

## 2018 Data

Date	Sca. River Hamilton City Flow CFS	GCID Pump Station Flow CFS	GCID Bypass Flow CFS	Total Flow in Intake Channel CFS	Percentage of River flow and Intake Channel Flow
1/1/2018	4,825	732	911	1,643	34.05%
1/2/2018	4,701	654	897.5	1,552	33.00%
1/3/2018	4,510	693	854	1,547	34.30%
1/4/2018	4,245	732	804.4	1,536	36.19%
1/5/2018	4,148	758	780	1,538	37.08%
1/6/2018	4,087	740	781	1,521	37.22%
1/7/2018	4,233	568	791	1,359	32.10%
1/8/2018	4,764	65	955	1,020	21.41%
1/9/2018	8,127	0	1146.9	1,147	14.11%
1/10/2018	9,434	0	1146.9	1,147	12.16%
1/11/2018	7,419	0	1146.9	1,147	15.46%
1/12/2018	6,175	0	1146.9	1,147	18.57%
1/13/2018	5,696	0	1146.9	1,147	20.14%
1/14/2018	5,410	0	1146.9	1,147	21.20%
1/15/2018	5,217	0	1146.9	1,147	21.98%
1/16/2018	5,087	0	1008	1,008	19.82%
1/17/2018	5,147	0	1013	1,013	19.68%
1/18/2018	5,151	0	1013	1,013	19.67%
1/19/2018	9,878	0	1013	1,013	10.26%
1/20/2018	8,581	0	1013	1,013	11.81%
1/21/2018	6,895	0	1013	1,013	14.69%
1/22/2018	7,992	0	1013	1,013	12.68%
1/23/2018	10,473	0	1013	1,013	9.67%
1/24/2018	7,583	0	1013	1,013	13.36%
1/25/2018	10,928	0	1013	1,013	9.27%
1/26/2018	10,869	0	1013	1,013	9.32%
1/27/2018	8,755	0	1013	1,013	11.57%
1/28/2018	7,290	0	1013	1,013	13.90%
1/29/2018	6,722	0	1013	1,013	15.07%

1/30/2018	6,409	0	950	950	14.82%
1/31/2018	6,215	0	950	950	15.29%
2/1/2018	6,060	0	950	950	15.68%
2/2/2018	5,939	0	950	950	16.00%
2/3/2018	5,867	0	950	950	16.19%
2/4/2018	5,794	0	950	950	16.40%
2/5/2018	5,736	0	950	950	16.56%
2/6/2018	5,412	0	950	950	17.55%
2/7/2018	5,224	0	950	950	18.19%
2/8/2018	5,220	66	925	991	18.98%
2/9/2018	5,095	69	925	994	19.51%
2/10/2018	4,954	139	925	1,064	21.48%
2/11/2018	4,892	102	925	1,027	20.99%
2/12/2018	4,820	120	925	1,045	21.68%
2/13/2018	4,722	90	925	1,015	21.50%
2/14/2018	4,727	95	925	1,020	21.58%
2/15/2018	4,461	193	925	1,118	25.06%
2/16/2018	4,009	433	925	1,358	33.87%
2/17/2018	3,825	438	925	1,363	35.63%
2/18/2018	3,906	273	900	1,173	30.03%
2/19/2018	3,755	96	869	965	25.70%
2/20/2018	3,555	171	810	981	27.59%
2/21/2018	3,170	432	714.3	1,146	36.16%
2/22/2018	3,040	463	729	1,192	39.21%
2/23/2018	3,099	401	731	1,132	36.53%
2/24/2018	3,243	395	750	1,145	35.31%
2/25/2018	3,214	346	740	1,086	33.79%
2/26/2018	3,239	343	766	1,109	34.24%
2/27/2018	3,488	270	805	1,075	30.82%
2/28/2018	3,684	325	846	1,171	31.79%
3/1/2018	3,739	263	860	1,123	30.03%
3/2/2018	4,311	230	932	1,162	26.95%
3/3/2018	4,546	236	977.3	1,213	26.69%
3/4/2018	4,452	230	957.8	1,188	26.68%

3/5/2018	4,320	254	929	1,183	27.38%
3/6/2018	4,495	333	924	1,257	27.96%
3/7/2018	4,599	252	882.7	1,135	24.67%
3/8/2018	4,653	295	882	1,177	25.30%
3/9/2018	4,893	336	949	1,285	26.26%
3/10/2018	4,901	288	929	1,217	24.83%
3/11/2018	4,784	288	910	1,198	25.04%
3/12/2018	4,865	280	925	1,205	24.77%
3/13/2018	5,273	307	918.7	1,226	23.24%
3/14/2018	10,249	274	1405	1,679	16.38%
3/15/2018	14,254	175	1983	2,158	15.14%
3/16/2018	12,768	260	1867	2,127	16.66%
3/17/2018	11,330	299	1558	1,857	16.39%
3/18/2018	8,586	230	1361	1,591	18.53%
3/19/2018	7,274	207	1558	1,765	24.26%
3/20/2018	6,555	201	1149	1,350	20.59%
3/21/2018	6,975	208	1132	1,340	19.21%
3/22/2018	18,533	210	1605	1,815	9.79%
3/23/2018	24,997	161	2742	2,903	11.61%
3/24/2018	14,542	198	1905	2,103	14.46%
3/25/2018	11,719	212	1674	1,886	16.09%
3/26/2018	9,496	185	1488	1,673	17.62%
3/27/2018	8,291	215	1351	1,566	18.89%
3/28/2018	7,474	231	1276	1,507	20.16%
3/29/2018	7,036	249	1221	1,470	20.89%
3/30/2018	6,801	324	1198	1,522	22.38%
3/31/2018	6,574	359	1165	1,524	23.18%
4/1/2018	6,462	302	1147	1,449	22.42%
4/2/2018	6,288	334	1147	1,481	23.55%
4/3/2018	5,987	364	1082	1,446	24.15%
4/4/2018	5,863	291	1075	1,366	23.30%
4/5/2018	5,831	289	1076.3	1,365	23.41%
4/6/2018	6,609	231	1079	1,310	19.82%
4/7/2018	39,980	201	2643	2,844	7.11%

4/8/2018	39,780	198	4259	4,457	11.20%
4/9/2018	17,534	228	2121	2,349	13.40%
4/10/2018	13,015	211	1775	1,986	15.26%
4/11/2018	11,034	197	1610	1,807	16.38%
4/12/2018	10,113	201	1517	1,718	16.99%
4/13/2018	9,323	210	1465	1,675	17.97%
4/14/2018	8,229	211	1337	1,548	18.81%
4/15/2018	7,599	211	1265	1,476	19.42%
4/16/2018	7,668	153	1253.7	1,407	18.35%
4/17/2018	7,733	175	1325	1,500	19.40%
4/18/2018	7,280	230	1268.6	1,499	20.59%
4/19/2018	6,724	320	1213	1,533	22.80%
4/20/2018	6,302	317	1130	1,447	22.96%
4/21/2018	6,193	398	1102	1,500	24.22%
4/22/2018	6,237	506	1112	1,618	25.94%
4/23/2018	5,857	733	1021	1,754	29.95%
4/24/2018	5,941	878	1022	1,900	31.98%
4/25/2018	6,175	1090	1069	2,159	34.96%
4/26/2018	5,986	1511	986.2	2,497	41.72%
4/27/2018	5,934	1660	948.4	2,608	43.96%
4/28/2018	5,981	1946	930.3	2,876	48.09%
4/29/2018	6,047	2077	873.3	2,950	48.79%
4/30/2018	6,630	2233	971.1	3,204	48.33%
5/1/2018	6,502	2342	943	3,285	50.52%
5/2/2018	6,174	2566	799	3,365	54.50%
5/3/2018	5,877	2861	655	3,516	59.83%
5/4/2018	5,668	2971	535	3,506	61.86%
5/5/2018	5,584	2657	594	3,251	58.22%
5/6/2018	6,213	2921	757	3,678	59.20%
5/7/2018	6,288	2962	735	3,697	58.79%
5/8/2018	6,360	3020	796	3,816	60.00%
5/9/2018	6,398	2991	812	3,803	59.44%
5/10/2018	6,272	2899	820	3,719	59.30%
5/11/2018	6,358	2711	855	3,566	56.09%

5/12/2018	6,540	2769	886	3,655	55.89%
5/13/2018	6,617	2997	825	3,822	57.76%
5/14/2018	6,480	3043	806	3,849	59.40%
5/15/2018	6,164	3021	736	3,757	60.95%
5/16/2018	6,225	2873	735.7	3,609	57.97%
5/17/2018	6,858	2718	940.8	3,659	53.35%
5/18/2018	7,217	2752	997	3,749	51.95%
5/19/2018	7,227	2787	990	3,777	52.26%
5/20/2018	7,286	2714	1025	3,739	51.32%
5/21/2018	7,621	2571	1079	3,650	47.89%
5/22/2018	7,728	2433	1127	3,560	46.07%
5/23/2018	7,755	2337	1151.6	3,489	44.99%
5/24/2018	7,608	2330	1129	3,459	45.47%
5/25/2018	7,801	2247	1147.4	3,394	43.51%
5/26/2018	8,280	2090	1241.2	3,331	40.23%
5/27/2018	8,650	1957	1300	3,257	37.65%
5/28/2018	8,489	1869	1300	3,169	37.33%
5/29/2018	8,184	1960	1264.1	3,224	39.40%
5/30/2018	7,629	2117	1150.8	3,268	42.83%
5/31/2018	7,504	2110	1157	3,267	43.54%
6/1/2018	7,044	2180	1079	3,259	46.27%
6/2/2018	6,999	2307	1046	3,353	47.91%
6/3/2018	6,928	2340	1020	3,360	48.50%
6/4/2018	7,037	2343	1057	3,400	48.32%
6/5/2018	7,066	2416	1040.3	3,456	48.91%
6/6/2018	7,019	2376	1050	3,426	48.81%
6/7/2018	7,248	2337	1100	3,437	47.42%
6/8/2018	7,135	2405	1044	3,449	48.34%
6/9/2018	6,993	2547	993	3,540	50.62%
6/10/2018	6,885	2579	997	3,576	51.94%
6/11/2018	6,880	2561	990	3,551	51.61%
6/12/2018	6,983	2611	1000	3,611	51.71%
6/13/2018	6,717	2776	915.3	3,691	54.95%
6/14/2018	6,984	2913	926.6	3,840	54.98%

6/15/2018	7,205	2861	999	3,860	53.57%
6/16/2018	7,540	2833	1050	3,883	51.50%
6/17/2018	7,587	2633	1063	3,696	48.71%
6/18/2018	7,996	2623	1121	3,744	46.82%
6/19/2018	8,833	2800	1196	3,996	45.24%
6/20/2018	8,590	2850	1154.3	4,004	46.62%
6/21/2018	8,282	2618	1151	3,769	45.51%
6/22/2018	7,828	2900	1065	3,965	50.65%
6/23/2018	7,601	3000	1002	4,002	52.65%
6/24/2018	7,788	3000	1139	4,139	53.15%
6/25/2018	7,530	2850	998.3	3,848	51.11%
6/26/2018	8,334	2900	1125	4,025	48.30%
6/27/2018	8,249	2688	1094	3,782	45.85%
6/28/2018	8,232	2710	1095	3,805	46.22%
6/29/2018	8,244	3000	1058	4,058	49.22%
6/30/2018	8,597	3069	1148	4,217	49.05%
7/1/2018	8,649	2906	1145	4,051	46.84%
7/2/2018	8,672	2712	1156	3,868	44.60%
7/3/2018	8,753	2904	1130	4,034	46.09%
7/4/2018	9,269	2897	1201	4,098	44.21%
7/5/2018	9,390	2949	1233	4,182	44.54%
7/6/2018	8,840	2892	1139	4,031	45.60%
7/7/2018	8,972	2843	1146	3,989	44.46%
7/8/2018	9,271	2714	1203	3,917	42.25%
7/9/2018	9,495	2602	1245	3,847	40.52%
7/10/2018	9,640	2644	1276	3,920	40.66%
7/11/2018	9,580	2618	1280	3,898	40.69%
7/12/2018	9,439	2604	1254	3,858	40.87%
7/13/2018	9,397	2613	1256	3,869	41.17%
7/14/2018	9,368	2613	1262	3,875	41.36%
7/15/2018	9,462	2595	1257	3,852	40.71%
7/16/2018	9,688	2584	1299	3,883	40.08%
7/17/2018	9,712	2565	1297	3,862	39.77%
7/18/2018	9,544	2595	1263	3,858	40.42%

7/19/2018	9,401	2615	1255	3,870	41.17%
7/20/2018	9,388	2601	1256	3,857	41.08%
7/21/2018	9,370	2596	1252	3,848	41.07%
7/22/2018	9,503	2596	1265	3,861	40.63%
7/23/2018	9,615	2556	1294	3,850	40.04%
7/24/2018	9,637	2566	1287	3,853	39.98%
7/25/2018	9,598	2563	1287	3,850	40.11%
7/26/2018	9,564	2563	1284	3,847	40.22%
7/27/2018	9,182	2575	1273	3,848	41.91%
7/28/2018	9,225	2537	1190	3,727	40.40%
7/29/2018	9,757	2488	1294	3,782	38.76%
7/30/2018	9,739	2467	1312.6	3,780	38.81%
7/31/2018	9,892	2342	1340	3,682	37.22%
8/1/2018	9,952	2277	1362	3,639	36.57%
8/2/2018	9,824	2241	1343	3,584	36.48%
8/3/2018	9,483	2221	1307	3,528	37.20%
8/4/2018	9,461	2166	1313	3,479	36.77%
8/5/2018	9,649	2091	1347.2	3,438	35.63%
8/6/2018	9,276	2096	1307	3,403	36.69%
8/7/2018	9,069	2088	1286	3,374	37.20%
8/8/2018	8,881	2046	1269	3,315	37.33%
8/8/2018	8,881	2036	1267	3,303	37.19%
8/9/2018	8,856	2042	1235	3,277	37.00%
8/10/2018	8,593	2032	1230	3,262	37.96%
8/11/2018	8,543	1999	1214	3,213	37.61%
8/12/2018	8,391	1990	1200	3,190	38.02%
8/13/2018	8,268	2037	1193	3,230	39.07%
8/14/2018	8,215	2032	1181	3,213	39.11%
8/15/2018	8,142	1952	1172	3,124	38.37%
8/16/2018	7,956	1931	1135	3,066	38.54%
8/17/2018	7,776	1924	1155	3,079	39.60%
8/18/2018	7,739	1895	1156	3,051	39.42%
8/19/2018	7,818	1836	1178	3,014	38.55%
8/20/2018	7,875	1790	1201	2,991	37.98%

8/21/2018	8,073	1710	1209	2,919	36.16%
8/22/2018	8,116	1640	1204	2,844	35.04%
8/23/2018	7,861	1594	1176.7	2,771	35.25%
8/24/2018	7,810	1531	1229.7	2,761	35.35%
8/25/2018	7,750	1455	1166	2,621	33.82%
8/26/2018	7,578	1353	1221	2,574	33.97%
8/27/2018	7,871	1231	1261	2,492	31.66%
8/28/2018	8,091	1156	1257	2,413	29.82%
8/29/2018	8,112	1102	1243	2,345	28.91%
8/30/2018	7,927	1105	1204	2,309	29.13%
8/31/2018	7,613	1050	1219	2,269	29.80%
9/1/2018	7,706	988	1234	2,222	28.83%
9/2/2018	7,826	940	1261	2,201	28.12%
9/3/2018	7,980	874	1269	2,143	26.85%
9/4/2018	7,993	839	1267	2,106	26.35%
9/5/2018	8,023	764	1246	2,010	25.05%
9/6/2018	7,817	714	1233	1,947	24.91%
9/7/2018	7,649	712	1236	1,948	25.47%
9/8/2018	7,643	677	1247	1,924	25.17%
9/9/2018	7,711	653	1252	1,905	24.70%
9/10/2018	7,753	637	1236	1,873	24.16%
9/11/2018	7,659	550	1242	1,792	23.40%
9/12/2018	7,661	491	1226	1,717	22.41%
9/13/2018	7,541	507	1221	1,728	22.91%
9/14/2018	7,408	505	1225	1,730	23.35%
9/15/2018	7,419	449	1230	1,679	22.63%
9/16/2018	7,472	465	1224	1,689	22.60%
9/17/2018	7,491	485	1224	1,709	22.81%
9/18/2018	7,481	506	1233	1,739	23.25%
9/19/2018	7,509	517	1196	1,713	22.81%
9/20/2018	7,155	501	1152	1,653	23.10%
9/21/2018	6,872	502	1144	1,646	23.95%
9/22/2018	6,764	502	1134	1,636	24.19%
9/23/2018	6,709	502	1142	1,644	24.50%

9/24/2018	6,714	502	1129	1,631	24.29%
9/25/2018	6,627	502	1125	1,627	24.55%
9/26/2018	6,599	527	1140	1,667	25.26%
9/27/2018	6,665	584	1118	1,702	25.54%
9/28/2018	6,590	587	1123	1,710	25.95%
9/29/2018	6,645	569	1144	1,713	25.78%
9/30/2018	6,703	586	1124	1,710	25.51%
10/1/2018	6,645	541	1143	1,684	25.34%
10/2/2018	6,799	541	1139	1,680	24.71%
10/3/2018	6,930	538	1206.5	1,745	25.17%
10/4/2018	7,189	522	1214.4	1,736	24.15%
10/5/2018	7,351	545	1211.6	1,757	23.90%
10/6/2018	7,347	555	1178.5	1,734	23.59%
10/7/2018	7,088	558	1175.2	1,733	24.45%
10/8/2018	7,033	544	1175	1,719	24.44%
10/9/2018	7,019	587	1137	1,724	24.56%
10/10/2018	6,892	681	1130	1,811	26.28%
10/11/2018	6,787	712	1120	1,832	26.99%
10/12/2018	6,720	780	1091	1,871	27.84%
10/13/2018	6,690	779	1109	1,888	28.22%
10/14/2018	6,695	795	1093	1,888	28.20%
10/15/2018	6,612	885	1059	1,944	29.40%
10/16/2018	6,469	996	1073	2,069	31.98%
10/17/2018	6,542	1041	1066	2,107	32.21%
10/18/2018	6,517	1148	1043	2,191	33.62%
10/19/2018	6,357	1183	1016	2,199	34.59%
10/20/2018	6,241	1282	979	2,261	36.23%
10/21/2018	6260	1307	1006	2,313	36.95%
10/22/2018	6275	1348	1021	2,369	37.75%
10/23/2018	6300	1407	846	2,253	35.76%
10/24/2018	6410	1528	731	2,259	35.24%
10/25/2018	6500	1627	643	2,270	34.92%
10/26/2018	6525	1654	716	2,370	36.32%
10/27/2018	6450	1596	731	2,327	36.08%

10/28/2018	6425	1487	796	2,283	35.53%
10/29/2018	6350	1417	827	2,244	35.34%
10/30/2018	6290	1341	834	2,175	34.58%
10/31/2018	6125	1205	904	2,109	34.43%
11/1/2018	6075	1167	860	2,027	33.37%
11/2/2018	6025	1128	802	1,930	32.03%
11/3/2018	5000	1075	795	1,870	37.40%
11/4/2018	4900	1060	765	1,825	37.24%
11/5/2018	4800	1031	727	1,758	36.63%
11/6/2018	4,295	973	718	1,691	39.37%
11/7/2018	4,152	1001	627	1,628	39.21%
11/8/2018	3,819	991	634	1,625	42.55%
11/9/2018	3,707	1004	641	1,645	44.38%
11/10/2018	3,731	1028	611	1,639	43.93%
11/11/2018	3,714	972	650	1,622	43.67%
11/12/2018	3,760	969	646	1,615	42.95%
11/13/2018	3,765	967	652	1,619	43.00%
11/14/2018	3,799	951	654	1,605	42.25%
11/15/2018	3,820	914	679	1,593	41.70%
11/16/2018	3,841	675	743	1,418	36.92%
11/17/2018	4,188	258	903	1,161	27.72%
11/18/2018	4,731	245	879	1,124	23.76%
11/19/2018	4,720	196	903	1,099	23.28%
11/20/2018	4,760	143	931	1,074	22.56%
11/21/2018	4,904	175	960	1,135	23.14%
11/22/2018	5,120	162	989	1,151	22.48%
11/23/2018	5,343	168	1076	1,244	23.28%
11/24/2018	5,825	153	1053	1,206	20.70%
11/25/2018	5,733	140	1000	1,140	19.88%
11/26/2018	5,372	145	954	1,099	20.46%
11/27/2018	5,104	144	986	1,130	22.14%
11/28/2018	5,614	157	1042	1,199	21.36%
11/29/2018	6,561	120	2016	2,136	32.56%
11/30/2018	13,616	120	1229	1,349	9.91%

12/1/2018	6,963	232	952	1,184	17.00%
12/2/2018	5,530	363	918	1,281	23.16%
12/3/2018	5,171	277	917	1,194	23.09%
12/4/2018	4,792	391	850	1,241	25.90%
12/5/2018	4,556	509	849	1,358	29.81%
12/6/2018	4,491	521	833	1,354	30.15%
12/7/2018	4,412	516	836	1,352	30.64%
12/8/2018	4,359	512	814	1,326	30.42%
12/9/2018	4,285	524	837	1,361	31.76%
12/10/2018	4,300	488	820	1,308	30.42%
12/11/2018	4,275	503	816	1,319	30.85%
12/12/2018	4,239	523	810	1,333	31.45%
12/13/2018	4,232	514	813	1,327	31.36%
12/14/2018	4,239	500	840	1,340	31.61%
12/15/2018	4,406	487	930	1,417	32.16%
12/16/2018	4,986	494	2657	3,151	63.20%
12/17/2018	23,258	459	1852	2,311	9.94%
12/18/2018	13,210	449	1276	1,725	13.06%
12/19/2018	7,452	452	1162	1,614	21.66%
12/20/2018	6,553	468	1089	1,557	23.76%
12/21/2018	6,289	424	1248	1,672	26.59%
12/22/2018	7,271	426	1101	1,527	21.00%
12/23/2018	6,140	427	1049	1,476	24.04%
12/24/2018	6,080	430	2348	2,778	45.69%
12/25/2018	19,013	436	1599	2,035	10.70%
12/26/2018	11,099	450	1307	1,757	15.83%
12/27/2018	7,626	455	1184	1,639	21.49%
12/28/2018	6,467	437	1058	1,495	23.12%
12/29/2018	5,811	457	1012	1,469	25.28%
12/30/2018	5,462	483	1015	1,498	27.43%
12/31/2018	5,286	475	1020	1,495	28.28%

<b>Average</b>	<b>32.08%</b>
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Yellow indicates no data was available, estimated flows inserted

The Condition of the intake channel (clean and free flowing) can impact the flow percentage. In 2018, the intake channel was approximately 15 % obstructed .