



# Appendix D

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# Peak Discharges



**US Army Corps  
of Engineers**  
Norfolk District

**Chesapeake**  
VIRGINIA

Department of Public Works

**URS**

**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)
6931	3.55	7.09	9.47	12.52	16.32	20.45
6932	0.00	0.00	0.00	0.00	0.00	0.25
11011	0.41	1.46	3.15	5.97	10.12	14.76
11021	0.16	2.09	4.81	8.65	13.29	17.66
11022	0.74	3.53	5.98	9.29	13.61	17.77
11031	3.38	9.93	14.93	21.44	29.76	37.06
11041	0.14	1.62	4.21	7.53	11.02	13.87
11051	2.15	7.95	12.88	19.43	27.78	35.79
11071	2.40	6.81	12.68	22.01	33.09	42.99
11091	2.31	4.16	5.69	8.02	12.31	17.25
11111	2.80	6.73	10.49	16.25	24.84	34.79
11131	3.31	8.65	13.51	21.33	32.87	45.65
11151	2.96	9.62	16.03	25.54	38.65	52.57
11161	4.48	7.77	10.33	13.79	18.34	23.18
11171	9.82	18.08	29.36	49.67	77.86	106.77
11191	2.89	7.65	12.86	21.47	34.55	49.51
11192	2.72	8.36	14.71	24.53	37.15	48.98
11231	10.26	16.38	20.08	25.50	40.99	58.48
11251	8.38	14.13	17.55	25.39	41.02	58.61
11311	4.17	9.82	13.97	19.30	26.01	32.92
11321	3.40	11.16	17.59	26.31	37.82	49.16
11371	3.27	12.64	21.86	34.67	51.42	68.27
11381	2.43	7.62	13.55	23.04	34.84	44.93
11391	2.29	7.79	14.05	23.75	35.91	46.59
11411	12.85	20.69	30.89	52.32	82.54	113.28
11431	11.77	27.71	46.57	76.20	118.08	161.43
11451	11.70	27.68	46.53	76.17	118.08	161.39
11471	11.83	28.09	47.51	78.53	122.87	168.62
11551	6.88	11.41	14.19	17.52	21.53	25.98
11561	13.53	28.79	50.07	82.49	135.37	174.27
11571	13.62	28.79	55.10	93.32	153.35	179.69
11591	13.88	28.78	49.54	81.87	130.87	174.32
11631	6.45	11.10	13.66	16.13	18.29	21.26
11651	4.76	7.35	9.25	11.66	14.60	17.45
11661	27.13	43.75	54.88	68.29	84.32	99.87
11671	9.13	15.59	19.82	24.76	30.38	35.40
11672	7.91	14.05	18.08	22.90	28.40	33.37
11673	23.38	35.31	43.47	53.08	63.90	73.53
11701	11.51	17.67	20.15	24.13	24.49	19.53
11711	27.68	43.22	49.04	59.27	66.50	68.92
11731	20.19	32.45	39.67	48.09	57.85	66.92
11751	7.93	18.09	23.54	27.20	30.60	34.47
11771	11.99	12.05	12.10	12.17	12.29	12.90

**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)
11791	9.16	19.43	24.71	28.18	31.57	35.15
11811	11.99	12.05	12.10	12.17	12.29	12.90
11831	18.22	29.31	35.18	40.24	43.75	45.62
11851	6.52	10.50	12.80	15.48	18.57	21.46
11861	8.65	15.80	20.57	26.55	34.19	42.33
11871	6.57	10.20	12.31	14.80	17.58	20.04
11881	13.48	22.32	27.75	34.26	42.01	50.71
11891	54.53	99.99	126.28	155.50	187.16	238.17
11901	14.98	27.52	37.16	49.12	63.10	74.80
11911	4.58	7.13	8.47	9.68	10.53	13.07
11931	33.11	57.75	73.03	90.05	107.73	119.25
11951	19.91	35.00	44.41	56.10	78.40	97.83
11971	22.27	34.43	41.90	50.78	61.21	71.17
11991	25.79	46.14	60.09	76.86	83.76	85.65
12011	2.96	3.91	4.48	6.12	12.82	20.55
12031	3.59	7.68	10.90	14.63	28.94	68.94
12051	33.35	62.11	82.38	107.53	121.34	133.96
12071	15.36	28.37	36.18	45.27	55.50	64.55
12072	21.23	40.34	54.33	72.22	79.15	81.83
12091	14.53	27.10	36.25	45.21	55.11	62.50
12111	20.84	39.62	53.09	69.75	74.35	84.24
12131	9.57	16.43	21.04	26.80	33.94	41.18
12141	19.02	30.51	37.56	46.00	55.94	66.99
12151	16.96	30.99	40.91	53.75	70.05	86.79
12171	23.83	39.61	50.12	63.08	78.87	95.08
12191	34.84	64.44	83.39	104.58	119.51	126.51
12351	10.12	16.33	19.79	23.30	26.82	29.59
12371	19.53	30.94	36.02	42.38	48.94	54.35
12391	18.33	29.23	34.09	39.76	45.35	49.47
12411	15.17	24.73	29.27	34.07	37.82	40.17
12431	14.05	22.78	26.66	30.10	31.67	31.33
12451	12.53	17.83	19.09	19.05	18.03	19.29
12452	0.20	2.06	3.55	4.92	4.86	4.91
12471	46.87	84.67	107.06	130.00	148.42	160.43
12491	46.85	84.39	106.52	129.07	146.89	158.54
12511	12.93	21.96	27.53	34.16	42.02	49.69
12531	21.52	40.35	52.69	67.32	74.33	77.49
12532	19.08	38.08	50.99	67.77	75.25	77.49
12533	28.26	46.89	57.05	65.46	73.89	77.49
12551	72.87	132.26	169.69	209.15	234.94	248.35
12571	74.65	135.31	175.87	215.90	243.90	259.60
12581	10.70	17.59	21.64	26.26	31.02	33.94
12591	75.65	136.13	175.62	217.90	245.22	260.25

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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)
12631	46.43	82.10	103.25	146.65	200.87	258.51
12651	112.53	211.46	277.22	359.35	440.62	499.55
12671	112.94	211.67	277.53	359.68	440.52	506.30
12691	114.15	215.25	283.04	367.07	450.27	510.46
12711	100.98	194.17	256.37	329.98	404.33	456.00
12712	13.55	21.39	27.02	37.39	45.82	51.68
12731	115.63	219.05	288.68	374.41	459.60	517.42
12791	4.48	7.14	8.36	8.95	9.25	9.41
12801	16.00	26.19	31.72	36.66	36.67	36.67
12811	20.37	27.73	27.75	27.77	27.77	27.77
12831	13.17	20.52	21.97	22.33	22.73	23.72
12851	26.60	44.14	53.83	64.51	76.34	87.05
12871	31.55	42.00	51.20	61.41	72.75	82.99
12881	11.12	11.30	12.84	15.15	18.74	22.45
12891	117.76	223.98	295.39	383.11	470.30	534.59
12911	128.82	240.78	316.95	411.19	505.33	583.17
12931	130.80	245.88	322.10	417.48	512.49	593.30
13011	9.38	12.21	15.27	16.96	31.15	49.42
13031	9.44	12.29	15.38	17.09	31.31	49.70
13051	142.87	257.25	337.14	431.37	559.77	594.66
13091	31.53	47.85	56.75	67.17	77.58	85.85
13111	25.13	37.19	43.42	51.13	59.69	69.29
13131	154.70	276.67	361.17	455.13	610.31	642.07
13171	43.42	69.50	84.57	102.04	102.19	102.42
13231	5.12	12.23	16.56	34.23	36.32	38.78
13251	6.98	16.38	22.18	37.65	43.74	54.53
13271	7.51	16.58	22.45	37.84	49.90	165.63
13291	166.36	294.98	387.33	493.11	688.48	811.28
13391	12.54	20.23	24.44	41.63	78.18	82.56
13411	26.99	40.87	46.06	57.03	61.10	61.63
13471	26.64	40.63	45.94	56.96	70.75	68.07
13491	25.89	39.88	45.10	49.32	58.68	59.46
13511	177.16	309.25	405.04	511.04	712.56	790.33
13541	18.89	30.03	35.98	43.11	44.07	44.10
13551	16.14	21.70	24.47	27.38	30.45	33.04
13631	16.10	22.27	25.39	28.68	32.11	35.03
13671	11.00	21.11	26.30	31.50	36.56	40.09
13691	12.24	23.26	29.18	35.05	41.04	48.79
13711	13.13	24.59	30.64	36.49	53.59	66.51
13751	189.84	332.53	436.61	546.75	742.62	808.32
13791	13.60	18.86	23.57	28.95	30.14	30.41
13811	28.46	40.24	46.20	47.78	47.73	47.38
13871	38.40	53.84	64.05	66.61	70.47	71.97

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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)
13891	38.29	53.77	64.05	66.61	70.48	71.97
13911	38.23	53.67	60.47	60.89	60.86	60.76
13951	38.12	53.49	60.46	60.85	60.81	60.71
13991	37.85	52.95	59.62	59.72	59.61	59.61
14011	200.46	343.78	465.60	560.67	731.74	775.83
14031	7.76	8.54	8.80	10.62	9.96	10.04
14041	7.76	8.54	8.80	9.78	9.34	9.42
14051	15.22	18.42	19.93	20.87	21.50	22.18
14061	13.46	17.29	19.23	20.12	20.46	21.29
14071	3.68	7.51	9.09	9.87	13.23	14.25
14081	3.46	5.56	6.71	8.10	9.76	10.84
14091	2.31	4.85	5.70	5.99	6.77	7.44
14092	3.99	6.76	7.46	7.18	7.39	7.34
14101	2.31	4.85	5.83	6.28	6.81	7.46
14111	12.99	21.03	25.89	32.45	38.67	44.88
14121	9.11	14.60	17.74	23.47	26.36	26.51
14131	10.36	17.97	23.55	30.76	35.58	38.36
14141	9.41	14.81	17.88	24.55	26.51	27.47
14161	9.72	15.05	18.03	29.11	29.91	30.84
14191	26.56	42.86	50.38	58.62	58.99	57.23
14211	26.05	42.69	50.63	59.26	59.22	58.49
14231	27.36	45.67	53.36	61.17	70.96	70.72
14251	41.95	69.37	80.63	91.52	103.11	103.74
14271	41.62	68.83	79.89	90.65	102.39	103.80
14291	221.74	369.60	492.49	591.14	747.86	780.66
14351	8.36	16.77	22.08	28.07	34.86	40.99
14371	8.58	16.87	21.58	26.62	31.57	36.88
14391	235.23	385.80	506.81	606.57	756.02	783.72
14411	235.66	386.14	507.01	606.78	756.22	783.83
14451	241.31	392.10	511.83	611.88	761.02	785.78
14491	36.39	58.23	70.28	83.56	97.26	97.50
14511	36.61	58.23	70.28	83.56	97.26	97.50
14551	36.04	57.18	69.01	81.72	95.52	96.52
14571	251.07	403.98	522.59	626.03	774.07	790.99
14611	16.62	26.76	32.67	39.49	47.34	54.62
14631	258.86	411.71	528.28	632.08	780.47	797.53
14751	2.99	4.38	5.41	6.23	8.18	11.88
14791	22.32	35.19	42.11	49.38	54.70	55.26
14811	21.90	34.31	40.87	47.34	52.22	52.76
14851	11.73	15.33	17.19	19.38	23.13	26.52
14871	6.18	6.22	6.36	6.16	6.07	6.14
14891	11.93	13.02	13.02	13.03	13.10	13.12
14911	6.93	9.98	11.54	12.88	15.64	21.16

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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)
14931	9.63	14.63	17.12	18.94	20.89	24.64
14971	5.56	9.26	11.78	13.98	15.05	15.62
14991	5.56	9.24	11.66	13.72	14.99	15.61
15011	5.56	9.17	11.46	13.53	14.98	15.61
15031	9.97	14.84	17.35	19.14	20.98	24.85
15071	9.91	14.88	17.38	19.17	20.98	24.86
15091	9.91	14.90	17.40	19.19	20.99	24.86
15111	9.93	14.94	17.43	19.22	21.00	24.86
15171	21.32	32.64	40.13	48.59	58.20	58.37
15181	17.79	23.99	26.24	27.86	30.13	32.34
15191	13.75	19.45	19.83	16.89	14.98	13.87
15211	34.13	46.43	50.12	52.76	55.61	55.81
15231	33.70	46.07	49.64	51.77	54.13	54.05
15251	33.35	45.78	49.31	51.24	53.63	52.44
15271	18.74	26.60	29.31	29.41	29.12	28.83
15331	22.10	34.30	39.56	44.47	49.47	51.59
15371	22.24	34.32	39.58	44.48	49.48	51.61
15391	28.33	45.47	52.82	60.20	71.49	74.04
15451	2.35	6.43	9.38	11.93	13.38	15.53
15471	2.46	6.66	9.63	12.30	13.40	15.54
15511	4.65	7.61	10.69	13.84	16.16	17.17
15521	5.72	8.40	10.98	14.23	17.32	18.60
15531	6.72	9.47	12.17	15.33	18.86	20.45
15551	14.38	23.09	28.19	34.10	40.98	47.40
15651	37.24	59.46	72.20	86.24	97.38	98.16
15671	36.75	58.64	71.07	93.45	95.24	95.93
15681	36.55	56.17	66.60	78.54	81.84	81.34
15711	34.47	50.97	58.90	67.26	78.85	79.13
15731	33.90	50.17	57.95	64.88	79.90	79.67
15751	10.55	16.65	19.89	24.54	29.89	34.88
15791	38.49	58.06	68.40	78.38	106.78	112.32
15851	43.90	73.04	87.73	113.19	175.11	205.05
15871	44.30	73.72	88.65	113.78	179.62	204.88
15891	59.99	99.72	124.89	156.93	222.81	243.22
15931	60.35	99.84	124.81	157.55	205.69	218.71
15991	84.74	140.05	173.90	212.95	235.33	243.47
16031	85.28	140.80	173.86	212.18	236.00	243.95
16051	99.34	164.54	203.08	248.82	264.25	269.12
16091	15.55	25.25	30.82	37.13	43.71	45.27
16111	110.26	182.32	223.66	274.72	277.82	277.60
16141	12.04	19.33	22.45	22.75	22.53	22.17
16151	146.70	242.73	295.87	354.43	396.59	409.99
16171	144.12	238.82	292.50	350.70	385.33	396.11

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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)
16191	143.34	237.80	291.77	349.95	382.65	392.92
16291	20.00	32.12	39.07	47.03	56.06	64.37
16311	30.60	48.76	59.15	71.05	84.51	97.87
16331	30.49	48.67	59.07	70.98	84.72	97.76
16351	23.90	33.65	38.09	42.77	47.99	52.65
16391	11.50	18.31	21.47	25.25	29.41	33.04
16411	11.52	18.32	21.47	25.23	29.40	33.02
16451	14.89	18.81	21.49	25.40	29.56	33.26
16471	41.12	65.38	77.83	91.80	107.18	121.63
16531	29.78	48.55	58.87	69.93	89.72	107.25
16551	170.28	282.56	346.74	415.91	460.24	487.17
16591	188.30	313.94	385.27	464.25	532.77	582.01
16611	186.14	310.62	381.93	460.11	524.62	564.70
16651	187.79	314.27	387.29	467.19	532.37	576.08
16671	187.90	314.15	387.04	466.76	531.44	576.43
16691	39.30	66.14	81.69	98.84	113.89	124.91
16692	39.30	66.14	81.69	98.84	113.89	124.91
16693	39.30	66.14	81.69	98.84	113.89	124.91
16694	39.30	66.14	81.69	98.84	113.89	124.91
16695	39.30	66.14	81.69	98.84	113.89	124.91
16711	196.61	330.71	408.28	493.93	568.92	624.33
16731	43.61	73.35	90.46	109.40	126.09	138.43
16732	43.61	73.35	90.46	109.40	126.09	138.43
16733	32.95	55.39	68.31	82.61	95.22	104.53
16734	32.95	55.39	68.31	82.61	95.22	104.53
16735	43.61	73.35	90.46	109.40	126.09	138.43
16751	196.92	330.95	407.48	492.56	567.44	621.73
16791	452.77	700.92	823.82	951.93	1,110.38	1,192.25
16891	22.56	38.18	47.96	59.86	69.95	76.01
16941	3.55	7.09	9.47	12.52	16.33	20.54
16951	3.70	9.03	11.51	14.23	17.09	20.78
16971	5.20	16.39	19.71	21.07	22.08	24.47
16991	7.67	24.52	32.16	35.50	36.22	35.67
17031	27.53	32.99	43.88	54.07	64.58	73.67
17071	53.27	63.09	62.75	62.33	61.99	61.97
17091	52.88	62.65	62.85	62.18	61.69	61.59
17111	94.46	129.74	145.20	160.12	179.88	196.72
17151	19.84	23.27	27.59	22.52	22.70	23.02
17171	19.71	20.95	27.59	20.41	20.65	21.76
17211	16.95	28.64	160.75	28.60	28.59	28.59
17231	32.76	44.01	45.61	43.97	43.96	43.96
17271	77.09	99.08	96.54	102.88	102.82	101.15
17291	74.22	86.32	86.24	86.25	86.22	86.20

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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)
17371	33.04	70.21	73.40	86.90	107.56	117.37
17431	104.55	120.96	132.32	128.22	129.36	125.62
17491	176.01	208.41	209.05	208.66	213.76	216.62
17511	21.34	24.08	26.90	32.40	38.90	45.38
17531	178.70	208.53	210.48	214.67	226.59	233.48
17631	30.06	47.02	47.31	47.49	45.12	46.21
17651	4.38	8.16	9.43	9.57	8.98	10.16
17661	5.60	12.90	15.45	17.24	20.79	23.50
17691	32.37	42.21	42.02	41.72	41.36	62.75
17711	32.33	42.37	42.08	41.82	41.51	44.11
17751	32.16	41.75	41.64	41.26	40.91	40.67
17791	8.53	14.17	15.45	16.34	16.98	17.37
17811	179.07	210.42	216.56	226.55	238.76	248.13
17831	178.96	209.58	215.54	227.03	239.02	248.12
17851	178.70	209.84	217.16	228.70	242.18	248.68
17861	8.91	9.04	9.08	9.22	9.01	8.44
17871	5.22	5.29	5.32	5.34	5.37	5.40
17891	181.67	217.27	225.84	239.77	255.88	264.44
17901	5.91	6.18	6.63	7.72	6.25	6.30
17911	181.56	217.93	226.59	240.50	259.67	275.68
17931	189.71	234.41	249.67	262.84	287.37	295.44
17951	189.71	235.00	250.26	264.33	288.22	295.65
17961	31.92	47.02	55.73	63.39	68.91	71.59
17971	20.80	28.06	31.59	36.87	43.12	49.23
17981	195.46	246.97	268.91	289.73	310.96	316.59
17991	208.31	266.66	295.63	323.99	343.40	344.62
18011	206.60	268.22	298.37	328.08	346.90	349.38
18051	217.63	296.46	337.30	379.93	419.96	442.43
18071	217.61	297.12	338.64	382.08	422.66	441.22
18091	217.66	298.34	340.18	384.14	426.66	445.22
18131	230.42	328.80	380.24	435.79	496.35	542.08
18151	70.86	103.94	122.48	145.41	170.96	185.67
18152	68.60	101.29	119.89	143.41	169.51	186.55
18153	90.64	123.07	137.84	146.49	155.46	168.21
18171	229.67	327.67	379.91	434.44	495.06	541.98
18191	195.54	227.40	239.42	251.35	267.39	285.78
18211	667.87	915.65	1,036.33	1,160.80	1,338.46	1,419.29
18251	673.06	919.95	1,037.08	1,161.89	1,339.82	1,420.73
18271	679.70	929.33	1,047.28	1,171.20	1,348.89	1,432.91
18291	680.25	929.80	1,047.37	1,171.10	1,349.04	1,433.06
18301	681.01	930.42	1,047.51	1,170.94	1,349.25	1,433.28
18311	690.50	937.44	1,049.51	1,172.24	1,351.91	1,436.03
18321	683.76	932.59	1,048.01	1,170.37	1,350.04	1,434.10



**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)
18331	697.37	941.95	1,051.75	1,174.30	1,353.72	1,437.87
18471	44.24	69.68	83.25	83.71	83.50	83.12
18551	37.48	50.00	56.69	64.04	72.22	77.66
18591	37.48	50.00	56.69	64.04	72.22	77.66
18631	45.26	63.39	73.08	82.19	91.77	100.30
18651	45.35	63.33	72.93	81.86	91.32	99.76
18671	45.33	63.32	72.91	81.73	91.14	99.58
18691	46.16	63.11	72.38	81.46	90.11	99.46
18731	796.39	1,068.95	1,182.14	1,307.05	1,459.26	1,566.37
18771	832.40	1,106.05	1,212.42	1,333.77	1,468.00	1,573.97
18791	862.72	1,143.30	1,257.39	1,384.74	1,516.17	1,623.55
18831	10.07	10.06	10.10	10.07	10.08	10.10
18851	10.86	10.48	10.70	10.63	10.74	10.75
18891	20.47	28.98	29.34	36.94	43.89	44.30
18911	908.18	1,196.62	1,321.60	1,446.63	1,575.65	1,687.14
18951	946.64	1,248.43	1,393.20	1,530.36	1,673.25	1,797.30
19011	22.56	36.10	43.93	52.89	62.98	72.19
19031	22.47	35.72	43.29	51.86	61.39	69.98
19051	22.44	35.45	42.89	51.37	60.87	69.52
19071	22.00	36.03	44.13	53.71	64.73	74.86
19131	989.74	1,304.29	1,462.85	1,626.72	1,795.29	1,943.18
19151	385.42	519.81	585.23	676.78	783.95	844.74
19152	682.76	919.31	1,039.23	1,167.26	1,302.88	1,424.96
19291	19.58	31.51	38.10	45.15	52.29	57.77
19331	19.76	31.83	38.52	46.05	53.88	62.82
19351	20.40	33.03	40.13	48.31	57.53	65.86
19371	12.74	20.81	24.92	28.62	32.19	34.33
19372	34.84	52.35	61.06	69.38	76.51	82.51
19373	21.33	36.91	46.98	59.98	76.03	88.79
19431	64.84	102.26	123.29	146.63	170.84	190.36
19471	61.91	95.52	114.60	136.25	156.56	171.76
19531	62.07	95.75	114.85	136.48	156.78	171.97
19551	76.05	116.23	138.03	162.07	186.46	205.71
19601	5.68	7.40	8.28	9.22	10.20	11.21
19611	5.68	7.40	8.28	9.22	10.20	11.21
19621	6.87	9.27	11.79	14.64	17.92	20.88
19631	24.25	36.15	43.21	51.82	62.94	73.45
19651	19.89	26.93	30.68	34.92	39.76	43.72
19691	19.86	26.99	30.80	35.05	39.74	43.65
19711	19.92	27.07	30.88	35.10	39.78	43.68
19731	9.99	13.58	15.48	17.58	19.91	21.86
19732	9.99	13.58	15.48	17.58	19.91	21.86
19741	20.03	27.23	31.04	35.23	39.87	43.76

**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)
19751	127.40	195.25	233.04	275.51	322.15	360.21
19771	141.54	215.90	256.84	302.37	350.79	390.24
19831	159.80	244.11	290.09	340.28	391.96	434.24
19871	592.86	838.28	970.68	1,115.48	1,271.11	1,406.16
19911	1,334.67	1,824.36	2,103.47	2,417.82	2,755.47	3,049.61

**Table D-2. Future Conditions Peak Discharges (Scenario 3)**

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)
6931	3.63	6.93	9.25	12.20	15.75	20.63
6932	0.00	0.00	0.00	0.00	0.00	0.50
7791	38.17	57.55	101.26	132.51	173.11	181.75
11011	0.71	1.74	3.11	5.15	7.85	10.92
11021	2.64	7.29	11.71	18.56	30.09	40.51
11022	3.21	8.60	12.62	18.35	26.35	33.25
11031	9.46	19.54	24.53	27.87	29.99	38.03
11041	2.32	7.00	11.52	18.56	30.18	40.62
11051	7.42	13.75	17.96	23.44	31.16	39.02
11071	4.69	8.72	13.41	21.78	35.28	48.26
11091	4.56	8.78	11.99	16.66	22.62	26.87
11111	18.36	30.83	39.97	51.25	64.45	68.76
11131	34.85	57.07	70.70	87.45	107.51	126.60
11152	36.72	61.19	75.63	92.08	109.26	126.54
11161	45.89	72.08	87.77	106.20	127.54	148.04
11171	59.70	92.63	112.47	133.42	160.03	181.20
11181	36.48	60.54	74.66	90.54	106.69	121.78
11191	12.27	18.83	22.65	26.92	31.75	37.60
11192	14.87	26.20	33.27	41.71	51.49	60.64
11231	43.91	71.95	88.24	107.16	128.34	148.15
11251	43.91	71.72	87.79	106.41	127.10	146.48
11321	20.15	38.92	49.74	62.05	74.45	83.93
11371	20.16	38.96	49.80	62.10	74.46	83.73
11381	10.14	16.04	19.45	23.14	26.85	33.71
11391	9.66	14.82	17.79	21.05	25.94	33.68
11411	23.62	36.70	45.89	57.78	74.43	97.89
11431	40.70	69.95	89.24	115.07	148.66	181.65
11451	40.69	69.96	89.28	115.12	148.71	181.70
11471	42.14	72.88	93.64	120.61	155.74	190.86
11551	14.39	23.02	28.10	34.01	40.84	47.36
11561	43.25	76.28	100.44	131.48	179.75	199.59
11571	48.15	86.52	114.95	153.79	205.73	232.10
11591	43.01	75.73	99.16	128.96	175.40	197.91
11631	22.82	36.34	44.09	52.99	63.28	73.36
11651	19.02	31.81	39.44	48.23	58.19	67.33
11661	48.71	83.06	103.17	126.39	153.12	178.38
11671	15.44	25.35	30.71	36.61	42.84	48.15
11672	14.12	23.74	29.01	34.88	41.19	46.73
11673	33.68	52.43	62.80	74.50	87.83	100.61
11701	11.53	17.71	20.16	24.16	24.76	19.60
11711	27.75	43.32	49.07	59.33	66.62	69.11
11731	20.19	32.46	39.63	48.09	57.85	66.93
11751	7.45	17.31	23.19	28.41	32.48	33.38

**Table D-2. Future Conditions Peak Discharges (Scenario 3)**

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)
11761	2.93	21.69	22.29	21.62	21.66	22.28
11771	36.03	41.75	42.08	42.15	42.13	42.12
11791	7.73	17.80	23.81	29.07	33.07	33.66
11811	16.10	22.71	24.55	25.61	24.48	21.18
11812	23.63	35.00	39.69	44.81	49.85	50.46
11831	7.81	17.97	23.99	29.37	33.36	33.84
11841	29.19	43.54	49.43	55.82	61.31	65.00
11851	7.18	11.35	13.91	16.82	19.97	22.78
11861	7.42	14.98	20.25	26.99	35.20	42.26
11871	4.71	9.21	11.58	14.58	17.97	22.02
11872	24.28	35.09	38.62	41.96	43.42	43.22
11881	29.91	47.84	58.36	70.61	84.73	98.37
11891	125.31	202.45	241.55	284.54	330.76	370.09
11901	27.70	46.50	58.21	73.46	94.32	107.64
11911	4.24	7.58	9.84	11.78	12.59	15.25
11931	45.57	75.21	93.31	112.62	130.38	143.88
11951	27.71	47.92	61.08	77.12	97.00	115.04
11971	33.78	52.85	64.36	77.97	93.84	108.86
11991	47.37	83.28	106.23	134.20	167.40	199.04
12011	4.48	7.79	9.93	12.60	15.88	19.18
12031	11.79	20.61	26.12	32.78	40.83	48.70
12072	16.32	39.62	59.23	84.83	105.71	114.82
12111	16.26	39.66	59.40	85.22	106.27	115.26
12131	9.71	16.57	21.13	26.79	33.81	40.92
12141	19.04	30.35	37.26	45.52	55.27	64.60
12151	16.88	30.32	39.84	52.22	68.07	84.44
12171	22.39	39.28	50.47	64.29	81.17	97.95
12191	21.65	40.87	53.43	68.47	84.68	101.52
12351	6.94	11.41	14.75	18.46	22.75	32.48
12371	32.71	45.92	52.51	59.81	67.24	72.70
12391	31.08	43.54	49.81	56.21	62.43	65.58
12411	26.88	39.62	45.93	52.32	57.91	58.72
12431	25.81	38.72	44.82	50.66	54.82	53.55
12451	24.76	32.90	35.39	37.17	39.63	37.18
12452	0.65	4.51	7.76	10.17	10.08	9.46
12471	49.20	84.96	106.02	129.13	151.39	170.18
12491	49.27	84.87	105.76	128.61	150.21	168.65
12511	45.34	72.65	88.20	106.07	126.64	146.04
12531	19.19	35.14	45.70	59.12	69.35	82.38
12532	17.00	33.00	43.87	58.42	69.35	82.38
12533	25.53	41.51	50.51	58.86	69.35	82.38
12551	91.61	138.20	162.62	201.33	234.01	279.25
12571	103.41	156.71	186.04	217.55	251.38	302.21

**Table D-2. Future Conditions Peak Discharges (Scenario 3)**

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)
12581	24.11	38.56	46.71	55.16	59.07	62.69
12591	101.86	150.08	185.38	225.50	257.91	309.99
12631	123.26	202.57	243.30	285.53	331.48	375.23
12651	214.15	332.26	398.96	481.59	562.31	661.52
12671	208.70	329.98	399.25	480.07	561.05	654.74
12691	217.70	343.89	414.62	496.14	567.26	618.71
12711	217.30	343.95	414.76	495.53	590.94	585.76
12731	222.70	352.83	425.90	508.71	591.11	639.10
12791	6.25	8.10	8.80	9.27	9.35	9.35
12801	18.31	30.00	36.33	36.67	36.67	36.72
12811	24.56	27.75	27.77	27.77	27.77	27.76
12831	15.72	21.69	22.10	23.03	24.32	24.61
12851	35.69	57.77	69.45	82.28	96.55	115.55
12871	33.75	54.03	64.98	77.05	89.70	99.47
12881	12.41	18.25	21.98	26.39	38.93	55.28
12891	230.79	362.44	438.36	522.69	665.59	719.69
12911	250.94	399.68	481.74	570.95	674.14	739.73
12931	254.02	405.60	489.57	580.84	694.85	765.73
13011	12.75	23.78	30.30	36.14	51.44	45.90
13031	12.84	24.04	30.65	36.60	51.76	46.55
13051	255.51	405.06	490.88	576.54	676.61	728.07
13091	39.98	60.91	72.50	83.98	87.52	88.88
13111	32.13	46.90	54.75	68.07	71.94	77.89
13131	274.25	426.78	515.47	628.57	687.46	766.96
13171	43.42	69.50	84.57	102.04	102.19	102.42
13231	5.15	11.80	16.08	26.71	31.82	29.35
13251	6.99	16.02	21.82	34.42	50.22	44.00
13271	7.18	16.36	22.23	41.80	162.09	83.23
13291	285.30	441.03	532.03	702.47	829.22	869.87
13391	14.22	23.07	27.60	54.87	81.83	81.33
13411	28.53	42.38	48.16	61.32	60.99	61.19
13471	28.18	42.26	48.13	57.72	70.01	65.03
13491	27.23	41.21	46.33	48.11	58.78	58.92
13511	296.65	456.91	551.18	730.27	806.11	850.92
13541	19.36	31.01	35.13	44.05	44.08	35.27
13551	15.92	21.43	27.32	27.04	30.21	29.08
13631	16.44	22.76	25.93	29.29	32.79	35.86
13671	11.59	21.72	27.57	32.06	36.27	40.50
13691	12.91	23.90	30.29	35.17	42.02	48.86
13711	13.90	25.47	32.56	50.52	64.79	66.50
13751	310.16	479.11	578.99	745.03	815.86	859.98
13791	13.55	20.06	35.56	37.53	39.57	40.55
13811	28.94	42.04	46.80	47.51	47.45	47.14

**Table D-2. Future Conditions Peak Discharges (Scenario 3)**

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)
13871	42.18	59.93	67.77	71.63	71.99	71.99
13891	42.04	59.93	67.77	71.63	71.99	71.99
13911	41.94	59.93	62.72	63.32	63.44	63.27
13951	41.44	58.11	59.82	59.65	59.17	58.59
13991	40.97	57.22	58.46	58.06	57.49	56.83
14011	320.89	491.83	593.11	734.41	781.72	824.46
14031	8.68	8.93	8.91	10.49	10.64	10.98
14041	8.68	8.93	9.24	9.30	9.38	9.48
14051	14.98	18.03	19.46	20.68	21.24	21.79
14061	14.03	17.43	18.99	19.31	19.71	20.52
14071	3.74	7.33	9.45	10.71	13.84	14.67
14081	1.28	2.89	4.81	6.53	8.92	10.21
14091	0.03	2.34	4.38	6.31	9.09	12.76
14092	3.79	6.00	6.56	6.52	6.40	8.62
14101	0.16	2.35	4.43	6.29	9.02	10.85
14111	2.09	4.00	5.34	7.21	9.07	23.60
14121	9.47	15.19	18.42	23.43	25.48	32.72
14131	15.76	24.59	29.33	32.83	34.76	35.53
14141	9.80	15.40	18.59	24.44	26.44	45.41
14151	15.51	24.09	29.18	32.90	35.54	36.15
14161	10.15	15.64	18.77	28.65	29.17	45.18
14171	16.03	26.26	31.83	33.49	35.72	36.27
14191	33.15	53.39	62.42	79.76	93.00	103.14
14211	33.54	55.19	63.96	80.29	94.37	104.53
14231	35.30	58.34	68.49	73.37	67.58	68.31
14251	53.55	83.35	97.36	103.38	103.81	104.02
14271	53.02	82.49	96.30	102.18	102.50	102.55
14291	340.93	518.10	624.76	750.88	784.43	821.75
14351	8.79	17.40	22.87	29.27	36.48	42.80
14371	8.68	16.96	20.81	25.45	31.09	36.46
14391	353.98	532.93	640.74	758.12	788.11	820.80
14411	354.37	533.15	640.89	758.21	788.21	820.68
14451	360.87	539.47	647.47	761.65	790.15	821.63
14491	36.18	56.74	68.27	81.00	96.29	107.25
14511	36.30	56.19	66.60	79.83	94.71	95.59
14551	35.38	54.34	64.40	78.04	92.09	94.95
14571	369.90	549.59	659.01	769.81	794.20	832.19
14611	16.59	26.72	32.61	39.43	47.27	54.76
14631	376.81	555.26	664.66	775.33	796.70	825.39
14751	9.24	13.30	13.73	12.63	13.02	16.49
14791	22.34	35.11	41.96	48.91	54.02	53.87
14811	21.94	34.09	40.52	46.73	50.98	51.02
14851	14.86	21.55	25.04	28.49	32.17	34.33

**Table D-2. Future Conditions Peak Discharges (Scenario 3)**

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)
14871	6.33	6.38	6.45	6.27	6.30	6.33
14891	11.32	13.01	13.02	13.02	13.10	13.10
14911	6.85	10.49	13.33	17.26	21.40	23.63
14931	11.93	16.50	18.57	20.24	23.33	25.17
14971	5.70	9.64	11.85	13.78	14.37	14.57
14991	5.70	9.53	11.69	13.43	14.37	14.57
15011	5.70	9.35	11.54	13.41	14.37	14.56
15031	12.19	17.81	20.13	21.54	23.59	25.30
15071	12.20	16.80	18.94	20.45	23.59	25.30
15091	12.21	16.77	18.82	20.37	23.59	25.30
15111	12.22	16.80	18.85	20.38	23.59	25.30
15171	24.36	38.24	46.71	56.45	58.37	58.38
15181	20.04	26.15	28.34	30.29	32.76	31.30
15191	15.18	20.45	19.39	15.92	14.77	14.58
15211	38.04	49.23	52.24	55.55	55.89	55.98
15231	37.56	48.83	51.28	54.14	54.18	54.16
15251	37.07	48.42	50.52	53.60	53.53	52.18
15271	18.74	26.35	29.22	29.27	28.96	28.65
15331	23.31	35.94	41.35	45.91	49.91	52.64
15371	23.34	35.96	41.37	45.92	49.92	52.66
15391	28.72	45.26	52.38	59.18	65.69	76.46
15451	2.92	6.64	9.14	11.94	14.68	16.85
15471	2.91	6.66	9.16	11.97	14.71	16.85
15511	3.02	6.76	9.58	12.78	14.98	16.90
15521	3.35	7.08	9.95	13.36	15.42	17.92
15531	4.43	7.42	10.38	14.14	16.08	20.18
15551	20.16	32.26	39.26	47.33	56.59	65.18
15651	37.26	59.47	72.20	86.14	96.60	97.20
15671	36.90	58.77	71.12	84.40	94.41	95.09
15681	37.95	56.56	66.89	79.33	84.02	83.02
15711	35.50	50.96	58.76	68.09	81.16	81.25
15731	34.98	50.13	57.75	68.45	82.34	81.90
15751	10.50	16.62	20.04	24.59	29.99	34.85
15791	39.37	57.93	68.04	85.24	110.24	114.92
15851	45.94	75.99	91.36	112.66	179.25	207.35
15871	46.34	76.69	92.21	113.31	179.57	207.35
15891	60.62	100.41	126.09	162.23	222.93	240.76
15931	60.87	100.53	126.26	162.93	206.33	221.78
15991	85.59	140.87	175.11	212.26	236.10	244.44
16031	86.01	141.71	175.12	212.90	236.78	244.88
16051	100.26	165.54	204.40	249.24	262.97	268.00
16091	15.53	25.24	30.82	37.12	43.62	45.03
16111	111.20	183.49	225.21	275.46	275.73	277.56

**Table D-2. Future Conditions Peak Discharges (Scenario 3)**

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)
16141	12.04	19.31	22.35	22.60	22.35	21.97
16151	149.26	246.97	300.74	360.17	400.67	413.93
16171	146.66	242.82	297.15	356.18	388.88	399.65
16191	145.87	241.74	296.32	355.31	386.15	395.88
16291	20.73	33.37	40.62	48.93	58.37	67.11
16311	31.29	49.92	60.58	72.80	86.61	99.84
16331	31.18	49.83	60.50	72.72	86.55	100.91
16351	24.04	33.69	38.09	42.77	48.00	52.67
16391	11.80	18.55	21.82	25.64	29.79	33.43
16411	11.82	18.56	21.81	25.63	29.78	33.41
16451	14.75	18.53	21.84	25.73	29.98	33.67
16471	41.35	65.62	78.07	91.98	107.18	121.74
16531	29.94	48.93	59.21	70.30	90.61	107.48
16551	172.91	286.78	351.63	421.13	464.55	489.35
16591	191.13	318.63	390.88	470.79	538.23	586.19
16611	188.91	315.26	387.36	466.23	529.91	568.06
16651	190.51	318.95	392.62	472.96	537.29	581.61
16671	190.55	318.75	392.24	472.34	536.34	582.66
16691	39.97	67.31	83.00	100.32	115.38	127.02
16692	39.97	67.31	83.00	100.32	115.38	127.02
16693	39.97	67.31	83.00	100.32	115.38	127.02
16694	39.97	67.31	83.00	100.32	115.38	127.02
16695	39.97	67.31	83.00	100.32	115.38	127.02
16711	199.91	336.38	414.67	501.17	576.33	635.07
16731	44.32	74.51	91.82	110.95	127.75	140.81
16732	44.32	74.51	91.82	110.95	127.75	140.81
16733	33.48	56.27	69.34	83.78	96.47	106.32
16734	33.48	56.27	69.34	83.78	96.47	106.32
16735	44.32	74.51	91.82	110.95	127.75	140.81
16751	199.94	335.57	413.24	499.19	574.39	617.81
16791	560.35	820.87	953.95	1,101.45	1,182.77	1,211.87
16891	22.56	38.25	48.12	59.89	68.98	75.29
16941	3.63	6.93	9.25	12.20	15.75	23.87
16951	3.63	6.93	9.25	12.20	15.75	23.87
16971	3.63	9.65	11.36	15.80	19.48	24.31
16991	5.15	13.51	19.97	32.76	36.48	36.17
17031	32.76	46.50	49.14	57.47	65.67	74.63
17071	64.31	90.76	107.74	122.73	136.01	130.18
17091	63.78	90.87	107.94	135.46	109.69	133.52
17111	103.62	158.38	185.59	223.82	222.92	209.11
17151	30.62	49.03	59.40	68.12	81.52	80.97
17171	30.54	48.90	59.08	66.20	81.52	80.97
17211	22.10	35.61	42.72	50.58	74.03	94.33



**Table D-2. Future Conditions Peak Discharges (Scenario 3)**

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)
17231	52.10	83.94	101.11	115.81	141.81	135.83
17271	105.63	169.07	202.22	232.81	264.11	279.23
17291	104.35	166.75	200.21	232.45	254.01	260.48
17371	42.42	67.53	81.62	97.14	98.51	98.28
17431	28.88	47.79	63.33	69.69	72.23	72.60
17441	102.74	160.44	192.95	238.39	237.09	245.02
17491	207.29	312.66	337.86	390.04	389.67	422.43
17511	15.52	22.61	27.38	32.37	32.85	32.74
17531	212.02	313.12	338.95	381.21	402.35	443.20
17631	30.14	45.58	46.56	46.21	44.46	44.41
17651	4.38	8.19	9.34	10.40	9.72	11.40
17661	4.50	8.98	10.90	11.20	11.38	14.44
17691	33.15	46.43	44.76	47.14	44.62	47.21
17711	33.12	47.05	45.12	47.79	44.80	47.66
17751	32.95	42.50	43.17	43.50	43.68	43.78
17801	38.23	54.50	60.80	66.52	70.32	70.66
17811	182.01	267.95	290.34	328.71	356.63	401.68
17831	181.29	266.08	289.42	326.80	357.53	401.85
17851	179.26	261.29	287.23	318.86	331.81	334.64
17861	18.89	33.52	36.26	40.16	55.39	59.08
17871	18.68	29.89	29.50	29.61	30.06	30.26
17891	183.00	268.58	297.03	327.42	346.84	349.84
17901	10.41	17.11	16.89	16.75	16.45	16.30
17902	7.37	14.89	14.70	14.85	16.78	17.09
17911	182.41	268.17	296.70	326.07	346.24	343.95
17931	193.75	286.54	317.62	352.21	374.40	377.62
17951	193.35	285.80	316.86	351.28	372.09	370.12
17961	32.30	50.86	54.55	60.30	66.90	75.58
17971	33.10	52.24	55.77	59.84	63.19	68.26
17981	192.86	284.30	315.03	349.72	367.97	361.37
17991	219.51	336.31	371.01	410.17	438.19	446.42
18011	217.49	331.94	366.75	406.03	427.95	425.70
18051	241.21	367.14	411.40	457.77	500.72	521.54
18071	239.98	362.91	405.55	453.51	487.51	504.73
18131	257.54	387.39	439.10	490.92	538.57	570.87
18151	80.90	131.61	150.78	167.09	178.42	188.50
18152	78.76	130.03	149.84	168.63	179.58	188.51
18153	97.26	124.79	136.10	153.02	176.28	188.50
18171	256.34	383.76	434.95	485.29	531.34	563.69
18191	186.92	235.32	260.91	280.66	310.37	321.85
18211	764.95	1,036.59	1,171.44	1,320.10	1,411.19	1,492.72
18251	768.93	1,037.09	1,170.39	1,320.36	1,411.19	1,493.92
18271	777.36	1,047.05	1,180.97	1,330.89	1,425.80	1,507.83

**Table D-2. Future Conditions Peak Discharges (Scenario 3)**

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)
18291	777.79	1,047.11	1,180.85	1,330.85	1,425.79	1,507.96
18301	778.40	1,047.19	1,180.67	1,330.78	1,425.77	1,508.14
18311	785.97	1,048.28	1,178.39	1,332.85	1,425.59	1,510.39
18321	780.62	1,047.49	1,180.01	1,330.65	1,425.68	1,508.82
18331	791.10	1,049.08	1,176.79	1,335.13	1,426.33	1,511.86
18471	44.30	69.76	83.13	83.56	83.33	82.94
18551	37.09	49.85	56.54	63.86	72.10	77.75
18591	37.09	49.85	56.54	63.86	72.10	77.75
18631	47.75	67.40	77.86	87.78	98.27	107.64
18651	47.86	67.29	77.66	87.42	97.81	107.18
18671	47.86	67.26	77.63	87.29	97.70	107.17
18691	47.88	66.72	76.94	86.30	97.61	107.04
18731	882.62	1,153.61	1,280.47	1,426.75	1,548.93	1,637.16
18771	910.56	1,173.90	1,292.66	1,434.58	1,549.20	1,642.43
18791	936.84	1,204.54	1,328.18	1,456.19	1,588.35	1,695.54
18831	10.14	10.20	10.20	10.24	10.27	10.33
18851	10.54	10.69	10.61	11.11	11.15	10.86
18891	22.26	26.68	31.54	39.92	41.22	41.03
18911	982.27	1,261.32	1,379.64	1,505.55	1,640.72	1,756.50
18951	1,017.79	1,315.69	1,447.75	1,585.18	1,733.14	1,862.57
19011	22.79	36.49	44.40	53.45	63.64	72.93
19031	22.70	36.10	43.74	52.40	62.02	70.68
19051	22.67	35.83	43.35	51.91	61.51	70.24
19071	22.18	36.10	44.11	53.75	64.88	75.15
19131	1,062.48	1,373.81	1,522.23	1,682.49	1,855.17	2,006.40
19151	424.34	568.05	664.13	760.85	826.88	882.77
19152	715.99	951.34	1,072.46	1,200.21	1,336.23	1,460.43
19291	20.49	32.97	39.81	47.07	54.23	63.67
19331	20.59	33.15	40.06	47.80	55.49	73.56
19351	21.22	34.35	41.69	50.17	59.32	75.55
19371	13.28	21.60	25.72	29.48	32.90	35.41
19372	36.01	54.10	62.84	71.19	77.93	85.38
19373	22.24	38.67	49.42	63.18	80.48	90.97
19431	67.17	106.14	127.87	152.04	175.95	195.41
19471	64.14	99.16	119.00	141.51	160.82	174.12
19531	64.31	99.41	119.26	141.74	161.04	174.43
19551	78.78	119.99	142.31	167.13	191.13	209.72
19601	5.80	7.52	8.40	9.33	10.31	11.34
19611	5.80	7.52	8.40	9.33	10.31	11.34
19621	6.98	9.16	11.66	14.51	17.78	20.72
19631	24.33	36.25	43.33	51.96	63.11	73.64
19651	19.94	27.00	30.75	35.00	39.85	43.79
19691	19.92	27.05	30.87	35.13	39.82	43.60

**Table D-2. Future Conditions Peak Discharges (Scenario 3)**

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)
19711	19.98	27.13	30.95	35.19	39.85	43.64
19731	10.02	13.61	15.52	17.63	19.95	21.85
19732	10.02	13.61	15.52	17.63	19.95	21.85
19741	20.09	27.29	31.11	35.32	39.94	43.74
19751	129.65	198.51	236.90	279.96	326.43	364.37
19771	143.61	218.95	260.35	306.30	354.39	393.82
19831	161.48	246.83	293.00	343.75	396.00	438.41
19871	624.66	873.51	1,009.35	1,157.27	1,315.97	1,453.42
19911	1,397.79	1,894.53	2,172.62	2,491.37	2,834.82	3,132.40