

**APPENDIX I**

**PEAK DISCHARGE SUMMARY TABLE**

**Table 1: Peak Discharge Summary\***

POI	Existing Q1-YR	Proposed Q1-YR	Q1-YR Net	Existing Q10-YR	Proposed Q10-YR	Q10-YR Net	Meets Quantity Requirement
<b>(CFS)</b>							
POI-SA110500	29.2	36.3	7.1	58.6	70.2	11.6	NO <sup>+</sup>
POI-SA111028	4.9	7.0	2.1	18.7	21.1	2.4	NO <sup>+</sup>
LOI-SA111083	0.3	0.2	-0.1	1.0	0.5	-0.5	YES
POI-SA111120	3.1	8.9	5.8	6.8	17.5	10.7	NO <sup>+</sup>
LOI-SA111156	0.6	0.6	0.0	1.7	1.7	0.0	YES
LOI-SA111213	0.1	0.1	0.0	0.2	0.2	0.0	YES
LOI-SA111302	0.2	0.2	0.0	0.7	0.7	0.0	YES
LOI-SA111384	0.2	0.2	0.0	0.6	0.5	-0.1	YES
POI-SA111426	1.6	0.2	-1.4	3.3	0.4	-2.9	YES
LOI-SA111553	0.2	0.2	0.0	0.7	0.6	-0.1	YES
POI-SA111619	138.5	138.4	-0.1	420.0	419.8	-0.2	YES
POI-SA111741	0.1	0.1	0.0	0.5	0.5	0.0	YES
POI-SA111764	9.3	8.4	-0.9	29.3	25.1	-4.2	YES
POI-SA112000	0.8	0.6	-0.2	7.6	5.3	-2.3	YES
POI-SA112072	0.2	0.1	-0.1	0.3	0.1	-0.2	YES
POI-SA112196	8.1	7.4	-0.7	25.4	24.3	-0.9	YES
POI-SA112203	0.1	0.0	-0.1	0.2	0.1	-0.1	YES
POI-SA112241	48.6	47.8	-0.8	143.8	142.2	-1.5	YES
POI-SA114111	0.4	0.4	0.0	2.1	2.1	0.0	YES
POI-SA114317	0.1	0.2	0.1	0.8	0.8	-0.1	NO <sup>+</sup>
LOI-SA114473	0.0	0.0	0.0	0.1	0.1	0.0	YES
POI-SA114507	9.0	8.1	-0.9	25.6	20.3	-5.3	YES
LOI-SA115000	0.0	0.0	0.0	0.5	0.4	-0.1	YES
LOI-SA115066	0.0	0.1	0.1	0.7	1.0	0.3	NO <sup>+</sup>
POI-SA115448	0.2	0.0	-0.2	0.8	0.2	-0.6	YES
POI-SA115468	1.0	0.8	-0.2	5.0	3.7	-1.4	YES
LOI-SA115949	0.0	0.0	0.0	1.3	1.2	-0.1	YES
LOI-SA116047	0.0	0.0	0.0	0.2	0.2	0.0	YES
POI-SA116706	12.8	8.4	-4.4	38.5	26.4	-12.1	YES
POI-SA117496	3.4	0.6	-2.8	9.1	8.1	-1.0	YES
LOI-SA117722	0.0	0.0	0.0	0.2	0.2	0.0	YES
POI-SA118081	6.4	6.4	0.0	22.3	21.7	-0.6	YES
LOI-SA118255	0.0	0.0	0.0	0.2	0.2	0.0	YES
LOI-SA118371	0.1	0.1	0.0	0.5	0.5	0.0	YES
POI-SA118446	0.0	0.0	0.0	0.2	0.1	-0.1	YES
LOI-SA118514	0.0	0.0	0.0	0.1	0.1	0.0	YES
POI-SA118587	0.7	0.1	-0.6	2.1	0.3	-1.8	YES
POI-SA118660	0.0	0.0	0.0	0.2	0.2	0.0	YES

POI	Existing Q1-YR	Proposed Q1-YR	Q1-YR Net	Existing Q10-YR	Proposed Q10-YR	Q10-YR Net	Meets Quantity Requirement
	(CFS)						
LOI-SA118731	0.0	0.1	0.1	0.3	0.3	0.0	NO <sup>‡</sup>
LOI-SA118810	0.3	0.2	-0.1	1.4	1.0	-0.4	YES
LOI-SA119151	0.2	0.2	0.0	0.7	0.7	0.0	YES
POI-SA119426	0.9	0.6	-0.3	3.2	1.8	-1.4	YES
POI-SA119509	1399.4	1399.8	0.4	4801.7	4802.3	0.6	NO <sup>§</sup>
POI-SA119515	0.4	0.2	-0.2	1.1	0.8	-0.3	YES
LOI-SA119528	0.6	0.4	-0.2	2.0	1.4	-0.6	YES
LOI-SA119543	1.7	1.7	0.0	4.5	4.5	0.0	YES
LOI-SA119590	0.2	0.2	0.0	0.3	0.3	0.0	YES
POI-SA119610	4.2	4.1	-0.1	14.4	14.4	0.0	YES
POI-SA119614	4.0	3.3	-0.7	10.3	10.2	-0.1	YES
POI-SA120162	0.8	0.0	-0.8	1.6	0.1	-1.5	YES
LOI-SA120278	0.6	0.3	-0.3	1.5	0.9	-0.6	YES
POI-SA120472	1.8	0.1	-1.7	5.2	0.2	-5.0	YES
LOI-SA120686	0.1	0.1	0.0	0.4	0.3	-0.1	YES
LOI-SA120806	0.0	0.0	0.0	0.1	0.1	0.0	YES
POI-SA120854	0.4	0.4	0.0	1.4	1.4	0.0	YES
LOI-SA120975	0.1	0.1	0.0	0.3	0.3	0.0	YES
POI-SA121035	2.2	2.1	-0.1	7.5	6.7	-0.8	YES
LOI-SA121359	0.3	0.3	0.0	1.0	1.0	0.0	YES
LOI-SA121427	0.2	0.2	0.0	1.0	0.8	-0.2	YES
LOI-SA121776	0.1	0.1	0.0	0.2	0.2	0.0	YES
POI-SA121792	1345.8	1344.5	-1.3	4545.9	4540.7	-5.2	YES
LOI-SA122510	0.0	0.0	0	0.2	0.2	0	YES
POI-SA122745	0.1	0	-0.1	1.1	0.3	-0.8	YES
POI-SA122782	1.3	0.7	-0.6	4.7	4.5	-0.2	YES
POI-SB205850	307.1	310.3	3.2	865.3	874.2	8.9	NO <sup>‡</sup>
POI-SA203240E	7.3	7.2	-0.1	31.4	29.9	-1.5	YES
POI-SA204210E	3.8	3.7	-0.1	15.2	14.6	-0.6	YES
LOI-SB209800	3.3	2.7	-0.6	6.2	6.2	0	YES
POI-SB500287	603.6	601.6	-2.0	1878.1	1877.8	-0.3	YES
POI-SB212661	13.3	11.9	-1.4	63.1	53.80	-9.3	YES
POI-SB208944W	2.3	1.9	-0.4	7.1	6.2	-0.9	YES
POI-SB208287W	191.0	173.9	-17.1	447.8	444.1	-3.7	YES
POI-SB207661W	105.7	100	-5.7	283.4	279.8	-3.6	YES
POI-SB206302W	2.5	2.4	-0.1	46.1	45.2	-0.9	YES
POI-SB211106	32.4	28.10	-4.3	75.4	64.3	-11.1	YES
POI-SB210874	18.2	13.9	-4.3	43.5	32.5	-11.0	YES
LOI-SB212801	0.0	0.0	0.0	0.7	0.3	-0.4	YES

POI	Existing Q1-YR	Proposed Q1-YR	Q1-YR Net	Existing Q10-YR	Proposed Q10-YR	Q10-YR Net	Meets Quantity Requirement
(CFS)							
LOI-SB211796	0.4	0.1	-0.3	10.1	4.3	-5.8	YES
LOI-SB211411	0.0	0.0	0.0	0.40	0.20	-0.20	YES
LOI-SB208996W	0.2	0.0	-0.2	2.3	1.0	-1.3	YES
LOI 207852W	0.6	0.3	-0.4	2.4	0.9	-1.5	YES
LOI 206697W	0	0	0	.30	0.3	0	YES
LOI 205654W	1.2	1.2	0.0	2.5	2.5	0.0	YES
LOI 206621W	0.8	0.8	0.0	1.9	1.9	0.0	YES
LOI-SB207600	0	0	0	0.4	0.5	0.1	NO <sup>‡</sup>
LOI-SB205800	0.2	0.3	0.1	1.4	1.3	-0.1	NO <sup>‡</sup>
LOI-SA203000E	0	0	0	0.2	0.1	-0.1	YES
LOI-SA203100E	0	0	0	0.2	0.1	-0.1	YES
LOI-SA203700E	0	0	0	0.3	0.1	-0.2	YES
LOI-SA204100E	0	0	0	0.2	0.2	0	YES
LOI-SA204500E	0	0	0	0.5	0.3	-0.2	YES
LOI-SA205100E	0	0	0	1.1	1.1	0	YES
LOI-SA202400E	0.2	0.2	0	0.6	0.6	0	YES
LOI-SB203469W	0	0	0	0.1	0.1	0	YES
POI-SB202965W	24.9	24.8	-0.1	74.7	74.6	-0.1	YES
LOI-SB204808W	0	0	0	0	0	0	YES
POI-SB204812W	7.4	7.4	0	17.5	17.5	0	YES
LOI-SB204851W	0	0	0	0	0	0	YES
LOI-SB204891W	0	0	0	0.1	0.1	0	YES
POI-SB204876W	0.9	0.9	0	2.1	2.1	0	YES
LOI-SB204853W	0	0	0	0.2	0.2	0	YES
POI-SB204552W	1.3	1.3	0	5.7	5.6	-0.1	YES
LOI-SB204335W	0	0	0	0.3	0.3	0	YES
LOI-SB202867W	0	0	0	0.3	0.3	0	YES
POI-SB202469W	112.3	110.5	-1.8	319.5	312.8	-6.7	YES
LOI-SB202212W	0	0	0	0.5	0.5	0	YES
LOI-SB201274W	0.2	0.2	0	1.7	1.6	-0.1	YES
POI-SB201647W	123	121.9	-1.1	252.6	252.5	-0.1	YES
POI-SB200922W	0	0	0	0.1	0.1	0	YES
LOI-SB200700W	0.1	0	-0.1	0.5	0.4	-0.1	YES
LOI-SB201196W	0.4	0.4	0	2.1	2	-0.1	YES
LOI-SB200006W	0.1	0	-0.1	0.6	0.3	-0.3	YES
POI-SB199801W	1.5	1.5	0	2.8	2.7	-0.1	YES
POI-SB199663W	94.9	94.3	-0.6	321.6	319.4	-2.2	YES
POI-SB199564W	1.4	0.7	-0.7	4.1	4.1	0	YES
POI-SA122984	0	0	0	0.8	0.8	0	YES

POI	Existing Q1-YR	Proposed Q1-YR	Q1-YR Net	Existing Q10-YR	Proposed Q10-YR	Q10-YR Net	Meets Quantity Requirement
	(CFS)						
POI-SB501744	5.051	4.96	-0.0	16.9	14.6	-2.3	YES
LOI-SB501863 <sup>++</sup>	-	-	-	-	-	-	N/A
POI-SB502365	22.2	22.1	-0.1	63.0	62.4	-0.6	YES
POI-SB504355	66.9	67.8	0.9	207.6	205.5	-2.1	YES
POI-SB506024	428	428	0	1488	1488	0	YES
POI-SB506038	6.92	4.96	-1.96	16.2	12.0	-4.2	YES
POI-SB506375	8.60	11.18	2.58	33.2	27.7	-5.5	YES
POI-SB506660	465	465	0	1605	1605	0	YES
LOI-SB506717	-	-	-	-	-	-	N/A
POI-SB507229	11.55	10.27	-1.28	29.9	26.6	-3.3	YES
POI-SB507492	3.02	2.68	-0.34	12.9	9.7	-3.2	YES
POI-SB507832	0.11	0.00	-0.11	2.78	0.66	-2.12	YES
LOI-SB509352	-	-	-	-	-	-	N/A
POI-SB508964	32.8	28.6	-4.2	78.5	66.4	-12.1	YES
POI-SB510144	53.5	33.3	-20.2	154.2	89.3	-64.9	YES
LOI-SB511139	-	-	-	-	-	-	N/A
POI-SB511692	16.5	16.4	-0.1	41.7	37.14	-4.6	YES
POI-SB511923	48.8	48.4	-0.4	178.8	176.8	-2.0	YES
POI-SB52100	2.07	3.93	1.86	5.84	8.26	2.42	NO <sup>‡</sup>
POI SB607375	546.13	545.19	-0.94	1581.93	1581.18	-0.75	YES
POI SB607510	1.83	1.99	0.16	5.66	4.38	-1.28	YES
POI SB607070	13.97	22.40	8.43	79.26	54.42	-24.84	YES
POI SB604950	74.43	64.81	-9.62	246.64	222.19	-24.45	YES
POI SB603680	49.01	46.37	-2.64	128.42	122.45	-5.97	YES
POI SB603005	58.49	49.28	-9.21	141.73	126.44	-15.29	YES
POI SB062100	16.04	16.04	0	30.55	30.55	0	YES
POI SB060100	3.07	2.76	-0.31	8.09	7.5	-0.59	YES
POI SB600492	8.11	6.38	-1.73	21.58	19.96	-1.62	YES
POI SB600000	1.25	1.14	-0.11	14.88	11.73	-3.15	YES
POI-SB701573	9.0	8.9	-0.1	29.3	27.2	-1.8	YES
POI-SB702310	6.6	5.4	-1.2	12.2	10.3	-1.9	YES
POI-SB71501	2.5	0.3	-2.2	6.4	1.3	-5.1	YES
LOI-SB71521	0.7	0.5	-0.2	1.4	1.1	-0.3	YES
LOI-SB70000	0.3	0.1	-0.2	0.9	0.5	-0.4	YES
POI-SB70366	68.2	67.6	-0.6	142.5	141.8	-0.7	YES
POI-SB703640	31.6	29.9	-1.7	64.0	61.1	-2.9	YES
LOI-SB704235	0.6	0.2	-0.4	1.8	0.5	-1.3	YES
POI-SB704742	1.7	0.3	-1.4	3.6	0.8	-2.8	YES
POI-SB704838	52.9	51.1	-1.8	103.9	103.5	-0.4	YES

POI	Existing Q1-YR	Proposed Q1-YR	Q1-YR Net	Existing Q10-YR	Proposed Q10-YR	Q10-YR Net	Meets Quantity Requirement
(CFS)							
POI-SB706531	2.3	2.3	-	4.6	4.5	-0.1	YES
POI-SB706749	3.5	3.2	-0.3	7.2	6.6	-0.6	YES
LOI-SB707001	0.3	0.2	-0.1	2.1	1.7	-0.4	YES
POI-SB707519	5.8	3.9	-1.9	13.9	6.2	-7.7	YES
POI SB804740	393.5	387.2	-6.3	1149.5	1127.6	-21.9	YES
POI SB804186	247.7	247.6	-0.06	465.5	457.5	-7.9	YES
POI SB804581	10.8	6.8	-4.0	25.6	19.7	-5.9	YES
POI SB804038	14.8	15.6	0.89	67.8	67.3	-0.5	NO <sup>‡</sup>
POI SB803886	5.3	5.7	0.4	14.9	11.5	-3.4	NO <sup>‡</sup>
POI SB803770	41.5	41.5	0.00	100.7	100.7	0.0	YES
POI SB801364	179.9	197.7	17.8	332.9	330.3	-2.6	NO <sup>‡</sup>

\*The discharges presented in Table 1 are based on the Stormwater Management Concept design from October 2021. The discharges may change based on the more refined final design. Variance and Waiver approval for discharge increases will happen during final design and be based on the more refined final design.

<sup>†</sup>Waiver 3.3.B.2.a applies due to direct discharge to Potomac River.

<sup>‡</sup>Minor increase in peak discharges due to conversion of woods to open space within limit of disturbance. Section 3.3.B.3 waivers are being requested for Qp10, and variances are being requested for Qp1.

<sup>§</sup>Study area for Cabin John Creek. Peak flow analysis demonstrates that overall peak flows in Cabin John Creek increase slightly in proposed conditions, but increase is de minimis compared to the overall flow in Cabin John Creek. A waiver is being requested under Section 3.3.B.3 of the guidelines, pending concurrence from the local jurisdiction.

<sup>††</sup>The drainage area to this LOI consists primarily of a staging area and no improvements are taking place. Therefore, stormwater management for water quality and quantity is not required.