Station Name Geronimo Creek @ Hollub Lane

TCEQ Segment No. 1804A
TCEQ Station Id No. 20747 GB705
Monitoring Type Routine
Latitude 29.545408 Longitude -97.918178

		Date and 24 hour time										
	Parameter	9/24/08	11/25/08	12/15/08	1/27/09	2/24/09	3/31/09	4/29/09	5/26/09	6/29/09	7/20/09	8/10/09
Parameter	Code	1042	941	933	1048	1206	1043	1016	1554	1025	1252	945
Season		Fall	Fall	Winter	Winter	Winter	Spring	Spring	Spring	Summer	Summer	Summer
Weather Conditions									Wet	Dry	Dry	Dry
Flow (cfs)	00061	7.6	10.2	8.1	8.2	7.5	8	8.2	6.2	3.6	3.8	3.6
E coli (organisms/100 mL)	31699	130	180	272	71	190	64	41	80	130	150	91
Suspended Solids (mg/L)	00530	5.7	1.3	2.7	5	3.3	3	8	5.7	3.7	5	6.3
Turbidity (NTU)	82079	3.2	1.96	2.35	2.05	1.78	1.59	2.81	2.09	1.83	2.6	3.2
pH	00400	7.8	7.7	7.7	7.8	7.8	7.7	7.8	8.1	7.8	8	7.9
Temperature (C)	00010	24.3	14.1	13.9	15.1	14.6	19.3	22.8	25.2	28.8	28.9	28.4
Dissolved Oxygen (mg/L)	00300	8.3	8.6	9.3	9	11.4	8.2	6.4	11.7	6.6	9.2	7.6
Conductivity (umhos/cm)	00094	800	843	876	803	715	786	781	759	726	717	726
Total Phosphorus (mg/L)	00665	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrate-N (mg/L)	00620	10.9	13.2	12.4	10.5	10.6	9.56	8.76	8.26	6.2	5.8	6.36
Chloride (mg/L)	00940	38.1	37.4	40.7	46.6	42.8	40.4	40.8	40.9	38	31.1	36.9
Sulfate (mg/L)	00945	70.7	74.8	80.8	84.1	81.9	77.6	80.1	78.5	83.3	64.4	79.8
Total Hardness (mg/L)	00900	220	298	302	280	267	269	263	243	210	206	195
Ammonia-N (mg/L)	00610	<0.10	<0.10	0.11	<0.10	<0.10	<0.10	<0.10	<0.10	0.14	<0.10	0.11
Chlorophyll a (mg/m^3)	32211	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	1.4	1.8	1.4
Pheophytin (mg/m^3)	32218	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0

		Date and 24 hour time										
	Parameter	9/14/09	10/6/09	11/11/09	12/8/09	1/15/10	2/8/10	2/25/10	3/8/10	3/11/10	4/19/10	5/17/10
Parameter	Code	1221	1328	1020	0858	1338	1331	1538	1153	1237	1112	901
Season		Fall	Fall	Fall	Winter							
Weather Conditions (Wet or Dry)		Wet	Wet	Wet	Wet							Wet
Flow (cfs)	00061	6.4	6.5	5.9	5.3	202	10.5		7.3		10.2	17.8
E coli (organisms/100 mL)	31699	400	1090	65	48	11000	130			81	2720	530
Suspended Solids (mg/L)	00530	18	29.3	9	12	95	11.3		4.7		126	41
Turbidity (NTU)	82079	17.2	24.8	6	10.2	76.9	19.7		2.1		123	40.5
pH	00400	7.8	7.9	7.8	7.5	7.9	7.7		7.7		7.7	7.5
Temperature (C)	00010	24.3	24.8	18	10.8	11.8	13.8		16.2		18.6	23.2
Dissolved Oxygen (mg/L)	00300	5.6	7.4	9.9	9.4	10.6	9.6		8.9		13.8	8.9
Conductivity (umhos/cm)	00094	536	648	663	823	315	534		939		466	304
Total Phosphorus (mg/L)	00665	0.07	0.1	<0.05	0.06	0.22	0.14		<0.05		0.19	0.18
Nitrate-N (mg/L)	00620	5.12	<0.05	7.6	6.44	2.46	3.3		8.16		3.2	1.79
Chloride (mg/L)	00940	22.3	26.6	30.8	38.5	11.8	26.9		51.9		20.6	8.7
Sulfate (mg/L)	00945	49	52.5	60.8	76.8	25.2	51.5		91		36.3	16.2
Total Hardness (mg/L)	00900	174	230	264	292	140	211		316		167	124
Ammonia-N (mg/L)	00610	0.14	0.11	<0.10	0.1	0.1	0.1		<0.10		0.14	0.13
Chlorophyll a (mg/m^3)	32211	<1.0	<1.0	<1.0	<1	17.2	<1.0		<1.0		1.2	<1.0
Pheophytin (mg/m^3)	32218	<1.0	<1.0	<1.0	<1	6.3	<1.0		<1.0		<1.0	<1.0
Selenium								4.17				
Arsenic Diss								2.78				
Cadmium, Dissolved								<1.00				
Copper, Dissolved								<1.00				
Lead, Dissolved								<1.00				
Nickel, Dissolved								1.29				
Silver, Dissolved								<1.00				
Zinc, Dissolved								<5.00				
Aluminum, Dissolved								10.9				
Chromium, Dissolved								1.36				
Mercury, Total								<0.150				

Station Name Geronimo Creek @ Hollub Lane

TCEQ Segment No. 1804A
TCEQ Station Id No. 20747 GB705
Monitoring Type Routine
Latitude 29.545408 Longitude -97.918178

Parameter	Parameter Code	6/17/10 1403	7/20/10 1514	8/9/10 1115	9/24/12 1052	10/18/12 0936	11/27/12 932	12/11/12 1132	1/2/13 1020	2/6/13 1139	3/25/13 0950	5/13/13 0947
		Date and 24 hour time										
Flow (cfs)	00061	20.5	12	8.1	7.0	6.1	6.4	7.4	6.3	6.7	5.8	3.5
E coli (organisms/100 mL)	31699	150	140	140	150	490	130	77	110	210	96	53
Suspended Solids (mg/L)	00530	11.7	9	6.7	7.90	3.10	2.75	1.30	1.00	1.50	2.30	1.90
Turbidity (NTU)	82079	9.2	7.6	4.1	5.8	2.4	1.8	1.2	1.2	1.5	1.6	1.60
pH	00400	7.7	7.4	7.6	7.8	7.7	7.5	7.5	7.8	7.9	7.6	7.9
Temperature (C)	00010	27.8	27.8	28.5	24.0	22.2	16.1	13.8	10.3	17.4	16.0	20.1
Dissolved Oxygen (mg/L)	00300	7	8.7	4.7	6.7	7.1	8.5	9.6	10.6	9.3	9.3	7.4
Conductivity (umhos/cm)	00094	765	826	784	762	828	828	849	823	771	769	767
Total Phosphorus (mg/L)	00665	0.08	0.05	<.05	0.03	0.02	<0.02	<0.02	<0.02	<0.02	0.02	0.02
Nitrate-N (mg/L)	00620	5.64	7.44	10.7	8.24	10.5	11.1	9.80	10.4	10.1	8.20	8.20
Chloride (mg/L)	00940	37	44	46.8	35.6	39.8	36.7	37.4	35.8	36.8	38.0	34.9
Sulfate (mg/L)	00945	74.9	86.2	93.1	71.4	79.1	74.7	76.3	72.9	73.3	74.9	69.4
Total Hardness (mg/L)	00900	289	294	264	255	261	260	273	273	250	233	253
Ammonia-N (mg/L)	00610	0.12	<0.10	0.13	0.13	0.15	0.35	0.77	0.17	0.22	0.22	0.21
Chlorophyll a (mg/m^3)	32211	1.1	<1.0	1	<1.00	<1.00	<1.00	<1.00	<1.00	<1.0	<1.0	<1.0
Pheophytin (mg/m^3)	32218	1.7	<1.0	<1	<1.00	<1.00	<1.00	<1.00	<1.00	<1.0	<1.0	2.08
TKN	00625				<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

Parameter	Parameter Code	6/12/13 0904	7/24/13 1006	8/6/13 904	9/18/13 1023	9/23/13 950	10/9/13 916	11/11/13 909	12/9/13 1242	1/14/14 905	2/3/14 1328	3/17/14 921
Weather Conditions		Dry	Dry	Dry	Dry	Dry	Wet	Wet	Dry	Wet	Dry	Dry	Dry
		Date and 24 hour time										
Flow (cfs)	00061	4.4	1.6	2.8	6.0	6.4	3.1	5.2	1.5	3.8	4.4	3.0
E coli (organisms/100 mL)	31699	120	180	61	650	240	140	140	490	120	440	870
Suspended Solids (mg/L)	00530	7.50	4.00	3.70	5.50	7.70	9.70	6.30	2.60	2.50	2.40	2.30
Turbidity (NTU)	82079		2.7	2.7	4.2	6.6	9.0	4.8	1.9	2.0	1.0	1.6
pH	00400	7.9	7.9	7.9	7.7	7.8	7.8	7.6	7.6	7.1	7.3	7.7
Temperature (C)	00010	25.9	27.8	28.4	25.8	22.4	20.2	17.6	9.5	10.9	10.2	14.6
Dissolved Oxygen (mg/L)	00300	5.8	6.3	6.5	5.5	6.1	7.4	7.5	10.0	10.0	10.8	8.8
Conductivity (umhos/cm)	00094	749	682	675	492	496	529	709	838	816	830	801
Total Phosphorus (mg/L)	00665	0.04	0.03	0.02	0.03	0.05	0.11	0.04	<0.02	<0.02	<0.02	<0.02
Nitrate-N (mg/L)	00620	6.70	5.50	5.80	4.20	4.30	3.60	7.00	9.20	9.30	9.50	7.20
Chloride (mg/L)	00940	31.6	32.1	35.9	22.4	22.9	20.9	29.8	36.7	38.6	38.2	38.5
Sulfate (mg/L)	00945	62.8	61.2	69.3	44.6	45.6	42.3	57.3	70.2	76.2	72.7	72.0
Total Hardness (mg/L)	00900	246	258	199	148	167	188	241	288	276	260	249
Ammonia-N (mg/L)	00610	0.26	<0.10	0.13	0.17	0.29	<.10	<0.10	<0.10	<0.10	<0.10	0.23
Chlorophyll a (mg/m^3)	32211	<1.0	<1.0	1.57	<1.0	<1.0	4.69	1.07	<1.0	8.96	<1.0	---
Pheophytin (mg/m^3)	32218	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	---
TKN	00625	<0.20	<0.20	<0.20	<0.20	<0.20	0.44	<0.20	<0.20	<0.20		<0.2

Parameter	Parameter Code	4/7/14 912	5/6/14 909	5/14/14 956	6/11/14 1324	7/21/14 1039	8/12/14 1348	9/10/14 1343	10/13/14 1425	11/5/14 1611	12/8/14 958	1/14/15 910
Weather Conditions		Dry	Dry	Wet	Dry	Dry	Dry	Wet	Wet	Wet	Dry	Dry
		Date and 24 hour time										
Flow (cfs)	00061	5.4	2.8		1.3	1.9	1.0	1.5		19	4.8	5.0
E coli (organisms/100 mL)	31699	54	24	800	110	190	100	120	130	2500	390	190
Suspended Solids (mg/L)	00530	2.10	3.30	17.0	9.10	1.50	4.70	4.10	2.50	14.2	6.50	4.50
Turbidity (NTU)	82079	1.7	2.1	12.1	4.7	3.8	3.4	3.2	3.0	10.3	5.3	4.2
pH	00400	7.5	7.6	7.9	7.3	7.7	8.0	8.1	7.8	8.0	7.4	7.9
Temperature (C)	00010	17.0	21.3	19.9	26.9	27.7	29.6	28.6	23.9	18.2	14.8	7.4
Dissolved Oxygen (mg/L)	00300	7.0	6.5	7.6	7.2	6.5	8.8	8.1	8.0	7.9	7.4	11.5
Conductivity (umhos/cm)	00094	804	763	751	545	655	688	498	661	535	654	626
Total Phosphorus (mg/L)	00665	<0.02	<0.02	0.06	0.08	0.02	0.02	0.02	0.02	0.05	2.87	0.02
Nitrate-N (mg/L)	00620	5.90	4.90	7.10	2.80	3.50	2.6	1.85	4.70	4.64	4.1	5.70
Chloride (mg/L)	00940	40.5	37.7	33.1	20.7	31.1	37.5	23.9	35.2	23.4	25.5	29.7
Sulfate (mg/L)	00945	75.8	73.1	65.1	39.5	59.1	69.8	45.1	66.0	46.1	50.5	53.2
Total Hardness (mg/L)	00900	256	252	255	181	200	198	143	235	183	234	237
Ammonia-N (mg/L)	00610	0.34	0.32	0.28	0.36	0.22	0.16	0.31	0.11	0.45	0.28	<0.10
Chlorophyll a (mg/m^3)	32211	---	2.05	<1.0	<1.0	1.13	1.57	<1.0	<1.0	<1.0	<1.0	<1.0
Pheophytin (mg/m^3)	32218	<1.0	<1.0	<1.0	<1.0	<1.0	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0
TKN	00625	0.386	<0.2	<0.2	0.54	0.30	0.34	0.51	<0.20	0.47	0.49	<0.20

Station Name Geronimo Creek @ Hollub Lane

TCEQ Segment No. 1804A
TCEQ Station Id No. 20747 GB705
Monitoring Type Routine
Latitude 29.545408 Longitude -97.918178

Parameter	Parameter Code	1/28/15 914 Wet	2/10/15 949 Wet	3/16/15 931 Dry	4/13/15 1210 Dry	5/19/15 1014 Wet	6/10/15 1218 Dry	7/7/15 1508 Dry	8/17/15 856 Dry	9/10/15 1412 Wet	10/20/15 907 Dry	11/3/15 956 Wet
Date and 24 hour time												
Flow (cfs)	00061	6.6	-6.1	5.3	8.9	37	11.0	15.0	10	9.1	9.5	
E coli (organisms/100 mL)	31699	320	210	390	310	530	130	200	140	88	100	190
Suspended Solids (mg/L)	00530	18.10	7.40	20.4	10.0	35.8	23.1	8.50	3.30	3.20	2.90	75.3
Turbidity (NTU)	82079	26.7	6.2	4.6	6.3	52.8	9.9	6.9	2.5	2.8	2.3	60.9
pH	00400	7.7	7.9	7.8	7.7	7.9	7.9	8.1	7.8	7.7	7.8	7.6
Temperature (C)	00010	10.9	13.7	17.0	21.4	24.4	27.0	27.0	27.0	27.7	19.5	20.5
Dissolved Oxygen (mg/L)	00300	9.4	10.4	8.5	6.6	7.0	7.3	7.7	6.1	8.8	7.5	6.7
Conductivity (umhos/cm)	00094	318	707	611	765	289	868	908	815	789	766	397
Total Phosphorus (mg/L)	00665	0.10	0.03	0.03	0.05	0.22	0.08	0.03	<0.02	<0.02	<0.02	0.20
Nitrate-N (mg/L)	00620	2.0	5.60	2.90	4.50	1.22	8.10	10.4	11.3	11.8	11.7	1.86
Chloride (mg/L)	00940	16.4	35.5	30.3	37.0	11.8	44.2	47.0	36.6	34.0	32.3	14.9
Sulfate (mg/L)	00945	29.3	66.7	52.8	66.9	20.7	76.6	86.1	76.5	73.3	70.4	28.4
Total Hardness (mg/L)	00900	155	261	208	268	165	300	313	253	235	248	171
Ammonia-N (mg/L)	00610	0.20	<0.10	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorophyll a (mg/m^3)	32211	3.14	3.89	<1.0	<1.0	1.19	3.26	1.48	<1.00	<1.00	<1.00	<1.00
Pheophytin (mg/m^3)	32218	<1.0	<1.0	<1.0	<1.0	<1.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
TKN	00625	0.59	0.46	0.44	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	1.50

Parameter	Parameter Code	12/7/15 853 Dry	1/11/16 859 Dry	2/8/16 1006 Dry	3/8/16 1528 Dry	4/12/16 951 Wet	5/9/16 1020 Dry	6/1/16 910 Wet	7/18/16 1240 Dry	8/15/16 1011 Dry	9/12/16 1010 Dry	10/17/16 920 Dry
Date and 24 hour time												
Flow (cfs)	00061	14.0	13.0	12	12	13	22	70*	15	16	35	19
E coli (organisms/100 mL)	31699	50	60	46	110	72	170	10000	100	880	71	170
Suspended Solids (mg/L)	00530	2.00	2.80	2.30	1.10	0.70	3.70	118	1.10	6.20	3.20	–
Turbidity (NTU)	82079	1.8	2.2	1.4	1.1	4.3	3.8	153	3.6	5.6	3.0	3.6
pH	00400	7.8	7.7	7.5	7.8	7.6	7.7	7.7	7.8	7.8	7.8	7.6
Temperature (C)	00010	12.6	11.0	11.7	21.6	20.7	21.5	21.9	27.2	25.0	25.0	23.9
Dissolved Oxygen (mg/L)	00300	9.3	9.7	10.0	11.8	7.3	7.4	7.6	7.3	7.7	6.8	7.3
Conductivity (umhos/cm)	00094	838	829	792	770	801	811	183	779	654	800	795
Total Phosphorus (mg/L)	00665	0.03	<0.02	<0.02	0.02	0.02	0.03	0.35	0.02	0.02	0.03	0.02
Nitrate-N (mg/L)	00620	10.7	9.72	9.9	11.2	10.8	11.4	1.44	13.7	8.10	10.8	10.8
Chloride (mg/L)	00940	35.6	36.8	37.6	34.0	34.4	31.6	4.11	31.2	22.2	27.9	28.2
Sulfate (mg/L)	00945	73.1	73.3	76.2	71.0	70.9	65.3	5.98	68.9	51.2	62	64.7
Total Hardness (mg/L)	00900	285	289	265	247	266	269	104	243	223	266	272
Ammonia-N (mg/L)	00610	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.24	<0.10	<0.10	<0.10
Chlorophyll a (mg/m^3)	32211	<1.00	1.36	<1.0	<1.0	<1.0	<1.0	1.87	1.81	<1.0	<1.00	<1.00
Pheophytin (mg/m^3)	32218	<1.00	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.70	<1.00	<1.00
TKN	00625	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	1.11	<0.20	<0.20	<0.20	<0.20

* Estimate due to high flows

Parameter	Parameter Code	11/15/16 903 Dry	12/8/16 1131 Wet	1/25/17 958 Dry	2/16/17 947 Wet	3/20/17 954 Dry	4/6/17 922 Dry	5/9/17 842 Dry	6/13/17 905 Dry	7/13/17 1145 Dry	8/14/17 1155 Dry	9/13/17 900 Dry
Date and 24 hour time												
Flow (cfs)	00061	14	29.0	19	20	26	24	24	23	14	15	21
E coli (organisms/100 mL)	31699	200	320	140	360	190	200	91	140	>2400	150	220
Suspended Solids (mg/L)	00530	3.10	11.9	3.00	3.40	5.00	8.20	4.00	2.80	2.50	3.80	2.60
Turbidity (NTU)	82079	3.4	16.0	3.6	4.5	5.7	6.1	2.5	3.1	3.0	3.0	1.3
pH	00400	7.7	7.6	7.8	8.0	7.9	8.1	7.9	8.0	7.8	7.9	7.9
Temperature (C)	00010	18.4	13.1	17.1	15.4	21.2	18.7	21.4	25.1	26.9	27.7	21.9
Dissolved Oxygen (mg/L)	00300	8.5	9.8	8.5	8.6	7.9	9.4	7.6	6.9	8.1	7.2	7.5
Conductivity (umhos/cm)	00094	804	518	790	806	879	847	825	793	743	749	785
Total Phosphorus (mg/L)	00665	0.02	0.18	0.04	0.03	0.04	0.04	0.02	<0.02	<0.02	0.02	0.02
Nitrate-N (mg/L)	00620	10.9	5.09	10.0	8.92	9.5	10.4	12.2	13.2	12.4	11.3	12.2
Chloride (mg/L)	00940	27.4	24.4	34.4	32.5	36.7	37.1	30.2	31.5	28.0	27.8	29.2
Sulfate (mg/L)	00945	64	46.4	69.0	63.5	75.4	71.4	61.8	73.1	63.9	61.9	62.7
Total Hardness (mg/L)	00900	269	184	298	228	309	271	281	260	227	247	274
Ammonia-N (mg/L)	00610	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10
Chlorophyll a (mg/m^3)	32211	<1.00	<1.00	<1.00	1.16	<1.00	<1.00	1.34	<1.00	<1.00	<1.00	<1.00
Pheophytin (mg/m^3)	32218	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
TKN	00625	<0.20	1.03	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

* Estimate due to high flows

Station Name Geronimo Creek @ Hollub Lane

TCEQ Segment No. 1804A
TCEQ Station Id No. 20747 GB705
Monitoring Type Routine
Latitude 29.545408 Longitude -97.918178

Parameter	Parameter Code	10/16/17 918 Dry	2/21/18 1233 Dry	3/15/18 944 Dry	4/16/18 904 Dry	5/7/28 735 Wet	6/20/18 839 Dry	7/5/18 930 Dry	8/27/18 936 DRY	9/12/18 852 Wet	1022/18 933 Wet	11/20/18 853 Dry
Date and 24 hour time												
Weather Conditions												
Flow (cfs)	00061	19	17.0	20	20	17	14	14	0.1	92	*	16
E coli (organisms/100 mL)	31699	210		190	160	140	640	220	160	5000	110	54
Suspended Solids (mg/L)	00530	2.70	1.5	1.40	3.90	3.20	3.60	2.60	3.90	160	10.60	3.10
Turbidity (NTU)	82079	1.9	1.4	2.0	2.0	2.1	2.4	2.5	2	154	7.7	2.9
pH	00400	7.9	7.9	7.8	7.8	7.9	7.8	7.5	7.8	7.7	7.8	7.5
Temperature (C)	00010	21.3	15.5	16.2	17.8	21.2	25.5	26.4	27.3	24.3	17.9	13.6
Dissolved Oxygen (mg/L)	00300	7.6	8.5	8.5	8.3	7.5	6.5	6.3	6.3	6.7	8	12.2
Conductivity (umhos/cm)	00094	787	770	769	802	787	726	638	693	328	623	803
Total Phosphorus (mg/L)	00665	0.02	<0.02	<0.02		0.03	0.02	0.2	<0.02	0.29	0.1	0.03
Nitrate-N (mg/L)	00620	10.8	11.60	11.1	11.80	12.3	12.5	10.7	12.6	3.6	8.05	11.4
Chloride (mg/L)	00940	29.3	31.2	30.2	32.8	31.2	27.2	23.9	27.7	10.2	22.7	31.6
Sulfate (mg/L)	00945	66.1	64.6	62.0	67.4	65.1	57.9	50.5	59.7	22.2	46.4	64.5
Total Hardness (mg/L)	00900	273	267	257	283	281	247	210	225	118	240	304
Ammonia-N (mg/L)	00610	0.31	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorophyll a (mg/m^3)	32211	<1.00	1.01	<1.00	<1.00	1.04	<1.00	1.13	<1.00	3.07	<1.00	<1.00
Pheophytin (mg/m^3)	32218	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	1.32	<1.00	<1.00
TKN	00625	<0.20	<0.20	<0.20	<0.2	<0.20	<0.20	<0.20	<0.20	1.38	<0.20	<0.20

* Estimate due to high flows

Parameter	Parameter Code	12/17/18 911 Dry	1/14/19 905 Dry	2/18/19 900 Dry	3/25/19 1206 Dry	4/30/19 916 Wet	5/21/19 800 Wet	6/18/19 840 Wet	7/9/19 901 Dry	8/6/19 845 Dry	9/3/19 955 Dry	10/28/19 911 Wet
Date and 24 hour time												
Weather Conditions												
Flow (cfs)	00061	19	22.0	17	16	16	6.5	16	12	13	8.7	9.5
E coli (organisms/100 mL)	31699	86	340	2400	61	410	170	580	240	150	120	160
Suspended Solids (mg/L)	00530	9.00	2.6	1.80	1.80	28.70	11.50	25.60	2.00	2.80	2.40	2.20
Turbidity (NTU)	82079	3.0	2.2	1.7	1.3	5.5	6.8	17	2.6	2.3	2.4	1.6
pH	00400	7.5	7.2	7.6	8.1	8.0	8	7.7	7.9	7.9	7.7	8.1
Temperature (C)	00010	12.8	12.7	14.5	20.6	22.5	24.9	24.5	27.2	27.1	25.9	16.2
Dissolved Oxygen (mg/L)	00300	9.9	12	9.2	8.7	6.8	7.8	5.7	6.7	6.2	6.6	8.1
Conductivity (umhos/cm)	00094	802	779	629	738	784	765	405	733	701	694	728
Total Phosphorus (mg/L)	00665	0.04	0.02	0.02	<0.02	0.032	0.04	0.073	0.023	<0.02	0.02	0.02
Nitrate-N (mg/L)	00620	10.7	10.60	11.9	12.00	11.4	11.5	4.82	11.7	11.5	12.1	10.9
Chloride (mg/L)	00940	33.4	34.9	34	30.0	31.6	31.6	14.4	30.7	28.1	29.6	28.5
Sulfate (mg/L)	00945	66.7	66.1	66.5	62.3	65.6	62.9	29.3	63.1	59.2	62.8	57.4
Total Hardness (mg/L)	00900	305	290	268	269	284	280	153	253	240	240	268
Ammonia-N (mg/L)	00610	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorophyll a (mg/m^3)	32211	2.14	<1.00	<1.00	1.54	10.4	<1.00	1.39	<1.00	<1.00	<1.00	<1.00
Pheophytin (mg/m^3)	32218	<1.00	<1.00	3.12	<1.00	3.68	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
TKN	00625	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.69	<0.20	<0.20	<0.2	<0.2

* Estimate due to high flows

Parameter	Parameter Code	11/18/19 911 Dry	12/4/19 938 Dry	3/23/20 912 Wet	4/20/20 915 Dry	5/13/20 903 Wet	6/25/21 903 Wet
Weather Conditions							
Flow (cfs)	00061	11	10.0	15	11	31	10
E coli (organisms/100 mL)	31699	55	82	2900	110	820	170
Suspended Solids (mg/L)	00530	1.10	5.2	161.00	4.10	5.90	16.20
Turbidity (NTU)	82079	1.1	2.3	160.0	<0.20	4.5	8.8
pH	00400	7.9	7.6	7.2	8.0	7.8	7.6
Temperature (C)	00010	11.9	13.0	16.3	17.5	21.2	25.4
Dissolved Oxygen (mg/L)	00300	9.3	9	8.3	7.9	6.5	6.1
Conductivity (umhos/cm)	00094	779	782	379	779	701	556
Total Phosphorus (mg/L)	00665	<0.02	0.03	0.242	0.031	0.038	0.07
Nitrate-N (mg/L)	00620	11.6	11.10	3.7	10.20	9.3	6.7
Chloride (mg/L)	00940	29.7	30.4	14.3	32.4	28.6	20.9
Sulfate (mg/L)	00945	60.6	62.0	27.2	65.0	57.4	42.4
Total Hardness (mg/L)	00900	290	265	156	279	233	196
Ammonia-N (mg/L)	00610	0.7	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorophyll a (mg/m^3)	32211	<1.00	<1.00	<1.00	<1.00	<1.00	1.96
Pheophytin (mg/m^3)	32218	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
TKN	00625	<0.2	<0.20	0.95	<0.20	<0.20	<0.20

* Estimate due to high flows