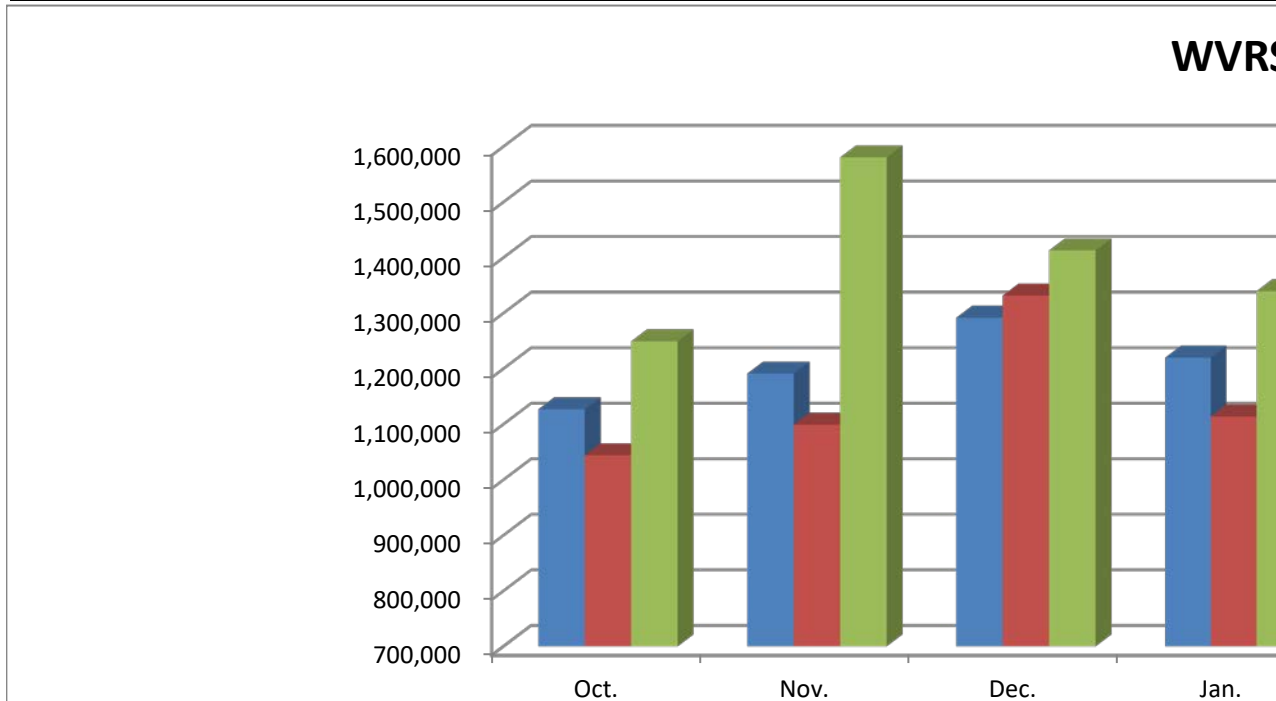


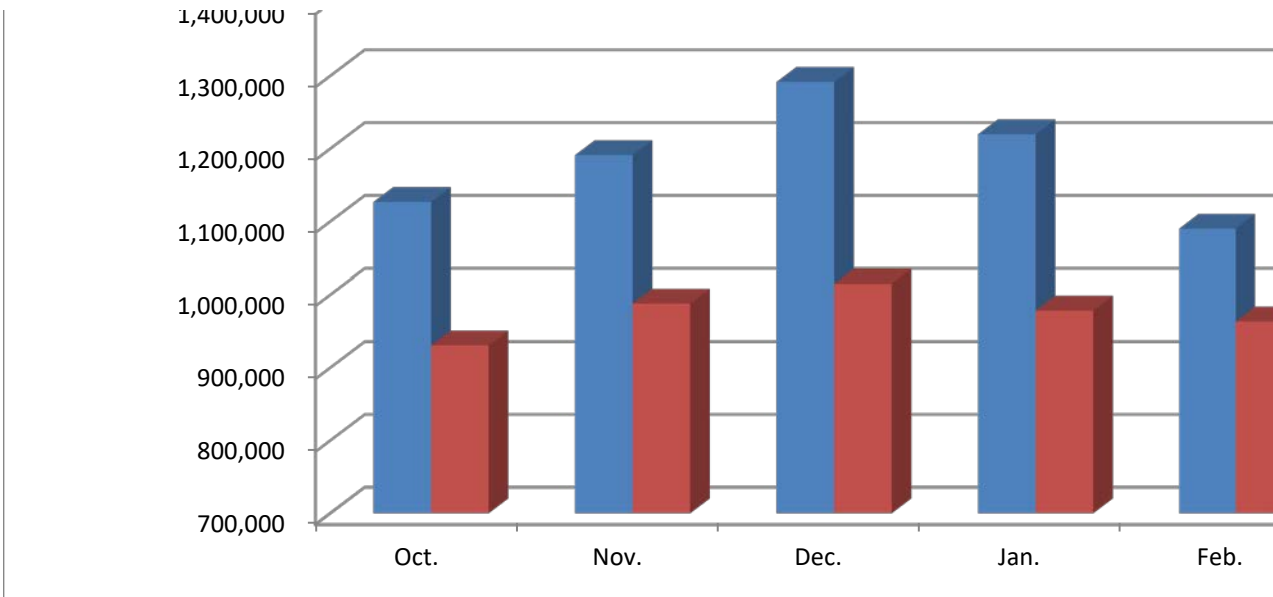
WVRS MOI

	FY 2021	FY 2020	Delta Prior Month	% Delta Prior Month	Delta 2020-2021	% Delta 2020-2021
Oct.	1,126,774	1,043,871	(11,893)	-1.0%	82,903	7.9%
Nov.	1,191,000	1,099,000	64,226	5.7%	92,000	8.4%
Dec.	1,291,613	1,331,484	100,613	8.4%	(39,871)	-3.0%
Jan.	1,219,710	1,113,871	(71,903)	-5.6%	105,839	9.5%
Feb.	1,090,000	1,040,000	(129,710)	-10.6%	50,000	4.8%
March	1,292,258	1,190,000	202,258	18.6%	102,258	8.6%
April	1,102,000	1,183,333	(190,258)	-14.7%	(81,333)	-6.9%
May	1,010,000	1,104,194	(92,000)	-8.3%	(94,194)	-8.5%
June	1,065,333	967,000	55,333	5.5%	98,333	10.2%
July	1,314,226	1,042,742	248,893	23.4%	271,484	26.0%
Aug.	1,432,258	1,183,548	118,032	9.0%	248,710	21.0%
Sept.	-	1,138,667	(1,432,258)	-100.0%	(1,138,667)	-100.0%

<i>MIN.</i>	1,010,000	967,000			43,000	4.4%
<i>MAX.</i>	1,432,258	1,331,484			100,774	7.6%
<i>AVG. YTD</i>	1,194,107	1,118,095			76,012	6.8%



W



401,500,000 Total flow to plant @ 1.1 mgd average
 285,000,000 Total water usage for 2020
 256,500,000 Total water usage for 2020 at 10% losses
 145,000,000 Total flow - total water @ 90%= I & I for 2020
 397,260 Daily I & I for 2020

1,187,500.00 95% of permitte flow of 1.25 mgd

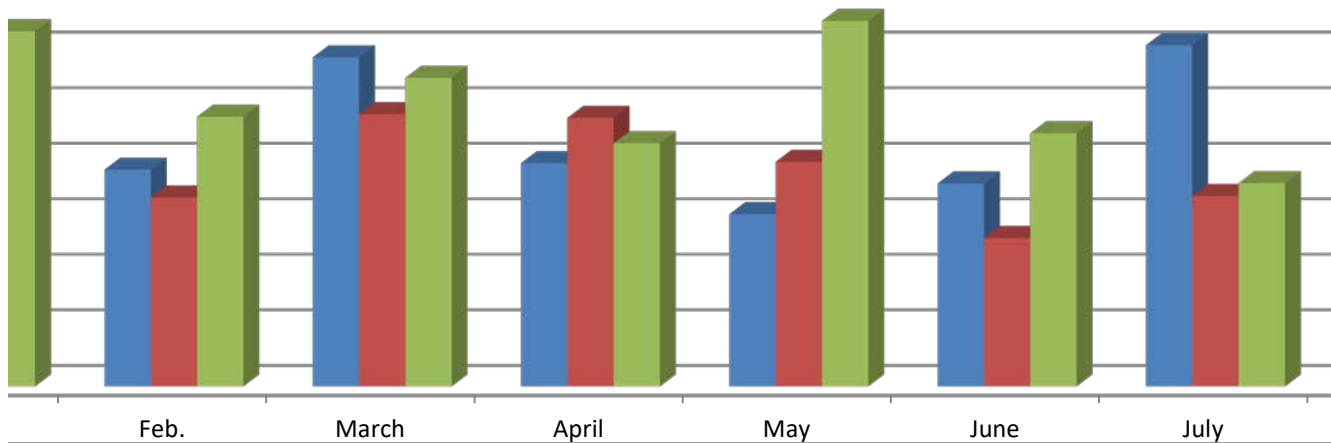
MONTHLY AVERAGE DAILY FLOW DATA

FY 2019	FY 2018	FY 2017	FY 2016	FY 2015	FY 2014	FY 2013	FY 2012
1,249,161	915,323	845,645	816,581	814,516	820,258	846,742	1,022,290
1,580,233	975,233	876,429	814,367	800,000	811,767	842,367	1,091,833
1,412,839	900,000	985,387	830,092	850,258	821,742	854,710	1,147,226
1,339,355	998,452	1,024,194	842,903	824,839	830,129	851,387	979,774
1,185,357	1,201,115	967,250	886,172	791,036	814,929	869,250	914,793
1,255,484	1,366,433	1,027,226	820,903	860,355	886,516	892,419	879,935
1,137,667	1,239,267	1,238,567	755,700	870,067	901,200	841,967	862,713
1,357,742	1,113,097	1,037,323	754,742	824,065	914,290	861,645	904,874
1,155,667	938,667	919,933	756,000	832,467	848,733	919,933	877,467
1,065,806	948,613	984,935	806,871	809,194	837,839	826,710	828,774
987,419	1,088,968	895,310	889,968	799,613	807,903	813,914	823,739
1,001,667	1,084,800	873,067	825,233	807,467	800,433	810,267	809,923

987,419	900,000	845,645	754,742	791,036	800,433	810,267	809,923
1,580,233	1,366,433	1,238,567	889,968	870,067	914,290	919,933	1,147,226
1,247,885	1,062,288	982,018	815,845	825,128	845,028	856,459	939,402

SA Average Daily Flows (by month)

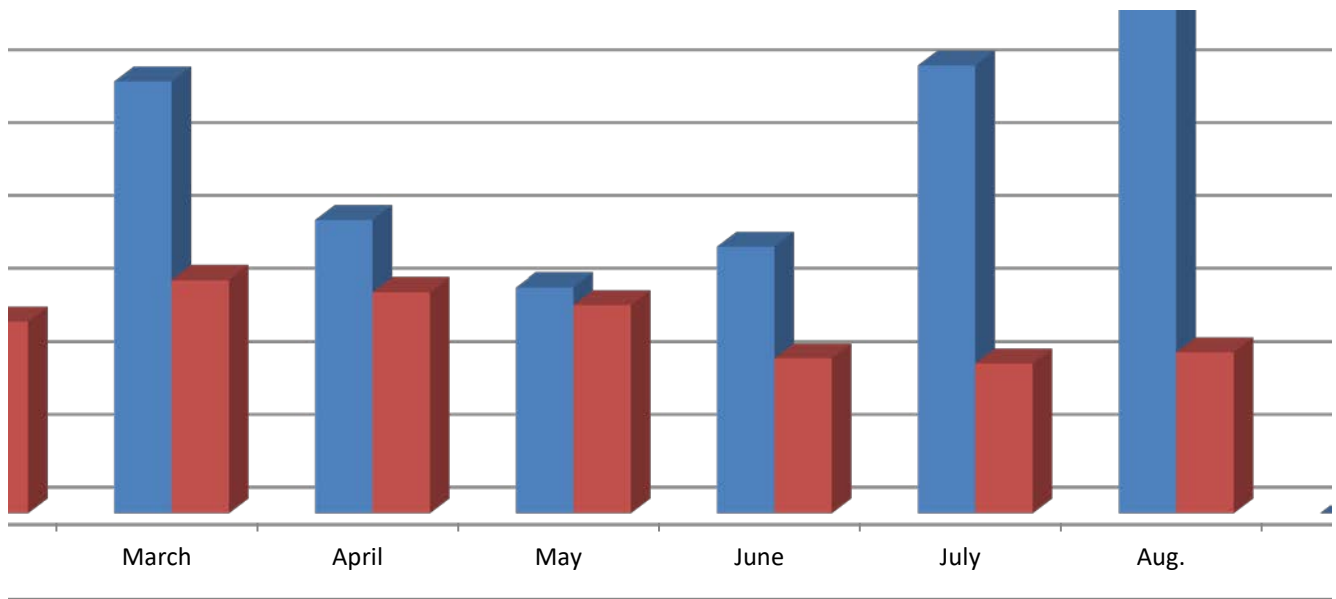
2019 - 2021



IVRSA Average YTD Daily Flow

2021 v. Prior 9 Yr. Avg.

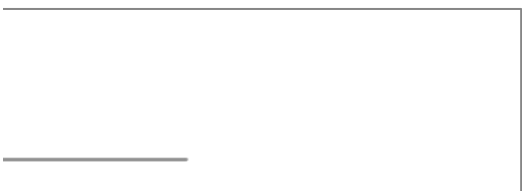
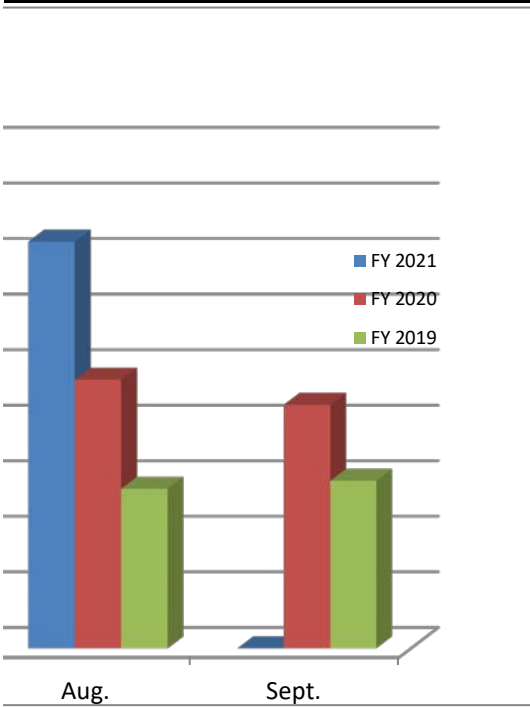


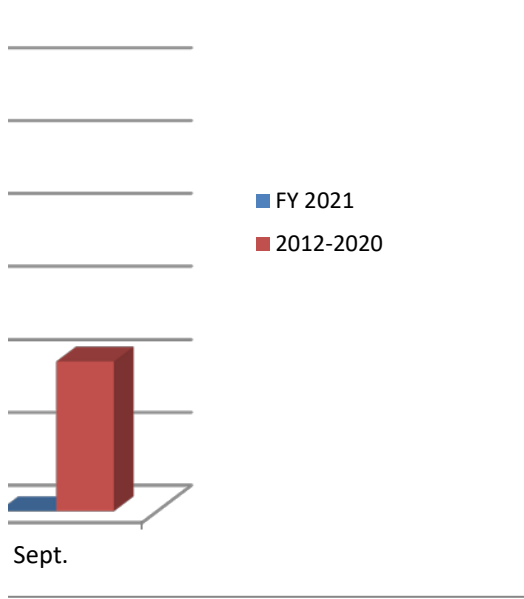


DB-31

9 Yr Avg 2012-2020	2021 Delta from 9 Yr Avg	2021 %Delta from 9 Yr Avg
930,487	196,287	21.1%
987,914	203,086	20.6%
1,014,860	276,753	27.3%
978,323	241,387	24.7%
963,322	126,678	13.2%
1,019,919	272,339	26.7%
1,003,387	98,613	9.8%
985,775	24,225	2.5%
912,874	152,459	16.7%
905,720	408,506	45.1%
921,154	511,104	55.5%
905,725	(905,725)	-100.0%

<i>905,720</i>	<i>104,280</i>	<i>11.5%</i>
<i>1,019,919</i>	<i>412,339</i>	<i>40.4%</i>
965,794	228,312	23.6%

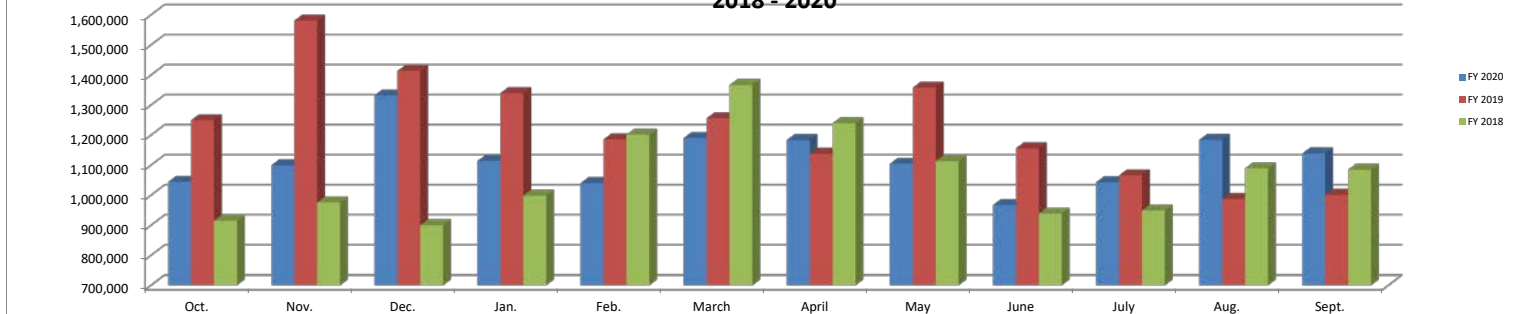




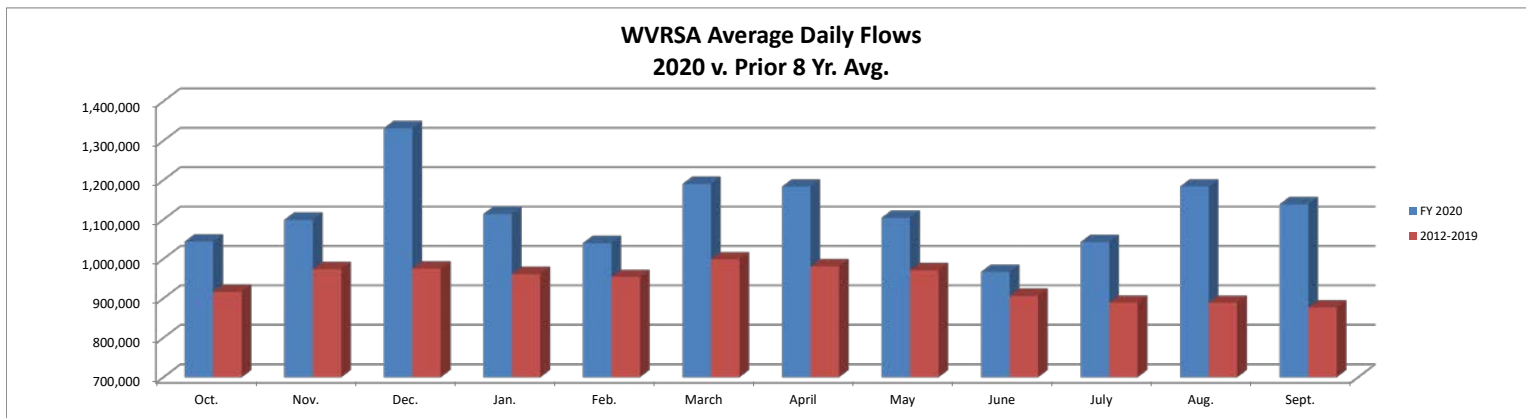
WVRSR MONTHLY AVERAGE DAILY FLOW DATA

	FY 2020	FY 2019	Delta Prior Month	% Delta Prior Month	Delta 2019-2020	% Delta 2019-2020	FY 2018	FY 2017	FY 2016	FY 2015	FY 2014	FY 2013	FY 2012	8 Yr Avg 2012-2019	2020 Delta from 8 Yr Avg	2020 %Delta from 8 Yr Avg
Oct.	1,043,871	1,249,161	42,204	4.2%	(205,290)	-16.4%	915,323	845,645	816,581	814,516	820,258	846,742	1,022,290	916,315	127,557	13.9%
Nov.	1,099,000	1,580,233	55,129	5.3%	(481,233)	-30.5%	975,233	876,429	814,367	800,000	811,767	842,367	1,091,833	974,029	124,971	12.8%
Dec.	1,331,484	1,412,839	232,484	21.2%	(81,355)	-5.8%	900,000	985,387	830,092	850,258	821,742	854,710	1,147,226	975,282	356,202	36.5%
Jan.	1,113,871	1,339,355	(217,613)	-16.3%	(225,484)	-16.8%	998,452	1,024,194	842,903	824,839	830,129	851,387	979,774	961,379	152,492	15.9%
Feb.	1,040,000	1,185,357	(73,871)	-6.6%	(145,357)	-12.3%	1,201,115	967,250	886,172	791,036	814,929	869,250	914,793	953,738	86,262	9.0%
March	1,190,000	1,255,484	150,000	14.4%	(65,484)	-5.2%	1,366,433	1,027,226	820,903	860,355	886,516	892,419	879,935	998,659	191,341	19.2%
April	1,183,333	1,137,667	(6,667)	-0.6%	45,666	4.0%	1,239,267	1,238,567	755,700	870,067	901,200	841,967	862,713	980,894	202,440	20.6%
May	1,104,194	1,357,742	(79,139)	-6.7%	(253,548)	-18.7%	1,113,097	1,037,323	754,742	824,065	914,290	861,645	904,874	970,972	133,222	13.7%
June	967,000	1,155,667	(137,194)	-12.4%	(188,667)	-16.3%	938,667	919,933	756,000	832,467	848,733	919,933	877,467	906,108	60,892	6.7%
July	1,042,742	1,065,806	75,742	7.8%	(23,064)	-2.2%	948,613	984,935	806,871	809,194	837,839	826,710	828,774	888,593	154,149	17.3%
Aug.	1,183,548	987,419	140,806	13.5%	196,129	19.9%	1,088,968	895,310	889,968	799,613	807,903	813,914	823,739	888,354	295,194	33.2%
Sept.	1,138,667	1,001,667	(44,881)	-3.8%	137,000	13.7%	1,084,800	873,067	825,233	807,467	800,433	810,267	809,923	876,607	262,060	29.9%
MIN.	967,000	987,419			(20,419)	-2.1%	900,000	845,645	754,742	791,036	800,433	810,267	809,923	876,607	90,393	10.3%
MAX.	1,331,484	1,580,233			(248,749)	-15.7%	1,366,433	1,238,567	889,968	870,067	914,290	919,933	1,147,226	998,659	332,825	33.3%
AVG.	1,119,809	1,227,366			(107,557)	-8.8%	1,064,164	972,939	816,628	823,656	841,312	852,609	928,612	940,911	178,898	19.0%

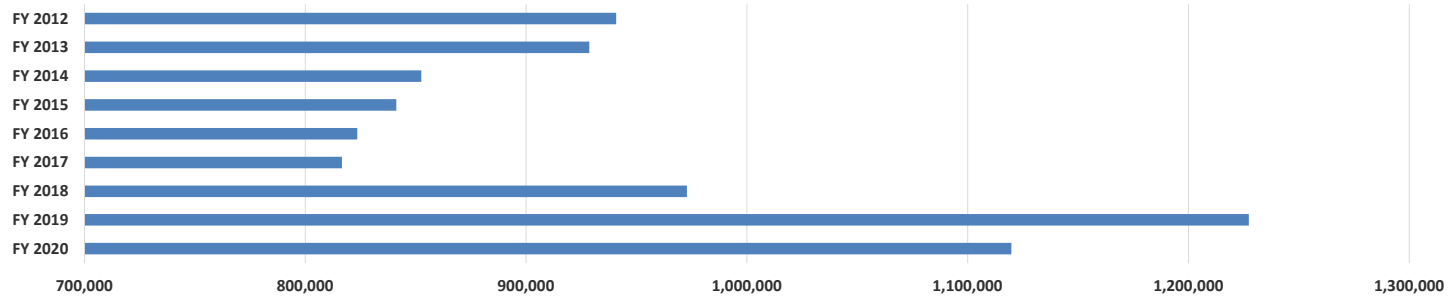
**WVRSR Average Daily Flows (by month)
2018 - 2020**



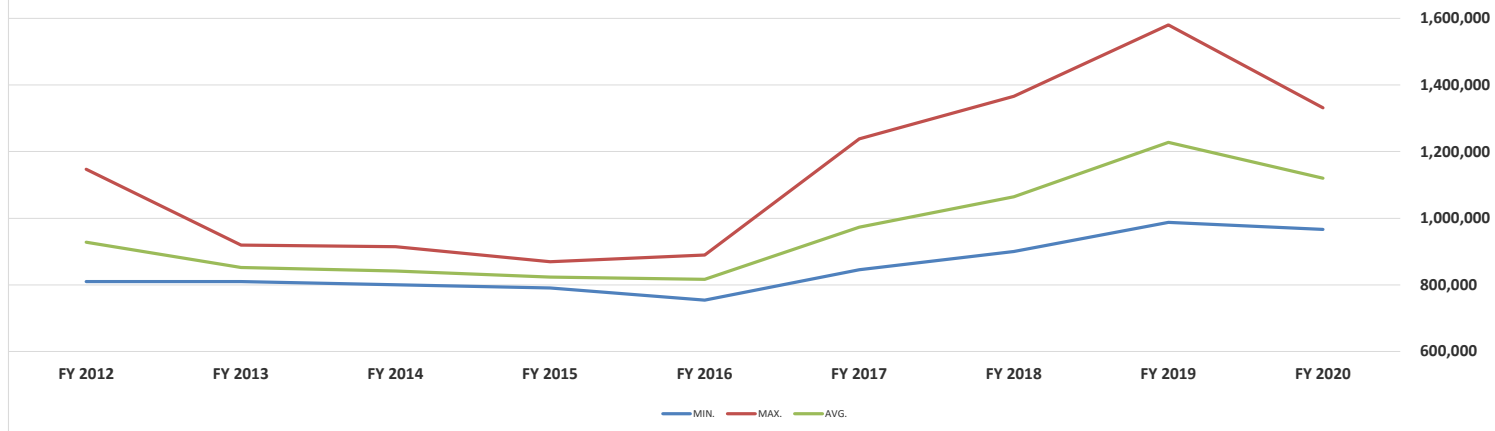
**WVRSR Average Daily Flows
2020 v. Prior 8 Yr. Avg.**



WVRS Plant Flows
Average Daily (year to date)
2012-2020



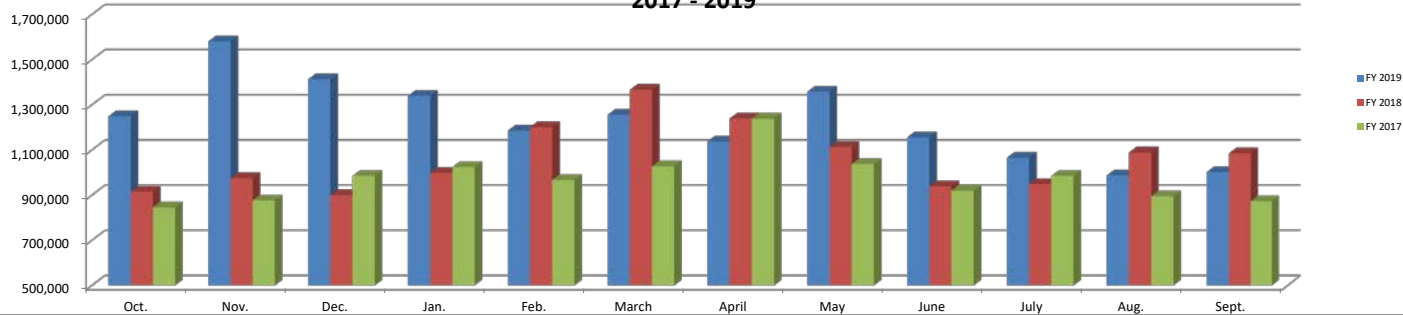
WVRS Plant Flows
Min - Max - Avg
2012-2020



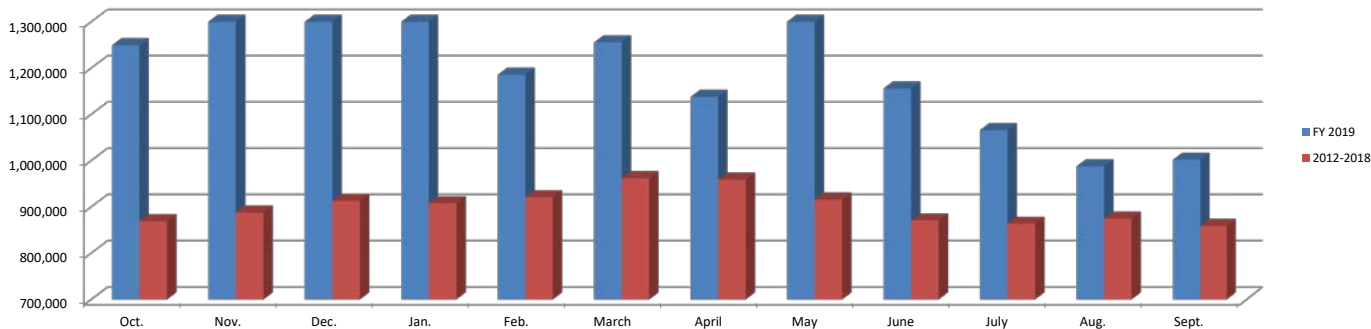
WVRS MONTHLY AVERAGE DAILY FLOW DATA

	FY 2019	FY 2018	Delta Prior Month	% Delta Prior Month	Delta 2018-2019	% Delta 2018-2019	FY 2017	FY 2016	FY 2015	FY 2014	FY 2013	FY 2012	7 Yr Avg 2012-2018	2019 Delta from 7 Yr Avg	2019 %Delta from 7 Yr Avg
Oct.	1,249,161	915,323	164,361	15.2%	333,838	36.5%	845,645	816,581	814,516	820,258	846,742	1,022,290	868,765	380,396	43.8%
Nov.	1,580,233	975,233	331,072	26.5%	605,000	62.0%	876,429	814,367	800,000	811,767	842,367	1,091,833	887,428	692,805	78.1%
Dec.	1,412,839	900,000	(167,394)	-10.6%	512,839	57.0%	985,387	830,092	850,258	821,742	854,710	1,147,226	912,774	500,065	54.8%
Jan.	1,339,355	998,452	(73,484)	-5.2%	340,903	34.1%	1,024,194	842,903	824,839	830,129	851,387	979,774	907,383	431,972	47.6%
Feb.	1,185,357	1,201,115	(153,998)	-11.5%	(15,758)	-1.3%	967,250	886,172	791,036	814,929	869,250	914,793	920,649	264,708	28.8%
March	1,255,484	1,366,433	70,127	5.9%	(110,949)	-8.1%	1,027,226	820,903	860,355	886,516	892,419	879,935	961,970	293,514	30.5%
April	1,137,667	1,239,267	(117,817)	-9.4%	(101,600)	-8.2%	1,238,567	755,700	870,067	901,200	841,967	862,713	958,497	179,170	18.7%
May	1,357,742	1,113,097	220,075	19.3%	244,645	22.0%	1,037,323	754,742	824,065	914,290	861,645	904,874	915,719	442,023	48.3%
June	1,155,667	938,667	(202,075)	-14.9%	217,000	23.1%	919,933	756,000	832,467	848,733	919,933	877,467	870,457	285,210	32.8%
July	1,065,806	948,613	(89,861)	-7.8%	117,193	12.4%	984,935	806,871	809,194	837,839	826,710	828,774	863,277	202,529	23.5%
Aug.	987,419	1,088,968	(78,387)	-7.4%	(101,549)	-9.3%	895,310	889,968	799,613	807,903	813,914	823,739	874,202	113,217	13.0%
Sept.	1,001,667	1,084,800	14,248	1.4%	(83,133)	-7.7%	873,067	825,233	807,467	800,433	810,267	809,923	858,741	142,926	16.6%
MIN.	987,419	900,000			87,419	9.7%	845,645	754,742	791,036	800,433	810,267	809,923	858,741	128,678	15.0%
MAX.	1,580,233	1,366,433			213,800	15.6%	1,238,567	889,968	870,067	914,290	919,933	1,147,226	961,970	618,263	64.3%
AVG.	1,247,885	1,064,164			183,721	17.3%	972,939	816,628	823,656	841,312	852,609	928,612	899,989	347,896	38.7%

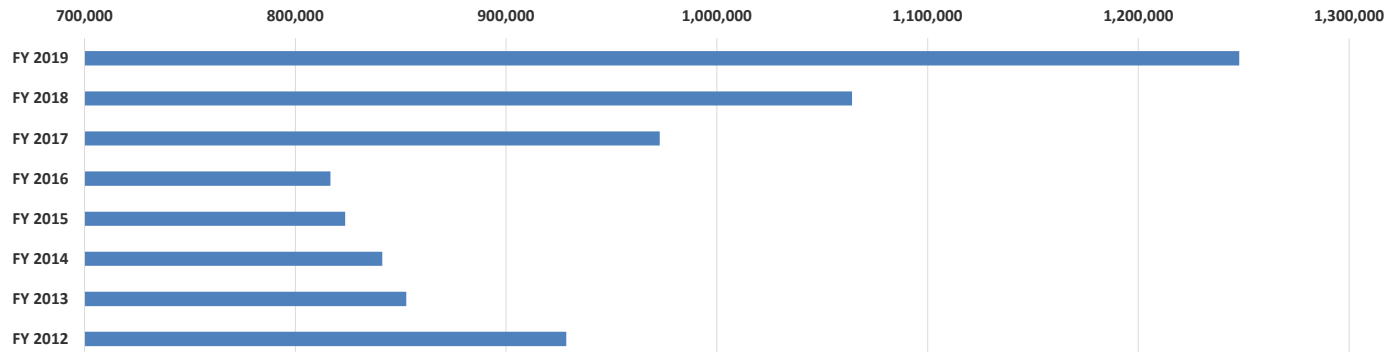
**WVRS Average Daily Flows
2017 - 2019**



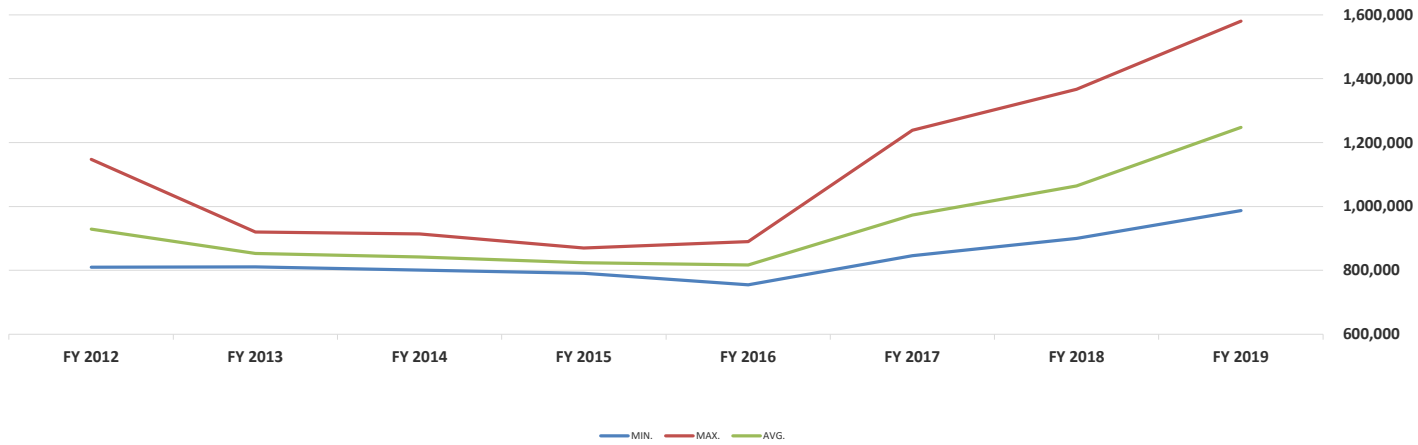
**WVRS Average Daily Flows
2019 v. Prior 7 Yr. Avg.**



20 21
WVRS Plant Flows
Average Daily
2012-2019



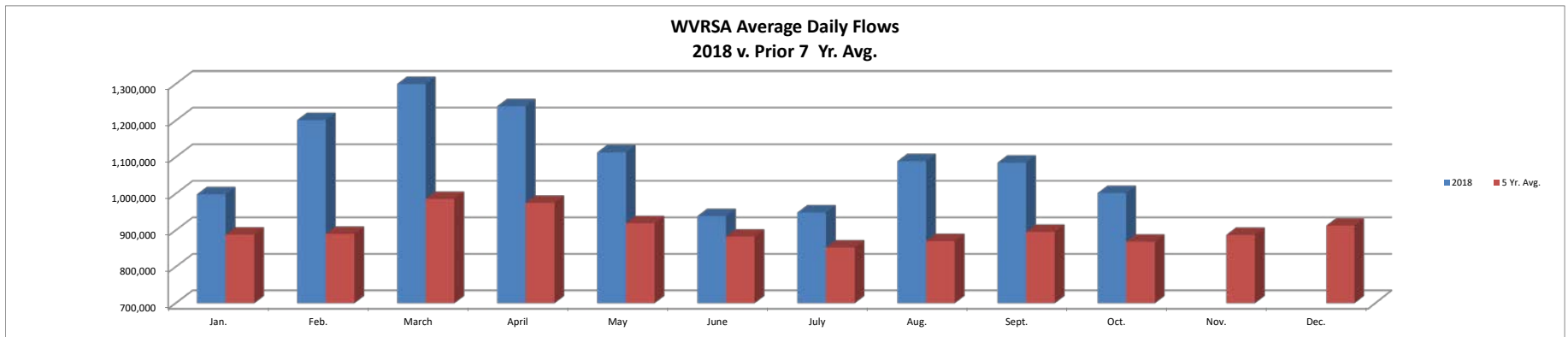
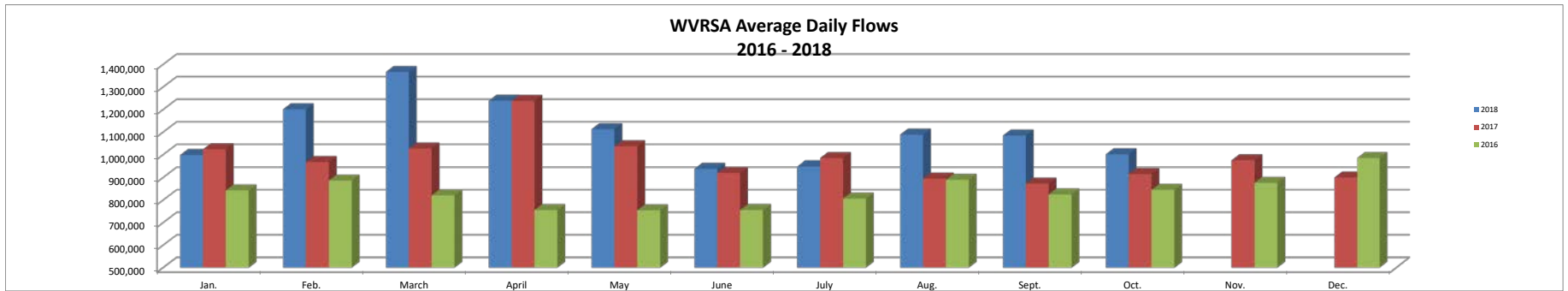
WVRS Plant Flows
Min - Max - Avg
2012-2020



WVRSR MONTHLY AVERAGE DAILY FLOW DATA

	2018	2017	Delta Prior Month	% Delta Prior Month	Delta 2017-2018	% Delta 2017-2018	2016	2015	2014	2013	2012	2011	7 Yr Avg 2011-2017	2018 Delta from 7 Yr Avg	2018 %Delta from 7 Yr Avg
Jan.	998,452	1,024,194	98,452	10.9%	(25,742)	-2.5%	842,903	824,839	830,129	851,387	979,774	864,097	888,189	110,263	12.4%
Feb.	1,201,115	967,250	202,663	21.0%	233,865	24.2%	886,172	791,036	814,929	869,250	914,793	988,643	890,296	310,819	34.9%
March	1,366,433	1,027,226	165,318	16.1%	339,207	33.0%	820,903	860,355	886,516	892,419	879,935	1,533,194	985,793	380,640	38.6%
April	1,239,267	1,238,567	(127,166)	-10.3%	700	0.1%	755,700	870,067	901,200	841,967	862,713	1,354,700	974,988	264,279	27.1%
May	1,113,097	1,037,323	(126,170)	-12.2%	75,774	7.3%	754,742	824,065	914,290	861,645	904,874	1,137,226	919,166	193,931	21.1%
June	938,667	919,933	(174,430)	-19.0%	18,734	2.0%	756,000	832,467	848,733	919,933	877,467	1,023,233	882,538	56,129	6.4%
July	948,613	984,935	9,946	1.0%	(36,322)	-3.7%	806,871	809,194	837,839	826,710	828,774	874,290	852,659	95,954	11.3%
Aug.	1,088,968	895,310	140,355	15.7%	193,658	21.6%	889,968	799,613	807,903	813,914	823,739	1,062,968	870,488	218,480	25.1%
Sept.	1,084,800	873,067	(4,168)	-0.5%	211,733	24.3%	825,233	807,467	800,433	810,267	809,923	1,342,300	895,527	189,273	21.1%
Oct.	1,001,667	915,323	(83,133)	-9.1%	86,344	9.4%	845,645	816,581	814,516	820,258	846,742	1,022,290	868,765	132,902	15.3%
Nov.		975,233	(1,001,667)	-102.7%	(975,233)	-100.0%	876,429	814,367	800,000	811,767	842,367	1,091,833	887,428	(887,428)	-100.0%
Dec.		900,000	-	0.0%	(900,000)	-100.0%	985,387	830,092	850,258	821,742	854,710	1,147,226	912,774	(912,774)	-100.0%

MIN.	938,667	873,067			65,600	7.5%	754,742	791,036	800,000	810,267	809,923	864,097	852,659
MAX.	1,366,433	1,238,567			127,866	10.3%	985,387	870,067	914,290	919,933	979,774	1,533,194	985,793
AVG.	1,098,108	979,863			118,244	12.1%	837,163	823,345	842,229	845,105	868,818	1,120,167	902,384



WVRSO INFLUENT/EFFLUENT FLOW (gallons/day)

WANAQUE VALLEY REGIONAL SEWERAGE AUTHORITY																													
MONTHLY AVERAGE FLOW- SEPT. 1987-PRESENT																													
FACILITY DESIGN FLOW= 1.25 MGD																													
MONTH	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
JAN.		580000	783300	719000	752000	757264	948700	857806	901252	1096645	945484	1025981	896819	923184	790852	844258	1094613	984452	1132452	1531613	1099452	1105645	991645	1015323	864097	979774	851387	830129	824839
FEB.		688000	738700	784000	705000	734786	831468	945746	846136	1084438	930064	1096177	923568	1033321	943596	836036	890750	923276	932929	1123436	882036	1314793	937286	936179	988643	914793	869250	814929	791036
MAR.		719000	721000	742000	838000	800710	1089571	1411419	901032	1049490	943080	1161992	1056158	1056574	1264729	859452	1193032	983129	1056290	926419	1093419	1343903	958581	1588613	1533194	879935	892419	886516	860355
APR.		654000	809000	769000	802000	776487	1092880	1164170	836177	1091590	898895	1113627	932887	1036413	1155969	900767	1102567	1069900	1256600	950333	1324300	1021633	1009733	1179500	1354700	862713	841967	901200	870067
MAY.		765000	1224000	859000	744394	787868	858652	910394	829748	947616	714006	1150710	911297	1004132	1182046	1024484	940226	989290	973806	977935	985226	1022871	1019516	954258	1137226	904874	861645	914290	824065
JUN.		709000	930000	729000	664680	939183	795920	854786	831917	872673	718300	1023627	874560	1047609	1166787	996000	1349100	893700	971433	1187967	906967	897500	1142517	865966	1023233	877467	919933	848733	832467
JUL.		705000	775000	659000	631348	770510	745858	827223	825526	899165	777519	889526	854587	1001527	1037258	829032	933484	925419	906581	964677	902548	862732	1001387	828097	874290	828774	826710	837839	809194
AUG.		717500	747000	763000	638330	786774	750471	831080	791126	796852	812994	849097	841842	970520	871548	816129	1198258	901516	881645	909613	947677	870677	994581	832903	1062968	823739	813914	807903	799613
SEP.	337000	769500	785000	661000	680910	775220	767050	802193	713697	762190	880753	828053	1096543	868127	860533	832267	1019500	993667	850448	1098500	873167	962833	897533	847667	1342300	809923	810267	800433	807467
OCT.	334000	760000	843000	640000	703601	742165	777090	804423	837536	862700	847306	853042	1014287	835854	823516	939774	1008677	933742	1413613	1119613	930194	907000	919258	897194	1022290	846742	820258	814516	816581
NOV.	371000	882500	754000	655000	700588	831328	793540	806047	1052493	809870	903490	875323	965713	861238	811603	1045133	1122000	884867	1167000	1354767	954767	976600	922100	867867	1091833	842367	811767	800000	814367
DEC.	625000	825700	665000	783000	771638	950258	936671	861671	825094	1158097	911365	802158	922652	854503	849323	1093774	1310355	1085355	1310387	1053742	1118677	1224710	1180452	945806	1147226	854710	821742	850258	830092
MIN.	334000	580000	665000	640000	631348	734786	745858	802193	713697	762190	714006	802158	841842	835854	790852	816129	890750	884867	850448	909613	873167	862732	897533	828097	864097	809923	810267	800000	791036
MAX.	625000	882500	1224000	859000	838000	950258	1092880	1411419	1052493	1158097	945484	1161992	1096543	1056574	1264729	1093774	1349100	1085355	1413613	1531613	1324300	1343903	1180452	1588613	1533194	979774	919933	914290	870067
AVG.	416750	731267	814583	730250	719374	804379	865656	923080	849311	952611	856938	972443	940909	957750	979813	918092	1096880	964026	1071099	1099885	1001536	1042575	997882	979948	1120167	868818	845105	842229	823345