



Legend

- Main Stem
- Existing Cross Sections
- 100 Year Water Surface Boundary

HEC-RAS Plan: EX River: Taylor Run Reach: Main Channel

Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl	Shear Chan (lb/sq ft)	Shear Total (lb/sq ft)
Main Channel	2304 10+27.24	1 YR	166.00	146.45	148.55	148.55	149.19	0.016907	6.45	26.63	23.32	1.00	1.33	1.18
Main Channel	2304 10+27.24	2 YR	225.00	146.45	148.85	148.85	149.61	0.015545	7.02	34.08	25.63	0.99	1.48	1.26
Main Channel	2304 10+27.24	10 YR	343.00	146.45	149.38	149.38	150.32	0.013939	7.88	48.89	29.49	0.97	1.71	1.40
Main Channel	2304 10+27.24	100 YR	672.00	146.45	150.46	150.46	151.84	0.012925	9.68	82.61	32.68	0.98	2.29	1.94
Main Channel	2131 11+94.00	1 YR	166.00	141.46	143.03	143.45	144.46	0.049368	9.60	17.29	16.39	1.65	3.16	3.16
Main Channel	2131 11+94.00	2 YR	225.00	141.46	143.24	143.78	145.04	0.051081	10.76	20.90	16.99	1.71	3.79	3.79
Main Channel	2131 11+94.00	10 YR	343.00	141.46	143.63	144.34	146.02	0.050791	12.39	27.68	17.88	1.76	4.67	4.67
Main Channel	2131 11+94.00	100 YR	672.00	141.46	144.60	145.61	147.95	0.041616	14.70	45.87	19.81	1.68	5.75	5.54
Main Channel	2065 12+60.00	1 YR	166.00	140.68	142.98	142.73	143.47	0.010244	5.59	29.71	19.09	0.79	0.95	0.94
Main Channel	2065 12+60.00	2 YR	225.00	140.68	143.34	143.04	143.93	0.009795	6.17	36.59	19.95	0.79	1.09	1.05
Main Channel	2065 12+60.00	10 YR	343.00	140.68	143.90	143.59	144.71	0.009698	7.21	48.32	21.33	0.82	1.37	1.27
Main Channel	2065 12+60.00	100 YR	672.00	140.68	144.99	144.81	146.44	0.010704	9.70	73.01	24.03	0.91	2.19	1.83
Main Channel	2021 13+04.00	1 YR	166.00	140.42	142.71		143.07	0.006585	4.84	34.31	19.44	0.64	0.68	0.68
Main Channel	2021 13+04.00	2 YR	225.00	140.42	143.07		143.53	0.007008	5.43	41.41	20.52	0.67	0.83	0.83
Main Channel	2021 13+04.00	10 YR	343.00	140.42	143.66		144.28	0.007420	6.34	54.09	22.33	0.71	1.06	1.04
Main Channel	2021 13+04.00	100 YR	672.00	140.42	144.87		145.93	0.007470	8.31	83.30	26.16	0.77	1.59	1.36
Main Channel	1925 14+00.00	1 YR	166.00	139.56	141.43	141.43	142.08	0.016994	6.54	26.50	21.00	1.01	1.36	1.29
Main Channel	1925 14+00.00	2 YR	225.00	139.56	141.73	141.73	142.52	0.016020	7.16	32.98	21.79	1.01	1.54	1.45
Main Channel	1925 14+00.00	10 YR	343.00	139.56	142.24	142.24	143.27	0.014721	8.21	44.33	23.10	1.01	1.85	1.66
Main Channel	1925 14+00.00	100 YR	672.00	139.56	143.41	143.41	144.98	0.012337	10.16	73.21	26.21	1.00	2.44	1.98
Main Channel	1871 14+54.00	1 YR	166.00	135.15	137.00	137.80	139.93	0.118828	13.81	12.56	13.43	2.43	6.80	6.33
Main Channel	1871 14+54.00	2 YR	225.00	135.15	137.27	138.07	140.44	0.115701	14.41	16.49	16.03	2.44	7.20	6.78
Main Channel	1871 14+54.00	10 YR	343.00	135.15	137.62	138.59	141.24	0.127582	15.43	23.59	22.11	2.60	8.18	7.87
Main Channel	1871 14+54.00	100 YR	672.00	135.15	138.34	139.70	143.20	0.094688	17.93	40.32	24.23	2.41	9.51	9.01
Main Channel	1805 15+20.00	1 YR	166.00	132.66	134.53	134.83	135.69	0.032509	8.66	19.17	15.19	1.36	2.44	2.44
Main Channel	1805 15+20.00	2 YR	225.00	132.66	134.81	135.18	136.23	0.032770	9.57	23.51	16.00	1.39	2.84	2.84
Main Channel	1805 15+20.00	10 YR	343.00	132.66	135.34	135.80	137.08	0.029994	10.59	32.40	17.49	1.37	3.23	3.23
Main Channel	1805 15+20.00	100 YR	672.00	132.66	136.26	137.10	139.10	0.033834	13.51	49.72	19.95	1.51	4.81	4.81
Main Channel	1766 15+59.00	1 YR	166.00	130.81	132.87	133.27	134.32	0.037244	9.67	17.17	12.38	1.45	2.98	2.98
Main Channel	1766 15+59.00	2 YR	225.00	130.81	133.22	133.68	134.89	0.034731	10.37	21.71	13.19	1.42	3.25	3.25
Main Channel	1766 15+59.00	10 YR	343.00	130.81	133.82	134.37	135.85	0.031889	11.41	30.07	14.54	1.40	3.67	3.67
Main Channel	1766 15+59.00	100 YR	672.00	130.81	135.10	135.85	137.87	0.028945	13.35	50.36	17.29	1.38	4.54	4.54
Main Channel	1725 16+00.00	1 YR	166.00	130.16	131.56	131.85	132.65	0.038406	8.39	19.78	19.02	1.45	2.43	2.43
Main Channel	1725 16+00.00	2 YR	225.00	130.16	131.72	132.15	133.22	0.045100	9.85	22.85	19.39	1.60	3.21	3.21
Main Channel	1725 16+00.00	10 YR	343.00	130.16	132.03	132.68	134.20	0.050293	11.83	28.99	20.05	1.73	4.35	4.35
Main Channel	1725 16+00.00	100 YR	672.00	130.16	132.80	133.85	136.26	0.050822	14.92	45.05	21.58	1.82	6.17	6.17
Main Channel	1642 16+83.00	1 YR	166.00	128.38	130.59	130.24	131.03	0.008635	5.30	31.32	18.85	0.73	0.84	0.84
Main Channel	1642 16+83.00	2 YR	225.00	128.38	130.98	130.56	131.50	0.008337	5.80	38.80	19.62	0.73	0.95	0.95
Main Channel	1642 16+83.00	10 YR	343.00	128.38	131.64	131.11	132.32	0.007699	6.58	52.32	20.95	0.73	1.13	1.09
Main Channel	1642 16+83.00	100 YR	672.00	128.38	133.10	132.34	134.11	0.007053	8.06	85.01	23.87	0.73	1.50	1.37
Main Channel	1585 17+40.00	1 YR	166.00	127.92	130.18		130.56	0.007135	4.98	33.36	18.96	0.66	0.73	0.73
Main Channel	1585 17+40.00	2 YR	225.00	127.92	130.59		131.05	0.006901	5.45	41.29	19.68	0.66	0.83	0.83
Main Channel	1585 17+40.00	10 YR	343.00	127.92	131.29		131.88	0.006672	6.17	55.57	20.95	0.67	0.99	0.99
Main Channel	1585 17+40.00	100 YR	672.00	127.92	132.81		133.68	0.006521	7.51	89.43	23.79	0.68	1.32	1.32
Main Channel	1466 18+59.00	1 YR	166.00	126.81	129.05		129.56	0.009776	5.73	28.98	16.94	0.77	0.97	0.97
Main Channel	1466 18+59.00	2 YR	225.00	126.81	129.42		130.05	0.010046	6.36	35.38	17.85	0.80	1.15	1.15
Main Channel	1466 18+59.00	10 YR	343.00	126.81	130.00		130.86	0.010856	7.43	46.16	19.28	0.85	1.48	1.48
Main Channel	1466 18+59.00	100 YR	672.00	126.81	131.17	131.01	132.59	0.012380	9.56	70.39	22.27	0.94	2.22	2.18
Main Channel	1425 19+00.00	1 YR	166.00	126.56	128.88		129.21	0.005628	4.63	35.86	18.93	0.59	0.62	0.62
Main Channel	1425 19+00.00	2 YR	225.00	126.56	129.25		129.67	0.006050	5.23	43.00	19.71	0.62	0.75	0.75
Main Channel	1425 19+00.00	10 YR	343.00	126.56	129.82		130.43	0.007009	6.28	54.59	20.91	0.69	1.03	1.03
Main Channel	1425 19+00.00	100 YR	672.00	126.56	130.96		132.06	0.009101	8.43	79.75	23.32	0.80	1.71	1.71
Main Channel	1391 19+34.13	1 YR	166.00	126.34	128.73		129.02	0.005094	4.32	38.47	21.23	0.57	0.54	0.54
Main Channel	1391 19+34.13	2 YR	225.00	126.34	129.10		129.46	0.005458	4.81	46.80	23.04	0.59	0.65	0.65
Main Channel	1391 19+34.13	10 YR	343.00	126.34	129.68		130.18	0.005921	5.65	60.74	24.74	0.64	0.84	0.84
Main Channel	1391 19+34.13	100 YR	672.00	126.34	130.90		131.71	0.006649	7.23	93.23	28.92	0.70	1.26	1.22
Main Channel	1320 20+05.00	1 YR	166.00	125.94	127.86	127.76	128.42	0.014269	6.02	27.57	20.53	0.92	1.15	1.15
Main Channel	1320 20+05.00	2 YR	225.00	125.94	128.18	128.08	128.84	0.013970	6.52	34.53	22.42	0.93	1.29	1.29
Main Channel	1320 20+05.00	10 YR	343.00	125.94	128.69	128.60	129.53	0.013548	7.35	46.65	24.50	0.94	1.54	1.54
Main Channel	1320 20+05.00	100 YR	672.00	125.94	129.81	129.69	131.04	0.012406	8.88	75.69	27.47	0.94	1.99	1.99
Main Channel	1209 21+16.00	1 YR	166.00	123.65	125.91	125.91	126.66	0.017280	6.94	23.93	16.28	1.01	1.50	1.50
Main Channel	1209 21+16.00	2 YR	225.00	123.65	126.29	126.29	127.14	0.016478	7.39	30.46	18.17	1.01	1.62	1.62
Main Channel	1209 21+16.00	10 YR	343.00	123.65	126.90	126.90	127.91	0.015452	8.07	42.52	21.10	1.00	1.82	1.82
Main Channel	1209 21+16.00	100 YR	672.00	123.65	128.09	128.09	129.54	0.014353	9.66	69.59	24.66	1.01	2.34	2.33
Main Channel	1164 21+61.00	1 YR	166.00	122.44	125.59	124.19	125.69	0.001212	2.55	65.58	28.29	0.29	0.17	0.17
Main Channel	1164 21+61.00	2 YR	225.00	122.44	126.01	124.44	126.15	0.001318	2.92	77.73	29.09	0.31	0.22	0.20
Main Channel	1164 21+61.00	10 YR	343.00	122.44	126.74	124.88	126.93	0.001478	3.50	99.64	31.18	0.34	0.29	0.27
Main Channel	1164 21+61.00	100 YR	672.00	122.44	128.30	125.86	128.62	0.001603	4.59	154.87	43.87	0.37	0.45	0.33
Main Channel	1106 22+19.00	1 YR	166.00	122.90	125.19		125.53	0.007349	4.66	35.64	23.16	0.66	0.66	0.66
Main Channel	1106 22+19.00	2 YR	225.00	122.90	125.59		125.98	0.006562	4.99	45.12	24.08	0.64	0.72	0.72
Main Channel	1106 22+19.00	10 YR	343.00	122.90	126.29		126.76	0.005728	5.49	62.49	25.68	0.62	0.80	0.80
Main Channel	1106 22+19.00	100 YR	672.00	122.90	127.79		128.44	0.004817	6.45	105.87	34.74	0.60	0.98	0.84
Main Channel	1060 22+65.00	1 YR	166.00	122.47	124.25	124.25	124.99	0.017636	6.88	24.12	16.57	1.01	1.48	1.48
Main Channel	1060 22+65.00	2 YR	225.00	122.47	124.60	124.60	125.47	0.016977	7.48	30.10	17.56	1.01	1.67	1.67
Main Channel	1060 22+65.00	10 YR	343.00	122.47	125.20	125.20	126.28	0.016051	8.34	41.11	19.23	1.01	1.94	1.94
Main Channel	1060 22+65.00	100 YR	672.00	122.47	126.49	126.49	127.99	0.014793	9.85	68.20	22.91	1.01</		

HEC-RAS Plan: EX River: Taylor Run Reach: Main Channel (Continued)

Reach	River Sta		Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl	Shear Chan (lb/sq ft)	Shear Total (lb/sq ft)
Main Channel	981	23+44.00	10 YR	343.00	120.69	123.15	123.51	124.59	0.028981	9.62	35.65	22.07	1.33	2.78	2.78
Main Channel	981	23+44.00	100 YR	672.00	120.69	123.98	124.60	126.29	0.030570	12.18	55.17	24.47	1.43	4.01	4.01
Main Channel	925	24+00.00	1 YR	166.00	119.56	121.49	121.55	122.24	0.020644	6.96	23.86	18.74	1.09	1.57	1.57
Main Channel	925	24+00.00	2 YR	225.00	119.56	121.77	121.87	122.69	0.020262	7.67	29.32	19.44	1.10	1.81	1.81
Main Channel	925	24+00.00	10 YR	343.00	119.56	122.54	122.41	123.45	0.013153	7.63	44.94	21.25	0.93	1.61	1.61
Main Channel	925	24+00.00	100 YR	672.00	119.56	124.51	123.63	125.34	0.006528	7.33	91.62	26.25	0.69	1.27	1.27
Main Channel	768	25+57.00	1 YR	166.00	118.00	120.78	119.90	121.02	0.003638	3.90	42.56	21.43	0.49	0.43	0.43
Main Channel	768	25+57.00	2 YR	225.00	118.00	121.20	120.23	121.49	0.003686	4.36	51.69	22.66	0.50	0.51	0.49
Main Channel	768	25+57.00	10 YR	343.00	118.00	121.88		122.29	0.003800	5.13	67.78	24.75	0.53	0.65	0.60
Main Channel	768	25+57.00	100 YR	672.00	118.00	124.25		124.68	0.002143	5.34	145.64	40.36	0.42	0.60	0.44
Main Channel	715	26+10.00	1 YR	166.00	118.00	120.61		120.83	0.003425	3.79	43.83	22.12	0.47	0.40	0.40
Main Channel	715	26+10.00	2 YR	225.00	118.00	121.02		121.30	0.003582	4.23	53.18	23.32	0.49	0.48	0.48
Main Channel	715	26+10.00	10 YR	343.00	118.00	121.70		122.08	0.003802	4.92	69.74	25.21	0.52	0.61	0.61
Main Channel	715	26+10.00	100 YR	672.00	118.00	124.19		124.55	0.001891	4.83	140.74	32.44	0.39	0.50	0.46
Main Channel	576	27+49.00	1 YR	166.00	117.61	119.20	119.20	119.87	0.017355	6.58	25.23	18.99	1.01	1.38	1.38
Main Channel	576	27+49.00	2 YR	225.00	117.61	119.51	119.51	120.31	0.016565	7.16	31.41	19.93	1.01	1.55	1.55
Main Channel	576	27+49.00	10 YR	343.00	117.61	120.06	120.06	121.06	0.015611	8.04	42.65	21.49	1.01	1.82	1.82
Main Channel	576	27+49.00	100 YR	672.00	117.61	123.97		124.30	0.001562	4.65	159.88	43.54	0.37	0.45	0.33
Main Channel	525	28+00.00	1 YR	166.00	116.00	118.55	117.92	118.81	0.004938	4.14	40.13	23.69	0.56	0.50	0.50
Main Channel	525	28+00.00	2 YR	225.00	116.00	118.92	118.22	119.24	0.005008	4.58	49.08	24.94	0.58	0.59	0.59
Main Channel	525	28+00.00	10 YR	343.00	116.00	119.50	118.73	119.95	0.005271	5.33	64.33	26.82	0.61	0.75	0.75
Main Channel	525	28+00.00	100 YR	672.00	116.00	124.05		124.21	0.000486	3.25	291.83	80.13	0.22	0.20	0.11
Main Channel	416	29+09.00	1 YR	166.00	116.00	118.09		118.33	0.003917	4.01	45.98	28.26	0.51	0.45	0.39
Main Channel	416	29+09.00	2 YR	225.00	116.00	118.41		118.73	0.004413	4.62	55.94	33.83	0.55	0.58	0.44
Main Channel	416	29+09.00	10 YR	343.00	116.00	118.93		119.38	0.005019	5.56	75.79	43.41	0.61	0.79	0.53
Main Channel	416	29+09.00	100 YR	672.00	116.00	124.07		124.15	0.000260	2.62	551.62	131.05	0.17	0.12	0.07
Main Channel	351	29+75.01	1 YR	166.00	116.00	117.68		118.00	0.006408	4.54	39.36	32.38	0.64	0.62	0.47
Main Channel	351	29+75.01	2 YR	225.00	116.00	117.93		118.35	0.007289	5.26	48.04	37.30	0.69	0.80	0.57
Main Channel	351	29+75.01	10 YR	343.00	116.00	118.33	118.04	118.95	0.008597	6.43	64.42	45.45	0.77	1.12	0.74
Main Channel	351	29+75.01	100 YR	672.00	116.00	124.06		124.13	0.000234	2.53	511.04	94.78	0.16	0.11	0.08
Main Channel	311	30+13.88	1 YR	166.00	116.00	117.05	117.05	117.55	0.017693	5.71	30.64	33.14	1.00	1.12	1.01
Main Channel	311	30+13.88	2 YR	225.00	116.00	117.27	117.27	117.88	0.016491	6.30	38.34	34.87	1.00	1.28	1.12
Main Channel	311	30+13.88	10 YR	343.00	116.00	117.68	117.68	118.46	0.014826	7.19	52.93	37.80	0.99	1.52	1.28
Main Channel	311	30+13.88	100 YR	672.00	116.00	124.03	118.58	124.11	0.000230	2.57	394.10	68.97	0.16	0.11	0.08
Main Channel	261			Culvert											
Main Channel	205	31+20.09	1 YR	166.00	112.00	113.58	113.57	114.18	0.017153	6.24	26.61	21.86	1.00	1.27	1.27
Main Channel	205	31+20.09	2 YR	225.00	112.00	113.89	113.88	114.58	0.016348	6.63	33.92	24.51	0.99	1.38	1.38
Main Channel	205	31+20.09	10 YR	343.00	112.00	114.55	114.37	115.24	0.011478	6.66	51.56	29.03	0.87	1.27	1.24
Main Channel	205	31+20.09	100 YR	672.00	112.00	115.87		116.70	0.007428	7.31	94.80	35.63	0.76	1.31	1.19
Main Channel	125	32+00.00	1 YR	166.00	110.48	112.63	112.40	113.09	0.009821	5.47	31.88	23.38	0.78	0.91	0.82
Main Channel	125	32+00.00	2 YR	225.00	110.48	112.92	112.70	113.51	0.010321	6.19	38.83	24.87	0.82	1.11	0.98
Main Channel	125	32+00.00	10 YR	343.00	110.48	113.29	113.22	114.20	0.012959	7.71	48.51	26.83	0.94	1.63	1.42
Main Channel	125	32+00.00	100 YR	672.00	110.48	114.34	114.34	115.76	0.012644	9.75	79.43	32.57	0.99	2.30	1.86
Main Channel	25	33+00.00	1 YR	166.00	109.57	111.15	111.15	111.79	0.016249	6.48	27.91	24.30	0.99	1.33	1.14
Main Channel	25	33+00.00	2 YR	225.00	109.57	111.46	111.46	112.21	0.015253	7.06	35.72	26.53	0.98	1.49	1.26
Main Channel	25	33+00.00	10 YR	343.00	109.57	112.11	112.11	112.91	0.011818	7.39	59.18	44.19	0.90	1.49	0.97
Main Channel	25	33+00.00	100 YR	672.00	109.57	112.74	113.05	114.28	0.017464	10.48	88.92	50.43	1.14	2.78	1.89

TaylorRun2025 Plan: Existing 10/9/2025

