

**Table C-1
Storm Field Summary Report for OF230 WY2017**

	Storm Flow Criteria	Storm 1	Storm 2	Storm 3	Storm 4 Rejected	Storm 5	Storm 6	Storm 7	Storm 8	Storm 9	Storm 10	Storm 11	Storm 12	Storm 13	Storm 14
Start of Rainfall		10/6/2016 17:40:00	10/12/2016 23:30:00	11/5/2016 4:15:00	11/14/2016 22:30:00	12/3/2016 16:45:00	12/19/2016 2:35:00	1/8/2017 10:05:00	1/17/2017 3:50:00	2/3/2017 5:05:00	3/17/2017 11:30:00	4/4/2017 18:15:00	5/4/2017 15:35:00	6/15/2017 4:05:00	9/18/2017 3:15:00
End of Rainfall		10/7/2016 5:25:00	10/15/2016 18:35:00	11/6/2016 5:45:00	11/15/2016 8:30:00	12/4/2016 1:25:00	12/19/2016 7:35:00	1/8/2017 21:05:00	1/18/2017 10:30:00	2/6/2017 2:05:00	3/18/2017 9:40:00	4/5/2017 14:30:00	5/4/2017 23:20:00	6/16/2017 2:15:00	9/19/2017 12:55:00
Antecedent Dry Period (hours)	<0.02 in 24 hours	30.17	77.08	50.08	16.42	31.33	147.17	184.00	159.08	293.58	42.08	71.33	32.25	128.67	12.75 846.17 (0.04)
Total Rainfall (inches)	>0.2	0.24	3.94	1.66	0.9	0.33	0.28	0.42	1.93	2.75	0.99	0.64	0.33	0.72	0.29
Rainfall Duration (hours)		11.75	67.08	25.50	10.00	8.67	5.00	11.00	30.67	69.00	22.17	20.25	7.75	22.08	12.83
Start of Storm Flow		10/6/16 19:45	10/12/16 23:45	11/5/16 4:30	11/14/16 22:30	12/3/16 17:15	12/19/16 2:30	1/8/17 10:45	1/17/17 3:30	2/3/17 5:15	3/17/17 11:30	4/4/17 18:15	5/4/17 14:45	6/15/17 4:00	9/18/17 3:15
End of Storm Flow		10/7/16 6:45	10/15/16 18:30	11/6/16 1:00	11/15/16 12:15	12/4/16 5:00	12/19/16 7:00	1/8/17 23:15	1/18/17 10:45	2/6/17 2:00	3/18/17 14:15	4/5/17 20:15	5/4/17 22:00	6/16/17 6:45	9/19/17 1:15
Total Volume of Storm Runoff (cf)		133,504	1,800,465	665,177	611,555	250,524	126,793	256,007	1,159,818	1,799,586	755,110	423,817	165,219	328,267	130,975
Duration of storm runoff (hours)		11.00	54.75	24.75	13.75	11.25	4.50	11.50	21.75	56.00	30.75	22.75	7.25	24.75	19.00
Flow Calculation (method)	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity
Flow Range (cfs) Avg		3.37	9.13	7.47	12.35	6.19	7.83	6.18	14.81	8.93	6.82	5.17	6.33	3.68	1.91
Flow Range (cfs) Max		17.96	34.19	73.53	136.45	12.46	14.07	23.84	55.7	20.8	29.2	17.7	30.1	17.3	17.8
Volume Sampled (cf)	>75% of Storm Volume Sampled	123,080	1,297,541	570,519	611,555	224,350	121,939	231,535	1,099,662	511,268	718,479	385,005	164,300	249,168	103,884
Sample Type (Flow/Time)		Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow
Start of Event		10/6/2016 22:00 22:00:00	10/13/2016 4:15 4:15:00	11/5/2016 7:15 7:15:00	11/14/2016 22:30 22:30:00	12/3/2016 19:45 19:45:00	12/19/2016 2:45 2:45:00	1/8/2017 12:45 12:45:00	1/17/2017 4:15 4:15:00	2/3/2017 5:15 5:15:00	3/17/2017 10:45 10:45:00	4/4/2017 18:30 18:30:00	5/4/2017 14:45 14:45:00	6/15/2017 8:15 8:15:00	9/18/2017 3:30 3:30:00
End of Event		10/7/2016 6:11 6:11:00	10/15/2016 9:34 9:34:00	11/6/2016 2:42 2:42:00	11/15/2016 23:35 23:35:00	12/4/2016 2:41 2:41:00	12/19/2016 6:21 6:21:00	1/8/2017 21:55 21:55:00	1/18/2017 8:19 8:19:00	2/4/2017 4:32 4:32:00	3/18/2017 11:16 11:16:00	4/5/2017 16:56 16:56:00	5/4/2017 21:13 21:13:00	6/16/2017 1:35 1:35:00	9/19/2017 1:15 1:15:00
Sampling Duration (hours)	>2*Time of Concentration up to 24 hours	8.18	53.32	19.45	25.08	6.93	3.60	9.17	28.07	23.28	24.52	22.43	6.47	17.33	21.75
Aliquots Composited	>10	12	29	31	41	40	13	24	24	48	38	39	26	20	18
Conductivity Range (uS/cm)	<2,000	28.37 - 53.4	14.4 - 41.2	14 - 139	11.28 - 226.0	20 - 131	141 - 1634	135 - 410	37.6 - 155.7	50 - 721	19.88 - 54.3	29.97 - 54.1	23.68 - 66.4	20.88 - 43.5	21.13 - 125.2
Tidal Window Time (24:00) Stage (feet)		10/6/2016 02:35 0.63 09:31 10.63 15:20 6.07 20:39 9.59 10/7/2016 03:19 0.85 10:25 10.47 16:20 6.53 21:63 9.09	10/13/2016 03:00 9.9 09:08 1.69 15:42 11.84 22:02 2.64 10/14/2016 03:53 10.66 09:58 1.86 16:15 12.17 22:40 1.3	11/5/2016 02:42 0.08 09:58 11.57 16:02 6.79 20:43 9.01 11/6/2016 02:29 0.59 09:50 11.49 16:06 6.63 20:44 8.56	11/14/2016 04:39 12.17 10:15 5.01 15:45 12.75 22L38 -2.59 11/15/2016 05:31 12.67 11:07 5.55 16:27 12.52 23:22 -3.02	12/3/2016 12:35 -0.84 07:52 12.42 13:45 6.86 18:28 9.77 12/4/2016 01:15 -0.42 08:32 12.45 14:36 6.63 19:18 9.33	12/19/2016 02:12 0.26 09:26 13.01 15:56 5.22 20:54 8.88 12/20/2016 03:05 1.76 10:13 12.7 17:02 4.45 22:17 8.33	1/8/2017 01:40 9.6 06:35 6.49 12:30 12.49 19:42 -0.51 1/9/2017 02:55 10.65 07:54 7.09 13:21 12.44 08:32 -1.61	1/18/2017 02:33 2.37 09:24 12.6 16:07 3.91 21:43 8.6 1/19/2017 3:23 3.91 10:06 12.16 17:04 3.27 23:12 8.39	2/3/2017 02:49 3.59 09:21 12.62 16:12 1.94 22:22 9.16 2/4/2017 03:47 5.16 10:08 12.28 17:13 1.1	3/17/2017 02:40 4.47 08:36 11.12 15:08 1.39 21:45 10.11 3/18/2017 03:26 5.46 09:13 10.54 15:51 1.43	4/4/2017 12:40 10.89 06:28 6.73 11:22 9.63 18:17 0.28 4/5/2017 01:58 11.14 07:58 6.17 12:49 9.31	5/4/2017 01:17 11.76 07:46 4.94 12:47 8.50 18:56 1.61 5/5/2017 02:11 11.83 08:45 3.80 14:13 8.75	6/15/2017 04:13 5.93 08:57 8.68 15:30 0.33 22:44 12.04 6/16/2017 05:09 5.27 10:01 8.26 16:19 1.28	9/18/2017 03:44 10.67 10:11 -0.21 17:01 11.98 23:02 3.52 04:38 10.95 10:58 0.15 17:33 12.08 23:41 2.69
Percent coverage		92%	72%	86%	100%	90%	96%	90%	95%	28%	95%	91%	99%	76%	79%

Criteria are considered goals.

**Table C-2
Storm Field Summary Report for OF235 WY2017**

	Storm Flow Criteria	Storm 1	Storm 2 Full	Storm 2 Partial	Storm 3	Storm 4	Storm 5	Storm 6	Storm 7	Storm 8 Full	Storm 8 Partial	Storm 9	Storm 10	Storm 11	Storm 12
Start of Rainfall		10/12/2016 23:30:00	11/13/2016 7:45:00	11/13/2016 7:45:00	12/3/2016 16:45:00	12/19/2016 2:35:00	1/8/2017 10:05:00	1/17/2017 3:50:00	2/3/2017 5:05:00	2/14/2017 19:40:00	2/14/2017 19:40:00	3/17/2017 11:30:00	4/4/2017 18:15:00	6/15/2017 4:05:00	9/18/2017 3:15:00
End of Rainfall		10/15/2016 18:35:00	11/14/2016 6:05:00	11/13/2016 22:40:00	12/4/2016 1:25:00	12/19/2016 7:35:00	1/8/2017 21:05:00	1/18/2017 10:40:00	2/6/2017 2:05:00	2/16/2017 4:40:00	2/15/2017 13:35:00	3/18/2017 9:40:00	4/5/2017 14:30:00	6/16/2017 2:15:00	9/19/2017 12:55:00
Antecedent Dry Period (hours)	<0.02 in 24 hours	77.08	24.75	24.75	31.33	147.17	184.00	159.08	293.58	97.83	97.83	42.08	71.33	128.67	12.75 846.17 (0.04)
Total Rainfall (inches)	>0.2	3.94	0.79	0.35	0.33	0.28	0.42	1.93	2.75	2.28	1.26	0.99	0.64	0.72	0.29
Rainfall Duration (hours)		67.08	22.33	14.92	8.67	5.00	10.92	30.83	69.00	33.00	17.92	22.17	20.25	22.08	12.83
Start of Storm Flow		10/13/16 0:00	11/13/16 7:45	11/13/16 7:45	12/3/16 15:00	12/19/16 2:30	1/8/17 10:00	1/17/17 3:45	2/3/17 5:15	2/14/17 19:45	2/14/17 19:45	3/17/17 2:30	4/4/17 18:15	6/15/17 4:00	9/18/2017 3:30
End of Storm Flow		10/15/16 18:30	11/14/16 7:15	11/13/16 22:44	12/4/16 4:15	12/19/16 7:30	1/9/17 0:45	1/18/17 11:15	2/6/17 2:00	2/16/17 6:30	2/15/17 19:00	3/18/17 20:00	4/5/17 16:45	6/16/17 3:30	9/18/2017 19:15
Total Volume of Storm Runoff (cf)		1,128,181	301,655	130,008	167,280	82,133	125,760	591,091	1,068,233	721,357	476,225	428,839	264,545	195,537	46,229
Duration of storm runoff (hours)		31.09	22.25	12.48	11.25	4.75	13.75	23.75	64.75	22.25	22.25	32.25	20.50	22.25	12.75
Flow Calculation (method)		Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity
Flow Range (cfs) Avg		10.08	3.77	2.89	4.13	4.80	2.54	6.91	4.47	5.30	5.30	3.69	3.58	2.44	1.01
Flow Range (cfs) Max		18.22	17.81	17.81	10.08	8.20	7.87	14.84	11.30	11.36	11.36	10.65	9.45	11.52	7.9
Volume Sampled (cf)	>75% of Storm Volume Sampled	995,246	118,860	118,860	136,572	69,504	105,134	562,253	415,404	337,528	337,528	415,936	251,923	179,609	34,491
Sample Type (Flow/Time Composite)		Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow
Start of Event		10/13/2016 0:00:00	11/13/2016 8:00:00	11/13/2016 8:00:00	12/3/2016 15:15:00	12/19/2016 2:45:00	1/8/2017 13:00:00	1/17/2017 11:45:00	2/3/2017 5:15:00	2/14/2017 20:45:00	2/14/2017 20:45:00	3/17/2017 9:45:00	4/4/2017 18:30:00	6/15/2017 4:30:00	9/18/2017 3:45:00
End of Event		10/15/2016 10:12:00	11/13/2016 22:43:00	11/13/2016 22:43:00	12/4/2016 0:32:00	12/19/2016 6:12:00	1/8/2017 23:39:00	1/18/2017 10:01:00	2/4/2017 14:04:00	2/15/2017 13:43:00	2/15/2017 13:43:00	3/18/2017 20:00:00	4/5/2017 16:42:00	6/16/2017 3:13:00	9/18/2017 19:14:00
Sampling Duration (hours)	>2*Time of Concentration up to 24 hours	58.2	14.7	14.7	9.3	3.4	10.7	22.3	31.8	17.0	17.0	34.3	22.2	22.7	15.5
Aliquots Compositied	>10	43	32	32	48	18	24	24	48	48	48	30	40	24	13
Conductivity Range (uS/cm)	<2,000	33 - 54	43 - 146	43 - 146	33 - 182	252 - 5020	270.7 - 489	70.8 - 278.3	57.7-720.0	41.5-612	41.5-612	52.7 - 311.0	50.1 - 123.9	29.33 - 100.6	99.0 - 171.6
Tidal Window		10/13/2016 03:00 9.9	11/13/2016 06:45 11.45	11/13/2016 06:45 11.45	12/3/2016 00:35 -0.84	12/19/2016 02:12 0.26	1/8/2017 01:40 9.6	1/17/2017 01:47 0.89	2/4/2017 03:47 5.16	2/14/2017 12:54 0.79	2/14/2017 12:54 0.79	3/17/2017 2:40 4.47	4/4/2017 12:40 10.89	6/15/2017 04:13 5.93	9/18/2017 03:44 10.67
Time (24:00) Stage (feet)		09:08 1.69	09:23 4.46	09:23 4.46	07:52 12.42	09:26 13.01	06:35 6.49	08:45 12.98	10:08 12.28	07:21 12.74	07:21 12.74	08:36 11.12	06:28 6.73	08:57 8.68	10:11 -0.21
		15:42 11.84	15:06 12.78	15:06 12.78	13:45 6.86	15:56 5.22	12:30 12.49	15:11 4.5	17:13 1.1	13:35 3.54	13:35 3.54	15:08 1.39	11:22 9.63	15:30 0.33	17:01 11.98
		22:02 2.64	21:56 -1.7	21:56 -1.7	18:28 9.77	20:54 8.88	19:42 -0.51	20:31 9.61	2/5/2017 19:15 10.22	19:15 10.22	19:15 10.22	21:45 10.11	18:17 0.28	22:44 12.04	23:02 3.52
		10/14/2016	11/14/2016	11/14/2016	12/4/2016	12/20/2016	1/9/2017	1/18/2017	12/01 9.27	2/15/2017	2/15/2017	3/18/2017	4/5/2017	6/16/2017	04:38 10.95
		03:53 10.66	04:39 12.17	04:39 12.17	01:15 -0.42	03:05 1.76	02:55 10.65	02:33 2.37	05:01 6.51	01:21 2.0	01:21 2.0	03:26 5.46	01:58 11.14	05:09 5.27	10:58 0.15
		09:58 1.86	10:15 5.01	10:15 5.01	08:32 12.45	10:13 12.7	07:54 7.09	09:24 12.6	11:02 11.92	07:54 12.43	07:54 12.43	09:13 10.54	07:58 6.17	10:01 8.26	17:33 12:08
		16:15 12.17	15:45 12.75	15:45 12.75	14:36 6.63	17:02 4.45	13:21 12.44	16:07 3.91	18:16 0.26	14:18 3.13	14:18 3.13	15:51 1.43	12:49 9.31	16:19 1.28	23:41 2.69
		22:40 1.3	22:38 -2.59	22:38 -2.59	19:18 9.33	22:17 8.33	20:32 -1.61	21:43 8.6	20:10 9.72	20:10 9.72	20:10 9.72	22:45 9.86	19:27 0.69	23:27 12.04	
Percent coverage		88%	39%	91%	82%	85%	84%	95%	39%	47%	71%	97%	95%	92%	75%

Criteria are considered goals.

**Table C-3
Storm Field Summary Report for OF237A New WY2017**

	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	Storm 12
Start of Rainfall		10/6/2016 17:40:00	10/12/2016 23:30:00	11/5/2016 4:15:00	11/14/2016 22:30:00	12/3/2016 16:45:00	12/19/2016 2:35:00	1/17/2017 3:50:00	2/26/2017 3:20:00	3/17/2017 11:30:00	4/4/2017 18:15:00	5/4/2017 15:35:00	6/15/2017 4:05:00
End of Rainfall		10/7/2016 5:25:00	10/15/2016 18:35:00	11/6/2016 5:45:00	11/15/2016 8:30:00	12/4/2016 1:25:00	12/19/2016 7:35:00	1/18/2017 10:40:00	2/26/2017 19:25:00	3/18/2017 9:40:00	4/5/2017 14:30:00	5/4/2017 23:20:00	6/16/2017 2:15:00
Antecedent Dry Period (hours)	<0.02 in 24 hours	30.17	77.08	50.08	16.42	31.33	147.17	159.08	60.75	42.08	71.33	32.25	128.67
Total Rainfall (inches)	>0.2	0.24	3.94	1.66	0.9	0.33	0.28	1.93	0.26	0.99	0.64	0.33	0.72
Rainfall Duration (hours)		11.67	67.00	25.42	9.92	8.67	5.00	30.83	16.00	22.17	20.25	7.75	22.08
Start of Storm Flow		10/6/16 20:00	10/13/16 0:15	11/5/16 4:15	11/14/16 22:30	12/3/16 17:15	12/19/16 2:30	1/17/17 10:00	2/26/17 4:00	3/17/17 11:45	4/4/17 18:45	5/4/17 15:30	6/15/2017 4:00
End of Storm Flow		10/7/16 8:00	10/15/16 21:15	11/6/16 0:15	11/15/16 11:15	12/4/16 5:30	12/19/16 7:45	1/18/17 12:15	2/26/17 21:30	3/18/17 11:30	4/5/17 16:30	5/4/17 22:15	6/16/2017 6:00
Total Volume of Storm Runoff (cf)		798,692	14,428,402	5,516,820	3,545,798	1,344,530	529,622	6,433,974	971,956	3,579,105	1,658,182	724,585	2,443,487
Duration of storm runoff (hours)		12.00	68.75	20.33	12.75	12.25	5.25	26.25	17.25	23.75	21.25	6.75	26.00
Flow Calculation (method)	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity
Flow Range (cfs) Avg		18.49	58.30	75.38	77.25	30.49	28.02	68.08	15.65	41.86	21.68	29.82	26.11
Flow Range (cfs) Max		78.64	302.47	314.22	323.81	72.17	53.02	229.76	33.68	113.31	50.4	160.0	120.1
Volume Sampled (cf)	>75% of Storm Volume Sampled	515,247	11,164,382	3,733,151	2,895,012	730,160	477,876	5,474,359	733,333	4,056,301	1,588,308	418,425	1,926,025
Sample Type (Flow/Time Composite)		Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow
Start of Event		10/6/2016 22:00:00	10/13/2016 1:30:00	11/5/2016 5:30:00	11/14/2016 23:30:00	12/3/2016 18:00:00	12/19/2016 3:45:00	1/17/2017 11:45:00	2/26/2017 7:00:00	3/17/2017 12:00:00	4/4/2017 19:15:00	5/4/2017 15:45:00	6/15/2017 6:00:00
End of Event		10/7/2016 7:26:00	10/15/2016 5:11:00	11/6/2016 1:31:00	11/15/2016 9:12:00	12/3/2016 23:51:00	12/19/2016 7:25:00	1/18/2017 7:44:00	2/26/2017 18:57:00	3/19/2017 0:11:00	4/6/2017 16:45:00	5/4/2017 18:00:00	6/16/2017 2:43:00
Sampling Duration (hours)	>2*Time of Concentration up to 24 hours	9.4	51.7	20.0	9.7	5.9	3.7	20.0	12.0	36.2	45.5	2.3	20.7
Aliquots Compositied	>10	16	48	36	42	48	13	40	48	32	36	16	31
Conductivity Range (uS/cm)	<2,000	28.3 - 140.8	34 - 74	23 - 116	20.4 - 216.1	41 - 140	204 - 984	65.8 - 181.2	175.9 - 556.0	33.7 - 212.0	59.8 - 117.9	31.7 - 67.3	28.8 - 159.5
Tidal Window Time (24:00) Stage (feet)		10/6/2016 02:35 0.63 09:31 10.63 15:20 6.07 20:39 9.59 10/7/2016 03:19 0.85 10:25 10.47 16:20 6.53 21:63 9.09	10/13/2016 03:00 9.9 09:08 1.69 15:42 11.84 22:02 2.64 10/14/2016 03:53 10.66 09:58 1.86 16:15 12.17 22:40 1.3	11/5/2016 02:42 0.08 09:58 11.57 16:02 6.79 20:43 9.01 11/6/2016 02:29 0.59 09:50 11.49 16:06 6.63 20:44 8.56	11/13/2016 06:45 11.45 09:23 4.46 15:06 12.78 21:56 -1.7 11/14/2016 04:39 12.17 10:15 5.01 15:45 12.75 22:38 -2.59	12/3/2016 00:35 -0.84 07:52 12.42 13:45 6.86 18:28 9.77 12/4/2016 01:15 -0.42 08:32 12.45 14:36 6.63 19:18 9.33	12/19/2016 02:12 0.26 09:26 13.01 15:56 5.22 20:54 8.88 12/20/2016 03:05 1.76 10:13 12.7 17:02 4.45 22:17 8.33	1/17/2017 01:47 0.89 08:45 12.98 15:11 4.5 20:31 9.61 1/18/2017 02:33 2.37 09:24 12.6 16:07 3.91 21:43 8.6	2/26/2017 05:14 12.2 11:04 4.77 16:28 11.25 22:58 -0.28 2/27/2017 05:42 12.45 11:39 3.89 17:14 11.37 23:38 0.18	3/17/2017 2:40 4.47 08:36 11.12 15:08 1.39 21:45 10.11 3/18/2017 03:26 5.46 09:13 10.54 15:51 1.43 22:45 9.86	4/4/2017 12:40 10.89 06:28 6.73 11:22 9.63 18:17 0.28 4/5/2017 01:58 11.14 07:58 6.17 12:49 9.31 19:27 0.69	5/4/2017 01:17 11.76 07:46 4.94 12:47 8.50 18:56 1.61 5/5/2017 02:11 11.83 08:45 3.80 14:13 8.75 20:04 2.36	6/15/2017 04:13 5.93 08:57 8.68 15:30 0.33 22:44 12.04 6/16/2017 05:09 5.27 10:01 8.26 16:19 1.28 23:27 12.04
Percent coverage		65%	77%	68%	82%	54%	90%	85%	75%	113%	96%	58%	79%

Criteria are considered goals.

**Table C-4
Storm Field Summary Report for OF237B WY2017**

	Storm Flow Criteria	Rejected Storm	Storm 1	Storm 2	Storm 3	Storm 4	Storm 5	Storm 6	Storm 7 Full	Storm 7 Partial	Storm 8 Full	Storm 8 Partial	Storm 9	Storm 10	Storm 11
Start of Rainfall		10/12/2016 23:30	11/5/2016 4:15	11/14/2016 22:30	12/3/2016 16:45	1/8/2017 10:05	1/17/2017 3:50	2/3/2017 5:05	2/14/2017 19:40	2/14/2017 19:40	3/17/2017 11:30	3/17/2017 11:30	4/4/2017 18:15	6/15/2017 4:05	9/18/2017 3:15
End of Rainfall		10/15/2016 18:35	11/6/2016 0:00	11/15/2016 8:30	12/4/2016 1:25	1/8/2017 21:05	1/18/2017 10:30	2/6/2017 2:05	2/16/2017 4:45	2/15/2017 15:40	3/18/2017 9:45	3/17/2017 22:50	4/5/2017 2:35	6/16/2017 2:15	9/19/2017 12:55
Antecedent Dry Period (hours)	<0.02 in 24 hours	77.08	50.08	16.42	31.33	184.00	159.08	293.58	97.83	97.83	42.08	42.08	71.33	128.67	12.75 846.17 (0.04)
Total Rainfall (inches)	>0.2	3.94	1.66	0.9	0.33	0.42	1.93	2.75	2.28	1.44	0.99	0.58	0.64	0.72	0.29
Rainfall Duration (hours)		67.00	25.42	9.92	8.58	10.92	30.67	68.92	33.00	20.00	22.17	11.33	20.25	22.08	12.83
Total Volume of Storm Runoff (cf)			3,347,080	2,740,699	987,773	862,900	4,488,462	5,770,185	6,369,824	2,759,389	3,021,507	1,485,564	1,358,425	1,640,554	3/2/23 14:38
Start of Storm Flow			11/5/16 4:15	11/14/16 23:00	12/3/16 17:30	1/8/17 10:15	1/17/17 8:15	2/3/17 5:30	2/14/17 20:15	2/14/17 20:15	3/17/17 12:00	3/17/17 12:00	4/4/17 19:00	6/15/17 4:30	9/18/17 3:15
End of Storm Flow			11/6/16 2:15	11/15/16 12:15	12/4/16 7:30	1/8/17 23:45	1/18/17 19:00	2/6/17 3:00	2/16/17 17:15	2/15/17 18:00	3/18/17 17:00	3/18/17 2:30	4/5/17 17:15	6/16/17 3:30	9/19/17 6:45
Duration of storm runoff (hours)			22.00	13.25	14.00	13.50	34.75	69.50	45.00	21.75	29.00	14.50	22.25	23.00	27.50
Flow Calculation (method)			Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity
Flow Range (cfs) Avg			42.26	57.46	19.60	17.76	35.88	23.06	39.32	35.24	28.94	28.46	16.96	19.8	12.3
Flow Range (cfs) Max			163.9	274.19	45.73	45.46	130.52	67.63	168.85	168.85	78.90	78.90	32.5	77	21
Volume Sampled (cf)	>75% of Storm Volume Sampled		3,313,902	2,637,975	532,381	744,891	4,100,349	2,528,938	2,524,517	2,524,517	1,630,080	1,630,080	1,187,562	1,341,672	1,163,761
Sample Type (Flow/Time Composite)			Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow
Start of Event			11/5/2016 4:15	11/14/2016 23:00	12/3/2016 17:30	1/8/2017 10:29	1/17/2017 12:15	2/3/2017 6:23	2/14/2017 20:15	2/14/2017 20:15	3/17/2017 8:09	3/17/2017 8:09	4/4/2017 19:00	6/15/2017 8:22	9/18/2017 3:21
End of Event			11/6/2016 1:51	11/15/2016 11:02	12/4/2016 1:18	1/8/2017 21:15	1/18/2017 16:09	2/4/2017 15:27	2/15/2017 15:50	2/15/2017 15:50	3/18/2017 2:07	3/18/2017 2:07	4/5/2017 13:40	6/16/2017 0:31	9/19/2017 5:50
Sampling Duration (hours)	>2*Time of Concentration up to 24 hours		21.60	12.03	7.80	10.77	27.90	33.07	19.58	19.58	17.97	17.97	18.67	16.15	26.48
Aliquots Composited	>10		38	45	36	11	32	47	48	48	17	17	22	15	48
Conductivity Range (uS/cm)	<2,000		44 - 197	23.89 - 122.8	66 - 235	171 - 858	62.9 - 217.7	72.5 - 306.0	61.4 - 276.0	61.4 - 276.0	94.3 - 167.3	94.3 - 167.3	106 - 178	49.0 - 121.6	190 - 264
Tidal Window Time (24:00) Stage (feet)			11/5/2016 02:42 0.08 09:58 11.57 16:02 6.79 20:43 9.01 11/6/2016 2:29 0.59 09:50 11.49 16:09 6.63 20:44 8.56	11/15/2016 05:31 12.67 11:07 5.55 16:27 12.52 23:22 -3.02 11/16/2016 06:24 12.95 12:00 6.01 17:12 12.07	12/3/2016 12:35 -0.84 07:52 12.42 13:45 6.86 18:28 9.77 12/4/2016 01:15 -0.42 08:32 12.45 14:36 6.63 19:18 9.33	1/8/2017 01:40 9.6 06:35 6.49 12:30 12.49 19:42 -0.51 1/9/2017 02:55 10.65 07:54 7.09 13:21 12.44 20:32 -1.61	1/17/2017 01:47 0.89 08:45 12.98 15:11 4.5 20:31 9.16 1/18/2017 02:33 2.37 09:24 12.6 16:07 3.91 21:43 8.6	2/3/2017 02:49 3.59 09:21 12.62 16:12 1.94 22:22 9.16 2/4/2017 03:47 5.16 10:08 12.28 17:13 1.1	2/14/2017 12:54 0.79 07:21 12.74 13:35 3.54 19:15 10.22 2/15/2017 01:21 2.0 07:54 12.43 14:18 3.13 20:10 9.72	2/14/2017 12:54 0.79 07:21 12.74 13:35 3.54 19:15 10.22 2/15/2017 01:21 2.0 07:54 12.43 14:18 3.13 20:10 9.72	3/17/2017 02:40 4.47 08:36 11.12 15:08 1.39 21:45 10.11 3/18/2017 03:26 5.46 09:13 10.54 15:51 1.43 22:45 9.86	3/17/2017 02:40 4.47 08:36 11.12 15:08 1.39 21:45 10.11 3/18/2017 03:26 5.46 09:13 10.54 15:51 1.43 22:45 9.86	4/4/2017 12:40 10.89 06:28 6.73 11:22 9.63 18:17 0.28 4/5/2017 01:58 11.14 07:58 6.17 12:49 9.31 19:27 0.69	6/15/2017 04:13 5.93 08:57 8.68 15:30 0.33 22:44 12.04 6/16/2017 05:09 5.27 10:01 8.26 16:19 1.28 23:27 12.04	9/18/2017 03:44 10.67 10:11 -0.21 17:01 11.98 23:02 3.52 04:38 10.95 10:58 0.15 17:33 12.08 23:41 2.69
Percent coverage			99%	96%	54%	86%	91%	44%	40%	91%	54%	110%	87%	82%	96%

Criteria are considered goals.

**Table C-5
Storm Field Summary Report for OF243 WY2017**

	Storm Flow Criteria	Storm 1	Storm 2	Storm 3	Storm 4	Storm 5	Storm 6 Full	Storm 6 Partial	Storm 7
Start of Rainfall		10/6/2016 17:40	11/5/2016 4:15	11/14/2016 22:30	12/3/2016 16:45	12/19/2016 2:35	2/3/2017 5:05	2/3/2017 5:05	3/17/2017 11:30
End of Rainfall		10/7/2016 5:25	11/6/2016 5:45	11/15/2016 8:30	12/4/2016 13:25	12/19/2016 7:35	2/6/2017 2:05	2/4/2017 3:10	3/18/2017 9:45
Antecedent Dry Period (hours)	<0.02 in 24 hours	30.17	50.08	16.42	31.33	147.17	293.58	293.58	42.08
Total Rainfall (inches)	>0.2	0.24	1.66	0.90	0.33	0.28	2.75	0.70	0.99
Rainfall Duration (hours)		11.75	25.50	10.00	8.58	5.00	69.00	22.08	22.25
Start of Storm Flow		10/6/16 22:15	11/5/16 4:15	11/14/16 23:30	12/3/16 21:30	12/19/16 2:30	2/3/17 12:15	2/3/17 12:15	3/17/17 12:45
End of Storm Flow		10/7/16 3:45	11/6/16 2:30	11/15/16 8:00	12/4/16 4:45	12/19/16 6:15	2/5/17 22:00	2/4/17 4:30	3/18/17 9:00
Total Volume of Storm Runoff (cf)		11,354	71,042	21,121	20,039	4,102	152,359	40,785	15,520
Duration of storm runoff (hours)		5.5	10.5	5.00	7.25	3.25	24.50	11.50	5.50
Flow Calculation (method)		Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity
Flow Range (cfs) Avg		0.57	1.88	1.17	0.77	0.35	1.73	0.99	0.78
Flow Range (cfs) Max		1.99	4.80	4.66	1.06	1.29	1.01	1.01	1.03
Volume Sampled (cf)		5,375	36,516	9,543	18,899	2,672	4,913	4,913	6,564
Sample Type (Flow/Time Composite)		Time	Time	Time	Time	Time	Time	Time	Time
Start of Event		10/6/2016 23:15	11/5/2016 5:00	11/15/2016 6:15	12/3/2016 22:10	12/19/2016 4:15	2/3/2017 19:00	2/3/2017 19:00	3/17/2017 15:45
End of Event		10/7/2016 5:55	11/5/2016 21:30	11/15/2016 13:35	12/4/2016 4:50	12/19/2016 6:35	2/4/2017 3:15	2/4/2017 3:15	3/18/2017 5:15
Sampling Duration (hours)	>2*Time of Concentration up to 24 hours	6.7	16.5	7.3	6.7	2.3	8.3	8.3	13.5
Aliquots Composited	>10	40	48	44	40	11	48	48	40
Conductivity Range (uS/cm)	<5,000	10,900 - 15,450	1,973 - 7,100	2,242 - 3,840	7,450 - 4,230	9,950 - 7,040	3,900 - 10,780	3,900 - 10,780	1,002 - 9,610
Tidal Window Time (24:00) Stage (feet)		10/6/2016 02:35 0.63 09:31 10.63 15:20 6.07 20:39 9.59 10/7/2016 03:19 0.85 10:25 10.47 16:20 6.53 21:26 9.09	11/5/2016 02:42 0.08 09:58 11.57 16:02 6.79 20:43 9.01 11/6/2016 02:29 0.59 09:50 11.49 16:09 6.63 20:44 8.56	11/14/2016 04:39 12.17 10:15 5.01 15:45 12.75 22:38 -2.59 11/15/2016 05:31 12.67 11:07 5.55 16:27 12.52 23:22 -3.02	12/3/2016 12:35 -0.84 07:52 12.42 13:45 6.86 18:28 9.77 12/4/2016 01:15 -0.42 08:32 12.45 14:36 6.63 19:18 9.33	12/19/2016 02:12 0.26 09:26 13.01 15:56 5.22 20:54 8.88 12/20/2016 03:05 1.76 10:13 12.7 17:02 4.45 22:17 8.33	2/3/2017 02:48 3.59 09:21 12.62 16:12 1.94 22:22 9.16 2/4/2017 03:47 5.16 10:08 12.28 17:13 1.1	2/3/2017 02:48 3.59 09:21 12.62 16:12 1.94 22:22 9.16 2/4/2017 03:47 5.16 10:08 12.28 17:13 1.1	3/17/2017 02:40 4.47 08:36 11.12 15:08 1.39 21:45 10.11 3/18/2017 03:26 5.46 09:13 10.54 15:51 1.43 22:45 9.86
Percent coverage		47%	51%	45%	94%	65%	3%	12%	42%

Criteria are considered goals.

**Table C-6
Storm Field Summary Report for OF245 WY2017**

	Storm Flow Criteria	Storm 1	Storm 2	Storm 3	Storm 4	Storm 5	Storm 6	Storm 7	Storm 8	Storm 9 Full	Storm 9 Partial	Storm 10	Storm 11 Full	Storm 11 Partial	Storm 12	Storm 13
Start of Rainfall		10/6/2016 17:40	10/19/2016 15:20	11/5/2016 4:15	11/14/2016 22:30	12/3/2016 16:45	12/19/2016 2:35	1/8/2017 10:05	1/17/2017 3:50	2/3/2017 5:05	2/3/2017 5:05	3/17/2017 11:30	4/4/2017 18:15	4/4/2017 18:15	5/4/2017 15:35	6/15/2017 4:05
End of Rainfall		10/7/2016 5:25	10/20/2016 10:55	11/6/2016 5:45	11/15/2016 8:30	12/4/2016 13:25	12/19/2016 7:35	1/8/2017 21:05	1/18/2017 10:40	2/6/2017 2:05	2/3/2017 20:20	3/18/2017 9:40	4/5/2017 14:30	4/5/2017 6:30	5/4/2017 23:20	6/16/2017 2:15
Antecedent Dry Period (hours)	<0.02 in 24 hours	30.17	34.17	50.08	16.42	31.33	147.17	184.00	159.08	293.58	293.58	42.08	71.33	71.33	32.25	128.67
Total Rainfall (inches)	>0.2	0.24	1.32	1.66	0.9	0.33	0.28	0.42	1.93	2.75	0.53	0.99	0.64	0.42	0.33	0.72
Rainfall Duration (hours)		11.67	19.50	25.42	9.92	8.58	5.00	10.92	30.83	69.00	15.25	22.17	20.25	12.25	7.75	22.08
Start of Storm Flow		10/6/16 21:00	10/19/16 20:15	11/5/16 4:30	11/14/16 22:30	12/3/16 17:15	12/19/16 2:15	1/8/17 12:30	1/17/17 11:15	2/3/17 6:00	2/3/17 6:00	3/17/17 11:45	4/4/17 18:15	4/4/17 18:15	5/4/17 15:30	6/15/17 7:00
End of Storm Flow		10/7/16 1:45	10/20/16 12:15	11/6/16 4:45	11/15/16 10:45	12/4/16 3:45	12/19/16 6:30	1/8/17 22:30	1/18/17 11:00	2/6/17 3:45	2/4/17 0:30	3/18/17 11:30	4/5/17 17:30	4/5/17 7:30	5/4/17 21:45	6/16/17 3:15
Total Volume of Storm Runoff (cf)		16,411	117,322	152,786	92,681	38,090	12,034	32,444	160,817	239,643	59,103	84,698	58,891	34,105	21,760	40,732
Duration of storm event (hours)		10.92	8.00	22.75	11.25	10.00	4.25	9.75	20.00	46.75	17.75	17.25	18.75	9.50	6.25	14.50
Flow Calculation (method)	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity
Flow Range (cfs) Avg		0.42	4.07	1.87	2.29	1.06	0.79	0.92	2.23	1.42	0.92	1.36	0.87	1.00	0.97	0.78
Flow Range (cfs) Max		4.57	10.46	9.57	6.30	2.16	2.30	3.64	7.20	6.64	6.64	5.01	2.17	2.17	7.31	2.91
Volume Sampled (cf)	>75% of Storm Volume Sampled	12,556	77,243	70,880	73,729	29,175	11,771	25,030	135,243	35,639	36,466	78,579	30,349	30,349	27,613	29,328
Sample Type (Flow/Time Composite)		Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow
Start of Event		10/6/2016 22:00	10/19/2016 20:30	11/5/2016 4:45	11/14/2016 23:00	12/3/2016 19:50	12/19/2016 3:15	1/8/2017 13:25	1/17/2017 12:00	2/3/2017 11:40	2/3/2017 11:40	3/17/2017 12:15	4/4/2017 18:30	4/4/2017 18:30	5/4/2017 15:45	6/15/2017 8:00
End of Event		10/7/2016 0:55	10/20/2016 5:30	11/5/2016 14:45	11/15/2016 8:15	12/4/2016 2:40	12/19/2016 6:25	1/8/2017 21:55	1/18/2017 4:45	2/3/2017 20:30	2/3/2017 20:30	3/18/2017 13:35	4/5/2017 6:45	4/5/2017 6:45	5/5/2017 4:25	6/15/2017 22:30
Sampling Duration (hours)	>2*Time of Concentration up to 24 hours	2.9	9.0	10.0	9.2	6.8	3.2	8.5	16.7	8.8	8.8	25.3	12.2	12.2	12.7	14.5
Aliquots Composited	>10	13	48	48	48	38	19	39	48	44	44	43	48	48	38	48
Conductivity Range (uS/cm)	<2,000	91 - 1,199	19.5 - 481.0	19 - 720	11 - 3460	62.7 - 1,333	85 - 1138	121.3 - 380	41 - 2733	104.9 - 2605	104.9 - 2605	18.90 - 392.0	89.3 - 1,123	89.3 - 1,123	11.9 - 2,812	50.8 - 1,944
Tidal Window		10/6/2016	10/19/2016	11/5/2016	11/14/2016	12/3/2016	12/19/2016	1/8/2017	1/17/2017	2/3/2017	2/3/2017	3/17/2017	4/4/2017	4/4/2017	5/4/2017	6/15/2017
Time (24:00) Stage (feet)		02:35 0.63	01:29 -2.03	02:42 0.08	04:39 12.17	12:35 -0.84	02:12 0.26	01:40 9.6	01:47 0.89	02:49 3.59	02:49 3.59	02:40 4.47	12:40 10.89	12:40 10.89	01:17 11.76	04:13 5.93
		09:31 10.63	08:21 12.27	09:58 11.57	10:15 5.01	07:52 12.42	09:26 13.01	06:35 6.49	08:45 12.98	09:21 12.62	09:21 12.62	08:36 11.12	06:28 6.73	06:28 6.73	07:46 4.94	08:57 8.68
		15:20 6.07	14:03 5.32	16:02 6.79	15:45 12.75	13:45 6.86	15:56 5.22	12:30 12.49	15:11 4.5	16:12 1.94	16:12 1.94	15:08 1.39	11:22 9.63	11:22 9.63	12:47 8.50	15:30 0.33
		20:39 9.59	19:28 11.57	20:43 9.01	22L38 -2.59	18:28 9.77	20:54 8.88	19:42 -0.51	20:31 9.61	22:22 9.16	22:22 9.16	21:45 10.11	18:17 0.28	18:17 0.28	18:56 1.61	22:44 12.04
		10/7/2016	10/20/2016	11/6/2016	11/15/2016	12/4/2016	12/20/2016	1/9/2017	1/18/2017	2/4/2017	2/4/2017	3/18/2017	4/5/2017	4/5/2017	5/5/2017	6/16/2017
		03:19 0.85	02:19 -1.84	02:29 0.59	05:31 12.67	01:15 -0.42	03:05 1.76	02:55 10.65	02:33 2.37	03:47 5.16	03:47 5.16	03:26 5.46	01:58 11.14	01:58 11.14	02:11 11.83	05:09 5.27
		10:25 10.47	09:22 12.06	09:50 11.49	11:07 5.55	08:32 12.45	10:13 12.7	07:54 7.09	09:24 12.6	10:08 12.28	10:08 12.28	09:13 10.54	07:58 6.17	07:58 6.17	08:45 3.80	10:01 8.26
		16:20 6.53	15:05 6.01	16:06 6.63	16:27 12.52	14:36 6.63	17:02 4.45	13:21 12.44	16:07 3.91	17:13 1.1	17:13 1.1	15:51 1.43	12:49 9.31	12:49 9.31	14:13 8.75	16:19 1.28
		21:63 9.09	20:20 10.84	20:44 8.56	23:22 -3.02	19:18 9.33	22:17 8.33	20:32 -1.61	21:43 8.6			22:45 9.86	19:27 0.69	19:27 0.69	20:04 2.36	23:27 12.04
Percent coverage		77%	66%	46%	80%	77%	98%	77%	84%	15%	62%	93%	52%	89%	127%	72%

Criteria are considered goals.

**Table C-7
Storm Field Summary Report for OF254 WY2017**

	Storm Flow Criteria	Storm 1	Storm 2	Storm 3	Storm 4	Storm 5	Storm 6	Storm 7 Full	Storm 7 Partial	Storm 8 Full	Storm 8 Partial	Storm 9	Storm 10
Start of Rainfall		10/6/2016 17:40	11/5/2016 4:15	11/14/2016 22:30	12/3/2016 16:45	12/19/2016 2:35	1/8/2017 10:05	2/3/2017 5:05	2/3/2017 5:05	3/17/2017 11:30	3/17/2017 11:30	5/4/2017 15:35	6/7/2017 23:05
End of Rainfall		10/7/2016 5:25	11/6/2016 5:45	11/15/2016 8:30	12/4/2016 1:25	12/19/2016 7:35	1/8/2017 21:05	2/6/2017 2:05	2/3/2017 23:20	3/18/2017 9:45	3/17/2017 22:50	5/4/2017 11:25	6/8/2017 11:00
Antecedent Dry Period (hours)	<0.02 in 24 hours	30.17	50.08	16.42	31.33	147.17	184.00	293.58	293.58	42.08	42.08	32.25	41.83
Total Rainfall (inches)	>0.2	0.24	1.66	0.9	0.33	0.28	0.42	2.75	0.7	0.99	0.58	0.33	0.32
Rainfall Duration (hours)		11.67	25.42	9.92	8.58	4.92	10.92	68.92	18.25	22.17	11.33	7.75	11.83
Start of Storm Flow		10/6/16 21:45	11/5/16 4:30	11/14/16 23:00	12/3/16 19:45	12/19/16 3:00	1/8/17 13:15	2/3/17 14:00	2/3/17 14:00	3/17/17 11:15	3/17/17 11:30	5/4/17 15:45	6/7/17 18:00
End of Storm Flow		10/7/16 6:00	11/5/16 22:30	11/15/16 12:15	12/4/16 4:15	12/19/16 7:00	1/8/17 22:45	2/6/17 3:05	2/4/17 5:45	3/18/17 15:15	3/18/17 3:45	5/4/17 21:00	6/8/17 13:15
Total Volume of Storm Runoff (cf)		45,893	486,079	230,350	73,896	19,619	143,100	668,006	193,036	273,102	111,961	52,607	46,205
Duration of storm runoff (hours)		7.00	15.00	11.00	7.50	4.00	9.25	41.58	15.50	23.25	13.50	5.25	9.75
Flow Calculation (method)	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity
Flow Range (cfs) Avg		1.82	9.00	5.82	2.74	1.36	4.30	4.46	3.46	3.26	2.30	2.78	1.32
Flow Range (cfs) Max		8.88	35.35	32.47	6.31	2.92	11.00	17.19	17.19	5.92	5.92	18.28	4.9
Volume Sampled (cf)	>75% of Storm Volume Sampled	24,358	303,342	170,463	59,766	19,045	71,436	98,106	98,106	106,607	106,607	48,334	23,393
Sample Type (Flow/Time Composite)		Time	Time	Time	Time	Time	Time	Time	Time	Time	Time	Time	Time
Start of Event		10/6/2016 23:00	11/5/2016 7:45	11/15/2016 0:00	12/3/2016 21:30	12/19/2016 3:15	1/8/2017 14:30	2/3/2017 15:00	2/3/2017 15:00	3/17/2017 11:45	3/17/2017 11:45	5/4/2017 16:15	6/7/2017 7:00
End of Event		10/7/2016 4:40	11/5/2016 16:00	11/15/2016 8:30	12/4/2016 2:10	12/19/2016 6:35	1/8/2017 22:25	2/4/2017 0:15	2/4/2017 0:15	3/18/2017 2:45	3/18/2017 2:45	5/4/2017 21:25	6/8/2017 13:00
Sampling Duration (hours)	>2*Time of Concentration up to 24 hours	5.7	8.3	8.5	4.7	3.3	7.9	9.2	9.2	15.0	15.0	5.2	30.0
Aliquots Composited	>10	34	48	48	28	20	28	48	48	44	44	16	36
Conductivity Range (uS/cm)	<5,000	3,086 - 14,950	389 - 7,320	51 - 4,610	3,410 - 7,120	4,280 - 14,430	17,500 - 19,265	4,430 - 22,270	4,430 - 22,270	721 - 7,400	721 - 7,400	2,667 - 6,680	9,340 - 5,260
Tidal Window		10/6/2016	11/5/2016	11/14/2016	12/3/2016	12/19/2016	1/8/2017	2/3/2017	2/3/2017	3/17/2017	3/17/2017	5/4/2017	6/7/2017
Time (24:00) Stage (feet)		02:35 0.63 09:31 10.63 15:20 6.07 20:39 9.59 10/7/2016 03:19 0.85 10:25 10.47 16:20 6.53 21:26 9.09	02:42 0.08 09:58 11.57 16:02 6.79 20:43 9.01 11/6/2016 02:29 0.59 09:50 11.49 16:06 6.63 20:44 8.56	04:39 12.17 10:15 5.01 15:45 12.75 22:38 -2.59 11/15/2016 05:31 12.67 11:07 5.55 16:27 12.52 23:22 -3.02	12:35 -0.84 07:52 12.42 13:45 6.86 18:28 9.77 12/4/2016 01:15 -0.42 08:32 12.45 14:36 6.63 19:18 9.33	02:12 0.26 09:26 13.01 15:56 5.22 20:54 8.88 12/20/2016 03:05 1.76 10:13 12.7 17:02 4.45 22:17 8.33	01:40 9.6 06:35 6.49 12:30 12.49 19:42 -0.51 1/9/2017 02:55 10.65 07:54 7.09 13:21 12.44 20:32 -1.61	09:21 12.62 16:12 1.94 22:22 9.16 2/4/2017 03:47 5.16 10:08 12.28 17:13 1.1	09:21 12.62 16:12 1.94 22:22 9.16 2/4/2017 03:47 5.16 10:08 12.28 17:13 1.1	02:40 4.47 08:36 11.12 15:08 1.39 21:45 10.11 3/18/2017 03:26 5.46 09:13 10.54 15:51 1.43 22:45 9.86	02:40 4.47 08:36 11.12 15:08 1.39 21:45 10.11 3/18/2017 03:26 5.46 09:13 10.54 15:51 1.43 22:45 9.86	01:17 11.76 07:46 4.94 12:47 8.50 18:56 1.61 5/5/2017 02:11 11.83 08:45 3.80 14:13 8.75 20:04 2.36	03:47 11.19 10:45 -0.60 17:59 10.86 23:15 6.22 6/8/2017 04:18 10.92 11:14 -1.02 18:36 11.23 23:57 6.51
Percent coverage		53%	62%	74%	81%	97%	50%	15%	51%	39%	95%	92%	51%

Criteria are considered goals.
N/A = Not Applicable

**Table C-8
Field and Hydrologic Data Summary for Outfall 230 Baseflow
Water Year 2016**

	Baseflow Criteria¹	Baseflow 1	Baseflow 2	Baseflow 3	Baseflow 4
Start of Event		3/31/2016 4:30	7/25/2016 11:00	8/22/2016 23:15	9/13/2016 4:00
End of Event		3/31/2016 20:30	7/26/2016 18:00	8/24/2016 7:00	9/14/2016 12:15
Sampling Duration (hours)	>4	15.78	26.50	16.63	23.28
Duration of Baseflow		9.0	9.25	18.5	18.5
Total Rainfall (inches)	<0.02	0	0	0.02	0
Last rainfall of .01		3/27/2016 0:20	7/22/2016 5:30	8/22/2016 7:55	9/7/2016 16:10
Antecedent Dry Period (hours)	<0.02 in 24 hours	100.3	78.0	15.7	134.2
Flow Calculation (method)		Manning	Manning	Manning	Manning
Flow Range (cfs)	Avg/Max	0.60 / 0.74	0.63 / 0.96	0.85 / 1.11	0.71 / 0.96
Volume (cf)		19,663	60,315	57,200	47,413
Sampled Volume (cf)		15,096	44,527	54,980	18,856
Sample Type (Flow/Time Composite)		Flow	Flow	Flow	Flow
Sample Start		3/31/2016 4:37	7/25/2016 11:28	8/22/2016 23:38	9/13/2016 6:21
Sample Stop		3/31/2016 20:24	7/26/2016 13:58	8/23/2016 16:16	9/14/2016 5:38
Aliquots Composited	>10	47	48	28	16
Conductivity Range (uhmos)	<2,000	367 - 415	182.9 - 209.4	368 - 7,430	237 - 361
Tidal Window		Yes	Yes	Yes	Yes
Date		3/30/2016	7/26/2016	8/22/2016	9/13/2016
Time (24:00) Stage (feet)		04:22 6.54	03:53 3.1	20:48 12.31	02:20 9.62
		09:42 9.65	09:28 9.32	8/23/2020	08:54 0.63
		16:32 1.0	15:31 1.91	03:18 1.21	16:03 10.99
		23:46 10.17	22:11 12.48	09:25 10.06	21:56 5.23
		3/31/2016	42578	15:15 3.36	42627
		05:34 6.89	04:51 2.2	21:31 12.01	03:12 10.17
		10:38 9.24	10:43 8.85	09:42 0.27	
		17:31 1.15		16:35 11.4	

¹Criteria are considered goals.

**Table C-9
Field and Hydrologic Data Summary for Outfall 235 Baseflow
Water Year 2016**

	Baseflow Criteria¹	Baseflow 1	Baseflow 2	Baseflow 3	Baseflow 4
Start of Event		5/10/2016 23:45	7/25/2016 23:45	8/15/2016 18:15	9/27/2016 17:30
End of Event		5/11/2016 18:45	7/26/2016 19:15	8/17/2016 1:00	9/28/2016 1:15
Sampling Duration (hours)	>4	18.23	18.50	21.92	19.68
Duration of Baseflow		16.50	7.50	22.25	16.50
Total Rainfall (inches)	<0.02	0	0	0.12	0.01
Last rainfall of .01	<0.02	4/25/2016 3:40	7/22/2016 5:30	8/16/2016 0:20	9/27/2016 6:40
Antecedent Dry Period (hours)	<0.02 in 24 hours	380.7	90.7	-3.0	11.0
Flow Calculation (method)		Manning	Manning	Manning	Manning
Flow Range (cfs)	Avg/Max	1.51 / 1.62	0.42 / 2.1	1.48 / 2.23	1.76 / 1.96
Volume (cf)		89,704	116,600	119,003	104,723
Sampled Volume (cf)		89,742	109,273	116,950	117,861
Sample Type (Flow/Time Composite)		Flow	Flow	Flow	Flow
Sample Start		5/11/2016 0:23	7/26/2016 0:10	8/15/2016 21:18	9/27/2016 17:41
Sample Stop		5/11/2016 18:37	7/26/2016 18:40	8/16/2016 19:13	9/28/2016 13:22
Aliquots Composited	>10	48	42	48	37
Conductivity Range (uhmos)	<2,000	332-348	297 - 342	332 - 343	325 -342
Tidal Window		Yes	Yes	Yes	Yes
Date		5/11/2016	7/26/2016	8/15/2016	9/27/2016
Time (24:00) Stage (feet)		03:33 6.14	03:53 3.1	2:40:00 10.09	02:47 9.85
		08:29 10.04	09:28 9.32	09:30 -0.16	09:06 0.87
		15:15 -1.16	15:31 1.91	16:56 10.84	16:06 11.63
		22:39 12.1	22:11 12.48	22:27 6.3	22:13 3.83
		5/12/2016	7/27/2016	8/16/2016	9/28/2016
		04:48 6.02	04:51 2.2	03:26 10.4	03:45 10.21
		09:33 9.17	10:43 8.85	10:13 -0.68	09:57 1.12
				17:26 11.26	16:39 11.7
				23:02 23:02	22:50 3.05

¹Criteria are considered goals.

Table C-10
Field and Hydrologic Data Summary for Outfall 237A New Baseflow
Water Year 2016

	Baseflow Criteria¹	Baseflow 1	Baseflow 2	Baseflow 3	Baseflow 4	Baseflow 5
Start of Event		3/30/2016 11:45	5/10/2016 22:45	8/15/2016 12:15	9/12/2016 12:00	9/27/2016 16:15
End of Event		3/31/2016 7:45	5/11/2016 19:30	8/16/2016 12:00	9/13/2016 13:00	9/28/2016 14:00
Sampling Duration (hours)	>4	20.07	19.08	23.40	14.25	17.37
Duration of Baseflow		20.25	20.75	23.75	21.25	21.75
Total Rainfall (inches)	<0.02	0	0	0.12	0	0.01
Last rainfall of .01		3/27/2016 0:20	4/25/2016 3:40	8/16/2016 4:15	9/7/2016 16:10	9/27/2016 6:40
Antecedent Dry Period (hours)	<0.02 in 24 hours	103.8	399.9	7.6	132.1	28.2
Flow Calculation (method)		Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity	Area*Velocity
Flow Range (cfs)	Avg/Max	6.32 / 8.26	6.13 / 7.04	6.27 / 6.45	8.26 / 8.67	6.78 / 7.32
Volume (cf)		461,059	458,633	536,463	631,996	527,644
Sampled Volume (cf)		449,401	424,214	444,823	346,582	417,966
Sample Type (Flow/Time Composite)		Flow	Flow	Flow	Flow	Flow
Sample Start		3/30/2016 12:03	5/11/2016 0:29	8/15/2016 12:29	9/12/2016 14:04	9/27/2016 17:28
Sample Stop		3/31/2016 8:07	5/11/2016 19:34	8/16/2016 11:53	9/13/2016 4:19	9/28/2016 10:50
Aliquots Compositing	>10	37	46	48	40	43
Conductivity Range (uhmos)	<2,000	314 - 320	294-330	290 - 296	301 - 326	302 - 312
Tidal Window		Yes	Yes	Yes	Yes	Yes
Date		3/30/2016	5/11/2016	8/16/2016	9/13/2016	9/27/2016
Time (24:00) Stage (feet)		04:22 6.54	03:33 6.14	03:26 10.4	02:20 9.62	02:47 9.85
		09:42 9.65	08:29 10.04	10:13 -0.68	08:54 0.63	09:06 0.87
		16:32 1.0	15:15 -1.16	05:26 11.26	16:03 10.99	16:06 11.63
		23:46 10.17	22:39 12.1	11:02 5.8	09:56 5.23	22:13 3.83
		3/31/2016	5/12/2016	8/17/2016	9/14/2016	9/28/2016
		05:34 6.89	04:48 6.02	04:10 10.75	03:12 10.17	03:45 10.21
		10:38 9.24	09:33 9.17	10:53 -1.03	09:42 0.27	09:57 1.12
		17:31 1.15				16:39 11.7
						22:50 3.05

¹Criteria are considered goals.

**Table C-11
Field and Hydrologic Data Summary for Outfall 237B Baseflow
Water Year 2016**

	Baseflow Criteria¹	Baseflow 1	Baseflow 2	Baseflow 3
Start of Event		3/30/2016 13:15	9/12/2016 12:25	9/28/2016 11:50
End of Event		3/31/2016 14:45	9/13/2016 14:00	9/29/2016 10:35
Sampling Duration (hours)	>4	25	25	23
Duration of Baseflow		25.5	25.6	23.0
Total Rainfall (inches)	<0.02	0	0	0
Last rainfall of .01		3/27/2016 0:20	9/7/2016 16:10	9/27/2016 6:40
Antecedent Dry Period (hours)	<0.02 in 24 hours	85.1	116.4	29.2
Flow Calculation (method)		Area*Velocity	Area*Velocity	Area*Velocity
Flow Range (cfs)	Avg/Max	11.34 / 11.75	8.53 / 9.87	8.33 / 8.61
Volume (cf)		1,041,669	785,657	690,029
Sampled Volume (cf)		1,021,464	775,203	677,609
Sample Type (Flow/Time Composite)		Flow	Flow	Flow
Sample Start		3/30/2016 13:26	9/12/2016 12:35	9/28/2016 11:52
Sample Stop		3/31/2016 14:31	9/13/2016 13:50	9/29/2016 10:34
Aliquots Composited	>10	46	48	48
Conductivity Range (uhmos)	<2,000	261 - 267	232 - 258.9	256 - 262
Tidal Window		Yes	Yes	Yes
Date		3/30/2016	9/13/2016	9/27/2016
Time (24:00) Stage (feet)		04:22 6.54	02:20 9.62	02:47 9.85
		09:42 9.65	08:54 0.63	09:06 0.87
		16:32 1.0	16:03 10.99	16:06 11.63
		23:46 10.17	09:56 5.23	22:13 3.83
		3/31/2016	9/14/2016	9/28/2016
		05:34 6.89	03:12 10.17	03:45 10.21
		10:38 9.24	09:42 0.27	09:57 1.12
		17:31 1.15		16:39 11.7
				22:50 3.05

¹Criteria are considered goals.

**Table C-12
Field and Hydrologic Data Summary for Outfall 243 Baseflow
Water Year 2016**

	Baseflow Criteria¹	Baseflow 1	Baseflow 2	Baseflow 3	Baseflow 4	Baseflow 5	Baseflow 6
Start of Event		3/31/2016 12:45	5/11/2016 10:45	7/26/2016 1:45	8/16/2016 6:15	9/13/2016 5:15	9/27/2016 19:45
End of Event		3/31/2016 20:00	5/11/2016 17:45	7/26/2016 17:45	8/16/2016 12:45	9/13/2016 22:00	9/28/2016 12:00
Sampling Duration (hours)	>4	7.00	7.07	12.38	6.83	14.97	10.90
Duration of Baseflow (hours)		7.25	7.00	9.75	6.50	7.75	10.25
Total Rainfall (inches)	<0.02	0	0	0	0.12	0	0.08
Last rainfall of .01		3/27/2016 0:20	4/25/2016 3:40	7/22/2016 5:30	8/16/2016 4:15	9/7/2016 16:10	9/27/2016 6:40
Antecedent Dry Period (hours)	<0.02 in 24 hours	108.7	391.2	92.4	2.1	134.0	13.2
Flow Calculation (method)		Manning	Manning	Manning	Manning	Manning	Manning
Flow Range (cfs)	Avg/Max	3.73 / 4.49	3.75 / 3.80	4.11 / 4.46	3.94 / 4.00	3.78 / 3.82	4.58 / 8.36
Volume (cf)		97583.44	94,607	144,607	92,427	105,688	169,351
Sampled Volume (cf)		93667.43	91,058	91,636	92,946	74,995	126,479
Sample Type (Flow/Time Composite)		Flow	Flow	Flow	Flow	Flow	Flow
Sample Start		3/31/2016 13:00	5/11/2016 10:54	7/26/2016 1:53	8/16/2016 6:23	9/13/2016 6:09	9/27/2016 19:53
Sample Stop		3/31/2016 20:00	5/11/2016 17:58	7/26/2016 14:16	8/16/2016 13:13	9/13/2016 21:07	9/28/2016 6:47
Aliquots Compositing	>10	44	47	48	48	40	48
Conductivity Range (uhmos)	<2,000	6870 - 11430	18,160-30,400	31,200 - 37,900	27,250 - 36,200	17,280 - 27,400	32,000 - 36,800
Tidal Window		Yes	Yes	Yes	Yes	Yes	Yes
Date		3/30/2016	5/11/2016	7/26/2016	8/16/2016	9/13/2016	9/28/2016
Time (24:00) Stage (feet)		04:22 6.54	03:33 6.14	03:53 3.1	03:26 10.4	02:20 9.62	03:45 10.21
		09:42 9.65	08:29 10.04	09:28 9.32	10:13 -0.68	08:54 0.63	09:57 1.12
		16:32 1.0	15:15 -1.16	15:31 1.91	05:26 11.26	16:03 10.99	04:39 11.7
		23:46 10.17	22:39 12.1	22:11 12.48	11:02 5.8	09:56 5.23	10:50 3.05
		3/31/2016	5/12/2016	7/27/2016	8/17/2016	9/14/2016	9/29/2016
		05:34 6.89	04:48 6.02	04:51 2.2	04:10 10.75	03:12 10.17	04:35 10.52
		10:38 9.24	09:33 9.17	10:43 8.85	10:53 -1.03	09:42 0.27	10:42 1.5
		17:31 1.15					

¹Criteria are considered goals.

**Table C-15
Corrective Actions for WY2017**

Date	Outfall	Issue	Explanation	Corrective Action	Date Corrective Action Performed
10/6/2016	235	battery failure	power failed and prevented sampler from collecting samples	purchase new batteries	10/11/16
10/6/2016	237B	tubing	tubing was pulled from sampler head	installed new tubing	10/11/16
10/12/2016	237B	Telemetry	problem with telemetry caused rapid sampling instead of representative sampling	installed new modem and other equipment	10/12/16
10/16/2016	230	volume	Program done but only 7.25 jars, sampler run time was only 72hrs	reprogrammed to 200 hour run time	10/16/16
10/17/2016	237B	Tubing	Sampler tubing came loose	reattached tubing	10/17/16
10/26/2016	237B	Telemetry	Telemetry down	Re-programmed modem	10/27/16
11/5/2016	235	battery failure	power failed and prevented sampler from collecting samples	kept batteries on charger for two days prior to deployment	01/09/17
1/9/2017	230	tubing	Suction line pulled free	reattached tubing	01/09/17
1/9/2017	237A	Tubing	Tubing broke	Replaced	01/09/17
2/2/2017	237A		Velocity drop outs	Conducted entry to check sensor, new sensor and tubing, calibration	02/22/17
5/5/2017	235	Volume issues	Inconsistent volumes, need to check pump tubing	Checked tubing, found out sampler head was programmed for Mgd rather than gallons	06/13/17
5/5/2017	237B	Programming Error	May be an issue with the campbell code which caused rapid sampling, need to investigate	No error found	05/09/17
5/5/2017	230	Volume issues	Inconsistent volumes, need to check pump tubing and sensor	Replaced sensor and tubing	09/15/17
6/8/2017	243	condo sensor	Short in sensor cable	Replaced cable and sensor	09/01/17
6/8/2017	245	Ammonia Spill	SuperValue discharged ammonia	SuperValue responsible for cleanup	
6/21/2017	245	Ammonia Spill	SuperValue discharged ammonia, performed clean up with Vactor truck	Did entry to check sediment level after clean up of ammonia, replaced sensor and installed new sensor for telemetry	06/21/17