



Appendix D

Peak Discharges

Table D-1. Existing Conditions Peak Discharges (Scenario 1)

Notes: Peak discharges usually occur at times other than the time of maximum computed water surface elevation. Peak discharges can occur in the upstream direction.

Conduit Number	Maximum Computed Discharge					
	2-Yr (cfs)	5-Yr (cfs)	10-Yr (cfs)	25-Yr (cfs)	50-Yr (cfs)	100-Yr (cfs)
11171	257.98	371.22	453.87	609.22	775.17	888.72
11231	35.23	53.50	64.92	78.93	95.85	112.26
11291	256.37	369.16	451.72	607.45	773.71	888.75
11311	256.63	369.67	452.47	608.99	774.97	889.30
11371	24.57	38.77	47.68	58.54	71.57	84.33
11391	30.16	46.10	55.95	67.92	82.12	95.80
11451	27.51	42.89	52.21	62.63	62.91	62.94
11471	30.72	47.36	57.29	63.21	63.46	63.88
11491	31.03	47.84	57.80	63.46	63.63	63.48
11531	275.19	408.33	499.14	637.22	791.09	895.89
11551	142.05	213.27	259.23	340.04	397.81	351.22
11571	56.65	87.61	104.51	147.75	135.80	125.69
11591	76.02	97.51	122.63	151.83	173.47	196.87
11611	100.98	161.94	201.84	247.84	276.83	296.63
11651	23.69	71.06	95.01	129.39	165.15	194.31
11671	16.78	27.42	27.79	27.86	27.59	27.64
11691	20.51	27.80	27.78	27.72	27.72	27.83
11711	20.78	28.24	28.71	29.02	27.91	28.22
11731	20.82	28.38	28.94	28.76	27.92	28.35
11751	20.85	28.54	29.19	28.70	27.94	28.50
11771	20.84	53.57	77.05	106.31	137.41	160.52
11811	14.17	23.18	28.64	35.07	41.52	47.42
11831	16.57	26.18	31.84	38.46	46.08	53.16
11871	34.53	80.14	102.81	135.66	155.10	169.33
11891	84.16	94.23	94.77	95.08	95.14	95.00
11911	90.38	93.57	93.66	93.97	94.21	94.49
11931	65.11	135.58	135.55	135.60	135.29	133.83
11951	95.60	131.29	132.22	130.53	127.96	129.77
12031	9.44	20.80	31.10	46.03	66.02	83.65
12051	35.82	54.68	66.22	79.08	94.16	108.47
12071	31.95	51.97	64.47	74.32	75.78	74.32
12091	67.88	68.16	68.27	68.39	68.54	68.68
12191	24.48	41.75	53.34	67.69	84.66	101.51
12211	18.72	25.91	46.00	70.31	82.74	88.71
12212	21.87	34.92	44.72	48.18	53.63	60.18
12251	27.99	49.09	63.17	81.02	103.50	126.01
12271	20.11	32.31	39.72	48.50	58.81	68.38
12291	29.86	46.45	56.23	67.76	81.20	93.88
12331	26.37	45.38	58.04	73.78	92.75	110.36
12411	92.36	151.68	195.94	252.75	278.66	297.97
12451	93.70	149.13	188.93	236.60	238.84	238.06
12471	117.15	200.45	245.14	293.88	337.34	354.77
12511	33.67	52.33	61.00	86.66	102.57	107.21

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Conduit Number	Maximum Computed Discharge					
	2-Yr (cfs)	5-Yr (cfs)	10-Yr (cfs)	25-Yr (cfs)	50-Yr (cfs)	100-Yr (cfs)
12531	36.22	55.69	66.31	82.29	87.84	86.32
12551	14.79	18.85	22.03	24.46	42.12	41.79
12571	39.53	62.28	74.27	83.97	83.75	83.36
12591	49.24	71.81	87.38	96.84	107.14	107.81
12611	54.91	83.96	98.23	107.44	125.01	125.14
12631	30.06	47.89	58.06	69.59	80.75	143.35
12651	13.52	17.08	20.01	23.04	38.19	44.11
12671	11.43	16.88	19.82	23.54	34.69	55.22
12691	14.81	22.51	27.98	35.15	44.15	55.14
12711	5.86	8.36	11.51	16.46	16.59	17.01
12731	9.09	13.26	15.21	16.63	23.62	32.60
12751	10.83	17.16	20.89	25.24	30.24	34.91
12771	106.02	171.02	207.56	249.61	283.02	280.11
12791	126.09	205.55	221.18	265.75	271.75	271.62
12811	189.60	237.19	241.04	269.19	274.83	273.52
12831	75.91	129.99	139.70	147.64	150.64	151.79
12851	81.91	132.38	143.43	150.04	152.40	152.26
12871	87.94	135.71	145.92	150.35	152.46	152.27
12891	99.01	104.99	103.40	103.54	103.44	102.60
12931	40.02	64.26	81.26	92.46	97.80	100.59
12951	53.87	86.25	96.84	101.65	101.91	102.17
12971	73.85	113.65	117.60	117.32	116.98	116.79
12991	80.48	119.85	128.79	130.21	129.42	127.35
13051	248.00	407.02	512.39	579.99	632.28	677.89
13071	250.10	409.45	514.70	582.64	634.72	680.61
13091	65.51	102.39	124.42	150.50	181.12	210.32
13111	69.23	107.86	130.63	157.46	189.08	218.84
13131	249.01	407.60	511.98	576.40	621.77	654.32
13151	249.38	407.96	512.27	576.65	621.97	654.55
13171	249.81	408.36	512.77	576.94	622.19	654.81
13211	249.29	407.34	511.35	574.12	617.10	639.55
13251	29.36	50.45	63.16	76.73	88.64	93.77
13271	61.75	88.55	92.17	95.18	97.57	98.53
13291	68.28	94.55	100.32	100.30	97.45	98.47
13331	257.85	442.49	562.38	622.44	642.23	662.88
13351	84.08	133.27	162.36	197.61	198.63	198.63
13371	257.83	442.14	559.00	611.71	622.38	622.91
13391	260.52	446.11	562.94	618.33	636.53	641.14
13411	260.88	446.64	563.42	619.45	638.78	643.73
13431	21.87	46.80	62.65	90.08	127.54	141.28
13451	17.76	43.58	56.19	70.06	85.14	100.22
13471	20.29	46.55	57.81	71.88	87.00	101.33
13491	20.59	47.15	59.30	73.75	88.69	103.76

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Conduit Number	Maximum Computed Discharge					
	2-Yr (cfs)	5-Yr (cfs)	10-Yr (cfs)	25-Yr (cfs)	50-Yr (cfs)	100-Yr (cfs)
13511	21.31	47.85	59.93	74.39	89.94	105.53
13531	22.60	49.18	60.59	74.92	91.04	107.07
13532	74.65	126.03	142.25	155.97	179.15	201.51
13551	93.87	158.44	171.82	180.12	190.34	200.02
13571	94.27	158.96	172.10	180.39	190.51	200.13
13611	100.92	167.40	176.26	185.10	197.01	209.41
13631	117.36	177.80	196.27	215.21	233.56	248.87
13651	139.40	213.45	236.45	255.99	275.30	293.60
13671	111.91	156.68	156.63	154.75	153.26	152.63
13691	40.50	76.47	79.23	80.08	81.74	84.03
13711	97.43	161.45	202.50	244.95	294.13	339.88
13731	24.48	38.17	46.27	58.14	69.81	79.89
13811	8.51	13.38	15.74	20.85	26.18	31.13
13831	21.07	31.34	37.02	43.41	49.47	54.42
13851	21.03	31.25	37.17	43.93	50.64	55.32
13931	77.96	129.74	150.96	189.56	237.55	283.97
13951	74.14	120.82	137.20	222.67	243.82	220.49
13971	244.73	401.81	504.28	543.64	564.94	608.15
14051	170.74	283.57	371.89	533.44	674.12	786.70
14071	27.82	42.84	49.98	55.53	61.31	74.27
14131	17.40	31.05	41.28	55.52	69.57	83.79
14151	20.65	34.25	42.18	48.58	53.01	53.67
14171	21.89	36.91	45.81	52.62	57.12	57.94
14191	22.56	38.38	47.98	55.63	60.55	62.12
14231	30.10	50.27	59.32	64.22	69.14	72.09
14291	183.98	293.47	357.94	485.24	610.78	704.89
14311	14.53	17.47	20.97	24.40	29.81	35.73
14371	5.65	9.68	12.59	17.14	22.08	26.46
14411	173.42	256.84	300.51	351.78	406.98	455.35
14451	64.66	115.51	146.24	173.65	176.11	178.11
14471	113.14	220.99	231.28	227.61	222.97	216.29
14491	111.67	192.25	222.60	223.92	225.31	226.26
14531	44.29	77.16	112.65	159.35	177.77	177.77
14551	27.65	43.75	53.15	65.61	80.48	93.12
14611	81.90	143.57	187.81	255.51	340.71	403.22
14651	78.54	138.63	182.39	245.39	324.17	380.77
14671	34.78	62.88	81.80	104.94	116.85	116.17
14751	31.62	54.70	71.23	92.74	101.27	106.36
14771	57.85	101.94	128.27	146.42	152.24	148.27
14791	50.71	87.00	110.99	137.49	164.82	160.22
14811	50.99	87.65	112.90	141.41	169.47	167.30
14871	72.63	124.09	157.68	184.06	214.34	215.99
14891	78.91	122.25	147.97	178.45	221.82	238.26

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	2-Yr (cfs)	5-Yr (cfs)	10-Yr (cfs)	25-Yr (cfs)	50-Yr (cfs)	100-Yr (cfs)
15051	82.99	132.58	162.69	198.24	239.52	277.98
15071	113.24	173.22	209.49	252.45	305.37	347.80
15091	38.26	64.04	80.36	100.13	123.47	145.42
15151	12.04	23.65	39.50	55.73	72.60	82.94
15171	31.67	48.08	58.81	72.46	96.54	121.17
15231	7.15	12.25	16.84	26.06	42.95	47.93
15251	27.51	41.15	51.35	65.02	87.22	111.25
15311	6.93	10.19	17.34	26.71	28.52	30.13
15331	4.38	8.38	11.21	22.73	22.73	25.03
15351	2.86	6.21	10.79	24.20	27.87	30.01
15411	3.39	7.17	12.64	26.16	35.14	40.57
15471	2.78	5.55	8.95	15.04	20.44	22.36
15571	15.80	32.86	44.41	58.94	79.81	97.31
15591	8.59	23.41	33.06	53.65	78.40	95.78
15691	7.85	16.04	30.01	53.35	77.38	94.60
15711	13.52	20.85	25.72	36.65	49.32	53.95
15771	2.97	10.72	20.85	36.29	46.75	51.02
15791	3.73	11.24	21.59	37.66	47.59	49.74
15851	4.09	12.02	22.82	39.66	51.99	56.51
15911	2.03	5.54	10.72	18.75	28.29	31.27

