

BRUSH CREEK SEWAGE TREATMENT PLANT

Flow History

** Flow is in millions of gallons multiply x 1,000,000

Brush Creek Capacity 4.5 mg

Marshall Allocation .750 mg

Purchased Water (W estView)

Annual allocation 4.087 MGD

2018	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TO DATE
B.C.T.P. FLOW	144.015	157.078	122.943	131.056	97.731	94.6315	102.84	101.042	144.31	128.1680	167.085	138.39	1529.2895
DAILY AVG.	4.8070	5.6100	3.9660	4.3685	3.1526	3.1544	3.3170	3.2590	4.8100	4.1340	5.5670	4.4380	4.2153
MARSHALL FLOW	31.786	33.586	25.568	32.914	27.23	24.502	23.164	25.129	26.65	26.516	28.73	27.265	333.04
DAILY AVG.	1.0254	1.1995	0.8247	1.0971	0.8784	0.8167	0.7472	0.8106	0.8883	0.8554	0.9577	0.8795	0.9150
NEW SEWICKLEY	0.272	0.256	0.174	0.248	0.261	0.265	0.273	0.323	0.219	0.291	0.249	0.260	3.091
DAILY AVG.	0.0088	0.0091	0.0056	0.0083	0.0084	0.0088	0.0088	0.0104	0.0073	0.0094	0.0083	0.0084	0.0085
RAIN FALL	4.55	6.71	3.56	4.45	4.26	3.83	4.08	3.89	10.02	3.51	4.98	3.7	57.53
PURCHASED WATER	2.378	2.15	2.232	2.226	2.515	2.67	2.952	2.764	2.474	3.221	2.167	2.201	2.4958

2017	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TO DATE
B.C.T.P. FLOW	139.977	102.853	133.431	119.332	126.492	100.598	122.186	93.375	85.039	94.5350	131.249	100.73	1349.797
DAILY AVG.	4.5150	3.6730	4.3040	3.9780	4.0800	3.3530	3.9410	3.0120	2.8350	3.0500	4.3750	3.2490	3.6971
MARSHALL FLOW	22.001	20.282	22.023	21.386	23.325	19.701	19.11	25.086	19.899	21.239	31.409	21.068	266.529
DAILY AVG.	0.7097	0.7244	0.7104	0.7129	0.7524	0.6567	0.6165	0.8092	0.6633	0.6851	1.0460	0.6796	0.7305
NEW SEWICKLEY	0.308	0.321	0.308	0.331	0.372	0.346	0.354	0.354	0.280	0.268	0.304	0.259	3.805
DAILY AVG.	0.0099	0.0115	0.0099	0.0110	0.0120	0.0115	0.0114	0.0114	0.0093	0.0086	0.0101	0.0084	0.0104
RAIN FALL	4.28	2.26	5.02	4.11	6.52	4.27	5.3	1.5	2.04	4.16	6.8	1.9	48.19

2016	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TO DATE
B.C.T.P. FLOW	99.045	110.397	119.769	104.253	103.239	103.307	88.574	92.153	93.915	106.5810	88.486	120.854	1230.573
DAILY AVG.	3.1950	3.8070	3.8640	3.4750	3.3000	3.4440	2.8570	2.9730	3.1310	3.4380	2.9500	3.8990	3.3611
MARSHALL FLOW	16.128	15.851	19.516	20.088	20.049	22.656	19.335	20.409	19.396	23.74	17.972	20.346	235.486
DAILY AVG.	0.5202	0.5466	0.6295	0.6480	0.6467	0.7552	0.6237	0.6583	0.6465	0.7658	0.5991	0.6563	0.6413
NEW SEWICKLEY	0.343	0.320	0.351	0.303	0.310	0.399	0.372	0.422	0.407	0.344	0.363	0.326	4.26
DAILY AVG.	0.0111	.01110	0.0113	0.0097	0.0100	0.0133	0.0120	0.0136	0.0136	0.0111	0.0121	0.0105	0.0117
RAIN FALL	2.13	3.12	3.02	3.24	3.5	3.18	4.09	4.21	4.71	4.92	1.15	3.7	40.95

2015	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TO DATE
B.C.T.P. FLOW	91.841	85.395	133.324	121.297	87.954	125.453	111.234	86.842	90.311	100.8760	92.591	107.477	1234.595
DAILY AVG.	2.9630	3.0500	4.3010	4.0430	2.8370	4.1280	3.5880	2.8010	3.0100	3.2540	3.0860	3.4670	3.3773
MARSHALL FLOW	17.24	15.765	20.789	19.378	14.773	23.182	23.277	19.623	18.212	17.019	12.283	18.478	220.019
DAILY AVG.	0.5561	0.5630	0.6706	0.6459	0.4579	0.7727	0.7509	0.6330	0.6070	0.5490	0.4094	0.5961	0.6010
NEW SEWICKLEY	0.536	0.536	0.507	0.493	0.432	0.547	0.390	0.382	0.441	0.371	0.320	0.392	5.347
DAILY AVG.	0.0170	0.0191	0.0163	0.0164	0.0139	0.0182	0.0126	0.0123	0.0147	0.0119	0.0107	0.0126	0.015
RAIN FALL	2.63	2.83	3.83	5.02	1.74	9.52	5.85	3.12	5.04	3.87	1.96	2.7	48.12

2014	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TO DATE
B.C.T.P. FLOW	108.725	97.295	99.328	102.289	116.694	110.456	93.469	98.858	87.264	83.0700	81.786	96.104	1175.338
DAILY AVG.	3.5070	3.4750	3.2040	3.4100	3.7640	3.6820	3.0150	3.1890	2.9090	2.6800	2.7260	3.1000	3.2218
MARSHALL FLOW	17.813	14.919	13.973	15.454	17.082	15.217	10.759	15.849	15.378	14.886	13.111	19.341	183.782
DAILY AVG.	0.5746	0.5328	0.4507	0.5151	0.5510	0.5072	0.3470	0.5112	0.5126	0.4802	0.4370	0.6230	0.5035
NEW SEWICKLEY	0.271	0.157	0.143	0.180	0.204	0.204	0.207	0.249	0.217	0.207	0.180	0.497	2.716
DAILY AVG.	0.0087	0.0050	0.0046	0.0060	0.0065	0.0068	0.0066	0.0080	0.0072	0.0066	0.0060	0.0160	0.007
RAIN FALL	2.14	2.43	2.09	3.97	4.73	5.97	3.7	4.61	0.72	2.39	1.89	2.4	37.08

2013	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TO DATE
B.C.T.P. FLOW	117.89	100.72	121.79	107.878	85.828	99.707	112.873	97.309	86.469	88.8770	94.405	126.163	1239.909
DAILY AVG.	3.8030	3.5970	3.9290	3.5960	2.7680	3.3240	3.6410	3.1390	2.8820	2.8670	3.1470	4.0700	3.3969
MARSHALL FLOW	18.036	15.151	15.633	17.61	14.636	15.481	17.348	16.216	15.281	13.933	15.534	15.844	190.703
DAILY AVG.	0.6012	0.5410	0.5042	0.5870	0.4721	0.5160	0.5596	0.5231	0.5093	0.4494	0.5178	0.5111	0.5243
NEW SEWICKLEY	0.239	0.192	0.179	0.231	0.217	0.219	0.335	0.332	0.332	0.309	0.321	0.221	3.127
DAILY AVG.	0.0070	0.0068	0.0057	0.0077	0.0070	0.0073	0.0108	0.0107	0.0110	0.0090	0.0103	0.0071	0.008
RAIN FALL	2.13	2.18	2.29	3.32	2.09	7.67	6.72	4.91	2.09	2.85	2.91	4.1	43.3

2012	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TO DATE
B.C.T.P. FLOW	124.912	94.844	110.651	82.712	96.149	81.001	94.602	85.296	87.169	100.8660	94.386	124.86	1177.448
DAILY AVG.	4.0290	3.2700	3.5690	2.7570	3.1020	2.7000	3.0520	2.7510	2.9060	3.2540	3.1460	4.0160	3.2127
MARSHALL FLOW	11.554	18.338	14.975	14.12	16.681	16.887	18.556	18.492	15.822	16.913	17.166	16.92	196.424
DAILY AVG.	0.3720	0.5090	0.4830	0.4706	0.5380	0.5629	0.5980	0.5965	0.5274	0.5455	0.5722	0.5458	0.5267
NEW SEWICKLEY	0.280	0.343	0.260	0.302	0.301	0.282	0.297	0.274	0.255	0.264	0.250	0.224	3.332
DAILY AVG.	0.0090	0.0110	0.0072	0.0100	0.0090	0.0094	0.0095	0.0080	0.0085	0.0085	0.0083	0.0072	0.009
RAIN FALL	3.43	2.26	2.97	1.79	4.73	1.88	4.26	1.28	4.51	4.57	0.76	6.0	38.44

2011	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TO DATE
B.C.T.P. FLOW	97.084	128.773	144.617	141.522	125.02	80.602	90.087	92.746	92.8	105.8220	112.282	117.07	1328.425
DAILY AVG.	3.1317	4.5990	4.6651	4.7170	4.0330	2.6867	2.9060	2.9920	3.0950	3.4140	3.7427	3.7760	3.647
MARSHALL FLOW	11.554	17.473	18.740	15.69	12.451	12.72	14.119	15.131	15.488	15.389	17.83	32.89	199.475
DAILY AVG.	0.3270	0.6240	0.6045	0.5060	0.4016	0.4240	0.4554	0.4880	0.5160	0.4964	0.5943	10.6100	1.3373
NEW SEWICKLEY	0.280	0.269	0.239	0.295	0.212	0.336	0.352	0.352	0.350	0.287	0.323	0.317	3.612
DAILY AVG.	0.0090	0.0096	0.0077	0.0090	0.0060	0.0112	0.0113	0.0110	0.0116	0.0090	0.0108	0.0100	0.010
RAIN FALL	1.88	4.18	5.41	7.43	5.5	1.04	5.13	4.37	5.74	3.83	4.17	2.77	51.45

2010	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TO DATE
B.C.T.P. FLOW	113.552	96.047	138.608	91.967	105.724	118.668	85.837	82.501	73.994	81.6650	94.388	104.49	1187.441
DAILY AVG.	3.6630	3.4303	4.4712	3.0656	3.4105	3.9556	2.7689	2.6610	2.4660	2.6343	3.1460	3.3710	3.254
MARSHALL FLOW	15.265	12.539	20.737	11.313	13.861	19.409	14.48	15.745	13.835	12.789	13.803	18.18	181.956
DAILY AVG.	0.4924	0.4478	0.6689	0.3649	0.4471	0.6469	0.4670	0.5079	0.4612	0.4125	0.4601	0.5860	0.4969
NEW SEWICKLEY	0.312	0.247	0.289	0.299	0.266	0.346	0.371	0.390	0.327	0.304	0.324	0.317	3.792
DAILY AVG.	0.0101	0.0088	0.0093	0.0093	0.0080	0.0115	0.0119	0.0120	0.0109	0.0090	0.0010	0.0100	0.010
RAIN FALL	2.8	1.83	2.53	2.85	6.6	4.33	4.22	4.23	2.8	1.97	6.81	1.86	42.83

2009	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TO DATE
B.C.T.P. FLOW	101.914	126.439	107.228	103.391	105.69	91.03	102.194	96.822	79.639	89.8890	87.545	107.668	1199.449
DAILY AVG.	3.2875	4.5157	3.4590	3.4464	3.4094	3.0343	3.2966	3.1233	2.6546	2.8996	2.9182	3.4732	3.293
MARSHALL FLOW	13.713	23.936	12.601	15.086	12.095	16.888	16.032	15.838	15.371	15.667	13.476	15.788	186.491
DAILY AVG.	0.4424	0.8549	0.4065	0.5029	0.4032	0.5629	0.5172	0.5109	0.5124	0.5054	0.4492	0.5093	0.5147
NEW SEWICKLEY	0.330	0.276	0.256	0.323	0.259	0.450	0.334	0.255	0.329	0.347	0.333	0.354	3.846
DAILY AVG.	0.0106	0.0099	0.0085	0.0104	0.0086	0.0145	0.0108	0.0082	0.0110	0.0112	0.0111	0.0114	0.011
RAIN FALL	4.08	1.76	2.93	2.71	3.61	4.98	7.18	3.84	1.83	2.67	1	3.59	40.18

2008	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TO DATE
B.C.T.P. FLOW	106.75	120.88	138.108	97.255	100.511	125.124	92.486	80.028	86.043	94.9280	86.194	112.159	1240.466
DAILY AVG.	3.4435	4.1683	4.4551	3.2418	3.2423	4.1708	2.9834	2.5815	2.8681	3.0622	2.8731	3.6180	3.392
MARSHALL FLOW	13.421	16.251	17.538	13.482	14.594	18.857	15.887	14.722	17.074	16.098	12.748	17.908	188.58
DAILY AVG.	0.4329	0.5604	0.5657	0.4494	0.4865	0.6286	0.5125	0.4749	0.5691	0.5193	0.4249	0.5777	0.565
NEW SEWICKLEY	0.180	0.168	0.179	0.204	0.255	0.345	0.354	0.345	0.351	0.344	0.272	0.391	3.388
DAILY AVG.	0.0058	0.0058	0.0058	0.0068	0.0082	0.0115	0.0114	0.0111	0.0117	0.0111	0.0091	0.0126	0.009
RAIN FALL	2.38	4.95	4.13	2.69	2.77	7.55	1.86	1.19	4.57	2.53	2.42	2.65	39.69

2007	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TO DATE
B.C.T.P. FLOW	127.599	95.014	146.937	121.328	98.623	86.315	91.095	115.92	85.231	87.4310	98.426	130.989	1284.908
DAILY AVG.	4.1161	3.3934	4.7399	4.0443	3.1814	2.8772	2.9385	3.7394	2.8410	2.8204	3.2809	4.2255	3.516
MARSHALL FLOW	13.213	16.568	17.873	24.019	12.198	4.336	8.967	11.709	8.233	6.735	13.991		137.842
DAILY AVG.	0.4262	0.5917	0.5765	0.8006	0.4066	0.1445	0.2893	0.3777	0.2744	0.2173	0.4664	0.0000	0.413
NEW SEWICKLEY	0.398	0.345	0.356	0.395	0.312	0.403				1.870	0.206		4.285
DAILY AVG.	0.0128	0.0123	0.0115	0.0132	0.0104	0.0134	0.0000	0.0000	0.0000	0.0603	0.0066	0.0000	0.012
RAIN FALL	3.66	1.75	4.69	3.14	1.79	2.74	3.48	6.67	2.8	2.09	4	4.88	41.69

2006	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TO DATE
B.C.T.P. FLOW	116.567	94.022	114.208	108.455	109.556	107.003	98.828	94.267	95.306	117.7790	98.264	98.383	1252.638
DAILY AVG.	3.7602	3.358	3.684	3.615	3.534	3.567	3.188	3.041	3.177	3.799	3.275	3.174	3.431
MARSHALL FLOW	14.346	12.635	13.700	11.476	13.315	9.475	8.487	9.97	8.052	9.736	8.27	6.992	126.454
DAILY AVG.	0.4628	0.451	0.442	0.383	0.430	0.316	0.274	0.322	0.268	0.314	0.276	0.226	0.379
NEW SEWICKLEY	0.329	0.283	0.272	0.256	0.303	0.271	0.261	0.359	0.599	0.662	0.463	0.346	4.404
DAILY AVG.	0.0106	0.010	0.009	0.009	0.010	0.009	0.008	0.012	0.020	0.021	0.015	0.011	0.012
RAIN FALL	3.31	1.39	2.82	4.17	3.89	4.65	4.5	1.95	6.03	5.28	1.75	1.66	41.4

2005	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TO DATE
B.C.T.P. FLOW	120.719	99.329	99.543	102.638	87.584	89.607	92.321	89.053	85.143	95.1070	101.652	111.018	1173.714
DAILY AVG.	3.8940	3.547	3.211	3.421	2.825	2.987	2.978	2.873	2.838	3.068	3.388	3.581	3.216
MARSHALL FLOW	14.334	10.205	11.58	9.721	10.205	13.428	11.462	13.143	11.692	11.727	13.125	13.209	143.831
DAILY AVG.	0.4624	0.364	0.374	0.324	0.329	0.448	0.370	0.424	0.390	0.378	0.438	0.426	0.431
NEW SEWICKLEY	0.216	0.183	0.226	0.179	0.183	0.287	0.256	0.301	0.299	0.277	0.335	0.353	3.095
DAILY AVG.	0.0070	0.007	0.007	0.006	0.006	0.010	0.008	0.010	0.010	0.009	0.011	0.011	0.008
RAIN FALL	6.46	2.6	1.83	4.54	3.37	1.48	2.56	3.37	1.6	8.57	3.61	1.62	41.61

2004	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TO DATE
B.C.T.P. FLOW	117.797	116.174	119.809	124.274	111.328	107.634	97.585	118.384	120.116	106.1180	104.47	117.965	1361.654
DAILY AVG.	3.7999	4.006	3.865	4.143	3.591	3.588	3.148	3.819	4.004	3.423	3.482	4.018	3.731
MARSHALL FLOW	12.516	11.315	11.645	12.506	11.108	10.185	9.579	10.848	13.88	8.633	10.037	10.436	132.688
DAILY AVG.	0.4037	0.404	0.376	0.417	0.358	0.340	0.309	0.350	0.463	0.278	0.335	0.337	0.364
NEW SEWICKLEY	0.223	0.191	0.186	0.176	0.170	0.171	0.191	0.183	0.224	0.199	0.224	0.218	2.356
DAILY AVG.	0.0072	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.007	0.006	0.007	0.007	0.006

2003	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TO DATE
B.C.T.P. FLOW	96.386	87.117	106.732	87.738	97.479	97.587	101.551	89.502	100.235	96.1400	111.318	122.342	1194.127
DAILY AVG.	3.1092	3.111	3.443	2.925	3.144	3.253	3.276	2.887	3.341	3.101	3.711	3.947	3.272
MARSHALL FLOW	12.705	8.668	9.968	8.888	4.995	10.409	6.102	9.973	11.536	9.261	11.653	9.853	114.011
DAILY AVG.	0.4098	0.310	0.322	0.296	0.161	0.347	0.197	0.322	0.385	0.299	0.388	0.318	0.312
NEW SEWICKLEY	0.267	0.167	0.172	0.204	0.191	0.182	0.183	0.200	0.199	0.196	0.221	0.248	2.430
DAILY AVG.	0.0086	0.006	0.006	0.007	0.006	0.006	0.006	0.006	0.007	0.006	0.007	0.008	0.007

2002	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TO DATE
B.C.T.P. FLOW	101.53	77.524	89.486	82.1	100.06	88.266	79.352	72.235	63.874	74.2960	79.221	74.296	982.24
DAILY AVG.	3.2752	2.769	2.887	2.737	3.228	2.942	2.560	2.330	2.129	2.397	2.641	2.397	2.691
MARSHALL FLOW	8.412	9.616	9.309	6.434	11.572	8.114	9.286	8.402	10.148	10.809	7.187	8.814	108.103
DAILY AVG.	0.271	0.343	0.300	0.214	0.373	0.270	0.300	0.271	0.338	0.349	0.124	0.284	0.296
NEW SEWICKLEY	0.203	0.166	0.149	0.247	0.194	0.153	0.199	0.186	0.199	0.229	0.151	0.189	2.265
DAILY AVG.	0.0065	0.006	0.005	0.008	0.006	0.005	0.006	0.006	0.007	0.007	0.005	0.006	0.006

2001	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TO DATE
B.C.T.P. FLOW	69.8565	79.674	88.266	70.78	82.731	84.498	97.37	96.579	94.676	102.3000	107.534	114.798	1089.0625
DAILY AVG.	2.2534	2.846	2.847	2.359	2.669	2.817	3.141	3.115	3.156	3.300	3.584	3.703	2.984
MARSHALL FLOW	7.007	9.703	9.991	9.964	8.548	7.875	8.132	8.604	7.052	9.164	9.605	9.501	105.146
DAILY AVG.	0.226	0.347	0.322	0.332	0.276	0.263	0.262	0.278	0.235	0.296	0.320	0.306	0.288
NEW SEWICKLEY	0.385	0.413	0.370	0.323	0.272	0.248	0.252	0.240		0.164	0.130	0.241	3.038
DAILY AVG.	0.0124	0.015	0.012	0.011	0.009	0.008	0.008	0.008	0.000	0.005	0.004	0.008	0.009

2000	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TO DATE
B.C.T.P. FLOW	81.5783	103.921	92.337	99.297	93.923	87.377	74.798	76.8781	64.962	60.8650	54.379	81.175	971.4904
DAILY AVG.	2.6316	3.711	2.979	3.310	3.030	2.913	2.413	2.480	2.165	1.963	1.813	2.619	2.662
MARSHALL FLOW	8.172	8.778	8.995	8.206	10.144	7.445	9.957	7.536	8.392	7.922	8.178	9.391	103.116
DAILY AVG.	0.2636	0.314	0.290	0.274	0.327	0.248	0.321	0.243	0.280	0.256	0.273	0.303	0.283
NEW SEWICKLEY				0.203	0.227	0.216	0.283	0.243	0.291	0.314	0.371	0.551	2.699
DAILY AVG.	0.0000	0.000	0.000	0.007	0.007	0.007	0.009	0.008	0.010	0.010	0.012	0.018	0.007

1999	JAN.	FEB.	MAR	APR	MAY	JUN	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TO DATE
B.C.T.P. FLOW	110.626	91.35	103.98	94.233	85.951	71.093	81.872	85.543	81.498	86.8155	101.503	90.6042	1085.0687
DAILY AVG.	3.569	3.263	3.354	3.141	2.773	2.370	2.641	2.759	2.717	2.801	3.383	2.923	2.973
MARSHALL FLOW	12.902	12.491	12.876	11.231	7.088	7.658	8.828	8.086	7.446	7.101	7.857	8.268	111.832
DAILY AVG.	0.416	0.446	0.415	0.374	0.229	0.255	0.285	0.261	0.248	0.229	0.262	0.267	0.306