

Appomattox River Flows

Year: 2011

Month	Day	Flow Over Dam (inches)	Flow (cfs)						VWP Permit Release	Hopewell Agreement Release	Deep Creek		(New) Adjusted	(Old) Mattoax	Raw Water Withdrawn (MGD)	Finished Water Demands (MGD)
			Farmville (P)	Mattoax (P)	Mattoax (A)	River Rd	Deep Creek	Matoaca (P)			Near Mannboro		Deep Creek Plus Mattoax (CFS)	Flow X Watershed Multiplier (CFS)		
											Raw Flow (CFS)	Adjusted Flow (CFS)				
Dec	31	-1.5	123	340			50	416	190	155	50.25	193.06	533	625	25	24
January	1	0.2	122	344			53	414	190	155	53.24	204.55	549	633	25	21
	2	0.4	134	362			65	307	190	155	64.63	248.31	610	666	25	21
	3	-1.0	147	396			75	608	190	155	75.48	289.99	686	728	25	20
	4	-2.0	140	421			72	667	190	155	72.13	277.12	698	774	24	22
	5	-2.0	132	408			64	577	190	155	63.82	245.20	653	751	24	22
	6	-2.0	126	384			59	443	190	155	59.35	228.02	612	706	27	25
	7	-1.4	123	372			55	437	190	155	54.78	210.46	582	684	24	20
	8	-1.8	123	359			53	506	190	155	53.24	204.55	563	660	27	24
	9	-3.0	109	346			47	482	190	155	47.25	181.53	528	637	26	24
	10	-3.3	104	343			53	389	190	155	53.07	203.89	547	630	27	21
	11	-2.0	127	314			46	281	190	155	46.30	177.88	491	577	21	20
	12	-1.4	111	341			44	297	190	155	44.49	170.93	512	627	24	22
	13	-1.1	101	329			46	388	190	155	45.86	176.19	506	606	26	23
	14	-1.7	99	332			55	372	190	155	54.72	210.23	542	610	29	24
	15	-1.6	131	313			53	319	190	155	52.63	202.20	515	576	28	23
	16	-1.0	118	329			44	317	190	155	43.73	168.01	497	605	21	21
	17	-0.4	107	340			44	399	190	155	44.01	169.09	509	626	28	28
	18	-1.0	107	329			50	513	190	155	50.17	192.75	521	605	24	22
	19	-1.8	117	326			56	428	190	155	55.71	214.04	540	600	30	25
	20	-1.4	127	323			56	429	190	155	55.83	214.50	538	595	21	17
	21	-1.9	123	330			52	435	190	155	52.01	199.82	530	607	26	24
	22	-1.8	119	325			46	400	190	155	45.51	174.85	499	597	23	21
	23	-0.8	105	309			38	330	190	155	38.17	146.65	456	569	26	22
	24	-0.6	111	264			39	315	190	155	39.05	150.03	414	485	19	19
	25	-0.4	135	216			38	308	190	155	38.14	146.53	363	398	28	23
	26	0.2	164	289			69	482	190	155	68.52	263.25	553	532	27	24
	27	2.0	275	687			206	904	190	155	205.61	789.97	1477	1264	25	21
	28	3.9	264	910			269	1,233	190	155	269.45	1035.23	1945	1674	23	19
	29	4.6	219	774			175	1,330	190	155	174.99	672.31	1447	1425	28	25
	30	3.3	190	586			122	1,159	190	155	122.25	469.68	1056	1079	25	21
	31	1.3	171	445			102	867	190	155	102.44	393.57	839	820	23	20
February	1	0.3	146	377			87	687	190	155	86.94	334.02	711	694	25	23
	2	0.5	187	396			86	595	190	155	85.74	329.41	725	728	24	21
	3	0.3	217	514			88	594	190	155	88.29	339.21	853	946	25	22
	4	0.8	176	505			83	716	190	155	83.41	320.46	825	929	20	18
	5	0.1	166	436			80	787	190	155	79.76	306.44	742	802	24	21
	6	-0.7	173	410			86	645	190	155	86.10	330.80	741	754	29	22
	7	-0.6	158	395			87	602	190	155	87.49	336.14	731	727	25	22
	8	-1.2	144	361			81	635	190	155	80.68	309.97	671	664	24	22
	9	-1.2	131	316			70	478	190	155	70.13	269.44	586	582	27	24
	10	-0.8	124	295			65	432	190	155	65.29	250.84	546	542	23	19
	11	-0.4	118	274			60	400	190	155	59.98	230.44	504	503	27	23
	12	-0.2	113	253			57	374	190	155	56.98	218.92	472	466	28	26
	13	-0.1	112	236			55	411	190	155	55.10	211.69	448	434	26	23
	14	-1.7	110	252			54	487	190	155	54.00	207.47	460	464	24	22
	15	-3.2	104	254			51	379	190	155	51.48	197.79	452	468	23	21

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					Mattoax (A)	River Rd	Deep Creek	Matoaca (P)			Raw Flow (CFS)	Adjusted Flow (CFS)				
	16	-2.2	101	242			49	247	190	155	48.83	187.60	429	445	25	21
	17	-1.9	100	230			48	314	190	155	47.86	183.88	414	423	25	22
	18	-1.9	101	229			48	325	190	155	47.96	184.26	414	422	28	25
	19	-2.5	100	231			48	380	190	155	47.51	182.53	414	426	25	24
	20	-2.8	95	227			45	289	190	155	45.46	174.66	401	417	29	25
	21	-2.2	93	228			44	235	190	155	44.00	169.05	397	419	24	21
	22	-1.2	100	226			44	261	190	155	44.00	169.05	395	416	24	17
	23	-1.2	100	223			44	352	190	155	44.00	169.05	392	410	24	21
	24	-2.1	100	219			44	325	190	155	43.84	168.43	388	404	26	23
	25	-1.8	120	235			53	338	190	155	53.38	205.09	441	433	20	17
	26	-1.5	135	249			65	338	190	155	65.09	250.08	499	458	24	22
	27	-1.4	126	264			68	360	190	155	67.98	261.18	525	486	24	21
	28	-1.4	138	275			65	416	190	155	65.00	249.73	525	506	22	21
March	1	-1.0	306	359			116	679	190	155	116.22	446.52	805	660	25	20
	2	-1.9	298	645			154	724	190	155	153.80	590.90	1236	1187	26	26
	3	-1.2	211	688			120	846	190	155	120.22	461.89	1149	1265	26	23
	4	-1.4	170	479			88	694	190	155	87.76	337.17	816	881	22	19
	5	-1.7	151	377			74	603	190	155	73.59	282.73	660	694	26	22
	6	-1.7	292	349			75	612	190	155	74.69	286.96	636	642	24	21
	7	0.1	1,230	1,172			129	979	190	155	128.92	495.31	1667	2156	27	23
	8	5.4	660	2,046			160	1,641	190	155	159.70	613.57	2659	3764	27	20
	9	8.7	391	1,851			123	2,381	190	155	122.86	472.03	2323	3406	21	21
	10	9.1	452	1,236			143	2,360	190	155	142.94	549.18	1785	2274	30	23
	11	10.9	1,225	1,296			303	3,233	190	155	303.38	1165.59	2462	2385	30	25
	12	11.2	723	2,042			381	3,392	190	155	381.18	1464.49	3507	3757	21	19
	13	10.9	442	1,790			221	3,205	190	155	220.59	847.51	2637	3293	23	19
	14	8.1	327	1,144			145	2,461	190	155	145.24	558.01	1702	2106	26	21
	15	4.2	272	921			114	1,532	190	155	114.34	439.29	1360	1694	24	22
	16	4.2	317	1,003			174	1,326	190	155	173.60	666.97	1670	1846	25	20
	17	6.7	299	1,100			302	1,723	190	155	302.33	1161.55	2262	2024	22	20
	18	6.9	251	1,039			229	1,646	190	155	229.22	880.66	1920	1912	24	23
	19	5.5	243	833			150	1,552	190	155	149.74	575.30	1408	1532	21	18
	20	3.4	212	681			117	1,094	190	155	116.58	447.90	1129	1253	25	22
	21	2.4	184	603			99	906	190	155	98.64	378.97	982	1109	25	19
	22	1.8	179	534			109	806	190	155	108.75	417.82	952	983	26	24
	23	1.3	187	510			104	757	190	155	103.85	398.99	909	939	27	23
	24	0.7	182	468			99	755	190	155	98.69	379.17	847	861	29	23
	25	0.4	172	473			93	698	190	155	92.88	356.84	830	870	25	24
	26	0.1	152	421			83	634	190	155	82.94	318.66	740	775	24	19
	27	0.1	148	383			77	669	190	155	76.60	294.30	677	704	26	22
	28	-0.6	153	359			76	574	190	155	75.84	291.38	650	661	24	23
	29	-0.4	149	345			72	481	190	155	72.19	277.35	622	634	30	25
	30	-0.7	144	330			67	567	190	155	67.17	258.07	588	607	31	25
	31	-0.7	161	333			71	276	190	155	71.44	274.47	607	612	24	20
April	1	2.5	169	355			78	416	190	155	77.74	298.68	654	654	21	20
	2	1.0	158	363			77	852	190	155	77.21	296.64	660	668	23	23
	3	0.0	143	337			71	599	190	155	71.14	273.32	610	619	26	20

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			Farmville (P)	Mattoax (P)	Mattoax (A)	River Rd	Deep Creek	Matoaca (P)			Near Mannboro		Adjusted	Mattoax			Mattoax
											Raw Flow (CFS)	Adjusted Flow (CFS)	Deep Creek Plus Mattoax (CFS)	Flow X Watershed Multiplier (CFS)			
	4	0.0	133	304			62	494	190	155	62.39	239.70	543	558	23	22	
	5	-0.5	161	294			60	571	190	155	60.20	231.29	525	541	25	22	
	6	-1.0	188	321			67	556	190	155	66.85	256.84	577	590	21	20	
	7	-2.0	161	354			67	570	190	155	67.05	257.61	611	651	31	28	
	8	-1.5	147	330			64	437	190	155	64.31	247.08	577	608	30	25	
	9	-0.5	154	344			71	536	190	155	71.43	274.43	618	633	21	20	
	10	-0.6	173	390			75	785	190	155	75.16	288.76	679	718	29	26	
	11	-1.0	179	391			79	678	190	155	79.13	304.02	695	719	30	28	
	12	-1.0	178	390			74	636	190	155	74.28	285.38	676	718	31	28	
	13	-1.3	300	429			68	594	190	155	68.08	261.56	690	789	30	27	
	14	-1.7	272	946			62	842	190	155	61.70	237.04	1183	1741	32	29	
	15	-1.6	208	769			56	775	190	155	55.78	214.31	983	1414	32	29	
	16	-1.0	259	591			68	895	190	155	68.06	261.49	852	1087	23	21	
	17	3.1	494	1,123			268	1,482	190	155	267.65	1028.31	2151	2066	23	22	
	18	6.9	388	1,406			388	2,128	190	155	387.68	1489.47	2895	2586	27	24	
	19	6.5	262	1,066			183	2,113	190	155	182.53	701.28	1768	1962	29	27	
	20	3.6	211	735			116	1,528	190	155	115.94	445.44	1181	1353	32	29	
April	21	1.6	182	552			87	1,133	190	155	87.30	335.41	887	1015	29	26	
	22	-1.0	158	442			70	867	190	155	69.84	268.33	711	814	28	25	
	23	-1.3	164	388			69	793	190	155	69.13	265.60	653	713	24	22	
	24	2.0	168	376			69	668	190	155	68.77	264.21	641	693	26	23	
	25	-0.2	148	366			64	570	190	155	64.36	247.27	613	673	35	32	
	26	-0.2	131	323			55	559	190	155	54.74	210.31	533	594	29	26	
	27	0.1	137	280			46	489	190	155	46.26	177.73	457	515	42	38	
	28	-0.1	223	284			41	484	190	155	41.32	158.75	443	523	34	31	
	29	-0.1	308	552			57	664	190	155	57.03	219.11	771	1016	38	34	
	30	-0.8	215	623			63	779	190	155	63.02	242.12	865	1145	32	28	
May	1	-0.5	153	433			52	680	190	155	52.21	200.59	633	796	27	25	
	2	-1.2	131	303			41	551	190	155	40.74	156.52	459	557	37	33	
	3	-0.4	119	248			35	459	190	155	34.52	132.63	381	457	31	29	
	4	-1.0	328	310			61	688	190	155	60.94	234.13	544	571	30	26	
	5	-1.4	401	858			140	904	190	155	139.97	537.76	1396	1580	28	26	
	6	-0.2	243	884			132	1,037	190	155	131.98	507.07	1391	1627	33	29	
	7	-0.6	178	542			79	1,070	190	155	78.54	301.75	843	996	30	28	
	8	-0.6	149	372			55	620	190	155	54.70	210.15	582	684	27	25	
	9	-1.4	134	293			44	620	190	155	44.13	169.53	463	539	34	31	
	10	-1.8	119	251			37	431	190	155	36.69	140.96	392	461	32	30	
	11	-0.5	106	222			32	350	190	155	31.79	122.14	344	408	35	31	
	12	-0.1	98	201			28	301	190	155	28.04	107.73	309	370	30	27	
	13	-0.4	97	187			26	351	190	155	25.77	99.01	286	343	34	29	
	14	-0.3	123	189			32	376	190	155	31.70	121.78	311	348	26	25	
	15	0.4	181	260			82	518	190	155	82.01	315.08	575	479	28	25	
	16	0.4	322	385			95	730	190	155	95.19	365.72	751	709	25	21	
	17	-0.3	499	1,057			91	890	190	155	90.53	347.82	1404	1944	30	27	
	18	5.2	463	1,200			71	1,111	190	155	70.76	271.86	1472	2208	29	26	
	19	2.6	349	1,101			57	1,241	190	155	56.90	218.59	1320	2026	27	25	
	20	1.4	232	890			45	1,153	190	155	45.24	173.81	1063	1637	29	25	

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					Mattoax (A)	River Rd	Deep Creek	Matoaca (P)			Raw Flow (CFS)	Adjusted Flow (CFS)				
	21	0.2	183	580			38	1,008	190	155	38.38	147.46	727	1067	33	29
	22	-1.3	151	427			32	696	190	155	32.25	123.90	551	785	30	29
	23	-1.0	153	342			28	320	190	155	28.49	109.46	452	630	39	33
	24	0.3	152	318			26	386	190	155	26.35	101.24	419	586	33	30
	25	-0.6	128	289			26	494	190	155	25.80	99.12	389	533	37	35
	26	-1.2	109	257			24	368	190	155	23.98	92.13	349	473	39	35
	27	-0.9	95	221			21	312	190	155	21.47	82.49	303	406	40	36
	28	-0.5	94	203			24	296	190	155	24.29	93.32	297	374	30	27
	29	0.0	94	210			28	304	190	155	27.74	106.58	316	386	29	26
	30	-0.3	88	189			33	374	190	155	32.61	125.29	315	348	35	33
	31	-0.3	80	177			27	293	190	155	27.41	105.31	282	325	35	32
June	1	-1.1	72	159			22	240	190	155	22.43	86.18	245	292	43	39
	2	-0.2	66	148			18	93	190	155	17.64	67.77	216	272	45	42
	3	-0.5	59	138			14	166	190	155	13.81	53.06	191	253	39	35
	4	-0.4	53	127			11	133	190	155	10.51	40.38	168	234	43	39
	5	-0.8	50	123			9	188	168	155	9.12	35.04	158	226	34	32
	6	-0.4	54	117			8	139	158	155	8.05	30.93	148	215	34	30
	7	-0.9	52	113			7	141	148	155	6.66	25.59	138	207	35	33
	8	-1.0	48	111			6	139	138	155	5.86	22.51	134	205	39	35
	9	-1.6	44	107			5	135	134	155	5.33	20.48	127	196	47	43
	10	-1.8	41	104			4	131	127	155	4.47	17.17	121	191	42	38
	11	-2.7	37	105			4	148	121	155	3.79	14.56	119	193	43	34
	12	-2.8	44	136			3	128	119	155	3.21	12.33	149	251	32	28
	13	-1.7	44	109			14	122	149	155	14.43	55.44	164	200	32	29
	14	-2.9	63	141			52	152	164	155	52.30	200.94	342	260	33	30
	15	-1.3	56	132			34	171	190	155	34.09	130.97	263	243	40	37
	16	-3.0	48	129			22	182	190	155	21.83	83.87	213	237	35	31
	17	-4.0	51	131			16	182	190	155	16.05	61.66	193	241	37	35
	18	-3.2	53	132			14	180	190	155	14.05	53.98	185	242	34	30
	19	-5.1	49	126			14	179	185	155	14.00	53.79	180	232	33	31
	20	-5.0	50	131			14	182	180	155	14.22	54.63	186	241	35	31
	21	-6.4	46	127			15	174	186	155	14.74	56.63	184	234	32	29
	22	-7.0	43	125			13	177	184	155	13.39	51.44	176	230	41	37
	23	-7.9	40	117			12	177	176	154	12.01	46.14	163	216	35	32
	24	-8.8	39	112			10	173	163	148	10.46	40.19	153	207	44	40
	25	-9.9	37	109			9	163	153	142	8.78	33.73	142	200	36	33
	26	-11.2	36	107			7	155	142	137	6.89	26.47	133	197	43	39
	27	-12.4	36	105			6	148	133	133	6.30	24.20	129	192	39	34
	28	-12.8	37	102			8	165	129	130	7.61	29.24	131	187	38	33
	29	-12.2	77	106			15	149	131	126	15.40	59.15	165	195	35	30
	30	-12.1	112	103			31	136	165	123	31.02	119.18	222	190	35	33
July	1	-13.5	60	121	121		19	150	190	121	19.12	73.46	194	222	40	37
	2	-14.4	42	141	141		12	175	190	120	12.29	47.22	189	260	41	37
	3	-15.8	35	114	114		9	191	189	120	8.88	34.12	148	209	38	35
	4	-16.3	34	102	102		9	171	148	119	9.45	36.31	139	189	41	38
	5	-16.5	49	148	148		10	111	139	118	10.35	39.76	187	272	34	31
	6	-14.2	51	277	277		20	213	187	119	20.33	78.11	355	510	34	31

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Month	Day	Flow Over Dam (inches)	Flow (cfs)						VWP Permit Release	Hopewell Agreement Release	Deep Creek Near Mannboro		(New) Adjusted Deep Creek Plus Mattoax (CFS)	(Old) Mattoax Flow X Watershed Multiplier (CFS)	Raw Water Withdrawn (MGD)	Finished Water Demands (MGD)
			Farmville (P)	Mattoax (P)	Mattoax (A)	River Rd	Deep Creek	Matoaca (P)			Raw Flow (CFS)	Adjusted Flow (CFS)				
	7	-9.4	62	508	508		45	198	190	124	45.22	173.74	682	935	37	32
	8	-5.1	78	187	187		52	241	190	137	52.22	200.63	388	344	36	32
	9	5.1	170	643	643		176	704	190	140	175.67	674.92	1318	1183	32	29
	10	9.2	160	307	307		320	1,480	190	155	320.23	1230.32	1537	565	31	30
	11	7.0	86	334	336		204	1,026	190	155	203.92	783.46	1118	615	37	34
	12	5.2	60	240	233		74	704	190	155	73.85	283.73	523	441	43	39
	13	2.9	48	164	148		43	431	190	155	43.16	165.82	330	302	51	41
	14	2.0	45	141	119		34	282	190	155	34.06	130.86	272	259	39	37
	15	1.6	43	127	100		29	185	190	155	28.98	111.34	238	233	45	40
	16	0.8	37	119	89		22	133	190	155	21.97	84.41	204	220	43	39
	17	0.2	33	115	82		17	138	190	155	16.51	63.43	178	211	43	40
	18	-1.2	30	108	73		13	161	178	155	12.86	49.41	158	200	48	43
	19	-2.6	28	103	67		11	162	158	155	10.58	40.65	144	190	47	42
	20	-3.4	27	99	64		8	177	144	155	8.31	31.93	131	182	47	43
	21	-4.2	26	96	62		7	143	131	155	6.61	25.40	121	176	47	40
	22	-4.6	26	95	61		6	116	121	155	5.51	21.17	116	174	49	44
	23	-6.0	32	96	62		6	116	116	155	6.35	24.40	120	177	43	39
	24	-6.0	40	141	105		10	118	120	155	9.73	37.38	179	260	42	37
	25	-5.8	40	160	123		11	134	179	155	11.12	42.72	203	294	35	33
	26	-6.1	146	119	119		8	185	190	155	7.96	30.58	150	219	41	37
	27	-7.2	89	97			9	180	150	155	8.61	33.08	130	178	43	41
	28	-7.9	47	135			8	125	130	155	7.90	30.35	165	248	48	43
	29	-8.4	34	104			6	141	165	155	5.81	22.32	126	191	48	44
	30	-9.2	28	75			5	151	126	155	4.52	17.37	93	139	44	40
	31	-9.8	72	69			4	102	93	155	3.99	15.33	85	127	42	38
August	1	-10.3	301	67			4	79	85	155	4.30	16.52	83	122	45	41
	2	-10.8	109	184			5	85	83	155	4.55	17.48	201	338	40	34
	3	-10.2	62	227			4	99	190	155	3.75	14.41	242	418	36	34
	4	-9.5	46	124			3	139	190	155	3.24	12.45	136	228	41	36
	5	-10.1	37	92			3	161	136	155	3.47	13.33	105	169	45	43
	6	-10.9	37	83			4	122	105	155	4.06	15.60	98	152	38	34
	7	-11.5	38	69			4	139	98	155	4.24	16.29	86	127	41	38
	8	-13.1	80	71			6	250	86	151	5.98	22.98	94	131	39	35
	9	-14.2	48	72			6	105	94	132	6.35	24.40	97	133	40	36
	10	-14.8	33	89			4	110	97	124	4.48	17.21	106	163	45	41
	11	-15.5	26	76			3	109	106	116	3.23	12.41	89	140	41	38
	12	-16.1	25	64			3	99	89	111	2.59	9.95	74	119	43	40
	13	-16.6	26	60			3	77	74	107	2.53	9.72	69	110	37	33
	14	-16.9	33	61			2	78	69	105	2.40	9.22	70	112	33	33
	15	-18.4	42	72			3	80	70	102	2.55	9.81	81	132	32	29
	16	-18.2	44	69			2	78	81	101	2.31	8.88	78	127	38	33
	17	-17.6	34	67			2	75	78	99	2.14	8.22	75	122	45	42
	18	-18.7	27	69			2	80	75	98	1.87	7.18	76	127	38	37
	19	-18.8	23	64			2	90	76	97	1.53	5.88	70	118	41	32
	20	-18.8	21	60			3	86	70	96	2.78	10.66	71	111	34	32
	21	-19.8	21	56			3	79	71	94	2.67	10.26	66	102	36	31
	22	-20.1		61			2	97	66	93	2.07	7.95	69	112	36	30

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Month	Day	Flow Over Dam (inches)	Flow (cfs)						VWP Permit Release	Hopewell Agreement Release	Deep Creek Near Mannboro		(New) Adjusted Deep Creek Plus Mattoax (CFS)	(Old) Mattoax Flow X Watershed Multiplier (CFS)	Raw Water Withdrawn (MGD)	Finished Water Demands (MGD)
			Farmville (P)	Mattoax (P)	Mattoax (A)	River Rd	Deep Creek	Matoaca (P)			Raw Flow (CFS)	Adjusted Flow (CFS)				
	23	-20.8		58			1	94	69	92	1.40	5.38	63	106	37	36
	24	-21.6		55			1	76	63	89	0.98	3.75	59	102	38	34
	25	-18.9	29	58			1	69	59	86	0.81	3.09	61	106	35	33
	26	-21.9	92	74			2	65	61	84	2.47	9.49	83	135	34	31
	27	-18.7	100	93			8	273	83	83	7.90	30.35	123	171	31	28
	28	-14.0	86	299			35	219	123	81	34.78	133.62	433	551	21	20
	29	-11.4	67	231			52	159	190	88	51.76	198.86	430	425	29	26
	30	-9.9	49	151			49	224	190	93	48.54	186.49	337	278	31	28
	31	-9.0	38	114			41	201	190	96	40.99	157.48	272	210	30	27
September	1	-9.3	31	86			30	196	190	97	29.74	114.26	201	159	34	30
	2	-10.3	39	75			21	195	190	94	21.46	82.45	157	138	35	33
	3	-11.2	32	70			17	188	157	89	16.84	64.70	135	129	33	29
	4	-11.9	30	70			13	164	135	87	13.06	50.18	120	129	37	35
	5	-13.3	36	72			10	141	120	87	10.12	38.88	111	132	36	34
	6	-12.9	168	164			12	134	111	86	12.17	46.76	210	301	33	29
	7	-9.0	931	746			52	245	190	89	52.07	200.05	946	1372	26	25
	8	-0.4	524	1,433			101	436	190	112	100.53	386.24	1819	2636	26	23
	9	4.3	215	1,142			98	1,488	190	155	97.88	376.04	1518	2101	30	27
	10	1.9	138	470			62	1,261	190	155	62.15	238.76	709	865	26	24
	11	-0.5	102	273			38	569	190	155	37.73	144.96	418	502	31	28
	12	-0.6	84	199			26	332	190	155	26.33	101.16	300	366	31	27
	13	-1.1	73	176			21	291	190	155	20.70	79.52	256	324	33	31
	14	-0.8	66	176			17	293	190	155	17.05	65.51	241	323	39	35
	15	-3.4	68	163			15	294	190	155	14.86	57.09	220	300	37	33
	16	-5.0	80	149			13	213	190	155	12.74	48.95	198	273	36	32
	17	-6.3	67	152			12	217	190	155	11.92	45.80	198	280	32	30
	18	-7.4	63	187			12	203	190	155	11.73	45.07	232	344	39	35
	19	-6.2	61	165			13	196	190	155	12.93	49.67	214	303	34	31
	20	-6.3	61	153			13	190	190	155	12.80	49.18	202	282	37	33
	21	-6.9	66	150			13	193	190	155	12.50	48.03	198	276	41	35
	22	-7.2	96	158			15	195	190	155	14.87	57.11	215	291	31	29
	23	-7.0	1,190	515			23	208	190	155	22.54	86.60	601	947	34	30
	24	-1.2	1,292	2,567			64	353	190	155	63.92	245.57	2813	4724	29	25
	25	8.7	473	3,057			111	2,486	190	155	110.90	426.06	3483	5624	27	24
	26	12.0	245	3,343			101	3,597	190	155	101.45	389.77	3733	6152	30	27
	27	13.4	175	3,383			69	4,046	190	155	68.55	263.37	3647	6225	36	31
	28	13.3	155	1,239			51	4,045	190	155	50.91	195.60	1434	2279	30	28
	29	5.6	153	728			51	1,804	190	155	51.11	196.36	925	1340	28	25
	30	1.0	129	563			47	688	190	155	46.91	180.21	743	1036	37	32
October	1	1.4	105	441			49	341	190	155	48.90	187.86	628	811	28	26
	2	2.0	112	339			37	403	190	155	36.55	140.43	480	624	30	28
	3	1.0	136	267			30	351	190	155	29.54	113.49	381	491	30	28
	4	4.0	122	262			24	312	190	155	24.17	92.85	355	483	34	29
	5	1.3	119	242			21	281	190	155	20.68	79.44	321	445	37	34
	6	1.9	114	218			18	264	190	155	17.75	68.20	286	401	35	31
	7	1.3	110	201			16	327	190	155	15.55	59.74	261	370	37	34
	8	-1.7	109	192			14	733	190	155	14.32	55.02	247	354	38	34

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Month	Day	Flow Over Dam (inches)	Flow (cfs)						VWP Permit Release	Hopewell Agreement Release	Deep Creek		(New) Adjusted	(Old) Mattoax	Raw Water Withdrawn (MGD)	Finished Water Demands (MGD)
			Farmville (P)	Mattoax (P)	Mattoax (A)	River Rd	Deep Creek	Matoaca (P)			Near Mannboro		Deep Creek Plus Mattoax (CFS)	Flow X Watershed Multiplier (CFS)		
											Raw Flow (CFS)	Adjusted Flow (CFS)				
	9	-6.7	106	179			13	578	190	155	13.47	51.75	231	329	37	35
	10	-7.7	105	172			13	178	190	155	12.85	49.37	221	317	39	36
	11	-7.0	104	163			13	166	190	155	12.59	48.37	211	299	41	34
	12	-6.0	122	181			17	128	190	155	17.43	66.95	248	333	31	30
	13	-2.8	1,102	246			43	132	190	155	42.54	163.44	409	452	30	26
	14	-1.2	730	1,657			60	305	190	155	59.51	228.64	1885	3048	35	31
	15	5.6	411	1,840			59	1,442	190	155	58.81	225.96	2066	3385	31	27
	16	4.3	265	995			49	1,611	190	155	48.96	188.10	1183	1831	38	34
	17	1.2	198	624			38	1,070	190	155	37.96	145.83	770	1148	35	32
	18	-1.1	158	436			31	631	190	155	31.09	119.45	556	803	39	36
	19	-1.2	197	423			33	462	190	155	32.51	124.90	548	778	30	28
	20	-2.7	409	865			54	523	190	155	53.74	206.47	1071	1591	34	31
	21	8.3	306	953			63	828	190	155	63.33	243.31	1196	1754	37	38
	22	2.9	198	730			62	957	190	155	61.52	236.36	966	1343	36	34
	23	-1.3	158	482			55	607	190	155	55.03	211.43	694	887	36	32
	24	-0.1	137	369			46	404	190	155	46.28	177.81	547	680	39	34
	25	-2.0	125	327			39	537	190	155	39.26	150.84	478	602	38	34
	26	-1.9	116	291			29	334	190	155	28.89	111.00	402	535	40	36
	27	-1.8	112	265			25	235	190	155	25.24	96.97	362	489	37	32
	28	-1.8	107	243			23	178	190	155	22.69	87.17	330	448	38	35
	29	-1.5	238	372			40	669	190	155	39.61	152.18	524	685	27	26
	30	-1.4	349	919			111	692	190	155	110.85	425.89	1345	1691	36	29
	31	-0.3	246	975			142	1,018	190	155	142.34	546.87	1522	1793	28	26
November	1	0.6	166	698			111	1,093	190	155	111.42	428.06	1126	1284	30	27
	2	-0.8	138	515			79	849	190	155	79.03	303.63	818	947	35	31
	3	5.0	122	430			63	517	190	155	62.71	240.93	671	791	29	25
	4	-1.7	199	425			71	600	190	155	70.80	272.02	697	782	28	25
	5	-0.8	245	728			123	830	190	155	122.56	470.88	1199	1340	30	28
	6	3.8	182	969			149	821	190	155	149.33	573.73	1543	1783	27	23
	7	-0.4	146	689			113	1,037	190	155	112.64	432.74	1122	1267	32	29
	8	-0.5	129	538			83	760	190	155	82.78	318.04	856	990	32	30
	9	-0.3	119	470			69	541	190	155	68.53	263.29	734	866	38	31
	10	0.0	114	436			61	545	190	155	61.49	236.24	672	802	31	25
	11	-1.5	113	419			59	499	190	155	58.96	226.52	645	771	28	25
	12	-2.0	106	337			54	337	190	155	53.95	207.28	544	620	29	26
	13	-1.4	100	300			52	354	190	155	51.68	198.54	499	553	31	27
	14	-1.1	97	274			49	398	190	155	49.18	188.95	463	504	33	28
	15	-1.2	96	262			47	386	190	155	47.22	181.42	444	483	28	25
	16	-1.3	147	286			61	392	190	155	60.63	232.92	519	527	28	25
	17	3.4	774	1,379			292	1,169	190	155	291.95	1121.67	2501	2538	26	23
	18	7.6	635	1,960			621	2,456	190	155	620.83	2385.23	4345	3607	27	24
	19	10.9	387	1,944			551	3,263	190	155	550.70	2115.78	4060	3577	26	22
	20	9.6	262	1,259			215	3,045	190	155	215.19	826.76	2086	2317	26	23
	21	6.1	211	911			138	1,631	190	155	138.45	531.92	1443	1677	26	23
	22	3.2	192	720			114	1,481	190	155	113.63	436.55	1156	1324	25	23
	23	0.6	650	859			118	1,208	190	155	117.59	451.78	1310	1580	30	26
	24	1.5	539	1,545			134	1,196	190	155	134.02	514.90	2060	2843	27	25

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Month	Day	Flow Over Dam (inches)	Farmville (P)	Mattoax (P)	Flow (cfs)				VWP Permit Release	Hopewell Agreement Release	Deep Creek Near Mannboro		(New) Adjusted Deep Creek Plus Mattoax (CFS)	(Old) Mattoax Flow X Watershed Multiplier (CFS)	Raw Water Withdrawn (MGD)	Finished Water Demands (MGD)
					Mattoax (A)	River Rd	Deep Creek	Matoaca (P)			Raw Flow (CFS)	Adjusted Flow (CFS)				
	25	4.7	307	1,275			130	1,647	190	155	129.67	498.19	1773	2346	27	24
	26	3.5	234	908			104	1,534	190	155	104.45	401.30	1309	1670	25	21
	27	1.9	197	691			86	1,087	190	155	86.06	330.64	1021	1271	29	26
	28	0.3	176	575			75	889	190	155	75.36	289.53	865	1058	28	25
	29	-0.3	313	635			92	930	190	155	92.25	354.42	990	1169	26	23
	30	0.3	485	1,177			154	1,084	190	155	153.92	591.36	1769	2166	30	27
December	1	3.5	313	1,263			175	1,388	190	155	175.20	673.11	1936	2324	28	24
	2	4.1	234	954			126	1,530	190	155	125.81	483.37	1437	1755	26	23
	3	2.0	198	714			96	1,250	190	155	96.41	370.41	1084	1314	24	19
	4	-0.1	175	598			82	1,052	190	155	81.79	314.24	912	1099	27	23
	5	-1.5	161	520			74	675	190	155	73.55	282.58	802	956	26	22
	6	-0.9	156	476			69	659	190	155	68.59	263.52	739	875	29	24
	7	-1.1	230	535			72	744	190	155	71.71	275.51	810	984	28	26
	8	1.6	1,250	1,833			198	1,248	190	155	198.11	761.14	2594	3372	30	26
	9	8.3	647	2,172			386	2,633	190	155	386.36	1484.40	3656	3996	26	24
	10	10.6	358	1,976			262	3,300	190	155	261.79	1005.80	2982	3636	26	23
	11	8.9	274	1,115			148	2,685	190	155	148.49	570.50	1686	2052	27	24
	12	4.3	227	891			115	1,599	190	155	115.02	441.91	1333	1640	29	27
	13	1.5	209	723			97	1,208	190	155	97.04	372.83	1096	1330	28	23
	14	-0.7	195	628			87	1,022	190	155	87.17	334.91	963	1156	22	19
	15	-2.0	183	569			79	785	190	155	79.43	305.17	874	1047	24	22
	16	-1.7	183	529			76	690	190	155	76.04	292.15	821	973	29	26
	17	-1.0	235	580			84	753	190	155	84.08	323.04	903	1067	24	21
	18	-1.4	227	667			93	804	190	155	92.80	356.54	1024	1228	28	25
	19	-1.2	193	626			90	852	190	155	89.54	344.01	970	1152	27	22
	20	-1.6	178	541			79	763	190	155	78.81	302.79	844	996	26	24
	21	-1.6	177	496			72	701	190	155	72.03	276.74	772	912	28	24
	22	-1.3	216	509			75	675	190	155	74.95	287.96	797	936	28	25
	23	-0.6	460	815			111	864	190	155	110.97	426.35	1242	1500	27	25
	24	0.5	383	1,122			135	1,055	190	155	134.60	517.15	1639	2064	28	25
	25	2.1	276	1,013			117	1,247	190	155	116.78	448.67	1462	1864	27	23
	26	1.4	234	771			94	1,201	190	155	94.23	362.03	1133	1419	26	24
	27	-0.3	238	683			84	1,062	190	155	84.32	323.96	1007	1257	25	22
	28	-1.1	413	863			106	1,042	190	155	106.35	408.60	1272	1588	29	25
	29	0.2	317	1,001			125	1,035	190	155	124.79	479.44	1480	1841	26	24
	30	1.0	254	873			109	1,108	190	155	109.48	420.62	1293	1606	29	25
	31	1.0	224	689			91	1,090	190	155	91.00	349.62	1039	1268	25	25