

Sterling Ranch Model - Changed N values - Used MDDP Flows

Xsection	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Max Chl Dpth (ft)	Crit W.S. (ft)	E.G. Slope (ft/ft)	Vel Left (ft/s)	Vel Chnl (ft/s)	Vel Right (ft/s)	Shear LOB (lb/sq ft)	Shear Chan (lb/sq ft)	Shear ROB (lb/sq ft)	Flow Area (sq ft)	Top Width (ft)	Froude #	Chl
SL-153	6800	PF 2	2204	7000	7005.11	5.11	7005.11	0.007218	3.96	10.66	4.09	0.63	1.82	0.67	242.69	83.83	0.93	
SL-154	6900	PF 2	2204	7001.99	7006.64	4.65	7005.85	0.006074	2.77	7.64	6.48	0.42	1.62	1.04	316.49	97.92	0.65	
SL-155	7000	PF 2	1906	7002	7007.35	5.35	7007.39	0.009313	5.45	10.98	5.26	1.09	2.55	0.85	214.01	74.04	0.92	
SL-156	7100	PF 2	1906	7003.82	7007.92	4.1	7008.65	0.019024	5.94	14.41	3.61	1.77	4.58	0.7	186.41	85.36	1.28	
SL-157	7200	PF 2	1906	7005.93	7010.69	4.76	7010.69	0.008559	4.62	9.69	2.01	0.83	2.07	0.2	263.95	115.47	0.85	
SL-158	7300	PF 2	1906	7005.9	7011.74	5.84	7011.37	0.006548	3.11	8.38	3.59	0.6	1.9	0.44	323.16	138.94	0.67	
SL-159	7400	PF 2	1906	7008	7012.53	4.53	7012.34	0.011088	4.01	8.63	4.3	1	2.71	0.95	274.35	114.61	0.77	
SL-160	7500	PF 2	1906	7010.07	7013.17	3.1	7013.8	0.030787	11.65	13.51	9.54	4.59	5.73	2.79	163.64	76.28	1.38	
SL-161	7600	PF 2	1906	7011.9	7015.69	3.79	7016.51	0.036854	6.47	15.3	6.65	1.99	7.23	1.7	131.08	118.44	1.51	
SL-162	7700	PF 2	1906	7013.04	7019.23	6.19	7019.68	0.015226	8.02	14.34	8.29	2.2	5.26	2.31	171.52	50.87	1.06	
SL-163	7800	PF 2	1906	7016.91	7021.39	4.47	7021.39	0.012723	6.79	10.95	9.44	1.64	3.35	1.74	189.64	57.77	0.94	
SL-164	7900	PF 2	1906	7018.37	7023.27	4.9		0.008428	5	7.91	5.23	0.94	2.22	0.82	261.5	79.43	0.68	
SL-165	8000	PF 2	1906	7019.99	7023.99	4	7023.43	0.008872	5.53	8.8	4.7	1.31	2.21	1.03	239.29	70.12	0.78	
SL-166	8100	PF 2	1906	7021.38	7023.06	1.68	7024.93	0.233181	18.36	26.46	8.91	9.79	21.35	5.1	76.7	66.67	3.85	
SL-167	8300	PF 2	1906	7035.4	7038.66	5.85	7038.66	0.009627	4.51	9.8	6.31	0.83	1.72	1.12	263.87	184.1	1.02	
SL-168	8400	PF 2	1906	7037.23	7039.81	2.58	7039.27	0.00381	2.42	5.77	2.79	0.21	0.56	0.21	338.35	154.45	0.67	
SL-169	8600	PF 2	1906	7037.98	7040.56	2.57		0.000944	1.25	3.06	1.57	0.07	0.15	0.08	643.32	265.01	0.34	
SL-170	8700	PF 2	1906	7037.99	7040.57	2.58		0.002512	2.03	4.66	2.23	0.18	0.4	0.21	430.55	183.06	0.51	
SL-171	8800	PF 2	1906	7038	7040.72	2.72		0.006655	3.01	6.73	3.7	0.41	1.13	0.56	303.82	132.23	0.72	
SL-172	8900	PF 2	1906	7038	7041.66	3.66		0.005108	2.06	4.67	2.03	0.26	0.89	0.26	414.28	157.92	0.49	
SL-173	9000	PF 2	1906	7038.44	7042.25	3.81		0.007006	3.52	4.81	2.88	0.53	1.36	0.46	407.31	150.26	0.48	
SL-174	9100	PF 2	1906	7039.93	7043	3.07	7042.99	0.023404	6.15	8.93	4	2.57	4.02	1.21	258.97	132.9	0.95	
SL-175	9200	PF 2	1906	7041.69	7044.98	3.29	7044.38	0.012479	8.25	6.59	4.42	1.42	2.51	1.02	298.84	123.76	0.65	
SL-176	9300	PF 2	1906	7043.26	7044.82	1.56	7046.12	0.378378	12.25	18.56	10.47	11.06	31.77	10.24	104.22	82.92	2.82	
SL-177	9410	PF 2	1906	7050.66	7052.64	1.98	7052.64	0.00857	4.03	7.68	3.54	0.56	1.05	0.46	294.63	199.1	0.97	
SL-178	9500	PF 2	1906	7044.3	7053.5	9.2		0.000368	1.37	2.48	1.24	0.07	0.21	0.05	893.21	162.93	0.14	
SL-179	9600	PF 2	1906	7044.9	7053.5	8.6		0.000467	1.46	3.33	1.58	0.09	0.25	0.08	695.61	132.34	0.2	
SL-180	9700	PF 2	1906	7045.8	7053.46	7.66	7051.16	0.00154	1.98	5.19	3.64	0.18	0.65	0.31	456.93	175.65	0.35	
SL-285	9800	PF 2	1776	7046.5	7053.67	7.17		0.001898	2.37	4.37	2.69	0.21	0.63	0.21	430.07	101.38	0.33	
SL-181	9900	PF 2	1776	7048	7053.77	5.77		0.002585	2.94	5.53	4.71	0.31	0.81	0.37	343.51	86.6	0.43	
SL-182	10000	PF 2	1776	7050	7053.93	3.93		0.008319	3.19	7.57	3.2	0.31	1.73	0.48	253.82	101.71	0.73	
SL-183	10100	PF 2	1776	7051	7054.75	3.75	7054.21	0.007766	4.44	7.53	3.54	0.5	1.69	0.65	259.44	95.63	0.71	
SL-184	10204	PF 2	1776	7052	7056.42	4.42	7056.42	0.015517	5.5	9.77	6.36	1.26	3.54	0.91	198.09	72.7	0.9	
SL-185	10300	PF 2	1776	7053.3	7058.19	4.89	7057.09	0.004537	3.38	5.57	3.53	0.53	1.12	0.31	370.41	130.98	0.49	
SL-186	10386	PF 2	1776	7055.77	7059.07	3.3	7059.07	0.010591	4.81	9.45	5.03	0.93	2.1	1	228.81	101.99	0.93	
SL-187	10500	PF 2	1776	7056.67	7060.69	4.02	7060.49	0.010277	2.58	7.22	2.43	0.21	1.7	0.4	268.59	143.71	0.78	
SL-188	10600	PF 2	1776	7058	7061.2	3.2	7061.69	0.019579	3.64	11.86	5.51	0.42	3.45	1.59	223.37	134.73	1.21	
SL-189	10700	PF 2	1776	7058.14	7061.55	3.41	7063.42	0.033144	5.64	17.14	5.32	1.58	5.42	1.44	107.96	46.51	1.86	
SL-190	10800	PF 2	1776	7059.99	7065.37	5.37	7066.04	0.007334	3.79	13	3.93	0.6	2.21	0.63	188.73	77.94	1.02	
SL-191	10900	PF 2	1776	7061.91	7066.54	4.63	7066.54	0.007188	2.26	11.07	3.36	0.27	1.92	0.49	177.74	61.15	0.93	
SL-192	11000	PF 2	1776	7062	7066.08	4.08	7067.05	0.013882	4.16	14.3	5.65	0.66	3	0.82	128.99	41.87	1.35	
SL-193	11100	PF 2	1776	7063.98	7069	5.02	7069	0.019204	3.75	11.29	3.8	0.89	5.44	0.91	165.44	47.07	0.92	
SL-194	11200	PF 2	1776	7065.98	7071.52	5.53	7069.93	0.006226	3.9	6.31	3.87	0.71	1.98	0.59	303.69	81.81	0.49	
SL-195	11300	PF 2	1776	7067.97	7071.13	3.16	7071.68	0.040934	7.45	12.27	8.05	3.01	7	3.38	165.74	84.88	1.3	
SL-196	11400	PF 2	1776	7069.57	7073.76	4.19	7074.52	0.020562	7.41	13.51	4.62	1.72	5.18	1.04	165.85	86.28	1.18	
SL-197	11500	PF 2	1776	7071.93	7076.66	4.72	7076.79	0.011904	6.48	10.74	4.75	1.32	3.2	1.04	237.67	115.63	0.9	
SL-198	11600	PF 2	1776	7074	7077.55	3.55	7078.35	0.032101	7.29	13.06	5.65	1.49	6.57	1.57	145.63	78.74	1.25	

Branding Iron #2

Homestead #2

Verify that all highlighted stations / values have adequate protection.

SL-199	11700	PF 2	1776	7078.09	7081.51	3.42	7081.51	0.020013	6.74	8.88	4.28	1.18	3.28	0.92	204.67	159.7	0.97
SL-200	11800	PF 2	1776	7079.98	7083.5	3.52	7083.07	0.009377	5.56	6.93	3.56	1.05	1.87	0.58	278.61	231.99	0.68
SL-201	11900	PF 2	1776	7080	7084.4	4.39	7084.17	0.006413	4.04	6.64	2.3	0.62	1.12	0.27	337.62	199.34	0.7
SL-202	12000	PF 2	1776	7081.48	7085.65	4.17	7085.67	0.01367	4.69	8.69	5.13	0.96	2.42	0.64	229.59	111.06	0.91
SL-203	12100	PF 2	1776	7084.54	7087.58	3.04	7087.58	0.031083	5.4	8.52	5.49	1.45	4.64	1.49	212.28	97.67	0.97
SL-204	12200	PF 2	1776	7086	7089.55	3.55	7088.57	0.005855	4.55	4.64	2.98	0.61	1.07	0.39	387.14	152.24	0.48
SL-205	12300	PF 2	1776	7088.42	7091.33	2.91	7091.33	0.020165	5.43	8.06	4.46	0.85	2.84	0.8	227.68	119.56	0.95
SL-206	12400	PF 2	1776	7089.96	7093.02	3.06	7092.88	0.01476	6.6	8.43	3.89	1.33	2.81	0.88	232.19	106.29	0.85
SL-207	12500	PF 2	1776	7091.14	7094.35	3.21	7094.26	0.013028	6.38	8.64	4.48	0.98	2.37	0.88	216.41	90.39	0.89
SL-208	12600	PF 2	1776	7092	7095.94	3.93		0.011722	3.81	7.15	3.24	0.67	2.42	0.63	254.37	85.35	0.69
SL-209	12700	PF 2	1776	7093.09	7097.2	4.11		0.013006	6.02	7.41	5.99	1.64	3.03	1.36	258.71	92.7	0.68
SL-210	12800	PF 2	1776	7094	7098.37	4.37		0.01181	4.75	7.48	5.01	0.94	2.6	0.84	251.63	90.53	0.7
SL-211	12900	PF 2	1638	7095.97	7099.48	3.51		0.008511	4.64	6.9	6.49	0.68	1.81	0.9	245	84.82	0.66
SL-212	13000	PF 2	1638	7096.23	7100.38	4.15	7099.71	0.008499	3.54	6.75	4.41	0.67	1.75	0.63	256.31	93.39	0.65
SL-213	13100	PF 2	1638	7097.83	7101.46	3.63	7101.46	0.01977	5.91	9.45	7.77	1.48	4.2	1.83	184.79	73.37	0.9
SL-214	13200	PF 2	1638	7099.41	7103.55	4.13	7102.7	0.009933	5.03	6.68	4.53	1.17	2.42	0.84	266.7	93.18	0.6

Homestead #2