50	13960.93	3041.92	0.57
Reach 1	11.81556	64000.00	2415.15	2427.23	2427.23	2429.93	0.003797	14.22	6838.21	2273.75	0.79
Reach 1	11.72086	64000.00	2413.61	2423.76	2422.34	2425.37	0.003428	10.17	6341.94	1034.89	0.70
Reach 1	11.62617	64000.00	2411.98	2421.49	2421.12	2423.42	0.004269	11.67	7119.05	1705.47	0.78
Reach 1	11.53146	64000.00	2409.04	2418.92	2418.91	2421.06	0.005094	12.14	6754.88	1948.44	0.85
Reach 1	11.43678	64000.00	2407.05	2419.09	2415.01	2419.62	0.000983	6.44	14513.90	2966.13	0.39
Reach 1	11.34206	64000.00	2406.00	2418.53	2413.46	2419.17	0.000775	6.65	11499.55	3040.36	0.36
Reach 1	11.24739	64000.00	2403.95	2418.57	2411.78	2418.82	0.000309	4.67	23318.67	3348.12	0.23
Reach 1	11.15268	64000.00	2402.15	2417.60	2413.90	2418.50	0.000948	8.62	11914.36	1504.72	0.41
Reach 1	11.10667	64000.00	2402.33	2415.98	2412.01	2418.08	0.001864	11.61	5513.52	496.09	0.57
Reach 1	11.093	Bridge									
Reach 1	11.07861	64000.00	2401.71	2412.24	2412.24	2416.46	0.006446	16.48	3883.76	2321.76	0.99
Reach 1	11.02010	64000.00	2400.66	2410.18	2410.18	2411.65	0.003586	11.84	10475.10	2700.85	0.74
Reach 1	10.94434	64000.00	2398.98	2408.41	2408.41	2408.81	0.001400	7.21	17044.31	3008.03	0.46
Reach 1	10.86857	64000.00	2397.66	2406.63	2405.92	2407.19	0.002138	8.51	15072.92	3241.28	0.56
Reach 1	10.77389	64000.00	2396.29	2405.91	2404.52	2406.37	0.001256	7.32	17654.56	3418.94	0.44
Reach 1	10.67920	64000.00	2392.62	2404.09	2401.75	2405.48	0.002038	9.78	7995.03	2930.42	0.57
Reach 1	10.58449	64000.00	2390.50	2400.91	2400.91	2403.83	0.005089	13.87	5283.11	2184.77	0.87
Reach 1	10.48980	64000.00	2388.30	2399.63	2397.16	2400.88	0.002398	10.71	9826.36	1546.98	0.62
Reach 1	10.39512	64000.00	2386.79	2397.28		2399.28	0.004243	13.24	7799.70	1421.68	0.81
Reach 1	10.30040	64000.00	2385.24	2395.56		2397.42	0.003343	12.24	7826.71	1653.99	0.72
Reach 1	10.20570	64000.00	2381.88	2394.72		2396.07	0.001819	10.21	9836.46	1840.43	0.55
Reach 1	10.11100	64000.00	2380.42	2394.34	2390.99	2395.23	0.001107	8.40	12426.97	2406.68	0.44
Reach 1	10.01632	64000.00	2378.54	2391.42	2390.62	2394.14	0.003523	14.13	6186.83	1910.86	0.76
Reach 1	9.852127	64000.00	2375.10	2390.72		2391.82	0.001404	10.23	12782.24	2030.43	0.50
Reach 1	9.757690	64000.00	2372.46	2390.58	2386.00	2391.20	0.000682	7.79	17556.17	2460.40	0.35
Reach 1	9.709965	64000.00	2371.28	2390.25	2384.84	2391.00	0.000703	8.48	17063.91	2654.27	0.37
Reach 1	9.705	Bridge									
Reach 1	9.702940	64000.00	2371.09	2384.65	2384.65	2390.25	0.005942	19.00	3369.22	1452.79	1.00
Reach 1	9.640341	64000.00	2369.75	2384.33	2384.33	2386.72	0.002853	13.63	8832.58	2263.87	0.69
Reach 1	9.554404	64000.00	2367.99	2382.82	2382.82	2384.90	0.002722	13.43	10391.99	2638.97	0.68
Reach 1	9.468775	64000.00	2368.45	2381.47		2383.17	0.002770	13.10	12771.66	3669.51	0.68
Reach 1	9.381976	64000.00	2367.40	2380.27	2380.27	2381.88	0.002714	12.99	13188.83	3607.15	0.67
Reach 1	9.295811	64000.00	2364.70	2378.31		2379.99	0.003131	13.29	12512.10	3424.48	0.71
Reach 1	9.201656	64000.00	2363.89	2377.31		2378.55	0.002276	11.68	14225.53	3469.71	0.61
Reach 1	9.096236	64000.00	2361.32	2376.23		2377.37	0.002183	11.10	14518.97	3567.94	0.60
Reach 1	9.000050	64000.00	2359.67	2374.92	2374.66	2376.37	0.001952	12.10	14324.27	3794.95	0.58
Reach 1	8.906204	64000.00	2356.22	2373.35	2373.35	2375.30	0.002165	13.53	12139.28	3465.85	0.62
Reach 1	8.811113	64000.00	2355.49	2371.83	2371.83	2373.30	0.001888	12.37	14306.99	3454.86	0.58
Reach 1	8.715289	64000.00	2354.57	2369.68	2369.68	2371.72	0.002581	13.95	11836.67	3241.39	0.67
Reach 1	8.620723	64000.00	2352.93	2368.26	2368.23	2370.26	0.002330	13.48	11855.32	3252.26	0.64
Reach 1	8.525006	64000.00	2350.14	2367.12	2367.12	2369.11	0.002308	13.78	12405.02	3037.02	0.64
Reach 1	8.431284	64000.00	2347.85	2365.99	2365.03	2367.45	0.001589	12.12	13677.97	2608.05	0.54
Reach 1	8.395467	64000.00	2347.93	2365.92	2364.45	2367.11	0.001365	10.93	14549.03	2711.98	0.50
Reach 1	8.394	Bridge									
Reach 1	8.392508	64000.00	2347.87	2365.45	2364.35	2366.72	0.001516	11.31	13594.06	2543.01	0.52
Reach 1	8.334032	64000.00	2346.98	2364.89	2363.60	2366.25	0.001446	11.36	13633.74	3086.36	0.51
Reach 1	8.253147	64000.00	2345.89	2363.39	2363.39	2365.48	0.002012	13.28	10802.60	3022.53	0.60
Reach 1	8.162789	64000.00	2344.30	2361.12	2361.12	2363.49	0.002394	14.04	9387.56	2395.96	0.65
Reach 1	8.065505	64000.00	2342.37	2359.33	2359.33	2361.92	0.002651	14.05	8134.54	2143.70	0.68
Reach 1	7.971442	64000.00	2340.73	2357.49	2357.49	2360.22	0.002884	14.22	7538.22	1901.17	0.70
Reach 1	7.882413	64000.00	2339.10	2355.10	2354.33	2357.48	0.002513	12.97	7546.49	1932.86	0.66
Reach 1	7.785057	64000.00	2337.52	2352.30	2351.11	2355.85	0.003418	15.49	5185.68	1508.26	0.77
Reach 1	7.691030	64000.00	2335.40	2350.21	2348.53	2354.10	0.003495	16.00	4760.21	1030.21	0.78
Reach 1	7.598445	64000.00	2332.94	2349.04	2346.91	2352.35	0.003085	14.73	5024.98	1064.00	0.73
Reach 1	7.512586	64000.00	2331.98	2348.18	2345.13	2350.99	0.002326	13.81	6367.18	1574.54	0.65
Reach 1	7.425513	64000.00	2330.66	2346.93	2343.57	2349.88	0.002385	14.08	6041.81	1785.25	0.65
Reach 1	7.363233	64000.00	2329.62	2347.71	2341.85	2348.86	0.000998	9.45	13074.63	3215.69	0.43
Reach 1	7.354	Bridge									
Reach 1	7.345907	64000.00	2329.45	2344.63	2341.87	2347.81	0.002907	14.32	4468.25	1423.58	0.71
Reach 1	7.283078	64000.00	2328.38	2344.18	2344.18	2346.76	0.002374	13.78	8209.70	2418.74	0.65
Reach 1	7.188000	64000.00	2326.69	2342.26	2342.26	2344.99	0.002452	14.00	7737.12	2376.64	0.66
Reach 1	7.093081	64000.00	2324.26	2340.74	2340.74	2343.33	0.002309	13.76	8390.50	2604.28	0.64
Reach 1	7.000013	64000.00	2322.39	2336.92	2335.29	2340.66	0.003550	15.66	4693.73	1481.47	0.78
Reach 1	6.912727	64000.00	2320.68	2336.61	2332.80	2339.05	0.002055	12.78	6490.54	2193.41	0.60
Reach 1	6.841562	64000.00	2318.75	2335.84	2331.48	2338.30	0.001969	12.71	6065.73	1699.71	0.59

HEC-RAS Plan: 500-Year River: Rillito Reach: Reach 1 Profile: PF 1 (Continued)

Reach	River Sta	Q Total	Min Ch El	W.S. Elev	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/s)	(sq ft)	(ft)	
Reach 1	6.84	Bridge									
Reach 1	6.837464	64000.00	2318.86	2333.58	2331.36	2337.23	0.003379	15.34	4173.34	360.08	0.76
Reach 1	6.813656	64000.00	2318.34	2332.97	2331.01	2336.77	0.003600	15.66	4086.52	328.96	0.78
Reach 1	6.717097	64000.00	2317.14	2331.00	2329.35	2334.86	0.003870	15.78	4059.30	376.35	0.81
Reach 1	6.637459	64000.00	2315.21	2330.37	2326.99	2333.30	0.002471	13.76	4844.31	657.64	0.66
Reach 1	6.528182	64000.00	2313.02	2327.55	2325.84	2331.46	0.003833	15.87	4094.91	558.49	0.80
Reach 1	6.428960	64000.00	2310.75	2325.59	2323.83	2329.46	0.003732	15.80	4174.41	494.78	0.79
Reach 1	6.339065	64000.00	2309.18	2324.14	2321.93	2327.69	0.003351	15.13	4279.09	394.89	0.76
Reach 1	6.273025	64000.00	2308.07	2323.79	2320.12	2326.46	0.002296	13.11	4882.71	1441.37	0.63
Reach 1	6.27	Bridge									
Reach 1	6.258328	64000.00	2308.34	2321.88	2319.87	2325.35	0.003465	14.94	4282.46	360.89	0.76
Reach 1	6.179000	64000.00	2305.87	2318.17	2318.17	2323.28	0.006256	18.14	3527.83	346.13	1.00

HEC-RAS Plan: 100 Year River: Rillito Reach: Reach 1 Profile: PF 1

Reach	River Sta	Q Total	Min Ch El	W.S. Elev	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/s)	(sq ft)	(ft)	
Reach 1	12.16132	32000.00	2424.07	2435.17	2430.46	2435.76	0.000809	6.17	5189.73	561.42	0.36
Reach 1	12.09941	32000.00	2422.48	2434.39	2430.02	2435.40	0.001236	8.06	4001.71	472.17	0.45
Reach 1	12.00495	32000.00	2420.79	2430.20	2430.20	2433.97	0.005823	15.62	2167.59	430.16	0.94
Reach 1	11.91024	32000.00	2419.06	2426.82	2426.82	2430.23	0.007007	14.81	2160.69	316.80	1.00
Reach 1	11.81556	32000.00	2415.15	2423.08	2423.08	2426.15	0.007267	14.05	2278.38	372.99	1.00
Reach 1	11.72086	32000.00	2413.61	2421.66	2420.30	2422.53	0.003000	7.46	4287.93	943.91	0.62
Reach 1	11.62617	32000.00	2411.98	2419.44	2418.52	2420.73	0.004173	9.13	3518.71	793.40	0.73
Reach 1	11.53146	32000.00	2409.04	2416.70	2416.27	2418.24	0.006014	9.98	3207.76	762.78	0.86
Reach 1	11.43678	32000.00	2407.05	2414.78	2413.71	2415.76	0.003674	7.97	4016.09	925.75	0.67
Reach 1	11.34206	32000.00	2406.00	2413.99	2411.34	2414.58	0.001383	6.16	5194.05	1584.60	0.44
Reach 1	11.24739	32000.00	2403.95	2413.59	2409.52	2414.02	0.000791	5.32	6342.56	1161.31	0.34
Reach 1	11.15268	32000.00	2402.15	2411.83	2409.56	2413.28	0.002461	9.70	3540.68	649.27	0.61
Reach 1	11.10667	32000.00	2402.33	2411.52	2408.64	2412.67	0.001875	8.63	3708.75	454.57	0.53
Reach 1	11.093	Bridge									
Reach 1	11.07861	32000.00	2401.71	2410.01	2408.98	2411.93	0.004273	11.13	2875.89	447.16	0.77
Reach 1	11.02010	32000.00	2400.66	2408.79	2407.55	2410.65	0.003897	10.93	3005.78	647.59	0.74
Reach 1	10.94434	32000.00	2398.98	2407.86	2405.94	2409.22	0.002669	9.48	3617.74	611.64	0.62
Reach 1	10.86857	32000.00	2397.66	2405.26	2404.82	2407.60	0.005882	12.28	2606.07	447.59	0.89
Reach 1	10.77389	32000.00	2396.29	2402.18	2402.18	2404.27	0.007220	12.06	3071.05	731.81	0.96
Reach 1	10.67920	32000.00	2392.62	2400.79	2398.78	2401.80	0.002322	8.06	3968.39	636.47	0.57
Reach 1	10.58449	32000.00	2390.50	2397.57	2397.40	2399.82	0.007004	12.04	2658.79	535.90	0.95
Reach 1	10.48980	32000.00	2388.30	2396.76	2395.04	2397.55	0.002309	8.24	5667.52	1075.60	0.57
Reach 1	10.39512	32000.00	2386.79	2394.90	2394.17	2396.09	0.003710	9.90	4820.95	1158.22	0.71
Reach 1	10.30040	32000.00	2385.24	2392.14		2393.88	0.005368	11.23	3691.17	958.69	0.85
Reach 1	10.20570	32000.00	2381.88	2391.39		2392.21	0.001728	7.75	5238.54	977.97	0.50
Reach 1	10.11100	32000.00	2380.42	2390.53	2387.58	2391.38	0.001524	7.55	5104.84	1528.33	0.48
Reach 1	10.01632	32000.00	2378.54	2388.83	2387.05	2390.34	0.002637	10.15	3872.11	1767.65	0.63
Reach 1	9.852127	32000.00	2375.10	2386.33		2388.00	0.002728	10.82	3939.74	783.26	0.65
Reach 1	9.757690	32000.00	2372.46	2385.89	2381.70	2386.91	0.001274	8.35	4793.28	717.21	0.45
Reach 1	9.709965	32000.00	2371.28	2385.23	2380.29	2386.55	0.001337	9.22	3472.14	378.26	0.47
Reach 1	9.705	Bridge									
Reach 1	9.702940	32000.00	2371.09	2382.06	2380.18	2384.40	0.003363	12.28	2605.45	290.22	0.72
Reach 1	9.640341	32000.00	2369.75	2381.52	2378.84	2383.29	0.002418	10.72	3271.60	1066.97	0.62
Reach 1	9.554404	32000.00	2367.99	2380.73	2377.77	2382.22	0.001990	10.18	5134.74	2356.42	0.56
Reach 1	9.468775	32000.00	2368.45	2379.25		2381.11	0.002828	11.56	5189.25	2968.29	0.67
Reach 1	9.381976	32000.00	2367.40	2378.43	2378.43	2379.85	0.002132	10.56	6769.94	3336.22	0.58
Reach 1	9.295811	32000.00	2364.70	2376.63	2376.63	2378.01	0.002216	10.53	6859.56	3125.25	0.59
Reach 1	9.201656	32000.00	2363.89	2374.82		2376.48	0.002509	11.19	5885.98	2894.58	0.63
Reach 1	9.096236	32000.00	2361.32	2373.61		2375.20	0.002180	10.87	5731.61	2464.21	0.59
Reach 1	9.000050	32000.00	2359.67	2371.46	2369.24	2373.85	0.003127	12.61	3433.55	1749.55	0.70
Reach 1	8.906204	32000.00	2356.22	2370.04	2367.24	2372.43	0.002616	12.55	3212.06	1162.28	0.66
Reach 1	8.811113	32000.00	2355.49	2368.56	2366.06	2371.05	0.002835	12.85	3128.02	895.32	0.68
Reach 1	8.715289	32000.00	2354.57	2366.56	2364.70	2369.42	0.003503	13.61	2487.14	514.89	0.75
Reach 1	8.620723	32000.00	2352.93	2365.61	2362.52	2367.78	0.002391	11.84	2781.32	370.58	0.63
Reach 1	8.525006	32000.00	2350.14	2362.75	2361.25	2366.13	0.004079	14.76	2168.26	208.08	0.81
Reach 1	8.431284	32000.00	2347.85	2361.26	2359.09	2364.18	0.003276	13.73	2406.05	341.51	0.73
Reach 1	8.395467	32000.00	2347.93	2360.81	2358.51	2363.50	0.003252	13.16	2431.03	338.38	0.72
Reach 1	8.394	Bridge									
Reach 1	8.392508	32000.00	2347.87	2360.46	2358.42	2363.34	0.003611	13.61	2363.09	251.21	0.76
Reach 1	8.334032	32000.00	2346.98	2359.67	2357.18	2362.21	0.003060	12.82	2604.25	364.90	0.70
Reach 1	8.253147	32000.00	2345.89	2357.98	2355.89	2360.80	0.003482	13.49	2415.35	323.84	0.74
Reach 1	8.162789	32000.00	2344.30	2356.29	2354.24	2359.16	0.003408	13.60	2378.45	300.91	0.74
Reach 1	8.065505	32000.00	2342.37	2354.75	2352.46	2357.26	0.003600	12.73	2514.61	277.54	0.75
Reach 1	7.971442	32000.00	2340.73	2351.20	2350.60	2354.90	0.005821	15.43	2074.18	243.59	0.93
Reach 1	7.882413	32000.00	2339.10	2350.15		2352.31	0.003605	11.79	2714.65	338.32	0.73
Reach 1	7.785057	32000.00	2337.52	2347.65	2346.55	2350.23	0.004386	12.90	2520.21	412.42	0.81
Reach 1	7.691030	32000.00	2335.40	2345.87		2348.21	0.003530	12.27	2611.46	321.00	0.73
Reach 1	7.598445	32000.00	2332.94	2344.24		2346.49	0.003510	12.04	2658.24	313.69	0.73
Reach 1	7.512586	32000.00	2331.98	2342.88		2344.98	0.002999	11.62	2754.88	304.48	0.68
Reach 1	7.425513	32000.00	2330.66	2341.53		2343.63	0.002854	11.62	2753.66	292.72	0.67
Reach 1	7.363233	32000.00	2329.62	2341.22	2337.85	2342.68	0.001875	9.69	3301.82	337.40	0.55
Reach 1	7.354	Bridge									
Reach 1	7.345907	32000.00	2329.45	2340.58	2337.90	2342.26	0.002374	10.42	3072.12	337.28	0.61
Reach 1	7.283078	32000.00	2328.38	2338.64		2341.20	0.003684	12.86	2488.61	274.90	0.75
Reach 1	7.188000	32000.00	2326.69	2337.10		2339.42	0.003169	12.21	2620.95	278.79	0.70
Reach 1	7.093081	32000.00	2324.26	2333.93	2333.38	2337.25	0.005549	14.62	2188.46	271.11	0.91
Reach 1	7.000013	32000.00	2322.39	2332.42		2334.77	0.003667	12.30	2601.27	307.62	0.75
Reach 1	6.912727	32000.00	2320.68	2331.55		2333.22	0.002372	10.40	3078.06	338.32	0.61
Reach 1	6.841562	32000.00	2318.75	2330.92	2327.35	2332.39	0.001811	9.74	3286.28	324.17	0.54

HEC-RAS Plan: 100 Year River: Rillito Reach: Reach 1 Profile: PF 1 (Continued)

Reach	River Sta	Q Total	Min Ch El	W.S. Elev	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/s)	(sq ft)	(ft)	
Reach 1	6.84	Bridge									
Reach 1	6.837464	32000.00	2318.86	2329.22	2327.30	2331.31	0.003189	11.61	2755.20	319.95	0.70
Reach 1	6.813656	32000.00	2318.34	2328.77	2326.93	2330.90	0.003256	11.71	2731.77	317.72	0.70
Reach 1	6.717097	32000.00	2317.14	2326.43	2325.40	2328.93	0.004478	12.70	2520.08	330.28	0.81
Reach 1	6.637459	32000.00	2315.21	2325.60	2323.00	2327.34	0.002454	10.57	3026.75	332.04	0.62
Reach 1	6.528182	32000.00	2313.02	2323.21	2321.79	2325.54	0.003847	12.26	2610.26	321.23	0.76
Reach 1	6.428960	32000.00	2310.75	2321.17	2319.76	2323.52	0.003866	12.29	2603.24	319.59	0.76
Reach 1	6.339065	32000.00	2309.18	2319.13	2317.99	2321.58	0.004283	12.55	2550.15	328.94	0.79
Reach 1	6.273025	32000.00	2308.07	2318.35	2316.24	2320.18	0.002855	10.86	2947.11	348.69	0.66
Reach 1	6.27	Bridge									
Reach 1	6.258328	32000.00	2308.34	2317.73	2316.04	2319.75	0.003354	11.39	2808.33	349.30	0.71
Reach 1	6.179000	32000.00	2305.87	2316.70	2314.28	2318.44	0.002576	10.59	3021.59	342.62	0.63

Plan: 100 Year Rillito Reach 1 RS: 12.16132 Profile: PF 1

E.G. Elev (ft)	2435.76	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.59	Wt. n-Val.		0.030	
W.S. Elev (ft)	2435.17	Reach Len. (ft)	361.36	326.09	304.75
Crit W.S. (ft)	2430.46	Flow Area (sq ft)		5189.73	
E.G. Slope (ft/ft)	0.000809	Area (sq ft)		5189.73	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	561.42	Top Width (ft)		561.42	
Vel Total (ft/s)	6.17	Avg. Vel. (ft/s)		6.17	
Max Chl Dpth (ft)	11.10	Hydr. Depth (ft)		9.24	
Conv. Total (cfs)	1125373.0	Conv. (cfs)		1125373.0	
Length Wtd. (ft)	326.08	Wetted Per. (ft)		566.54	
Min Ch El (ft)	2424.07	Shear (lb/sq ft)		0.46	
Alpha	1.00	Stream Power (lb/ft s)		2.85	
Frctn Loss (ft)	0.32	Cum Volume (acre-ft)	152.29	2079.96	270.79
C & E Loss (ft)	0.04	Cum SA (acres)	83.04	272.81	226.23

Plan: 100 Year Rillito Reach 1 RS: 12.09941 Profile: PF 1

E.G. Elev (ft)	2435.40	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.01	Wt. n-Val.	0.060	0.030	0.060
W.S. Elev (ft)	2434.39	Reach Len. (ft)	525.48	498.32	484.56
Crit W.S. (ft)	2430.02	Flow Area (sq ft)	0.03	3967.93	33.76
E.G. Slope (ft/ft)	0.001236	Area (sq ft)	0.03	3967.93	33.76
Q Total (cfs)	32000.00	Flow (cfs)	0.00	31983.34	16.66
Top Width (ft)	472.17	Top Width (ft)	0.32	392.74	79.11
Vel Total (ft/s)	8.00	Avg. Vel. (ft/s)	0.15	8.06	0.49
Max Chl Dpth (ft)	11.91	Hydr. Depth (ft)	0.08	10.10	0.43
Conv. Total (cfs)	910200.7	Conv. (cfs)	0.1	909726.8	473.8
Length Wtd. (ft)	498.27	Wetted Per. (ft)	0.36	398.43	79.13
Min Ch El (ft)	2422.48	Shear (lb/sq ft)	0.01	0.77	0.03
Alpha	1.02	Stream Power (lb/ft s)	0.00	6.19	0.02
Frctn Loss (ft)	1.15	Cum Volume (acre-ft)	152.29	2045.68	270.68
C & E Loss (ft)	0.28	Cum SA (acres)	83.04	269.24	225.95

Plan: 100 Year Rillito Reach 1 RS: 12.00495 Profile: PF 1

E.G. Elev (ft)	2433.97	Element	Left OB	Channel	Right OB
Vel Head (ft)	3.77	Wt. n-Val.		0.030	0.060
W.S. Elev (ft)	2430.20	Reach Len. (ft)	511.27	500.05	489.99
Crit W.S. (ft)	2430.20	Flow Area (sq ft)		2035.48	132.11
E.G. Slope (ft/ft)	0.005823	Area (sq ft)		2035.48	132.11
Q Total (cfs)	32000.00	Flow (cfs)		31802.37	197.63
Top Width (ft)	430.16	Top Width (ft)		236.39	193.77
Vel Total (ft/s)	14.76	Avg. Vel. (ft/s)		15.62	1.50
Max Chl Dpth (ft)	9.41	Hydr. Depth (ft)		8.61	0.68
Conv. Total (cfs)	419350.4	Conv. (cfs)		416760.6	2589.8
Length Wtd. (ft)	500.02	Wetted Per. (ft)		242.18	193.93
Min Ch El (ft)	2420.79	Shear (lb/sq ft)		3.06	0.25
Alpha	1.11	Stream Power (lb/ft s)		47.74	0.37
Frctn Loss (ft)	3.19	Cum Volume (acre-ft)	152.29	2011.34	269.75
C & E Loss (ft)	0.11	Cum SA (acres)	83.04	265.64	224.43

Plan: 100 Year Rillito Reach 1 RS: 11.91024 Profile: PF 1

E.G. Elev (ft)	2430.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	3.41	Wt. n-Val.		0.030	
W.S. Elev (ft)	2426.82	Reach Len. (ft)	500.68	499.91	501.10
Crit W.S. (ft)	2426.82	Flow Area (sq ft)		2160.69	
E.G. Slope (ft/ft)	0.007007	Area (sq ft)		2160.69	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	316.80	Top Width (ft)		316.80	
Vel Total (ft/s)	14.81	Avg. Vel. (ft/s)		14.81	
Max Chl Dpth (ft)	7.76	Hydr. Depth (ft)		6.82	
Conv. Total (cfs)	382294.6	Conv. (cfs)		382294.6	
Length Wtd. (ft)	499.91	Wetted Per. (ft)		320.03	
Min Ch El (ft)	2419.06	Shear (lb/sq ft)		2.95	
Alpha	1.00	Stream Power (lb/ft s)		43.74	
Frctn Loss (ft)	3.57	Cum Volume (acre-ft)	152.29	1987.26	269.01
C & E Loss (ft)	0.10	Cum SA (acres)	83.04	262.46	223.34

Plan: 100 Year Rillito Reach 1 RS: 11.81556 Profile: PF 1

E.G. Elev (ft)	2426.15	Element	Left OB	Channel	Right OB
Vel Head (ft)	3.06	Wt. n-Val.		0.030	
W.S. Elev (ft)	2423.08	Reach Len. (ft)	532.84	499.28	478.99
Crit W.S. (ft)	2423.08	Flow Area (sq ft)		2278.38	
E.G. Slope (ft/ft)	0.007267	Area (sq ft)		2278.38	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	372.99	Top Width (ft)		372.99	
Vel Total (ft/s)	14.05	Avg. Vel. (ft/s)		14.05	
Max Chl Dpth (ft)	7.93	Hydr. Depth (ft)		6.11	
Conv. Total (cfs)	375392.6	Conv. (cfs)		375392.6	
Length Wtd. (ft)	499.28	Wetted Per. (ft)		375.53	
Min Ch El (ft)	2415.15	Shear (lb/sq ft)		2.75	
Alpha	1.00	Stream Power (lb/ft s)		38.66	
Frctn Loss (ft)	2.22	Cum Volume (acre-ft)	152.29	1961.79	269.01
C & E Loss (ft)	0.66	Cum SA (acres)	83.04	258.50	223.34

Plan: 100 Year Rillito Reach 1 RS: 11.72086 Profile: PF 1

E.G. Elev (ft)	2422.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.86	Wt. n-Val.	0.060	0.030	
W.S. Elev (ft)	2421.66	Reach Len. (ft)	557.30	498.61	452.26
Crit W.S. (ft)	2420.30	Flow Area (sq ft)	0.40	4287.53	
E.G. Slope (ft/ft)	0.003000	Area (sq ft)	0.40	4287.53	
Q Total (cfs)	32000.00	Flow (cfs)	0.09	31999.91	
Top Width (ft)	943.91	Top Width (ft)	5.65	938.27	
Vel Total (ft/s)	7.46	Avg. Vel. (ft/s)	0.23	7.46	
Max Chl Dpth (ft)	8.05	Hydr. Depth (ft)	0.07	4.57	
Conv. Total (cfs)	584274.3	Conv. (cfs)	1.7	584272.6	
Length Wtd. (ft)	498.62	Wetted Per. (ft)	5.65	939.52	
Min Ch El (ft)	2413.61	Shear (lb/sq ft)	0.01	0.85	
Alpha	1.00	Stream Power (lb/ft s)	0.00	6.38	
Frctn Loss (ft)	1.75	Cum Volume (acre-ft)	152.29	1924.16	269.01
C & E Loss (ft)	0.04	Cum SA (acres)	83.00	250.99	223.34

Plan: 100 Year Rillito Reach 1 RS: 11.62617 Profile: PF 1

E.G. Elev (ft)	2420.73	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.29	Wt. n-Val.	0.060	0.030	0.060
W.S. Elev (ft)	2419.44	Reach Len. (ft)	591.32	496.15	402.82
Crit W.S. (ft)	2418.52	Flow Area (sq ft)	14.08	3504.55	0.08
E.G. Slope (ft/ft)	0.004173	Area (sq ft)	14.08	3504.55	0.08
Q Total (cfs)	32000.00	Flow (cfs)	7.88	31992.10	0.02
Top Width (ft)	793.40	Top Width (ft)	68.06	723.70	1.65
Vel Total (ft/s)	9.09	Avg. Vel. (ft/s)	0.56	9.13	0.22
Max Chl Dpth (ft)	7.46	Hydr. Depth (ft)	0.21	4.84	0.05
Conv. Total (cfs)	495363.3	Conv. (cfs)	121.9	495241.0	0.3
Length Wtd. (ft)	496.16	Wetted Per. (ft)	68.06	727.22	1.66
Min Ch El (ft)	2411.98	Shear (lb/sq ft)	0.05	1.26	0.01
Alpha	1.01	Stream Power (lb/ft s)	0.03	11.46	0.00
Frctn Loss (ft)	2.46	Cum Volume (acre-ft)	152.19	1879.56	269.01
C & E Loss (ft)	0.03	Cum SA (acres)	82.53	241.48	223.33

Plan: 100 Year Rillito Reach 1 RS: 11.53146 Profile: PF 1

E.G. Elev (ft)	2418.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.55	Wt. n-Val.		0.030	
W.S. Elev (ft)	2416.70	Reach Len. (ft)	500.84	499.92	501.14
Crit W.S. (ft)	2416.27	Flow Area (sq ft)		3207.76	
E.G. Slope (ft/ft)	0.006014	Area (sq ft)		3207.76	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	762.78	Top Width (ft)		762.78	
Vel Total (ft/s)	9.98	Avg. Vel. (ft/s)		9.98	
Max Chl Dpth (ft)	7.66	Hydr. Depth (ft)		4.21	
Conv. Total (cfs)	412650.3	Conv. (cfs)		412650.3	
Length Wtd. (ft)	499.92	Wetted Per. (ft)		766.37	
Min Ch El (ft)	2409.04	Shear (lb/sq ft)		1.57	
Alpha	1.00	Stream Power (lb/ft s)		15.68	
Frctn Loss (ft)	2.31	Cum Volume (acre-ft)	152.10	1841.34	269.01
C & E Loss (ft)	0.17	Cum SA (acres)	82.07	233.01	223.33

Plan: 100 Year Rillito Reach 1 RS: 11.43678 Profile: PF 1

E.G. Elev (ft)	2415.76	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.99	Wt. n-Val.		0.030	
W.S. Elev (ft)	2414.78	Reach Len. (ft)	499.62	500.08	504.07
Crit W.S. (ft)	2413.71	Flow Area (sq ft)		4016.09	
E.G. Slope (ft/ft)	0.003674	Area (sq ft)		4016.09	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	925.75	Top Width (ft)		925.75	
Vel Total (ft/s)	7.97	Avg. Vel. (ft/s)		7.97	
Max Chl Dpth (ft)	7.73	Hydr. Depth (ft)		4.34	
Conv. Total (cfs)	527946.5	Conv. (cfs)		527946.5	
Length Wtd. (ft)	500.08	Wetted Per. (ft)		928.83	
Min Ch El (ft)	2407.05	Shear (lb/sq ft)		0.99	
Alpha	1.00	Stream Power (lb/ft s)		7.90	
Frctn Loss (ft)	1.06	Cum Volume (acre-ft)	152.10	1799.88	269.01
C & E Loss (ft)	0.12	Cum SA (acres)	82.07	223.32	223.33

Plan: 100 Year Rillito Reach 1 RS: 11.34206 Profile: PF 1

E.G. Elev (ft)	2414.58	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.59	Wt. n-Val.		0.030	
W.S. Elev (ft)	2413.99	Reach Len. (ft)	505.82	499.88	502.10
Crit W.S. (ft)	2411.34	Flow Area (sq ft)		5194.05	
E.G. Slope (ft/ft)	0.001383	Area (sq ft)	235.54	5194.05	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	1584.60	Top Width (ft)	739.89	844.71	
Vel Total (ft/s)	6.16	Avg. Vel. (ft/s)		6.16	
Max Chl Dpth (ft)	7.99	Hydr. Depth (ft)		6.15	
Conv. Total (cfs)	860630.1	Conv. (cfs)		860630.1	
Length Wtd. (ft)	499.91	Wetted Per. (ft)		848.89	
Min Ch El (ft)	2406.00	Shear (lb/sq ft)		0.53	
Alpha	1.00	Stream Power (lb/ft s)		3.25	
Frctn Loss (ft)	0.51	Cum Volume (acre-ft)	150.75	1747.02	269.01
C & E Loss (ft)	0.05	Cum SA (acres)	77.83	213.16	223.33

Plan: 100 Year Rillito Reach 1 RS: 11.24739 Profile: PF 1

E.G. Elev (ft)	2414.02	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.44	Wt. n-Val.	0.060	0.030	
W.S. Elev (ft)	2413.59	Reach Len. (ft)	496.89	500.04	506.92
Crit W.S. (ft)	2409.52	Flow Area (sq ft)	381.59	5960.97	
E.G. Slope (ft/ft)	0.000791	Area (sq ft)	381.59	5960.97	
Q Total (cfs)	32000.00	Flow (cfs)	271.55	31728.45	
Top Width (ft)	1161.31	Top Width (ft)	369.38	791.93	
Vel Total (ft/s)	5.05	Avg. Vel. (ft/s)	0.71	5.32	
Max Chl Dpth (ft)	9.64	Hydr. Depth (ft)	1.03	7.53	
Conv. Total (cfs)	1138010.0	Conv. (cfs)	9657.1	1128353.0	
Length Wtd. (ft)	500.01	Wetted Per. (ft)	369.40	797.88	
Min Ch El (ft)	2403.95	Shear (lb/sq ft)	0.05	0.37	
Alpha	1.10	Stream Power (lb/ft s)	0.04	1.96	
Frctn Loss (ft)	0.64	Cum Volume (acre-ft)	147.16	1683.01	269.01
C & E Loss (ft)	0.10	Cum SA (acres)	71.39	203.77	223.33

Plan: 100 Year Rillito Reach 1 RS: 11.15268 Profile: PF 1

E.G. Elev (ft)	2413.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.44	Wt. n-Val.	0.060	0.030	
W.S. Elev (ft)	2411.83	Reach Len. (ft)	243.27	242.94	242.99
Crit W.S. (ft)	2409.56	Flow Area (sq ft)	283.22	3257.46	
E.G. Slope (ft/ft)	0.002461	Area (sq ft)	283.22	3257.46	
Q Total (cfs)	32000.00	Flow (cfs)	389.63	31610.37	
Top Width (ft)	649.27	Top Width (ft)	238.90	410.38	
Vel Total (ft/s)	9.04	Avg. Vel. (ft/s)	1.38	9.70	
Max Chl Dpth (ft)	9.68	Hydr. Depth (ft)	1.19	7.94	
Conv. Total (cfs)	645012.8	Conv. (cfs)	7853.5	637159.3	
Length Wtd. (ft)	242.94	Wetted Per. (ft)	239.04	415.08	
Min Ch El (ft)	2402.15	Shear (lb/sq ft)	0.18	1.21	
Alpha	1.14	Stream Power (lb/ft s)	0.25	11.70	
Frctn Loss (ft)	0.52	Cum Volume (acre-ft)	143.37	1630.10	269.01
C & E Loss (ft)	0.09	Cum SA (acres)	67.92	196.87	223.33

Plan: 100 Year Rillito Reach 1 RS: 11.10667 Profile: PF 1

E.G. Elev (ft)	2412.67	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.16	Wt. n-Val.		0.030	
W.S. Elev (ft)	2411.52	Reach Len. (ft)	11.00	11.00	11.00
Crit W.S. (ft)	2408.64	Flow Area (sq ft)		3708.75	
E.G. Slope (ft/ft)	0.001875	Area (sq ft)		3708.75	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	454.57	Top Width (ft)		454.57	
Vel Total (ft/s)	8.63	Avg. Vel. (ft/s)		8.63	
Max Chl Dpth (ft)	9.19	Hydr. Depth (ft)		8.16	
Conv. Total (cfs)	738952.9	Conv. (cfs)		738952.9	
Length Wtd. (ft)	11.00	Wetted Per. (ft)		459.68	
Min Ch El (ft)	2402.33	Shear (lb/sq ft)		0.94	
Alpha	1.00	Stream Power (lb/ft s)		8.15	
Frctn Loss (ft)	0.03	Cum Volume (acre-ft)	142.58	1610.67	269.01
C & E Loss (ft)	0.03	Cum SA (acres)	67.25	194.46	223.33

Plan: 100 Year Rillito Reach 1 RS: 11.093 BR U Profile: PF 1

E.G. Elev (ft)	2412.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.48	Wt. n-Val.		0.030	
W.S. Elev (ft)	2411.13	Reach Len. (ft)	105.00	105.00	105.00
Crit W.S. (ft)	2408.94	Flow Area (sq ft)		3283.09	
E.G. Slope (ft/ft)	0.003465	Area (sq ft)		3283.09	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	421.53	Top Width (ft)		421.53	
Vel Total (ft/s)	9.75	Avg. Vel. (ft/s)		9.75	
Max Chl Dpth (ft)	8.80	Hydr. Depth (ft)		7.79	
Conv. Total (cfs)	543659.6	Conv. (cfs)		543659.6	
Length Wtd. (ft)	105.00	Wetted Per. (ft)		537.07	
Min Ch El (ft)	2402.33	Shear (lb/sq ft)		1.32	
Alpha	1.00	Stream Power (lb/ft s)		12.89	
Frctn Loss (ft)	0.44	Cum Volume (acre-ft)	142.58	1609.79	269.01
C & E Loss (ft)	0.06	Cum SA (acres)	67.25	194.35	223.33

Plan: 100 Year Rillito Reach 1 RS: 11.093 BR D Profile: PF 1

E.G. Elev (ft)	2412.11	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.03	Wt. n-Val.		0.030	
W.S. Elev (ft)	2410.08	Reach Len. (ft)	32.12	32.12	32.12
Crit W.S. (ft)	2409.10	Flow Area (sq ft)		2798.27	
E.G. Slope (ft/ft)	0.005243	Area (sq ft)		2798.27	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	431.43	Top Width (ft)		431.43	
Vel Total (ft/s)	11.44	Avg. Vel. (ft/s)		11.44	
Max Chl Dpth (ft)	8.37	Hydr. Depth (ft)		6.49	
Conv. Total (cfs)	441919.3	Conv. (cfs)		441919.3	
Length Wtd. (ft)	32.12	Wetted Per. (ft)		491.50	
Min Ch El (ft)	2401.71	Shear (lb/sq ft)		1.86	
Alpha	1.00	Stream Power (lb/ft s)		21.31	
Frctn Loss (ft)	0.15	Cum Volume (acre-ft)	142.58	1602.46	269.01
C & E Loss (ft)	0.03	Cum SA (acres)	67.25	193.32	223.33

Plan: 100 Year Rillito Reach 1 RS: 11.07861 Profile: PF 1

E.G. Elev (ft)	2411.93	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.92	Wt. n-Val.		0.030	
W.S. Elev (ft)	2410.01	Reach Len. (ft)	308.99	308.93	310.01
Crit W.S. (ft)	2408.98	Flow Area (sq ft)		2875.89	
E.G. Slope (ft/ft)	0.004273	Area (sq ft)		2875.89	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	447.16	Top Width (ft)		447.16	
Vel Total (ft/s)	11.13	Avg. Vel. (ft/s)		11.13	
Max Chl Dpth (ft)	8.30	Hydr. Depth (ft)		6.43	
Conv. Total (cfs)	489563.1	Conv. (cfs)		489563.1	
Length Wtd. (ft)	308.93	Wetted Per. (ft)		451.37	
Min Ch El (ft)	2401.71	Shear (lb/sq ft)		1.70	
Alpha	1.00	Stream Power (lb/ft s)		18.91	
Frctn Loss (ft)	1.26	Cum Volume (acre-ft)	142.58	1600.37	269.01
C & E Loss (ft)	0.02	Cum SA (acres)	67.25	192.99	223.33

Plan: 100 Year Rillito Reach 1 RS: 11.02010 Profile: PF 1

E.G. Elev (ft)	2410.65	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.85	Wt. n-Val.		0.030	0.060
W.S. Elev (ft)	2408.79	Reach Len. (ft)	434.04	400.00	369.38
Crit W.S. (ft)	2407.55	Flow Area (sq ft)		2920.03	85.75
E.G. Slope (ft/ft)	0.003897	Area (sq ft)		2920.03	85.75
Q Total (cfs)	32000.00	Flow (cfs)		31926.39	73.61
Top Width (ft)	647.59	Top Width (ft)		435.41	212.18
Vel Total (ft/s)	10.65	Avg. Vel. (ft/s)		10.93	0.86
Max Chl Dpth (ft)	8.13	Hydr. Depth (ft)		6.71	0.40
Conv. Total (cfs)	512588.5	Conv. (cfs)		511409.5	1179.1
Length Wtd. (ft)	399.66	Wetted Per. (ft)		439.16	212.30
Min Ch El (ft)	2400.66	Shear (lb/sq ft)		1.62	0.10
Alpha	1.05	Stream Power (lb/ft s)		17.69	0.08
Frctn Loss (ft)	1.28	Cum Volume (acre-ft)	142.58	1579.82	268.70
C & E Loss (ft)	0.15	Cum SA (acres)	67.25	189.86	222.57

Plan: 100 Year Rillito Reach 1 RS: 10.94434 Profile: PF 1

E.G. Elev (ft)	2409.22	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.37	Wt. n-Val.	0.000	0.030	0.060
W.S. Elev (ft)	2407.86	Reach Len. (ft)	400.41	400.06	400.06
Crit W.S. (ft)	2405.94	Flow Area (sq ft)	0.00	3309.16	308.57
E.G. Slope (ft/ft)	0.002669	Area (sq ft)	0.00	3309.16	308.57
Q Total (cfs)	32000.00	Flow (cfs)	0.00	31361.53	638.46
Top Width (ft)	611.64	Top Width (ft)	0.09	461.84	149.71
Vel Total (ft/s)	8.85	Avg. Vel. (ft/s)	0.08	9.48	2.07
Max Chl Dpth (ft)	11.09	Hydr. Depth (ft)	0.02	7.17	2.06
Conv. Total (cfs)	619374.7	Conv. (cfs)	0.0	607016.9	12357.8
Length Wtd. (ft)	400.06	Wetted Per. (ft)	0.10	464.31	150.05
Min Ch El (ft)	2398.98	Shear (lb/sq ft)		1.19	0.34
Alpha	1.13	Stream Power (lb/ft s)		11.26	0.71
Frctn Loss (ft)	1.52	Cum Volume (acre-ft)	142.58	1551.22	267.03
C & E Loss (ft)	0.10	Cum SA (acres)	67.25	185.74	221.04

Plan: 100 Year Rillito Reach 1 RS: 10.86857 Profile: PF 1

E.G. Elev (ft)	2407.60	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.34	Wt. n-Val.	0.060	0.030	
W.S. Elev (ft)	2405.26	Reach Len. (ft)	484.88	499.76	534.58
Crit W.S. (ft)	2404.82	Flow Area (sq ft)	0.09	2605.97	
E.G. Slope (ft/ft)	0.005882	Area (sq ft)	0.09	2605.97	
Q Total (cfs)	32000.00	Flow (cfs)	0.02	31999.98	
Top Width (ft)	447.59	Top Width (ft)	2.09	445.50	
Vel Total (ft/s)	12.28	Avg. Vel. (ft/s)	0.24	12.28	
Max Chl Dpth (ft)	9.20	Hydr. Depth (ft)	0.05	5.85	
Conv. Total (cfs)	417231.1	Conv. (cfs)	0.3	417230.8	
Length Wtd. (ft)	501.18	Wetted Per. (ft)	2.12	448.41	
Min Ch El (ft)	2397.66	Shear (lb/sq ft)	0.02	2.13	
Alpha	1.00	Stream Power (lb/ft s)	0.00	26.21	
Frctn Loss (ft)	3.26	Cum Volume (acre-ft)	142.58	1524.05	265.62
C & E Loss (ft)	0.07	Cum SA (acres)	67.24	181.58	220.35

Plan: 100 Year Rillito Reach 1 RS: 10.77389 Profile: PF 1

E.G. Elev (ft)	2404.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.10	Wt. n-Val.		0.030	0.060
W.S. Elev (ft)	2402.18	Reach Len. (ft)	505.75	499.94	510.63
Crit W.S. (ft)	2402.18	Flow Area (sq ft)		2436.34	634.72
E.G. Slope (ft/ft)	0.007220	Area (sq ft)		2436.34	634.72
Q Total (cfs)	32000.00	Flow (cfs)		29391.42	2608.58
Top Width (ft)	731.81	Top Width (ft)		500.38	231.42
Vel Total (ft/s)	10.42	Avg. Vel. (ft/s)		12.06	4.11
Max Chl Dpth (ft)	7.36	Hydr. Depth (ft)		4.87	2.74
Conv. Total (cfs)	376606.7	Conv. (cfs)		345906.4	30700.3
Length Wtd. (ft)	500.38	Wetted Per. (ft)		502.01	232.54
Min Ch El (ft)	2396.29	Shear (lb/sq ft)		2.19	1.23
Alpha	1.24	Stream Power (lb/ft s)		26.39	5.06
Frctn Loss (ft)	1.89	Cum Volume (acre-ft)	142.58	1495.13	261.72
C & E Loss (ft)	0.33	Cum SA (acres)	67.23	176.15	218.93

Plan: 100 Year Rillito Reach 1 RS: 10.67920 Profile: PF 1

E.G. Elev (ft)	2401.80	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.01	Wt. n-Val.		0.030	
W.S. Elev (ft)	2400.79	Reach Len. (ft)	404.43	495.32	613.55
Crit W.S. (ft)	2398.78	Flow Area (sq ft)		3968.39	
E.G. Slope (ft/ft)	0.002322	Area (sq ft)		3968.39	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	636.47	Top Width (ft)		636.47	
Vel Total (ft/s)	8.06	Avg. Vel. (ft/s)		8.06	
Max Chl Dpth (ft)	8.17	Hydr. Depth (ft)		6.23	
Conv. Total (cfs)	664010.5	Conv. (cfs)		664010.5	
Length Wtd. (ft)	495.32	Wetted Per. (ft)		639.12	
Min Ch El (ft)	2392.62	Shear (lb/sq ft)		0.90	
Alpha	1.00	Stream Power (lb/ft s)		7.26	
Frctn Loss (ft)	1.85	Cum Volume (acre-ft)	142.58	1458.38	258.00
C & E Loss (ft)	0.12	Cum SA (acres)	67.23	169.63	217.57

Plan: 100 Year Rillito Reach 1 RS: 10.58449 Profile: PF 1

E.G. Elev (ft)	2399.82	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.25	Wt. n-Val.		0.030	
W.S. Elev (ft)	2397.57	Reach Len. (ft)	463.40	498.05	548.33
Crit W.S. (ft)	2397.40	Flow Area (sq ft)		2658.79	
E.G. Slope (ft/ft)	0.007004	Area (sq ft)		2658.79	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	535.90	Top Width (ft)		535.90	
Vel Total (ft/s)	12.04	Avg. Vel. (ft/s)		12.04	
Max Chl Dpth (ft)	7.07	Hydr. Depth (ft)		4.96	
Conv. Total (cfs)	382373.7	Conv. (cfs)		382373.7	
Length Wtd. (ft)	492.89	Wetted Per. (ft)		537.39	
Min Ch El (ft)	2390.50	Shear (lb/sq ft)		2.16	
Alpha	1.00	Stream Power (lb/ft s)		26.04	
Frctn Loss (ft)	1.84	Cum Volume (acre-ft)	142.58	1420.70	258.00
C & E Loss (ft)	0.44	Cum SA (acres)	67.23	162.96	217.57

Plan: 100 Year Rillito Reach 1 RS: 10.48980 Profile: PF 1

E.G. Elev (ft)	2397.55	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.79	Wt. n-Val.	0.060	0.030	
W.S. Elev (ft)	2396.76	Reach Len. (ft)	466.07	497.54	531.82
Crit W.S. (ft)	2395.04	Flow Area (sq ft)	2938.29	2729.23	
E.G. Slope (ft/ft)	0.002309	Area (sq ft)	2938.29	2729.23	
Q Total (cfs)	32000.00	Flow (cfs)	9524.18	22475.82	
Top Width (ft)	1075.60	Top Width (ft)	653.13	422.48	
Vel Total (ft/s)	5.65	Avg. Vel. (ft/s)	3.24	8.24	
Max Chl Dpth (ft)	8.46	Hydr. Depth (ft)	4.50	6.46	
Conv. Total (cfs)	665975.4	Conv. (cfs)	198214.7	467760.8	
Length Wtd. (ft)	489.02	Wetted Per. (ft)	653.58	424.01	
Min Ch El (ft)	2388.30	Shear (lb/sq ft)	0.65	0.93	
Alpha	1.59	Stream Power (lb/ft s)	2.10	7.64	
Frctn Loss (ft)	1.41	Cum Volume (acre-ft)	126.95	1389.89	258.00
C & E Loss (ft)	0.04	Cum SA (acres)	63.75	157.48	217.57

Plan: 100 Year Rillito Reach 1 RS: 10.39512 Profile: PF 1

E.G. Elev (ft)	2396.09	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.19	Wt. n-Val.	0.060	0.030	0.060
W.S. Elev (ft)	2394.90	Reach Len. (ft)	441.38	496.74	557.79
Crit W.S. (ft)	2394.17	Flow Area (sq ft)	2364.20	2438.08	18.67
E.G. Slope (ft/ft)	0.003710	Area (sq ft)	2364.20	2438.08	18.67
Q Total (cfs)	32000.00	Flow (cfs)	7833.01	24143.36	23.63
Top Width (ft)	1158.22	Top Width (ft)	725.88	408.15	24.19
Vel Total (ft/s)	6.64	Avg. Vel. (ft/s)	3.31	9.90	1.27
Max Chl Dpth (ft)	8.11	Hydr. Depth (ft)	3.26	5.97	0.77
Conv. Total (cfs)	525357.7	Conv. (cfs)	128597.9	396371.8	388.0
Length Wtd. (ft)	486.56	Wetted Per. (ft)	726.32	409.99	24.29
Min Ch El (ft)	2386.79	Shear (lb/sq ft)	0.75	1.38	0.18
Alpha	1.74	Stream Power (lb/ft s)	2.50	13.64	0.23
Frctn Loss (ft)	2.15	Cum Volume (acre-ft)	98.58	1360.38	257.89
C & E Loss (ft)	0.05	Cum SA (acres)	56.38	152.74	217.43

Plan: 100 Year Rillito Reach 1 RS: 10.30040 Profile: PF 1

E.G. Elev (ft)	2393.88	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.74	Wt. n-Val.	0.060	0.030	0.060
W.S. Elev (ft)	2392.14	Reach Len. (ft)	466.33	499.72	528.67
Crit W.S. (ft)		Flow Area (sq ft)	1193.20	2497.19	0.78
E.G. Slope (ft/ft)	0.005368	Area (sq ft)	1193.20	2497.19	0.78
Q Total (cfs)	32000.00	Flow (cfs)	3966.73	28033.08	0.19
Top Width (ft)	958.69	Top Width (ft)	485.37	457.85	15.47
Vel Total (ft/s)	8.67	Avg. Vel. (ft/s)	3.32	11.23	0.25
Max Chl Dpth (ft)	6.90	Hydr. Depth (ft)	2.46	5.45	0.05
Conv. Total (cfs)	436746.8	Conv. (cfs)	54139.2	382604.9	2.6
Length Wtd. (ft)	495.24	Wetted Per. (ft)	485.90	459.00	15.47
Min Ch El (ft)	2385.24	Shear (lb/sq ft)	0.82	1.82	0.02
Alpha	1.49	Stream Power (lb/ft s)	2.74	20.47	0.00
Frctn Loss (ft)	1.39	Cum Volume (acre-ft)	80.56	1332.24	257.76
C & E Loss (ft)	0.28	Cum SA (acres)	50.24	147.80	217.17

Plan: 100 Year Rillito Reach 1 RS: 10.20570 Profile: PF 1

E.G. Elev (ft)	2392.21	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.81	Wt. n-Val.	0.060	0.030	0.060
W.S. Elev (ft)	2391.39	Reach Len. (ft)	534.97	498.96	465.10
Crit W.S. (ft)		Flow Area (sq ft)	1687.74	3529.35	21.45
E.G. Slope (ft/ft)	0.001728	Area (sq ft)	1687.74	3529.35	21.45
Q Total (cfs)	32000.00	Flow (cfs)	4636.88	27353.94	9.18
Top Width (ft)	977.97	Top Width (ft)	386.72	481.66	109.59
Vel Total (ft/s)	6.11	Avg. Vel. (ft/s)	2.75	7.75	0.43
Max Chl Dpth (ft)	9.51	Hydr. Depth (ft)	4.36	7.33	0.20
Conv. Total (cfs)	769832.1	Conv. (cfs)	111550.7	658060.6	220.9
Length Wtd. (ft)	502.02	Wetted Per. (ft)	387.10	483.23	109.63
Min Ch El (ft)	2381.88	Shear (lb/sq ft)	0.47	0.79	0.02
Alpha	1.41	Stream Power (lb/ft s)	1.29	6.11	0.01
Frctn Loss (ft)	0.81	Cum Volume (acre-ft)	65.14	1297.68	257.63
C & E Loss (ft)	0.00	Cum SA (acres)	45.57	142.41	216.41

Plan: 100 Year Rillito Reach 1 RS: 10.11100 Profile: PF 1

E.G. Elev (ft)	2391.38	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.86	Wt. n-Val.	0.060	0.030	0.060
W.S. Elev (ft)	2390.53	Reach Len. (ft)	550.30	497.19	457.88
Crit W.S. (ft)	2387.58	Flow Area (sq ft)	804.87	4093.05	206.93
E.G. Slope (ft/ft)	0.001524	Area (sq ft)	804.87	4093.05	206.93
Q Total (cfs)	32000.00	Flow (cfs)	939.67	30913.35	146.98
Top Width (ft)	1528.33	Top Width (ft)	664.23	527.56	336.55
Vel Total (ft/s)	6.27	Avg. Vel. (ft/s)	1.17	7.55	0.71
Max Chl Dpth (ft)	10.11	Hydr. Depth (ft)	1.21	7.76	0.61
Conv. Total (cfs)	819807.4	Conv. (cfs)	24073.4	791968.6	3765.4
Length Wtd. (ft)	496.97	Wetted Per. (ft)	664.79	530.11	336.59
Min Ch El (ft)	2380.42	Shear (lb/sq ft)	0.12	0.73	0.06
Alpha	1.40	Stream Power (lb/ft s)	0.13	5.55	0.04
Frctn Loss (ft)	0.98	Cum Volume (acre-ft)	49.83	1254.02	256.41
C & E Loss (ft)	0.07	Cum SA (acres)	39.12	136.63	214.03

Plan: 100 Year Rillito Reach 1 RS: 10.01632 Profile: PF 1

E.G. Elev (ft)	2390.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.51	Wt. n-Val.	0.060	0.030	0.060
W.S. Elev (ft)	2388.83	Reach Len. (ft)	872.51	866.89	861.96
Crit W.S. (ft)	2387.05	Flow Area (sq ft)	104.55	2976.87	790.70
E.G. Slope (ft/ft)	0.002637	Area (sq ft)	693.24	2976.87	790.70
Q Total (cfs)	32000.00	Flow (cfs)	133.60	30202.53	1663.87
Top Width (ft)	1767.65	Top Width (ft)	1025.27	371.04	371.34
Vel Total (ft/s)	8.26	Avg. Vel. (ft/s)	1.28	10.15	2.10
Max Chl Dpth (ft)	10.29	Hydr. Depth (ft)	1.01	8.02	2.13
Conv. Total (cfs)	623127.5	Conv. (cfs)	2601.5	588125.9	32400.1
Length Wtd. (ft)	866.99	Wetted Per. (ft)	103.81	373.68	371.51
Min Ch El (ft)	2378.54	Shear (lb/sq ft)	0.17	1.31	0.35
Alpha	1.43	Stream Power (lb/ft s)	0.21	13.31	0.74
Frctn Loss (ft)	2.33	Cum Volume (acre-ft)	40.37	1213.67	251.17
C & E Loss (ft)	0.02	Cum SA (acres)	28.45	131.50	210.31

Plan: 100 Year Rillito Reach 1 RS: 9.852127 Profile: PF 1

E.G. Elev (ft)	2388.00	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.67	Wt. n-Val.	0.070	0.030	0.065
W.S. Elev (ft)	2386.33	Reach Len. (ft)	498.98	498.63	498.72
Crit W.S. (ft)		Flow Area (sq ft)	1191.84	2712.49	35.41
E.G. Slope (ft/ft)	0.002728	Area (sq ft)	1191.84	2712.49	35.41
Q Total (cfs)	32000.00	Flow (cfs)	2581.17	29336.23	82.60
Top Width (ft)	783.26	Top Width (ft)	454.57	317.14	11.55
Vel Total (ft/s)	8.12	Avg. Vel. (ft/s)	2.17	10.82	2.33
Max Chl Dpth (ft)	11.30	Hydr. Depth (ft)	2.62	8.55	3.07
Conv. Total (cfs)	612716.9	Conv. (cfs)	49422.6	561712.8	1581.6
Length Wtd. (ft)	498.65	Wetted Per. (ft)	458.58	317.29	12.96
Min Ch El (ft)	2375.10	Shear (lb/sq ft)	0.44	1.46	0.47
Alpha	1.63	Stream Power (lb/ft s)	0.96	15.74	1.09
Frctn Loss (ft)	0.90	Cum Volume (acre-ft)	21.49	1157.06	242.99
C & E Loss (ft)	0.20	Cum SA (acres)	13.63	124.66	206.52

Plan: 100 Year Rillito Reach 1 RS: 9.757690 Profile: PF 1

E.G. Elev (ft)	2386.91	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.02	Wt. n-Val.	0.070	0.030	
W.S. Elev (ft)	2385.89	Reach Len. (ft)	252.35	251.99	259.55
Crit W.S. (ft)	2381.70	Flow Area (sq ft)	1193.95	3599.33	
E.G. Slope (ft/ft)	0.001274	Area (sq ft)	1193.95	3599.33	
Q Total (cfs)	32000.00	Flow (cfs)	1957.19	30042.81	
Top Width (ft)	717.21	Top Width (ft)	373.93	343.28	
Vel Total (ft/s)	6.68	Avg. Vel. (ft/s)	1.64	8.35	
Max Chl Dpth (ft)	13.43	Hydr. Depth (ft)	3.19	10.48	
Conv. Total (cfs)	896692.9	Conv. (cfs)	54843.7	841849.3	
Length Wtd. (ft)	252.00	Wetted Per. (ft)	375.08	350.76	
Min Ch El (ft)	2372.46	Shear (lb/sq ft)	0.25	0.82	
Alpha	1.47	Stream Power (lb/ft s)	0.41	6.81	
Frctn Loss (ft)	0.33	Cum Volume (acre-ft)	7.83	1120.93	242.79
C & E Loss (ft)	0.03	Cum SA (acres)	8.88	120.88	206.46

Plan: 100 Year Rillito Reach 1 RS: 9.709965 Profile: PF 1

E.G. Elev (ft)	2386.55	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.32	Wt. n-Val.		0.030	0.065
W.S. Elev (ft)	2385.23	Reach Len. (ft)	0.30	0.30	0.30
Crit W.S. (ft)	2380.29	Flow Area (sq ft)		3471.71	0.43
E.G. Slope (ft/ft)	0.001337	Area (sq ft)	23.58	3471.71	0.43
Q Total (cfs)	32000.00	Flow (cfs)		31999.83	0.17
Top Width (ft)	378.26	Top Width (ft)	80.66	296.50	1.09
Vel Total (ft/s)	9.22	Avg. Vel. (ft/s)		9.22	0.39
Max Chl Dpth (ft)	13.95	Hydr. Depth (ft)		11.71	0.39
Conv. Total (cfs)	875107.8	Conv. (cfs)		875103.3	4.6
Length Wtd. (ft)	0.30	Wetted Per. (ft)		302.40	1.35
Min Ch El (ft)	2371.28	Shear (lb/sq ft)		0.96	0.03
Alpha	1.00	Stream Power (lb/ft s)		8.83	0.01
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	4.30	1100.48	242.79
C & E Loss (ft)	0.33	Cum SA (acres)	7.56	119.03	206.45

Plan: 100 Year Rillito Reach 1 RS: 9.705 BR U Profile: PF 1

E.G. Elev (ft)	2386.21	Element	Left OB	Channel	Right OB
Vel Head (ft)	4.66	Wt. n-Val.		0.030	
W.S. Elev (ft)	2381.55	Reach Len. (ft)	36.00	36.00	36.00
Crit W.S. (ft)	2381.55	Flow Area (sq ft)		1846.55	
E.G. Slope (ft/ft)	0.012746	Area (sq ft)		1846.55	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	200.01	Top Width (ft)		200.01	
Vel Total (ft/s)	17.33	Avg. Vel. (ft/s)		17.33	
Max Chl Dpth (ft)	10.27	Hydr. Depth (ft)		9.23	
Conv. Total (cfs)	283446.7	Conv. (cfs)		283446.7	
Length Wtd. (ft)		Wetted Per. (ft)		338.46	
Min Ch El (ft)	2371.28	Shear (lb/sq ft)		4.34	
Alpha	1.00	Stream Power (lb/ft s)		75.23	
Frctn Loss (ft)		Cum Volume (acre-ft)	4.30	1100.46	242.79
C & E Loss (ft)		Cum SA (acres)	7.56	119.02	206.45

Plan: 100 Year Rillito Reach 1 RS: 9.705 BR D Profile: PF 1

E.G. Elev (ft)	2385.74	Element	Left OB	Channel	Right OB
Vel Head (ft)	4.49	Wt. n-Val.		0.030	
W.S. Elev (ft)	2381.24	Reach Len. (ft)	0.79	0.79	0.79
Crit W.S. (ft)	2381.24	Flow Area (sq ft)		1881.42	
E.G. Slope (ft/ft)	0.010226	Area (sq ft)		1881.42	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	208.28	Top Width (ft)		208.28	
Vel Total (ft/s)	17.01	Avg. Vel. (ft/s)		17.01	
Max Chl Dpth (ft)	10.15	Hydr. Depth (ft)		9.03	
Conv. Total (cfs)	316445.4	Conv. (cfs)		316445.4	
Length Wtd. (ft)	0.79	Wetted Per. (ft)		300.66	
Min Ch El (ft)	2371.09	Shear (lb/sq ft)		3.99	
Alpha	1.00	Stream Power (lb/ft s)		67.95	
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	4.30	1098.92	242.79
C & E Loss (ft)	0.64	Cum SA (acres)	7.56	118.86	206.45

Plan: 100 Year Rillito Reach 1 RS: 9.702940 Profile: PF 1

E.G. Elev (ft)	2384.40	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.34	Wt. n-Val.		0.030	
W.S. Elev (ft)	2382.06	Reach Len. (ft)	351.26	330.25	319.17
Crit W.S. (ft)	2380.18	Flow Area (sq ft)		2605.45	
E.G. Slope (ft/ft)	0.003363	Area (sq ft)		2605.45	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	290.22	Top Width (ft)		290.22	
Vel Total (ft/s)	12.28	Avg. Vel. (ft/s)		12.28	
Max Chl Dpth (ft)	10.97	Hydr. Depth (ft)		8.98	
Conv. Total (cfs)	551798.8	Conv. (cfs)		551798.8	
Length Wtd. (ft)	330.22	Wetted Per. (ft)		294.68	
Min Ch El (ft)	2371.09	Shear (lb/sq ft)		1.86	
Alpha	1.00	Stream Power (lb/ft s)		22.80	
Frctn Loss (ft)	0.94	Cum Volume (acre-ft)	4.30	1098.88	242.79
C & E Loss (ft)	0.17	Cum SA (acres)	7.56	118.85	206.45

Plan: 100 Year Rillito Reach 1 RS: 9.640341 Profile: PF 1

E.G. Elev (ft)	2383.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.77	Wt. n-Val.		0.030	0.065
W.S. Elev (ft)	2381.52	Reach Len. (ft)	468.29	453.29	439.80
Crit W.S. (ft)	2378.84	Flow Area (sq ft)		2967.59	304.01
E.G. Slope (ft/ft)	0.002418	Area (sq ft)		2967.59	304.01
Q Total (cfs)	32000.00	Flow (cfs)		31806.42	193.58
Top Width (ft)	1066.97	Top Width (ft)		314.98	751.99
Vel Total (ft/s)	9.78	Avg. Vel. (ft/s)		10.72	0.64
Max Chl Dpth (ft)	11.77	Hydr. Depth (ft)		9.42	0.40
Conv. Total (cfs)	650824.3	Conv. (cfs)		646887.1	3937.1
Length Wtd. (ft)	452.74	Wetted Per. (ft)		321.42	752.35
Min Ch El (ft)	2369.75	Shear (lb/sq ft)		1.39	0.06
Alpha	1.19	Stream Power (lb/ft s)		14.93	0.04
Frctn Loss (ft)	0.99	Cum Volume (acre-ft)	4.30	1077.76	241.67
C & E Loss (ft)	0.08	Cum SA (acres)	7.56	116.56	203.70

Plan: 100 Year Rillito Reach 1 RS: 9.554404 Profile: PF 1

E.G. Elev (ft)	2382.22	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.49	Wt. n-Val.		0.030	0.065
W.S. Elev (ft)	2380.73	Reach Len. (ft)	464.97	451.64	438.38
Crit W.S. (ft)	2377.77	Flow Area (sq ft)		2907.32	2227.41
E.G. Slope (ft/ft)	0.001990	Area (sq ft)		2907.32	2227.41
Q Total (cfs)	32000.00	Flow (cfs)		29598.23	2401.77
Top Width (ft)	2356.42	Top Width (ft)		287.48	2068.94
Vel Total (ft/s)	6.23	Avg. Vel. (ft/s)		10.18	1.08
Max Chl Dpth (ft)	12.73	Hydr. Depth (ft)		10.11	1.08
Conv. Total (cfs)	717292.4	Conv. (cfs)		663455.9	53836.5
Length Wtd. (ft)	450.43	Wetted Per. (ft)		293.99	2069.07
Min Ch El (ft)	2367.99	Shear (lb/sq ft)		1.23	0.13
Alpha	2.47	Stream Power (lb/ft s)		12.51	0.14
Frctn Loss (ft)	1.06	Cum Volume (acre-ft)	4.30	1047.19	228.89
C & E Loss (ft)	0.04	Cum SA (acres)	7.56	113.42	189.46

Plan: 100 Year Rillito Reach 1 RS: 9.468775 Profile: PF 1

E.G. Elev (ft)	2381.11	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.86	Wt. n-Val.		0.030	0.065
W.S. Elev (ft)	2379.25	Reach Len. (ft)	458.33	458.30	458.34
Crit W.S. (ft)		Flow Area (sq ft)		2469.52	2719.73
E.G. Slope (ft/ft)	0.002828	Area (sq ft)		2469.52	2719.73
Q Total (cfs)	32000.00	Flow (cfs)		28555.33	3444.67
Top Width (ft)	2968.29	Top Width (ft)		263.31	2704.98
Vel Total (ft/s)	6.17	Avg. Vel. (ft/s)		11.56	1.27
Max Chl Dpth (ft)	10.80	Hydr. Depth (ft)		9.38	1.01
Conv. Total (cfs)	601766.3	Conv. (cfs)		536988.6	64777.7
Length Wtd. (ft)	458.31	Wetted Per. (ft)		268.47	2705.40
Min Ch El (ft)	2368.45	Shear (lb/sq ft)		1.62	0.18
Alpha	3.14	Stream Power (lb/ft s)		18.78	0.22
Frctn Loss (ft)	1.12	Cum Volume (acre-ft)	4.30	1019.31	204.00
C & E Loss (ft)	0.13	Cum SA (acres)	7.56	110.57	165.44

Plan: 100 Year Rillito Reach 1 RS: 9.381976 Profile: PF 1

E.G. Elev (ft)	2379.85	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.43	Wt. n-Val.		0.030	0.065
W.S. Elev (ft)	2378.43	Reach Len. (ft)	472.69	454.12	437.88
Crit W.S. (ft)	2378.43	Flow Area (sq ft)		2488.43	4281.52
E.G. Slope (ft/ft)	0.002132	Area (sq ft)		2488.43	4281.52
Q Total (cfs)	32000.00	Flow (cfs)		26267.81	5732.19
Top Width (ft)	3336.22	Top Width (ft)		244.58	3091.64
Vel Total (ft/s)	4.73	Avg. Vel. (ft/s)		10.56	1.34
Max Chl Dpth (ft)	11.03	Hydr. Depth (ft)		10.17	1.38
Conv. Total (cfs)	693083.0	Conv. (cfs)		568930.3	124152.7
Length Wtd. (ft)	451.04	Wetted Per. (ft)		250.92	3092.38
Min Ch El (ft)	2367.40	Shear (lb/sq ft)		1.32	0.18
Alpha	4.11	Stream Power (lb/ft s)		13.93	0.25
Frctn Loss (ft)	0.98	Cum Volume (acre-ft)	4.30	993.23	167.17
C & E Loss (ft)	0.01	Cum SA (acres)	7.56	107.90	134.94

Plan: 100 Year Rillito Reach 1 RS: 9.295811 Profile: PF 1

E.G. Elev (ft)	2378.01	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.38	Wt. n-Val.		0.030	0.065
W.S. Elev (ft)	2376.63	Reach Len. (ft)	514.84	496.52	481.70
Crit W.S. (ft)	2376.63	Flow Area (sq ft)		2430.09	4429.47
E.G. Slope (ft/ft)	0.002216	Area (sq ft)		2430.09	4429.47
Q Total (cfs)	32000.00	Flow (cfs)		25578.48	6421.52
Top Width (ft)	3125.25	Top Width (ft)		246.69	2878.56
Vel Total (ft/s)	4.67	Avg. Vel. (ft/s)		10.53	1.45
Max Chl Dpth (ft)	11.93	Hydr. Depth (ft)		9.85	1.54
Conv. Total (cfs)	679821.1	Conv. (cfs)		543399.8	136421.3
Length Wtd. (ft)	493.94	Wetted Per. (ft)		253.33	2879.24
Min Ch El (ft)	2364.70	Shear (lb/sq ft)		1.33	0.21
Alpha	4.09	Stream Power (lb/ft s)		13.97	0.31
Frctn Loss (ft)	1.16	Cum Volume (acre-ft)	4.30	967.59	123.38
C & E Loss (ft)	0.03	Cum SA (acres)	7.56	105.33	104.93

Plan: 100 Year Rillito Reach 1 RS: 9.201656 Profile: PF 1

E.G. Elev (ft)	2376.48	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.66	Wt. n-Val.		0.030	0.065
W.S. Elev (ft)	2374.82	Reach Len. (ft)	654.35	548.65	473.36
Crit W.S. (ft)		Flow Area (sq ft)		2435.95	3450.04
E.G. Slope (ft/ft)	0.002509	Area (sq ft)		2435.95	3450.04
Q Total (cfs)	32000.00	Flow (cfs)		27265.26	4734.74
Top Width (ft)	2894.58	Top Width (ft)		248.13	2646.46
Vel Total (ft/s)	5.44	Avg. Vel. (ft/s)		11.19	1.37
Max Chl Dpth (ft)	10.93	Hydr. Depth (ft)		9.82	1.30
Conv. Total (cfs)	638804.9	Conv. (cfs)		544286.9	94518.0
Length Wtd. (ft)	537.89	Wetted Per. (ft)		254.24	2646.73
Min Ch El (ft)	2363.89	Shear (lb/sq ft)		1.50	0.20
Alpha	3.62	Stream Power (lb/ft s)		16.80	0.28
Frctn Loss (ft)	1.26	Cum Volume (acre-ft)	4.30	939.86	79.82
C & E Loss (ft)	0.02	Cum SA (acres)	7.56	102.51	74.38

Plan: 100 Year Rillito Reach 1 RS: 9.096236 Profile: PF 1

E.G. Elev (ft)	2375.20	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.59	Wt. n-Val.		0.030	0.065
W.S. Elev (ft)	2373.61	Reach Len. (ft)	597.72	496.25	418.53
Crit W.S. (ft)		Flow Area (sq ft)		2537.28	3194.33
E.G. Slope (ft/ft)	0.002180	Area (sq ft)		2537.28	3194.33
Q Total (cfs)	32000.00	Flow (cfs)		27586.41	4413.59
Top Width (ft)	2464.21	Top Width (ft)		241.96	2222.25
Vel Total (ft/s)	5.58	Avg. Vel. (ft/s)		10.87	1.38
Max Chl Dpth (ft)	12.29	Hydr. Depth (ft)		10.49	1.44
Conv. Total (cfs)	685328.6	Conv. (cfs)		590804.9	94523.6
Length Wtd. (ft)	489.62	Wetted Per. (ft)		248.92	2223.12
Min Ch El (ft)	2361.32	Shear (lb/sq ft)		1.39	0.20
Alpha	3.28	Stream Power (lb/ft s)		15.08	0.27
Frctn Loss (ft)	1.27	Cum Volume (acre-ft)	4.30	908.54	43.72
C & E Loss (ft)	0.08	Cum SA (acres)	7.56	99.43	47.93

Plan: 100 Year Rillito Reach 1 RS: 9.000050 Profile: PF 1

E.G. Elev (ft)	2373.85	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.39	Wt. n-Val.		0.030	0.065
W.S. Elev (ft)	2371.46	Reach Len. (ft)	495.74	495.51	495.68
Crit W.S. (ft)	2369.24	Flow Area (sq ft)		2455.26	978.29
E.G. Slope (ft/ft)	0.003127	Area (sq ft)		2455.26	978.29
Q Total (cfs)	32000.00	Flow (cfs)		30952.09	1047.91
Top Width (ft)	1749.55	Top Width (ft)		245.48	1504.08
Vel Total (ft/s)	9.32	Avg. Vel. (ft/s)		12.61	1.07
Max Chl Dpth (ft)	11.79	Hydr. Depth (ft)		10.00	0.65
Conv. Total (cfs)	572250.4	Conv. (cfs)		553510.8	18739.6
Length Wtd. (ft)	495.52	Wetted Per. (ft)		252.85	1504.45
Min Ch El (ft)	2359.67	Shear (lb/sq ft)		1.90	0.13
Alpha	1.77	Stream Power (lb/ft s)		23.90	0.14
Frctn Loss (ft)	1.41	Cum Volume (acre-ft)	4.30	880.10	23.67
C & E Loss (ft)	0.00	Cum SA (acres)	7.56	96.65	30.03

Plan: 100 Year Rillito Reach 1 RS: 8.906204 Profile: PF 1

E.G. Elev (ft)	2372.43	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.38	Wt. n-Val.	0.070	0.030	0.065
W.S. Elev (ft)	2370.04	Reach Len. (ft)	491.31	501.46	513.15
Crit W.S. (ft)	2367.24	Flow Area (sq ft)	58.27	2486.82	666.97
E.G. Slope (ft/ft)	0.002616	Area (sq ft)	58.27	2486.82	666.97
Q Total (cfs)	32000.00	Flow (cfs)	40.29	31205.23	754.48
Top Width (ft)	1162.28	Top Width (ft)	114.59	218.64	829.06
Vel Total (ft/s)	9.96	Avg. Vel. (ft/s)	0.69	12.55	1.13
Max Chl Dpth (ft)	13.82	Hydr. Depth (ft)	0.51	11.37	0.80
Conv. Total (cfs)	625679.3	Conv. (cfs)	787.7	610139.6	14752.0
Length Wtd. (ft)	501.76	Wetted Per. (ft)	114.66	225.57	829.13
Min Ch El (ft)	2356.22	Shear (lb/sq ft)	0.08	1.80	0.13
Alpha	1.55	Stream Power (lb/ft s)	0.06	22.59	0.15
Frctn Loss (ft)	1.37	Cum Volume (acre-ft)	3.97	851.99	14.31
C & E Loss (ft)	0.01	Cum SA (acres)	6.91	94.01	16.75

Plan: 100 Year Rillito Reach 1 RS: 8.811113 Profile: PF 1

E.G. Elev (ft)	2371.05	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.49	Wt. n-Val.		0.030	0.065
W.S. Elev (ft)	2368.56	Reach Len. (ft)	497.84	505.59	514.90
Crit W.S. (ft)	2366.06	Flow Area (sq ft)		2419.41	708.62
E.G. Slope (ft/ft)	0.002835	Area (sq ft)		2419.41	708.62
Q Total (cfs)	32000.00	Flow (cfs)		31085.20	914.80
Top Width (ft)	895.32	Top Width (ft)		217.67	677.65
Vel Total (ft/s)	10.23	Avg. Vel. (ft/s)		12.85	1.29
Max Chl Dpth (ft)	13.07	Hydr. Depth (ft)		11.12	1.05
Conv. Total (cfs)	601048.2	Conv. (cfs)		583865.6	17182.5
Length Wtd. (ft)	505.74	Wetted Per. (ft)		224.96	677.79
Min Ch El (ft)	2355.49	Shear (lb/sq ft)		1.90	0.19
Alpha	1.53	Stream Power (lb/ft s)		24.45	0.24
Frctn Loss (ft)	1.59	Cum Volume (acre-ft)	3.64	823.75	6.21
C & E Loss (ft)	0.04	Cum SA (acres)	6.27	91.50	7.88

Plan: 100 Year Rillito Reach 1 RS: 8.715289 Profile: PF 1

E.G. Elev (ft)	2369.42	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.87	Wt. n-Val.	0.070	0.030	0.065
W.S. Elev (ft)	2366.56	Reach Len. (ft)	499.35	499.31	499.37
Crit W.S. (ft)	2364.70	Flow Area (sq ft)	25.37	2341.14	120.63
E.G. Slope (ft/ft)	0.003503	Area (sq ft)	25.37	2341.14	120.63
Q Total (cfs)	32000.00	Flow (cfs)	18.47	31873.35	108.18
Top Width (ft)	514.89	Top Width (ft)	57.46	227.52	229.91
Vel Total (ft/s)	12.87	Avg. Vel. (ft/s)	0.73	13.61	0.90
Max Chl Dpth (ft)	11.99	Hydr. Depth (ft)	0.44	10.29	0.52
Conv. Total (cfs)	540671.9	Conv. (cfs)	312.1	538532.1	1827.7
Length Wtd. (ft)	499.31	Wetted Per. (ft)	57.51	233.92	229.98
Min Ch El (ft)	2354.57	Shear (lb/sq ft)	0.10	2.19	0.11
Alpha	1.12	Stream Power (lb/ft s)	0.07	29.80	0.10
Frctn Loss (ft)	1.43	Cum Volume (acre-ft)	3.50	796.13	1.31
C & E Loss (ft)	0.21	Cum SA (acres)	5.94	88.92	2.52

Plan: 100 Year Rillito Reach 1 RS: 8.620723 Profile: PF 1

E.G. Elev (ft)	2367.78	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.17	Wt. n-Val.	0.070	0.030	0.065
W.S. Elev (ft)	2365.61	Reach Len. (ft)	457.58	498.85	545.59
Crit W.S. (ft)	2362.52	Flow Area (sq ft)	84.02	2694.94	2.36
E.G. Slope (ft/ft)	0.002391	Area (sq ft)	84.02	2694.94	2.36
Q Total (cfs)	32000.00	Flow (cfs)	84.59	31914.98	0.43
Top Width (ft)	370.58	Top Width (ft)	87.81	241.82	40.94
Vel Total (ft/s)	11.51	Avg. Vel. (ft/s)	1.01	11.84	0.18
Max Chl Dpth (ft)	12.68	Hydr. Depth (ft)	0.96	11.14	0.06
Conv. Total (cfs)	654478.0	Conv. (cfs)	1730.1	652739.1	8.8
Length Wtd. (ft)	498.80	Wetted Per. (ft)	87.94	249.22	41.08
Min Ch El (ft)	2352.93	Shear (lb/sq ft)	0.14	1.61	0.01
Alpha	1.06	Stream Power (lb/ft s)	0.14	19.11	0.00
Frctn Loss (ft)	1.53	Cum Volume (acre-ft)	2.87	767.26	0.60
C & E Loss (ft)	0.12	Cum SA (acres)	5.10	86.23	0.96

Plan: 100 Year Rillito Reach 1 RS: 8.525006 Profile: PF 1

E.G. Elev (ft)	2366.13	Element	Left OB	Channel	Right OB
Vel Head (ft)	3.38	Wt. n-Val.		0.030	
W.S. Elev (ft)	2362.75	Reach Len. (ft)	494.95	494.85	495.04
Crit W.S. (ft)	2361.25	Flow Area (sq ft)		2168.26	
E.G. Slope (ft/ft)	0.004079	Area (sq ft)		2168.26	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	208.08	Top Width (ft)		208.08	
Vel Total (ft/s)	14.76	Avg. Vel. (ft/s)		14.76	
Max Chl Dpth (ft)	12.61	Hydr. Depth (ft)		10.42	
Conv. Total (cfs)	501040.9	Conv. (cfs)		501040.9	
Length Wtd. (ft)	494.85	Wetted Per. (ft)		215.17	
Min Ch El (ft)	2350.14	Shear (lb/sq ft)		2.57	
Alpha	1.00	Stream Power (lb/ft s)		37.87	
Frctn Loss (ft)	1.80	Cum Volume (acre-ft)	2.43	739.42	0.59
C & E Loss (ft)	0.14	Cum SA (acres)	4.64	83.65	0.71

Plan: 100 Year Rillito Reach 1 RS: 8.431284 Profile: PF 1

E.G. Elev (ft)	2364.18	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.92	Wt. n-Val.	0.070	0.030	0.065
W.S. Elev (ft)	2361.26	Reach Len. (ft)	151.15	187.47	229.84
Crit W.S. (ft)	2359.09	Flow Area (sq ft)	29.46	2323.46	53.13
E.G. Slope (ft/ft)	0.003276	Area (sq ft)	29.46	2323.46	53.13
Q Total (cfs)	32000.00	Flow (cfs)	18.06	31900.75	81.19
Top Width (ft)	341.51	Top Width (ft)	89.89	209.62	42.00
Vel Total (ft/s)	13.30	Avg. Vel. (ft/s)	0.61	13.73	1.53
Max Chl Dpth (ft)	13.41	Hydr. Depth (ft)	0.33	11.08	1.26
Conv. Total (cfs)	559051.8	Conv. (cfs)	315.6	557317.8	1418.4
Length Wtd. (ft)	187.51	Wetted Per. (ft)	89.92	218.02	42.09
Min Ch El (ft)	2347.85	Shear (lb/sq ft)	0.07	2.18	0.26
Alpha	1.06	Stream Power (lb/ft s)	0.04	29.93	0.39
Frctn Loss (ft)	0.61	Cum Volume (acre-ft)	2.26	713.90	0.28
C & E Loss (ft)	0.07	Cum SA (acres)	4.13	81.28	0.47

Plan: 100 Year Rillito Reach 1 RS: 8.395467 Profile: PF 1

E.G. Elev (ft)	2363.50	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.69	Wt. n-Val.		0.030	
W.S. Elev (ft)	2360.81	Reach Len. (ft)	0.10	0.10	0.10
Crit W.S. (ft)	2358.51	Flow Area (sq ft)		2431.03	
E.G. Slope (ft/ft)	0.003252	Area (sq ft)	29.51	2431.03	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	338.38	Top Width (ft)	103.44	234.93	
Vel Total (ft/s)	13.16	Avg. Vel. (ft/s)		13.16	
Max Chl Dpth (ft)	12.88	Hydr. Depth (ft)		10.35	
Conv. Total (cfs)	561122.9	Conv. (cfs)		561122.9	
Length Wtd. (ft)	0.10	Wetted Per. (ft)		241.66	
Min Ch El (ft)	2347.93	Shear (lb/sq ft)		2.04	
Alpha	1.00	Stream Power (lb/ft s)		26.89	
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	2.16	703.67	0.14
C & E Loss (ft)	0.03	Cum SA (acres)	3.80	80.32	0.36

Plan: 100 Year Rillito Reach 1 RS: 8.394 BR U Profile: PF 1

E.G. Elev (ft)	2363.47	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.96	Wt. n-Val.		0.030	
W.S. Elev (ft)	2360.52	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	2358.60	Flow Area (sq ft)		2319.31	
E.G. Slope (ft/ft)	0.004158	Area (sq ft)	16.57	2319.31	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	248.71	Top Width (ft)	18.52	230.18	
Vel Total (ft/s)	13.80	Avg. Vel. (ft/s)		13.80	
Max Chl Dpth (ft)	12.59	Hydr. Depth (ft)		10.08	
Conv. Total (cfs)	496241.9	Conv. (cfs)		496241.9	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		258.33	
Min Ch El (ft)	2347.93	Shear (lb/sq ft)		2.33	
Alpha	1.00	Stream Power (lb/ft s)		32.16	
Frctn Loss (ft)	0.06	Cum Volume (acre-ft)	2.16	703.67	0.14
C & E Loss (ft)	0.01	Cum SA (acres)	3.80	80.32	0.36

Plan: 100 Year Rillito Reach 1 RS: 8.394 BR D Profile: PF 1

E.G. Elev (ft)	2363.40	Element	Left OB	Channel	Right OB
Vel Head (ft)	3.06	Wt. n-Val.	0.065	0.030	
W.S. Elev (ft)	2360.34	Reach Len. (ft)	0.52	0.52	0.52
Crit W.S. (ft)	2358.59	Flow Area (sq ft)	11.52	2278.64	
E.G. Slope (ft/ft)	0.004385	Area (sq ft)	11.52	2278.64	
Q Total (cfs)	32000.00	Flow (cfs)	13.42	31986.58	
Top Width (ft)	246.22	Top Width (ft)	17.02	229.19	
Vel Total (ft/s)	13.97	Avg. Vel. (ft/s)	1.16	14.04	
Max Chl Dpth (ft)	12.47	Hydr. Depth (ft)	0.68	9.94	
Conv. Total (cfs)	483216.6	Conv. (cfs)	202.6	483013.9	
Length Wtd. (ft)	0.52	Wetted Per. (ft)	17.07	257.37	
Min Ch El (ft)	2347.87	Shear (lb/sq ft)	0.18	2.42	
Alpha	1.01	Stream Power (lb/ft s)	0.22	34.03	
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	2.15	702.88	0.14
C & E Loss (ft)	0.05	Cum SA (acres)	3.79	80.24	0.36

Plan: 100 Year Rillito Reach 1 RS: 8.392508 Profile: PF 1

E.G. Elev (ft)	2363.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.88	Wt. n-Val.	0.065	0.030	
W.S. Elev (ft)	2360.46	Reach Len. (ft)	308.82	308.76	309.03
Crit W.S. (ft)	2358.42	Flow Area (sq ft)	13.59	2349.49	
E.G. Slope (ft/ft)	0.003611	Area (sq ft)	13.59	2349.49	
Q Total (cfs)	32000.00	Flow (cfs)	15.62	31984.38	
Top Width (ft)	251.21	Top Width (ft)	17.71	233.50	
Vel Total (ft/s)	13.54	Avg. Vel. (ft/s)	1.15	13.61	
Max Chl Dpth (ft)	12.59	Hydr. Depth (ft)	0.77	10.06	
Conv. Total (cfs)	532504.4	Conv. (cfs)	260.0	532244.4	
Length Wtd. (ft)	308.76	Wetted Per. (ft)	17.77	240.20	
Min Ch El (ft)	2347.87	Shear (lb/sq ft)	0.17	2.21	
Alpha	1.01	Stream Power (lb/ft s)	0.20	30.02	
Frctn Loss (ft)	1.02	Cum Volume (acre-ft)	2.15	702.85	0.14
C & E Loss (ft)	0.10	Cum SA (acres)	3.79	80.24	0.36

Plan: 100 Year Rillito Reach 1 RS: 8.334032 Profile: PF 1

E.G. Elev (ft)	2362.21	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.54	Wt. n-Val.	0.060	0.030	
W.S. Elev (ft)	2359.67	Reach Len. (ft)	389.01	423.54	473.87
Crit W.S. (ft)	2357.18	Flow Area (sq ft)	122.20	2482.05	
E.G. Slope (ft/ft)	0.003060	Area (sq ft)	122.20	2482.05	
Q Total (cfs)	32000.00	Flow (cfs)	175.30	31824.70	
Top Width (ft)	364.90	Top Width (ft)	126.28	238.61	
Vel Total (ft/s)	12.29	Avg. Vel. (ft/s)	1.43	12.82	
Max Chl Dpth (ft)	12.69	Hydr. Depth (ft)	0.97	10.40	
Conv. Total (cfs)	578492.4	Conv. (cfs)	3169.1	575323.3	
Length Wtd. (ft)	423.42	Wetted Per. (ft)	126.69	245.17	
Min Ch El (ft)	2346.98	Shear (lb/sq ft)	0.18	1.93	
Alpha	1.08	Stream Power (lb/ft s)	0.26	24.80	
Frctn Loss (ft)	1.38	Cum Volume (acre-ft)	1.67	685.73	0.14
C & E Loss (ft)	0.03	Cum SA (acres)	3.28	78.57	0.36

Plan: 100 Year Rillito Reach 1 RS: 8.253147 Profile: PF 1

E.G. Elev (ft)	2360.80	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.82	Wt. n-Val.	0.060	0.030	
W.S. Elev (ft)	2357.98	Reach Len. (ft)	446.42	475.68	514.08
Crit W.S. (ft)	2355.89	Flow Area (sq ft)	46.87	2368.49	
E.G. Slope (ft/ft)	0.003482	Area (sq ft)	46.87	2368.49	
Q Total (cfs)	32000.00	Flow (cfs)	43.77	31956.23	
Top Width (ft)	323.84	Top Width (ft)	91.70	232.15	
Vel Total (ft/s)	13.25	Avg. Vel. (ft/s)	0.93	13.49	
Max Chl Dpth (ft)	12.09	Hydr. Depth (ft)	0.51	10.20	
Conv. Total (cfs)	542298.1	Conv. (cfs)	741.7	541556.4	
Length Wtd. (ft)	475.65	Wetted Per. (ft)	91.74	238.79	
Min Ch El (ft)	2345.89	Shear (lb/sq ft)	0.11	2.16	
Alpha	1.04	Stream Power (lb/ft s)	0.10	29.09	
Frctn Loss (ft)	1.64	Cum Volume (acre-ft)	0.92	662.14	0.14
C & E Loss (ft)	0.00	Cum SA (acres)	2.31	76.28	0.36

Plan: 100 Year Rillito Reach 1 RS: 8.162789 Profile: PF 1

E.G. Elev (ft)	2359.16	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.87	Wt. n-Val.	0.060	0.030	
W.S. Elev (ft)	2356.29	Reach Len. (ft)	467.84	511.88	559.97
Crit W.S. (ft)	2354.24	Flow Area (sq ft)	27.12	2351.33	
E.G. Slope (ft/ft)	0.003408	Area (sq ft)	27.12	2351.33	
Q Total (cfs)	32000.00	Flow (cfs)	19.48	31980.52	
Top Width (ft)	300.91	Top Width (ft)	77.41	223.50	
Vel Total (ft/s)	13.45	Avg. Vel. (ft/s)	0.72	13.60	
Max Chl Dpth (ft)	11.99	Hydr. Depth (ft)	0.35	10.52	
Conv. Total (cfs)	548158.6	Conv. (cfs)	333.7	547824.9	
Length Wtd. (ft)	511.87	Wetted Per. (ft)	77.42	230.48	
Min Ch El (ft)	2344.30	Shear (lb/sq ft)	0.07	2.17	
Alpha	1.02	Stream Power (lb/ft s)	0.05	29.52	
Frctn Loss (ft)	1.79	Cum Volume (acre-ft)	0.54	636.37	0.14
C & E Loss (ft)	0.11	Cum SA (acres)	1.44	73.79	0.36

Plan: 100 Year Rillito Reach 1 RS: 8.065505 Profile: PF 1

E.G. Elev (ft)	2357.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.51	Wt. n-Val.		0.030	
W.S. Elev (ft)	2354.75	Reach Len. (ft)	517.98	495.79	473.16
Crit W.S. (ft)	2352.46	Flow Area (sq ft)		2514.61	
E.G. Slope (ft/ft)	0.003600	Area (sq ft)		2514.61	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	277.54	Top Width (ft)		277.54	
Vel Total (ft/s)	12.73	Avg. Vel. (ft/s)		12.73	
Max Chl Dpth (ft)	12.38	Hydr. Depth (ft)		9.06	
Conv. Total (cfs)	533322.1	Conv. (cfs)		533322.1	
Length Wtd. (ft)	495.79	Wetted Per. (ft)		283.79	
Min Ch El (ft)	2342.37	Shear (lb/sq ft)		1.99	
Alpha	1.00	Stream Power (lb/ft s)		25.34	
Frctn Loss (ft)	2.24	Cum Volume (acre-ft)	0.39	607.78	0.14
C & E Loss (ft)	0.12	Cum SA (acres)	1.03	70.85	0.36

Plan: 100 Year Rillito Reach 1 RS: 7.971442 Profile: PF 1

E.G. Elev (ft)	2354.90	Element	Left OB	Channel	Right OB
Vel Head (ft)	3.70	Wt. n-Val.		0.030	
W.S. Elev (ft)	2351.20	Reach Len. (ft)	472.93	470.07	470.19
Crit W.S. (ft)	2350.60	Flow Area (sq ft)		2074.18	
E.G. Slope (ft/ft)	0.005821	Area (sq ft)		2074.18	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	243.59	Top Width (ft)		243.59	
Vel Total (ft/s)	15.43	Avg. Vel. (ft/s)		15.43	
Max Chl Dpth (ft)	10.47	Hydr. Depth (ft)		8.51	
Conv. Total (cfs)	419405.8	Conv. (cfs)		419405.8	
Length Wtd. (ft)	470.07	Wetted Per. (ft)		251.46	
Min Ch El (ft)	2340.73	Shear (lb/sq ft)		3.00	
Alpha	1.00	Stream Power (lb/ft s)		46.25	
Frctn Loss (ft)	2.12	Cum Volume (acre-ft)	0.39	581.67	0.14
C & E Loss (ft)	0.46	Cum SA (acres)	1.03	67.88	0.36

Plan: 100 Year Rillito Reach 1 RS: 7.882413 Profile: PF 1

E.G. Elev (ft)	2352.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.16	Wt. n-Val.		0.030	
W.S. Elev (ft)	2350.15	Reach Len. (ft)	515.17	514.04	514.48
Crit W.S. (ft)		Flow Area (sq ft)		2714.65	
E.G. Slope (ft/ft)	0.003605	Area (sq ft)		2714.65	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	338.32	Top Width (ft)		338.32	
Vel Total (ft/s)	11.79	Avg. Vel. (ft/s)		11.79	
Max Chl Dpth (ft)	11.05	Hydr. Depth (ft)		8.02	
Conv. Total (cfs)	532939.2	Conv. (cfs)		532939.2	
Length Wtd. (ft)	514.04	Wetted Per. (ft)		344.02	
Min Ch El (ft)	2339.10	Shear (lb/sq ft)		1.78	
Alpha	1.00	Stream Power (lb/ft s)		20.94	
Frctn Loss (ft)	2.04	Cum Volume (acre-ft)	0.39	555.83	0.14
C & E Loss (ft)	0.04	Cum SA (acres)	1.03	64.74	0.36

Plan: 100 Year Rillito Reach 1 RS: 7.785057 Profile: PF 1

E.G. Elev (ft)	2350.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.58	Wt. n-Val.	0.060	0.030	0.065
W.S. Elev (ft)	2347.65	Reach Len. (ft)	505.17	496.32	489.26
Crit W.S. (ft)	2346.55	Flow Area (sq ft)	32.42	2477.90	9.89
E.G. Slope (ft/ft)	0.004386	Area (sq ft)	32.42	2477.90	9.89
Q Total (cfs)	32000.00	Flow (cfs)	30.44	31959.38	10.18
Top Width (ft)	412.42	Top Width (ft)	82.03	312.88	17.51
Vel Total (ft/s)	12.70	Avg. Vel. (ft/s)	0.94	12.90	1.03
Max Chl Dpth (ft)	10.13	Hydr. Depth (ft)	0.40	7.92	0.56
Conv. Total (cfs)	483160.9	Conv. (cfs)	459.5	482547.7	153.7
Length Wtd. (ft)	496.32	Wetted Per. (ft)	82.10	317.84	17.62
Min Ch El (ft)	2337.52	Shear (lb/sq ft)	0.11	2.13	0.15
Alpha	1.03	Stream Power (lb/ft s)	0.10	27.54	0.16
Frctn Loss (ft)	1.95	Cum Volume (acre-ft)	0.20	525.19	0.09
C & E Loss (ft)	0.07	Cum SA (acres)	0.54	60.90	0.25

Plan: 100 Year Rillito Reach 1 RS: 7.691030 Profile: PF 1

E.G. Elev (ft)	2348.21	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.34	Wt. n-Val.	0.060	0.030	0.065
W.S. Elev (ft)	2345.87	Reach Len. (ft)	592.30	480.38	353.70
Crit W.S. (ft)		Flow Area (sq ft)	0.92	2607.36	3.17
E.G. Slope (ft/ft)	0.003530	Area (sq ft)	0.92	2607.36	3.17
Q Total (cfs)	32000.00	Flow (cfs)	0.43	31998.11	1.46
Top Width (ft)	321.00	Top Width (ft)	5.12	299.85	16.03
Vel Total (ft/s)	12.25	Avg. Vel. (ft/s)	0.47	12.27	0.46
Max Chl Dpth (ft)	10.47	Hydr. Depth (ft)	0.18	8.70	0.20
Conv. Total (cfs)	538611.1	Conv. (cfs)	7.3	538579.3	24.5
Length Wtd. (ft)	480.38	Wetted Per. (ft)	5.14	306.15	16.18
Min Ch El (ft)	2335.40	Shear (lb/sq ft)	0.04	1.88	0.04
Alpha	1.00	Stream Power (lb/ft s)	0.02	23.03	0.02
Frctn Loss (ft)	1.69	Cum Volume (acre-ft)	0.01	496.22	0.01
C & E Loss (ft)	0.03	Cum SA (acres)	0.03	57.41	0.07

Plan: 100 Year Rillito Reach 1 RS: 7.598445 Profile: PF 1

E.G. Elev (ft)	2346.49	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.25	Wt. n-Val.		0.030	
W.S. Elev (ft)	2344.24	Reach Len. (ft)	453.60	453.34	453.55
Crit W.S. (ft)		Flow Area (sq ft)		2658.24	
E.G. Slope (ft/ft)	0.003510	Area (sq ft)		2658.24	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	313.69	Top Width (ft)		313.69	
Vel Total (ft/s)	12.04	Avg. Vel. (ft/s)		12.04	
Max Chl Dpth (ft)	11.30	Hydr. Depth (ft)		8.47	
Conv. Total (cfs)	540115.7	Conv. (cfs)		540115.7	
Length Wtd. (ft)	453.34	Wetted Per. (ft)		319.94	
Min Ch El (ft)	2332.94	Shear (lb/sq ft)		1.82	
Alpha	1.00	Stream Power (lb/ft s)		21.92	
Frctn Loss (ft)	1.47	Cum Volume (acre-ft)		467.19	
C & E Loss (ft)	0.05	Cum SA (acres)		54.02	

Plan: 100 Year Rillito Reach 1 RS: 7.512586 Profile: PF 1

E.G. Elev (ft)	2344.98	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.10	Wt. n-Val.		0.030	
W.S. Elev (ft)	2342.88	Reach Len. (ft)	459.74	459.74	459.80
Crit W.S. (ft)		Flow Area (sq ft)		2754.88	
E.G. Slope (ft/ft)	0.002999	Area (sq ft)		2754.88	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	304.48	Top Width (ft)		304.48	
Vel Total (ft/s)	11.62	Avg. Vel. (ft/s)		11.62	
Max Chl Dpth (ft)	10.90	Hydr. Depth (ft)		9.05	
Conv. Total (cfs)	584325.5	Conv. (cfs)		584325.5	
Length Wtd. (ft)	459.74	Wetted Per. (ft)		310.87	
Min Ch El (ft)	2331.98	Shear (lb/sq ft)		1.66	
Alpha	1.00	Stream Power (lb/ft s)		19.27	
Frctn Loss (ft)	1.34	Cum Volume (acre-ft)		439.02	
C & E Loss (ft)	0.00	Cum SA (acres)		50.81	

Plan: 100 Year Rillito Reach 1 RS: 7.425513 Profile: PF 1

E.G. Elev (ft)	2343.63	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.10	Wt. n-Val.		0.030	
W.S. Elev (ft)	2341.53	Reach Len. (ft)	315.56	328.82	342.81
Crit W.S. (ft)		Flow Area (sq ft)		2753.66	
E.G. Slope (ft/ft)	0.002854	Area (sq ft)		2753.66	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	292.72	Top Width (ft)		292.72	
Vel Total (ft/s)	11.62	Avg. Vel. (ft/s)		11.62	
Max Chl Dpth (ft)	10.87	Hydr. Depth (ft)		9.41	
Conv. Total (cfs)	598965.4	Conv. (cfs)		598965.4	
Length Wtd. (ft)	328.82	Wetted Per. (ft)		299.22	
Min Ch El (ft)	2330.66	Shear (lb/sq ft)		1.64	
Alpha	1.00	Stream Power (lb/ft s)		19.06	
Frctn Loss (ft)	0.75	Cum Volume (acre-ft)		409.95	
C & E Loss (ft)	0.19	Cum SA (acres)		47.66	

Plan: 100 Year Rillito Reach 1 RS: 7.363233 Profile: PF 1

E.G. Elev (ft)	2342.68	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.46	Wt. n-Val.		0.030	
W.S. Elev (ft)	2341.22	Reach Len. (ft)	13.30	13.30	13.30
Crit W.S. (ft)	2337.85	Flow Area (sq ft)		3301.82	
E.G. Slope (ft/ft)	0.001875	Area (sq ft)		3301.82	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	337.40	Top Width (ft)		337.40	
Vel Total (ft/s)	9.69	Avg. Vel. (ft/s)		9.69	
Max Chl Dpth (ft)	11.60	Hydr. Depth (ft)		9.79	
Conv. Total (cfs)	739074.9	Conv. (cfs)		739074.9	
Length Wtd. (ft)	13.30	Wetted Per. (ft)		343.68	
Min Ch El (ft)	2329.62	Shear (lb/sq ft)		1.12	
Alpha	1.00	Stream Power (lb/ft s)		10.90	
Frctn Loss (ft)	0.04	Cum Volume (acre-ft)		387.09	
C & E Loss (ft)	0.04	Cum SA (acres)		45.28	

Plan: 100 Year Rillito Reach 1 RS: 7.354 BR U Profile: PF 1

E.G. Elev (ft)	2342.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.83	Wt. n-Val.		0.030	
W.S. Elev (ft)	2340.77	Reach Len. (ft)	65.00	65.00	65.00
Crit W.S. (ft)	2338.20	Flow Area (sq ft)		2943.71	
E.G. Slope (ft/ft)	0.004356	Area (sq ft)		2943.71	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	316.10	Top Width (ft)		316.10	
Vel Total (ft/s)	10.87	Avg. Vel. (ft/s)		10.87	
Max Chl Dpth (ft)	11.15	Hydr. Depth (ft)		9.31	
Conv. Total (cfs)	484873.6	Conv. (cfs)		484873.6	
Length Wtd. (ft)	65.00	Wetted Per. (ft)		485.41	
Min Ch El (ft)	2329.62	Shear (lb/sq ft)		1.65	
Alpha	1.00	Stream Power (lb/ft s)		17.93	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		386.14	
C & E Loss (ft)	0.00	Cum SA (acres)		45.18	

Plan: 100 Year Rillito Reach 1 RS: 7.354 BR D Profile: PF 1

E.G. Elev (ft)	2342.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.82	Wt. n-Val.		0.030	
W.S. Elev (ft)	2340.52	Reach Len. (ft)	13.18	13.18	13.18
Crit W.S. (ft)	2338.04	Flow Area (sq ft)		2951.95	
E.G. Slope (ft/ft)	0.003700	Area (sq ft)		2951.95	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	327.06	Top Width (ft)		327.06	
Vel Total (ft/s)	10.84	Avg. Vel. (ft/s)		10.84	
Max Chl Dpth (ft)	11.07	Hydr. Depth (ft)		9.03	
Conv. Total (cfs)	526060.4	Conv. (cfs)		526060.4	
Length Wtd. (ft)	13.18	Wetted Per. (ft)		432.54	
Min Ch El (ft)	2329.45	Shear (lb/sq ft)		1.58	
Alpha	1.00	Stream Power (lb/ft s)		17.09	
Frctn Loss (ft)	0.04	Cum Volume (acre-ft)		381.74	
C & E Loss (ft)	0.04	Cum SA (acres)		44.70	

Plan: 100 Year Rillito Reach 1 RS: 7.345907 Profile: PF 1

E.G. Elev (ft)	2342.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.68	Wt. n-Val.		0.030	
W.S. Elev (ft)	2340.58	Reach Len. (ft)	332.60	331.74	331.75
Crit W.S. (ft)	2337.90	Flow Area (sq ft)		3072.12	
E.G. Slope (ft/ft)	0.002374	Area (sq ft)		3072.12	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	337.28	Top Width (ft)		337.28	
Vel Total (ft/s)	10.42	Avg. Vel. (ft/s)		10.42	
Max Chl Dpth (ft)	11.13	Hydr. Depth (ft)		9.11	
Conv. Total (cfs)	656707.5	Conv. (cfs)		656707.5	
Length Wtd. (ft)	331.74	Wetted Per. (ft)		342.65	
Min Ch El (ft)	2329.45	Shear (lb/sq ft)		1.33	
Alpha	1.00	Stream Power (lb/ft s)		13.84	
Frctn Loss (ft)	0.97	Cum Volume (acre-ft)		380.83	
C & E Loss (ft)	0.09	Cum SA (acres)		44.60	

Plan: 100 Year Rillito Reach 1 RS: 7.283078 Profile: PF 1

E.G. Elev (ft)	2341.20	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.57	Wt. n-Val.		0.030	
W.S. Elev (ft)	2338.64	Reach Len. (ft)	498.83	502.00	504.71
Crit W.S. (ft)		Flow Area (sq ft)		2488.61	
E.G. Slope (ft/ft)	0.003684	Area (sq ft)		2488.61	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	274.90	Top Width (ft)		274.90	
Vel Total (ft/s)	12.86	Avg. Vel. (ft/s)		12.86	
Max Chl Dpth (ft)	10.26	Hydr. Depth (ft)		9.05	
Conv. Total (cfs)	527216.5	Conv. (cfs)		527216.5	
Length Wtd. (ft)	502.00	Wetted Per. (ft)		281.33	
Min Ch El (ft)	2328.38	Shear (lb/sq ft)		2.03	
Alpha	1.00	Stream Power (lb/ft s)		26.16	
Frctn Loss (ft)	1.71	Cum Volume (acre-ft)		359.66	
C & E Loss (ft)	0.08	Cum SA (acres)		42.27	

Plan: 100 Year Rillito Reach 1 RS: 7.188000 Profile: PF 1

E.G. Elev (ft)	2339.42	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.31	Wt. n-Val.		0.030	
W.S. Elev (ft)	2337.10	Reach Len. (ft)	501.19	501.17	501.18
Crit W.S. (ft)		Flow Area (sq ft)		2620.95	
E.G. Slope (ft/ft)	0.003169	Area (sq ft)		2620.95	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	278.79	Top Width (ft)		278.79	
Vel Total (ft/s)	12.21	Avg. Vel. (ft/s)		12.21	
Max Chl Dpth (ft)	10.41	Hydr. Depth (ft)		9.40	
Conv. Total (cfs)	568415.3	Conv. (cfs)		568415.3	
Length Wtd. (ft)	501.17	Wetted Per. (ft)		286.06	
Min Ch El (ft)	2326.69	Shear (lb/sq ft)		1.81	
Alpha	1.00	Stream Power (lb/ft s)		22.13	
Frctn Loss (ft)	2.06	Cum Volume (acre-ft)		330.21	
C & E Loss (ft)	0.10	Cum SA (acres)		39.08	

Plan: 100 Year Rillito Reach 1 RS: 7.093081 Profile: PF 1

E.G. Elev (ft)	2337.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	3.32	Wt. n-Val.		0.030	
W.S. Elev (ft)	2333.93	Reach Len. (ft)	433.77	491.35	549.95
Crit W.S. (ft)	2333.38	Flow Area (sq ft)		2188.46	
E.G. Slope (ft/ft)	0.005549	Area (sq ft)		2188.46	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	271.11	Top Width (ft)		271.11	
Vel Total (ft/s)	14.62	Avg. Vel. (ft/s)		14.62	
Max Chl Dpth (ft)	9.67	Hydr. Depth (ft)		8.07	
Conv. Total (cfs)	429574.5	Conv. (cfs)		429574.5	
Length Wtd. (ft)	491.35	Wetted Per. (ft)		277.40	
Min Ch El (ft)	2324.26	Shear (lb/sq ft)		2.73	
Alpha	1.00	Stream Power (lb/ft s)		39.96	
Frctn Loss (ft)	2.19	Cum Volume (acre-ft)		302.55	
C & E Loss (ft)	0.29	Cum SA (acres)		35.91	

Plan: 100 Year Rillito Reach 1 RS: 7.000013 Profile: PF 1

E.G. Elev (ft)	2334.77	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.35	Wt. n-Val.		0.030	
W.S. Elev (ft)	2332.42	Reach Len. (ft)	461.99	460.87	460.91
Crit W.S. (ft)		Flow Area (sq ft)		2601.27	
E.G. Slope (ft/ft)	0.003667	Area (sq ft)		2601.27	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	307.62	Top Width (ft)		307.62	
Vel Total (ft/s)	12.30	Avg. Vel. (ft/s)		12.30	
Max Chl Dpth (ft)	10.03	Hydr. Depth (ft)		8.46	
Conv. Total (cfs)	528427.8	Conv. (cfs)		528427.8	
Length Wtd. (ft)	460.87	Wetted Per. (ft)		313.18	
Min Ch El (ft)	2322.39	Shear (lb/sq ft)		1.90	
Alpha	1.00	Stream Power (lb/ft s)		23.39	
Frctn Loss (ft)	1.34	Cum Volume (acre-ft)		275.53	
C & E Loss (ft)	0.20	Cum SA (acres)		32.65	

Plan: 100 Year Rillito Reach 1 RS: 6.912727 Profile: PF 1

E.G. Elev (ft)	2333.22	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.68	Wt. n-Val.		0.030	
W.S. Elev (ft)	2331.55	Reach Len. (ft)	340.19	375.71	406.76
Crit W.S. (ft)		Flow Area (sq ft)		3078.06	
E.G. Slope (ft/ft)	0.002372	Area (sq ft)		3078.06	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	338.32	Top Width (ft)		338.32	
Vel Total (ft/s)	10.40	Avg. Vel. (ft/s)		10.40	
Max Chl Dpth (ft)	10.87	Hydr. Depth (ft)		9.10	
Conv. Total (cfs)	657090.1	Conv. (cfs)		657090.1	
Length Wtd. (ft)	375.71	Wetted Per. (ft)		344.01	
Min Ch El (ft)	2320.68	Shear (lb/sq ft)		1.32	
Alpha	1.00	Stream Power (lb/ft s)		13.77	
Frctn Loss (ft)	0.78	Cum Volume (acre-ft)		245.49	
C & E Loss (ft)	0.06	Cum SA (acres)		29.23	

Plan: 100 Year Rillito Reach 1 RS: 6.841562 Profile: PF 1

E.G. Elev (ft)	2332.39	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.47	Wt. n-Val.		0.030	
W.S. Elev (ft)	2330.92	Reach Len. (ft)	2.30	2.30	2.30
Crit W.S. (ft)	2327.35	Flow Area (sq ft)		3286.28	
E.G. Slope (ft/ft)	0.001811	Area (sq ft)		3286.28	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	324.17	Top Width (ft)		324.17	
Vel Total (ft/s)	9.74	Avg. Vel. (ft/s)		9.74	
Max Chl Dpth (ft)	12.17	Hydr. Depth (ft)		10.14	
Conv. Total (cfs)	751943.3	Conv. (cfs)		751943.3	
Length Wtd. (ft)	2.30	Wetted Per. (ft)		330.97	
Min Ch El (ft)	2318.75	Shear (lb/sq ft)		1.12	
Alpha	1.00	Stream Power (lb/ft s)		10.93	
Frctn Loss (ft)		Cum Volume (acre-ft)		218.04	
C & E Loss (ft)		Cum SA (acres)		26.37	

Plan: 100 Year Rillito Reach 1 RS: 6.84 BR U Profile: PF 1

E.G. Elev (ft)	2332.02	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.80	Wt. n-Val.		0.030	
W.S. Elev (ft)	2329.22	Reach Len. (ft)	18.00	18.00	18.00
Crit W.S. (ft)	2328.06	Flow Area (sq ft)		2384.57	
E.G. Slope (ft/ft)	0.007689	Area (sq ft)		2384.57	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	279.89	Top Width (ft)		279.89	
Vel Total (ft/s)	13.42	Avg. Vel. (ft/s)		13.42	
Max Chl Dpth (ft)	10.47	Hydr. Depth (ft)		8.52	
Conv. Total (cfs)	364926.1	Conv. (cfs)		364926.1	
Length Wtd. (ft)	18.00	Wetted Per. (ft)		439.07	
Min Ch El (ft)	2318.75	Shear (lb/sq ft)		2.61	
Alpha	1.00	Stream Power (lb/ft s)		34.99	
Frctn Loss (ft)		Cum Volume (acre-ft)		217.89	
C & E Loss (ft)		Cum SA (acres)		26.36	

Plan: 100 Year Rillito Reach 1 RS: 6.84 BR D Profile: PF 1

E.G. Elev (ft)	2331.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.39	Wt. n-Val.		0.030	
W.S. Elev (ft)	2329.22	Reach Len. (ft)	1.34	1.34	1.34
Crit W.S. (ft)	2327.64	Flow Area (sq ft)		2580.31	
E.G. Slope (ft/ft)	0.005100	Area (sq ft)		2580.31	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	299.95	Top Width (ft)		299.95	
Vel Total (ft/s)	12.40	Avg. Vel. (ft/s)		12.40	
Max Chl Dpth (ft)	10.36	Hydr. Depth (ft)		8.60	
Conv. Total (cfs)	448083.2	Conv. (cfs)		448083.2	
Length Wtd. (ft)	1.34	Wetted Per. (ft)		393.05	
Min Ch El (ft)	2318.86	Shear (lb/sq ft)		2.09	
Alpha	1.00	Stream Power (lb/ft s)		25.92	
Frctn Loss (ft)		Cum Volume (acre-ft)		216.87	
C & E Loss (ft)		Cum SA (acres)		26.24	

Plan: 100 Year Rillito Reach 1 RS: 6.837464 Profile: PF 1

E.G. Elev (ft)	2331.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.09	Wt. n-Val.		0.030	
W.S. Elev (ft)	2329.22	Reach Len. (ft)	126.50	125.71	126.66
Crit W.S. (ft)	2327.30	Flow Area (sq ft)		2755.20	
E.G. Slope (ft/ft)	0.003189	Area (sq ft)		2755.20	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	319.95	Top Width (ft)		319.95	
Vel Total (ft/s)	11.61	Avg. Vel. (ft/s)		11.61	
Max Chl Dpth (ft)	10.36	Hydr. Depth (ft)		8.61	
Conv. Total (cfs)	566673.6	Conv. (cfs)		566673.6	
Length Wtd. (ft)	125.71	Wetted Per. (ft)		325.61	
Min Ch El (ft)	2318.86	Shear (lb/sq ft)		1.68	
Alpha	1.00	Stream Power (lb/ft s)		19.57	
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		216.79	
C & E Loss (ft)	0.00	Cum SA (acres)		26.23	

Plan: 100 Year Rillito Reach 1 RS: 6.813656 Profile: PF 1

E.G. Elev (ft)	2330.90	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.13	Wt. n-Val.		0.030	
W.S. Elev (ft)	2328.77	Reach Len. (ft)	509.97	509.83	509.83
Crit W.S. (ft)	2326.93	Flow Area (sq ft)		2731.77	
E.G. Slope (ft/ft)	0.003256	Area (sq ft)		2731.77	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	317.72	Top Width (ft)		317.72	
Vel Total (ft/s)	11.71	Avg. Vel. (ft/s)		11.71	
Max Chl Dpth (ft)	10.43	Hydr. Depth (ft)		8.60	
Conv. Total (cfs)	560804.8	Conv. (cfs)		560804.8	
Length Wtd. (ft)	509.83	Wetted Per. (ft)		323.75	
Min Ch El (ft)	2318.34	Shear (lb/sq ft)		1.72	
Alpha	1.00	Stream Power (lb/ft s)		20.09	
Frctn Loss (ft)	1.93	Cum Volume (acre-ft)		208.87	
C & E Loss (ft)	0.04	Cum SA (acres)		25.31	

Plan: 100 Year Rillito Reach 1 RS: 6.717097 Profile: PF 1

E.G. Elev (ft)	2328.93	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.50	Wt. n-Val.		0.030	
W.S. Elev (ft)	2326.43	Reach Len. (ft)	432.49	420.24	408.85
Crit W.S. (ft)	2325.40	Flow Area (sq ft)		2520.08	
E.G. Slope (ft/ft)	0.004478	Area (sq ft)		2520.08	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	330.28	Top Width (ft)		330.28	
Vel Total (ft/s)	12.70	Avg. Vel. (ft/s)		12.70	
Max Chl Dpth (ft)	9.29	Hydr. Depth (ft)		7.63	
Conv. Total (cfs)	478209.2	Conv. (cfs)		478209.2	
Length Wtd. (ft)	420.24	Wetted Per. (ft)		336.06	
Min Ch El (ft)	2317.14	Shear (lb/sq ft)		2.10	
Alpha	1.00	Stream Power (lb/ft s)		26.62	
Frctn Loss (ft)	1.36	Cum Volume (acre-ft)		178.13	
C & E Loss (ft)	0.23	Cum SA (acres)		21.52	

Plan: 100 Year Rillito Reach 1 RS: 6.637459 Profile: PF 1

E.G. Elev (ft)	2327.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.74	Wt. n-Val.		0.030	
W.S. Elev (ft)	2325.60	Reach Len. (ft)	617.39	571.94	528.06
Crit W.S. (ft)	2323.00	Flow Area (sq ft)		3026.75	
E.G. Slope (ft/ft)	0.002454	Area (sq ft)		3026.75	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	332.04	Top Width (ft)		332.04	
Vel Total (ft/s)	10.57	Avg. Vel. (ft/s)		10.57	
Max Chl Dpth (ft)	10.39	Hydr. Depth (ft)		9.12	
Conv. Total (cfs)	645998.7	Conv. (cfs)		645998.7	
Length Wtd. (ft)	571.94	Wetted Per. (ft)		338.38	
Min Ch El (ft)	2315.21	Shear (lb/sq ft)		1.37	
Alpha	1.00	Stream Power (lb/ft s)		14.49	
Frctn Loss (ft)	1.74	Cum Volume (acre-ft)		151.38	
C & E Loss (ft)	0.06	Cum SA (acres)		18.32	

Plan: 100 Year Rillito Reach 1 RS: 6.528182 Profile: PF 1

E.G. Elev (ft)	2325.54	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.33	Wt. n-Val.		0.030	
W.S. Elev (ft)	2323.21	Reach Len. (ft)	523.91	523.89	523.95
Crit W.S. (ft)	2321.79	Flow Area (sq ft)		2610.26	
E.G. Slope (ft/ft)	0.003847	Area (sq ft)		2610.26	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	321.23	Top Width (ft)		321.23	
Vel Total (ft/s)	12.26	Avg. Vel. (ft/s)		12.26	
Max Chl Dpth (ft)	10.19	Hydr. Depth (ft)		8.13	
Conv. Total (cfs)	515912.0	Conv. (cfs)		515912.0	
Length Wtd. (ft)	523.89	Wetted Per. (ft)		327.46	
Min Ch El (ft)	2313.02	Shear (lb/sq ft)		1.91	
Alpha	1.00	Stream Power (lb/ft s)		23.47	
Frctn Loss (ft)	2.02	Cum Volume (acre-ft)		114.37	
C & E Loss (ft)	0.00	Cum SA (acres)		14.03	

Plan: 100 Year Rillito Reach 1 RS: 6.428960 Profile: PF 1

E.G. Elev (ft)	2323.52	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.35	Wt. n-Val.		0.030	
W.S. Elev (ft)	2321.17	Reach Len. (ft)	474.67	474.65	474.70
Crit W.S. (ft)	2319.76	Flow Area (sq ft)		2603.24	
E.G. Slope (ft/ft)	0.003866	Area (sq ft)		2603.24	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	319.59	Top Width (ft)		319.59	
Vel Total (ft/s)	12.29	Avg. Vel. (ft/s)		12.29	
Max Chl Dpth (ft)	10.42	Hydr. Depth (ft)		8.15	
Conv. Total (cfs)	514647.7	Conv. (cfs)		514647.7	
Length Wtd. (ft)	474.65	Wetted Per. (ft)		326.46	
Min Ch El (ft)	2310.75	Shear (lb/sq ft)		1.92	
Alpha	1.00	Stream Power (lb/ft s)		23.66	
Frctn Loss (ft)	1.93	Cum Volume (acre-ft)		83.02	
C & E Loss (ft)	0.01	Cum SA (acres)		10.18	

Plan: 100 Year Rillito Reach 1 RS: 6.339065 Profile: PF 1

E.G. Elev (ft)	2321.58	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.45	Wt. n-Val.		0.030	
W.S. Elev (ft)	2319.13	Reach Len. (ft)	350.06	348.69	349.87
Crit W.S. (ft)	2317.99	Flow Area (sq ft)		2550.15	
E.G. Slope (ft/ft)	0.004283	Area (sq ft)		2550.15	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	328.94	Top Width (ft)		328.94	
Vel Total (ft/s)	12.55	Avg. Vel. (ft/s)		12.55	
Max Chl Dpth (ft)	9.95	Hydr. Depth (ft)		7.75	
Conv. Total (cfs)	488947.6	Conv. (cfs)		488947.6	
Length Wtd. (ft)	348.69	Wetted Per. (ft)		334.84	
Min Ch El (ft)	2309.18	Shear (lb/sq ft)		2.04	
Alpha	1.00	Stream Power (lb/ft s)		25.56	
Frctn Loss (ft)	1.21	Cum Volume (acre-ft)		54.94	
C & E Loss (ft)	0.18	Cum SA (acres)		6.65	

Plan: 100 Year Rillito Reach 1 RS: 6.273025 Profile: PF 1

E.G. Elev (ft)	2320.18	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.83	Wt. n-Val.		0.030	
W.S. Elev (ft)	2318.35	Reach Len. (ft)	8.60	8.60	8.60
Crit W.S. (ft)	2316.24	Flow Area (sq ft)		2947.11	
E.G. Slope (ft/ft)	0.002855	Area (sq ft)		2947.11	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	348.69	Top Width (ft)		348.69	
Vel Total (ft/s)	10.86	Avg. Vel. (ft/s)		10.86	
Max Chl Dpth (ft)	10.28	Hydr. Depth (ft)		8.45	
Conv. Total (cfs)	598853.3	Conv. (cfs)		598853.3	
Length Wtd. (ft)	8.60	Wetted Per. (ft)		354.67	
Min Ch El (ft)	2308.07	Shear (lb/sq ft)		1.48	
Alpha	1.00	Stream Power (lb/ft s)		16.08	
Frctn Loss (ft)	0.03	Cum Volume (acre-ft)		32.94	
C & E Loss (ft)	0.03	Cum SA (acres)		3.93	

Plan: 100 Year Rillito Reach 1 RS: 6.27 BR U Profile: PF 1

E.G. Elev (ft)	2320.13	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.12	Wt. n-Val.		0.030	
W.S. Elev (ft)	2318.01	Reach Len. (ft)	64.00	64.00	64.00
Crit W.S. (ft)	2316.38	Flow Area (sq ft)		2740.30	
E.G. Slope (ft/ft)	0.005465	Area (sq ft)		2740.30	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	337.75	Top Width (ft)		337.75	
Vel Total (ft/s)	11.68	Avg. Vel. (ft/s)		11.68	
Max Chl Dpth (ft)	9.94	Hydr. Depth (ft)		8.11	
Conv. Total (cfs)	432853.1	Conv. (cfs)		432853.1	
Length Wtd. (ft)	64.00	Wetted Per. (ft)		481.16	
Min Ch El (ft)	2308.07	Shear (lb/sq ft)		1.94	
Alpha	1.00	Stream Power (lb/ft s)		22.69	
Frctn Loss (ft)	0.32	Cum Volume (acre-ft)		32.38	
C & E Loss (ft)	0.01	Cum SA (acres)		3.87	

Plan: 100 Year Rillito Reach 1 RS: 6.27 BR D Profile: PF 1

E.G. Elev (ft)	2319.79	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.10	Wt. n-Val.		0.030	
W.S. Elev (ft)	2317.69	Reach Len. (ft)	4.96	4.96	4.96
Crit W.S. (ft)	2316.09	Flow Area (sq ft)		2752.10	
E.G. Slope (ft/ft)	0.004708	Area (sq ft)		2752.10	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	344.19	Top Width (ft)		344.19	
Vel Total (ft/s)	11.63	Avg. Vel. (ft/s)		11.63	
Max Chl Dpth (ft)	9.35	Hydr. Depth (ft)		8.00	
Conv. Total (cfs)	466373.0	Conv. (cfs)		466373.0	
Length Wtd. (ft)	4.96	Wetted Per. (ft)		434.88	
Min Ch El (ft)	2308.34	Shear (lb/sq ft)		1.86	
Alpha	1.00	Stream Power (lb/ft s)		21.63	
Frctn Loss (ft)	0.02	Cum Volume (acre-ft)		28.35	
C & E Loss (ft)	0.02	Cum SA (acres)		3.37	

Plan: 100 Year Rillito Reach 1 RS: 6.258328 Profile: PF 1

E.G. Elev (ft)	2319.75	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.02	Wt. n-Val.		0.030	
W.S. Elev (ft)	2317.73	Reach Len. (ft)	480.14	418.85	372.04
Crit W.S. (ft)	2316.04	Flow Area (sq ft)		2808.33	
E.G. Slope (ft/ft)	0.003354	Area (sq ft)		2808.33	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	349.30	Top Width (ft)		349.30	
Vel Total (ft/s)	11.39	Avg. Vel. (ft/s)		11.39	
Max Chl Dpth (ft)	9.39	Hydr. Depth (ft)		8.04	
Conv. Total (cfs)	552560.2	Conv. (cfs)		552560.2	
Length Wtd. (ft)	418.85	Wetted Per. (ft)		354.70	
Min Ch El (ft)	2308.34	Shear (lb/sq ft)		1.66	
Alpha	1.00	Stream Power (lb/ft s)		18.89	
Frctn Loss (ft)	1.23	Cum Volume (acre-ft)		28.03	
C & E Loss (ft)	0.08	Cum SA (acres)		3.33	

Plan: 100 Year Rillito Reach 1 RS: 6.179000 Profile: PF 1

E.G. Elev (ft)	2318.44	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.74	Wt. n-Val.		0.030	
W.S. Elev (ft)	2316.70	Reach Len. (ft)			
Crit W.S. (ft)	2314.28	Flow Area (sq ft)		3021.59	
E.G. Slope (ft/ft)	0.002576	Area (sq ft)		3021.59	
Q Total (cfs)	32000.00	Flow (cfs)		32000.00	
Top Width (ft)	342.62	Top Width (ft)		342.62	
Vel Total (ft/s)	10.59	Avg. Vel. (ft/s)		10.59	
Max Chl Dpth (ft)	10.83	Hydr. Depth (ft)		8.82	
Conv. Total (cfs)	630476.3	Conv. (cfs)		630476.3	
Length Wtd. (ft)		Wetted Per. (ft)		349.46	
Min Ch El (ft)	2305.87	Shear (lb/sq ft)		1.39	
Alpha	1.00	Stream Power (lb/ft s)		14.73	
Frctn Loss (ft)		Cum Volume (acre-ft)			
C & E Loss (ft)		Cum SA (acres)			