

Table C-1  
Storm Field Summary Report for OF230 WY2021

Storm Flow Criteria	Storm 1	Storm 2	Storm 3	Storm 4	Storm 5 (Full)	Storm 5 (Partial)	Storm 6	Storm 7	Storm 8	Storm 9	Storm 10	Storm 11	Storm 12	
Start of Rainfall	11/4/2020	11/12/2020	12/8/2020	12/29/2020	1/11/2021	1/11/2021	1/30/2021	2/21/2021	3/4/2021	3/24/2021	4/7/2021	5/27/2021	6/12/2021	
	18:05:00	18:30:00	4:00:00	18:05:00	8:20:00	8:20:00	16:55:00	21:45:00	14:05:00	18:20:00	14:15:00	3:05:00	20:40:00	
End of Rainfall	11/5/20	11/13/2020	12/9/2020	12/31/2020	1/13/2021	1/12/2021	2/3/2021	2/22/2021	3/4/2021	3/25/2021	4/7/2021	5/27/2021	6/13/2021	
	15:35:00	18:50:00	2:20:00	4:10:00	0:15:00	6:40:00	6:10:00	13:40:00	21:10:00	7:25:00	23:45:00	21:10:00	19:35:00	
Antecedent Dry Period (hours)	<0.02 in 24 hours	20	49.67	188.42	56.83	25.92	25.92	14.67	51	176.33	63.75	239.75	66	21.17
Total Rainfall (inches)	>0.2	0.42	0.58	0.66	1.09	3.22	2.02	1.48	1.01	0.2	0.5	0.22	0.83	0.86
Rainfall Duration (hours)		21.50	24.33	22.33	34.08	39.92	22.33	85.25	15.92	7.08	13.08	9.50	18.08	22.92
Start of Storm Flow	11/4/20 18:25	11/12/20 18:50	12/8/20 4:45	12/29/20 18:15	1/11/21 8:45	1/11/21 8:45	1/30/21 17:55	2/21/21 21:55	3/4/21 14:10	3/24/21 18:30	4/7/21 17:50	5/27/21 3:50	6/12/21 23:45	
End of Storm Flow	11/5/20 16:30	11/13/20 8:50	12/9/20 4:30	12/31/20 4:25	1/13/21 2:30	1/12/21 12:15	2/3/21 5:35	2/22/21 16:05	3/4/21 21:55	3/25/21 10:00	4/8/21 0:25	5/27/21 18:50	6/13/21 19:30	
Total Volume of Storm Runoff (cf)		168,750	342,884	281,664	859,429	2,734,922	1,918,569	1,991,932	641,862	100,219	267,958	68,053	404,844	362,987
Duration of storm runoff (hours)		22.08	14.00	23.75	34.17	41.75	27.50	83.67	18.17	7.75	15.50	6.58	15.00	19.75
Corrected Duration of storm runoff (hours)		14.16	14.00	18.92	28.34	33.59	25.92	36.84	18.00	7.42	15.00	6.58	13.33	17.33
Flow Calculation (method)	Area*Velocity													
Flow Range (cfs) Avg		2.12	6.80	3.29	6.99	18.20	19.38	6.61	9.81	3.59	4.80	2.87	7.50	5.11
Flow Range (cfs) Max		13.86	27.20	11.73	31.81	111.25	65.27	153.36	35.91	7.83	11.44	25.37	98.76	31.19
Volume Sampled (cf)	>75% of Storm Volume Sampled	104,888	211,035	184,922	501,827	1,397,760	1,397,760	569,304	519,298	67,795	157,255	62,225	297,258	267,804
Sample Type (Flow/Time Composite)														
Start of Event	11/4/2020	11/12/2020	12/8/2020	12/30/2020	1/11/2021	1/11/2021	1/30/2021	2/21/2021	3/4/2021	3/24/2021	4/7/2021	5/27/2021	6/12/2021	
	20:40:00	20:57:00	4:15:00	13:33:00	9:31:00	9:31:00	20:14:00	23:00:00	14:35:00	18:50:00	17:40:00	7:10:00	23:59:00	
End of Event	11/6/2020	11/13/2020	12/8/2020	12/31/2020	1/12/2021	1/12/2021	2/1/2021	2/22/2021	3/5/2021	3/25/2021	4/7/2021	5/27/2021	6/13/2021	
	5:40:00	7:43:00	22:53:00	15:14:00	6:41:00	6:41:00	23:17:00	22:56:00	2:00:00	9:55:00	23:41:00	18:25:00	17:44:00	
Sampling Duration (hours)	>2*Time of Concentration up to 24 hours	33.00	10.77	18.63	25.68	21.17	21.17	51.05	23.93	11.42	15.08	6.02	11.25	17.75
Corrected Sampling Duration (hours)		10.40	8.72	11.13	13.65	18.18	18.18	12.37	17.60	5.83	8.42	6.02	6.98	8.48
Disable time subtracted		22.60	2.05	7.50	12.03	2.99	2.99	38.68	6.33	5.59	6.66	0.00	4.27	9.27
Aliquots Composited	≥10	12	10	48	27	48	48	44	22	17	38	19	46	32
Conductivity Range (uS/cm)	<2,000	49.8 - 65.1	21.61 - 77.7	39.7 - 82.8	43.0 - 103.9	18.83 - 53.2	18.83 - 53.2	34.1 - 107	35.3 - 46.9	129.6 - 378	59.2 - 179	62.2 - 331	24.78 - 77.7	19.4 - 63.9
Tidal Window Time (24:00) Stage (feet)		11/4/2020 18:01 9.88 11/5/2020 11:50 0.93 01:08 -0.81 08:27 11.67 14:10 7.57 18:38 9.45 11/6/2020 1:52 -0.47 09:19 11.59	11/12/2020 14:13 12.73 12/8/2020 20:55 0.93 11/13/2020 08:51 3.72 03:11 10.67 14:47 12.93 21:34 -0.73	12/7/2020 21:45 8.29 12/8/2020 4:09 1.76 11/13/2020 18:07 4.58 11:21 12.59 23:21 8.22 12/9/2020 5:12 2.99	12/30/2020 11:32 7.96 12/8/2020 16:01 10.75 23:09 -1.91 6:39 12.67 12/31/2020 12:09 7.82 12/30/2020 23:48 -2.12	1/11/2021 4:36 12.15 9:36 8.14 14:19 12.11 21:35 -2.85 1/12/2021 5:22 12.79 10:34 7.95	1/11/2021 4:36 12.15 9:36 8.14 14:19 12.11 21:35 -2.85 1/12/2021 5:22 12.79 10:34 7.95	1/30/2021 17:23 11.1 1/31/2021 00:12 -1.47 2/1/2021 7:14 13.07 2/1/2021 18:15 10.82 2/1/2021 00:52 -0.5 7:46 13.2 2/3/2021 13:50 4.6 19:12 10.3	2/21/2021 18:37 1.01 2/22/2021 2:55 10.49 8:23 8.17 12:20 9.49 19:31 0.45 3/3/2021 3:36 11.10	3/4/2021 8:07 12.5 14:59 0.2 21:41 10.0 3/5/2021 2:58 6.1	3/24/2021 13:59 9.1 20:44 0.4 3/25/2021 4/8/2021 4:12 11.4 10:07 6.2	4/7/2021 14:31 9.2 20:57 1.0 19:39 12.55 5/28/2021 4:17 11.9	5/27/2021 05:06 12.21 12:14 -3.98 19:39 12.55 00:59 7.11 05:49 11.74 13:00 -3.96	6/12/2021 20:29 11.98 6/13/2021 02:03 7.61 06:22 9.69 13:33 -1.83 20:45 12.05 6/14/2021 02:47 7.45 07:06 9.43 14:15 -1.49 20:10 12.10
Percent coverage		62.16	61.55	65.65	58.39	51.11	72.85	28.58	80.91	67.65	58.69	91.44	73.43	73.78

Table C-2  
Storm Field Summary Report for OF235 WY2021

Storm Flow Criteria	Storm 1	Storm 2 (Full)	Storm 2 (Partial)	Storm 3	Storm 4	Storm 5	Storm 6	Storm 7	Storm 8	Storm 9	Storm 10	Storm 11	Storm 12	Storm 13	Rejected Storm 14	Storm 15
Start of Rainfall	10/13/2020 0:50:00	11/4/2020 18:05:00	11/4/2020 18:05:00	11/12/2020 18:30:00	12/8/2020 4:00:00	12/25/2020 13:35:00	1/11/2021 8:20:00	1/30/2021 16:55:00	2/21/2021 21:45:00	3/4/2021 14:05:00	3/24/2021 18:20:00	4/7/2021 14:15:00	5/27/2021 3:05:00	6/12/2021 20:40:00	9/18/2021	9/26/2021 17:10:00
End of Rainfall	10/13/2020 7:05:00	11/5/2020 15:35:00	11/5/2020 1:45:00	11/13/2020 18:50:00	12/9/2020 2:20:00	12/25/2020 21:35:00	1/13/2021 0:15:00	2/3/2021 6:10:00	2/22/2021 13:40:00	3/4/2021 21:10:00	3/25/2021 7:25:00	4/7/2021 23:45:00	5/27/2021 21:10:00	6/13/2021 19:35:00		9/27/2021 17:30:00
Antecedent Dry Period (hours)	<0.02 in 24 hours 26.42	20	20	49.67	188.42	88.83	25.92	14.67	51	176.33	63.75	239.75	66	21.17		171.17
Total Rainfall (inches)	>0.2 0.56	0.42	0.24	0.58	0.66	0.34	3.22	1.48	1.01	0.2	0.5	0.22	0.83	0.86		0.77
Rainfall Duration (hours)	6.25	21.50	7.67	24.33	22.33	8.00	39.92	85.25	15.92	7.08	13.08	9.50	18.08	22.92		24.33
Start of Storm Flow	10/13/20 1:00	11/4/20 18:25	11/4/20 18:25	11/12/20 18:50	12/8/20 4:45	12/25/20 14:00	1/11/21 8:35	1/30/21 17:55	2/21/21 22:05	3/4/21 14:15	3/24/21 18:35	4/7/21 15:25	5/27/21 3:45	6/12/21 22:20		9/26/21 17:20
End of Storm Flow	10/13/20 8:35	11/5/20 17:15	11/5/20 3:50	11/13/20 9:25	12/9/20 4:30	12/25/20 22:30	1/13/21 3:00	2/3/21 6:20	2/22/21 16:35	3/4/21 21:45	3/25/21 9:20	4/8/21 1:05	5/27/21 22:45	6/13/21 18:40		9/27/21 18:50
Total Volume of Storm Runoff (cf)	185,936	114,123	55,831	189,480	202,947	105,359	1,177,657	546,472	298,889	53,258	127,175	55,426	176,175	256,008		208,975
Duration of storm runoff (hours)	7.58	22.83	9.42	14.58	23.75	8.50	42.42	84.42	18.50	7.50	14.75	9.67	19.00	20.33		25.50
Corrected Duration of storm runoff (hours)	7.58	19.16	9.42	14.58	21.17	8.50	39.17	71.42	18.50	7.50	14.75	9.67	18.00	20.33		23.08
Flow Calculation (method)	Area*Velocity															
Flow Range (cfs) Avg	6.81	1.39	1.65	3.61	2.37	3.44	7.71	1.80	4.49	1.97	2.40	1.59	2.58	3.50		2.28
Flow Range (cfs) Max	25.93	8.67	8.67	20.58	8.86	9.06	22.63	18.78	18.11	4.07	6.58	17.67	41.43	21.47		28.59
Volume Sampled (cf)	>75% of Storm Volume Sampled 183,228	50,308	50,308	187,699	112,956	98,912	935,475	378,678	290,507	50,661	102,278	43,607	127,611	240,126		180,060
Sample Type (Flow/Time Composite)																
Start of Event	10/13/2020 1:00:00	11/4/2020 18:30:00	11/4/2020 18:30:00	11/12/2020 18:55:00	12/8/2020 5:26:00	12/25/2020 14:40:00	1/11/2021 9:33:00	1/30/2021 19:22:00	2/21/2021 22:15:00	3/4/2021 14:10:00	3/24/2021 18:48:00	4/7/2021 19:18:00	5/27/2021 5:45:00	6/12/2021 22:44:00		9/26/2021 17:40:00
End of Event	10/13/2020 8:13:00	11/5/2020 2:13:00	11/5/2020 2:13:00	11/13/2020 9:12:00	12/8/2020 20:00:00	12/27/2020 7:51:00	1/12/2021 19:58:00	2/2/2021 16:32:00	2/22/2021 16:32:00	3/4/2021 21:14:00	3/25/2021 9:03:00	4/8/2021 0:19:00	5/27/2021 23:20:00	6/13/2021 18:08:00		9/27/2021 13:54:00
Sampling Duration (hours)	>2*Time of Concentration up to 24 hours 7.22	7.72	7.72	14.28	14.57	41.18	34.42	69.62	18.28	7.07	14.25	5.02	17.58	19.40		20.23
Corrected Sampling Duration (hours)	7.22	7.22	7.22	14.13	10.08	7.67	28.63	40.42	16.45	6.90	10.05	4.77	8.72	14.13		11.48
Disable time subtracted	0.00	0.50	0.50	0.15	4.49	33.51	5.79	29.20	1.83	0.17	4.20	0.25	8.86	5.27		8.75
Aliquots Compositied	≥10 24	10	10	14	48	20	48	48	21	22	41	25	28	46		19
Conductivity Range (uS/cm)	<2,000 27.56 - 61.8	67.2 - 124.7	67.2 - 124.7	29.31 - 97.5	49.7 - 502	223 - 698	40.3 - 66.7	33.7 - 235.4	50.9 - 226.6	201.0 - 736	67.6 - 223.4	118.2 - 711	30.7 - 102.0	29.5 - 110.5		26.9 - 98.4
Tidal Window Time (24:00) Stage (feet)	10/13/2020 02:07 9.22 08:33 0.74 15:32 11.82 21:44 4.39	11/4/2020 18:01 9.88 11/5/2020 01:08 -0.81 08:27 11.67 14:10 7.57 18:38 9.45	11/4/2020 18:17 9.88 11/5/2020 01:08 -0.81 08:27 11.67 14:10 7.57 18:38 9.45	11/12/2020 14:13 12.73 12/8/2020 20:55 0.93 11/13/2020 4:09 1.76 03:11 10.67 11:21 12.59 08:51 3.72 14:47 12.93 21:34 -0.73	12/7/2020 15:13 8.29 12/8/2020 20:24 0.86 12/26/2020 4:09 1.76 3:41 10.27 11:21 12.59 8:40 7.35 13:48 11.13 12/9/2020 20:55 0.02 12/27/2020 5:12 2.99	12/25/2020 13:16 11.35 12/26/2020 20:24 0.86 12/26/2020 4:09 1.76 3:41 10.27 11:21 12.59 8:40 7.35 13:48 11.13 20:55 0.02 12/27/2020 5:12 2.99	12/25/2020 13:16 11.35 12/26/2020 20:24 0.86 12/26/2020 4:09 1.76 3:41 10.27 11:21 12.59 8:40 7.35 13:48 11.13 20:55 0.02 12/27/2020 5:12 2.99	1/11/2021 4:36 12.15 1/31/2021 9:36 8.14 1/19 12.11 21:35 -2.85 1/12/2021 13:04 5.54 18:15 10.82 2/1/2021 10:34 7.95 12/27/2020 15:09 11.88 4:26 11.05 9:34 7.71 2:20 10.95	1/30/2021 17:23 11.1 1/31/2021 16:46 1.86 2/20/2021 7:14 13.07 00:15 9.1 4:52 7.8 17:40 1.5 2/21/2021 00:52 -0.5 7:46 13.2 13:50 4.6 19:12 10.3 2/2/2021 1:34 0.8 8:19 13.2 14:41 3.5 20:18 9.7	2/19/2021 9:38 10.58 14:59 0.2 2/20/2021 21:41 10.0 3/25/2021 4:12 11.4 4:17 11.9	3/4/2021 8:07 12.5 14:59 0.2 3/25/2021 10:07 6.2	3/24/2021 13:59 9.1 20:44 0.4 4/8/2021 19:39 12.55 5/28/2021 00:59 7.11 20:45 12.05 6/14/2021 02:47 7.45 07:06 9.43 14:15 -1.49 20:10 12.10	4/7/2021 05:06 12.21 12:14 -3.98 19:39 12.55 06:22 9.69 13:33 -1.83 05:49 11.74 13:00 -3.96	5/27/2021 14:31 9.2 12:14 -3.98 19:39 12.55 06:22 9.69 13:33 -1.83 05:49 11.74 13:00 -3.96	6/12/2021 20:29 11.98 6/13/2021 02:03 7.61 06:22 9.69 13:33 -1.83 05:49 11.74 6/14/2021 02:47 7.45 07:06 9.43 14:15 -1.49 20:10 12.10	9/26/2021 03:18 6.39 08:39 9.71 9/27/2021 3:32 0.72 10:47 10.08 16:24 7.18 21:18 9.05 9/28/2021 04:21 0.97
Percent coverage	98.54	44.08	90.11	99.06	55.66	93.88	79.44	69.30	97.20	95.12	80.42	78.68	72.43	93.80		86.16

Table C-1 to C-7\_WY2021

Table C-3  
Storm Field Summary Report for OF237ANew WY2021

	Storm Flow Criteria	Storm 1	Storm 2	Storm 3	Storm 4	Storm 5	Storm 6	Storm 7	Storm 8	Storm 9	Storm 10	Storm 11
Start of Rainfall		11/12/2020 18:30:00	12/15/2020 4:05:00	12/25/2020 13:35:00	1/30/2021 16:55:00	2/21/2021 21:45:00	3/24/2021 18:20:00	4/7/2021 14:15:00	5/27/2021 3:05:00	6/6/2021 8:00:00	6/12/2021 20:40:00	9/29/2021 21:25:00
End of Rainfall		11/13/2020 18:50:00	12/15/2020 16:10:00	12/25/2020 21:35:00	2/3/2021 6:10:00	2/22/2021 13:40:00	3/25/2021 7:25:00	4/7/2021 23:45:00	5/27/2021 21:10:00	6/7/2021 4:05:00	6/13/2021 19:35:00	9/30/2021 13:05:00
Antecedent Dry Period (hours)	<0.02 in 24 hours	49.67	32.25	88.83	14.67	51	63.75	239.75	66	226.83	21.17	171.17
Total Rainfall (inches)	>0.2	0.58	0.39	0.34	1.48	1.01	0.5	0.22	0.83	0.37	0.86	0.77
Rainfall Duration (hours)		24.33	12.08	8.00	85.25	15.92	13.08	9.50	18.08	20.08	22.92	15.67
Start of Storm Flow		11/12/20 20:05	12/15/20 4:55	12/25/20 14:05	1/30/21 17:55	2/21/21 22:25	3/24/21 19:00	4/7/21 21:00	5/27/21 2:55	6/6/21 9:55	6/12/21 22:05	9/29/21 23:45
End of Storm Flow		11/13/20 10:20	12/15/20 18:15	12/26/20 2:00	2/3/21 6:55	2/22/21 16:30	3/25/21 9:45	4/8/21 1:05	5/28/21 0:20	6/7/21 6:30	6/13/21 20:40	9/30/21 15:10
Total Volume of Storm Runoff (cf)		2,020,043	1,373,136	1,096,218	6,295,735	3,554,911	1,462,675	354,793	1,568,638	1,262,732	2,125,417	1,566,558
Duration of storm runoff (hours)		14.25	13.33	11.92	85.00	18.08	14.75	4.08	21.42	20.58	22.58	15.42
Corrected Duration of storm runoff (hours)		14.25	13.33	11.92	85.00	18.08	14.75	4.08	21.09	20.58	22.58	15.42
Flow Calculation (method)	Area*Velocity											
Flow Range (cfs) Avg		39.38	28.61	25.55	20.57	54.61	27.55	24.14	20.35	17.04	26.14	28.23
Flow Range (cfs) Max		154.29	174.58	66.36	120.66	147.64	66.20	79.61	194.09	138.84	112.08	119.54
Volume Sampled (cf)	>75% of Storm Volume Sampled	1,889,441	898,342	1,071,310	4,446,738	3,034,137	1,142,521	246,790	1,412,797	1,025,006	2,038,922	1,243,794
Sample Type (Flow/Time Composite)												
Start of Event		11/12/2020 21:15:00	12/15/2020 9:25:00	12/25/2020 14:30:00	1/30/2021 20:20:00	2/21/2021 23:14:00	3/24/2021 19:00:00	4/7/2021 23:00:00	5/27/2021 5:25:00	6/6/2021 9:45:00	6/12/2021 22:25:00	9/29/2021 23:25:00
End of Event		11/13/2020 10:03:00	12/15/2020 16:07:00	12/26/2020 1:45:00	2/2/2021 19:13:00	2/22/2021 13:59:00	3/25/2021 6:45:00	4/8/2021 0:36:00	5/28/2021 9:00:00	6/7/2021 4:05:00	6/14/2021 7:03:00	9/30/2021 14:04:00
Sampling Duration (hours)	>2*Time of Concentration up to 24 hours	12.80	6.70	11.25	70.88	14.75	11.75	1.60	27.58	18.33	32.63	14.65
Corrected Sampling Duration (hours)		12.13	6.70	11.25	55.80	14.75	9.57	1.60	18.82	16.98	20.38	7.82
Disable time subtracted		0.67	0.00	0.00	15.08	0.00	2.18	0.00	8.76	1.35	12.25	6.83
Aliquots Composited	≥10	15	36	20	48	44	48	16	36	44	32	26
Conductivity Range (uS/cm)	<2,000	26.64 - 159.9	46.5 - 269.6	121 - 379	37.7 - 197.7	54.8 - 273.0	52.4 - 207.8	56.4 - 243.7	30.5 - 358	30 - 285	28 - 253	24.41 - 133.2
Tidal Window Time (24:00) Stage (feet)		11/12/2020 14:13 12.73 20:55 0.93 11/13/2020 03:11 10.67 08:51 3.72 14:47 12.93 21:34 -0.73	12/15/2020 6:06 13.11 11:24 7.48 16:12 12.20 23:19 -3.52	12/25/2020 2:44 9.36 7:35 6.76 13:16 11.35 20:24 0.86 12/26/2020 3:41 10.27 8:40 7.35 13:48 11.13 20:55 0.02	1/30/2021 17:23 11.11 1/31/2021 00:12 -1.47 7:14 13.07 13:04 5.54 18:15 10.82 2/1/2021 00:52 -0.5 7:46 13.2 13:50 4.6 19:12 10.3 2/2/2021 1:34 0.8 8:19 13.2 14:41 3.5 20:18 9.7	2/21/2021 18:37 1.0 2/22/2021 2:55 10.5 8:23 8.2 12:20 9.5 19:31 0.5	3/24/2021 13:59 9.1 20:44 0.4 3/25/2021 4:17 11.9	4/7/2021 20:57 1.0 4/8/2021 12:14 -3.98 19:39 12.55 5/28/2021 00:59 7.11 05:49 11.74 13:00 -3.96	5/27/2021 05:06 12.21 6/6/2021 02:50 11.44 09:50 0.62 16:39 9.60 21:44 5.89	6/5/2021 20:46 5.06 6/6/2021 02:50 11.44 09:50 0.62 16:39 9.60 21:44 5.89	6/12/2021 20:29 11.98 6/13/2021 02:03 7.61 06:22 9.69 13:33 -1.83 20:45 12.05	9/29/2021 23:26 8.10 9/30/2021 06:23 1.38 14:29 10.54 20:54 6.88
Percent coverage		93.53	65.42	97.73	70.63	85.35	78.11	69.56	90.07	81.17	95.93	79.40

Table C-4  
Storm Field Summary Report for OF237B WY2021

Storm Flow Criteria	Storm 1	Storm 2	Storm 3 (Full)	Storm 3 (Partial)	Storm 4	Storm 5 (Full)	Storm 5 (Partial)	Storm 6	Storm 7	Storm 8	Storm 9	Storm 10	Storm 11	Rejected Storm 12	Storm 13
Start of Rainfall	10/9/2020 20:45:00	11/12/2020 18:30:00	12/8/2020 4:00:00	12/8/2020 4:00:00	12/29/2020 18:05:00	1/30/2021 16:55:00	1/30/2021 16:55:00	2/21/2021 21:45:00	3/4/2021 14:05:00	3/24/2021 18:20:00	4/7/2021 14:15:00	5/27/2021 3:05:00	6/12/2021 20:40:00	9/19/2021	9/26/2021 17:10:00
End of Rainfall	10/10/2020 8:15:00	11/13/2020 18:50:00	12/9/2020 2:20:00	12/8/2020 17:40:00	12/31/2020 4:10:00	2/3/2021 6:10:00	2/1/2021 12:05:00	2/22/2021 13:40:00	3/4/2021 21:10:00	3/25/2021 7:25:00	4/7/2021 23:45:00	5/27/2021 21:10:00	6/13/2021 19:35:00		9/27/2021 17:30:00
Antecedent Dry Period (hours)	<0.02 in 24 hours	130.25	49.67	188.42	188.42	56.83	14.67	14.67	51	176.33	63.75	239.75	66	21.17	171.17
Total Rainfall (inches)	>0.2	1.73	0.58	0.66	0.31	1.09	1.48	0.53	1.01	0.2	0.5	0.22	0.83	0.86	0.77
Rainfall Duration (hours)		11.50	24.33	22.33	13.67	34.08	85.25	43.17	15.92	7.08	13.08	9.50	18.08	22.92	24.33
Start of Storm Flow	10/9/20 20:55	11/12/20 19:30	12/8/20 4:45	12/8/20 4:45	12/29/20 18:25	1/30/21 17:45	1/30/21 17:45	2/21/21 22:25	3/4/21 14:10	3/24/21 18:55	4/7/21 14:20	5/27/21 3:40	6/12/21 22:20		9/26/21 17:25
End of Storm Flow	10/10/20 12:35	11/13/20 13:45	12/9/20 4:30	12/8/20 17:40	12/31/20 10:15	2/3/21 7:25	2/1/21 12:20	2/22/21 23:05	3/4/21 23:10	3/25/21 13:20	4/8/21 4:50	5/27/21 21:10	6/13/21 21:00		9/27/21 23:35
Total Volume of Storm Runoff (cf)		1,908,455	1,727,040	2,090,336	1,182,552	3,215,305	5,145,215	2,064,771	2,891,307	425,358	1,403,150	669,032	919,484	1,666,986	1,809,007
Duration of storm runoff (hours)		15.67	18.25	23.75	12.92	39.83	85.67	42.58	24.67	9.00	18.42	14.50	17.50	22.67	30.17
Corrected Duration of storm runoff (hours)		15.67	18.25	23.75	12.92	39.83	85.67	42.58	24.67	9.00	18.42	14.50	17.50	22.67	30.17
Flow Calculation (method)	Area*Velocity														
Flow Range (cfs) Avg		33.84	26.29	24.45	25.43	22.42	16.68	13.47	32.56	13.13	21.16	12.82	14.59	20.43	16.66
Flow Range (cfs) Max		109.80	87.79	69.34	69.34	50.10	55.91	30.86	98.32	18.00	38.13	37.13	55.08	98.50	180.54
Volume Sampled (cf)	>75% of Storm Volume Sampled	1,818,760	1,625,813	1,015,822	1,015,822	3,179,562	1,810,417	1,810,417	2,894,268	359,411	1,071,732	565,484	778,694	1,303,906	1,512,764
Sample Type (Flow/Time Composite)															
Start of Event	10/9/2020 21:00:00	11/12/2020 11:12:00	12/8/2020 4:30:00	12/8/2020 4:30:00	12/29/2020 18:15:00	1/30/2021 19:05:00	1/30/2021 19:05:00	2/21/2021 22:05:00	3/4/2021 14:20:00	3/24/2021 18:35:00	4/7/2021 14:20:00	5/27/2021 3:35:00	6/12/2021 22:15:00		9/26/2021 17:15:00
End of Event	10/10/2020 10:28:00	11/13/2020 12:20:00	12/8/2020 17:37:00	12/8/2020 17:37:00	12/31/2020 9:22:00	2/1/2021 12:21:00	2/1/2021 12:21:00	2/22/2021 22:50:00	3/4/2021 22:06:00	3/25/2021 6:37:00	4/8/2021 7:08:00	5/27/2021 20:02:00	6/13/2021 19:14:00		9/27/2021 23:32:00
Sampling Duration (hours)	>2*Time of Concentration up to 24 hours	13.47	16.67	13.12	13.12	39.12	41.27	41.27	24.75	7.77	12.03	16.80	16.45	20.98	30.28
Corrected Sampling Duration (hours)		13.47	16.08	13.12	13.12	39.12	34.93	34.93	24.75	7.18	12.03	11.33	13.12	12.65	20.37
Disable time subtracted		0.00	0.59	0.00	0.00	0.00	6.34	6.34	0.00	0.59	0.00	5.47	3.33	8.33	9.91
Aliquots Composited	≥10	20	14	48	48	30	48	48	48	16	48	28	15	28	12
Conductivity Range (uS/cm)	<2,000	44.8 - 126.1	70.4 - 222.5	55.3 - 236	55.3 - 236	81.6 - 254.3	107 - 231	107 - 231	57.1 - 225.4	183.3 - 268.4	90.4 - 164.2	117.4 - 275.5	109.2 - 161.1	47 - 165	115.1 - 204.6
Tidal Window Time (24:00) Stage (feet)	10/9/2020 22:04 8.57 10/10/2020 05:19 0.82 13:07 10.64 19:25 7.28 23:28 8.37	11/12/2020 14:13 12.73 11/13/2020 08:51 3.72 03:11 10.67 08:51 3.72 14:47 12.93 21:34 -0.73	12/7/2020 21:45 8.29 12/8/2020 4:09 1.76 11:21 12.59 18:07 4.58 23:21 8.22 12/9/2020 5:12 2.99	12/7/2020 21:45 8.29 12/8/2020 4:09 1.76 11:21 12.59 18:07 4.58 23:21 8.22 12/9/2020 5:12 2.99	12/29/2021 15:25 10.8 22:32 -1.6 12/30/2020 6:07 12.43 11:33 7.96 1/30/2021 6:43 12.91 12/31/2020 6:39 12.67 12:09 7.82	1/29/2021 00:11 -1.4 7:14 13.1 13:04 5.6 18:15 10.8 1/30/2021 11:17 9.6 1/31/2021 8:23 8.2 00:12 -1.47 7:14 13.07 13:04 5.54 18:15 10.82 2/1/2021 00:52 -0.5 7:46 13.2 13:50 4.6	1/29/2021 00:11 -1.4 7:14 13.1 13:04 5.6 18:15 10.8 1/30/2021 11:17 9.6 1/31/2021 8:23 8.2 00:12 -1.47 7:14 13.07 13:04 5.54 18:15 10.82 2/1/2021 00:52 -0.5 7:46 13.2 13:50 4.6	2/20/2021 17:40 1.5 2/21/2021 21:41 10.0 3/5/2021 1:53 9.8 2:58 6.1 4:12 11.4 4:17 11.9 10:22 4.4	3/4/2021 14:59 0.2 2/21/2021 21:41 10.0 3/5/2021 1:53 9.8 2:58 6.1 4:12 11.4 4:17 11.9 10:22 4.4	3/24/2021 13:59 9.1 20:44 0.4 3/25/2021 19:39 12.55 4/8/2021 05:28/2021 00:59 7.11 5/28/2021 13:00 -3.96	4/7/2021 14:31 9.2 20:57 1.0 4/8/2021 19:39 12.55 5/28/2021 00:59 7.11 10:22 4.4	5/27/2021 05:06 12.21 12:14 -3.98 6/13/2021 02:03 7.61 06:22 9.69 13:33 -1.83 20:45 12.05 6/14/2021 02:47 7.45 07:06 9.43 14:15 -1.49 20:10 12.10	6/12/2021 20:29 11.98 6/13/2021 02:03 7.61 06:22 9.69 13:33 -1.83 20:45 12.05 6/14/2021 02:47 7.45 07:06 9.43 14:15 -1.49 20:10 12.10		9/26/2021 03:18 6.39 08:39 9.71 9/27/2021 3:32 0.72 10:47 10.08 16:24 7.18 21:18 9.05 9/28/2021 04:21 0.97
Percent coverage		95.30	94.14	48.60	85.90	98.89	35.19	87.68	100.10	84.50	76.38	84.52	84.69	78.22	83.62

Table C-1 to C-7\_WY2021

Table C-5  
Storm Field Summary Report for OF243 WY2021

	Storm Flow Criteria	Storm 1	Storm 2	Storm 3	Storm 4	Storm 5 (Full)	Storm 5 (Partial)	Storm 6	Storm 7	Storm 8	Storm 9	
Start of Rainfall		10/9/2020	11/3/2020	11/12/2020	12/8/2020	1/11/2021	1/11/2021	1/30/2021	3/24/2021	6/6/2021	9/17/2021	
		20:45:00	6:40:00	18:30:00	4:00:00	8:20:00	8:20:00	16:55:00	18:20:00	8:00:00	21:10:00	
End of Rainfall		10/10/2020	11/3/2020	11/13/2020	12/9/2020	1/13/2021	1/11/2021	2/3/2021	3/25/2021	6/7/2021	9/18/2021	
		8:15:00	22:05:00	18:50:00	2:20:00	0:15:00	23:05:00	6:10:00	7:25:00	4:05:00	4:55:00	
Antecedent Dry Period (hours)	<0.02 in 24 hours	130.25	97.58	49.67	188.42	25.92	25.92	14.67	63.75	226.83	9.08	
Total Rainfall (inches)	>0.2	1.73	0.77	0.58	0.66	3.22	1.07	1.48	0.5	0.37	0.75	
Rainfall Duration (hours)		11.50	15.42	24.33	22.33	39.92	14.75	85.25	13.08	20.08	7.75	
Start of Storm Flow		10/9/20 22:45	11/3/20 11:10	11/12/20 20:40	12/8/20 5:10	1/11/21 16:55	1/11/21 16:55	1/30/21 21:35	3/24/21 18:00	6/6/21 21:30	9/17/21 20:35	
End of Storm Flow		10/10/20 7:45	11/3/20 17:20	11/13/20 11:30	12/9/20 2:15	1/13/21 1:35	1/11/21 23:05	2/2/21 15:55	3/25/21 11:25	6/7/21 13:20	9/18/21 12:55	
Total Volume of Storm Runoff (cf)		75,223	16,649	8,350	32,189	216,535	53,931	43,421	1,036	2,976	27,196	
Duration of storm runoff (hours)		9.00	6.17	14.83	21.08	32.67	6.17	66.33	17.42	15.83	16.33	
Corrected Duration of storm runoff (hours)		9.00	2.42	1.83	7.58	19.67	6.17	17.25	0.92	1.83	7.50	
Flow Calculation (method)	Area*Velocity											
Flow Range (cfs) Avg		2.32	0.75	0.16	0.42	1.84	2.43	0.18	0.02	0.05	0.46	
Flow Range (cfs) Max		3.53	3.60	2.90	2.54	6.08	3.32	2.60	0.48	1.77	3.04	
Volume Sampled (cf)	>75% of Storm Volume Sampled	53,060	5,272	7,277	28,046	53,931	53,931	17,991	831	2,494	21,306	
Sample Type (Flow/Time Composite)												
Start of Event		10/10/2020	11/3/2020	11/13/2020	12/8/2020	1/11/2021	1/11/2021	2/1/2021	3/23/2021	6/6/2021	9/17/2021	
		0:35:00	12:40:00	0:10:00	5:45:00	13:15:00	13:15:00	3:10:00	21:55:00	22:05:00	9:45:00	
End of Event		10/10/2020	11/3/2020	11/13/2020	12/9/2020	1/11/2021	1/11/2021	2/3/2021	3/25/2021	6/7/2021	9/18/2021	
		6:35:00	17:20:00	11:30:00	0:10:00	23:05:00	23:05:00	1:20:00	10:00:00	12:26:00	12:35:00	
Sampling Duration (hours)	>2*Time of Concentration up to 24 hours	6.00	4.67	11.33	18.42	9.83	9.83	46.17	36.08	14.35	26.83	
Corrected Sampling Duration (hours)		6.00	4.67	5.67	17.85	8.00	8.00	8.02	5.85	8.02	16.03	
Disable time subtracted		0.00	0.00	5.66	0.57	1.83	1.83	38.15	30.23	6.33	10.80	
Aliquots Compositied	≥10	36	28	34	40	48	48	48	35	36	48	
Conductivity Range (uS/cm)	<2,000	2134 - 5070	6030 - 9420	2084 - 4910	4980 - 12200	1445 - 6400	1445 - 6400	4130 - 6630	4430 - 7160	5330 - 9000	1076 - 7730	
Tidal Window Time (24:00) Stage (feet)		10/9/2020	11/3/2020	11/12/2020	12/7/2020	1/10/2021	1/10/2021	2/1/2021	3/23/2021	6/5/2021	9/17/2021	
		22:04 8.57	6:58 11.62	14:13 12.73	21:45 8.29	8:27 8.1	8:27 8.1	00:52 -0.5	19:46 0.8	20:46 5.06	08:46 -0.54	
		10/10/2020	12:33 6.79	20:55 0.93	12/8/2020	13:28 12.3	13:28 12.3	7:46 13.2	3/24/2021	6/6/2021	16:25 11.69	
		05:19 0.82	17:30 10.28	11/13/2020	4:09 1.76	20:49 -2.3	20:49 -2.3	13:50 4.6	3:38 11.0	02:50 11.44	22:07 5.74	
		13:07 10.64	11/4/2020	03:11 10.67	11:21 12.59	1/11/2021	1/11/2021	19:12 10.3	9:37 7.0	09:50 0.62	9/18/2021	
		19:25 7.28	00:28 -0.94	08:51 3.72	18:07 4.58	14:19 12.11	14:19 12.11	2/2/2021	13:59 9.1	16:39 9.60	3:02 10.12	
		23:28 8.37		14:47 12.93	23:21 8.22	21:35 -2.85	21:35 -2.85	1:34 0.8	20:44 0.4	21:44 5.89	09:42 -0.48	
				21:34 -0.73	12/9/2020	5:12 2.99	5:22 12.79	5:22 12.79	8:19 13.2	3/25/2021	6/7/2021	17:00 11.90
									14:41 3.5	4:12 11.4	03:17 11.17	22:49 4.79
									20:18 9.7	10:07 6.2	10:19 -0.25	
								2/3/2021		17:29 10.32		
								2:19 2.5				
Percent coverage		70.54	31.66	87.14	87.13	24.91	100.00	41.43	80.21	83.82	78.34	

Table C-6  
Storm Field Summary Report for OF245 WY2021

	Storm Flow Criteria	Storm 1	Storm 2	Storm 3	Storm 4	Storm 5	Storm 6 (Full)	Storm 6 (Partial)	Storm 7 (Full)	Storm 7 (Partial)	Storm 8	Storm 9	Storm 10	Storm 11	Storm 12
Start of Rainfall		10/9/2020 20:45:00	11/3/2020 6:40:00	11/12/2020 18:30:00	12/8/2020 4:00:00	12/25/2020 13:35:00	1/11/2021 8:20:00	1/11/2021 8:20:00	1/30/2021 16:55:00	1/30/2021 16:55:00	2/21/2021 21:45:00	3/24/2021 18:20:00	5/27/2021 3:05:00	6/12/2021 20:40:00	9/17/2021 21:10:00
End of Rainfall		10/10/2020 8:15:00	11/3/2020 22:05:00	11/13/2020 18:50:00	12/9/2020 2:20:00	12/25/2020 21:35:00	1/13/2021 0:15:00	1/11/2021 21:10:00	2/3/2021 6:10:00	2/2/2021 1:15:00	2/22/2021 13:40:00	3/25/2021 7:25:00	5/27/2021 21:10:00	6/13/2021 19:35:00	9/18/2021 4:55:00
Antecedent Dry Period (hours)	<0.02 in 24 hours	130.25	97.58	49.67	188.42	88.83	25.92	25.92	14.67	14.67	51	63.75	66	21.17	9.08
Total Rainfall (inches)	>0.2	1.73	0.77	0.58	0.66	0.34	3.22	1.04	1.48	1.05	1.01	0.5	0.83	0.86	1.14
Rainfall Duration (hours)		11.50	15.42	24.33	22.33	8.00	39.92	12.83	85.25	56.33	15.92	13.08	18.08	22.92	7.75
Start of Storm Flow		10/9/20 22:15	11/3/20 9:10	11/12/20 19:25	12/8/20 5:20	12/25/20 15:35	1/11/21 10:05	1/11/21 10:05	1/30/21 20:05	1/30/21 20:05	2/21/21 23:15	3/24/21 19:50	5/27/21 6:05	6/13/21 0:10	9/17/21 22:25
End of Storm Flow		10/10/20 9:10	11/3/20 22:10	11/13/20 9:05	12/9/20 7:40	12/26/20 0:05	1/13/21 2:20	1/11/21 21:15	2/3/21 6:30	2/2/21 1:25	2/22/21 14:15	3/25/21 10:00	5/27/21 23:55	6/13/21 19:40	9/18/21 23:10
Total Volume of Storm Runoff (cf)		123,627	56,731	45,180	30,952	22,332	372,873	86,516	71,510	53,768	72,495	26,266	43,653	49,743	81,521
Duration of storm runoff (hours)		10.92	13.00	13.67	26.33	8.50	40.25	11.17	82.42	53.33	15.00	14.17	17.83	19.50	24.75
Corrected Duration of storm runoff (hours)		9.22	3.83	6.84	8.91	6.67	32.58	9.00	24.75	26.16	8.17	8.17	8.83	6.25	9.58
Flow Calculation (method)	Area*Velocity														
Flow Range (cfs) Avg		3.15	1.21	0.92	0.33	0.73	2.57	2.15	0.24	0.28	1.34	0.52	0.68	0.71	0.91
Flow Range (cfs) Max		8.31	7.23	6.94	3.30	2.67	7.23	5.02	6.41	6.41	6.57	2.36	6.52	5.92	10.37
Volume Sampled (cf)	>75% of Storm Volume Sampled	98,548	53,258	42,401	21,632	17,400	80,285	80,285	43,127	43,127	54,835	16,946	33,780	44,305	77,954
Sample Type (Flow/Time Composite)															
Start of Event		10/9/2020 23:05:00	11/3/2020 9:10:00	11/12/2020 21:05:00	12/8/2020 13:45:00	12/25/2020 15:35:00	1/11/2021 10:05:00	1/11/2021 10:05:00	1/30/2021 20:05:00	1/30/2021 20:05:00	2/21/2021 23:40:00	3/24/2021 20:30:00	5/27/2021 6:50:00	6/13/2021 0:10:00	9/17/2021 11:50:00
End of Event		10/10/2020 7:10:00	11/3/2020 21:40:00	11/13/2020 8:20:00	12/9/2020 3:50:00	12/25/2020 22:10:00	1/11/2021 21:15:00	1/11/2021 21:15:00	2/2/2021 1:25:00	2/2/2021 1:25:00	2/22/2021 13:45:00	3/25/2021 9:10:00	5/28/2021 9:00:00	6/14/2021 1:10:00	9/18/2021 22:30:00
Sampling Duration (hours)	>2*Time of Concentration up to 24 hours	8.08	12.50	11.25	14.08	6.58	11.17	11.17	53.33	53.33	14.08	12.67	26.17	25.00	34.67
Corrected Sampling Duration (hours)		7.38	4.15	5.00	3.92	4.03	8.10	8.10	9.60	9.60	4.67	3.80	3.93	5.35	7.40
Disable time subtracted		0.70	8.35	6.25	10.16	2.55	3.07	3.07	43.73	43.73	9.41	8.87	22.24	19.65	27.27
Aliquots Compositied	≥10	44	24	30	24	24	44	44	48	48	28	22	23	31	22
Conductivity Range (uS/cm)	<2,000	28.82 - 128.0	36.9 - 319	29.8 - 710	88.2 - 1410	219.5 - 636	21.56 - 194.0	21.56 - 194.0	84.5 - 1630	84.5 - 1630	30.8 - 57.2	58.8 - 227.5	57.7 - 736	33 - 662	67.2 - 11020
Tidal Window		10/9/2020 22:04 8.57	11/3/2020 6:58 11.62	11/12/2020 14:13 12.73	12/7/2020 21:45 8.29	12/25/2020 2:44 9.36	1/11/2021 9:36 8.2	1/11/2021 9:36 8.2	1/30/2021 17:23 11.1	1/30/2021 17:23 11.1	2/20/2021 17:40 1.5	3/24/2021 13:59 9.1	5/27/2021 12:14 -3.98	6/12/2021 20:29 11.98	9/17/2021 08:46 -0.54
Time (24:00) Stage (feet)		10/10/2020 05:19 0.82	12:33 6.79	20:55 0.93	12/8/2020 7:35 6.76	14:19 12.11	14:19 12.11	0:00	2/21/2021 0:00	2/21/2021 0:00	1/31/2021 0:00	2/21/2021 20:44 0.4	6/13/2021 12:14 -3.98	16:25 11.69	16:25 11.69
		10/10/2020 19:25 7.28	11/3/2020 00:28 -.094	11/13/2020 03:11 10.67	12/8/2020 18:07 4.58	12/26/2020 20:24 0.86	12/26/2020 18:15 10.82	12/26/2020 18:15 10.82	1/11/2021 7:14 13.07	1/11/2021 7:14 13.07	1/30/2021 13:04 5.54	3/25/2021 4:12 11.4	5/28/2021 10:07 6.2	6/14/2021 00:59 7.11	9/18/2021 3:02 10.12
		10/10/2020 23:28 8.37		11/13/2020 14:47 12.93	12/9/2020 21:34 -0.73	12/9/2020 5:12 2.99	12/9/2020 3:41 10.27	12/9/2020 8:40 7.35	2/2/2021 18:15 10.82	2/2/2021 18:15 10.82	2/22/2021 13:00 -3.96	3/25/2021 05:49 11.74	5/28/2021 13:00 -3.96	6/14/2021 20:45 12.05	9/18/2021 09:42 -0.48
									2/1/2021 00:52 -0.5	2/1/2021 00:52 -0.5	2/22/2021 2:55 10.5	6/14/2021 13:00 -3.96	6/14/2021 02:47 7.45	17:00 11.90	22:49 4.79
									7:46 13.2	7:46 13.2	8:23 8.2			07:06 9.43	
									13:50 4.6	13:50 4.6	12:20 9.5			14:15 -1.49	
									19:12 10.3	19:12 10.3	19:31 0.5			20:10 12.10	
									2/2/2021 1:34 0.8	2/2/2021 1:34 0.8					
Percent coverage		79.71	93.88	93.85	69.89	77.92	21.53	92.80	60.31	80.21	75.64	64.52	77.38	89.07	95.62

Table C-1 to C-7\_WY2021

Table C-7  
Storm Field Summary Report for OF254 WY2021

	Storm Flow Criteria	Storm 1	Storm 2	Storm 3	Storm 4 (Full)	Storm 4 (Partial)	Storm 5	Storm 6	Storm 7	Storm 8	Storm 9	Storm 10
Start of Rainfall		11/3/2020	11/12/2020	12/8/2020	1/11/2021	1/11/2021	3/4/2021	3/28/2021	4/7/2021	4/24/2021	5/27/2021	9/17/2021
		6:40:00	18:30:00	4:00:00	8:20:00	8:20:00	14:05:00	10:20:00	14:15:00	1:20:00	3:05:00	21:10:00
End of Rainfall		11/3/2020	11/13/2020	12/9/2020	1/13/2021	1/11/2021	3/4/2021	3/28/2021	4/7/2021	4/25/2021	5/27/2021	9/18/2021
		22:05:00	18:50:00	2:20:00	0:15:00	14:35:00	21:10:00	14:30:00	23:45:00	1:15:00	21:10:00	4:55:00
Antecedent Dry Period (hours)	<0.02 in 24 hours	97.58	49.67	188.42	25.92	25.92	176.33	74.92	239.75	333.75	66	9.08
Total Rainfall (inches)	>0.2	0.77	0.58	0.66	3.22	0.6	0.2	0.39	0.22	0.45	0.83	0.75
Rainfall Duration (hours)		15.42	24.33	22.33	39.92	6.25	7.08	4.17	9.50	23.92	18.08	7.75
Start of Storm Flow		11/3/20 9:30	11/13/20 2:20	12/8/20 5:25	1/11/21 9:35	1/11/21 9:35	3/4/21 14:05	3/28/21 11:00	4/7/21 18:20	4/24/21 4:20	5/27/21 6:00	9/17/21 21:25
End of Storm Flow		11/3/20 22:10	11/13/20 10:35	12/9/20 3:55	1/13/21 2:40	1/11/21 14:40	3/5/21 4:30	3/28/21 21:05	4/7/21 23:50	4/25/21 1:20	5/27/21 23:20	9/18/21 6:25
Total Volume of Storm Runoff (cf)		81,331	115,922	129,744	773,089	98,240	57,212	62,526	8,045	54,877	82,857	13,898
Duration of storm runoff (hours)		12.67	8.25	22.50	41.08	5.08	14.42	10.08	5.50	21.00	17.33	9.00
Corrected Duration of storm runoff (hours)		4.09	7.83	14.58	33.91	4.41	10.34	7.58	5.08	14.75	11.16	0.42
Flow Calculation (method)	Area*Velocity											
Flow Range (cfs) Avg		1.78	3.90	1.60	5.23	5.37	1.10	1.72	0.41	0.73	1.33	0.43
Flow Range (cfs) Max		12.66	13.42	5.70	16.63	9.13	7.52	8.21	3.54	3.30	10.58	14.57
Volume Sampled (cf)	>75% of Storm Volume Sampled	69,432	96,212	67,482	86,413	86,413	30,383	43,984	6,254	5,068	19,351	12,835
Sample Type (Flow/Time Composite)												
Start of Event		11/3/2020	11/13/2020	12/8/2020	1/11/2021	1/11/2021	3/4/2021	3/28/2021	4/7/2021	4/24/2021	5/27/2021	9/17/2021
		9:25:00	2:45:00	16:00:00	10:00:00	10:00:00	15:30:00	11:35:00	19:05:00	8:40:00	18:15:00	9:20:00
End of Event		11/3/2020	11/13/2020	12/9/2020	1/11/2021	1/11/2021	3/5/2021	3/28/2021	4/7/2021	4/24/2021	5/27/2021	9/18/2021
		12:05:00	8:00:00	1:45:00	14:40:00	14:40:00	2:50:00	20:45:00	23:45:00	23:06:00	23:25:00	6:25:00
Sampling Duration (hours)	>2*Time of Concentration up to 24 hours	2.67	5.25	9.75	4.67	4.67	11.33	9.17	4.67	14.43	5.17	21.08
Corrected Sampling Duration (hours)		2.67	5.25	6.42	4.67	4.67	4.60	5.08	2.50	4.68	2.68	10.67
Disable time subtracted		0.00	0.00	3.33	0.00	0.00	6.73	4.09	2.17	9.75	2.49	10.41
Aliquots Composited	≥10	16	28	40	28	28	28	28	15	28	16	32
Conductivity Range (uS/cm)	<2,000	5210 - 8750	2320 - 15560	6310 - 12680	3570 - 7960	3570 - 7960	11960 - 15980	1215 - 9730	2445 - 11120	5110 - 11340	5330 - 19200	4110 - 20920
Tidal Window Time (24:00) Stage (feet)		11/3/2020	11/12/2020	12/7/2020	1/11/2021	1/11/2021	3/4/2021	3/28/2021	4/7/2021	4/24/2021	5/27/2021	9/17/2021
		6:58 11.62	14:13 12.73	21:45 8.29	9:36 8.2	9:36 8.2	14:59 0.2	11:44 2.6	14:31 9.2	03:40 11.93	05:06 12.21	08:46 -0.54
		12:33 6.79	20:55 0.93	12/8/2020	14:19 12.11	14:19 12.11	21:41 10.0	17:34 11.4	20:57 1.0	10:02 3.11	12:14 -3.98	16:25 11.69
		17:30 10.28	11/13/2020	4:09 1.76	21:35 -2.85	21:35 -2.85	3/5/2021	23:48 1.0	4/8/2021	15:46 10.00	19:39 12.55	22:07 5.74
		11/4/2020	03:11 10.67	11:21 12.59			2:58 6.1		4:17 11.9	21:49 1.82	5/28/2021	9/18/2021
		00:28 -.094	08:51 3.72	18:07 4.58					10:22 4.4	4/25/2021	24:00 7.11	3:02 10.12
			14:47 12.93	23:21 8.22					15:36 9.6	04:10 12.23		09:42 -0.48
			21:34 -0.73	12/9/2020	5:12 2.99				21:50 1.3			17:00 11.90
Percent coverage		85.37	83.00	52.01	11.18	87.96	53.11	70.34	77.74	9.23	23.35	92.35

**Table C-8  
Field and Hydrologic Data Summary for Outfall 230 Baseflow  
Water Year 2019**

	<b>Baseflow Criteria<sup>1</sup></b>	<b>Baseflow 1</b>	<b>Baseflow 2</b>
Start of Event		6/20/2019 8:15	8/13/2019 21:45
End of Event		6/21/2019 3:07	8/14/2019 13:45
Sampling Duration (hours)	>4	18.63	14.40
Duration of Baseflow		10.4	6.90
Total Rainfall (inches)	<0.02	0	0
Last rainfall of 0.01		6/20/2019 1:50	8/10/2019 8:05
Antecedent Dry Period (hours)	<0.02 in 24 hours	344 (0.03", 6/20/19 00:35)	85.4
Flow Calculation (method)		Manning	Manning
Flow Range (cfs)	Avg/Max	0.72/1.13	2.09/2.49
Volume (cf)		29,054	65,587
Sampled Volume (cf)		46,323	57,534
Sample Type (Flow/Time Composite)		Flow	Flow
Sample Start		6/20/2019 8:29	8/13/2019 21:30
Sample Stop		6/21/2019 3:07	8/14/2019 11:54
Aliquots Compositing	>10	40	48
Conductivity Range (uhmos)	<2,000	245 - 765	211 - 370
Tidal Window		Yes	Yes
Date		6/20/2019	8/13/2019
Time (24:00) Stage (feet)		02:13 6.85	03:35 10.39
		06:44 9.89	10:29 -1.06
		13:36 -1.54	18:02 11.67
		21:10 12.15	23:33 6.09
		6/21/2019	8/14/2019
		03:03 6.66	04:20 10.37
		07:31 9.35	11:07 -0.98
		14:16 -0.82	18:31 11.68
		21:47 12.03	



**Table C-9  
Field and Hydrologic Data Summary for Outfall 235 Baseflow  
Water Year 2019**

	<b>Baseflow Criteria<sup>1</sup></b>	<b>Baseflow 1</b>	<b>Baseflow 2</b>	<b>Baseflow 3</b>
Start of Event		6/20/2019 11:15	8/13/2019 7:45	10/1/2019 21:00
End of Event		6/21/2019 9:30	8/14/2019 15:00	10/2/2019 10:33
Sampling Duration (hours)	>4	21.92	24.75	26.02
Duration of Baseflow		16.17	21.69	17.26
Total Rainfall (inches)	<0.02	0	0	0
Last rainfall of .01	<0.02	6/20/2019 1:50	8/10/2019 8:05	9/28/2019 6:00
Antecedent Dry Period (hours)	<0.02 in 24 hours	344 (0.03", 6/20/19 00:35)	71.4	74.5
Flow Calculation (method)		Manning	Manning	Manning
Flow Range (cfs)	Avg/Max	1.26/1.46	1.17/1.18	1.09/1.47
Volume (cf)		57,590	48,030	67,994
Sampled Volume (cf)		49,960	48,399	68,019
Sample Type (Flow/Time Composite)		Flow	Flow	Flow
Sample Start		6/20/2019 6:50	8/13/2019 7:31	10/1/2019 8:32
Sample Stop		6/21/2019 4:45	8/14/2019 8:16	10/2/2019 10:33
Aliquots Composited	>10	48	48	44
Conductivity Range (uhmos)	<2,000	318 - 389	307 - 337	378 - 904
Tidal Window		Yes	Yes	Yes
Date		6/20/2019	8/13/2019	10/1/2019
Time (24:00) Stage (feet)		02:13 6.85	03:35 10.39	01:11 -.024
		06:44 9.89	10:29 -1.06	07:37 11.61
		13:36 -1.54	18:02 11.67	13:29 3.25
		21:10 12.15	23:33 6.09	19:20 12.15
		6/21/2019	8/14/2019	10/2/2019
		03:03 6.66	04:20 10.37	01:56 -0.72
		07:31 9.35	11:07 -0.98	08:38 11.39
		14:16 -0.82	18:31 11.68	14:21 4.56
		21:47 12.03		20:00 11.56

<sup>1</sup>Criteria are considered goals.

**Table C-10**  
**Field and Hydrologic Data Summary for Outfall 237A New Baseflow**  
**Water Year 2019**

	<b>Baseflow Criteria<sup>1</sup></b>	<b>Baseflow 1</b>	<b>Baseflow 2</b>	<b>Baseflow 3</b>	<b>Baseflow 4</b>
Start of Event		5/8/2019 7:00	6/20/2019 5:00	7/31/2019 4:14	10/1/2019 19:51
End of Event		5/9/2019 7:00	6/21/2019 5:00	8/1/2019 4:14	10/2/2019 19:51
Sampling Duration (hours)	>4	24.90	28.95	21.65	24.12
Duration of Baseflow		21.87	24.95	17.90	21.62
Total Rainfall (inches)	<0.02	0	0	0	0
Last rainfall of 0.01		5/7/2019 6:10	6/20/2019 1:50	7/17/2019 19:45	9/28/2019 6:00
Antecedent Dry Period (hours)	<0.02 in 24 hours	24.8	344 (0.03", 6/20/19 00:35)	320.5	87.8
Flow Calculation (method)		Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity
Flow Range (cfs)	Avg/Max	5.19 / 5.40	3.26 / 3.59	5.41 / 5.97	5.73 / 7.50
Volume (cf)		392,598	240,707	363,395	399,772
Sampled Volume (cf)		228,903	148,968	353,203	437,427
Sample Type (Flow/Time Composite)		Flow	Flow	Flow	Flow
Sample Start		5/8/2019 7:00	6/20/2019 5:00	7/31/2019 4:14	10/1/2019 21:51
Sample Stop		5/9/2019 7:54	6/21/2019 9:57	8/1/2019 1:53	10/2/2019 21:58
Aliquots Composited	>10	43	29	20	44
Conductivity Range (uhmos)	<2,000	335 - 345	328 - 334	327 - 341	330 - 333
Tidal Window		Yes	Yes	Yes	Yes
Date		5/8/2019	6/20/2019	7/31/2019	10/1/2019
Time (24:00) Stage (feet)		02:02 6.68	02:13 6.85	03:51 11.28	01:11 -.024
		07:01 10.62	06:44 9.89	10:58 -2.91	07:37 11.61
		14:07 -2.08	13:36 -1.54	18:19 12.10	13:29 3.25
		21:21 11.88	21:10 12.15	23:45 6.69	19:20 12.15
		8/9/2019	6/21/2019	8/1/2019	10/2/2019
		02:57 7.06	03:03 6.66	04:42 11.45	01:56 -0.72
		07:45 10.19	07:31 9.35	11:45 -3.11	08:38 11.39
		14:56 -1.78	14:16 -0.82	18:58 12.45	14:21 4.56
		22:18 11.81	21:47 12.03		20:00 11.56

<sup>1</sup>Criteria are considered goals.

**Table C-11  
Field and Hydrologic Data Summary for Outfall 237B Baseflow  
Water Year 2019**

	<b>Baseflow Criteria<sup>1</sup></b>	<b>Baseflow 1</b>	<b>Baseflow 2</b>	<b>Baseflow 3</b>
Start of Event		6/20/2019 7:00	7/31/2019 6:20	10/1/2019 12:04
End of Event		6/21/2019 7:00	8/1/2019 6:22	10/2/2019 13:41
Sampling Duration (hours)	>4	21.40	24.03	25.62
Duration of Baseflow		24.00	24.00	24.00
Total Rainfall (inches)	<0.02	0	0	0
Last rainfall of .01		6/20/2019 1:50	7/17/2019 20:10	9/28/2019 6:00
Antecedent Dry Period (hours)	<0.02 in 24 hours	344 (0.03", 6/20/19 00:35)	322.2	78.1
Flow Calculation (method)		Area*Velocity	Area*Velocity	Area*Velocity
Flow Range (cfs)	Avg/Max	8.38 / 8.71	8.53 / 8.95	6.88 / 6.99
Volume (cf)		726,906	739,817	887,602
Sampled Volume (cf)		646,453	739,817	887,602
Sample Type (Flow/Time Composite)		Flow	Flow	Flow
Sample Start		6/20/2019 7:00	7/31/2019 6:20	10/1/2019 12:04
Sample Stop		6/21/2019 4:24	8/1/2019 6:22	10/2/2019 13:41
Aliquots Composited	>10	48	48	48
Conductivity Range (uhmos)	<2,000	273 - 280	279 - 280	281 - 282
Tidal Window		Yes	Yes	Yes
Date		6/20/2019	7/31/2019	10/1/2019
Time (24:00) Stage (feet)		02:13 6.85	03:51 11.28	01:11 -.024
		06:44 9.89	10:58 -2.91	07:37 11.61
		13:36 -1.54	18:19 12.10	13:29 3.25
		21:10 12.15	23:45 6.69	19:20 12.15
		6/21/2019	04:42 11.45	10/2/2019
		03:03 6.66	11:45 -3.11	01:56 -0.72
		07:31 9.35	18:58 12.45	08:38 11.39
		14:16 -0.82		14:21 4.56
		21:47 12.03		20:00 11.56

<sup>1</sup>Criteria are considered goals.

**Table C-12  
Field and Hydrologic Data Summary for Outfall 243 Baseflow  
Water Year 2019**

	<b>Baseflow Criteria<sup>1</sup></b>	<b>Baseflow 1</b>
Start of Event		10/1/2019 11:15
End of Event		10/2/2019 4:15
Sampling Duration (hours)	>4	16.47
Duration of Baseflow (hours)		9.5
Total Rainfall (inches)	<0.02	0
Last rainfall of .01		9/28/2019 6:00
Antecedent Dry Period (hours)	<0.02 in 24 hours	78.0
Flow Calculation (method)		Manning
Flow Range (cfs)	Avg/Max	3.46 / 3.68
Volume (cf)		121,336
Sampled Volume (cf)		113,610
Sample Type (Flow/Time Composite)		Flow
Sample Start		10/1/2019 12:01
Sample Stop		10/2/2019 4:29
Aliquots Compositing	>10	38
Conductivity Range (uhmos)	<2,000	8190 - 20920
Tidal Window		Yes
Date		10/1/2019
Time (24:00) Stage (feet)		01:11 -.024
		07:37 11.61
		13:29 3.25
		19:20 12.15
		10/2/2019
		01:56 -0.72
		08:38 11.39
		14:21 4.56
		20:00 11.56

<sup>1</sup>Criteria are considered goals.

**Table C-13**  
**Field and Hydrologic Data Summary for Outfall 245 Baseflow**  
**Water Year 2019**

	<b>Baseflow Criteria<sup>1</sup></b>	<b>Baseflow 1</b>	<b>Baseflow 2</b>	<b>Baseflow 3</b>
Start of Event		5/8/2019 10:15	8/14/2019 7:30	10/1/2019 11:46
End of Event		5/8/2019 15:45	8/14/2019 12:45	10/2/2019 3:30
Sampling Duration (hours)	>4	2.95	4.80	15.75
Duration of Baseflow		5.50	5.25	5.75
Total Rainfall (inches)	<0.02	0	0	0
Last rainfall of .01		5/7/2019 6:10	8/10/2019 8:05	9/28/2019 6:00
Antecedent Dry Period (hours)	<0.02 in 24 hours	29.9	95.0	77.8
Flow Calculation (method)		Manning	Manning	Manning
Flow Range (cfs)	Avg/Max	0.77 / 1.64	0.48 / 0.49	0.77 / 0.86
Volume (cf)		15,061	9,429	17,251
Sampled Volume (cf)		130,843	9,994	18,910
Sample Type (Flow/Time Composite)		Flow	Flow	Flow
Sample Start		5/8/2019 12:01	8/14/2019 7:07	10/1/2019 11:46
Sample Stop		5/8/2019 14:58	8/14/2019 11:55	10/2/2019 3:31
Aliquots Composited	>10	48	48	40
Conductivity Range (uhmos)	<2,000	4000 - 9400	8710 - 20930	5960 - 21770
Tidal Window		Yes	Yes	Yes
Date		5/8/2019	8/14/2019	10/1/2019
Time (24:00) Stage (feet)		02:02 6.68	04:20 10.37	01:11 -.024
		07:01 10.62	11:07 -0.98	07:37 11.61
		14:07 -2.08	18:31 11.68	13:29 3.25
		21:21 11.88	8/15/2019	19:20 12.15
		8/9/2019	00:07 5.77	10/2/2019
		02:57 7.06	05:01 10.36	01:56 -0.72
		07:45 10.19	11:43 -0.77	08:38 11.39
		14:56 -1.78	18:57 11.63	14:21 4.56
		22:18 11.81		20:00 11.56

<sup>1</sup>Criteria are considered goals.

**Table C-14**  
**Field and Hydrologic Data Summary for Outfall 254 Baseflow**  
**Water Year 2019**

	<b>Baseflow Criteria<sup>1</sup></b>	<b>Baseflow 1</b>	<b>Baseflow 2</b>	<b>Baseflow 3</b>
Start of Event		5/8/2019 10:00	6/20/2019 9:45	7/31/2019 7:30
End of Event		5/8/2019 16:00	6/20/2019 17:45	7/31/2019 13:15
Sampling Duration (hours)	>4	6.00	6.50	5.13
Duration of Baseflow		5.75	5.75	5.50
Total Rainfall (inches)	<0.02	0	0	0
Last rainfall of .01		5/7/2019 6:10	6/20/2019 1:50	7/17/2019 19:45
Antecedent Dry Period (hours)	<0.02 in 24 hours	28.0	344 (0.03", 6/20/19 00:35)	324.3
Flow Calculation (method)		Manning	Manning	Manning
Flow Range (cfs)	Avg/Max	0.08 / 0.23	0.11 / 0.16	0.12 / 0.24
Volume (cf)		1,564	2,391	2,090
Sampled Volume (cf)		1,604	3,902	2,501
Sample Type (Flow/Time Composite)		Flow	Flow	Flow
Sample Start		5/8/2019 10:08	6/20/2019 9:30	7/31/2019 8:00
Sample Stop		5/8/2019 16:08	6/20/2019 16:00	7/31/2019 13:08
Aliquots Composited	>10	46	20	27
Conductivity Range (uhmos)	<2,000	29750 - 33000	30600 - 35200	36600 - 39300
Tidal Window		Yes	Yes	Yes
Date		5/8/2019	6/20/2019	7/31/2019
Time (24:00) Stage (feet)		02:02 6.68	02:13 6.85	03:51 11.28
		07:01 10.62	06:44 9.89	10:58 -2.91
		14:07 -2.08	13:36 -1.54	18:19 12.10
		21:21 11.88	21:10 12.15	23:45 6.69
		8/9/2019	6/21/2019	8/1/2019
		02:57 7.06	03:03 6.66	04:42 11.45
		07:45 10.19	07:31 9.35	11:45 -3.11
		14:56 -1.78	14:16 -0.82	18:58 12.45
		22:18 11.81	21:47 12.03	

<sup>1</sup>Criteria are considered goals.

**Table C-15  
Precipitation Summary of Storm Events Sampled**

Antecedent (hours)	Precip (in)	Duration (hours)	Avg Intensity (in/hour)	Antecedent (hours)	Precip (in)	Duration (hours)	Avg Intensity (in/hour)	Antecedent (hours)	Precip (in)	Duration (hours)	Avg Intensity (in/hour)	Antecedent (hours)	Precip (in)	Duration (hours)	Avg Intensity (in/hour)	Antecedent (hours)	Precip (in)	Duration (hours)	Avg Intensity (in/hour)									
9/25/2001	575	0.38	23.75	0.02	WY2007	10/14/2006	200	0.57	13.75	0.04	WY2011	10/8/2010	300.25	1.34	39.25	0.03	WY2015	10/13/2014	55.75	0.45	7.25	0.06	WY2019	10/5/2018	64.8	0.44	11.3	0.04
WY2002	10/10/2001	39.5	0.33	7	0.05	Partial	--	0.27	11.25	0.02	10/30/2010	42	0.38	16.25	0.02	10/20/2014	40	0.35	11.75	0.03	10/25/2018 (1)	388.0	0.99	31.1	0.07			
10/24/2001	27.25	0.49	26.5	0.02	11/2/2006	335.75	0.93	19.75	0.05	11/9/2010	50	0.37	15.5	0.02	10/22/2014	19.5	1.21	16.75	0.07	10/27/2018	24.5	1.15	19.0	0.06				
11/28/2001	27.3	1.27	24	0.05	Partial	--	0.31	11	0.03	11/17/2010	32.5	0.51	30	0.02	10/30/2014	23.25	1.32	30.75	0.04	11/21/2018 (3)	346.3	0.21	7.3	0.03				
12/12/2001	26.5	1.4	17	0.08	Partial	--	0.54	15.75	0.03	11/29/2010	70	0.39	25.75	0.02	Partial	--	0.5	14	0.04	11/22/2018	9.4	1.19	23.3	0.05				
12/15/2001	38.3	0.5	24	0.02	Partial	--	0.66	16.5	0.04	12/11/2010	31.25	1.84	42.25	0.04	11/5/2014	32.25	0.67	27.75	0.02	Partial	--	0.76	12.5	0.06				
1/6/2002	34.8	0.85	23	0.04	11/15/2006	40.25	0.26	11.5	0.02	1/20/2011	84.75	0.29	13	0.02	11/21/2014	24.5	0.64	12.25	0.05	12/9/2018	204.0	0.80	21.7	0.04				
1/18/2002	149	0.25	10.3	0.02	11/19/2006	58.5	0.49	6.75	0.07	1/29/2011	106.5	0.22	8.5	0.03	(1)	--	24.5	0.64	12.25	0.08	12/11/2018 (1)	19.7	1.05	16.5	0.06			
1/23/2002	11.3	0.3	10.5	0.03	Partial	--	0.28	2.75	0.10	2/12/2011	106.75	0.55	4.25	0.13	Partial (1)	--	0.42	9.75	0.07	12/17/2018 (1)	19.0	1.01	32.0	0.06				
2/20/2002	33.5	0.73	10.8	0.07	2/17/2007	58	0.26	6	0.04	3/4/2011	21	0.21	5	0.04	11/24/2014	29.25	1.27	31	0.04	1/3/2019 (1)	104.4	0.50	12.3	0.07				
3/16/2002	27.8	0.35	22.5	0.02	2/24/2007	48	0.32	7.75	0.04	3/12/2011	30.75	0.30	11.5	0.03	(1)	--	1.27	31	0.07	1/18/2019	37.0	0.61	11.4	0.07				
4/9/2002	70.5	0.22	22.5	0.01	3/19/2007	35.25	0.44	18	0.02	4/4/2011	21.25	0.37	24.5	0.02	Partial (1)	--	0.77	16.5	0.08	2/1/2019 (3)	205.0	0.60	17.5	0.05				
4/26/2002	219.5	0.49	24.75	0.02	Partial	--	0.25	7.22	0.03	4/13/2011	53	0.18	17	0.01	12/8/2014	52.25	0.58	20.5	0.03	Partial	--	0.56	14.7	0.04				
5/28/2002	11.3	0.2	10.3	0.02	5/2/2007	83	0.35	21.5	0.02	4/26/2011	26.25	0.23	2.25	0.10	Partial	--	0.27	8.75	0.03	3/11/2019 (3)	103.9	0.77	11.1	0.07				
6/28/2002	13.8	0.66	25.25	0.03	6/9/2007	466.25	0.38	8	0.05	5/2/2011	92.25	0.19	7.75	0.02	12/23/2014	58.5	0.86	22	0.04	3/25/2019	309.4	0.24	9.4	0.08				
<b>Annual Avg</b>	<b>52.17</b>	<b>0.57</b>	<b>18.46</b>	<b>0.03</b>	6/28/2007	85.5	0.24	15	0.02	5/14/2011	70.5	1.36	20.5	0.07	1/4/2015	31.25	1.26	34	0.04	7/9/2019	162.9	0.36	24.6	0.01				
WY2003	10/3/2002	73	0.24	5.75	0.04	9/3/2007	336.5	0.38	8.25	0.05	5/25/2011	234.75	0.22	7.25	0.03	1/15/2015	78.25	0.31	14.75	0.02	9/9/2019	33.2	0.26	10.1	0.03			
11/6/2002	397.5	0.46	8.25	0.06	(1)	--	0.24	0.75	0.32	1/17/2015	33.25	1	20.75	0.05	1/17/2015	33.25	1	20.75	0.05	9/12/2019	76.4	0.27	2.92	0.09				
11/13/2002	24.5	0.25	13.75	0.02	9/16-17/2007	288.25	0.28	22	0.01	<b>Annual Avg</b>	<b>124.18</b>	<b>0.21</b>	<b>16.72</b>	<b>0.04</b>	3/13/2015	50.5	0.64	14.75	0.04	Partial	--	0.26	2.42	0.11				
11/17/2002	37	0.34	14.75	0.02	9/27-28/2007	249.25	0.63	10.25	0.06	WY2012	10/10/2011	10.75	0.75	28.75	0.03	3/20/2015	111.25	0.21	22.75	0.01	9/14/2019 (1)	38.2	0.36	14.3	0.04			
12/10/2002	125.5	0.4	29	0.01	<b>Annual Avg</b>	<b>175.73</b>	<b>0.43</b>	<b>12.96</b>	<b>0.04</b>	Partial	--	0.54	10.25	0.05	3/22/2015	12.25	0.17	11.5	0.01	9/22/2019 (3)	98.8	0.22	6.7	0.03				
1/1/2003	27.5	0.81	11.5	0.07	WY2008	10/10/2007	54.5	0.24	17.75	0.01	Partial	--	0.56	11.75	0.05	4/10/2015	77.75	0.29	7.25	0.04	<b>Annual Avg</b>	<b>124.7</b>	<b>0.61</b>	<b>15.7</b>	<b>0.05</b>			
(1)	--	0.97	26.25	0.04	11/9-10/2007	385.5	0.20	6.75	0.03	Partial	--	0.66	16.75	0.04	4/13/2015	48.5	0.34	10.5	0.03	WY2020	10/16/2019 (1)	203.8	0.52	15.7	0.03			
1/11/2003	24.3	0.62	19.3	0.03	11/26/2007	34.25	0.22	2.5	0.09	10/28/2011	136.75	0.30	3.5	0.09	4/23/2015	204.5	0.1	4.75	0.02	10/21/2019 (3)	51.4	0.75	12.3	0.08				
1/21/2003	161	0.43	8	0.05	11/28-29/2007	43.75	0.23	14.25	0.02	11/2/2011	75.75	0.47	5.75	0.08	7/26/2015	1300.5	0.42	1.25	0.34	11/15/2019 (1)	61.3	0.23	5.67	0.04				
1/25/2003	21.5	1.22	25.5	0.05	12/14-15/07	29.75	0.27	18.25	0.01	11/11/2011	170.25	0.17	2.25	0.08	8/14/2015	451.75	0.27	5.5	0.05	11/17/2019	38.3	0.27	9.6	0.03				
1/29/2003	41	0.51	13.8	0.04	12/27/2007	39.25	0.42	11.75	0.04	11/16/2011	86.25	0.31	15.25	0.02	8/29/2015	343.5	1.33	29.5	0.05	11/18/2019	26.8	0.42	21.8	0.02				
(1)	--	0.44	6.75	0.07	1/8/2008	37.5	0.28	8	0.04	Partial	--	0.19	5.5	0.03	Partial	--	1.06	22	0.05	12/6/2019	57.0	0.47	16.9	0.03				
2/15/2003	131.25	0.41	22.8	0.02	1/14/2008	34.25	0.14	4.5	0.05	11/21/2011	72.75	0.18	3.25	0.06	9/1/2015	49.75	0.23	8	0.03	12/18/2019 (1)	102.3	0.27	6.9	0.05				
(1)	--	0.31	7.5	0.04	(1)	--	0.18	2.25	0.08	11/27/2011	58.75	0.30	5	0.06	<b>Annual Avg</b>	<b>142.19</b>	<b>0.63</b>	<b>16.6</b>	<b>0.05</b>	12/31/2019	103.7	0.42	11.8	0.04				
3/11/2003	31.75	0.4	12.75	0.03	1/26/2008	147	0.28	11.25	0.02	1/4/2012	39	0.48	20.75	0.02	WY2016	10/7/2015	103.2	0.33	8.25	0.04	1/2/2020 (1)	39.8	0.20	7.6	0.03			
(1)	--	0.36	4.75	0.08	(1)	--	0.24	4.5	0.05	Partial	--	0.39	10.25	0.04	11/16/2015	27.9	1.69	25.6	0.07	1/17/2020 (1)(3)	130.8	0.23	10.4	0.03				
4/1/2003	29.25	0.28	5.25	0.05	2/29/2008	53.5	0.28	5.25	0.05	1/9/2012	101.5	0.21	7.5	0.03	Partial	--	0.31	10.1	0.03	1/30/2020	28.1	1.9	40.0	0.05				
(1)	--	0.23	3	0.08	(1)	--	0.27	3.75	0.07	1/24/2012	34.5	0.98	29	0.03	Partial	--	0.70	17.4	0.04	Partial	--	0.86	21.1	0.04				
4/21/2003	179	0.39	11.5	0.03	3/23/2008	53.25	0.53	14.25	0.04	1/24/2012	73.25	1.32	21.5	0.06	12/1/2015	175.25	0.57	10.1	0.06	2/6/2020 (2)	22.9	0.52	10.4	0.05				
9/16/2003	116	0.2	8.25	0.02	Partial	--	0.23	5.5	0.04	1/31/2012	42	0.41	16.25	0.03	12/5/2015	27.5	0.59	24.5	0.02	Partial	--	0.28	4.3	0.06				
(1)	--	0.19	4	0.05	5/20/2008	394	0.47	14	0.03	2/17/2012	27.25	0.86	24.25	0.04	Partial	--	0.35	11.3	0.03	2/23/2020	198.7	0.37	6.3	0.06				
<b>Annual Avg</b>	<b>94.67</b>	<b>0.46</b>	<b>14.01</b>	<b>0.04</b>	(1)	--	0.4	7.5	0.05	Partial	--	0.83	24	0.03	12/12/2015	33.5	0.41	9.7	0.04	3/5/2020	49.8	0.53	16.5	0.03				
WY2004	10/6/2003	417	0.29	3	0.10	7/31/2008	45	0.22	12.75	0.02	2/24/2012	59.75	0.23	11.75	0.02	12/20/2015	29.2	1.36	39	0.03	3/13/2020 (1)	135.1	0.35	13.17	0.03			
10/15/2003	65.5	0.53	10	0.05	8/19/2008	27.5	0.36	12	0.03	3/5/2012	62.5	0.31	4.75	0.07	Partial	--	0.29	19.7	0.01	3/28/2020 (2)(3)	12.0	0.58	13.7	0.08				
10/22/2003	29	0.37	2.75	0.13	<b>Annual Avg</b>	<b>98.50</b>	<b>0.30</b>	<b>10.95</b>	<b>0.03</b>	3/14/2012	20.25	1.04	48.25	0.02	12/22/2015 (3)	23.0	0.21	3.6	0.05	4/22/2020 (3)	93.0	0.47	12.50	0.05				
11/15/2003	318	0.21	9.5	0.02	WY2009	10/3/2008	178.5	0.46	24.5	0.02	Partial	--	0.21	10.3	0.02	1/16/2016 (3)	47.8	0.42	18.9	0.02	4/26/2020	35.3	0.26	5.7	0.05			
12/2/2003	26	0.22	2.25	0.10	(1)	--	0.41	12.5	0.03	Partial	--	0.46	24	0.02	1/19/2016 (3)	45.3	0.52	18.7	0.05	5/2/2020	119.8	0.34	34.00	0.01				
12/4/2003	40.5	0.5	23.5	0.02	10/20/2008	54.75	0.25	8.5	0.03	4/3/2012	41.25	0.15	3	0.05	Partial	--	0.43	8.6	0.05	5/16/2020 (3)	53.6	0.50	23.0	0.09				
(1)	--	0.34	9.5	0.04	10/31/2008	185.75	0.29	11.25	0.03	4/19/2012	30.5	0.77	20	0.04	2/3/2016	107.25	0.56	21.5	0.03	5/30/2020	118.1	0.85	18.33	0.05				
12/20/2003	--	0.2	4.5	0.04	11/5/2008	38.75	2.71	36.25	0.07	4/25/2012	11	0.65	34.5	0.02	Partial	--	0.49	14.9	0.03	6/8/2020	58.2	0.52	19.92	0.03				
1/18/2004	59.75	0.25	12.5	0.02	Partial	--	0.36	10.25	0.04	4/29/2012	73.5	0.37	18.25	0.02	2/5/2016	29.8	0.35	8.3	0.									

TABLE C-16  
NUMBER OF STORMS FOR EACH AMOUNT OF PRECIPITATION

Total Rainfall in Inches										Total Rainfall in Inches										PERCENT OF STORM PRECIPITATION RANGES - YEARLY AND HISTORIC										PERCENT OF STORM PRECIPITATION RANGES - YEARLY AND HISTORIC									
~0.15-0.29 0.3-0.39 0.4-0.49 0.5-0.59 0.6-0.69 0.7-0.79 0.8-0.89 0.9-1.99										~0.15-0.29 0.3-0.39 0.4-0.49 0.5-0.59 0.6-0.69 0.7-0.79 0.8-0.89 0.9-1.99										~0.15-0.29 0.3-0.39 0.4-0.49 0.5-0.59 0.6-0.69 0.7-0.79 0.8-0.89 0.9-1.99										~0.15-0.29 0.3-0.39 0.4-0.49 0.5-0.59 0.6-0.69 0.7-0.79 0.8-0.89 0.9-1.99									
Water Year 2002										Water Year 2012										Water Year 2002										Water Year 2012									
237A	3	2	1	1	1	1	1	1	1	237A	3	2	1	0	2	1	0	0	9	237A	33.3%	22.2%	0.0%	0.0%	11.1%	11.1%	11.1%	11.1%	100%	237A	33.3%	22.2%	0.0%	0.0%	22.2%	11.1%	0.0%	0.0%	100%
237B	3	2	1	1	1	1	1	1	1	237B	2	5	0	0	0	1	0	2	10	237B	33.3%	22.2%	11.1%	0.0%	11.1%	0.0%	11.1%	11.1%	100%	237B	20.0%	50.0%	0.0%	0.0%	0.0%	10.0%	0.0%	20.0%	100%
230	3	2	1	1	1	1	1	2	11	230	2	3	0	0	1	2	0	1	9	230	27.3%	18.2%	9.1%	0.0%	9.1%	9.1%	9.1%	18.2%	100%	230	22.2%	33.3%	0.0%	0.0%	11.1%	22.2%	0.0%	11.1%	100%
235	3	2	1	1	1	1	1	1	10	235	3	2	0	0	2	1	1	12	235	30.0%	20.0%	10.0%	10.0%	10.0%	10.0%	10.0%	0.0%	100%	235	25.0%	25.0%	0.0%	0.0%	16.7%	0.0%	0.0%	8.3%	100%	
243	1	3	1	1	1	1	1	1	8	243	0	0	0	0	2	2	0	0	4	243	12.5%	37.5%	12.5%	0.0%	12.5%	12.5%	0.0%	12.5%	100%	243	0.0%	0.0%	0.0%	0.0%	50.0%	50.0%	0.0%	0.0%	100%
245	3	2	2	1	1	1	1	2	11	245	4	4	1	0	0	2	0	1	12	245	27.3%	18.2%	18.2%	0.0%	9.1%	9.1%	0.0%	18.2%	100%	245	33.3%	33.3%	8.3%	0.0%	0.0%	16.7%	0.0%	8.3%	100%
254	3	2	1	1	1	1	1	1	9	254	1	0	1	0	0	1	0	1	4	254	33.3%	22.2%	11.1%	0.0%	11.1%	11.1%	0.0%	11.1%	100%	254	25.0%	0.0%	25.0%	0.0%	0.0%	25.0%	0.0%	25.0%	100%
Yr 11 Storm	3	3	2	1	1	1	1	2	14	Yr 11 Storm	7	6	3	0	3	2	1	3	25	Yr 11 Storm	21.4%	21.4%	14.3%	7.1%	7.1%	7.1%	7.1%	14.3%	100%	Yr 11 Storm	28.0%	24.0%	12.0%	0.0%	12.0%	8.0%	4.0%	12.0%	100%
Water Year 2003										Water Year 2013										Water Year 2003										Water Year 2013									
237A	3	1	5						10	237A	3	1	4	0	0	1	0	1	10	237A	30.0%	10.0%	50.0%	0.0%	0.0%	10.0%	0.0%	0.0%	100%	237A	30.0%	10.0%	40.0%	0.0%	0.0%	10.0%	0.0%	10.0%	100%
237B	3	1	5						10	237B	1	1	3	1	0	1	0	1	8	237B	30.0%	10.0%	50.0%	0.0%	10.0%	0.0%	0.0%	0.0%	100%	237B	12.5%	12.5%	37.5%	12.5%	0.0%	12.5%	0.0%	12.5%	100%
230	1	2	3						8	230	2	1	3	0	1	1	0	0	8	230	12.5%	25.0%	37.5%	0.0%	0.0%	12.5%	12.5%	0.0%	100%	230	25.0%	12.5%	37.5%	0.0%	0.0%	12.5%	0.0%	0.0%	100%
235	1	2	5						9	235	4	1	4	0	1	1	0	0	11	235	11.1%	22.2%	55.6%	0.0%	0.0%	11.1%	0.0%	0.0%	100%	235	36.4%	9.1%	36.4%	0.0%	9.1%	9.1%	0.0%	0.0%	100%
243	1	2	3	1					7	243	1	0	2	0	0	0	0	0	3	243	14.3%	28.6%	42.9%	14.3%	0.0%	0.0%	0.0%	0.0%	100%	243	33.3%	0.0%	66.7%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
245	2	2	4						9	245	1	0	1	0	1	0	0	0	3	245	22.2%	22.2%	44.4%	0.0%	0.0%	11.1%	0.0%	0.0%	100%	245	33.3%	0.0%	33.3%	0.0%	33.3%	0.0%	0.0%	0.0%	100%
254	1	1	5						8	254	1	1	1	0	0	0	0	1	4	254	12.5%	12.5%	62.5%	0.0%	0.0%	12.5%	0.0%	0.0%	100%	254	25.0%	25.0%	0.0%	0.0%	0.0%	0.0%	0.0%	25.0%	100%
Yr 12 Storm	4	2	5	1	1	0	1	1	15	Yr 12 Storm	4	1	4	1	1	1	0	1	13	Yr 12 Storm	26.7%	13.3%	33.3%	6.7%	6.7%	0.0%	6.7%	6.7%	100%	Yr 12 Storm	30.8%	7.7%	30.8%	7.7%	7.7%	7.7%	0.0%	7.7%	100%
Water Year 2004										Water Year 2014										Water Year 2004										Water Year 2014									
237A	6	1	2	2					12	237A	2	1	1	1	1	0	2	1	9	237A	50.0%	8.3%	16.7%	16.7%	0.0%	0.0%	8.3%	0.0%	100%	237A	22.2%	11.1%	11.1%	11.1%	11.1%	0.0%	22.2%	11.1%	100%
237B	5	1	2	3					12	237B	2	0	2	2	1	0	1	2	10	237B	41.7%	8.3%	16.7%	25.0%	0.0%	0.0%	8.3%	0.0%	100%	237B	20.0%	0.0%	20.0%	20.0%	10.0%	0.0%	10.0%	20.0%	100%
230	5	1	2	4					13	230	0	1	2	2	1	0	1	2	9	230	38.5%	7.7%	15.4%	30.8%	0.0%	0.0%	7.7%	0.0%	100%	230	0.0%	11.1%	22.2%	22.2%	11.1%	0.0%	11.1%	22.2%	100%
235	7	1	1	2					12	235	1	1	1	1	1	0	1	2	8	235	58.3%	8.3%	8.3%	16.7%	0.0%	0.0%	8.3%	0.0%	100%	235	12.5%	12.5%	12.5%	12.5%	12.5%	0.0%	12.5%	25.0%	100%
243	4	1	1	2					10	243	1	0	1	0	0	0	0	2	4	243	40.0%	10.0%	10.0%	20.0%	0.0%	0.0%	20.0%	0.0%	100%	243	25.0%	0.0%	25.0%	0.0%	0.0%	0.0%	0.0%	50.0%	100%
245	5	1	2	1					10	245	2	0	1	0	1	0	0	1	5	245	50.0%	10.0%	20.0%	10.0%	0.0%	0.0%	10.0%	0.0%	100%	245	40.0%	0.0%	20.0%	0.0%	20.0%	0.0%	0.0%	20.0%	100%
254	3	2	1	3					9	254	1	0	1	1	1	0	0	1	5	254	33.3%	0.0%	11.1%	33.3%	0.0%	0.0%	22.2%	0.0%	100%	254	20.0%	0.0%	20.0%	20.0%	20.0%	0.0%	0.0%	20.0%	100%
Yr 13 Storm	9	1	2	4	0	0	2	0	18	Yr 13 Storm	4	1	2	2	1	0	2	4	16	Yr 13 Storm	50.0%	5.6%	11.1%	22.2%	0.0%	0.0%	11.1%	0.0%	100%	Yr 13 Storm	25.0%	6.3%	12.5%	12.5%	6.3%	0.0%	12.5%	25.0%	100%
Water Year 2005										Water Year 2015										Water Year 2005										Water Year 2015									
237A	3	2	2	1	3				11	237A	2	2	0	0	0	0	1	5	10	237A	27.3%	18.2%	18.2%	9.1%	27.3%	0.0%	0.0%	0.0%	100%	237A	20.0%	20.0%	0.0%	0.0%	0.0%	0.0%	10.0%	50.0%	100%
237B	3	2	2	2	3				12	237B	3	1	0	0	1	0	1	2	8	237B	25.0%	16.7%	16.7%	16.7%	25.0%	0.0%	0.0%	0.0%	100%	237B	37.5%	12.5%	0.0%	0.0%	12.5%	0.0%	12.5%	25.0%	100%
230	2	2	1	2	3				9	230	0	1	1	2	2	1	1	2	10	230	22.2%	22.2%	11.1%	0.0%	33.3%	0.0%	0.0%	11.1%	100%	230	0.0%	10.0%	10.0%	20.0%	20.0%	10.0%	10.0%	20.0%	100%
235	3	2	2	2	3				12	235	2	2	2	1	0	0	1	5	13	235	25.0%	16.7%	16.7%	16.7%	25.0%	0.0%	0.0%	0.0%	100%	235	15.4%	15.4%	15.4%	7.7%	0.0%	0.0%	7.7%	38.5%	100%
243	1	1	1	3					7	243	0	0	0	0	2	0	1	0	3	243	14.3%	14.3%	14.3%	0.0%	42.9%	0.0%	0.0%	14.3%	100%	243	0.0%	0.0%	0.0%	0.0%	66.7%	0.0%	33.3%	0.0%	100%
245	3	2	1	1	3				10	245	2	2	2	0	0	0	0	1	7	245	30.0%	20.0%	10.0%	10.0%	30.0%	0.0%	0.0%	0.0%	100%	245	28.6%	28.6%	28.6%	0.0%	0.0%	0.0%	0.0%	14.3%	100%
254	3	2	1	1	3				10	254	0	1	2	0	2	0	1	3	7	254	30.0%	20.0%	10.0%	10.0%	30.0%	0.0%	0.0%	0.0%	100%	254	0.0%	14.3%	0.0%	0.0%	28.6%	0.0%	14.3%	42.9%	100%
Yr 14 Storm	3	2	2	2	3	0	0	1	13	Yr 14 Storm	3	3	2	1	3	0	1	6	19	Yr 14 Storm	23.1%	15.4%	15.4%	15.4%	23.1%	0.0%	0.0%	7.7%	100%	Yr 14 Storm	15.8%	15.8%	10.5%	15.8%	0.0%	5.3%	15.8%	31.6%	100%
Water Year 2006										Water Year 2016										Water Year 2006										Water Year 2016									
237A	4	1	1						6	237A	0	4	3	1	0	0	0	0	8	237A	66.7%	16.7%	16.7%	0.0%	0.0%	0.0%	0.0%	0.0%	100%	237A	0.0%	50.0%	37.5%	12.5%	0.0%	0.0%	0.0%	0.0%	100%
237B	4	1							5	237B	2	1	2	1	0	0	1	0	7	237B	80.0%	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%	237B	28.6%	14.3%	28.6%	14.3%	0.0%	0.0%	14.3%	0.0%	100%
230	3	1	2						7	230	0	3	2	1	0	0	0	1	7	230	42.9%	14.3%	28.6%	0.0%	0.0%	14.3%	0.0%	0.0%	100%	230	0.0%	42.9%	28.6%	14.3%	0.0%	0.0%	0.0%	14.3%	100%
235	3	1	1						6	235	1	3	3	2	0	0	0	1	10	235	50.0%	16.7%	16.7%	0.0%	0.0%	16.7%	0.0%	0.0%	100%	235	10.0%	30.0%	30.0%	20.0%	0.0%	0.0%	0.0%	10.0%	100%
243	2	2							6	243	3	0	1	1	2	0	1	0	5	243	33.3%	0.0%	33.3%	0.0%	0.0%	0.0%	33.3%	0.0%	100%	243	0.0%	20.0%	20.0%	40.0%	0.0%	20.0%	0.0%	0.0%	100%
245	3	1	1						6	245	1	1	4	1	0	0	0	1	8	245	42.9%	0.0%	14.3%	0.0%	0.0%	14.3%	0.0%	28.6%	100%	245	12.5%	12.5%	50.0%	12.5%	0.0%	0.0%	0.0%	12.5%	100%
254	2	1	2						7																														



**Table C-17  
Corrective Actions for WY2021**

Date	Outfall	Issue	Explanation	Corrective Action	Date Corrective Action Performed
10/11/2020	237A	Sample Tubing	Sample tubing ripped out	Sample tubing reattached	10/11/20
10/12/2020	235	Pump Calibration	Sampler calibration was off	Recalibrated sampler	10/12/20
11/6/2020	237A	Battery Issue	Battery not charging	Battery Replaced	11/06/20
11/6/2020	237B	Clogged Strainer	Clogged Strainer	Entry to Clear Strainer	11/06/20
11/6/2020	230	Pump Calibration	Sampler calibration was off	Recalibrated sampler	11/06/20
11/6/2020	235	Sample Tubing	Sample tubing ripped out	Sample tubing reattached	11/06/20
11/12/2020	243	Enable	Update Enable to <8 µs/cm	Update Enable	11/12/20
11/13/2020	254	Enable	Update Enable to <10 µs/cm	Update Enable	11/13/20
11/13/2020	237A	Enable	Update Enable to >6.8 ft/s	Update Enable	11/13/20
12/7/2020	245	Battery Issue	Battery not charging	Battery Replaced	12/07/20
12/7/2020	243	Enable	Update Enable to <10 µs/cm	Update Enable	12/07/20
12/9/2020	243	Enable	Update Enable to <5 µs/cm	Update Enable	12/09/20
12/9/2020	237A	Sample Tubing	Sample tubing ripped out	Sample tubing reattached	12/09/20
1/13/2021	237A	Sample Tubing	Sample tubing ripped out	Sample tubing reattached	01/13/21
1/22/2021	245	Battery Issue	Battery not charging	Battery Replaced	01/22/21
1/29/2021	235	Sample Tubing	Worn out sample tubing	Replaced sample tubing	01/29/21
2/2/2021	254	Sample Tubing	Worn out sample tubing	Replaced sample tubing	02/02/21
2/17/2021	254	Cond. Probe	Conductivity probe out of water	Entry to remount probe	02/17/21
2/19/2021	245	Battery Issue	Battery not charging	Battery Replaced	02/19/21
2/19/2021	243	Battery Issue	Battery not charging	Battery Replaced	02/19/21
5/26/2021	245	Battery Issue	Battery not charging	Battery Replaced	05/26/21
8/31/2021	254	Battery Issue	Battery not charging	Replaced Sensor/Tubing/Clean Probe	08/31/21
9/1/2021	254	Sunsaver Issue	Sunsaver not working	Replaced Sunsaver	09/01/21
9/8/2021	245	Battery Issue	Battery not charging	Battery Replaced	09/08/21
9/8/2021	230	Battery Issue	Battery not charging	Battery Replaced	09/08/21
9/15/2021	243	Sensor Issue	Sensor not reading correctly	Sensor replaced/Tubing replaced	09/15/21
9/24/2021	230	Sensor Issue	Sensor torn away from mounting plate	Sensor replaced and mounting plate moved/reinstalled	10/06/21