Hydraulic characteristics corresponding to Blackberry Creek channel at 100-year flood elevation and with floodway encroachment for Blackberry Creek Tributaries and Main Stem, Kane County, Ill.

[ft, feet; ft^3/s, cubic feet per second; W.S., water surface; ft^2, feet squared; ft/s, feet per second]

Cross-Section Number (plate 1)	Distance to Center Line (ft)	100-Year Flood Discharge (ft^3/s)	100-Year Flood Condition				Encroachment			
			W.S. Elevation (ft)	Top Width (ft)	Flow Area (ft^2)	Velocity (ft/s)	W.S. Elevation (ft)	Top Width (ft)	Flow Area (ft^2)	Velocity (ft/s)
Tributary F										
4483	1,130	30	850.28	305.55	91.88	0.33	850.3	243.73	83.70	0.36
3303	589	41	845.69	29.08	11.53	3.56	845.7	29.15	11.60	3.54
2715	610	41	845.38	443.54	1,077.20	0.04	845.38	307.43	925.55	0.04
2125	121	92	845.38	641.58	2,539.46	0.04	845.38	530.64	2,454.77	0.04
2004	100	92	845.38	930.88	3,224.79	0.03	845.38	723.56	2,815.66	0.03
1908	128	92	836.24	55.46	19.64	4.68	836.25	30.00	19.91	4.62
1680	723	99	835.29	317.61	166.54	0.59	835.29	257.32	153.78	0.64
1060	560	99	833.85	49.16	59.24	1.67	833.85	49.17	59.42	1.67
500	692	107	832.69	96.63	71.20	1.5	832.79	50.14	65.07	1.64
Tributary D										
16588	175	126	834.41	189.14	912.58	0.14	834.42	162.72	818.96	0.15
16413	75	126	834.41	787.00	298.16	0.42	834.41	503.74	298.21	0.42
16338	140	126	826.69	561.11	39.19	3.22	826.72	384.70	40.31	3.13
16293	731	129	824.38	143.95	69.87	1.85	824.36	141.58	66.86	1.93
15469	2,100	139	818.56	100.98	58.33	2.38	818.56	100.98	58.33	2.38
13309	555	161	808.81	904.90	1,359.18	0.12	808.81	784.78	1,285.84	0.13
12754	120	166	808.8	602.97	1,099.24	0.15	808.80	496.31	1,048.41	0.16
12694	56	166	808.75	588.73	100.61	1.65	808.75	396.74	100.61	1.65
12639	102	166	806.21	128.56	54.40	3.05	806.23	45.00	54.90	3.02
12537	548	189	806.04	300.29	261.37	0.72	806.05	234.45	237.77	0.79
11988	442	189	804.65	218.16	130.39	1.45	804.65	159.54	119.02	1.59
11442	586	189	802.85	118.36	83.08	2.27	802.87	67.66	75.85	2.49
10893	658	262	801.98	105.55	147.30	1.78	802.01	57.55	134.44	1.95
10225	696	354	800.08	121.33	93.51	3.79	800.09	80.57	85.13	4.16
9557	680	418	795.04	90.43	118.01	3.54	795.04	56.74	107.53	3.89
8888	409	418	793.67	243.26	287.80	1.45	793.67	174.60	262.26	1.59
8203	180	599	793.44	181.37	470.95	1.27	793.44	130.10	429.46	1.39
8165	160	599	793.37	177.33	558.79	1.07	793.37	131.97	512.18	1.17
8150	70	599	792.65	119.09	118.78	5.04	792.65	31.06	118.78	5.04
8092	120	599	790.43	69.05	129.29	4.63	790.50	22.00	130.75	4.58
8052	480	602	790.13	115.32	231.13	2.6	790.13	84.86	210.35	2.86
7518	460	602	787.71	135.98	195.37	3.08	787.72	93.52	178.18	3.38
6983	602	659	784.92	120.82	197.26	3.34	784.91	84.82	179.40	3.67
6448	495	659	779.02	88.74	134.22	4.91	779.02	76.63	132.29	4.98
5953	590	685	774.78	152.98	176.78	3.87	774.78	112.46	161.11	4.25
5345	121	761	772.23	137.08	227.72	3.34	772.26	79.71	207.42	3.67
5295	36	761	771.05	47.01	110.19	6.91	771.15	59.88	115.65	6.58
5259	150	761	770.55	28.79	92.20	8.25	770.53	28.27	91.64	8.3
5224	141	764	768.74	106.09	127.00	6.02	768.79	101.13	130.84	5.84
5028	472	764	766.65	105.41	136.73	5.59	766.66	100.10	136.53	5.6
4417	183	764	765.21	194.21	466.22	1.64	765.22	154.09	425.48	1.8
4384	70	764	764.85	176.51	316.92	2.41	764.88	165.87	319.80	2.39
4314	230	764	762.23	103.11	152.77	5	762.29	35.78	153.91	4.96
4287	340	777	760.18	51.64	87.42	8.89	760.19	21.42	80.71	9.63
3744	316	777	757.02	113.45	188.37	4.12	757.04	75.33	171.39	4.53
3201	575	867	754.43	187.54	232.03	3.74	754.47	119.11	211.06	4.11
2657	665	898	751.17	320.21	472.89	1.9	751.18	234.96	429.67	2.09
1893	875	898	748.52	566.87	583.04	1.54	748.52	428.54	532.76	1.69
1128	1,320	918	743.16	360.97	344.13	2.67	743.26	286.96	319.66	2.87

Cross-Section Number (plate 1)	Distance to Center Line (ft)	100-Year Flood Discharge (ft^3/s)	100-Year Flood Condition				Encroachment			
			W.S. Elevation (ft)	Top Width (ft)	Flow Area (ft^2)	Velocity (ft/s)	W.S. Elevation (ft)	Top Width (ft)	Flow Area (ft^2)	Velocity (ft/s)
Tributary C										
6185	94	213	750.39	398.56	544.72	0.39	750.39	334.32	509.81	0.42
6141	104	213	750.34	388.22	157.79	1.35	750.34	210.60	157.79	1.35
6067	110	213	747.14	133.19	97.77	2.18	747.17	78.32	98.39	2.16
6050	99	236	746.93	85.87	118.57	1.99	746.96	54.67	108.41	2.18
5901	150	236	746.61	135.23	150.96	1.56	746.66	95.17	138.41	1.71
5620	120	236	746.25	91.88	146.15	1.61	746.32	57.91	133.07	1.77
5530	56	236	745.94	105.47	134.73	1.75	746.04	68.68	127.62	1.85
5520	110	236	745.61	139.09	184.53	1.28	745.61	107.78	168.60	1.4
5470	94	236	744.63	108.15	71.37	3.31	744.63	101.25	71.25	3.31
5376	370	236	742.24	62.34	59.14	3.99	742.25	47.91	57.94	4.07
4866	437	247	739.73	125.24	136.4	1.81	739.74	81.62	123.83	1.99
4357	480	247	735.43	72.32	51.78	4.77	735.43	71.48	51.90	4.76
3847	570	253	731.93	203.31	231.61	1.09	731.94	151.34	212.09	1.19
3336	545	432	728.98	224.37	160.80	2.69	729	148.85	146.35	2.95
2685	745	432	727.4	1,228.57	584.93	0.74	727.37	987.63	534.30	0.81
2034	580	500	726.22	1,622.60	623.67	0.8	726.2	1,196.79	568.32	0.88
1383	744	513	723.98	240.29	194.22	2.64	723.92	199.06	176.68	2.9
731	1,400	522	721.6	432.14	441.21	1.18	721.67	269.72	404.60	1.29
24375	460	45	768.7	194.13	81.96	0.55	768.71	143.00	75.19	0.6
23954	294	45	767.11	92.11	18.18	2.47	767.11	66.70	16.12	2.79
23532	140	45	766.42	294.68	316.87	0.14	766.43	235.66	296.19	0.15
23460	73	62	766.42	548.67	1,165.48	0.05	766.43	509.94	1,157.78	0.05
23367	166	62	763.27	117.69	41.19	1.51	763.28	49.00	41.77	1.48
23202	425	80	762.44	130.97	55.81	1.43	762.46	101.76	50.97	1.57
22727	469	80	757.37	15.77	18.66	4.29	757.37	10.96	17.00	4.71
22252	464	80	750.28	19.13	21.79	3.67	750.23	14.48	19.85	4.03
21777	462	98	746.02	20.20	30.50	3.21	746.1	13.18	27.78	3.53
21301	660	98	738.78	9.23	13.98	7.01	738.74	7.01	12.71	7.71
20611	965	108	732.75	51.59	73.58	1.47	732.74	49.88	73.22	1.48
3225	114	78	734.96	382.23	620.36	0.13	734.96	269.80	554.90	0.14
3211	39	78	734.96	494.89	1,338.39	0.06	734.96	334.81	1,220.77	0.06
3172	112	78	732.25	143.98	49.95	1.56	732.25	119.96	48.44	1.61
3160	326	78	731.93	202.17	180.79	0.43	731.94	161.34	166.92	0.47
2705	413	150	731.27	155.99	116.43	1.29	731.27	108.62	106.35	1.41
2249	343	193	730.3	371.78	273.39	0.71	730.31	268.00	247.18	0.78
1794	428	193	728.24	57.69	40.51	4.76	728.21	43.05	36.87	5.23
1339	990	201	727.73	481.21	578.17	0.35	727.74	367.37	524.49	0.38
324	572	214	727.14	136.54	156.86	1.36	727.15	90.95	143.96	1.49
19881	735	322	723.52	154.57	100.38	3.21	723.5	117.94	91.22	3.53
19146	1,020	322	721.69	328.99	424.04	0.76	721.75	238.92	387.10	0.83
18126	1,478	293	721.63	700.92	1,680.54	0.17	721.7	544.46	1,645.15	0.18
16644	1,574	357	721.54	271.19	610.48	0.58	721.62	184.66	567.54	0.63
15195	1,160	879	721.38	937.25	2,350.97	0.37	721.46	735.21	2,184.72	0.4
13934	100	828	721.16	298.45	885.99	0.93	721.24	240.32	814.18	1.02
13896	46	828	721.04	345.41	703.01	1.18	721.14	305.63	716.23	1.16
13859	130	828	720.24	280.93	473.82	1.75	720.25	194.57	432.38	1.91
13812	2,021	828	720.04	176.96	492.56	1.68	720.05	121.24	450.34	1.84
11691	2,506	800	717.63	462.21	808.18	0.99	717.57	365.28	742.22	1.08
9184	1,496	713	715.86	522.16	1,136.89	0.63	715.82	385.51	1,036.37	0.69
7588	122	713	714.88	330.27	684.69	1.04	714.87	237.71	626.20	1.14
7576	46	713	714.26	144.53	147.13	4.85	714.25	17.00	146.97	4.85
7499	146	713	713.39	194.62	300.26	2.37	713.39	107.81	274.47	2.6
7453	1,490	705	713.18	171.02	405.28	1.74	713.18	114.90	367.20	1.92
5863	608	705	712.21	503.53	1,171.79	0.6	712.22	375.70	1,065.42	0.66
5256	152	749	712.13	701.07	1923.83	0.39	712.14	561.45	1791.90	0.42
5104	230	749	711.89	699.01	219.83	3.41	711.9	366.00	220.20	3.4
4652	120	749	710.75	598.89	199.77	3.75	710.77	312.00	200.17	3.74
4511	660	752	710.56	257.51	384.65	1.96	710.58	184.84	349.19	2.15

Cross-Section Number (plate 1)	Distance to Center Line (ft)	100-Year Flood Discharge (ft^3/s)	100-Year Flood Condition				Encroachment			
			W.S. Elevation (ft)	Top Width (ft)	Flow Area (ft^2)	Velocity (ft/s)	W.S. Elevation (ft)	Top Width (ft)	Flow Area (ft^2)	Velocity (ft/s)
Tributary C (cont.)										
3851	1,429	752	709.64	429.54	951.91	0.79	709.7	313.23	870.35	0.86
2422	183	755	708.92	467.48	1,449.25	0.52	708.99	362.90	1,319.34	0.57
2139	145	755	708.88	445.44	1,535.16	0.49	708.95	339.56	1,417.01	0.53
2094	95	755	708.6	191.19	219.02	3.45	708.66	28.11	220.83	3.42
1999	146	755	708.13	25.56	175.00	4.31	708.2	25.02	176.85	4.27
1903	872	756	708.05	379.59	719.20	1.05	708.13	304.40	657.61	1.15
931	1,185	758	707.7	731.16	2,142.39	0.35	707.8	599.89	2,050.56	0.37
Prestbury Tributary										
8676	1,033	93	687.64	1,191.43	3,258.52	0.03	687.66	646.61	2,653.78	0.04
7643	1,067	93	687.64	1,053.50	3,943.78	0.02	687.66	1,054.58	3,966.62	0.02
6500	1,653	93	687.64	1,151.54	4,075.64	0.02	687.66	940.01	3,935.82	0.02
4867	1,255	93	687.63	514.99	718.31	0.13	687.66	420.49	680.41	0.14
3612	200	80	687.62	212.22	440.10	0.18	687.64	159.94	410.81	0.19
3355	90	80	687.62	246.15	444.67	0.18	687.64	205.78	418.84	0.19
3318	325	80	687.61	416.10	566.59	0.14	687.64	349.52	534.01	0.15
2993	140	78	686.15	157.95	92.15	0.85	686.15	158.04	92.87	0.84
2954	360	78	686.16	279.90	902.68	0.09	686.16	240.50	877.06	0.09
2500	160	78	686.16	139.43	400.74	0.19	686.16	123.50	396.45	0.2
2345	237	78	686.16	171.84	563.35	0.14	686.16	155.00	558.32	0.14
2108	500	77	686.16	244.67	832.48	0.09	686.16	204.50	808.39	0.1
1608	338	77	686.16	1,520.26	7,094.52	0.01	686.16	1,465.04	6,571.48	0.01
1270	95	76	686.16	703.63	2,627.52	0.03	686.16	574.16	2,609.60	0.03
1175	110	76	686.16	288.29	1,587.02	0.05	686.16	288.32	1,588.31	0.05
1075	67	76	678.31	188.71	511.17	0.15	678.41	150.97	470.01	0.16
950	135	73	678.31	138.91	362.47	0.2	678.41	81.23	343.69	0.21
815	75	73	678.31	150.28	248.10	0.29	678.41	115.25	243.20	0.3
750	16	70	678.31	506.02	1,173.74	0.06	678.41	427.30	1,127.19	0.06
734	67	70	678.31	233.10	705.32	0.1	678.41	155.83	626.61	0.11
667	51	70	678.31	233.03	704.92	0.1	678.4	155.83	625.91	0.11
610	160	70	678.31	233.93	709.00	0.1	678.4	155.67	627.20	0.11
450	50	70	678.3	212.54	400.10	0.17	678.4	159.27	397.42	0.18
400	130	70	678.3	219.05	379.73	0.18	678.4	159.27	379.59	0.18
200	137	70	678.3	99.00	402.53	0.17	678.4	81.79	388.62	0.18
67	29	69	678.3	76.73	200.98	0.34	678.39	52.94	192.38	0.36
38	732	69	678.29	48.61	226.29	0.3	678.39	35.32	213.98	0.32
Lake Run										
41563	100	90	785.08	217.16	231.00	0.39	785.1	152.37	211.82	0.42
41554	60	90	785.08	417.20	609.37	0.15	785.1	294.51	555.40	0.16
41504	120	90	781.39	76.43	21.18	4.25	781.41	29.19	19.36	4.65
41484	322	90	779.96	82.50	73.67	1.22	779.95	82.41	73.55	1.22
41063	422	90	776.21	40.30	21.47	4.19	776.22	41.21	21.86	4.12
40640	18	90	772.72	401.30	206.9	0.43	772.72	311.48	193.16	0.47
40622	35	90	772.62	271.00	51.69	1.74	772.62	269.28	51.08	1.76
40595	24	90	770.78	77.30	26.67	3.37	770.78	77.56	26.93	3.34
40571	659	90	769.53	138.60	76.29	1.18	769.54	139.97	78.01	1.15
39913	659	152	767.16	60.64	74.95	2.03	767.12	58.60	72.46	2.1
39254	659	152	761.28	42.48	31.23	4.87	761.34	43.64	33.97	4.47
38594	142	152	757.67	280.87	151.79	1	757.62	229.80	138.78	1.1
38452	62	152	757.65	437.87	839.66	0.18	757.61	361.00	779.80	0.19
38393	216	152	753.9	12.60	20.52	7.41	753.91	12.61	20.57	7.39
38177	515	152	752.76	218.37	149.99	1.01	752.76	155.62	137.65	1.1
37674	200	232	749.32	117.29	57.86	4.01	749.33	117.30	59.26	3.92
37421	300	232	748.75	532.94	556.25	0.42	748.78	441.29	502.30	0.46
37168	475	368	748.25	311.35	220.34	1.67	748.27	208.00	201.66	1.82
36666	513	368	746.8	290.00	289.97	1.27	746.81	226.50	265.53	1.39

Cross-Section Number (plate 1)	Distance to Center Line (ft)	100-Year Flood Discharge (ft^3/s)	100-Year Flood Condition				Encroachment			
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Lake Run (cont.)										
36161	546	368	744.45	221.24	173.21	2.12	744.45	221.58	174.67	2.11
35614	546	384	742.53	1,011.74	668.08	0.57	742.56	780.21	606.66	0.63
35068	540	384	741.21	512.25	346.72	1.11	741.24	382.88	314.31	1.22
34521	540	384	739.5	595.24	440.26	0.87	739.52	476.96	404.09	0.95
33975	590	406	737.68	268.64	308.75	1.31	737.68	206.00	284.49	1.43
33292	590	406	734.35	56.85	111.01	3.66	734.38	57.40	112.58	3.61
32610	30	406	734.27	747.14	1,569.13	0.26	734.29	650.73	1,474.35	0.28
32580	75	406	734.27	926.03	2,857.11	0.14	734.29	810.00	2657.18	0.15
32507	104	406	732.72	580.20	959.59	0.42	732.72	469.00	874.71	0.46
32403	173	406	732.64	142.78	297.54	1.36	732.64	97.32	287.98	1.41
32230	281	406	732.6	219.38	755.75	0.54	732.6	168.90	699.01	0.58
32172	44	406	732.54	244.97	588.71	0.69	732.54	156.48	539.21	0.75
32128	60	454	732.51	240.17	518.47	0.88	732.51	179.00	484.49	0.94
32090	120	454	728.4	35.67	135.37	3.35	728.42	36.09	135.58	3.35
32040	100	454	727.92	38.38	113.21	4.01	727.94	38.65	113.97	3.98
31985	50	454	727.32	23.04	108.95	4.17	727.35	23.07	109.60	4.14
31935	18	454	727	22.69	101.61	4.47	727.04	22.67	102.41	4.43
31919	100	454	726.95	22.63	100.48	4.52	726.99	22.67	101.32	4.48
31870	210	454	725.89	47.70	87.97	5.16	725.89	26.44	80.04	5.67
31607	262	454	723.08	60.89	97.80	4.64	723.11	61.78	99.70	4.55
31345	525	454	720.64	211.92	232.60	1.95	720.66	176.11	214.75	2.11
30820	1,605	457	714.03	84.94	95.16	4.8	714.05	86.16	97.28	4.7
9324	800	60	695.08	914.31	1,061.54	0.06	695.1	916.43	1,072.16	0.06
8524	1,920	60	695.08	2,054.30	2,636.62	0.02	695.1	2,056.36	2,661.89	0.02
6204	1,300	60	695.08	1,441.80	2,213.08	0.03	695.1	1,445.11	2,226.29	0.03
4404	1,180	60	695.08	1,639.12	4,062.72	0.01	695.1	1,640.43	4,086.97	0.01
3524	80	60	695.08	862.42	1,941.33	0.03	695.1	691.93	1,864.27	0.03
3480	100	60	694.98	827.51	2,288.37	0.03	695	703.00	2,260.69	0.03
2724	1,250	60	694.98	379.59	766.01	0.08	695	381.23	772.97	0.08
1255	820	60	694.97	162.03	270.21	0.22	694.99	163.16	273.21	0.22
315	80	60	694.97	678.68	1,049.84	0.06	694.98	469.64	875.55	0.07
265	20	60	694.96	684.31	1,036.13	0.06	694.98	512.82	915.26	0.07
245	100	60	694.96	719.06	1,105.84	0.05	694.98	512.82	929.58	0.06
195	543	60	694.96	743.87	1,104.38	0.05	694.98	612.04	1,000.98	0.06
6030	105	82	708.21	134.66	79.06	1.04	708.22	99.99	71.69	1.14
5913	1,500	82	708.11	79.63	111.97	0.73	708.12	79.69	112.57	0.73
4463	445	133	708.1	153.45	801.17	0.17	708.11	153.76	802.33	0.17
3952	675	133	708.1	141.15	717.67	0.19	708.11	131.29	718.04	0.19
3220	80	167	708.06	597.64	347.42	0.48	708.07	377.00	313.26	0.53
3209	70	167	708.05	423.09	467.86	0.36	708.06	290.00	428.23	0.39
3151	100	167	707.84	272.92	549.83	0.3	707.87	194.00	506.04	0.33
3144	680	171	707.84	395.09	741.74	0.23	707.86	254.00	684.43	0.25
2414	500	182	707.68	111.92	88.77	2.05	707.71	47.00	82.43	2.21
1914	891	182	707.23	265.65	336.47	0.54	707.26	205.00	311.51	0.58
1023	531	203	706.66	231.04	214.92	0.94	706.68	137.00	197.34	1.03
492	757	212	706.52	840.33	821.16	0.26	706.54	677.00	755.10	0.28
29211	1,507	688	705.71	274.94	391.25	1.76	705.7	206.83	357.74	1.92
27704	1,338	688	701.67	429.90	498.78	1.38	701.65	326.00	456.96	1.51
26516	1,132	688	700.02	561.09	898.03	0.77	700	440.00	831.17	0.83
25329	1,027	688	697.07	25.51	100.58	6.84	697.09	25.57	101.20	6.8
24313	300	727	694.71	270.57	558.99	1.3	694.72	212.25	517.17	1.41
24013.1	115	727	693.77	62.72	180.80	4.02	693.77	62.71	180.78	4.02
23898	38	727	693.33	56.32	205.77	3.53	693.33	56.32	205.74	3.53
23860	100	727	692.99	48.07	161.26	4.51	693	48.08	161.32	4.51
23760.1	1,497	756	692.86	47.63	266.85	2.83	692.86	47.63	266.92	2.83
22263	2,567	770	689.45	39.72	170.69	4.51	689.51	42.51	173.17	4.45
19696	2,113	1,064	689.17	1,275.30	3,718.36	0.29	689.19	1,053.84	3,372.41	0.32
17583	192	1,337	688.47	571.19	850.41	1.57	688.48	369.43	780.87	1.71

Cross-Section Number (plate 1)	Distance to Center Line (ft)	100-Year Flood Discharge (ft^3/s)	100-Year Flood Condition				Encroachment			
			W.S. Elevation (ft)	Top Width (ft)	Flow Area (ft^2)	Velocity (ft/s)	W.S. Elevation (ft)	Top Width (ft)	Flow Area (ft^2)	Velocity (ft/s)
Lake Run (cont.)										
16937	90	1,337	688.27	609.80	1,149.58	1.16	688.28	480.81	1,077.20	1.24
16916	30	1,337	686.96	22.98	173.41	7.71	686.98	23.07	173.79	7.69
16886	100	1,337	686.76	23.31	172.94	7.73	686.78	23.32	173.36	7.71
16863	1,670	1,337	687.03	662.65	1,208.30	1.11	687.05	450.00	1,118.21	1.2
15488	1,061	961.05	686.78	1,203.65	3,155.22	0.31	686.78	988.46	2,813.06	0.34
14238	577	961.05	686.66	953.69	1,688.87	0.57	686.65	756.17	1,534.63	0.63
13847	1,250	961.05	686.28	55.04	302.84	3.2	686.27	54.93	302.42	3.18
12597	1,690	961.05	684.33	46.78	220.87	4.38	684.36	46.97	222.53	4.32
8815	30	202	681.74	1,078.57	293.94	0.69	681.74	359.92	271.65	0.75
8795	1,970	341	681.73	1,075.16	964.86	0.35	681.74	855.42	907.05	0.38
6845	1,580	341	681.29	499.47	598.72	0.57	681.3	380.70	548.22	0.62
5275	1,670	341	680.71	428.31	528.47	0.65	680.7	322.32	485.26	0.71
3655	1,310	341	679.21	284.54	271.83	1.26	679.25	201.25	248.57	1.38
2340	1,375	341	679.05	402.53	941.69	0.36	679.09	301.75	872.34	0.39
10888	82	991.2	684.32	969.66	3,338.25	0.3	684.32	795.38	2,998.03	0.33
10806	62	991.2	684.29	440.58	1,289.75	0.77	684.29	362.70	1,178.11	0.84
10744	235	991.2	684.12	33.29	305.42	3.25	684.12	33.29	305.45	3.25
10511	31	963.2	683.9	32.16	315.23	3.06	683.9	32.15	315.30	3.05
10480	89	963.2	683.92	81.61	441.30	2.19	683.92	81.61	441.48	2.18
10391	63	963.2	683.91	381.39	820.03	1.18	683.9	325.81	747.23	1.29
10328	28	963.2	683.92	769.06	2,298.41	0.42	683.93	611.14	2,093.37	0.46
10300	171	962.2	683.79	35.30	343.21	2.81	683.8	35.30	343.28	2.8
10129	40	962.2	683.57	35.32	390.28	2.47	683.57	35.31	390.37	2.46
10089	159	801.01	683.62	456.33	2,420.82	0.33	683.62	373.46	2,207.17	0.36
9930	975	801.01	683.52	62.82	353.46	2.27	683.52	62.83	353.62	2.27
8030	1,010	797.01	682.5	43.31	202.83	3.93	682.51	43.33	203.14	3.92
7937	924	797.01	680.8	43.36	238.00	3.35	680.82	43.42	238.82	3.34
7000	954	785.01	679.03	121.42	270.62	2.9	679.07	73.74	245.80	3.19
6026	945	1,127.25	678.92	799.63	2,853.47	0.4	678.97	598.86	2,568.64	0.44
5100	1,200	1,127.25	678.81	728.89	2,314.14	0.49	678.85	569.78	2,131.48	0.53
3868	1,048	1,033.25	677.98	46.47	241.69	4.28	678.05	46.74	244.88	4.22
2820	93	1,020.25	678.06	1,096.69	3,936.96	0.26	678.13	754.32	3,538.12	0.29
2727	38	1,020.25	677.86	471.30	516.08	1.98	677.93	319.05	468.35	2.18
2690	120	1,020.25	677.34	498.03	523.01	1.95	677.44	359.62	478.30	2.13
2570	1,119	1,017.25	677.42	1,340.06	5,032.64	0.2	677.52	990	4,568.11	0.22
1451	790	1,017.25	677.38	628.15	2,241.5	0.45	677.47	455.18	2,057.46	0.49
630	775	1,004.25	677.34	929.61	2,795.67	0.36	677.44	646.1	2,588.42	0.39
East Run										
21976	800	375	701.12	52.77	63.54	5.9	701.05	27.93	57.77	6.49
20864	93	400	701.08	227.00	630.77	0.63	701.08	163.11	579.49	0.69
20771	82	400	701.06	382.81	801.93	0.5	701.07	260.78	721.34	0.55
20689	140	400	697.51	172.03	177.07	2.26	697.55	115.44	161.38	2.48
20646	867	400	695.9	151.78	113.85	3.51	695.96	118.85	103.86	3.85
19826	150	400	695.17	301.04	874.93	0.46	695.25	186.35	795.92	0.5
19776	160	424	695.17	300.82	872.63	0.49	695.24	198.97	814.33	0.52
19636	105	424	690.64	68.58	68.66	6.18	690.73	21.00	70.36	6.03
19531	130	424	690.56	76.25	159.63	2.66	690.66	58.16	154.31	2.75
19401	100	424	690.55	162.42	497.81	0.85	690.64	115.07	455.31	0.93
19301	130	424	690.54	293.53	1,240.98	0.34	690.64	255.00	1,183.25	0.36
19171	140	429	690.53	187.84	764.68	0.56	690.63	163.88	748.30	0.57
19016	16	429	690.4	428.46	237.22	1.81	690.5	329.23	231.35	1.85
19000	140	429	689.04	106.77	54.45	7.88	689.06	107.56	54.91	7.81
18990	135	429	688.13	449.51	355.74	1.21	688.16	350.96	322.75	1.33
18890	590	425	686.03	71.34	73.96	5.75	685.98	54.03	67.30	6.32
18100	890	442	685.04	1,581.20	705.01	0.63	685.06	835.96	636.37	0.69
17210	900	442	683.98	333.09	235.88	1.87	683.96	258.64	216.04	2.05

Cross-Section Number (plate 1)	Distance to Center Line (ft)	100-Year Flood Discharge (ft^3/s)	100-Year Flood Condition				Encroachment			
			W.S. Elevation (ft)	Top Width (ft)	Flow Area (ft^2)	Velocity (ft/s)	W.S. Elevation (ft)	Top Width (ft)	Flow Area (ft^2)	Velocity (ft/s)
East Run (cont.)										
16153	180	480	683.67	486.02	1,027.74	0.47	683.64	376.39	944.11	0.51
16103	25	480	683.05	260.80	208.12	2.31	683.02	189.60	189.31	2.54
16087	120	480	683.04	403.17	371.37	1.29	683.06	310.75	339.90	1.41
16037	490	480	682.88	458.32	6,65.59	0.72	682.91	340.51	613.92	0.78
15477	882	489	682.68	497.20	1,007.92	0.49	682.73	372.43	940.83	0.52
14495	590	499	682.51	566.00	1,004.11	0.5	682.57	392.44	925.09	0.54
13991	420	499	682.48	1,052.95	2,640.20	0.19	682.54	880.40	2,504.15	0.2
13627	178	503	682.47	816.79	2,442.58	0.21	682.52	561.83	2,254.58	0.22
64754	67	17	686.32	137.61	38.18	0.45	686.34	107.80	34.84	0.49
64654	600	17	686.07	147.26	10.69	1.59	686.07	121.40	9.82	1.73
64087	314	17	684.53	204.72	80.24	0.21	684.49	186.00	72.79	0.23
63773	170	17	684.53	670.01	1,005.88	0.02	684.49	404.49	755.73	0.02
63603	20	17	684.53	685.05	899.30	0.02	684.49	399.17	683.66	0.02
63583	10	17	684.52	684.40	895.62	0.02	684.48	399.17	680.54	0.02
63573	95	18	684.52	684.40	895.62	0.02	684.48	468.96	702.13	0.03
63402	250	19	682.5	601.44	921.65	0.02	682.56	384.46	779.19	0.02
63152	417	19	682.5	660.89	1,197.11	0.02	682.56	418.74	984.00	0.02
62735	975	30	682.5	524.23	1,237.99	0.02	682.56	459.10	1,232.95	0.02
61760	628	41	682.5	542.20	741.82	0.06	682.56	309.00	570.09	0.07
61132	896	136	682.5	635.94	1,035.33	0.13	682.55	503.43	966.45	0.14
60236	412	412	682.46	55.11	183.03	0.76	682.52	39.44	168.93	0.83
13297	190	643	682.46	908.17	3,432.46	0.19	682.52	836.42	3,392.40	0.19
12900	75	643	682.46	1,082.99	3,315.03	0.19	682.52	544.51	3,337.93	0.19
12760	0	643	682.46	1,105.07	6,552.82	0.1	682.52	985.00	6,551.75	0.1
2844	350	309.42	682.46	672.47	4,424.35	0.07	682.5	549.07	4,245.81	0.07
2476	157	309.42	682.46	406.27	1,922.63	0.16	682.5	229.15	1,800.05	0.17
2319	215	309.42	682.46	496.51	3,727.54	0.08	682.5	467.43	3,708.42	0.08
2104	130	309.42	682.46	529.79	4,088.12	0.08	682.5	492.50	4,051.03	0.08
1924	98	309.42	682.46	522.25	2,516.03	0.12	682.5	374.87	2,367.99	0.13
1876	170	309.42	682.44	308.28	305.55	1.02	682.48	30.00	306.68	1.01
1726	120	309.42	680.38	138.21	480.34	0.65	680.45	78.05	436.93	0.71
1706	260	309.42	680.29	87.00	195.77	1.6	680.37	60.09	177.93	1.74
1346	133	309.42	680.31	198.13	766.59	0.41	680.38	161.32	698.23	0.44
1213	395	309.42	680.27	95.87	291.44	1.07	680.34	61.17	264.69	1.17
749	30	309.42	680.27	425.89	1,308.32	0.24	680.34	326.64	1,245.37	0.25
719	210	309.42	680.27	122.54	624.53	0.5	680.34	91.97	586.12	0.53
510	145	430.42	677.38	121.87	375.76	1.15	677.41	51.00	344.63	1.25
365	484	430.42	677.36	272.83	500.50	0.87	677.39	209.54	462.31	0.93
12518	80	334.58	682.46	1,062.63	7,214.42	0.05	682.52	991.81	7,218.51	0.05
12438	190	334.58	682.46	465.14	832.15	0.4	682.51	351.61	780.00	0.43
12203	120	334.58	681.46	365.61	1,703.61	0.19	681.55	266.20	1,525.7	0.22
12041	140	334.58	681.46	416.43	1,336.47	0.25	681.55	310.39	1,253.39	0.27
11861	120	334.58	681.46	458.89	1,729.49	0.19	681.55	334.62	1,551.71	0.22
11781	300	334.58	681.46	737.23	3,747.36	0.09	681.55	598.65	3,572.10	0.09
11474	110	372.58	681.46	780.94	4,645.02	0.08	681.54	530.46	4,327.32	0.09
11360	105	372.58	681.46	743.47	2,950.71	0.13	681.54	607.51	2,727.91	0.14
11239	104	372.58	681.46	466.97	2,007.59	0.18	681.54	393.77	1,871.96	0.2
11135	335	372.58	681.45	189.26	706.03	0.52	681.54	95.00	714.27	0.52
10793	100	379.58	677.37	624.84	1,178.85	0.32	677.4	503.23	1,075.12	0.35
10693	383	479.58	677.36	695.94	1,410.87	0.34	677.39	510.84	1,282.16	0.37
10259	600	909	675.95	699.72	1,355.26	0.67	675.96	496.32	1,242.20	0.73
9684	120	909	675.88	468.88	978.78	0.93	675.89	367.52	890.96	1.02
9634	160	903	675.87	594.58	1,414.84	0.64	675.88	440.02	1,286.46	0.7
9450	70	903	675.85	588.37	1,400.87	0.64	675.84	446.61	1,288.16	0.7
9400	800	900	675.79	639.19	1,132.94	0.79	675.78	514.73	1,049.86	0.86
8700	500	798	675.18	554.44	1,359.57	0.59	675.16	449.04	1,249.38	0.64
8078	580	779	675.05	634.35	1,951.29	0.4	675.02	496.50	1,765.94	0.44
7498	560	777	674.86	585.83	1,314.42	0.59	674.83	444.61	1,212.70	0.64

Cross-Section Number (plate 1)	Distance to Center Line (ft)	100-Year Flood Discharge (ft^3/s)	100-Year Flood Condition				Encroachment			
			W.S. Elevation (ft)	Top Width (ft)	Flow Area (ft^2)	Velocity (ft/s)	W.S. Elevation (ft)	Top Width (ft)	Flow Area (ft^2)	Velocity (ft/s)
East Run (cont.)										
7030	625	775	674.72	979.57	2,205.45	0.35	674.7	749.91	2,029.68	0.38
6400	560	771	674.53	1,042.01	1,696.95	0.45	674.52	804.93	1,561.04	0.49
5810	68	763	674.39	622.52	1,641.34	0.46	674.38	435.92	1,515.22	0.5
5742	181	763	674.38	574.18	1,900.92	0.4	674.37	398.90	1,753.38	0.44
5573	210	762	673.98	441.08	173.97	4.38	673.97	255.76	173.36	4.4
5346	110	746	674.11	489.89	351.84	2.12	674.13	249.08	352.55	2.12
5252	1,000	746	674.15	526.39	4,205.98	0.18	674.16	445.54	3,979.12	0.19
3643	470	746	674.15	396.54	2,706.23	0.28	674.16	307.32	2,548.82	0.29
3300	85	708	674.15	433.02	3,318.73	0.21	674.16	358.85	3,136.21	0.23
3250	80	694	674.14	610.97	2,273.35	0.31	674.16	495.94	2,119.92	0.33
3150	130	694	674.14	642.66	2,897.02	0.24	674.16	425.55	2,650.85	0.26
3050	410	694	674.14	559.22	4,190.65	0.17	674.16	425.00	3,773.80	0.18
2955	125	694	674.14	507.41	3,856.60	0.18	674.16	420.50	3,699.76	0.19
2865	90	685	674.13	149.20	940.56	0.73	674.14	110.80	858.05	0.8
2775	460	685	674.14	383.94	3,055.27	0.22	674.15	315.50	2,887.40	0.24
2315	605	685	674.14	420.67	3,238.70	0.21	674.15	314.34	2,987.03	0.23
1710	556	676	674.14	675.69	5,255.41	0.13	674.15	512.28	4,981.84	0.14
1115	130	676	674.14	788.99	6,738.32	0.1	674.15	690.78	6,424.03	0.11
1000	370	676	674.14	823.19	6,478.59	0.1	674.15	645.00	6,002.48	0.11
615	22	663	674.11	107.60	686.64	0.97	674.13	78.86	631.76	1.05
593	100	663	674.12	580.51	1,872.64	0.35	674.14	476.00	1,766.36	0.38
514	60	663	674.12	668.97	2,943.57	0.23	674.13	469.76	2,627.58	0.25
464	30	663	674.12	704.95	2,885.50	0.23	674.13	492.58	2,603.41	0.25
430	200	663	674.12	422.83	2,824.24	0.23	674.13	389.74	2,653.49	0.25
251	90	663	674.11	577.90	3,403.14	0.19	674.12	492.00	3,069.08	0.22
90	80	663	674.11	562.40	2,995.97	0.22	674.12	479.00	2,792.16	0.24
80	123	663	674.11	394.50	2,637.76	0.25	674.12	334.92	2,459.73	0.27
Main Stem										
185062	515	294	847.74	301.07	124.35	2.36	847.74	263.69	123.07	2.39
184447	560	340	847.58	574.89	857.85	0.4	847.58	407.45	794.51	0.43
183832	145	351	847.56	902.37	2,322.79	0.15	847.56	637.40	2,201.16	0.16
183727	115	351	847.48	861.19	165.50	2.12	847.48	729.71	165.45	2.12
183640	90	361	843.47	311.22	624.60	0.58	843.47	241.15	573.47	0.63
183554	135	361	843.4	221.47	343.92	1.05	843.39	169.20	313.55	1.15
183366	96	361	843.31	191.90	396.55	0.91	843.32	124.84	360.76	1
183330	70	361	843.3	250.41	536.71	0.67	843.3	231.73	534.09	0.68
183260	120	361	840.43	168.46	49.18	7.34	840.44	129.82	49.24	7.33
183223	208	361	840.49	176.94	227.00	1.59	840.49	123.82	207.93	1.74
182903	320	361	839.85	116.15	153.85	2.35	839.86	79.61	139.83	2.58
182582	641	361	836.42	97.20	77.76	4.64	836.41	70.41	71.29	5.06
181941	633	376	831.61	249.78	292.76	1.28	831.62	194.49	267.67	1.4
181315	1,412	483	829.24	506.85	273.36	1.77	829.25	305.27	249.43	1.94
179903	964	550	823.71	274.76	388.42	1.42	823.7	208.54	353.18	1.56
178939	482	565	820.31	113.56	201.14	2.81	820.31	109.63	201.03	2.81
178457	482	578	818.57	156.51	243.65	2.37	818.59	94.21	222.17	2.6
177974	1,030	578	814.53	161.88	117.19	4.93	814.53	161.63	116.87	4.95
177101	120	582	813.49	829.31	1,604.93	0.36	813.5	632.29	1,489.71	0.39
176886	65	582	813.48	1,039.19	2,499.62	0.23	813.49	877.91	2,337.14	0.25
176833	120	582	813.48	892.24	2,988.76	0.19	813.48	780.90	2,859.55	0.2
176749	218	582	813.47	798.65	2,609.63	0.22	813.48	632.46	2,395.47	0.24
176176	140	674	813.44	636.56	1,071.94	0.63	813.44	507.71	982.16	0.69
176156	86	674	813.26	83.84	304.03	2.22	813.26	64.00	303.92	2.22
176100	120	674	810.95	70.89	128.83	5.23	810.95	52.80	129.07	5.22
176054	1,000	674	810.91	197.83	435.05	1.55	810.91	148.52	396.30	1.7
175408	707	677	810.65	266.02	1,063.31	0.64	810.64	203.26	969.62	0.7
174671	62	702	810.61	469.64	1,940.46	0.36	810.61	349.65	1,787.00	0.39
174633	130	702	804.76	393.44	90.93	7.72	804.76	45.00	91.01	7.71

Cross-Section Number (plate 1)	Distance to Center Line (ft)	100-Year Flood Discharge (ft^3/s)	100-Year Flood Condition				Encroachment			
			W.S. Elevation (ft)	Top Width (ft)	Flow Area (ft^2)	Velocity (ft/s)	W.S. Elevation (ft)	Top Width (ft)	Flow Area (ft^2)	Velocity (ft/s)
Main Stem (cont.)										
174324	475	703	803.68	357.88	496.49	1.42	803.7	263.59	451.67	1.56
174013	550	703	801.79	216.30	276.44	2.54	801.8	166.20	251.62	2.79
173409	660	703	799.84	333.75	396.11	1.77	799.86	230.99	362.23	1.94
172804	1,210	709	795.46	181.16	129.88	5.46	795.46	176.62	128.36	5.52
171593	342	710	795.25	975.13	3,118.28	0.23	795.25	788.90	2,797.4	0.25
171139	130	710	795.2	639.08	962.95	0.74	795.21	420.67	872.94	0.81
171121	41	710	794.83	23.48	177.12	4.01	794.84	23.48	177.26	4.01
171092	120	710	794.36	21.96	122.89	5.78	794.37	21.96	123.06	5.77
171051	1,210	738	793.69	263.63	268.03	2.75	793.69	186.20	244.24	3.02
169505	725	738	787.35	304.69	435.62	1.69	787.36	239.11	399.26	1.85
168732	744	744	784.73	177.67	311.84	2.39	784.75	114.28	283.70	2.62
167958	707	749	781.93	202.61	283.36	2.64	781.94	144.15	258.11	2.9
167224	724	749	779.49	223.65	356.58	2.1	779.54	145.24	325.05	2.3
166488	1,417	767	776.14	88.77	173.17	4.43	776.22	60.76	157.61	4.87
165016	1,095	767	771.21	288.04	478.34	1.6	771.23	215.80	435.34	1.76
163921	121	772	768.25	193.77	303.64	2.54	768.28	120.47	276.66	2.79
163800	440	772	768.13	224.48	446.90	1.73	768.15	161.76	406.35	1.9
163400	1,016	772	767.53	250.95	483.18	1.6	767.55	176.91	439.49	1.76
162840	160	772	764.06	54.25	135.86	5.68	764.06	54.24	135.84	5.68
162060	60	772	764.06	272.20	726.70	1.06	764.06	272.18	726.55	1.06
162015	125	750	760.63	81.26	64.84	11.57	760.63	81.12	64.71	11.59
161875	824	750	761.3	684.11	987.79	0.76	761.33	518.57	902.57	0.83
161051	317	720	760.55	512.27	1,004.07	0.72	760.57	411.48	915.75	0.79
160674	133	720	760.17	413.20	717.23	1	760.18	323.65	656.13	1.1
160582	45	720	759.86	301.29	447.64	1.61	759.86	245.49	407.63	1.77
160563	139	720	759.65	273.67	302.18	2.38	759.67	220.57	275.69	2.61
160474	166	720	759.65	441.47	877.64	0.82	759.67	357.53	797.80	0.9
160258	320	720	759.57	690.69	1,043.04	0.69	759.59	565.96	989.99	0.73
159917	342	720	758.89	54.94	167.99	4.29	758.89	54.94	168.02	4.29
159574	685	720	757.58	433.80	244.55	2.94	757.59	153.74	246.04	2.93
158888	605	710	756.02	439.07	717.06	0.99	756.04	340.55	659.79	1.08
158267	574	702	754.59	453.86	408.89	1.72	754.57	373.44	370.51	1.89
157645	544	682	753.62	429.15	540.27	1.26	753.62	247.40	511.18	1.33
157024	758	682	752.23	297.42	216.75	3.15	752.25	184.30	197.05	3.46
156401	780	666	751	674.35	1,134.93	0.59	751.01	538.27	1,037.92	0.64
155608	874	666	750.28	768.63	855.67	0.78	750.29	584.21	787.64	0.85
154818	821	666	749.42	697.54	896.99	0.74	749.43	539.15	822.62	0.81
154029	705	666	747.4	512.08	298.77	2.23	747.41	315.62	271.91	2.45
153238	930	659	746.45	827.89	1,282.26	0.51	746.48	645.70	1,176.57	0.56
152194	80	637	745.41	369.00	623.42	1.02	745.46	267.57	566.87	1.12
152115	100	637	745.21	231.61	327.81	1.94	745.26	155.58	299.34	2.13
152101	43	637	744.94	71.50	230.57	2.76	744.98	56.23	213.46	2.98
152059	90	637	744.77	66.72	209.27	3.04	744.79	50.58	190.90	3.34
152039	59	637	744.67	434.45	653.77	0.97	744.7	337.43	601.48	1.06
151980	590	638	744.63	462.7	776.25	0.82	744.66	363	705.79	0.9
151313	322	638	743.71	389.23	455	1.4	743.74	295.51	414.77	1.54
150979	352	638	742.75	1,321.35	589.27	1.08	742.77	698.12	540.51	1.18
150644	938	644	742.34	1,082.78	1,313.1	0.49	742.35	890.66	1,214.03	0.53
149689	980	648	740.57	479.89	206.59	3.14	740.57	463.76	206.16	3.14
148732	1,065	651	739.91	676.66	953.96	0.68	739.94	450.93	876.85	0.74
147668	900	1,569	739.05	393.33	969.82	1.62	739.1	299.87	881.28	1.78
146754	435	1,569	738.27	594.33	1,504.5	1.04	738.32	453.33	1,375.69	1.14
146300	1,590	1,522	737.68	485.7	927.36	1.64	737.73	365.96	846.73	1.8
144678	100	1,488	735.97	272.89	970.48	1.53	735.98	189.59	884.27	1.68
144639	28	1,488	735.65	161.27	354.77	4.19	735.67	38.91	355.57	4.18
144611	124	1,488	735.32	167.56	392.33	3.79	735.34	82.98	357.59	4.16
144577	41	1,488	735.32	294.33	828.59	1.8	735.33	207.90	750.88	1.98
144546	570	1,472	735.14	289.33	593.64	2.48	735.14	220.91	541.39	2.72

Cross-Section Number (plate 1)	Distance to Center Line (ft)	100-Year Flood Discharge (ft^3/s)	100-Year Flood Condition				Encroachment			
			W.S. Elevation (ft)	Top Width (ft)	Flow Area (ft^2)	Velocity (ft/s)	W.S. Elevation (ft)	Top Width (ft)	Flow Area (ft^2)	Velocity (ft/s)
Main Stem (cont.)										
143980	810	1,469	734.25	467.36	948.98	1.55	734.24	327.05	863.11	1.7
143160	800	1,469	733.28	393.17	964.24	1.52	733.28	268.31	879.41	1.67
142360	900	1,395	732	291.46	761.05	1.83	732.02	213.57	694.66	2.01
140600	950	1,383	730.74	442.20	972.19	1.42	730.77	309.89	887.74	1.56
140504	760	1,377	729.52	267.93	872.50	1.58	729.59	197.80	796.31	1.73
139658	130	1,374	729.11	404.41	1,467.70	0.94	729.2	273.70	1,329.55	1.03
139620	84	1,374	728.99	337.11	971.16	1.41	729.09	257.68	949.97	1.45
139536	110	1,374	728.52	492.13	1,144.16	1.2	728.55	348.48	1,041.77	1.32
139478	71	1,374	728.46	237.44	776.29	1.77	728.49	160.91	709.43	1.94
139355	38	1,374	728.42	302.82	1,098.40	1.25	728.45	224.84	1,004.34	1.37
139297	43	1,374	728.42	503.79	1,810.51	0.76	728.45	347.91	1,598.44	0.86
139254	46	1,374	728.21	315.46	392.75	3.5	728.24	36.72	393.74	3.49
139208	100	1,374	727.72	303.14	519.48	2.64	727.75	187.37	473.59	2.9
139158	690	1,387	727.69	255.24	845.11	1.64	727.71	186.28	770.89	1.8
138418	700	1,387	726.63	440.78	566.13	2.45	726.63	349.56	516.23	2.69
137750	930	1,409	724.41	188.54	487.13	2.89	724.42	175.08	485.06	2.9
136804	1,040	1,416	722.79	518.37	1,185.96	1.19	722.82	409.35	1,088.70	1.3
135980	895	1,461	721.05	469.25	770.65	1.9	721.08	340.05	699.97	2.09
135080	1,590	1,464	719.47	454.14	850.09	1.72	719.51	333.30	775.25	1.89
133246	1,150	1,541	717.47	614.8	1,190.55	1.29	717.52	444.56	1,090.70	1.41
133240	915	1,541	716.08	484.77	919.15	1.68	716.13	351.96	836.15	1.84
131179	110	1,541	714.73	344.18	732.86	2.1	714.81	215.61	668.19	2.31
131084	34	1,526	714.54	43.31	401.88	3.8	714.59	42.90	403.90	3.78
131047	54	1,526	714.38	42.77	377.95	4.04	714.43	42.42	379.80	4.02
130993	29	1,526	714.37	131.06	593.53	2.57	714.39	101.07	541.31	2.82
130964	67	1,526	714.27	64.57	406.38	3.76	714.31	64.73	408.74	3.73
130897	67	1,526	713.63	61.20	373.58	4.08	713.67	61.38	376.22	4.06
130835	50	1,526	713.22	59.75	353.14	4.32	713.27	59.95	355.99	4.29
130785	31	1,519	713.11	62.03	354.23	4.29	713.16	62.22	357.38	4.25
130755	70	1,519	713.04	60.81	354.45	4.29	713.1	61.04	357.65	4.25
130707	130	1,519	712.87	69.83	392.43	3.87	712.92	70.13	396.47	3.83
130426	286	1,496	712.71	297.19	690.54	2.17	712.77	204.49	629.28	2.38
130300	1,052	1,496	711.74	205.64	426.23	3.51	711.8	165.75	387.84	3.86
129248	840	1,493	711.01	960.32	2,369.06	0.63	711.04	763.22	2,151.03	0.69
128488	880	1,488	710.42	947.26	1,421.09	1.05	710.43	749.53	1,293.79	1.15
127648	460	1,484	709.59	873.49	1,621.48	0.92	709.6	643.83	1,470.22	1.01
127005	121	1,480	709.39	968.75	2,563.94	0.58	709.4	761.92	2,343.96	0.63
126934	62	1,480	709.04	809.61	385.08	3.84	709.04	618.90	385.40	3.84
126892	147	1,480	708.5	766.47	1,013.95	1.46	708.49	588.30	927.45	1.6
126745	311	1,480	708.43	838.99	1,871.56	0.79	708.42	664.79	1,718.13	0.86
126434	630	1,480	708.35	888.95	2,285.53	0.65	708.33	745.30	2,098.80	0.71
125657	1,330	1,475	708.06	1,080.56	1,968.83	0.75	708.03	938.26	1,900.62	0.78
124473	180	2,233	707.08	1,674.67	3,248.22	0.69	707.07	1,103.42	2,808.98	0.79
124306	53	2,233	706.87	1,856.73	4,965.16	0.45	706.85	1,608.04	4,550.73	0.49
124253	225	2,233	706.51	904.96	2,721.64	0.82	706.51	692.75	2,493.35	0.9
124028	161	2,223	706.19	636.87	1,725.65	1.29	706.18	481.62	1,577.46	1.41
123849	910	2,223	705.98	769.76	1,912.83	1.16	705.98	538.76	1,756.15	1.27
122850	1,365	2,210	704.17	518.47	941.96	2.35	704.16	368.89	856.17	2.58
121556	992	2,206	703.03	1,003.83	3,231.84	0.68	703.05	794.46	2,993.33	0.74
120564	127	2,133	702.57	746.25	2,643.51	0.81	702.59	585.64	2,395.88	0.89
120437	145	2,133	702.39	1,043.45	895.52	2.38	702.41	108.00	897.38	2.38
120302	369	2,133	702.13	886.13	693.56	3.08	702.15	125.00	696.02	3.06
119920	681	2,124	702	1,175.38	3,922.02	0.54	702.01	989.45	3,602.94	0.59
119239	970	2,124	701.77	883.01	3,364.03	0.63	701.77	692.52	3,074.78	0.69
118239	950	2,114	701.29	663.79	1,903.36	1.11	701.29	503.88	1,739.59	1.22
117239	970	2,021	700.15	658.5	1,748.50	1.16	700.1	539.95	1,587.85	1.27
116290	993	2,015	698.08	415.31	1,023.98	1.97	698.02	287.12	931.38	2.16
115260	1,917	2,015	696.25	674.21	1,901.00	1.06	696.22	538.21	1,737.56	1.16

Cross-Section Number (plate 1)	Distance to Center Line (ft)	100-Year Flood Discharge (ft^3/s)	100-Year Flood Condition				Encroachment			
			W.S. Elevation (ft)	Top Width (ft)	Flow Area (ft^2)	Velocity (ft/s)	W.S. Elevation (ft)	Top Width (ft)	Flow Area (ft^2)	Velocity (ft/s)
Main Stem (cont.)										
113343	1,190	2,015	694.52	613.87	2,294.64	0.88	694.53	467.24	2,105.74	0.96
112228	670	2,015	693.82	684.64	1,808.86	1.11	693.86	498.78	1,655.88	1.22
111448	1,120	2,015	692.99	536	1,438.68	1.4	693.05	379.66	1,305.92	1.54
110340	1,823	2,016	692.04	717.73	2,397.10	0.84	692.1	546.26	2,197.89	0.92
108555	123	2,016	690.88	555.02	1,947.89	1.03	690.95	411.89	1,790.32	1.13
108432	55	2,016	690.57	376.29	632.47	3.19	690.65	95.00	639.91	3.15
108377	192	2,016	690.38	316.08	1,198.06	1.68	690.46	214.99	1,093.03	1.84
108155	176	2,013	690.15	465.06	1,573.49	1.28	690.23	350.56	1,439.44	1.4
107979	1,260	2,013	689.51	179.75	712.62	2.82	689.55	143.41	649.31	3.1
106731	1,191	2,012	688.93	1,410.71	4,793.69	0.42	688.97	1,108.76	4,331.79	0.46
105540	238	1,989	688.62	529.61	2,074.80	0.96	688.66	400.40	1,900.21	1.05
105302	65	1,989	688.48	648.56	2,610.72	0.76	688.51	553.10	2,398.10	0.83
105237	75	1,989	688.44	725.14	3,060.45	0.65	688.47	579.80	2,789.36	0.71
105162	129	1,989	688.42	615.74	2,831.14	0.7	688.44	526.93	2,590.19	0.77
105033	402	1,989	688.38	615.69	2,819.11	0.71	688.4	528.33	2,561.22	0.78
104631	133	1,989	688.27	565.71	2,738.90	0.73	688.28	481.53	2,495.49	0.8
104498	94	1,986	687.98	594.59	582.34	3.41	687.97	89.50	581.91	3.41
104404	204	1,986	686.97	470.07	557.08	3.57	686.98	281.44	546.04	3.64
104200	857	1,985	686.62	579.93	1,827.65	1.09	686.65	460.30	1,673.86	1.19
103343	1,855	1,983	685.89	923.89	2,406.62	0.82	685.94	679.65	2,195.35	0.9
101678	1,473	1,981	684.2	828.97	2,015.17	0.98	684.3	597.09	1,844.55	1.07
100016	853	1,974	680.51	118.53	372.26	5.3	680.51	51.63	346.54	5.7
99162	970	1,961	679.37	1,429.34	3,154.12	0.62	679.4	1,090.78	2,871.66	0.68
98184	1,083	1,960	678.65	1,220.18	2,826.29	0.69	678.68	1,041.82	2,612.27	0.75
97184	660	2,025	678.07	1,047.18	2,623.45	0.77	678.09	819.61	2,415.45	0.84
96444	575	2,025	677.9	1,547.53	4,516.20	0.45	677.91	1,334.98	4,157.14	0.49
95875	45	2,019	677.79	2,670.89	4,790.41	0.42	677.84	2,169.63	7,608.85	0.27
95833	100	2,019	677.78	2,634.57	5,184.19	0.39	677.84	2,461.03	9,040.13	0.22
95749	167	2,017	677.77	2,809.51	8,895.55	0.23	677.83	2,299.19	8,188.93	0.25
95550	410	2,017	677.76	2,230.45	6,633.67	0.3	677.82	1,912.24	6,197.65	0.33
95140	37	2,017	677.53	89.91	681.37	2.96	677.58	86.60	686.25	2.94
95104	13	2,017	677.5	89.74	674.96	2.99	677.56	87.00	679.92	2.97
95091	15	2,017	677.49	86.78	680.80	2.96	677.51	75.58	620.72	3.25
95076	37	2,017	677.49	89.82	678.01	2.97	677.5	77.68	618.19	3.26
95039	250	2,017	677.41	89.88	617.46	3.27	677.42	79.72	561.88	3.59
94771	1,620	2,001	677.34	1,120.94	3,443.93	0.58	677.34	969.40	3,156.21	0.63
93163	1,441	3,021	677.11	550.76	2,899.28	1.04	677.1	433.46	2,646.42	1.14
91722	196	2,946	676.64	826.40	3,756.96	0.78	676.66	567.94	3,457.76	0.85
91526	70	2,946	676.56	784.61	2,801.89	1.05	676.59	506.81	2,568.00	1.15
91458	242	2,946	676.08	708.09	3,368.91	0.87	676.12	511.55	3,104.21	0.95
91216	240	2,921	676	699.16	3,483.70	0.84	676.05	526.76	3,189.38	0.92
90959	1,114	2,921	675.92	825.58	4,002.13	0.73	675.97	631.93	3,630.31	0.8
89857	890	2,886	675.56	709.19	2,979.90	0.97	675.6	544.35	2,726.46	1.06
88957	1,280	2,848	675.28	1,008.23	4,187.70	0.68	675.34	728.17	3,844.23	0.74
87655	820	2,848	675.01	954.10	4,618.50	0.62	675.1	670.20	4,203.54	0.68
86861	310	2,772	674.8	636.26	3,358.31	0.83	674.9	482.02	3,069.43	0.9
86541	200	2,772	674.74	668.00	3,929.28	0.71	674.84	622.78	3,838.12	0.72
86326	200	2,772	674.58	609.56	1,356.31	2.04	674.67	579.51	1,284.34	2.16
86107	130	2,772	674.36	723.58	1,193.97	2.32	674.42	683.81	1,085.87	2.55
86007	195	2,772	674.38	942.66	3,250.39	0.85	674.46	736.12	2,984.55	0.93
85799	680	2,772	674.3	751.70	2,374.11	1.17	674.37	657.06	2,173.96	1.28
85087	190	2,763	674.14	751.70	2,816.76	0.98	674.19	673.28	2,578.47	1.07
84924	17	2,965	673.99	283.42	1,568.72	1.89	674.04	215.94	1,435.54	2.07
84807	110	2,965	674.03	843.36	2,654.31	1.12	674.08	637.52	2,412.21	1.23
84794	56	2,965	673.93	1,022.11	1,203.92	2.46	673.98	130.81	1,210.90	2.45
84746	150	2,965	673.43	796.11	1,999.72	1.48	673.49	568.40	1,833.20	1.62
84732	107	2,965	673.44	1,610.06	6,562.91	0.45	673.49	1,381.34	6,112.78	0.49
84624	615	2,965	673.4	961.09	3,425.71	0.87	673.45	761.91	3,119.45	0.95

Cross-Section Number (plate 1)	Distance to Center Line (ft)	100-Year Flood Discharge (ft^3/s)	100-Year Flood Condition				Encroachment			
			W.S. Elevation (ft)	Top Width (ft)	Flow Area (ft^2)	Velocity (ft/s)	W.S. Elevation (ft)	Top Width (ft)	Flow Area (ft^2)	Velocity (ft/s)
Main Stem (cont.)										
84010	870	2,965	673.01	643.77	2,510.65	1.18	673.05	490.03	2,305.29	1.29
83091	705	2,956	672.42	956.10	2,769.83	1.07	672.46	719.01	2,530.74	1.17
82307	71	2,956	671.62	708.10	1,660.84	1.78	671.7	430.59	1,516.74	1.95
82239	57	2,956	671.62	1,074.33	2,660.39	1.11	671.7	685.15	2,426.28	1.22
82182	188	2,956	671.57	1,037.68	4,964.31	0.6	671.65	782.13	4,474.47	0.66
81994	260	2,955	671.48	639.42	2,712.31	1.09	671.57	454.89	2,478.17	1.19
81718	186	2,955	671.29	431.90	2,357.18	1.25	671.38	327.35	2,174.15	1.36
81526	48	2,955	671.22	526.56	2,989.82	0.99	671.32	417.39	2,755.53	1.07
81487	25	2,955	671.2	581.87	3,120.14	0.95	671.3	439.28	2,831.74	1.04
81457	131	2,955	671.19	599.66	3,224.86	0.92	671.29	457.25	2,928.12	1.01
81334	140	2,955	671.14	612.29	3,596.60	0.82	671.24	475.31	3,294.38	0.9
81186	800	2,955	671.1	586.83	3,360.93	0.88	671.19	457.76	3,084.23	0.96
80390	860	2,955	670.83	636.00	3,256.64	0.91	670.93	473.23	2,956.53	1
79500	160	2,952	670.69	1,131.81	5,877.46	0.5	670.78	894.54	5,390.90	0.55
79340	78	2,952	670.51	1,072.11	1,000.26	2.95	670.6	591.43	1,011.21	2.92
79262	85	2,952	670.02	727.96	3,662.98	0.81	670.11	591.43	3,402.03	0.87
79184	92	2,952	669.97	690.23	2,621.54	1.13	670.06	522.66	2,383.39	1.24
79092	595	2,952	669.93	525.08	2,263.75	1.3	670.02	358.06	2,069.15	1.43
78512	155	2,952	669.29	310.60	1,081.04	2.73	669.37	211.04	985.14	3
78357	65	2,952	668.96	863.77	885.52	3.33	669.01	109.04	848.41	3.48
78303	175	2,952	668.74	746.75	2,744.82	1.08	668.78	593.59	2,500.01	1.18
78127	720	2,944	668.63	700.32	2,500.86	1.18	668.66	558.70	2,289.13	1.29
77407	1,020	2,944	668.04	710.46	2,576.72	1.14	668.06	542.46	2,352.18	1.25
76383	570	2,925	667.33	800.34	2,748.34	1.06	667.35	604.86	2,517.64	1.16
75795	1,566	2,914	666.98	655.94	2,917.87	1	667	476.93	2,641.35	1.1
74229	765	2,911	666.1	797.51	2,998.76	0.97	666.14	621.02	2,751.35	1.06
73559	840	2,862	665.9	2,535.80	5,066.38	0.56	665.9	2,271.48	4,716.14	0.61
72597	130	3,066	665.84	788.56	2,524.37	1.21	665.84	656.86	2,303.59	1.33
72528	75	3,066	665.63	743.59	930.19	3.3	665.64	138.00	930.87	3.29
72427	234	3,066	665.16	718.61	3,277.63	0.94	665.17	572.42	2,968.38	1.03
72193	45	3,066	665.06	763.97	3,541.02	0.87	665.06	623.86	3,233.04	0.95
72148	285	3,062	665.01	733.18	2,962.44	1.03	665.01	581.91	2,706.49	1.13
71920	1,455	3,062	664.83	2,128.68	2,825.04	1.08	664.82	1,639.09	2,595.82	1.18
70440	182	3,062	663.93	1,924.72	2,559.69	1.2	663.9	1,483.19	2,324.38	1.32
70258	960	3,040	663.86	712.81	3,308.39	0.92	663.83	587.76	2,995.09	1.01
69283	1,150	3,040	663.63	1,047.81	3,781.28	0.8	663.59	736.67	3,448.84	0.88
68142	1,642	2,979	663.23	569.00	2,489.53	1.2	663.21	383.45	2,259.73	1.32
66500	1,207	2,979	661.83	524.47	1,738.44	1.71	661.84	390.29	1,584.75	1.88
65293	1,850	2,964	661.15	926.32	3,519.24	0.84	661.12	770.99	3,225.69	0.92
63442	452	2,919	660.51	538.32	2,894.56	1.01	660.44	422.42	2,632.86	1.11
62990	223	2,919	660.35	593.83	2,596.20	1.12	660.27	438.33	2,366.33	1.23
62767	27	2,909	660.18	527.33	2,010.96	1.45	660.09	424.57	1,830.93	1.59
62740	60	2,909	659.97	87.76	779.29	3.73	659.89	87.71	771.46	3.77
62681	33	2,909	659.81	87.83	741.73	3.92	659.72	87.78	733.51	3.97
62638	75	2,909	659.88	679.53	2,795.59	1.04	659.79	503.32	2,549.57	1.14
62563	145	2,908	659.85	663.82	2,954.45	0.98	659.76	502.17	2,710.18	1.07
62421	2,973	2,908	659.76	610.57	2,547.54	1.14	659.67	457.12	2,334.14	1.25
60998	1,343	2,908	658.49	725.86	2,935.80	0.99	658.4	570.10	2,685.75	1.08
59575	2,000	2,900	658.11	911.93	4,290.89	0.68	658	760.54	3,922.79	0.74
58600	1,182	2,898	657.53	646.11	2,580.00	1.12	657.37	538.49	2,353.44	1.23
57625	2,424	2,868	656.99	1,263.51	3,849.66	0.75	656.85	824.72	3,474.18	0.83
55241	3,060	2,861	655.73	808.80	2,793.49	1.02	655.7	581.84	2,555.91	1.12
52181	3,800	2,859	654.26	1,008.05	3,148.57	0.91	654.28	788.99	2,866.13	1
48534	7	2,859	652.11	824.09	2,356.96	1.21	652.14	584.98	2,153.81	1.33
48527	568	2,859	652.1	823.25	2,351.43	1.22	652.13	577.71	2,136.19	1.34
47959	1,480	2,859	651.72	652.32	2,520.46	1.13	651.74	527.04	2,304.42	1.24
46377	225	2,850	650.88	1,225.93	2,633.53	1.08	650.88	743.72	2,411.75	1.18
46154	63	2,850	650.74	1,060.35	2,398.22	1.19	650.74	714.77	2,194.38	1.3

Cross-Section Number (plate 1)	Distance to Center Line (ft)	100-Year Flood Discharge (ft^3/s)	100-Year Flood Condition				Encroachment			
			W.S. Elevation (ft)	Top Width (ft)	Flow Area (ft^2)	Velocity (ft/s)	W.S. Elevation (ft)	Top Width (ft)	Flow Area (ft^2)	Velocity (ft/s)
Main Stem (cont.)										
46097	40	2,850	650.72	1,542.05	3,900.77	0.73	650.72	1,114.38	3,580.51	0.8
46058	185	2,849	650.38	1,328.17	2,387.82	1.19	650.38	948.80	2,184.52	1.3
45873	1,475	2,842	650.2	1,566.18	3,032.12	0.94	650.22	1,042.03	2,758.92	1.03
44642	1,586	2,840	649.22	819.76	2,522.50	1.13	649.24	630.51	2,298.59	1.24
43056	452	2,832	648.7	1,228.02	5,026.78	0.56	648.71	991.76	4,630.02	0.61
42604	211	2,832	648.61	1,055.95	4,680.87	0.61	648.61	826.23	4,225.04	0.67
42393	63	2,832	647.97	71.08	512.63	5.52	647.97	71.08	512.65	5.52
42330	160	2,832	647.4	68.63	473.42	5.98	647.4	68.63	473.45	5.98
42160	3,520	2,833	647.43	813.55	3,101.77	0.91	647.44	613.07	2,827.92	1
38700	872	2,833	645.49	465.95	1,998.03	1.42	645.52	351.16	1,821.31	1.56
37896	80	2,834	644.5	521.04	1,837.60	1.54	644.55	383.26	1,676.59	1.69
37793	157	2,834	644.48	616.47	2,729.37	1.04	644.52	477.70	2,494.26	1.14
37646	50	2,834	643.99	92.11	631.01	4.49	644.04	92.31	635.75	4.46
37602	115	2,834	643.41	94.11	615.61	4.6	643.47	94.28	620.80	4.57
37484	850	2,834	643.42	660.01	2,327.47	1.22	643.48	477.27	2,110.33	1.34
35603	1,050	2,834	642.85	721.95	2,380.67	1.19	642.89	580.79	2,176.89	1.3
34650	1,230	2,834	641.75	676.61	2,140.75	1.32	641.76	541.28	1,951.15	1.45
34379	1,150	2,834	639.67	661.98	1,631.94	1.74	639.77	572.09	1,631.69	1.74
33143	946	2,834	638.52	1,214.77	3,524.10	0.8	638.62	1,048.93	3,258.76	0.87
32253	380	2,834	637.85	833.64	2,528.39	1.12	637.9	695.01	2,305.72	1.23
31862	70	2,834	637.55	755.49	2,753.49	1.03	637.62	499.44	2,503.41	1.13
31790	55	2,834	637.31	127.84	806.60	3.51	637.38	123.38	816.09	3.47
31758	170	2,834	637.23	133.55	784.89	3.61	637.32	124.20	792.23	3.58
31580	1,260	2,834	637.05	789.96	2,578.83	1.1	637.15	623.16	2,416.78	1.17
30180	1,975	2,834	636	731.57	2,521.55	1.12	636.08	604.54	2,307.57	1.23
28364	1,970	2,835	633.63	840.11	1,945.80	1.46	633.73	654.94	1,854.72	1.53
26448	975	2,835	632.28	629.42	2,992.50	0.95	632.37	556.37	2,818.26	1.01
25448	700	2,835	630.23	1,565.78	735.38	3.86	630.33	931.96	742.46	3.82
24718	191	2,835	629.12	562.74	2,554.72	1.11	629.21	508.01	2,451.27	1.16
24120	2,162	2,909	628.96	688.29	2,809.86	1.04	629.03	557.48	2,548.27	1.14
22067	1,350	2,910	626.8	1208.66	3,287.82	0.89	626.9	1,121.15	3,290.40	0.88
21000	1,911	2,910	625.77	565.43	2,490.34	1.17	625.87	458.02	2,265.28	1.28
18780	934	2,910	624.74	599.20	2,996.68	0.97	624.81	475.06	2,743.86	1.06
17905	132	2,911	623.02	76.48	494.93	5.88	623.1	76.64	501.19	5.81
17773	141	2,911	622.81	390.01	1,436.86	2.03	622.89	299.93	1,305.16	2.23
17632	25	2,911	622.53	441.31	1,502.09	1.94	622.58	359.81	1,364.02	2.13
17584	80	2,911	622.16	95.17	543.81	5.35	622.25	95.97	552.10	5.27
17533	68	2,911	621.88	96.85	530.20	5.49	621.99	97.54	540.29	5.39
17468	167	2,911	621.86	514.95	1,683.16	1.73	621.96	388.48	1,530.98	1.9
17299	79	2,914	621.45	384.90	1,259.06	2.31	621.54	299.53	1,145.72	2.54
17222	872	2,914	621.2	410.68	1,219.59	2.39	621.28	325.05	1,111.58	2.62
16470	1,631	2,914	619.91	710.94	2,691.09	1.08	620	571.48	2,479.14	1.18
14845	1,263	2,911	617.96	376.48	1,481.74	1.96	618.06	283.42	1,353.90	2.15
13400	771	2,911	615.9	461.06	1,697.07	1.72	615.96	368.46	1,539.30	1.89
12150	1,898	2,939	613.96	264.39	964.80	3.05	614.04	177.37	877.55	3.35
10680	600	2,943	609.38	369.56	1,196.17	2.46	609.46	302.04	1,091.93	2.7
10267	420	2,957	608.43	327.35	1,242.28	2.38	608.53	215.73	1,132.75	2.61
9772	55	2,957	607.4	86.36	574.48	5.15	607.48	79.00	566.64	5.22
9712	180	2,957	606.79	85.57	524.21	5.64	606.84	79.00	515.83	5.73
9532	1,105	2,960	606.13	485.84	1,026.55	2.88	606.17	366.30	935.26	3.16
8400	1,200	2,966	603.88	600.68	1,926.97	1.54	603.96	374.44	1,754.55	1.69
7275	1,234	2,968	601.44	255.23	1,067.53	2.78	601.53	212.52	1,001.40	2.96
6425	350	2,971	597.75	461.62	1,348.09	2.2	597.85	354.86	1,226.96	2.42
5633	1,622	2,971	596.7	381.13	1,275.39	2.33	596.8	320.05	1,192.10	2.49
4520	1,170	2,975	591.7	381.64	1,277.25	2.33	591.79	346.82	1,223.78	2.43
3880	875	2,978	589.3	170.44	974.69	3.06	589.35	123.82	886.00	3.36
3020	1,000	2,978	588.12	473.45	1,705.44	1.75	588.17	355.39	1,554.06	1.92
1005	204	2,978	586.54	288.68	1,335.19	2.23	586.64	208.80	1,227.02	2.43

Cross-Section Number (plate 1)	Distance to Center Line (ft)	100-Year Flood Discharge (ft^3/s)	100-Year Flood Condition				Encroachment			
			W.S. Elevation (ft)	Top Width (ft)	Flow Area (ft^2)	Velocity (ft/s)	W.S. Elevation (ft)	Top Width (ft)	Flow Area (ft^2)	Velocity (ft/s)
Main Stem (cont.)										
811	10	2,978	586.53	106.50	1,394.58	2.14	586.63	86.60	1,381.89	2.16
798	421	2,978	576.04	67.18	586.16	5.08	576.14	59.98	537.06	5.55
334	329	2,978	574.91	155.26	655.26	4.54	574.91	103.50	632.58	4.71
1	0	2,978	572.68	90.40	409.04	7.28	572.68	90.41	409.13	7.28