



# 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)
11011	22.78	36.08	42.19	48.11	48.95	48.17
11031	35.46	55.8	65.08	74.68	80.78	83.99
11041	19.08	30.4	37.21	45.1	54.07	62.84
11051	33.95	45.94	50.5	55.52	59.65	62.45
11071	11.19	9.47	10.51	13.19	17.77	22
11091	14.26	22.44	26.86	32.2	38.06	43.42
11101	32.01	51.83	63.26	76.42	92.53	106.84
11111	6.13	13.02	16.98	18.97	21.07	24.1
11131	31.4	50.02	60.22	72.32	85.15	96.56
11141	16.07	17.15	17.9	18.69	19.91	21.11
11161	16.06	17.15	17.9	18.69	19.91	21.11
11181	24.48	37.08	43.12	50.12	57.81	64.72
11191	22.18	31.41	35.38	40	44.98	48.95
11211	55.02	71.67	79.56	87	93.66	98.83
11221	6.59	9.33	10.82	12.41	13.86	14.95
11222	6.58	9.32	10.81	12.4	13.86	14.95
11223	6.52	9.28	10.78	12.38	13.85	14.93
11231	14.41	17.83	19.24	21.46	24.14	26.19
11261	23.87	38.63	47.2	57.15	68.39	77.48
11262	23.3	36.71	44.63	53.62	61.5	68.98
11271	34.33	54.36	65.75	78.43	88.56	101.93
11291	36.57	53	57.92	62.93	60.59	61.23
11301	22.21	31.49	37.1	38.73	38.51	38.18
11302	21.44	30.2	35.58	36.62	36.04	35.59
11331	23.65	43.65	47.51	49.56	49.08	46.78
11351	46.07	71.32	77.47	78.59	79.01	78.2
11371	34.44	54.04	65.32	71.49	77.82	79.35
11381	33.53	50.77	60.6	66.12	63.73	62.66
11401	11.77	15.76	16.41	17.43	18.79	19.11
11411	43.46	65.42	76.3	74.85	71.1	66.66
11431	115.05	173.78	192.36	202.22	208.58	207.89
11441	115.16	173.59	192.13	202.18	208.57	207.86
11451	132.33	174.16	191.51	201.85	211.04	220.36
11471	14.9	24.03	29.06	34.43	38.93	44.94
11481	14.4	22.95	27.27	32.35	36.38	42.09
11501	24.37	38.65	46.78	56.99	68.32	79.06
11511	22.31	35.49	43.07	51.7	61.76	72.75
11521	46.28	73.65	89.15	107.15	127.53	136.12
11531	58.95	93.94	113.78	136.87	162.49	177.64
11551	27.22	42.45	49.86	59.58	64.76	64.26
11561	26.57	41.08	48.23	57.91	62.95	62.69
11591	84.41	93.88	101.17	109.65	122.37	134.07
11621	23.52	34.49	40.59	44.86	45.7	45.47

**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)
11631	23.44	33.42	39.3	42.28	40.7	39.2
11641	32.81	46.42	54.1	60.91	63.03	65.1
11661	11.45	17.93	28.36	56.15	56	58.13
11671	25.96	38.5	44.48	45.59	42.69	42.69
11681	37.89	55.51	62.76	63.61	59.2	57.96
11701	49.88	73.43	83.02	85.26	87.27	88.1
11711	81.86	119	136.14	143.08	147.86	151.32
11731	16.37	26.2	31.92	38.53	46.11	53.18
11732	16.33	26.14	31.86	38.44	46	53.01
11741	16.35	26.14	31.88	38.45	46	52.85
11751	24.01	38.09	46.26	55.52	66.88	77.45
11761	23.87	37.89	46.03	55.58	66.89	77.48
11771	23.67	37.61	45.83	55.73	66.95	77.5
11781	23.5	37.46	45.75	55.86	67.14	77.62
11801	181.18	249.05	284.75	320.16	353.94	371.18
11811	47.62	76.28	88.43	94.29	92.71	91.12
11821	173.78	247.71	277.11	304.97	330.73	339.11
11841	13.7	20.64	24.49	28.81	33.61	38.1
11861	30.73	41.37	46.37	51.41	56.49	57.66
11871	3.3	3.85	4.03	4.13	5.31	6.53
11881	19.03	25.47	28.21	30.85	33.36	35.35
11891	15.81	19.35	21.13	22.6	25.16	32.06
11892	15.53	19.04	20.8	22.22	23.61	24.19
11901	21.38	33.94	41.13	49.44	59.16	67.6
11911	1.53	1.57	1.58	1.56	1.52	1.48
11912	1.69	7.74	9.35	10.14	11.29	12.34
11913	3.05	8.7	10.05	10.92	12.2	13.29
11921	3.35	9.03	10.46	10.73	11.1	11.66
11931	1.95	6.52	7.6	7.09	6.86	7.07
11932	3.96	9.69	9.73	9.61	9.11	8.53
11941	1.93	6.36	7.4	7.03	6.82	7.05
11951	1.92	6.33	7.34	7	7.41	7.85
11961	5.51	7.87	8.73	9.25	9.76	9.14
11962	5.51	7.87	8.73	9.25	9.77	9.16
11971	2.72	3.54	3.98	3.92	3.68	3.61
11972	5.51	7.88	9.63	16.52	19.73	20.46
11981	12.61	15.13	16.73	17.95	16.48	14.77
11982	3.67	4.97	5.58	5.71	5.14	4.95
11991	3.65	4.94	5.55	5.69	5.14	4.94
12001	3.64	4.93	5.52	5.68	5.14	4.94
12011	6.14	8.25	9.27	9.4	8.8	8.27
12021	6.14	8.25	9.27	9.39	8.81	9.08
12031	6.14	8.25	9.71	9.51	11.4	13.48

**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)
12041	6.14	9.67	10.87	14.48	17.73	20.64
12051	13.36	18.9	19.9	21.66	23.78	26.93
12061	16.45	25.14	27.72	28.44	30.05	30.69
12071	19.97	30.48	34.45	37.11	40.66	43.8
12081	21.01	31.5	35.88	38.18	41.76	45.26
12101	10.89	14.77	17.36	16.15	15.21	15.2
12111	25.31	34.2	38.05	39.35	38.13	38.04
12121	24.96	34.94	39.63	40.05	38.77	37.01
12131	59.53	88.79	101.32	110.71	120.57	129.25
12141	3.96	9.68	9.73	9.61	9.12	8.54
12151	11.67	17.56	19.55	21.29	22.56	23.67
12161	11.25	17.05	18.61	19.28	19.31	19.19
12171	6.58	8.06	8.44	8.18	7.58	7.01
12181	2.04	1.84	1.65	1.5	1.54	1.95
12191	3.15	3.65	3.97	4.62	5.17	5.54
12201	4	3.95	5.09	5.76	6.56	7.93
12211	4.89	5.39	5.13	5.49	7.04	8.28
12221	5.02	5.92	6.45	6.88	7.22	7.45
12231	2.36	2.71	2.73	2.25	1.84	1.94
12232	0	0	0	2.4	5.47	6.59
12233	2.36	2.72	2.74	4.22	6.54	7.06
12241	6.26	6.14	6.16	6.41	6.93	7.15
12251	15.18	17.53	16.95	19.32	36.82	36.12
12261	15.9	18.77	18.06	20.88	37	36.21
12281	28.09	44.42	54.19	64.17	69.83	73.87
12291	24.37	38.07	45.81	50.02	50.83	48.54
12301	38.66	47.93	50.93	59.03	55.71	50.68
12311	55.74	72.97	80.32	84.53	85.01	84.26
12321	60.72	80.18	87.35	94.95	97.23	97.8
12341	28.36	45.32	55.94	56.04	48.67	44.16
12351	60.31	95.92	108.72	115.09	120.41	121.51
12361	60.36	95.94	108.88	114.62	119.16	119.71
12371	83.9	133.74	155.6	171.49	187.07	196.89
12391	16.72	26.95	32.88	39.72	47.53	54.79
12401	75.72	98.59	108.8	118.46	124.05	126.91
12411	135.78	200.6	226.14	246.95	266.5	284.33
12421	18.99	30.18	36.86	44.65	52.85	59.74
12431	18.62	29.62	35.76	43.51	51.51	58.01
12441	159.42	251.19	284.82	315.21	339.97	355.88
12461	30.83	52.65	54.24	55.02	53.95	52.75
12471	31.16	52.15	53.44	50.87	46.77	42.24
12481	59.87	91.8	97.76	102.78	107.62	107.72
12501	24.48	39.14	47.46	56.86	66.96	74.85

**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)
12511	8.64	14.26	17.49	21.01	24.52	27.89
12541	32.5	52.87	64.78	67.66	70.73	74.96
12551	29.06	47.48	55.79	62.74	69.48	79.44
12561	23.46	38.39	43.16	49.22	53.93	61.88
12571	32.07	51.1	59.64	64.17	71.85	79.8
12591	24.92	38.72	43.56	45.28	49.36	54.49
12601	31.63	49.45	58.87	67.15	69.29	70.65
12611	30.99	48.73	57.27	67.88	68.24	63.93
12621	32.08	51.33	61.84	69.36	68.41	64.11
12631	75.9	121.32	144.74	158.81	168.8	177.18
12651	93.22	149.25	179.02	201.13	219.19	234.83
12661	69.52	86.78	94.47	104.64	116.62	126.51
12662	73.55	91.63	96.33	103.24	112.69	116.76
12671	11.28	17.63	21.01	23.99	27.36	31.27
12681	17.77	28.06	33.95	40.25	46.63	53.77
12691	60.91	74.22	80.4	85.98	91.37	95.05
12711	8.77	10.68	11.87	13.21	14.66	15.97
12721	8.02	10.27	12.08	14.38	17.08	18.48
12731	14.41	22.01	25.98	30.47	36.25	37.42
12741	25.63	39.63	45.04	51.91	59.66	63.99
12751	54.76	87.31	102.66	118.41	133.58	146.88
12761	53.96	84.75	98.08	112.51	126.93	139.5
12771	8.62	13.43	12.7	11.08	9.36	8.11
12781	27.49	40.11	43.82	47.1	47.54	47.7
12791	27.18	39.56	43.33	45.55	45.21	44.27
12801	56.08	66.69	71.44	77.63	83.66	85.39
12821	14.29	22.61	27.14	30.82	33.29	37.45
12831	13.92	21.44	25.25	27.87	29.05	32.99
12851	17.1	26.75	32	37.69	42.29	51.73
12861	16.98	25.29	29.72	32.73	38.55	52.12
12871	41.89	61.46	72.56	83.23	98.99	112.48
12881	39.48	58.87	69.35	79.78	95.26	108.07
12901	86.94	104.25	106.53	107.31	109.33	112.1
12921	8.21	7.71	7.51	7.15	6.33	5.66
12931	14.91	21.88	24.73	27.57	29.86	29.61
12932	14.91	21.87	24.71	27.55	29.76	29.56
12941	14.91	21.83	24.69	27.54	29.76	29.56
12951	14.9	21.76	24.66	27.43	29.44	29.64
12961	14.88	21.78	24.6	27.31	29.06	30.34
12971	17.46	27.2	31.05	34.32	37.8	48.81
12981	16.8	25.22	28.53	31.34	37.51	48.54
12991	18.66	28.92	33.3	38.07	46.58	60.92
13011	11.94	18.79	22.98	27.62	32.8	37.68

**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)
13021	22.32	35.97	43.54	52.72	62.8	72.06
13031	11.25	18.14	22.17	26.8	32	36.79
13041	11.25	18.14	22.18	26.81	31.88	36.39
13061	49.4	60.83	60.29	57.87	58.85	60.78
13071	46.08	47.93	47.86	47.79	47.34	46.29
13081	45.91	44.96	43.92	43.54	43.79	41.7
13091	65.69	78.48	82.94	87.23	92.74	96.6
13101	30.28	48.6	59.16	71.77	85.45	97.87
13111	38.34	55.1	65.8	76.18	86.07	84.76
13131	3.29	5.27	6.42	7.44	8.69	10.02
13151	40.33	62.67	71.37	75.35	74.41	72.69
13161	38.22	56.55	60.45	57.6	54.74	52.17
13171	67.73	103.7	115.02	117.6	118.98	116.49
13181	88.62	138.79	160.64	170.28	179.65	179.16
13211	77.89	128.2	157.48	191.75	229.99	264.96
13221	66.68	113.2	135.61	158.16	175.23	184.57
13222	66.61	103.91	104.61	103.99	102.04	99.9
13223	0	16.22	43.9	72.18	92.3	101.11
13224	66.52	112.86	135.27	157.75	174.68	183.81
13231	131.91	195.84	230.77	272.35	301.24	330.86
13241	132.83	197.25	232.46	274.36	303.44	333.43
13251	19.31	30.89	38.4	46.43	48.85	49.95
13261	18.25	29.48	37.26	45.22	47.97	46.59
13271	19.86	32.73	38.55	46.79	48.5	46.87
13281	27.23	42.9	46.49	48.43	46.75	45.93
13291	61.85	100.04	108.39	115.99	120.75	123.2
13301	61.38	99.17	107.15	114.55	118.9	121.27
13321	16.5	24.46	28.87	32.51	33.2	33.18
13331	15.65	23.77	26.92	29.57	27.84	26.23
13341	15.68	23.95	26.25	29.7	28.22	26.66
13351	29.57	46.31	52.92	58.21	64.69	68.99
13361	135.34	200.99	236.84	279.03	308.87	337.94
13391	47.73	75.28	90.7	108.55	121.1	120.46
13401	57.43	90.62	109.36	130.97	147.17	148.09
13411	45.21	59.49	64.46	70.51	75.3	74.94
13421	45.01	59.39	64.46	70.51	75.3	74.94
13441	62.52	92.91	105.87	117.95	122.42	130.28
13461	38.21	47.91	53.1	57.15	60.34	61.55
13462	38.18	45.49	41.63	40.37	39.02	38.5
13463	0	2.52	17.64	29.68	38.94	44.3
13471	38.17	47.88	53.07	57.1	60.24	61.53
13481	32.95	47.06	54.49	56.04	55.65	54.88
13491	40.32	57.29	66.16	67.55	68.52	69.24

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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)
13501	11.8	19.11	21.18	21.29	21.13	20.78
13502	11.76	18.97	20.62	20.44	20.09	19.89
13521	25.99	42.54	52.05	62.73	74.71	84.54
13531	26.19	42.81	52.35	63.06	74.75	84.55
13541	38.54	62.46	76.15	91.6	108.76	123.52
13551	38.51	62.29	75.82	91.02	107.79	122.04
13561	31.52	49.69	60.34	72.19	85.53	91.3
13571	147.99	220.59	260.44	301.17	341.96	375.32
13591	10.07	12.67	13.7	14.45	15.08	16.17
13601	7.81	10.84	12.82	14.86	16.83	18.23
13611	8.83	11.29	13	14.93	16.9	18.51
13621	36.33	56.88	67.69	79.63	94.05	107.58
13631	44.26	74.06	90.78	110	131.86	151.62
13651	27.27	43.61	52.95	63.84	76.11	87.38
13661	61.17	102.55	126.37	153.18	182.94	208.78
13671	61.13	102.27	125.75	152.05	180.99	205.5
13681	60.52	100.45	123.17	148.68	176.44	198.75
13691	59.54	93.96	116.13	141.29	166.46	186.94
13701	4.27	16.17	24.15	28.23	33.04	35.4
13711	15.96	37.55	51.74	62.56	71.86	78.72
13721	148.02	220.66	260.51	301.23	342.09	375.48
13731	149.18	222.72	263.05	303.39	346.19	380.41
13741	149.23	222.82	263.17	303.49	346.4	380.66
13751	156.06	234.68	278.75	321.21	369.22	408.49
13771	156.82	236.44	280.22	323.39	372.26	412.11
13791	157.01	236.85	280.6	323.96	373.02	412.94
13801	40.66	48.32	43.76	43.73	46.71	46.79
13811	38.02	40.8	39.09	37.33	38.23	38.45
13821	70.68	86.5	92.02	95.05	98.06	99
13831	82.97	106.14	115.64	122.86	131.93	138.91
13851	52.03	67.85	74.05	80.76	84.73	90.16
13861	37.79	75.08	91.89	106.2	122.28	124.1
13871	40.99	61.99	72.84	84.09	85.36	85.06
13881	40.21	58.79	67.78	72.48	71.05	68.44
13891	51.66	98.38	126.24	151.31	186.87	205.38
13901	74.3	138.42	172.62	212.4	255.1	288.3
13911	73.45	135.91	169.02	206.86	247.44	277.78
13921	24.01	56.56	74.23	92.1	109.12	120.37
13931	59.52	94.61	114.81	140.1	165.55	192.58
13951	69.55	115.29	142.66	174.67	209.17	241.08
13971	2.68	3.04	3.88	4.61	4.88	5.09
13981	42.85	68.01	82.65	99.74	119.51	138.03
13991	13	16.86	18.61	19.81	20.28	20.15

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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)
14001	2.37	7.44	9.97	11.83	12.92	17.44
14011	4.49	9.95	14.86	20.79	24.28	26.52
14021	38.25	59.43	71.16	84.27	97.82	101.72
14031	37.79	57.71	68.87	81.59	94.58	97.46
14041	34.04	52.79	62.75	74.71	85.89	87.7
14051	67.42	101.49	120.09	142.99	169.11	188.48
14061	62.17	93.3	110.8	132.79	157.06	175.09
14071	48.94	73	89.24	109.89	130.33	143.65
14081	20.69	32.44	38.67	44.88	53.06	60.14
14091	86.99	140.01	175.06	214.53	258.92	297.69
14101	41.11	77.01	106.61	139.88	173.14	202.44
14121	179.23	271.93	327.82	389.11	449.87	504.38
14151	27.37	37.44	38.26	38.43	38.26	37.85
14161	26.98	36.49	35.82	33.54	31.22	29.65
14171	40.47	55.83	59.25	61.84	63.22	64.61
14172	40.41	55.56	58.69	60.96	61.35	62.31
14181	40.4	55.45	58.42	60.52	60.81	61.77
14191	12.93	20.47	24.85	30.05	35.97	41.37
14201	179.86	273.1	329.65	391.39	452.56	507.6
14211	40.2	54.94	57.62	59.56	60.05	61.67
14221	182.96	278.63	336.77	399.79	461.82	517.49
14231	183.25	279.16	337.44	400.54	462.32	517.89
14241	184.02	280.58	339.33	402.7	464.64	520.33
14251	186.42	284.78	344.87	408.95	471.33	527.3
14261	71.81	109.52	128.61	147.14	164.03	180.42
14271	67.4	90.96	95.31	101.45	108.89	114.88
14281	67.24	90.91	95.29	101.45	108.89	114.87
14291	66.65	88.53	91.22	98.74	105.9	111.7
14301	186.58	285.15	345.48	410.13	472.76	529.08
14331	75.5	111.14	122.49	148.11	146.48	150.29
14341	71	90.24	116.65	148.72	145.95	142.82
14351	20.35	31.96	38.78	46.84	53.5	59.84
14361	109.73	139.74	177.25	246.45	272.7	285.26
14371	158.64	201.77	216.03	216.95	216.31	215.68
14381	10.37	17.51	18.69	18.86	18.87	18.85
14391	168.56	216.7	232.14	232.97	232.4	231.85
14411	6.31	10.09	12.27	14.75	17.54	20.04
14421	6.14	10.27	12.26	13.25	15.48	17.3
14431	22.84	35.3	37.12	37.52	36.69	35.66
14451	21.69	31.15	32.06	36.06	37.66	37.62
14471	48.86	70.81	74.09	76.84	78.12	78.31
14481	48.35	67.92	68.89	70.22	69.98	69.24
14491	62.88	88.76	92.15	93.62	92.83	91.26



**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)
14501	63.34	71.55	75	82.22	77.92	75.03
14511	67.37	75.74	75.67	70.99	99.17	81.42
14521	79.58	91.83	98.88	100.84	99.99	99.06
14531	79.42	91.04	97.82	100.56	100.48	99.79
14551	211.66	335.42	417.72	493.41	580.98	661.54
14581	53.97	86.24	113.17	116.21	116.23	116.76
14591	51.35	77.25	76.66	75.03	73.36	72.04
14601	221.14	354.98	436.95	513.82	600.86	677.63
14611	17.28	26.43	28.99	33.61	33.74	33.54
14621	226.49	361.85	443.78	523.63	607.75	682.72
14631	17.53	19.05	18.49	18.55	18.78	18.71
14632	22.43	24.46	25.58	26.81	28.09	29.14
14641	223.96	361.54	443.46	523.19	607.43	682.56
14651	31.71	39.18	43.39	48.15	53.41	58.11
14661	30.65	38.93	43.33	48.21	53.55	58.28
14681	214.05	337.2	417.71	508.03	602.97	689.33
14682	62.52	69.62	79.25	93.95	108.62	121.24
14683	0	44.58	57.44	72.49	89.11	104.45
14684	53.58	66.54	78.31	93.14	108.03	120.95
14685	0	47.66	60.74	76.02	92.57	108.47
14686	46.67	59.76	70.98	86.21	102.32	117.11
14687	51.31	59.76	70.98	86.21	102.32	117.11
14691	214.02	337.19	417.71	508.06	603.01	689.37
14711	216.05	341.05	422.88	514.76	612.47	701.36
14741	25.04	39.77	48.58	58.41	67.86	67.92
14761	216	341	422.9	514.86	612.59	701.48
14771	216.72	342.05	424.47	517.03	615.74	705.43
14791	217.83	343.57	426.62	519.83	619.05	709.13
14801	218.55	343.8	426.88	520.9	620.46	710.86
14821	9.61	10.04	10.01	10.02	10.04	10.04
14831	8.51	9.59	9.72	9.78	9.76	9.73
14841	6.33	8.9	10.43	12.08	12.97	12.98
14851	14.76	17.66	19.12	20.85	21.91	22
14861	12.81	16.03	17.88	19.83	21.59	23.51
14881	65.93	78.63	95.5	115.08	136.98	156.78
14891	15.05	23.8	28.62	34.24	40.41	46.47
14901	28.84	46.09	55.05	65.88	78.95	91.69
14911	7.43	9.75	10.98	12.49	13.58	13.6
14921	2.65	3.03	3.21	3.31	3.33	3.33
14922	30.16	44.07	50.04	62.86	80.39	96.36
14923	29.9	42.96	48.05	62.8	80.37	81.19
14931	21.88	30.5	34.25	37.3	38.01	37.61
14941	22.01	30.52	34.26	37.31	38.01	37.62

**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)
14951	29.34	40.74	44.36	47.46	50.54	55.43
14961	46.73	58.62	63.35	65.56	67.39	67.45
14981	63.12	79.17	84.69	90.16	95.47	96.15
14991	63.28	79.41	85.12	90.31	95.53	96.15
15001	71.09	93.13	102.69	111.44	119.39	124.3
15011	70.76	92.21	101.5	109.92	116.93	120.07
15021	75.63	100.2	111.78	122.51	131.7	137.21
15051	20.12	30.84	35.22	37.22	38.2	38.85
15052	0	0	3.55	14.17	17.8	18.23
15061	20.12	30.6	37.92	49.48	53.54	54.04
15081	19.4	29.76	36.67	47.33	53.73	54.73
15091	19.17	29.48	36.34	47.08	54.08	55.64
15111	19.01	29.47	37.37	48.81	56.56	60.01
15121	55.45	87.79	101.53	121.58	147.4	170.97
15131	40.1	66.04	66.74	68.75	68.67	67.21
15132	39.35	59.38	63.17	64.55	63.6	60.81
15141	135.62	193.13	200.29	200.9	197.85	195.69
15151	130.77	166.02	175.08	178.72	180.11	180.11
15161	156.33	204.05	210.39	212.03	211.66	210.17
15171	151.71	187.99	189.98	191.28	192.33	194.49
15181	151.4	187.22	189.23	190.51	192	194.14
15211	35.31	54.08	63.86	80.21	92.51	104.62
15221	31.68	47.87	56.13	72.38	93.23	93.43
15231	28.33	42.8	50.03	56.88	58.07	58.23
15241	26.36	40.56	47.81	50.91	51.24	51.59
15251	58.31	91.15	109.91	127.61	143.78	159.03
15281	23.56	38.56	39.43	40.47	38.25	37.98
15291	21.93	34.05	34.63	34.92	35.11	35.12
15301	19.62	32.74	35.81	36.64	36.59	36.07
15311	76.57	119.59	138.33	158.05	178.12	196.51
15321	68.46	109.96	128.33	147.66	168.27	187.05
15331	13.03	19.37	22.97	27.5	29.84	30.1
15341	11.17	16.19	20.89	24.57	25.08	24.99
15351	7.51	12.61	17.72	22.16	24.39	25.28
15361	73.2	122.43	145.65	169.59	191	211.15
15381	32.37	51.5	60.35	62.69	64.45	64.25
15391	32.96	50.78	61.12	61.65	61.79	61.86
15401	77.21	129.85	155.34	180.68	203.28	225.82
15411	92.2	158.54	193.04	236.06	264.09	286.68
15421	16.61	26.32	32.29	39.21	47.11	54.38
15431	16.6	26.28	32.23	39.16	47.07	54.34
15441	99.08	166.26	202.72	244.88	275.54	299.93
15461	15.68	22.95	23.25	23.5	23.67	23.98

**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)
15471	30.21	40.1	42.57	45.13	44.92	45
15481	30.36	40.29	42.77	45.2	44.97	45.09
15491	37.73	51.83	56.22	59.36	60.39	60.55
15501	32.27	42.2	44.61	46.69	46.73	46.55
15511	241.7	365.96	400.85	437.71	467	487.46
15531	20.38	32.54	39.43	47.25	55.99	63.9
15541	20.17	32.15	39.04	46.86	55.59	63.95
15551	236.25	339.88	360.88	384.09	409.81	425.38
15571	17.96	24.97	28.43	31.67	32.35	32.61
15581	28.66	40.47	46.1	47.71	49.7	50.96
15591	38.04	54.54	62.36	69.96	76.87	83.08
15601	203.1	297.3	337.15	374.58	409.15	433.98
15621	15.16	23.97	28.95	34.73	41.98	40
15631	15.71	24.72	29.25	34.39	41.17	35.12
15641	18.5	19.28	19.34	19.56	19.85	20.04
15651	29.28	34.26	36.61	38	38.17	38.12
15661	27.7	32.04	34.03	35.27	35.51	35.6
15671	28.57	32.29	33.64	33.42	33.93	33.43
15681	210.27	319.26	365.48	407.06	433.68	468.91
15701	14.54	24	26.06	26.46	26.62	26.56
15711	14	23.35	25.28	25.35	25.46	25.58
15721	12.05	15.28	15.5	15.58	15.6	15.63
15741	24.41	32	34.51	35.88	37.01	38.12
15751	33.98	47.53	52.87	57.79	62.84	66.75
15761	33.29	46.98	52.41	57.02	61.53	65.27
15771	44.43	67.63	75.99	85.35	94.7	103.66
15781	44.35	66.51	75.69	84.97	94.23	103.13
15791	225.92	343.16	404.37	454.84	496.52	529.42
15801	228.85	347.8	408.83	462.39	503.27	542.46
15821	2.73	4.57	5.18	6.36	7.83	9.21
15831	2.36	3.95	4.9	6.05	7.62	9.16
15841	236.88	359.16	421.45	474.31	512.98	558.51
15851	7.16	11.38	13.52	15.88	17.89	19
15861	7.08	11.25	13.47	15.32	17.84	18.76
15871	19.57	31.14	37.54	42.57	45.46	46.27
15881	19.39	30.9	36.01	39.82	41.53	42.71
15891	37.48	57.79	65.6	74.09	80.05	85.1
15901	36.79	56.9	65.16	72.31	76.64	81.57
15921	36.77	57.15	65.6	72.81	76.79	82.08
15931	44.74	69.81	79.72	89.3	95.48	102.34
15941	44.7	69.7	79.54	89.03	94.78	102.33
15951	44.45	69.28	79.06	88.48	94.19	101.71
15961	285.61	437.21	516.51	585.27	655.04	708.64

**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)
15971	288.5	439.98	518.86	587.65	657.56	711.35
15991	294.72	446.44	524.65	593.97	663.74	717.88
16001	23.12	33.97	43.94	53.5	53.58	53.58
16011	22.73	25.91	27.24	28.01	28.36	27.61
16021	16.51	21.97	21.29	21.35	21.42	21.48
16031	13.78	15.29	14.73	14.8	15.18	15.23
16041	29.66	31.07	31.64	31.6	31.61	31.18
16051	10.01	13.3	17.47	20.1	20.31	20.44
16061	30.17	30.38	30.86	32.43	33.68	34.38
16071	32.11	31.97	33.42	34.5	35.2	35.47
16091	32.73	32.46	33.64	34.74	35.35	35.57
16111	42.72	48.68	50.97	50.86	51.01	50.78
16121	42.8	48.65	50.97	50.88	51.04	50.78
16131	42.82	48.63	50.96	50.88	51.16	50.78
16141	13.02	13.71	13.61	13.58	13.79	13.87
16151	53.36	58.4	60.85	63.91	63.98	64.05
16161	53.7	59.01	61.63	64.75	64.94	65.11
16171	60.88	71.93	78.4	86.17	92	96.93
16181	58.17	67.72	73.54	79.93	84.46	88.38
16221	368.22	539.12	623.38	701.05	784.56	849.32
16241	383.57	554.38	638.85	715.87	799.12	863.83
16251	413.58	590.32	678.59	759.84	847.48	917.65
16271	454.38	639.11	725.83	819.66	912.42	990.48
16281	619.23	908.83	1062.27	1232.9	1411.99	1566.85
16291	645.15	941.82	1097.58	1272.16	1454.52	1613.39
16301	668.24	969.19	1124.59	1299.88	1482.06	1640.6
16311	704.29	1008.73	1171.58	1350.49	1535.51	1697.86
16321	775.36	1100.08	1274.54	1463.52	1657.45	1830.84
16341	8.61	19.04	19.14	19.19	19.25	19.85
16361	22.79	29.39	29.7	29.44	28.64	29.09
16371	21.14	23.43	23.62	23.8	24.02	25.37
16381	0.42	0.91	1.09	1.23	1.44	1.29
16391	11.15	16.29	17.51	18.29	18.93	19.5
16392	7.33	10.66	11.49	12.02	12.45	12.82
16411	11.56	18.89	18.95	18.96	18.96	18.95
16421	21.12	38.46	42.45	44.98	46.86	48.33
16431	27.06	47.39	52.06	69.16	70.42	70.61
16441	46.93	53.41	56.75	58.98	60.61	62.13
16451	42.35	53.96	57.19	59.35	60.98	62.48
16471	59.92	63.24	63.18	63.5	64.36	65.65
16481	79.49	96.4	102.17	109.16	114.82	117.09
16491	73.23	89.99	93.69	97.7	101.55	102.53
16501	71.85	86.52	89.5	92.55	95.58	95.19

**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)
16511	71.33	84.53	86.8	89.32	91.76	90.91
16531	0	0.7	0.91	1.07	1.16	1.15
16541	1.67	2.74	3.49	4.09	4.55	4.8
16551	3.43	4.91	5.84	6.89	7.81	8.36
16581	16.6	25.15	26	25.98	26.12	27.44
16601	27.89	42.15	44.86	46.98	47.93	47.97
16611	26.19	39.56	41.46	42.78	42.59	42.39
16621	99.18	126.93	136.64	141.9	148.08	153.57
16631	17.93	25.4	26.6	26.68	26.58	26.42
16641	16.29	22.89	22.66	22.19	23.07	24.01
16661	100.46	128.93	145.91	152.64	154.75	160.2
16671	11.56	18.47	22.35	26.33	28.97	29.52
16681	9.98	16.17	19.7	22.74	23.27	23.12
16691	113.58	150.62	172.97	184.49	197.31	206.55
16711	23.19	34.42	40.5	44.77	46.35	46.21
16721	19.52	26.45	27.98	29.02	29.6	30.3
16731	18.93	24.32	25.44	27.36	29.27	31.08
16741	27.76	38.43	39.3	41.72	42.88	44.61
16751	27.68	35.09	35.62	36.52	40.88	44.86
16761	28.66	37.24	38.23	37.05	41.52	45.39
16771	45.19	63.59	70.69	73.92	74.81	73.63
16801	61.11	88.17	101.58	112.4	122.57	128.38
16811	59.21	85.05	98.54	108.78	118.28	121.74
16821	56.9	82.54	96.8	104.8	114.05	116.7
16841	75.33	111.75	132.59	152.12	171.41	184.58
16851	73.22	109.17	129.89	149.13	168.04	180.99
16861	71.29	106.94	127.66	146.11	164.73	177.34
16881	158.23	218.83	244.95	264.54	284.36	298.63
16901	87.52	116.46	129.9	140.55	151.11	159.05
16902	80.13	116.29	129.76	140.45	151.07	159.11
16911	16.87	25.33	27.17	26.41	27.44	27.67
16912	23.7	37.34	37.84	36.26	43.42	46.15
16913	25.45	38.86	39.21	45.15	53.39	53.31
16921	26.64	41.89	50.75	62.93	69.63	70.98
16951	178.2	249.59	278.6	303.23	328.08	347.4
16971	91.14	138.27	159.58	182	195.32	203.76
16981	178.19	249.91	279.05	303.71	328.89	348.6
17061	13.87	22.05	26.76	32.19	38.4	44.5
17091	20.21	32.25	39.19	47.53	56.7	65.21
17101	20.08	32.1	39.07	47.27	56.29	65.24
17111	20	32.01	38.96	47.11	55.68	64.31
17121	14.84	21.9	25.33	29.05	33.14	36.15
17122	243.9	368.17	428.03	492.78	564.08	616.65

**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)
17123	258.74	390.08	453.37	521.83	597.23	652.81
17131	259.29	389.98	453.51	522.25	596.85	652.14
17171	16.26	25.8	29.73	34.97	40.8	40.95
17181	16.61	26.31	29.66	34.87	40.7	40.94
17191	266.86	400.57	467.26	544.14	625.93	690.78
17201	9.67	15.59	19.07	20.5	24.53	28.08
17211	8.64	10.26	12.11	17.9	24.41	28.8
17221	7.75	11.04	13.31	15.05	15.04	15.04
17231	3.8	6.44	6.59	6.53	6.46	6.47
17241	9.57	16.99	18.42	19.14	19.06	18.44
17251	9.19	18.07	18.9	19.24	19.17	18.68
17252	9.74	21.59	24.99	28.03	30.7	32.87
17261	5.98	8.97	8.98	8.99	9.02	9.04
17271	4.55	9.66	9.09	8.36	7.57	6.85
17281	5.04	8.98	9.1	9.26	8.66	8.64
17291	3.55	9.09	9.05	9.65	8.98	7.52
17301	12.1	22.72	23.35	23.25	23.08	23.02
17311	18.47	43.38	46.8	49.85	52.29	53.73
17321	5.04	8.83	8.77	8.81	8.73	8.67
17331	3.26	9.2	9.36	8.81	8.49	8.6
17341	2.8	6.52	7	6.9	6.52	7.16
17351	56.29	53.77	57.94	56.75	58.45	64.18
17361	5.85	11.13	11.08	10.82	10.64	10.58
17371	2.19	4.01	4.35	4.21	3.92	4.62
17372	2.97	8.19	8.39	8.77	9.18	9.18
17381	5.19	10.92	11.7	12.72	13.82	14.08
17391	6.35	6.34	5.71	6.06	6.36	6.71
17401	6.26	6.64	6.01	5.36	5.47	5.84
17411	2.88	4.65	5.69	7.45	8.4	9.78
17421	6.18	6.91	7.55	7.51	7.18	7.07
17431	24.51	25.44	26.29	27.41	28.75	29.98
17441	17.67	17.35	17.34	17.35	17.12	17.23
17442	7.35	9.38	10.55	11.86	13.29	14.4
17451	25.58	25.39	26.21	27.32	28.67	29.95
17461	3.43	6.96	8.97	9.3	8.81	8.76
17471	31.17	34.42	34.42	34.42	34.42	34.42
17481	49.26	54.98	60.04	65.03	73.83	82.79
17491	21.28	16.5	16.56	16.69	16.85	17.13
17501	16.16	16.44	16.56	16.69	16.83	16.95
17511	16.16	16.44	16.56	16.69	16.83	16.96
17521	25.21	31.12	33.59	36.04	37.97	39.35
17531	23.6	28.47	30.3	31.68	32.36	33.21
17541	23.58	28.5	30.29	31.64	32.48	33.38

**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)
17551	23.68	28.74	30.64	32.04	33.41	34.58
17571	2.93	4.67	5.69	6.9	8.7	10.38
17581	2.65	4.29	5.19	5.88	6.98	7.23
17591	2	3.97	5.25	6.78	8.67	8.88
17601	8.92	14.2	16.54	18.92	22.22	26.58
17611	8.65	13.59	16.19	18.93	22.22	26.59
17621	8.02	13.22	16.12	18.91	22.22	26.59
17641	10.39	16.79	20.54	24.99	30.39	35.02
17651	2.49	2.73	2.54	3.32	4.8	10.64
17652	8.74	12.42	14.32	16.48	19.79	26.04
17661	7.01	13.28	17.5	21.44	26.11	34.88
17681	21.8	32.91	38.01	43.11	49.1	51.03
17691	19.67	29.59	32.76	36.27	49.49	51.29
17701	18.55	28.05	32.9	38.39	50.21	51.77
17741	16.73	25.9	29.53	33.35	37.46	39.67
17742	16.21	23.48	25.54	28.89	31.3	31.25
17751	15.88	21.84	23.87	28.89	31.3	31.25
17761	13.91	19.68	23.7	28.1	31.93	31.45
17771	35.75	53.39	62.59	73.72	77.1	78.43
17781	35.59	53.78	63.8	75.37	78.14	78.91
17801	42.81	65.56	77.9	91.91	99.66	104.08
17811	42.93	65.8	77.99	91.92	99.66	104.08
17821	21.77	32.63	38.2	44.48	48.13	50.17
17822	21.45	33.68	40.29	47.97	51.54	53.92
17831	26.51	44.61	53.93	63.74	74.13	80.79
17841	56.18	89.84	107.55	127.14	145.75	157.23
17851	56.26	90.02	107.86	127.6	146.32	157.7
17861	56.49	90.44	108.49	128.42	147.37	158.52
17871	70.68	116.16	141.02	168.55	198.96	220.6
17881	70.23	115.25	140.17	167.72	198	219.95
17891	70.13	115.09	140.17	167.68	197.8	219.78
17901	70.15	115.26	140.39	167.76	197.87	219.69
17931	15.1	22.45	25.93	28.44	28.91	29.04
17941	80.79	136.02	166.43	196.06	225.34	246.69
17961	91.01	166.31	199.15	226.65	255.09	283.43
17981	105.42	180.91	227.54	280.32	330.16	370.79
17991	122.44	189.29	235.76	282.86	326.03	362.31
18001	388.01	589.03	698.13	821.27	943.22	1041.93
18021	390.49	588.44	696.07	815.96	936.69	1034.16
18031	396.17	593.63	700.88	819.28	939.32	1036.31
18041	53.19	85.27	102.56	123.53	147.4	169.19
18042	52.7	83.06	99.81	119.66	142.13	162.5
18051	85.07	132.96	160.28	191.4	226.44	257.87

**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)
18061	114.03	179.4	216.61	258.39	304.8	346.34
18071	111.24	175.92	212.76	253.94	299.4	339.71
18081	110.47	174.98	211.82	253.01	298.46	338.76
18091	108.77	173.52	210.27	250.62	295.26	335.09
18101	105.35	169	201.69	237.6	279.81	318.89
18111	509.15	758.41	906.73	1071.73	1244.58	1392.17
18121	529.13	782.38	927.94	1090.66	1261.44	1405.77
18131	9.04	14.13	16.37	19.04	22.14	24.94
18151	17.21	24.71	29.21	32.6	33.79	34.07
18161	16.47	23.8	27.87	30.92	31.32	31.4
18171	16.91	24.65	29.11	32.07	31.93	32.09
18181	17.27	25.06	29.47	32.27	32.02	32.12
18191	28.33	41.96	49.12	56.88	62.84	67.77
18201	28.27	41.87	49.05	56.78	62.73	67.67
18211	28.24	41.84	49.03	56.75	62.69	67.63
18231	575.46	851.24	1009.87	1185.76	1366.01	1521.68
18241	628.73	922.17	1088.19	1261.72	1442.63	1597.69
18281	6.71	10.82	13.21	15.98	19.13	22.07
18301	1497.59	2137.08	2481.23	2842.27	3225.3	3544.96
18311	1557.13	2215.38	2570.05	2939.11	3329.26	3654.9
18321	36.88	54.81	58.92	60.52	61.12	61.14
18322	37.25	56.35	59.75	58.86	56.54	56.62
18341	55.17	75.49	79.39	83.59	84.39	83.71
18361	89.03	119.9	127.23	132.79	135.8	136.74
18371	88.98	121.35	128.17	134.3	135.05	136.53
18401	25.51	44.55	46.3	45.78	43	44.37
18411	29.34	43.69	43.82	44.04	43.71	43.79
18451	93.69	169.3	193.37	215	216.21	215.41
18461	77	98.48	99.37	100.19	101.08	101.85
18471	75.27	81.35	81.47	81.99	82.7	83.42
18481	79.97	85.07	85.79	86.77	87.28	87.54
18491	80.05	84.7	85.27	86.1	86.65	86.92
18501	80.99	85.45	85.83	86.24	86.53	86.74
18521	1726.9	2428.85	2805.13	3195.4	3607.82	3953.92
18541	13.02	18.86	20.17	24.66	26.2	26.9
18551	22.7	31.07	32.76	43.11	49.63	50.2
18561	19.68	23.58	33.81	43.55	49.78	50.29
18571	17.18	22.62	36.28	44.5	49.99	50.41
18591	47.02	62.37	64.93	67.06	67.72	68.38
18601	47.97	63.93	66.67	67.81	68.46	68.83
18631	4.15	5.72	14.61	16.65	17.44	17.88
18632	9.21	12.62	23.67	29.88	32.78	34.53
18633	14.93	20.46	29.7	34.55	36.81	38.19



**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)
18641	21.13	32.92	38.26	44.31	50.31	53.49
18651	20.77	32.32	38.18	43.18	48.63	50.91
18661	38.75	61.05	71.67	83.34	90.33	93.95
18671	39.11	61.19	71.56	82.16	87.45	91.97
18681	39.28	61.38	71.87	83.28	89.97	95.97
18751	25.85	41.35	50.75	62.39	74.61	82.39
18761	62.29	86.2	98.7	108.3	113.98	114.71
18791	62.52	87.24	99.81	109.81	114.8	114.92
18801	70.05	104.51	121.79	138.94	152.21	157.9
18811	69.82	104.32	121.53	138.66	152.18	157.82
18821	58.79	92.78	109.73	126.89	140.14	153.64
18841	1860.29	2615.06	3018.79	3430.74	3867.06	4237.69
18851	58.82	92.66	109.55	126.71	143.93	156.6
18861	58.9	92.72	109.59	126.77	145.98	160.29
18871	18.14	29.29	35.74	43.14	51.64	53.39
18881	36.38	57.23	67.31	80.29	93.67	95.92
18891	106.91	167.07	203.2	243.36	283.59	316.29
18901	1941.37	2721.83	3141.43	3562.93	4008.27	4392.34
18911	2110.78	2965.47	3429.25	3901.23	4408.29	4840.75
18921	12.23	14.86	14.86	14.86	14.86	14.86
18931	12.08	16.24	16.5	16.75	17.04	17.28
18941	15.73	23.45	26.54	27.62	27.58	28.7
18951	15.46	19.5	21.73	26.01	26.38	26.72
18961	14.39	17.57	36.03	41.03	44.08	46.39
18971	24.32	35.24	48.94	55.92	58.6	60.97
18981	28.64	40.13	52.85	59.33	61.6	63.48
18991	31.1	42.96	53.43	59.62	61.83	63.69
19001	40	52.66	61.56	65.91	67.42	68.63
19021	55.73	71.51	76.9	80.15	80.73	81.12
19031	78.28	102.36	108.46	123.02	128.13	128.16
19051	112.97	161.64	183.72	186.19	187.23	187.55
19061	125.31	177.96	203.06	210.01	215.31	219.89
19071	125.42	178.08	202.93	209.81	215.44	219.81
19091	143.99	206.63	237.52	252.76	268.8	281.01
19121	2296.93	3231.1	3729.56	4261.76	4791.39	5247.86
19131	2353.39	3311.68	3820.87	4372.2	4912.22	5379.04
19231	23.95	37.75	45.57	53.55	61.91	62.61
19241	35.86	56.59	67.5	81.04	94.16	102.69
19251	35.84	56.57	67.43	80.96	94.18	102.84
19261	35.47	56.54	67.31	80.76	94.07	102.15
19271	36.67	58.05	68.81	81.88	95.38	100.77
19311	26.35	41.81	50.62	61.27	66.9	68.11
19321	26.1	41.47	49.71	58.46	58.54	58.6

**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)
19331	26.04	41.61	49.66	58.45	58.53	58.6
19341	26.04	41.43	49.64	58.45	58.53	58.6
19351	2397.66	3381.6	3902.57	4467.57	5020.32	5524.19
19361	2425.48	3426.89	3952	4522.25	5075.59	5583.43
19371	11.54	18.5	22.6	27.59	33.09	38.21
19381	11.52	18.46	22.77	27.62	33.05	38.1
19391	30.41	48.6	59.55	72.61	87.01	100.43
19411	47.4	74	88.88	97.04	98.47	98.94
19421	61.13	95.69	114.92	125.8	130	133.49
19431	61.13	95.7	114.92	125.8	130	133.49
19441	61.06	95.63	114.87	125.79	130.01	133.49
19451	94.48	150.13	180.8	207.33	229.4	245.65
19461	93.29	149.23	179.14	205.75	229.3	244.99
19471	92.66	146.21	178.11	205.41	225.17	240.42
19481	2621.83	3724	4297.79	4921.8	5582.17	6142.3
19511	20.82	33.23	40.31	50.68	53.42	53.44
19521	54.43	88.12	107.29	128.48	152.58	166.37
19541	2733.71	3879.33	4470.17	5115.17	5807.62	6372.01
19561	2788.32	3948.07	4554.04	5209.39	5921.89	6515.66
19581	84.86	137.19	166.31	201.41	238.57	272.67
19601	84.94	140.55	165.48	200.84	243.79	271.78
19621	2872.1	4040.48	4691.26	5406.75	6122.26	6777.06
19641	3067.1	4288.74	4953.06	5749.5	6639.69	7406.03
19661	3111.73	4381.76	5114.78	5966.3	6869.75	7652.11

**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)
11011	22.78	36.08	42.12	48.09	48.82	48.04
11031	35.46	55.77	64.95	74.64	80.65	83.81
11041	19.08	30.40	37.25	45.10	54.03	62.84
11051	33.75	45.02	49.45	54.53	58.67	61.44
11071	9.96	8.77	11.22	15.45	20.23	24.61
11091	14.20	22.28	26.83	32.12	37.96	43.29
11101	31.98	51.77	63.21	76.35	92.58	106.85
11111	6.17	14.17	16.42	18.06	20.14	21.89
11131	31.39	49.96	60.14	72.15	83.74	96.67
11141	15.87	16.32	16.73	17.52	18.60	19.80
11161	15.86	16.32	16.73	17.52	18.60	19.80
11181	24.98	37.15	43.28	50.22	57.86	64.47
11191	22.37	31.02	34.96	39.47	44.16	47.88
11211	59.11	76.27	84.81	92.82	101.64	105.34
11221	6.86	10.61	12.62	14.76	14.95	14.96
11222	6.86	10.61	12.62	14.75	14.95	14.98
11223	6.82	10.58	12.60	14.73	14.94	14.95
11231	13.18	15.33	17.06	19.48	22.07	24.25
11261	41.18	65.97	79.74	96.34	113.14	125.78
11262	40.51	64.85	77.00	90.96	101.88	104.13
11271	50.97	81.60	96.09	111.16	123.96	125.13
11291	21.37	32.71	41.44	46.80	54.60	61.51
11301	22.14	31.54	37.12	38.43	38.15	37.77
11302	21.34	30.21	35.58	36.32	35.69	35.23
11331	34.09	52.11	56.00	54.35	52.55	51.79
11351	56.01	76.39	78.08	78.66	78.31	77.20
11371	34.29	53.99	64.66	69.69	74.80	75.77
11381	33.12	50.70	60.16	60.13	60.72	60.07
11401	13.97	18.18	20.56	22.49	23.71	24.52
11411	45.36	67.99	77.63	73.99	68.64	63.87
11431	126.57	180.08	194.34	201.44	205.37	203.87
11441	126.63	179.80	194.20	201.40	205.31	203.86
11451	129.18	169.38	182.53	190.43	197.28	204.32
11471	14.90	23.99	28.95	34.04	39.10	44.91
11481	14.25	22.73	27.04	31.85	36.48	41.93
11501	24.37	38.62	46.78	57.45	68.33	79.06
11511	22.31	35.47	43.07	51.70	61.76	72.28
11521	46.27	73.38	89.11	107.03	127.43	135.78
11531	58.91	93.69	113.69	136.74	162.33	177.24
11551	27.21	42.30	49.73	59.55	63.96	63.31
11561	26.53	40.86	48.28	57.74	62.10	61.70
11591	54.90	79.80	99.58	110.16	127.92	143.09

**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)
11621	23.52	34.24	40.57	44.55	45.22	44.83
11631	23.44	33.11	39.32	41.81	40.11	38.53
11641	32.81	45.55	54.19	60.44	62.69	64.91
11661	12.96	20.64	33.89	61.23	53.53	60.32
11671	27.19	39.98	44.03	43.28	39.37	38.19
11681	42.88	62.21	65.61	66.03	59.81	57.86
11701	54.78	79.18	85.12	85.86	85.32	87.67
11711	86.78	124.07	136.94	143.65	145.67	150.30
11731	19.09	30.64	37.36	45.12	53.97	62.22
11732	19.07	30.59	37.30	45.03	53.81	61.90
11741	19.11	30.62	37.33	45.07	53.75	61.88
11751	24.01	38.10	46.27	55.51	66.88	77.44
11761	23.86	37.91	46.02	55.64	66.90	77.46
11771	23.65	37.62	45.83	55.84	66.97	77.47
11781	23.49	37.50	45.74	56.43	67.08	77.59
11801	189.23	263.24	296.95	326.84	374.17	396.97
11811	47.61	76.18	88.43	93.29	91.47	89.63
11821	190.31	265.10	301.86	330.98	361.96	372.76
11841	0.00	0.01	0.12	0.20	0.28	0.37
11861	30.25	40.66	45.55	50.50	55.47	56.62
11871	3.27	3.83	4.00	4.10	5.32	6.53
11881	19.03	25.46	28.20	30.83	33.34	35.34
11891	15.75	19.29	21.05	22.51	25.25	32.11
11892	15.47	18.97	20.71	22.13	23.51	24.08
11901	21.37	33.94	41.12	49.43	59.15	67.50
11911	1.53	1.57	1.58	1.56	1.52	1.47
11912	1.69	7.73	9.35	10.14	11.31	12.34
11913	3.05	8.70	10.04	10.92	12.21	13.29
11921	3.36	9.02	10.44	10.68	11.07	11.64
11931	2.04	6.75	7.32	6.96	6.73	6.94
11932	4.06	9.79	9.35	9.16	8.57	8.39
11941	2.02	6.58	7.14	6.90	6.70	6.92
11951	2.01	6.55	7.08	6.86	7.44	7.85
11961	5.56	7.90	8.75	9.30	9.75	9.00
11962	5.56	7.90	8.75	9.30	9.77	9.03
11971	2.73	3.56	3.92	3.78	3.66	3.55
11972	5.56	7.91	10.28	16.80	19.80	20.46
11981	13.14	15.85	17.49	18.50	17.03	15.47
11982	3.73	5.06	5.68	5.59	4.96	4.71
11991	3.71	5.03	5.64	5.57	4.93	4.71
12001	3.70	5.01	5.61	5.58	4.93	4.71
12011	6.20	8.34	9.25	9.02	8.37	8.17

**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)
12021	6.20	8.34	9.23	9.06	8.39	8.94
12031	6.20	8.33	9.62	9.26	11.17	13.27
12041	6.19	9.61	10.71	14.09	17.44	20.38
12051	13.44	19.13	20.18	21.72	23.69	26.86
12061	16.38	25.29	27.93	29.12	30.00	30.38
12071	19.90	30.63	34.84	37.46	40.75	43.49
12081	20.86	31.56	36.21	38.64	41.82	45.26
12101	10.69	14.46	16.55	19.48	18.72	15.23
12111	21.86	29.71	34.64	37.45	37.54	36.20
12121	21.64	30.60	36.15	39.29	38.11	36.49
12131	56.18	85.37	98.35	110.00	120.18	128.96
12141	4.06	9.78	9.34	9.16	8.61	8.41
12151	11.67	17.52	19.51	21.02	22.26	23.29
12161	11.25	16.94	18.40	18.70	19.02	18.85
12171	6.46	7.96	8.32	7.94	7.22	6.53
12181	5.79	6.10	6.44	7.10	7.81	8.43
12191	4.51	5.52	6.04	6.52	6.95	7.25
12201	3.90	5.07	6.64	7.37	8.09	8.48
12211	4.26	6.53	8.99	10.86	12.25	13.17
12221	5.40	6.24	6.81	7.39	7.85	8.28
12231	2.35	2.57	2.58	1.89	1.52	1.59
12232	0.00	0.00	0.00	2.93	4.95	5.19
12233	2.35	2.58	2.59	4.23	5.53	5.50
12241	6.27	6.33	6.33	6.68	7.19	7.38
12251	16.98	19.25	20.34	38.16	38.99	36.39
12261	17.85	20.57	21.51	38.43	39.09	36.47
12281	27.89	43.89	53.45	60.90	66.15	68.24
12291	24.68	37.44	44.71	44.65	42.96	40.85
12301	41.85	51.08	56.91	59.11	54.65	50.00
12311	59.87	77.04	84.00	86.84	86.48	85.88
12321	64.94	83.99	91.40	96.42	97.17	97.58
12341	28.29	45.07	54.85	52.76	44.13	42.25
12351	64.99	103.83	113.85	119.62	123.76	123.82
12361	65.04	103.86	113.65	119.28	122.62	122.95
12371	88.40	141.59	160.51	175.97	189.76	197.49
12391	16.71	26.97	32.88	39.72	47.53	54.81
12401	77.44	100.42	110.64	118.90	122.73	125.14
12411	162.90	245.94	278.26	305.92	330.26	350.29
12421	18.99	30.18	37.08	44.63	52.67	59.18
12431	18.52	29.08	35.96	43.25	51.09	57.28
12441	198.41	319.91	368.46	407.18	443.31	467.58
12461	42.65	56.49	56.91	55.99	56.18	56.64

**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)
12471	42.68	55.24	53.09	49.10	46.95	45.95
12481	70.52	92.61	97.50	102.41	105.20	105.02
12501	24.53	39.20	47.51	56.81	66.50	73.12
12511	8.64	14.26	17.49	21.01	24.46	27.80
12541	32.50	52.87	64.79	67.81	70.74	74.97
12551	26.61	44.22	51.74	58.51	64.40	74.28
12561	20.05	33.37	37.90	42.42	45.95	53.70
12571	28.85	45.91	54.33	58.46	65.12	72.81
12591	20.37	31.50	36.04	36.58	39.28	43.31
12601	31.63	49.45	58.84	67.27	69.59	71.05
12611	30.98	48.71	57.21	67.73	67.60	63.15
12621	32.07	51.26	61.78	69.22	67.80	63.32
12631	75.87	121.23	144.61	158.81	168.80	177.19
12651	93.12	149.04	178.88	201.12	219.20	234.84
12661	69.26	88.27	96.85	106.27	119.19	129.67
12662	70.65	89.03	93.73	100.39	108.00	112.55
12671	11.24	17.58	20.94	23.78	27.22	31.09
12681	20.83	32.97	39.59	46.97	52.67	60.34
12691	56.70	66.39	71.65	76.81	82.27	86.50
12711	8.94	10.02	11.45	12.86	13.81	15.05
12721	8.77	11.45	13.23	14.39	15.26	41.53
12731	52.58	70.52	78.51	85.72	89.26	89.97
12741	52.60	70.52	78.51	85.72	89.26	89.97
12751	64.13	89.34	104.83	121.99	140.29	156.21
12761	64.08	88.34	101.99	116.92	132.95	142.90
12771	8.62	13.51	13.26	12.26	10.88	9.47
12781	27.49	40.11	43.82	47.10	47.54	47.70
12791	27.18	39.56	43.33	45.57	45.41	45.00
12801	49.85	55.03	60.75	66.76	73.30	78.73
12821	14.29	22.60	27.14	30.94	33.23	37.22
12831	13.92	21.40	25.25	27.90	28.91	32.57
12851	17.10	26.76	32.02	37.78	42.87	50.60
12861	16.96	25.37	29.75	33.35	38.37	51.25
12871	42.08	61.56	72.71	83.19	98.33	112.05
12881	39.27	58.97	69.54	79.71	94.65	107.56
12901	57.25	72.26	78.89	88.91	93.29	111.70
12921	8.22	7.70	7.52	7.15	6.38	5.75
12931	14.92	21.87	24.73	27.57	30.40	32.68
12932	14.92	21.88	24.73	27.58	30.42	32.71
12941	14.92	21.88	24.75	27.60	30.43	32.71
12951	14.92	21.97	24.86	27.72	30.58	32.86
12961	14.98	22.19	25.09	27.93	30.80	33.07

**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)
12971	17.57	27.81	31.96	35.39	38.71	46.09
12981	17.30	26.22	29.74	32.64	36.80	45.70
12991	19.48	30.17	34.73	39.36	45.55	57.24
13011	11.94	18.84	22.97	27.75	32.99	37.82
13021	22.32	35.97	43.54	52.72	62.80	72.06
13031	11.25	18.14	22.17	26.80	32.03	36.84
13041	11.25	18.14	22.18	26.81	32.04	36.64
13061	49.40	60.95	61.36	57.92	58.95	60.57
13071	46.08	46.27	46.74	47.81	47.96	47.73
13081	45.91	44.49	44.15	43.52	44.59	44.16
13091	65.69	77.86	84.00	89.50	94.58	98.68
13101	30.29	48.64	59.18	71.29	85.45	97.88
13111	87.23	136.84	167.35	185.67	234.07	277.62
13131	5.60	9.02	11.04	13.36	16.02	18.02
13151	40.35	63.09	72.48	77.57	77.59	76.61
13161	38.31	57.36	61.99	59.85	57.39	55.35
13171	67.89	104.35	118.60	122.12	122.54	121.68
13181	88.85	141.14	162.54	174.03	184.75	188.15
13211	77.92	128.25	157.48	191.19	230.02	264.97
13222	181.27	303.68	370.89	431.58	495.44	546.69
13224	180.79	302.95	370.18	430.97	494.74	545.93
13231	154.59	236.39	290.49	315.35	359.88	390.62
13241	155.67	238.11	292.72	317.74	362.69	393.75
13251	19.31	30.89	38.40	46.43	48.85	49.94
13261	18.25	29.48	37.26	45.22	47.55	45.89
13271	19.86	32.73	38.55	46.79	47.99	46.27
13281	27.23	42.90	46.49	47.11	46.73	45.89
13291	61.85	100.04	108.39	115.99	120.75	123.19
13301	61.36	99.13	107.15	114.50	118.89	121.35
13321	16.49	24.43	28.71	32.23	32.85	32.74
13331	15.63	23.67	25.96	29.16	27.18	25.34
13341	15.67	23.80	25.56	29.22	27.56	25.92
13351	29.52	46.06	51.64	58.07	64.40	68.72
13361	158.52	242.51	297.35	323.31	369.02	400.67
13391	47.73	75.27	90.70	108.54	120.93	120.18
13401	57.43	90.61	109.37	130.96	147.00	147.75
13411	45.15	59.28	64.18	70.17	74.81	74.43
13421	44.94	59.17	64.18	70.17	74.81	74.43
13441	62.17	92.10	104.76	116.49	119.84	129.21
13461	86.65	86.65	86.65	86.65	86.65	86.65
13462	35.83	41.05	35.65	36.03	35.67	35.28
13463	0.00	5.44	18.55	29.32	38.10	43.31

**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)
13471	35.80	43.25	47.68	51.80	55.81	58.42
13481	36.78	52.39	56.60	56.80	56.08	54.99
13491	43.80	61.81	66.60	67.43	68.26	68.80
13501	11.80	19.11	20.96	20.95	20.73	20.29
13502	11.75	18.95	20.35	20.11	19.73	19.53
13521	26.27	42.89	52.48	63.44	76.08	84.33
13531	26.37	43.02	52.61	63.56	76.09	84.33
13541	38.94	62.92	76.67	92.41	110.57	122.76
13551	38.90	62.72	76.30	91.78	109.35	121.01
13561	31.51	49.18	60.33	72.21	85.55	89.55
13571	173.39	266.70	319.06	356.90	407.60	447.45
13581	14.66	19.52	20.19	20.50	20.55	20.38
13591	2.92	3.87	4.12	4.19	4.25	4.41
13601	9.19	14.07	16.26	18.21	18.80	19.02
13611	10.02	14.19	16.37	18.30	18.79	19.10
13621	36.81	57.98	69.62	81.96	96.04	109.58
13631	44.72	75.10	92.52	111.84	133.59	153.23
13651	27.27	43.61	52.95	63.84	76.11	87.35
13661	61.50	103.24	127.20	154.03	183.42	208.49
13671	61.46	102.86	126.37	152.59	180.96	204.27
13681	60.77	100.68	123.43	148.79	175.72	196.68
13691	58.78	91.77	114.38	138.92	160.99	182.01
13701	5.01	20.03	27.17	32.50	37.15	39.83
13711	16.86	42.36	55.87	65.67	76.37	82.87
13721	173.43	266.76	319.12	357.02	407.76	447.62
13731	174.87	269.10	321.20	360.82	412.64	453.35
13741	174.94	269.20	321.29	361.00	412.90	453.62
13751	183.70	285.01	336.06	385.81	441.33	485.97
13771	185.06	286.39	337.29	388.36	444.82	489.98
13791	185.42	286.74	337.61	389.01	445.70	491.02
13801	39.37	62.66	74.67	84.99	84.93	83.04
13811	38.74	60.09	71.78	78.94	77.07	74.39
13821	68.42	107.09	129.37	147.87	155.65	158.73
13831	78.12	123.13	149.61	174.20	188.72	198.86
13851	52.83	89.08	107.86	125.72	136.81	145.61
13861	80.77	145.47	183.32	225.53	270.01	311.80
13871	40.77	61.09	71.58	80.26	80.15	78.97
13881	39.37	56.29	64.18	65.93	65.11	64.13
13891	84.15	156.91	203.32	265.03	311.69	345.15
13901	107.22	199.37	257.61	329.57	388.28	438.17
13911	106.57	197.34	253.83	322.39	378.40	425.03
13921	35.63	76.90	100.83	125.66	138.06	147.84



**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)
13931	82.15	139.82	176.85	224.45	274.62	318.08
13951	88.88	153.41	193.54	243.16	296.88	346.30
13971	2.65	3.21	3.36	3.11	3.32	3.45
13981	43.62	68.15	82.74	99.76	119.55	138.04
13991	15.31	20.05	20.85	21.02	20.56	20.14
14001	2.36	7.45	10.00	11.80	12.83	17.36
14011	4.47	9.96	14.94	20.80	24.21	26.57
14021	38.23	59.26	71.04	84.09	95.48	99.25
14031	37.63	57.32	68.45	81.02	91.88	94.69
14041	34.08	52.50	62.27	73.73	83.31	86.59
14051	81.17	123.48	146.03	173.00	202.46	223.80
14061	75.79	114.84	135.93	161.12	188.93	209.37
14071	62.03	92.77	111.36	133.80	158.07	174.86
14081	20.69	32.34	38.28	44.32	53.05	59.45
14091	98.51	157.75	193.84	234.39	282.29	324.39
14101	50.45	89.26	118.46	150.82	186.82	224.44
14121	219.10	339.57	403.83	473.98	535.62	593.86
14151	27.37	37.44	38.25	38.41	38.23	37.78
14161	26.98	36.33	34.82	32.60	30.02	29.58
14171	40.47	55.79	59.09	61.25	62.44	63.78
14172	40.41	55.45	58.35	60.16	60.10	61.22
14181	40.40	55.30	57.98	59.62	59.39	60.64
14191	12.93	20.47	24.85	30.05	35.97	41.37
14201	220.03	340.85	407.64	476.47	538.40	596.87
14211	40.17	54.64	57.02	58.55	59.30	60.55
14221	223.31	347.03	415.20	484.99	547.62	606.20
14231	223.19	347.23	415.13	485.64	548.05	606.51
14241	224.10	348.82	417.31	487.73	550.34	608.83
14251	226.75	353.54	423.17	493.70	556.90	615.40
14261	71.80	109.21	127.89	145.41	162.64	179.08
14271	67.19	89.06	92.42	99.89	107.11	113.02
14281	67.04	89.01	92.42	99.89	107.10	113.02
14291	66.41	86.14	89.81	97.05	103.97	109.75
14301	226.82	353.75	424.69	494.94	558.38	617.07
14331	85.23	141.97	174.84	209.05	236.08	242.64
14341	81.58	139.34	171.53	197.99	206.08	204.89
14351	20.18	33.20	40.63	48.62	56.64	63.72
14361	120.34	205.84	251.64	278.41	292.08	313.42
14371	179.75	300.56	355.52	388.53	409.17	408.05
14381	11.95	18.09	21.40	21.47	21.41	21.20
14391	191.65	318.68	376.71	407.30	425.02	423.85
14411	6.31	10.09	12.27	14.75	17.54	20.04

**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)
14421	6.33	10.34	11.88	13.02	15.27	16.86
14431	22.86	35.32	37.14	37.54	36.74	35.72
14451	21.74	31.22	32.65	36.31	37.42	37.23
14471	48.99	70.81	74.15	76.69	77.70	77.49
14481	48.54	67.14	68.42	68.29	67.83	66.92
14491	63.10	86.09	88.95	89.39	87.77	85.66
14501	61.61	66.50	69.67	72.43	67.34	63.93
14511	71.34	79.28	74.21	77.34	86.51	74.92
14521	82.61	95.56	101.18	100.45	99.47	98.42
14531	82.07	94.61	100.34	100.79	100.10	99.20
14551	254.13	404.95	508.73	593.50	684.71	749.03
14581	53.93	88.10	113.17	116.20	116.22	116.70
14591	51.27	76.64	76.05	74.44	72.77	71.38
14601	261.39	420.59	521.60	625.78	712.01	795.68
14611	17.28	26.80	28.94	33.60	33.83	33.61
14621	266.02	426.65	526.06	635.33	722.42	806.77
14631	17.53	19.05	18.49	18.55	18.78	18.71
14632	22.43	24.46	25.58	26.81	28.09	29.14
14641	263.97	426.00	525.58	634.44	721.48	805.81
14651	31.71	39.18	43.39	48.15	53.41	58.11
14661	30.67	38.96	43.34	48.18	53.45	58.09
14681	253.97	404.77	502.54	596.07	700.77	793.70
14682	69.02	77.08	93.10	107.60	122.80	133.68
14683	0.00	55.33	71.54	87.85	106.56	125.53
14684	63.11	76.14	92.29	107.01	122.69	134.40
14685	22.62	58.60	75.06	91.31	110.56	129.18
14686	56.53	68.81	85.28	101.15	119.08	135.45
14687	58.24	68.81	85.28	101.15	119.08	135.45
14691	254.04	404.77	502.54	596.10	700.81	793.76
14711	256.05	408.56	507.78	602.98	711.06	807.88
14741	25.04	39.77	48.58	58.41	67.86	67.92
14761	256.00	408.52	507.79	603.07	711.18	808.04
14771	256.51	409.58	509.37	605.31	714.64	812.93
14791	257.39	411.05	511.56	608.14	718.06	816.95
14801	257.91	411.13	511.98	609.54	719.81	819.74
14821	9.61	10.04	10.01	10.03	10.04	10.04
14831	8.47	9.59	9.73	9.77	9.75	9.72
14841	6.33	8.90	10.43	12.09	12.97	12.98
14851	14.68	17.67	19.13	20.86	21.92	22.01
14861	12.78	16.05	17.97	19.92	21.62	23.53
14881	65.89	78.48	95.64	115.12	136.89	156.76
14891	15.05	23.80	28.62	34.23	40.41	46.46

**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)
14901	28.84	46.09	55.05	65.88	78.94	91.68
14911	7.43	9.75	11.03	12.46	13.29	13.57
14921	2.65	3.03	3.21	3.31	3.33	3.34
14922	30.16	44.07	50.04	62.86	80.36	96.36
14923	29.90	42.96	48.05	62.80	80.35	81.19
14931	21.88	30.50	34.25	37.30	37.92	37.96
14941	22.01	30.52	34.26	37.31	37.92	37.99
14951	29.34	40.74	44.36	47.60	50.45	54.61
14961	46.73	58.62	63.35	65.56	67.14	68.45
14981	63.12	79.17	84.70	90.17	95.47	95.64
14991	63.28	79.41	85.12	90.32	95.53	95.64
15001	71.09	93.13	102.69	111.44	119.37	124.33
15011	70.75	92.17	101.42	109.84	116.68	119.78
15021	75.59	100.06	111.54	122.21	131.01	136.40
15051	20.20	30.63	35.03	36.97	37.87	38.59
15052	0.00	0.00	3.46	14.17	17.81	18.24
15061	19.96	30.35	37.62	49.06	53.50	54.05
15081	19.82	30.44	37.55	48.36	54.53	55.78
15091	19.97	30.89	38.13	49.19	55.88	58.05
15111	21.09	33.14	41.05	52.69	61.91	66.04
15121	66.04	108.16	130.75	156.04	185.57	212.06
15131	40.25	68.80	72.58	72.74	72.72	72.73
15132	39.97	63.04	71.78	72.36	72.24	71.54
15141	152.25	245.30	292.27	332.38	386.06	427.08
15151	150.44	243.94	291.30	331.06	364.31	362.89
15161	184.29	298.73	359.82	413.80	462.46	479.84
15171	181.56	295.33	355.39	407.66	455.79	467.50
15181	180.36	293.79	353.81	406.03	453.96	466.66
15211	34.69	53.12	63.15	78.75	90.50	102.64
15221	31.30	47.21	55.52	67.19	91.78	93.43
15231	28.10	42.21	49.25	56.77	58.27	58.62
15241	26.06	39.08	45.79	50.03	50.64	50.95
15251	68.30	107.57	129.88	152.45	172.88	191.00
15281	23.34	36.76	37.73	37.20	35.61	36.33
15291	21.38	31.90	31.89	33.55	34.45	34.25
15301	18.71	32.91	35.09	35.86	35.80	35.23
15311	96.34	151.54	178.41	208.06	239.43	266.40
15321	86.35	140.44	166.58	196.77	226.58	251.86
15331	12.75	18.43	22.93	27.09	28.58	28.73
15341	10.45	16.20	20.77	23.55	23.81	23.85
15351	6.44	12.37	17.08	21.72	24.34	25.17
15361	90.16	149.84	180.03	211.78	240.75	266.04

**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)
15381	51.92	61.61	62.06	62.29	62.92	63.97
15391	52.89	61.91	62.15	62.27	63.21	64.23
15401	94.53	155.90	187.55	221.19	252.65	279.83
15411	127.14	217.65	249.63	283.83	317.00	345.95
15421	16.61	26.32	32.29	39.22	47.11	54.38
15431	16.61	26.28	32.23	39.17	47.08	54.36
15441	132.61	225.91	260.17	293.10	324.30	341.53
15461	15.68	22.93	23.26	23.46	23.67	24.01
15471	30.18	40.16	42.63	44.96	44.98	45.05
15481	30.32	40.26	42.76	45.06	45.07	45.11
15491	38.03	52.22	56.08	60.04	60.15	60.08
15501	32.22	42.15	44.87	47.03	47.16	47.17
15511	281.16	450.88	537.83	615.97	698.51	722.47
15531	20.38	32.54	39.43	47.25	55.99	63.90
15541	20.07	31.94	38.80	46.62	55.66	63.61
15551	270.09	412.51	473.48	526.29	576.20	597.89
15571	31.04	34.77	34.90	35.10	35.50	35.82
15581	38.27	46.00	46.51	48.24	50.00	51.20
15591	46.21	59.05	64.77	70.77	78.48	85.20
15601	231.32	340.54	388.92	435.87	459.65	530.39
15621	15.15	23.95	28.95	34.78	39.24	39.86
15631	15.75	24.36	28.68	34.31	34.99	35.00
15641	17.71	19.18	19.45	19.72	19.92	19.98
15651	32.22	37.52	38.34	38.41	38.24	38.04
15661	30.02	34.48	35.36	35.63	35.74	35.79
15671	30.65	33.95	33.68	33.33	32.96	32.67
15681	244.09	363.64	419.36	452.03	504.61	583.74
15701	14.54	24.00	26.06	26.46	26.62	26.56
15711	14.00	23.35	25.28	25.35	25.46	25.58
15721	12.37	14.87	15.33	15.56	15.60	15.65
15741	27.62	35.79	37.98	39.46	40.84	41.77
15751	36.91	51.08	56.17	60.96	65.43	69.39
15761	36.16	50.41	55.40	59.60	64.05	67.70
15771	47.01	69.44	78.52	87.27	97.38	106.22
15781	46.89	69.14	78.13	86.77	96.73	105.45
15791	262.31	393.01	460.35	501.28	565.67	647.78
15801	264.15	395.23	463.82	504.61	572.72	656.61
15821	2.73	4.48	5.18	6.36	7.83	9.21
15831	2.36	3.95	4.91	6.08	7.72	9.26
15841	270.88	405.32	471.54	516.24	580.11	667.01
15851	7.16	11.38	13.52	15.88	17.88	19.00
15861	7.08	11.25	13.47	15.31	17.77	18.35

**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)
15871	19.57	31.14	37.54	42.57	45.46	46.26
15881	19.39	30.89	36.00	39.76	41.21	42.38
15891	37.48	57.78	65.58	74.05	79.95	84.99
15901	36.79	56.88	65.12	72.22	76.40	81.40
15921	36.77	57.12	65.55	72.68	76.59	81.69
15931	44.73	69.77	79.66	89.15	95.16	102.02
15941	44.69	69.65	79.47	88.84	94.59	102.00
15951	44.42	69.18	78.92	88.23	93.96	101.26
15961	318.85	485.37	570.64	637.15	719.17	809.15
15971	321.23	487.72	572.92	639.53	721.29	810.82
15991	326.44	493.43	578.44	645.35	726.67	815.05
16001	22.83	34.06	44.20	53.49	53.56	53.59
16011	22.51	25.62	27.06	27.73	27.88	28.86
16021	15.57	21.27	21.28	21.34	21.41	21.47
16031	14.71	11.37	14.34	14.58	14.86	14.90
16041	29.03	31.63	31.61	31.59	31.35	30.95
16051	11.58	19.18	14.67	20.02	20.29	20.45
16061	30.02	29.74	31.50	32.90	33.92	34.28
16071	33.54	33.12	34.61	35.16	35.37	35.53
16091	32.89	33.50	34.22	35.00	35.50	35.62
16111	43.82	48.77	50.49	50.60	50.66	50.71
16121	43.87	48.78	50.48	50.60	50.66	50.71
16131	43.90	48.78	50.48	50.60	50.66	50.71
16141	12.96	13.91	13.77	13.70	13.82	13.79
16151	54.50	61.90	63.81	63.89	63.97	64.05
16161	55.07	62.99	65.02	65.32	65.66	65.97
16171	73.17	92.56	102.72	112.13	122.00	130.83
16181	70.26	88.45	97.77	105.96	114.63	122.32
16221	405.63	581.96	674.53	759.40	846.14	933.21
16241	417.68	595.33	687.62	772.94	858.79	943.29
16251	443.28	628.31	723.65	815.39	905.02	989.04
16271	480.02	674.95	771.80	871.73	966.44	1,049.20
16281	648.69	961.06	1,135.46	1,321.08	1,516.96	1,698.59
16291	672.22	992.23	1,165.70	1,356.14	1,553.42	1,732.34
16301	692.97	1,014.31	1,188.06	1,379.25	1,576.07	1,749.87
16311	726.22	1,050.18	1,228.88	1,423.29	1,623.34	1,791.19
16321	794.33	1,135.92	1,322.33	1,526.11	1,734.38	1,914.49
16341	12.53	17.68	16.35	16.46	16.46	16.39
16361	22.99	35.14	39.30	41.56	43.80	44.42
16371	23.01	34.23	37.23	39.36	40.25	40.36
16381	0.18	0.58	0.60	0.90	1.22	1.38
16391	10.62	18.34	18.84	18.70	18.14	19.25

**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)
16392	12.76	15.98	16.57	16.43	16.10	15.73
16411	13.66	20.97	23.91	26.14	26.96	26.90
16421	30.61	45.72	48.02	48.14	47.23	50.05
16431	35.00	48.93	50.96	52.64	69.94	91.52
16441	33.09	44.47	45.35	52.82	70.12	91.83
16451	36.01	49.29	53.44	61.79	66.40	68.69
16461	36.28	49.65	53.79	61.80	66.41	68.70
16471	45.48	56.70	59.83	66.44	70.15	72.04
16481	59.08	74.08	78.70	85.76	92.11	96.11
16491	58.03	69.25	75.01	80.04	85.19	89.19
16501	57.94	69.11	74.28	78.18	81.37	84.89
16511	58.00	69.45	74.01	77.31	79.05	82.31
16531	0.00	0.66	0.86	1.03	1.13	1.13
16541	1.59	2.60	3.38	3.99	4.48	4.75
16551	3.27	4.80	5.67	6.75	7.69	8.31
16581	16.70	25.25	26.08	26.05	25.88	26.91
16601	28.06	42.30	45.02	47.13	48.11	48.14
16611	26.46	39.76	41.72	43.05	42.89	42.67
16621	83.88	109.89	122.16	128.60	136.70	143.27
16631	17.99	25.49	26.68	26.75	26.65	26.48
16641	16.52	23.09	22.80	22.27	22.47	23.25
16661	90.54	121.29	143.64	150.34	157.11	160.14
16671	11.65	18.52	22.43	26.45	29.08	29.65
16681	10.16	16.30	19.84	22.96	23.49	23.31
16691	105.60	146.11	167.91	179.12	196.94	205.37
16711	24.58	36.82	42.79	50.38	53.11	54.32
16721	22.16	31.61	33.96	35.77	36.47	37.16
16731	20.98	29.31	33.48	34.75	26.91	31.19
16741	30.55	43.89	47.37	47.46	53.45	57.05
16751	30.49	43.27	45.68	47.57	53.58	57.23
16761	31.79	45.01	45.98	47.99	54.04	57.66
16771	47.34	67.30	74.59	76.04	74.59	72.81
16801	65.82	95.29	110.37	120.62	129.87	133.75
16811	64.11	92.16	107.30	117.00	124.39	127.09
16821	62.37	89.81	105.75	113.26	120.40	121.89
16841	80.18	118.51	140.80	160.68	178.22	190.13
16851	78.47	115.99	138.31	157.78	174.98	186.80
16861	77.06	113.94	136.34	154.87	171.82	183.31
16881	151.05	216.06	248.71	266.95	287.79	298.86
16901	84.07	114.82	131.19	141.05	152.18	158.60
16902	76.49	114.65	131.04	140.94	152.14	158.65
16911	15.36	26.15	27.16	27.50	27.75	28.04

**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)
16912	32.43	42.31	41.99	41.29	47.18	48.79
16913	33.96	43.42	43.03	53.46	51.48	56.32
16921	26.64	41.89	50.75	64.44	69.76	70.91
16951	171.33	245.51	279.63	302.79	328.50	345.21
16971	99.60	145.72	166.74	188.53	198.92	211.23
16981	171.36	245.76	280.11	303.28	329.43	346.41
17061	13.86	22.05	26.77	32.20	38.41	44.50
17091	20.21	32.25	39.19	47.52	56.70	65.22
17101	20.08	32.10	39.07	47.26	56.15	65.27
17111	20.00	32.01	38.96	47.10	55.45	64.33
17121	14.93	22.02	25.38	28.99	33.17	36.32
17122	245.48	370.25	428.82	491.84	564.76	619.57
17123	260.41	392.27	454.20	520.84	597.94	655.90
17131	260.51	392.57	454.42	521.39	598.00	655.19
17171	16.24	25.80	29.75	35.00	40.85	40.98
17181	17.14	26.25	29.65	34.88	40.75	40.97
17191	269.38	403.48	468.07	544.43	627.55	694.88
17201	18.20	25.02	28.49	31.10	31.44	31.23
17211	16.53	24.53	29.06	29.34	29.49	29.67
17221	20.15	22.68	22.84	22.78	22.57	22.37
17231	4.17	6.06	6.92	8.44	9.36	9.46
17241	22.72	25.45	26.12	26.15	25.99	25.88
17251	16.98	20.14	20.70	21.16	21.62	21.76
17252	18.07	23.38	24.57	26.15	28.45	30.45
17261	8.21	10.64	11.34	12.22	12.35	12.29
17271	6.52	7.90	9.46	10.43	10.95	11.22
17281	5.62	7.77	9.57	11.40	13.24	14.58
17291	3.77	5.69	6.75	9.23	9.40	9.90
17301	14.30	20.15	22.69	26.31	28.27	28.96
17311	24.77	31.34	33.92	44.17	49.84	54.03
17321	6.10	9.60	10.97	11.33	12.85	12.99
17331	4.36	6.37	7.28	8.59	9.65	9.60
17341	3.85	4.26	5.14	6.60	8.58	10.27
17351	1.16	1.78	2.54	18.14	21.93	35.03
17361	6.42	8.81	11.23	12.76	13.29	13.29
17371	2.12	3.17	3.96	8.11	9.62	10.18
17372	2.55	4.44	8.29	8.86	9.61	9.63
17381	5.23	8.10	11.18	12.73	14.31	14.75
17391	6.19	10.11	11.83	12.17	13.47	14.09
17401	5.92	10.06	11.95	12.30	12.19	13.19
17411	2.88	4.66	5.69	7.45	8.40	9.68
17421	7.14	9.15	9.46	9.68	9.81	9.94

**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)
17431	29.10	32.04	33.74	35.25	36.35	37.00
17441	29.11	32.11	33.39	34.13	34.98	35.48
17442	0.00	0.40	7.14	10.28	11.46	12.78
17451	29.25	32.33	34.17	38.41	40.24	43.29
17461	3.48	5.58	6.84	8.70	10.88	12.60
17471	36.14	54.71	60.43	64.01	65.77	71.76
17481	38.24	51.45	55.91	60.43	63.06	65.06
17491	63.73	82.66	87.75	89.29	89.94	90.48
17501	63.77	82.76	87.93	89.02	89.93	90.45
17511	63.79	82.77	87.93	89.03	89.93	90.45
17521	66.75	87.16	92.98	97.19	104.03	106.66
17531	66.74	87.15	92.99	97.04	103.24	106.31
17532	66.74	87.15	92.99	97.04	103.16	106.29
17533	66.74	87.15	93.00	97.03	103.19	106.27
17541	66.74	87.15	93.05	97.01	103.06	106.24
17551	66.69	87.10	93.45	96.94	102.55	105.81
17571	2.94	5.15	7.04	8.60	9.81	10.46
17581	2.61	4.84	5.48	6.25	7.12	7.66
17591	2.52	6.08	7.00	7.83	8.92	9.61
17601	14.30	18.54	22.78	29.33	33.90	34.87
17611	13.76	18.46	22.78	29.33	33.91	34.87
17621	12.87	18.45	22.79	29.33	33.91	34.87
17641	27.93	45.46	55.46	66.95	79.95	91.89
17651	7.92	14.91	21.25	25.51	27.74	29.40
17652	16.97	26.22	32.58	35.69	37.21	38.40
17661	20.63	33.31	38.15	40.51	41.47	43.41
17681	19.35	26.01	33.16	38.48	43.69	52.79
17691	16.74	25.77	33.57	39.98	45.72	53.75
17701	18.52	28.82	34.83	43.60	48.75	55.47
17741	24.03	33.94	38.61	41.26	41.90	41.73
17742	22.55	30.30	31.65	31.72	31.87	32.20
17751	21.49	30.29	31.65	31.72	31.87	32.20
17761	19.81	29.35	31.85	32.63	37.21	41.54
17771	43.58	65.01	73.95	76.55	78.41	79.32
17781	44.18	67.07	75.97	77.97	79.13	98.36
17801	59.43	89.17	103.82	113.81	118.64	120.25
17811	59.64	89.17	103.82	113.82	118.64	120.25
17821	29.17	42.94	49.88	55.05	57.56	58.37
17822	30.90	46.41	53.97	58.77	61.10	61.88
17831	47.91	73.57	82.52	84.18	86.22	89.70
17841	94.41	144.66	162.41	164.82	167.90	177.21
17851	94.46	144.91	162.66	165.04	168.10	177.36



**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)
17861	94.68	145.46	163.11	165.43	168.45	177.49
17871	114.53	178.96	208.20	219.55	229.99	240.97
17881	113.78	178.57	207.61	219.44	229.80	240.34
17891	113.55	178.58	207.49	219.41	229.76	240.23
17901	113.42	178.73	207.52	219.39	229.69	240.18
17931	14.95	21.59	26.15	27.51	27.60	27.62
17941	123.44	199.80	233.68	246.72	256.75	266.89
17961	139.54	224.68	258.67	280.94	299.10	314.36
17981	179.39	255.50	308.88	349.46	381.79	408.11
17991	196.74	320.36	370.24	407.67	440.74	466.14
18001	462.12	709.70	823.62	934.07	1,045.56	1,137.76
18021	463.84	708.14	820.20	928.32	1,037.83	1,128.54
18031	468.62	712.25	824.40	930.90	1,040.94	1,130.39
18041	53.19	85.27	102.56	123.53	147.40	169.19
18042	52.70	83.06	99.81	119.66	142.13	162.50
18051	85.07	132.96	160.28	191.40	226.45	257.86
18061	114.03	179.40	216.61	258.38	304.79	346.31
18071	111.24	175.92	212.76	253.93	299.36	339.65
18081	110.47	174.98	211.81	252.97	298.39	338.68
18091	108.75	173.50	209.77	250.27	295.21	335.29
18101	104.39	164.36	196.38	235.11	279.75	319.94
18111	564.67	878.54	1,030.40	1,187.04	1,351.55	1,493.13
18121	584.15	898.57	1,048.42	1,202.09	1,363.80	1,502.39
18131	9.04	14.13	16.37	19.04	22.14	24.94
18151	17.21	24.71	29.21	32.61	33.79	34.07
18161	16.47	23.80	27.87	30.92	31.32	31.40
18171	16.91	24.65	29.11	32.07	31.93	32.09
18181	17.27	25.06	29.47	32.27	32.02	32.11
18191	28.33	41.96	49.12	56.88	62.84	67.77
18201	28.27	41.87	49.05	56.78	62.74	67.67
18211	28.24	41.84	49.03	56.74	62.69	67.63
18231	625.46	965.07	1,127.98	1,294.40	1,465.79	1,615.75
18241	676.19	1,032.96	1,200.18	1,364.11	1,535.53	1,683.68
18281	11.03	17.50	21.20	25.41	30.60	35.42
18301	1,567.19	2,264.95	2,621.48	2,987.34	3,368.61	3,699.01
18311	1,624.00	2,339.46	2,706.25	3,079.69	3,466.49	3,804.08
18321	36.84	54.78	58.29	59.74	60.30	60.34
18322	37.14	57.39	61.18	60.84	56.92	56.63
18341	55.03	74.13	76.51	79.86	80.27	79.98
18361	90.51	121.39	128.58	133.92	136.47	138.44
18371	90.48	122.60	130.29	133.44	136.48	137.46
18401	25.43	44.21	46.23	45.66	43.05	44.31

**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)
18411	29.10	43.14	43.32	43.54	43.20	43.17
18451	93.57	169.44	207.35	211.13	213.03	214.74
18461	76.58	98.34	99.07	99.82	100.58	101.28
18471	74.54	81.09	81.37	81.94	82.69	83.41
18481	81.38	85.83	86.68	87.68	88.09	88.43
18491	81.49	85.42	86.10	87.01	87.48	87.69
18501	82.28	85.58	85.96	86.40	86.73	86.96
18521	1,790.96	2,549.66	2,937.94	3,332.14	3,739.67	4,098.51
18541	13.02	18.86	20.17	24.66	26.20	26.90
18551	22.70	31.07	32.77	43.11	49.63	50.19
18561	19.68	23.58	33.81	43.55	49.77	50.29
18571	17.19	22.62	36.28	44.49	49.98	50.41
18591	47.02	62.37	64.93	67.06	67.72	68.38
18601	47.97	63.93	66.68	67.81	68.46	68.83
18631	4.15	5.72	14.61	16.65	17.44	17.88
18632	9.21	12.62	23.66	29.88	32.77	34.53
18633	14.93	20.46	29.70	34.54	36.80	38.19
18641	21.13	32.92	38.26	44.31	50.31	53.49
18651	20.77	32.32	38.18	43.18	48.55	50.91
18661	38.75	61.05	71.67	83.34	89.63	93.88
18671	39.11	61.19	71.56	82.16	87.43	91.80
18681	39.28	61.38	71.87	83.28	89.98	95.97
18751	25.85	41.35	50.75	62.44	74.61	82.39
18761	62.29	86.20	98.70	108.30	113.98	114.71
18791	62.52	87.25	99.81	109.81	114.80	114.92
18801	70.05	104.51	121.79	138.94	152.21	157.89
18811	69.83	104.33	121.53	138.66	152.18	157.82
18821	58.78	92.78	109.72	126.89	140.11	153.57
18841	1,923.25	2,734.49	3,148.86	3,564.35	3,994.03	4,378.11
18851	58.80	92.66	109.54	126.71	144.68	157.11
18861	58.87	92.71	109.57	126.76	146.30	161.86
18871	18.14	29.28	35.71	43.15	51.65	53.40
18881	36.44	55.85	68.53	80.13	93.21	95.82
18891	106.35	166.94	203.16	242.97	283.28	316.43
18901	2,004.36	2,840.12	3,269.84	3,691.78	4,130.43	4,529.91
18911	2,175.20	3,079.92	3,554.03	4,026.10	4,526.46	4,974.15
18921	12.23	14.86	14.86	14.86	14.86	14.86
18931	12.08	16.28	16.54	16.78	17.06	17.29
18941	15.74	23.33	26.00	26.87	26.69	28.18
18951	15.36	19.01	22.64	26.06	26.48	26.80
18961	16.77	18.07	37.01	41.54	44.45	46.70
18971	24.92	35.44	50.13	56.36	58.94	61.24

**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)
18981	29.27	40.32	53.93	59.71	61.88	63.71
18991	31.76	43.29	54.48	59.99	62.11	63.92
19001	40.67	53.08	62.29	66.15	67.60	68.77
19021	56.45	72.12	77.02	80.23	80.76	81.15
19031	79.20	103.31	109.63	123.31	128.14	128.16
19051	114.05	162.77	183.81	186.33	187.29	187.58
19061	126.27	178.83	203.28	210.02	215.28	219.81
19071	126.38	178.87	203.22	209.81	215.35	219.71
19091	144.85	206.44	238.44	252.91	268.45	280.71
19121	2,363.17	3,341.58	3,850.85	4,385.22	4,908.95	5,379.73
19131	2,417.31	3,417.68	3,940.63	4,492.87	5,030.26	5,511.07
19231	23.94	37.79	45.04	53.63	61.65	62.46
19241	38.18	59.97	71.85	85.76	99.53	109.64
19251	38.16	59.95	71.80	85.70	99.52	109.61
19261	37.81	59.92	71.70	85.52	99.37	108.71
19271	39.21	61.29	72.73	86.42	100.09	105.98
19311	26.35	41.80	50.62	61.27	66.90	68.11
19321	26.10	41.47	49.71	58.46	58.54	58.60
19331	26.04	41.61	49.65	58.45	58.53	58.60
19341	26.04	41.42	49.64	58.45	58.53	58.60
19351	2,458.45	3,480.97	4,017.70	4,587.70	5,140.11	5,656.23
19361	2,481.91	3,518.20	4,064.57	4,642.52	5,199.54	5,715.32
19371	11.54	18.50	22.60	27.58	37.16	38.22
19381	11.52	18.46	22.77	27.63	32.44	38.10
19391	30.41	48.60	59.55	72.62	86.29	100.43
19411	47.40	74.00	88.88	97.04	98.47	98.94
19421	61.13	95.69	114.92	125.80	130.00	133.49
19431	61.13	95.70	114.92	125.80	130.00	133.49
19441	61.06	95.63	114.87	125.79	130.01	133.49
19451	95.09	150.19	180.81	207.38	229.10	245.60
19461	95.20	149.22	179.02	205.69	228.28	244.83
19471	93.16	146.48	176.51	205.42	222.57	240.08
19481	2,665.93	3,793.21	4,396.14	5,033.82	5,720.35	6,272.23
19511	20.81	33.23	40.31	50.67	53.41	53.43
19521	55.02	86.91	107.83	128.95	151.32	166.41
19541	2,774.56	3,945.46	4,566.67	5,222.11	5,933.46	6,496.07
19561	2,829.45	4,012.45	4,638.30	5,308.16	6,040.00	6,633.52
19581	86.53	140.81	170.84	205.84	243.66	278.06
19601	88.66	142.65	171.88	205.60	246.45	276.97
19621	2,927.10	4,110.05	4,771.74	5,486.84	6,229.27	6,880.08
19641	3,139.50	4,373.14	5,035.93	5,830.05	6,723.20	7,495.17
19661	3,187.55	4,462.92	5,175.45	6,048.57	6,970.63	7,747.69



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