

May 2005

HEC-RAS Plan: plan River: River Reach: Reach												
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
Reach	5998.502	2YR	133	1345.8	1347	1346.5	1346.7	0.019219	3.57	37.26	99.3	1.03
Reach	5998.502	10YR	568	1345.8	1347	1347.1	1347.6	0.013927	5.16	110.16	133	1
Reach	5998.502	50YR	993	1345.8	1348	1347.6	1348.1	0.013152	5.89	168.61	160	1.01
Reach	5998.502	100YR	1184	1345.8	1348	1347.7	1348.3	0.012734	6.18	191.72	165	1.01
Reach	5834.42	2YR	133	1344	1345	1344.4	1344.6	0.005955	2.41	55.27	926	0.6
Reach	5834.42	10YR	568	1344	1345	1345	1345.6	0.0041	3.65	155.79	1056	0.58
Reach	5834.42	50YR	993	1344	1346	1345.4	1346.2	0.004177	4.45	222.99	1122	0.61
Reach	5834.42	100YR	1184	1344	1346	1345.6	1346.5	0.004804	3.97	298	1734	0.63
Reach	5562.284	2YR	133	1342	1343	1342.6	1342.9	0.006567	2.71	49.08	374	0.64
Reach	5562.284	10YR	568	1342	1343	1343.4	1343.8	0.012072	5	113.64	773	0.94
Reach	5562.284	50YR	993	1342	1344	1343.8	1344.3	0.013091	5.89	168.72	1124	1.01
Reach	5562.284	100YR	1184	1342	1344	1344.1	1344.5	0.013338	4.81	252.67	1923	0.96
Reach	5361.112	2YR	133	1340	1342	1341.2	1341.9	0.003678	3.59	37.02	36.9	0.55
Reach	5361.112	10YR	568	1340	1343	1342.3	1342.7	0.002868	2	293.8	1463	0.44
Reach	5361.112	50YR	993	1340	1343	1342.5	1342.9	0.002924	2.48	426.69	1563	0.46
Reach	5361.112	100YR	1184	1340	1343	1342.6	1343	0.00289	2.64	479.77	1576	0.47
Reach	5002.451	2YR	133	1338	1340	1339.4	1340	0.008006	5.11	26.05	266	0.8
Reach	5002.451	10YR	568	1338	1340	1340.4	1340.6	0.016392	3.98	156.65	1145	0.99
Reach	5002.451	50YR	993	1338	1341	1340.6	1340.9	0.015026	4.79	226.54	1168	1.01
Reach	5002.451	100YR	1184	1338	1341	1340.6	1341	0.015093	5.13	251.82	1176	1.03
Reach	4785.339	2YR	133	1336	1338	1337.7	1338.4	0.007049	5.19	25.64	17.2	0.75
Reach	4785.339	10YR	568	1336	1339	1338.3	1338.7	0.004302	2.42	244	669	0.53
Reach	4785.339	50YR	993	1336	1339	1338.5	1339	0.00362	2.86	359.81	709	0.52
Reach	4785.339	100YR	1184	1336	1339	1338.6	1339.1	0.003633	3.07	399.56	723	0.53
Reach	4489.552	2YR	133	1334	1336	1335.7	1336.2	0.007598	4.66	28.53	25	0.77
Reach	4489.552	10YR	568	1334	1336	1336.4	1336.7	0.011007	3.82	154.48	494	0.85
Reach	4489.552	50YR	993	1334	1337	1336.7	1337.1	0.014269	5.14	200.26	504	1.01
Reach	4489.552	100YR	1184	1334	1337	1336.8	1337.2	0.01376	5.45	225.17	510	1.01
Reach	4231.399	2YR	133	1332	1333	1333.3	1333.9	0.011077	5.74	23.16	19.2	0.92
Reach	4231.399	10YR	568	1332	1335	1334.5	1334.8	0.005079	2.96	193.92	281	0.59
Reach	4231.399	50YR	993	1332	1335	1334.7	1335.3	0.003248	3.18	315.98	310	0.51
Reach	4231.399	100YR	1184	1332	1335	1334.8	1335.6	0.002672	3.19	375.52	323	0.48
Reach	3962.048	2YR	133	1330	1332	1331.3	1332.3	0.003132	2.64	50.34	53.5	0.48
Reach	3962.048	10YR	568	1330	1333	1332.8	1333.5	0.004884	3.75	151.53	134	0.62
Reach	3962.048	50YR	993	1330	1335	1333.4	1335	0.000671	2.24	457.83	260	0.26

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Reach	3962.048	100YR	1184	1330	1335	1333.5	1335.2	0.000686	2.41	509.9	269	0.27
Reach	3716.456	2YR	133	1330	1331	1330.8	1331.1	0.008045	3.33	39.94	61.4	0.73
Reach	3716.456	10YR	568	1330	1333	1331.7	1333	0.001037	2.14	265.81	171	0.3
Reach	3716.456	50YR	993	1330	1335	1332.2	1334.9	0.000223	1.46	682.2	257	0.15
Reach	3716.456	100YR	1184	1330	1335	1332.4	1335.1	0.000251	1.61	742.04	269	0.17
Reach	3558.526	2YR	133	1328	1329	1329.3	1329.8	0.008392	4.98	26.72	22.7	0.81
Reach	3558.526	10YR	568	1328	1333	1331	1332.9	0.000429	1.62	350.43	176	0.2
Reach	3558.526	50YR	993	1328	1335	1331.5	1334.8	0.000141	1.3	770.59	248	0.13
Reach	3558.526	100YR	1184	1328	1335	1331.7	1335.1	0.000166	1.45	827.01	257	0.14
Reach	3221.581	2YR	133	1326	1329	1327.3	1329.1	0.000804	1.57	84.72	70.8	0.25
Reach	3221.581	10YR	568	1326	1333	1329.1	1332.8	0.000065	0.84	678.29	223	0.08
Reach	3221.581	50YR	993	1326	1335	1329.8	1334.8	0.000042	0.84	1182.5	277	0.07
Reach	3221.581	100YR	1184	1326	1335	1330	1335	0.000051	0.95	1244.3	282	0.08
Reach	3060											
Reach	3031.77	2YR	133	1324	1325	1324.9	1325.3	0.008609	4.39	30.27	32	0.8
Reach	3031.77	10YR	568	1324	1327	1326.3	1327.7	0.002546	4.66	121.95	46.8	0.51
Reach	3031.77	50YR	993	1324	1328	1327.2	1328.7	0.004635	6.34	156.59	59.3	0.69
Reach	3031.77	100YR	1184	1324	1328	1327.5	1329.1	0.00638	6.8	174.12	75.9	0.79
Reach	2817.351	2YR	133	1322	1324	1323.4	1324.5	0.002205	3.27	40.72	23.6	0.44
Reach	2817.351	10YR	568	1322	1327	1325.3	1326.9	0.005822	4.25	133.69	110	0.68
Reach	2817.351	50YR	993	1322	1328	1326.9	1327.9	0.002584	3.32	299.15	196	0.47
Reach	2817.351	100YR	1184	1322	1328	1327.1	1328.1	0.002576	3.46	342.54	211	0.48
Reach	2544.496	2YR	133	1322	1324	1323	1324	0.001456	2.47	53.9	35.5	0.35
Reach	2544.496	10YR	568	1322	1327	1324.6	1326.6	0.000391	1.46	389.18	213	0.19
Reach	2544.496	50YR	993	1322	1328	1325.2	1327.6	0.000295	1.57	632.98	252	0.17
Reach	2544.496	100YR	1184	1322	1328	1325.4	1327.8	0.000339	1.73	683.84	260	0.19
Reach	2282.871	2YR	133	1322	1323	1322.8	1323.2	0.008547	3.62	36.7	52.1	0.76
Reach	2282.871	10YR	568	1322	1327	1323.8	1326.5	0.000135	1.02	558.59	238	0.12
Reach	2282.871	50YR	993	1322	1328	1324.4	1327.6	0.000129	1.21	820.55	259	0.12
Reach	2282.871	100YR	1184	1322	1328	1324.6	1327.8	0.000153	1.36	870.67	263	0.13
Reach	2069.724	2YR	133	1320	1323	1321.1	1322.8	0.000605	1.25	106.73	102	0.22
Reach	2069.724	10YR	568	1320	1327	1322.7	1326.5	0.000041	0.71	804.82	240	0.07
Reach	2069.724	50YR	993	1320	1328	1323.2	1327.6	0.000057	0.92	1075.6	274	0.08
Reach	2069.724	100YR	1184	1320	1328	1323.4	1327.8	0.000071	1.05	1128.1	280	0.09
Reach	1900											
Reach	1803.634	2YR	133	1320	1321	1320.3	1320.6	0.003258	1.78	74.83	150	0.44
Reach	1803.634	10YR	568	1320	1321	1320.8	1321.5	0.002326	2.67	212.97	180	0.43
Reach	1803.634	50YR	993	1320	1322	1321.1	1322.2	0.001971	2.82	351.82	242	0.41
Reach	1803.634	100YR	1184	1320	1322	1321.3	1322.4	0.00179	2.91	407.39	249	0.4

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Reach	1502.508	2YR	133	1318	1319	1318.7	1319.1	0.008794	3.2	41.57	57.6	0.66
Reach	1502.508	10YR	568	1318	1320	1319.6	1320.6	0.003995	3.66	156.1	104	0.51
Reach	1502.508	50YR	993	1318	1321	1320.2	1321.4	0.003705	4.11	250.18	143	0.51
Reach	1502.508	100YR	1184	1318	1321	1320.5	1321.7	0.003713	4.3	288.07	156	0.52
Reach	1259.366	2YR	133	1316	1318	1317.2	1318.2	0.001866	2.09	63.57	51.9	0.33
Reach	1259.366	10YR	568	1316	1320	1318.5	1319.8	0.002733	3.34	170.3	92	0.43
Reach	1259.366	50YR	993	1316	1320	1319.2	1320.6	0.002729	3.92	265.14	150	0.45
Reach	1259.366	100YR	1184	1316	1321	1319.5	1320.9	0.002582	4.11	307.46	153	0.45
Reach	1013.218	2YR	133	1316	1317	1316.7	1317.1	0.020441	4.56	29.2	44.8	0.99
Reach	1013.218	10YR	568	1316	1318	1317.8	1318.5	0.011301	5.92	96	63.7	0.85
Reach	1013.218	50YR	993	1316	1319	1318.5	1319.5	0.008881	6.51	152.65	73.2	0.79
Reach	1013.218	100YR	1184	1316	1319	1318.7	1319.8	0.008306	6.71	176.49	76.8	0.78
Reach	728.5601	2YR	133	1312	1314	1313.3	1313.8	0.0069	3.77	35.31	31.6	0.63
Reach	728.5601	10YR	568	1312	1315	1314.7	1315.6	0.009158	6.2	91.66	48	0.79
Reach	728.5601	50YR	993	1312	1316	1315.6	1316.7	0.01066	7.59	130.87	56.6	0.88
Reach	728.5601	100YR	1184	1312	1316	1315.8	1317.1	0.011162	8.07	146.69	59.9	0.91
Reach	500.6723	2YR	133	1310	1311	1311	1311.4	0.019319	4.86	27.37	36.5	0.99
Reach	500.6723	10YR	568	1310	1312	1312.2	1312.9	0.015849	6.91	82.21	55.6	1
Reach	500.6723	50YR	993	1310	1313	1312.9	1313.9	0.014238	7.91	125.57	63.9	0.99
Reach	500.6723	100YR	1184	1310	1313	1313.2	1314.2	0.013852	8.26	143.42	67	0.99
Reach	300			Culvert								
Reach	101.4746	2YR	133	1300	1301	1300.8	1301.5	0.002001	2.21	60.17	47.5	0.35
Reach	101.4746	10YR	568	1300	1303	1301.9	1303.5	0.002	3.51	161.91	63.7	0.39
Reach	101.4746	50YR	993	1300	1304	1302.6	1304.7	0.002001	4.11	241.37	74.6	0.4
Reach	101.4746	100YR	1184	1300	1305	1302.9	1305.2	0.002001	4.31	274.7	79.2	0.41