

APPENDIX C

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**Table C-1
Storm Field Summary Report for OF230 WY2022**

| | Storm Flow Criteria | Sample 1 | Sample 2 | Sample 3 | Sample 4 | Sample 5 | Sample 6 | Sample 7 | Sample 8 | Sample 9 | Sample 10 | Sample 11 | Sample 12 |
|--|---|------------------------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|-----------------------|-----------------------|----------------------|-----------------------|-----------------------|----------------------|
| Start of Rainfall | | 10/21/2021 17:30:00 | 11/8/2021 23:55:00 | 11/18/2021 14:30:00 | 12/4/2021 6:10:00 | 12/17/2021 18:15:00 | 1/19/2022 23:30:00 | 2/26/2022 15:15:00 | 3/14/2022 9:55:00 | 4/3/2022 19:50:00 | 4/18/2022 11:30:00 | 5/15/2022 2:00:00 | 6/9/2022 5:25:00 |
| End of Rainfall | | 10/22/2021 0:35:00 | 11/9/2021 5:50:00 | 11/19/2021 6:45:00 | 12/4/2021 17:15:00 | 12/18/2021 16:10:00 | 1/20/2022 12:45:00 | 3/1/2022 10:20:00 | 3/15/2022 15:35:00 | 4/4/2022 16:55:00 | 4/19/2022 12:35:00 | 5/15/2022 21:55:00 | 6/9/2022 23:30:00 |
| Antecedent Dry Period (hours) | <0.02 in 24 hours | 34.25 | 32.67 | 73.58 | 91.5 | 40.42 | 158 | 127.17 | 10.75 | 268.58 | 43.92 | 14.67 | 93.67 |
| Total Rainfall (inches) | >0.2 | 0.56 | 0.28 | 0.67 | 0.46 | 0.71 | 0.24 | 4.57 | 1.03 | 0.83 | 0.5 | 0.51 | 1.38 |
| Rainfall Duration (hours) | | 7.08 | 5.92 | 16.25 | 11.08 | 21.92 | 13.25 | 67.08 | 29.67 | 21.08 | 25.08 | 19.92 | 18.08 |
| Start of Storm Flow | | 10/21/21 19:45 | 11/9/21 1:05 | 11/18/21 16:00 | 12/4/21 6:55 | 12/17/21 18:30 | 1/19/22 23:00 | 2/26/22 15:05 | 3/14/22 9:35 | 4/3/22 20:05 | 4/18/22 11:35 | 5/15/22 6:15 | 6/9/22 5:30 |
| End of Storm Flow | | 10/22/21 3:50 | 11/9/21 6:35 | 11/19/21 12:07 | 12/5/21 1:20 | 12/18/21 16:20 | 1/20/22 13:40 | 3/1/22 12:30 | 3/15/22 17:20 | 4/4/22 17:20 | 4/19/22 13:45 | 5/15/22 22:20 | 6/9/22 22:40 |
| Total Volume of Storm Runoff (cf) | | 220,939 | 187,625 | 571,924 | 444,397 | 496,183 | 121,779 | 2,848,630 | 669,894 | 450,528 | 307,233 | 247,692 | 603,150 |
| Duration of storm runoff (hours) | | 8.08 | 5.50 | 20.12 | 18.42 | 21.83 | 14.67 | 69.42 | 31.75 | 21.25 | 26.17 | 16.08 | 17.17 |
| Corrected Duration of storm runoff (hours) | | 8.08 | 5.50 | 18.37 | 18.42 | 13.50 | 7.09 | 57.25 | 26.92 | 18.42 | 20.00 | 14.00 | 16.92 |
| Flow Calculation (method) | Area*Velocity | | | | | | | | | | | | |
| Flow Range (cfs) Avg | | 7.59 | 9.48 | 7.90 | 6.70 | 6.31 | 2.31 | 11.40 | 5.86 | 5.89 | 3.26 | 4.28 | 9.76 |
| Flow Range (cfs) Max | | 24.16 | 21.53 | 47.66 | 15.92 | 34.95 | 21.79 | 57.02 | 25.26 | 26.99 | 19.83 | 17.29 | 32.70 |
| Volume Sampled (cf) | >75% of Storm Volume Sampled | 205,045 | 185,047 | 382,209 | 84,523 | 383,843 | 70,840 | 1,683,393 | 458,489 | 352,188 | 192,830 | 177,985 | 561,448 |
| Sample Type (Flow/Time Composite) | | Flow | Flow | Flow | Flow | Flow | Flow | Flow | Flow | Flow | Flow | Flow | Flow |
| Start of Event | | 10/21/2021 20:00:00 | 11/9/2021 1:05:00 | 11/18/2021 18:45:00 | 12/4/2021 8:45:00 | 12/17/2021 18:25:00 | 1/19/2022 23:05:00 | 2/26/2022 15:15:00 | 3/14/2022 11:10:00 | 4/3/2022 21:45:00 | 4/18/2022 11:35:00 | 5/15/2022 6:15:00 | 6/9/2022 9:03:00 |
| End of Event | | 10/22/2021 3:33:00 | 11/9/2021 6:01:00 | 11/19/2021 12:07:00 | 12/5/2021 1:20:00 | 12/18/2021 15:58:00 | 1/20/2022 7:19:00 | 2/28/2022 13:54:00 | 3/15/2022 15:30:00 | 4/4/2022 16:20:00 | 4/19/2022 12:35:00 | 5/15/2022 21:52:00 | 6/9/2022 21:08:00 |
| Sampling Duration (hours) | >2*Time of Concentration up to 24 hours | 7.55 | 4.93 | 17.37 | 16.58 | 21.55 | 8.23 | 46.65 | 28.33 | 18.58 | 25.00 | 15.62 | 12.08 |
| Corrected Sampling Duration (hours) | | 6.97 | 4.93 | 10.37 | 8.42 | 10.72 | 5.33 | 30.00 | 18.42 | 13.58 | 10.33 | 8.53 | 12.08 |
| Disable time subtracted | | 0.58 | 0.00 | 7.00 | 8.16 | 10.83 | 2.90 | 16.65 | 9.91 | 5.00 | 14.67 | 7.09 | 0.00 |
| Aliquots Composited | >10 | 19 | 27 | 24 | 31 | 24 | 11 | 48 | 28 | 18 | 13 | 41 | 35 |
| Conductivity Range (uS/cm) | <2,000 | 32 - 134 | 25.6 - 97.3 | 30.6 - 120.6 | 44.1 - 326.0 | 41.3 - 310 | 61.2 - 110.8 | 32.1 - 217.5 | 36.3 - 121.5 | 26.9 - 156.9 | 36.5 - 75.0 | 25.3 - 176.6 | 19.5 - 103.6 |
| Tidal Window | | 10/21/2021 | 11/8/2021 | 11/17/2021 | 12/4/2021 | 12/17/2021 | 1/19/2022 | 2/26/2022 | 3/14/2022 | 4/3/2022 | 4/18/2022 | 5/15/2022 | 6/9/2022 |
| Time (24:00) Stage (feet) | | 17:49 11.32 | 18:18 11.14 | 10:04 -0.29 | 02:44 9.67 | 14:57 10.99 | 17:03 10.56 | 12:02 10.58 | 04:39 11.22 | 19:57 10.93 | 06:05 12.02 | 04:12 12.04 | 01:07 11.68 |
| | | 10/22/2021 | 11/9/2021 | 11/18/2021 | 07:50 5.43 | 22:03 -1.22 | 23:57 -1.20 | 19:28 -1.01 | 10:32 6.68 | 4/4/2022 | 12:55 -1.77 | 11:08 -1.81 | 08:02 2.86 |
| | | 12:29 -0.18 | 01:29 -2.61 | 04:59 11.17 | 13:50 12.42 | 12/18/2021 | 1/20/2022 | 2/27/2022 | 15:00 9.36 | 01:34 4.79 | 19:42 11.88 | 18:08 11.58 | 13:52 8.00 |
| | | | | 22:31 -0.87 | 03:49 10.62 | 15:27 10.71 | | 13:18 10.63 | 05:05 11.44 | 20:46 10.88 | 06:38 11.85 | | 01:40 11.80 |
| | | | | 11/19/2021 | 08:52 6.35 | 22:33 -1.46 | | 20:28 -1.42 | 10:55 6.11 | 4/5/2022 | 13:37 -2.34 | | 08:40 1.23 |
| | | | | 05:40 11.58 | | | | 2/28/2022 | 15:47 9.87 | 02:18 5.85 | 20:39 11.93 | | |
| | | | | 11:03 6.71 | | | | 04:16 12.24 | 22:21 0.28 | 07:45 10.57 | | | |
| | | | | | | | | 09:44 6.95 | 3/16/2022 | 14:34 -0.29 | | | |
| | | | | | | | | 14:25 10.89 | 05:27 11.63 | | | | |
| | | | | | | | | 21:09 -1.55 | | | | | |
| | | | | | | | | 3/1/2022 | | | | | |
| | | | | | | | | 04:50 12.56 | | | | | |
| | | | | | | | | 10:27 5.97 | | | | | |
| | | | | | | | | 15:25 11.13 | | | | | |
| | | | | | | | | 22:09 -1.38 | | | | | |
| | | | | | | | | 3/2/2022 | | | | | |
| | | | | | | | | 05:20 12.74 | | | | | |
| Percent coverage | | 92.80615037 | 98.62589522 | 66.82873316 | 19.01964899 | 77.359098 | 58.17099603 | 59.09481751 | 68.44211992 | 78.17227827 | 62.76340145 | 71.85739978 | 93.08606608 |

**Table C-2
Storm Field Summary Report for OF235 WY2022**

| | Storm Flow Criteria | Sample 1 | Sample 2 | Sample 3 | Sample 4 | Sample 5 | Sample 6 | Sample 7 | Sample 8 | Sample 9 | Sample 10 | Sample 11 | Sample 12 | Sample 12 Partial |
|--|---|------------------------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|-----------------------|-----------------------|----------------------|-----------------------|-----------------------|----------------------|----------------------|
| Start of Rainfall | | 10/21/2021 17:30:00 | 11/3/2021 17:55:00 | 11/18/2021 14:30:00 | 12/4/2021 6:10:00 | 12/17/2021 18:15:00 | 1/19/2022 23:30:00 | 2/26/2022 15:15:00 | 3/18/2022 20:00:00 | 4/3/2022 19:50:00 | 4/18/2022 11:30:00 | 5/15/2022 2:00:00 | 6/9/2022 5:25:00 | 6/9/2022 5:25:00 |
| End of Rainfall | | 10/22/2021 0:35:00 | 11/4/2021 16:55:00 | 11/19/2021 6:45:00 | 12/4/2021 17:15:00 | 12/18/2021 16:10:00 | 1/20/2022 12:45:00 | 3/1/2022 10:20:00 | 3/19/2022 5:25:00 | 4/4/2022 16:55:00 | 4/19/2022 12:35:00 | 5/15/2022 21:55:00 | 6/9/2022 23:30:00 | 6/9/2022 16:10:00 |
| Antecedent Dry Period (hours) | <0.02 in 24 hours | 34.25 | 24.3 | 73.58 | 91.5 | 40.42 | 158 | 127.17 | 76.42 | 268.58 | 43.92 | 14.67 | 93.67 | 93.67 |
| Total Rainfall (inches) | >0.2 | 0.56 | 1 | 0.67 | 0.46 | 0.71 | 0.24 | 4.57 | 0.34 | 0.83 | 0.5 | 0.51 | 1.38 | 0.71 |
| Rainfall Duration (hours) | | 7.08 | 23.00 | 16.25 | 11.08 | 21.92 | 13.25 | 67.08 | 9.42 | 21.08 | 25.08 | 19.92 | 18.08 | 10.75 |
| Start of Storm Flow | | 10/21/21 18:35 | 11/3/21 18:00 | 11/18/21 14:50 | 12/4/21 6:45 | 12/17/21 18:30 | 1/19/22 23:00 | 2/26/22 15:35 | 3/18/22 20:05 | 4/3/22 20:40 | 4/18/22 11:35 | 5/15/22 3:55 | 6/9/22 5:55 | 6/9/22 5:55 |
| End of Storm Flow | | 10/22/21 2:45 | 11/4/21 18:25 | 11/19/21 7:20 | 12/5/21 19:20 | 12/18/21 19:40 | 1/20/22 13:05 | 3/1/22 12:35 | 3/19/22 10:10 | 4/4/22 18:35 | 4/19/22 17:30 | 5/15/22 22:00 | 6/9/22 23:30 | 6/9/22 16:10 |
| Total Volume of Storm Runoff (cf) | | 147,152 | 310,853 | 244,514 | 143,217 | 218,323 | 78,708 | 1,413,366 | 86,671 | 250,217 | 169,594 | 149,098 | 722,383 | 508,127 |
| Duration of storm runoff (hours) | | 8.17 | 24.42 | 16.50 | 36.58 | 25.17 | 14.08 | 69.00 | 14.08 | 21.92 | 29.92 | 18.08 | 17.58 | 10.25 |
| Corrected Duration of storm runoff (hours) | | 8.17 | 23.09 | 16.50 | 28.16 | 22.25 | 12.50 | 64.25 | 13.50 | 20.92 | 28.25 | 17.75 | 17.58 | 10.25 |
| Flow Calculation (method) | Area*Velocity | | | | | | | | | | | | | |
| Flow Range (cfs) Avg | | 5.01 | 3.54 | 4.12 | 1.09 | 2.41 | 1.55 | 5.69 | 1.71 | 3.17 | 1.57 | 2.29 | 11.41 | 13.77 |
| Flow Range (cfs) Max | | 13.44 | 17.87 | 11.65 | 6.37 | 12.47 | 8.20 | 22.42 | 7.77 | 18.79 | 8.25 | 12.15 | 46.75 | 46.75 |
| Volume Sampled (cf) | >75% of Storm Volume Sampled | 145,891 | 263,937 | 202,708 | 75,051 | 181,587 | 43,041 | 1,098,744 | 51,951 | 224,039 | 127,874 | 102,027 | 461,399 | 461,399 |
| Sample Type (Flow/Time Composite) | Flow | Flow | Flow | Flow | Flow | Flow | Flow | Flow | Flow | Flow | Flow | Flow | Flow | Flow |
| Start of Event | | 10/21/2021 18:40:00 | 11/3/2021 18:00:00 | 11/18/2021 15:25:00 | 12/4/2021 7:15:00 | 12/17/2021 18:30:00 | 1/19/2022 23:00:00 | 2/26/2022 15:15:00 | 3/18/2022 20:05:00 | 4/3/2022 20:40:00 | 4/18/2022 11:35:00 | 5/15/2022 9:31:00 | 6/9/2022 9:40:00 | 6/9/2022 9:40:00 |
| End of Event | | 10/22/2021 2:43:00 | 11/4/2021 18:24:00 | 11/19/2021 3:41:00 | 12/4/2021 19:19:00 | 12/18/2021 17:27:00 | 1/20/2022 6:02:00 | 2/28/2022 19:18:00 | 3/19/2022 4:55:00 | 4/4/2022 17:36:00 | 4/19/2022 17:23:00 | 5/15/2022 14:53:00 | 6/9/2022 16:09:00 | 6/9/2022 16:09:00 |
| Sampling Duration (hours) | >2*Time of Concentration up to 24 hours | 8.05 | 24.40 | 12.27 | 12.07 | 22.95 | 7.03 | 52.05 | 8.83 | 20.93 | 29.80 | 5.37 | 6.48 | 6.48 |
| Corrected Sampling Duration (hours) | | 7.88 | 15.57 | 11.95 | 7.57 | 14.07 | 6.20 | 43.13 | 6.42 | 14.52 | 15.55 | 5.37 | 6.48 | 6.48 |
| Disable time subtracted | | 0.17 | 8.83 | 0.32 | 4.50 | 8.88 | 0.83 | 8.92 | 2.41 | 6.41 | 14.25 | 0.00 | 0.00 | 0.00 |
| Aliquots Compositied | >10 | 23 | 48 | 28 | 48 | 20 | 12 | 48 | 13 | 20 | 14 | 44 | 48 | 48 |
| Conductivity Range (uS/cm) | <2,000 | 37 - 85 | 33.9 - 109.7 | 47.6 - 187 | 51.9 - 164.9 | 37.8 - 372 | 86.8 - 250.1 | 51.1 - 372 | 42.9 - 130.1 | 30.7 - 159.3 | 72.5 - 169.3 | 33.3 - 101.9 | 28.3 - 96.5 | 28.3 - 96.5 |
| Tidal Window | | 10/21/2021 | 11/3/2021 | 11/17/2021 | 12/4/2021 | 12/17/2021 | 1/19/2022 | 2/26/2022 | 3/18/2022 | 4/3/2022 | 4/18/2022 | 5/15/2022 | 6/9/2022 | 6/9/2022 |
| Time (24:00) Stage (feet) | | 17:49 11.32 | 10:14 3.39 | 10:04 -0.29 | 02:44 9.67 | 14:57 10.99 | 17:03 10.56 | 12:02 10.58 | 06:09 12.05 | 19:57 10.93 | 06:05 12.02 | 04:12 12.04 | 01:07 11.68 | 01:07 11.68 |
| | | 10/22/2021 | 16:12 12.50 | 11/18/2021 | 07:50 5.43 | 22:03 -1.22 | 23:57 -1.20 | 19:28 -1.01 | 12:13 3.27 | 4/4/2022 | 12:55 -1.77 | 11:08 -1.81 | 08:02 2.86 | 08:02 2.86 |
| | | 12:29 -0.18 | 22:52 -0.27 | 04:59 11.17 | 13:50 12.42 | 12/18/2021 | 1/20/2022 | 2/27/2022 | 17:57 10.96 | 01:34 4.79 | 19:42 11.88 | 18:08 11.58 | 13:52 8.00 | 13:52 8.00 |
| | | 7:14 11.20 | 11/4/2021 | 10:21 6.07 | 16:51 -0.11 | 05:42 12.09 | 07:13 12.65 | 03:36 11.73 | 3/19/2022 | 07:15 11.35 | 4/19/2022 | 23:26 6.01 | 19:10 4.29 | 19:10 4.29 |
| | | 12:50 5.45 | 05:21 11.47 | 15:36 11.40 | 12/5/2021 | 11:02 7.87 | 12:55 6.77 | 08:53 7.84 | 00:12 1.20 | 13:57 -0.25 | 01:16 5.72 | | 6/10/2022 | 6/10/2022 |
| | | | 11:01 4.25 | 22:31 -0.87 | 03:49 10.62 | 15:27 10.71 | | 13:18 10.63 | 06:33 12.22 | 20:46 10.88 | 06:38 11.85 | | 01:40 11.80 | 01:40 11.80 |
| | | | 16:42 12.61 | 11/19/2021 | 08:52 6.35 | 22:33 -1.46 | | 20:28 -1.42 | 12:46 2.04 | 4/5/2022 | 13:37 -2.34 | | 08:40 1.23 | 08:40 1.23 |
| | | | | 05:40 11.58 | | | | 2/28/2022 | 18:45 11.08 | 02:18 5.85 | 20:39 11.93 | | | |
| | | | | 11:03 6.71 | | | | 04:16 12.24 | | 07:45 10.57 | | | | |
| | | | | | | | | 09:44 6.95 | | 14:34 -0.29 | | | | |
| | | | | | | | | 14:25 10.89 | | | | | | |
| | | | | | | | | 21:09 -1.55 | | | | | | |
| | | | | | | | | 3/1/2022 | | | | | | |
| | | | | | | | | 04:50 12.56 | | | | | | |
| | | | | | | | | 10:27 5.97 | | | | | | |
| | | | | | | | | 15:25 11.13 | | | | | | |
| | | | | | | | | 22:09 -1.38 | | | | | | |
| | | | | | | | | 3/2/2022 | | | | | | |
| | | | | | | | | 05:20 12.74 | | | | | | |
| Percent coverage | | 99.14314392 | 84.90744379 | 82.90269205 | 52.40387637 | 83.17375469 | 54.68518109 | 77.73955569 | 59.94092124 | 89.53779761 | 75.40005164 | 68.42961641 | 63.87177367 | 90.80379635 |

Table C-3
Storm Field Summary Report for OF237A WY2022

| | Storm Flow Criteria | Sample 1 | Sample 2 | Sample 2 Partial | Sample 3 | Sample 4 | Sample 5 | Sample 6 | Sample 7 | Sample 8 | Sample 8 Partial |
|--|---|---------------|---------------|------------------|----------------|---------------|--------------|---------------|---------------|---------------|------------------|
| Start of Rainfall | | 11/3/2021 | 12/4/2021 | 12/4/2021 | 12/17/2021 | 3/14/2022 | 4/3/2022 | 4/18/2022 | 4/29/2022 | 5/15/2022 | 5/15/2022 |
| | | 17:55:00 | 6:10:00 | 6:10:00 | 18:15:00 | 9:55:00 | 19:50:00 | 11:30:00 | 21:25:00 | 2:00:00 | 2:00:00 |
| End of Rainfall | | 11/4/2021 | 12/4/2021 | 12/4/2021 | 12/18/2021 | 3/15/2022 | 4/4/2022 | 4/19/2022 | 4/30/2022 | 5/15/2022 | 5/15/2022 |
| | | 16:55:00 | 17:15:00 | 12:35:00 | 16:10:00 | 15:35:00 | 16:55:00 | 12:35:00 | 7:45:00 | 21:55:00 | 12:55:00 |
| Antecedent Dry Period (hours) | <0.02 in 24 hours | 24.3 | 91.5 | 91.5 | 40.42 | 10.75 | 268.58 | 43.92 | 79.83 | 14.67 | 14.67 |
| Total Rainfall (inches) | >0.2 | 1 | 0.46 | 0.32 | 0.71 | 1.03 | 0.83 | 0.5 | 0.46 | 0.51 | 0.38 |
| Rainfall Duration (hours) | | 23.00 | 11.08 | 6.42 | 21.92 | 29.67 | 21.08 | 25.08 | 10.33 | 19.92 | 10.92 |
| Start of Storm Flow | | 11/3/21 18:05 | 12/4/21 7:00 | 12/4/21 7:00 | 12/17/21 19:20 | 3/14/22 10:35 | 4/3/22 21:00 | 4/18/22 12:00 | 4/29/22 22:05 | 5/15/22 5:20 | 5/15/22 5:20 |
| End of Storm Flow | | 11/4/21 17:05 | 12/4/21 20:55 | 12/4/21 12:45 | 12/18/21 19:00 | 3/15/22 17:25 | 4/5/22 8:30 | 4/19/22 16:40 | 4/30/22 13:25 | 5/15/22 21:55 | 5/15/22 12:55 |
| Total Volume of Storm Runoff (cf) | | 3,507,156 | 1,252,031 | 594,117 | 2,184,799 | 2,978,817 | 2,421,469 | 1,383,969 | 1,019,358 | 1,200,219 | 625,714 |
| Duration of storm runoff (hours) | | 23.00 | 13.92 | 5.75 | 23.67 | 30.83 | 35.50 | 28.67 | 15.33 | 16.58 | 7.58 |
| Corrected Duration of storm runoff (hours) | | 23.00 | 13.92 | 5.75 | 23.67 | 30.83 | 35.50 | 28.67 | 15.33 | 16.58 | 7.58 |
| Flow Calculation (method) | Area*Velocity | | | | | | | | | | |
| Flow Range (cfs) Avg | | 42.36 | 24.99 | 28.70 | 25.64 | 26.84 | 18.95 | 13.41 | 18.47 | 20.10 | 22.92 |
| Flow Range (cfs) Max | | 111.30 | 48.82 | 48.82 | 101.08 | 80.36 | 94.36 | 48.99 | 46.15 | 68.86 | 68.86 |
| Volume Sampled (cf) | >75% of Storm Volume Sampled | 2,551,837 | 557,522 | 557,522 | 1,813,886 | 2,846,109 | 2,114,797 | 1,221,564 | 1,017,827 | 618,043 | 618,043 |
| Sample Type (Flow/Time Composite) | Flow | Flow | Flow | Flow | Flow | Flow | Flow | Flow | Flow | Flow | Flow |
| Start of Event | | 11/3/2021 | 12/4/2021 | 12/4/2021 | 12/17/2021 | 3/14/2022 | 4/3/2022 | 4/18/2022 | 4/29/2022 | 5/15/2022 | 5/15/2022 |
| | | 18:30:00 | 7:10:00 | 7:10:00 | 19:30:00 | 10:35:00 | 23:26:00 | 12:00:00 | 22:05:00 | 4:55:00 | 4:55:00 |
| End of Event | | 11/4/2021 | 12/4/2021 | 12/4/2021 | 12/18/2021 | 3/15/2022 | 4/5/2022 | 4/19/2022 | 4/30/2022 | 5/15/2022 | 5/15/2022 |
| | | 12:18:00 | 12:45:00 | 12:45:00 | 18:16:00 | 16:00:00 | 8:27:00 | 16:36:00 | 13:23:00 | 12:53:00 | 12:53:00 |
| Sampling Duration (hours) | >2*Time of Concentration up to 24 hours | 17.80 | 5.58 | 5.58 | 22.77 | 29.42 | 33.02 | 28.60 | 15.30 | 7.97 | 7.97 |
| Corrected Sampling Duration (hours) | | 14.13 | 4.80 | 4.80 | 13.02 | 28.17 | 31.52 | 23.77 | 15.30 | 7.97 | 7.97 |
| Disable time subtracted | | 3.67 | 0.78 | 0.78 | 9.75 | 1.25 | 1.50 | 4.83 | 0.00 | 0.00 | 0.00 |
| Aliquots Compositied | >10 | 48 | 48 | 48 | 20 | 28 | 19 | 16 | 33 | 48 | 48 |
| Conductivity Range (uS/cm) | <2,000 | 25.8 - 141.9 | 50.8 - 138.1 | 50.8 - 138.1 | 43.9 - 208.2 | 73.1 - 150.8 | 21.4 - 398 | 117.5 - 237.3 | 62.0 - 377.0 | 28.3 - 232.6 | 28.3 - 232.6 |
| Tidal Window | | 11/3/2021 | 12/4/2021 | 12/4/2021 | 12/17/2021 | 3/14/2022 | 4/3/2022 | 4/18/2022 | 4/29/2022 | 5/15/2022 | 5/15/2022 |
| Time (24:00) Stage (feet) | | 10:14 3.39 | 02:44 9.67 | 02:44 9.67 | 14:57 10.99 | 04:39 11.22 | 19:57 10.93 | 06:05 12.02 | 17:44 10.63 | 04:12 12.04 | 04:12 12.04 |
| | | 16:12 12.50 | 07:50 5.43 | 07:50 5.43 | 22:03 -1.22 | 10:32 6.68 | 4/4/2022 | 12:55 -1.77 | 23:17 4.14 | 11:08 -1.81 | 11:08 -1.81 |
| | | 22:52 -0.27 | 13:50 12.42 | 13:50 12.42 | 12/18/2021 | 15:00 9.36 | 01:34 4.79 | 19:42 11.88 | 4/30/2022 | 18:08 11.58 | 18:08 11.58 |
| | | 11/4/2021 | 16:51 -0.11 | 16:51 -0.11 | 05:42 12.09 | 21:40 0.53 | 07:15 11.35 | 4/19/2022 | 05:00 11.65 | 23:26 6.01 | 23:26 6.01 |
| | | 05:21 11.47 | 12/5/2021 | 12/5/2021 | 11:02 7.87 | 3/15/2022 | 13:57 -0.25 | 01:16 5.72 | 11:43 -0.38 | | |
| | | 11:01 4.25 | 03:49 10.62 | 03:49 10.62 | 15:27 10.71 | 05:05 11.44 | 20:46 10.88 | 06:38 11.85 | 18:32 11.04 | | |
| | | 16:42 12.61 | 08:52 6.35 | 08:52 6.35 | 22:33 -1.46 | 10:55 6.11 | 4/5/2022 | 13:37 -2.34 | | | |
| | | | | | | 15:47 9.87 | 02:18 5.85 | 20:39 11.93 | | | |
| | | | | | | 22:21 0.28 | 07:45 10.57 | | | | |
| | | | | | | 3/16/2022 | 14:34 -0.29 | | | | |
| | | | | | | 05:27 11.63 | | | | | |
| Percent coverage | | 72.76085453 | 44.52940097 | 93.84034823 | 83.02302036 | 95.54493549 | 87.33529459 | 88.26522435 | 99.84986821 | 51.49415778 | 98.77393723 |

**Table C-4
Storm Field Summary Report for OF237B WY2022**

| | Storm Flow Criteria | Sample 1 | Sample 2 | Sample 3 | Sample 4 | Sample 5 | Sample 6 | Sample 7 | Sample 8 | Sample 9 | Sample 10 | Sample 11 |
|--|---|------------------------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|-----------------------|-----------------------|----------------------|-----------------------|-----------------------|
| Start of Rainfall | | 10/21/2021 17:30:00 | 11/3/2021 17:55:00 | 11/18/2021 14:30:00 | 12/4/2021 6:10:00 | 12/17/2021 18:15:00 | 1/19/2022 23:30:00 | 2/26/2022 15:15:00 | 3/14/2022 9:55:00 | 4/3/2022 19:50:00 | 4/18/2022 11:30:00 | 5/15/2022 2:00:00 |
| End of Rainfall | | 10/22/2021 0:35:00 | 11/4/2021 16:55:00 | 11/19/2021 6:45:00 | 12/4/2021 17:15:00 | 12/18/2021 16:10:00 | 1/20/2022 12:45:00 | 3/1/2022 10:20:00 | 3/15/2022 15:35:00 | 4/4/2022 16:55:00 | 4/19/2022 12:35:00 | 5/15/2022 21:55:00 |
| Antecedent Dry Period (hours) | <0.02 in 24 hours | 34.25 | 24.3 | 73.58 | 91.5 | 40.42 | 158 | 127.17 | 10.75 | 268.58 | 43.92 | 14.67 |
| Total Rainfall (inches) | >0.2 | 0.56 | 1 | 0.67 | 0.46 | 0.71 | 0.24 | 4.57 | 1.03 | 0.83 | 0.5 | 0.51 |
| Rainfall Duration (hours) | | 7.08 | 23.00 | 16.25 | 11.08 | 21.92 | 13.25 | 67.08 | 29.67 | 21.08 | 25.08 | 19.92 |
| Start of Storm Flow | | 10/21/21 17:40 | 11/3/21 18:05 | 11/18/21 15:00 | 12/4/21 7:00 | 12/17/21 18:45 | 1/20/22 1:30 | 2/26/22 17:15 | 3/14/22 10:20 | 4/3/22 21:00 | 4/18/22 12:15 | 5/15/22 5:25 |
| End of Storm Flow | | 10/22/21 7:45 | 11/4/21 13:50 | 11/19/21 10:40 | 12/4/21 20:10 | 12/19/21 2:35 | 1/20/22 12:45 | 3/1/22 22:10 | 3/15/22 23:55 | 4/4/22 19:30 | 4/20/22 3:35 | 5/15/22 22:30 |
| Total Volume of Storm Runoff (cf) | | 1,076,140 | 2,324,861 | 2,104,913 | 970,296 | 2,168,872 | 652,971 | 11,330,505 | 2,939,739 | 1,999,994 | 1,710,557 | 1,073,252 |
| Duration of storm runoff (hours) | | 14.08 | 19.75 | 19.67 | 13.17 | 31.83 | 11.25 | 76.92 | 37.58 | 22.50 | 39.33 | 17.08 |
| Corrected Duration of storm runoff (hours) | | 14.08 | 19.75 | 19.67 | 13.17 | 31.83 | 11.25 | 76.92 | 37.58 | 22.50 | 39.33 | 17.08 |
| Flow Calculation (method) | Area*Velocity | | | | | | | | | | | |
| Flow Range (cfs) Avg | | 21.23 | 32.70 | 29.73 | 20.47 | 18.93 | 16.12 | 40.92 | 21.73 | 24.69 | 12.08 | 17.45 |
| Flow Range (cfs) Max | | 56.24 | 77.46 | 70.59 | 31.99 | 68.66 | 31.15 | 173.29 | 54.10 | 78.63 | 28.16 | 46.99 |
| Volume Sampled (cf) | >75% of Storm Volume Sampled | 1,073,398 | 2,262,611 | 2,045,508 | 662,570 | 1,915,164 | 641,408 | 11,072,468 | 2,939,676 | 1,977,469 | 1,707,770 | 649,975 |
| Sample Type (Flow/Time Composite) | | Flow | Flow | Flow | Flow | Flow | Flow | Flow | Flow | Flow | Flow | Flow |
| Start of Event | | 10/21/2021 17:40:00 | 11/3/2021 17:55:00 | 11/18/2021 14:50:00 | 12/4/2021 6:50:00 | 12/17/2021 18:50:00 | 1/20/2022 1:10:00 | 2/26/2022 16:55:00 | 3/14/2022 10:15:00 | 4/3/2022 21:05:00 | 4/18/2022 12:15:00 | 5/15/2022 5:25:00 |
| End of Event | | 10/22/2021 7:42:00 | 11/4/2021 13:33:00 | 11/19/2021 9:34:00 | 12/4/2021 15:26:00 | 12/19/2021 2:33:00 | 1/20/2022 12:09:00 | 3/1/2022 22:10:00 | 3/15/2022 23:52:00 | 4/4/2022 19:09:00 | 4/20/2022 3:31:00 | 5/15/2022 15:01:00 |
| Sampling Duration (hours) | >2*Time of Concentration up to 24 hours | 14.03 | 19.63 | 18.73 | 8.60 | 31.72 | 10.98 | 77.25 | 37.62 | 22.07 | 39.27 | 9.60 |
| Corrected Sampling Duration (hours) | | 14.03 | 19.63 | 18.73 | 8.60 | 24.97 | 10.98 | 69.17 | 37.62 | 22.07 | 39.27 | 8.60 |
| Disable time subtracted | | 0.00 | 0.00 | 0.00 | 0.00 | 6.75 | 0.00 | 8.08 | 0.00 | 0.00 | 0.00 | 1.00 |
| Aliquots Compositied | >10 | 18 | 48 | 48 | 48 | 23 | 18 | 35 | 32 | 20 | 16 | 48 |
| Conductivity Range (uS/cm) | <2,000 | 75 - 265 | 49.0 - 177.0 | 55.5 - 164 | 92.3 - 162.7 | 53.8 - 219.6 | 124 - 189 | 53.5 - 182 | 72.1 - 228.6 | 57.8 - 250.6 | 144.4 - 262.4 | 54.9 - 253.5 |
| Tidal Window | | 10/21/2021 | 11/3/2021 | 11/17/2021 | 12/4/2021 | 12/17/2021 | 1/19/2022 | 2/26/2022 | 3/14/2022 | 4/3/2022 | 4/18/2022 | 5/15/2022 |
| Time (24:00) Stage (feet) | | 17:49 11.32 | 10:14 3.39 | 10:04 -0.29 | 02:44 9.67 | 14:57 10.99 | 17:03 10.56 | 12:02 10.58 | 04:39 11.22 | 19:57 10.93 | 06:05 12.02 | 04:12 12.04 |
| | | 10/22/2021 | 16:12 12.50 | 11/18/2021 | 07:50 5.43 | 22:03 -1.22 | 23:57 -1.20 | 19:28 -1.01 | 10:32 6.68 | 4/4/2022 | 12:55 -1.77 | 11:08 -1.81 |
| | | 12:29 -0.18 | 22:52 -0.27 | 04:59 11.17 | 13:50 12.42 | 12/18/2021 | 1/20/2022 | 2/27/2022 | 15:00 9.36 | 01:34 4.79 | 19:42 11.88 | 18:08 11.58 |
| | | 7:14 11.20 | 11/4/2021 | 10:21 6.07 | 16:51 -0.11 | 05:42 12.09 | 07:13 12.65 | 03:36 11.73 | 21:40 0.53 | 07:15 11.35 | 4/19/2022 | 23:26 6.01 |
| | | 12:50 5.45 | 05:21 11.47 | 15:36 11.40 | 12/5/2021 | 11:02 7.87 | 12:55 6.77 | 08:53 7.84 | 3/15/2022 | 13:57 -0.25 | 01:16 5.72 | |
| | | | 11:01 4.25 | 22:31 -0.87 | 03:49 10.62 | 15:27 10.71 | | 13:18 10.63 | 05:05 11.44 | 20:46 10.88 | 06:38 11.85 | |
| | | | 16:42 12.61 | 11/19/2021 | 08:52 6.35 | 22:33 -1.46 | | 20:28 -1.42 | 10:55 6.11 | 4/5/2022 | 13:37 -2.34 | |
| | | | | 05:40 11.58 | | | | 2/28/2022 | 15:47 9.87 | 02:18 5.85 | 20:39 11.93 | |
| | | | | 11:03 6.71 | | | | 04:16 12.24 | 22:21 0.28 | 07:45 10.57 | | |
| | | | | | | | | 09:44 6.95 | 3/16/2022 | | | |
| | | | | | | | | 14:25 10.89 | 05:27 11.63 | | | |
| | | | | | | | | 21:09 -1.55 | | | | |
| | | | | | | | | 3/1/2022 | | | | |
| | | | | | | | | 04:50 12.56 | | | | |
| | | | | | | | | 10:27 5.97 | | | | |
| | | | | | | | | 15:25 11.13 | | | | |
| | | | | | | | | 22:09 -1.38 | | | | |
| | | | | | | | | 3/2/2022 | | | | |
| | | | | | | | | 05:20 12.74 | | | | |
| Percent coverage | | 99.74521891 | 97.32243117 | 97.17778579 | 68.28539983 | 88.30227865 | 98.22921041 | 97.72263029 | 99.99784437 | 98.87372067 | 99.83704841 | 0.002237325 |

Table C-5
Storm Field Summary Report for OF243 WY2022

| | Storm Flow Criteria | Sample 1 | Sample 2 | Sample 3 | Sample 4 | Sample 5 | Sample 6 | Sample 7 |
|--|---|----------------|---------------|---------------|---------------|--------------|--------------|--------------|
| Start of Rainfall | | 10/21/2021 | 11/3/2021 | 12/4/2021 | 3/14/2022 | 4/3/2022 | 5/5/2022 | 6/9/2022 |
| | | 17:30:00 | 17:55:00 | 6:10:00 | 9:55:00 | 19:50:00 | 6:20:00 | 5:25:00 |
| End of Rainfall | | 10/22/2021 | 11/4/2021 | 12/4/2021 | 3/15/2022 | 4/4/2022 | 5/5/2022 | 6/9/2022 |
| | | 0:35:00 | 16:55:00 | 17:15:00 | 15:35:00 | 16:55:00 | 18:05:00 | 23:30:00 |
| Antecedent Dry Period (hours) | <0.02 in 24 hours | 34.25 | 24.3 | 91.5 | 10.75 | 268.58 | 69.83 | 93.67 |
| Total Rainfall (inches) | >0.2 | 0.56 | 1 | 0.46 | 1.03 | 0.83 | 0.34 | 1.38 |
| Rainfall Duration (hours) | | 7.08 | 23.00 | 11.08 | 29.67 | 21.08 | 11.75 | 18.08 |
| Start of Storm Flow | | 10/21/21 19:25 | 11/3/21 19:05 | 12/4/21 19:40 | 3/14/22 10:50 | 4/3/22 21:55 | 5/5/22 8:50 | 6/9/22 10:35 |
| End of Storm Flow | | 10/22/21 2:50 | 11/4/21 20:10 | 12/5/21 1:35 | 3/15/22 21:35 | 4/4/22 11:55 | 5/5/22 17:50 | 6/9/22 21:10 |
| Total Volume of Storm Runoff (cf) | | 33,859 | 34,593 | 263 | 42,320 | 47,838 | 15,959 | 59,897 |
| Duration of storm runoff (hours) | | 7.42 | 25.08 | 5.92 | 34.75 | 14.00 | 9.00 | 10.58 |
| Corrected Duration of storm runoff (hours) | | 7.42 | 5.83 | 0.17 | 11.25 | 9.75 | 9.00 | 8.41 |
| Flow Calculation (method) | Area*Velocity | | | | | | | |
| Flow Range (cfs) Avg | | 1.27 | 0.38 | 0.01 | 0.34 | 0.95 | 0.49 | 1.57 |
| Flow Range (cfs) Max | | 3.39 | 2.56 | 0.67 | 2.12 | 3.39 | 1.55 | 2.84 |
| Volume Sampled (cf) | >75% of Storm Volume Sampled | 13,166 | 18,525 | 263 | 14,725 | 34,505 | 10,045 | 29,797 |
| Sample Type (Flow/Time Composite) | | Time | Time | Time | Time | Time | Time | Time |
| Start of Event | | 10/21/2021 | 11/3/2021 | 12/4/2021 | 3/14/2022 | 4/3/2022 | 5/5/2022 | 6/9/2022 |
| | | 23:10:00 | 21:35:00 | 19:30:00 | 19:50:00 | 23:40:00 | 10:50:00 | 13:10:00 |
| End of Event | | 10/22/2021 | 11/4/2021 | 12/5/2021 | 3/15/2022 | 4/4/2022 | 5/5/2022 | 6/9/2022 |
| | | 3:30:00 | 9:55:00 | 3:10:00 | 21:20:00 | 11:30:00 | 17:31:00 | 17:50:00 |
| Sampling Duration (hours) | >2*Time of Concentration up to 24 hours | 4.33 | 12.33 | 7.67 | 25.50 | 11.83 | 6.68 | 4.67 |
| Corrected Sampling Duration (hours) | | 4.33 | 7.92 | 7.67 | 8.00 | 8.02 | 6.35 | 4.67 |
| Disable time subtracted | | 0.00 | 4.41 | 0.00 | 17.50 | 3.81 | 0.33 | 0.00 |
| Aliquots Composited | >10 | 26 | 48 | 48 | 48 | 48 | 20 | 28 |
| Conductivity Range (uS/cm) | <2,000 | 3550 - 6880 | 3240 - 9030 | 3440 - 8750 | 1469 - 3630 | 3950 - 12700 | 4160 - 8450 | 2921 - 8510 |
| Tidal Window | | 10/21/2021 | 11/3/2021 | 12/4/2021 | 3/14/2022 | 4/3/2022 | 5/5/2022 | 6/9/2022 |
| Time (24:00) Stage (feet) | | 17:49 11.32 | 10:14 3.39 | 02:44 9.67 | 04:39 11.22 | 19:57 10.93 | 03:06 7.60 | 01:07 11.68 |
| | | 10/22/2021 | 16:12 12.50 | 07:50 5.43 | 10:32 6.68 | 4/4/2022 | 07:27 9.49 | 08:02 2.86 |
| | | 12:29 -0.18 | 22:52 -0.27 | 13:50 12.42 | 15:00 9.36 | 01:34 4.79 | 14:31 -0.78 | 13:52 8.00 |
| | | 7:14 11.20 | 11/4/2021 | 16:51 -0.11 | 21:40 0.53 | 07:15 11.35 | 22:13 11.32 | 19:10 4.29 |
| | | 12:50 5.45 | 05:21 11.47 | 12/5/2021 | 3/15/2022 | 13:57 -0.25 | | 6/10/2022 |
| | | | 11:01 4.25 | 03:49 10.62 | 05:05 11.44 | 20:46 10.88 | | 01:40 11.80 |
| | | | 16:42 12.61 | 08:52 6.35 | 10:55 6.11 | 4/5/2022 | | 08:40 1.23 |
| | | | | | 15:47 9.87 | 02:18 5.85 | | |
| | | | | | 22:21 0.28 | 07:45 10.57 | | |
| | | | | | 3/16/2022 | | | |
| | | | | | 05:27 11.63 | | | |
| Percent coverage | | 38.88379261 | 53.55081423 | 99.9999986 | 34.79333441 | 72.12746779 | 62.94278424 | 49.74701672 |

Table C-6
Storm Field Summary Report for OF245 WY2022

| | Storm Flow Criteria | Sample 1 | Sample 2 | Sample 3 | Sample 4 Rejected | Sample 5 | Sample 6 | Sample 7 | Sample 7 Partial | Sample 8 | Sample 9 | Sample 10 | Sample 11 | Sample 12 |
|--|---|---------------------------|--------------------------|---------------------------|--------------------------|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|--------------------------|-------------------------|-------------------------|
| Start of Rainfall | | 10/21/2021 17:30:00 | 11/3/2021 17:55:00 | 11/18/2021 14:30:00 | 12/4/2021 6:10:00 | 12/17/2021 18:15:00 | 1/19/2022 23:30:00 | 2/26/2022 15:15:00 | 2/26/2022 15:15:00 | 3/14/2022 9:55:00 | 4/3/2022 19:50:00 | 4/18/2022 11:30:00 | 5/5/2022 6:20:00 | 6/9/2022 5:25:00 |
| End of Rainfall | | 10/22/2021 0:35:00 | 11/4/2021 16:55:00 | 11/19/2021 6:45:00 | 12/4/2021 17:15:00 | 12/18/2021 16:10:00 | 1/20/2022 12:45:00 | 3/1/2022 10:20:00 | 2/28/2022 7:05:00 | 3/15/2022 15:35:00 | 4/4/2022 16:55:00 | 4/19/2022 12:35:00 | 5/5/2022 18:05:00 | 6/9/2022 23:30:00 |
| Antecedent Dry Period (hours) | <0.02 in 24 hours | 34.25 | 24.3 | 73.58 | 91.5 | 40.42 | 158 | 127.17 | 127.17 | 10.75 | 268.58 | 43.92 | 69.83 | 93.67 |
| Total Rainfall (inches) | >0.2 | 0.56 | 1 | 0.67 | 0.46 | 0.71 | 0.24 | 4.57 | 2.02 | 1.03 | 0.83 | 0.5 | 0.34 | 1.38 |
| Rainfall Duration (hours) | | 7.08 | 23.00 | 16.25 | 11.08 | 21.92 | 13.25 | 67.08 | 39.83 | 29.67 | 21.08 | 25.08 | 11.75 | 18.08 |
| Start of Storm Flow | | 10/21/21 18:00 | 11/3/21 18:45 | 11/18/21 16:15 | 12/4/21 8:10 | 12/17/21 20:05 | 1/20/22 1:35 | 2/26/22 16:05 | 2/26/22 16:05 | 3/14/22 11:30 | 4/3/22 22:10 | 4/18/22 12:30 | 5/5/22 8:25 | 6/9/22 11:40 |
| End of Storm Flow | | 10/22/21 2:35 | 11/4/21 17:25 | 11/19/21 6:50 | 12/4/21 15:30 | 12/18/21 19:25 | 1/20/22 9:20 | 3/1/22 10:35 | 2/28/22 7:05 | 3/15/22 17:20 | 4/4/22 18:05 | 4/19/22 15:55 | 5/5/22 17:45 | 6/10/22 0:00 |
| Total Volume of Storm Runoff (cf) | | 97,877 | 98,546 | 72,071 | | 55,756 | 7,161 | 407,023 | 117,572 | 65,036 | 86,561 | 42,488 | 30,693 | 119,085 |
| Duration of storm runoff (hours) | | 8.58 | 22.67 | 14.58 | 7.33 | 23.33 | 7.75 | 66.50 | 39.00 | 29.83 | 19.92 | 27.42 | 9.33 | 12.33 |
| Corrected Duration of storm runoff (hours) | | 8.50 | 18.42 | 13.50 | | 10.66 | 2.92 | 39.17 | 17.92 | 11.08 | 19.25 | 23.09 | 8.16 | 12.00 |
| Flow Calculation (method) | Area*Velocity | | | | | | | | | | | | | |
| Flow Range (cfs) Avg | | 3.17 | 1.21 | 1.37 | 0.00 | 0.66 | 0.26 | 1.70 | 0.84 | 0.61 | 1.21 | 0.43 | 0.91 | 2.68 |
| Flow Range (cfs) Max | | 16.08 | 5.30 | 4.31 | | 5.37 | 2.51 | 6.91 | 5.50 | 4.67 | 6.06 | 2.00 | 2.47 | 7.19 |
| Volume Sampled (cf) | >75% of Storm Volume Sampled | 43,165 | 69,075 | 53,647 | | 49,898 | 6,110 | 107,270 | 107,270 | 55,403 | 63,482 | 23,670 | 24,332 | 101,131 |
| Sample Type (Flow/Time Composite) | Time | Time | Time | Time | Time | Time | Time | Time | Time | Time | Time | Time | Time | Time |
| Start of Event | | 10/21/2021 19:50:00 | 11/3/2021 19:05:00 | 11/18/2021 17:00:00 | | 12/17/2021 20:05:00 | 1/20/2022 2:45:00 | 2/26/2022 18:35:00 | 2/26/2022 18:35:00 | 3/14/2022 11:50:00 | 4/3/2022 22:55:00 | 4/18/2022 9:20:00 | 5/5/2022 10:50:00 | 6/9/2022 11:45:00 |
| End of Event | | 10/22/2021 2:10:00 | 11/4/2021 10:05:00 | 11/19/2021 6:46:00 | | 12/18/2021 19:16:00 | 1/20/2022 9:01:00 | 2/28/2022 7:05:00 | 2/28/2022 7:05:00 | 3/15/2022 16:30:00 | 4/4/2022 12:45:00 | 4/19/2022 13:50:00 | 5/5/2022 17:20:00 | 6/9/2022 21:45:00 |
| Sampling Duration (hours) | >2*Time of Concentration up to 24 hours | 6.33 | 15.00 | 13.77 | 0.00 | 23.18 | 6.27 | 36.50 | 36.50 | 28.67 | 13.83 | 28.50 | 6.50 | 10.00 |
| Corrected Sampling Duration (hours) | | 6.08 | 7.97 | 7.37 | | 7.98 | 1.72 | 15.83 | 15.83 | 7.95 | 7.30 | 5.82 | 5.15 | 8.00 |
| Disable time subtracted | | 0.25 | 7.03 | 6.40 | 0.00 | 15.20 | 4.55 | 20.67 | 20.67 | 20.72 | 6.53 | 22.68 | 1.35 | 2.00 |
| Aliquots Compositing | >10 | 37 | 44 | 44 | 12 | 48 | 10 | 48 | 48 | 48 | 44 | 35 | 16 | 48 |
| Conductivity Range (uS/cm) | <2,000 | 130 - 4490 | 170.8 - 3320 | 58.3 - 440 | 413 - 6630 | 21.58 - 2269 | 343 - 2191 | 21.2 - 2071 | 21.2 - 2071 | 63.6 - 2420 | 39.1 - 1570 | 113.0 - 3790 | 182.0 - 591.0 | 35.9 - 249.5 |
| Tidal Window | | 10/21/2021 17:49 11.32 | 11/3/2021 10:14 3.39 | 11/17/2021 10:04 -0.29 | 12/4/2021 02:44 9.67 | 12/17/2021 14:57 10.99 | 1/19/2022 17:03 10.56 | 2/26/2022 12:02 10.58 | 2/26/2022 12:02 10.58 | 3/14/2022 04:39 11.22 | 4/3/2022 19:57 10.93 | 4/18/2022 06:05 12.02 | 5/5/2022 03:06 7.60 | 6/9/2022 01:07 11.68 |
| | | 10/22/2021 12:29 -0.18 | 11/4/2021 22:52 -0.27 | 11/18/2021 04:59 11.17 | 12/4/2021 13:50 12.42 | 12/18/2021 12:18/2021 | 1/20/2022 1/20/2022 | 2/27/2022 2/27/2022 | 2/27/2022 2/27/2022 | 3/15/2022 15:00 9.36 | 4/4/2022 01:34 4.79 | 4/19/2022 19:42 11.88 | 5/5/2022 14:31 -0.78 | 6/9/2022 13:52 8.00 |
| | | 7:14 11.20 | 11/4/2021 10:21 6.07 | 11/19/2021 10:21 6.07 | 12/5/2021 16:51 -0.11 | 12/18/2021 05:42 12.09 | 1/20/2022 07:13 12.65 | 2/27/2022 03:36 11.73 | 2/27/2022 03:36 11.73 | 3/15/2022 21:40 0.53 | 4/4/2022 07:15 11.35 | 4/19/2022 07:15 11.35 | 5/5/2022 22:13 11.32 | 6/9/2022 19:10 4.29 |
| | | 12:50 5.45 | 05:21 11.47 | 11/19/2021 15:36 11.40 | 12/5/2021 12:55/2021 | 12/18/2021 11:02 7.87 | 1/20/2022 12:55 6.77 | 2/27/2022 08:53 7.84 | 2/27/2022 08:53 7.84 | 3/15/2022 3/15/2022 | 4/4/2022 13:57 -0.25 | 4/19/2022 01:16 5.72 | 5/5/2022 01:16 5.72 | 6/9/2022 6/10/2022 |
| | | | 11:01 4.25 | 11/19/2021 22:31 -0.87 | 12/5/2021 03:49 10.62 | 12/18/2021 15:27 10.71 | 1/20/2022 11:02 7.87 | 2/27/2022 13:18 10.63 | 2/27/2022 13:18 10.63 | 3/15/2022 05:05 11.44 | 4/4/2022 20:46 10.88 | 4/19/2022 06:38 11.85 | 5/5/2022 06:38 11.85 | 6/9/2022 01:40 11.80 |
| | | | 16:42 12.61 | 11/19/2021 05:40 11.58 | 12/5/2021 08:52 6.35 | 12/18/2021 22:33 -1.46 | 1/20/2022 22:33 -1.46 | 2/27/2022 20:28 -1.42 | 2/27/2022 20:28 -1.42 | 3/15/2022 10:55 6.11 | 4/4/2022 4/5/2022 | 4/19/2022 13:37 -2.34 | 5/5/2022 13:37 -2.34 | 6/9/2022 08:40 1.23 |
| | | | | 11/19/2021 11:03 6.71 | | | | 2/28/2022 04:16 12.24 | 2/28/2022 04:16 12.24 | 3/15/2022 22:21 0.28 | 4/4/2022 07:45 10.57 | 4/19/2022 07:45 10.57 | 5/5/2022 07:45 10.57 | 6/9/2022 07:45 10.57 |
| | | | | | | | | 09:44 6.95 | 09:44 6.95 | 3/16/2022 3/16/2022 | | | | |
| | | | | | | | | 14:25 10.89 | 14:25 10.89 | 05:27 11.63 | | | | |
| | | | | | | | | 21:09 -1.55 | 21:09 -1.55 | | | | | |
| | | | | | | | | 3/1/2022 | 3/1/2022 | | | | | |
| | | | | | | | | 04:50 12.56 | 04:50 12.56 | | | | | |
| | | | | | | | | 10:27 5.97 | 10:27 5.97 | | | | | |
| | | | | | | | | 15:25 11.13 | 15:25 11.13 | | | | | |
| | | | | | | | | 22:09 -1.38 | 22:09 -1.38 | | | | | |
| | | | | | | | | 3/2/2022 | 3/2/2022 | | | | | |
| | | | | | | | | 05:20 12.74 | 05:20 12.74 | | | | | |
| Percent coverage | | 44.10107794 | 70.09417757 | 74.43562139 | N/A | 89.49383326 | 85.3180211 | 26.35471614 | 91.23767157 | 85.18863686 | 73.33850118 | 55.71056366 | 79.27758859 | 84.92327895 |

**Table C-7
Storm Field Summary Report for OF254 WY2022**

| | Storm Flow Criteria | Sample 1 | Sample 2 | Sample 3 | Sample 4 | Sample 5 | Sample 6 | Sample 6 Partial | Sample 7 | Sample 8 | Sample 9 |
|--|---|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|----------------------|----------------------|
| Start of Rainfall | | 10/21/2021 17:30:00 | 11/3/2021 17:55:00 | 12/4/2021 6:10:00 | 1/19/2022 23:30:00 | 2/20/2022 17:35:00 | 3/14/2022 9:55:00 | 3/14/2022 9:55:00 | 4/3/2022 19:50:00 | 5/5/2022 6:20:00 | 6/9/2022 5:25:00 |
| End of Rainfall | | 10/22/2021 0:35:00 | 11/4/2021 16:55:00 | 12/4/2021 17:15:00 | 1/20/2022 12:45:00 | 2/21/2022 8:05:00 | 3/15/2022 15:35:00 | 3/14/2022 19:40:00 | 4/4/2022 16:55:00 | 5/5/2022 18:05:00 | 6/9/2022 23:30:00 |
| Antecedent Dry Period (hours) | <0.02 in 24 hours | 34.25 | 24.3 | 91.5 | 158 | 151.58 | 35.75 | 35.75 | 268.58 | 69.83 | 93.67 |
| Total Rainfall (inches) | >0.2 | 0.56 | 1 | 0.46 | 0.24 | 0.2 | 1.03 | 0.65 | 0.83 | 0.34 | 1.38 |
| Rainfall Duration (hours) | | 7.08 | 23.00 | 11.08 | 13.25 | 14.50 | 29.67 | 9.75 | 21.08 | 11.75 | 18.08 |
| Start of Storm Flow | | 10/21/21 18:55 | 11/3/21 18:50 | 12/4/21 7:45 | 1/20/22 1:35 | 2/20/22 19:45 | 3/14/22 10:40 | 3/14/22 10:40 | 4/3/22 21:30 | 5/5/22 8:10 | 6/9/22 7:30 |
| End of Storm Flow | | 10/22/21 2:30 | 11/4/21 1:35 | 12/4/21 20:35 | 1/20/22 12:45 | 2/21/22 3:35 | 3/15/22 19:10 | 3/14/22 22:00 | 4/4/22 16:55 | 5/5/22 17:00 | 6/9/22 22:05 |
| Total Volume of Storm Runoff (cf) | | 98,572 | 114,000 | 101,807 | 24,579 | 27,705 | 284,203 | 155,875 | 253,144 | 164,136 | 290,960 |
| Duration of storm runoff (hours) | | 7.58 | 6.75 | 12.83 | 11.17 | 7.83 | 32.50 | 11.33 | 19.42 | 8.83 | 14.58 |
| Corrected Duration of storm runoff (hours) | | 7.58 | 6.75 | 7.83 | 3.17 | 6.83 | 22.42 | 10.08 | 19.42 | 8.83 | 14.50 |
| Flow Calculation (method) | Area*Velocity | | | | | | | | | | |
| Flow Range (cfs) Avg | | 3.61 | 4.69 | 2.20 | 0.61 | 0.98 | 2.43 | 3.82 | 3.62 | 5.16 | 5.54 |
| Flow Range (cfs) Max | | 9.89 | 8.17 | 7.52 | 4.60 | 3.45 | 11.04 | 11.04 | 11.58 | 8.91 | 13.35 |
| Volume Sampled (cf) | >75% of Storm Volume Sampled | 81,249 | 111,349 | 42,401 | 5,987 | 8,674 | 136,938 | 136,938 | 144,407 | 139,001 | 155,274 |
| Sample Type (Flow/Time Composite) | Time | Time | Time | Time | Time | Time | Time | Time | Time | Time | Time |
| Start of Event | | 10/21/2021 19:35:00 | 11/3/2021 19:00:00 | 12/4/2021 9:20:00 | 1/20/2022 1:30:00 | 2/20/2022 23:05:00 | 3/14/2022 13:00:00 | 3/14/2022 13:00:00 | 4/3/2022 23:15:00 | 5/5/2022 9:45:00 | 6/9/2022 11:20:00 |
| End of Event | | 10/22/2021 2:15:00 | 11/4/2021 1:36:00 | 12/4/2021 19:30:00 | 1/20/2022 3:20:00 | 2/21/2022 3:35:00 | 3/14/2022 22:00:00 | 3/14/2022 22:00:00 | 4/4/2022 10:10:00 | 5/5/2022 16:25:00 | 6/9/2022 18:00:00 |
| Sampling Duration (hours) | >2*Time of Concentration up to 24 hours | 6.67 | 6.60 | 10.17 | 1.83 | 4.50 | 9.00 | 9.00 | 10.92 | 6.67 | 6.67 |
| Corrected Sampling Duration (hours) | | 6.67 | 6.60 | 2.18 | 1.83 | 4.50 | 8.05 | 8.05 | 8.00 | 6.67 | 6.67 |
| Disable time subtracted | | 0.00 | 0.00 | 7.99 | 0.00 | 0.00 | 0.95 | 0.95 | 2.92 | 0.00 | 0.00 |
| Aliquots Composited | >10 | 40 | 40 | 13 | 11 | 27 | 48 | 48 | 48 | 20 | 40 |
| Conductivity Range (uS/cm) | <2,000 | 5570 - 14440 | 1663 - 8420 | 11230 - 17000 | 6920 - 13,290 | 21270 - 26130 | 2402 - 9330 | 2402 - 9330 | 1910 - 7380 | 3180 - 8220 | 1358 - 4840 |
| Tidal Window | | 10/21/2021 | 11/3/2021 | 12/4/2021 | 1/19/2022 | 2/20/2022 | 3/14/2022 | 3/14/2022 | 4/3/2022 | 5/5/2022 | 6/9/2022 |
| Time (24:00) Stage (feet) | | 17:49 11.32 | 10:14 3.39 | 02:44 9.67 | 17:03 10.56 | 13:39 2.69 | 04:39 11.22 | 04:39 11.22 | 19:57 10.93 | 03:06 7.60 | 01:07 11.68 |
| | | 10/22/2021 | 16:12 12.50 | 07:50 5.43 | 23:57 -1.20 | 15:28 10.20 | 10:32 6.68 | 10:32 6.68 | 4/4/2022 | 07:27 9.49 | 08:02 2.86 |
| | | 12:29 -0.18 | 22:52 -0.27 | 13:50 12.42 | 1/20/2022 | 2/21/2022 | 15:00 9.36 | 15:00 9.36 | 01:34 4.79 | 14:31 -0.78 | 13:52 8.00 |
| | | 7:14 11.20 | 11/4/2021 | 16:51 -0.11 | 07:13 12.65 | 01:27 2.80 | 21:40 0.53 | 21:40 0.53 | 07:15 11.35 | 22:13 11.32 | 19:10 4.29 |
| | | 12:50 5.45 | 05:21 11.47 | 12/5/2021 | 12:55 6.77 | 07:49 12.58 | 3/15/2022 | 3/15/2022 | 13:57 -0.25 | | 6/10/2022 |
| | | | 11:01 4.25 | 03:49 10.62 | | 14:25 1.69 | 05:05 11.44 | 05:05 11.44 | 20:46 10.88 | | 01:40 11.80 |
| | | | 16:42 12.61 | 08:52 6.35 | | | 10:55 6.11 | 10:55 6.11 | 4/5/2022 | | 08:40 1.23 |
| | | | | | | | 15:47 9.87 | 15:47 9.87 | 02:18 5.85 | | |
| | | | | | | | 22:21 0.28 | 22:21 0.28 | 07:45 10.57 | | |
| | | | | | | | 3/16/2022 | 3/16/2022 | | | |
| | | | | | | | 05:27 11.63 | 05:27 11.63 | | | |
| Percent coverage | | 82.42636689 | 97.67500225 | 41.64822742 | 24.3583646 | 31.30804234 | 48.18323778 | 87.85142501 | 57.0456661 | 84.68659658 | 53.36604866 |

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

| | Baseflow Criteria¹ | Baseflow 1 | Baseflow 2 |
|-----------------------------------|--------------------------------------|-------------------------------|-------------------|
| 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 Composited | >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**

| | Baseflow Criteria¹ | Baseflow 1 | Baseflow 2 | Baseflow 3 |
|-----------------------------------|--------------------------------------|-------------------------------|-------------------|-------------------|
| 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 |

¹Criteria are considered goals.

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

| | Baseflow Criteria¹ | Baseflow 1 | Baseflow 2 | Baseflow 3 | Baseflow 4 |
|-----------------------------------|--------------------------------------|-------------------|-------------------------------|-------------------|-------------------|
| 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 |

¹Criteria are considered goals.

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

| | Baseflow Criteria¹ | Baseflow 1 | Baseflow 2 | Baseflow 3 |
|-----------------------------------|--------------------------------------|-------------------------------|-------------------|-------------------|
| 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 |

¹Criteria are considered goals.

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

| | Baseflow Criteria¹ | Baseflow 1 |
|-----------------------------------|--------------------------------------|-------------------|
| 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 Composited | >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 |

¹Criteria are considered goals.

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

| | Baseflow Criteria¹ | Baseflow 1 | Baseflow 2 | Baseflow 3 |
|-----------------------------------|--------------------------------------|-------------------|-------------------|-------------------|
| 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 |

¹Criteria are considered goals.

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

| | Baseflow Criteria¹ | Baseflow 1 | Baseflow 2 | Baseflow 3 |
|-----------------------------------|--------------------------------------|-------------------|-------------------------------|-------------------|
| 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 | |
| | | | | |

¹Criteria 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 | 200 | 0.57 | 13.75 | 0.04 | WY2011 | 300.25 | 1.34 | 39.25 | 0.03 | WY2015 | 55.75 | 0.45 | 7.25 | 0.06 | WY2019 | 64.8 | 0.44 | 11.3 | 0.04 | | |
| 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 | 11/29/2011 | 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 | 3/4/2011 | 21 | 0.21 | 5 | 0.04 | 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 | 3/12/2011 | 106.75 | 0.55 | 4.25 | 0.13 | 11/24/2014 | 29.25 | 1.27 | 31 | 0.04 | 12/19/2018 (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 | | |
| Annual Avg | 52.17 | 0.57 | 18.46 | 0.03 | 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 | | | | | 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 | | |
| 10/3/2002 | 73 | 0.24 | 5.75 | 0.04 | (1) | -- | 0.24 | 0.75 | 0.32 | 8/22/2011 | 861.5 | 0.22 | 10.5 | 0.02 | 1/17/2015 | 33.25 | 1 | 20.75 | 0.05 | 9/12/2019 | 76.4 | 0.27 | 2.92 | 0.09 | | |
| 11/6/2002 | 397.5 | 0.46 | 8.25 | 0.06 | 9/16-17/2007 | 288.25 | 0.28 | 22 | 0.01 | Annual Avg | 124.18 | 0.51 | 16.72 | 0.04 | 3/13/2015 | 50.5 | 0.64 | 14.75 | 0.04 | Partial | -- | 0.26 | 2.42 | 0.11 | | |
| 11/13/2002 | 24.5 | 0.25 | 13.75 | 0.02 | 9/27-28/2007 | 249.25 | 0.63 | 10.25 | 0.06 | WY2012 | | | | | 3/20/2015 | 111.25 | 0.21 | 22.75 | 0.01 | 9/14/2019 (1) | 38.2 | 0.36 | 14.3 | 0.04 | | |
| 11/17/2002 | 37 | 0.34 | 14.75 | 0.02 | Annual Avg | 175.73 | 0.43 | 12.96 | 0.04 | 10/10/2011 | 10.75 | 0.75 | 28.75 | 0.03 | 3/22/2015 | 12.25 | 0.17 | 11.5 | 0.01 | 9/22/2019 (3) | 98.8 | 0.22 | 6.7 | 0.03 | | |
| 12/10/2002 | 125.5 | 0.4 | 29 | 0.01 | WY2008 | | | | | Partial | -- | 0.54 | 10.25 | 0.05 | 4/10/2015 | 77.75 | 0.29 | 7.25 | 0.04 | Annual Avg | 124.7 | 0.61 | 15.7 | 0.05 | | |
| 11/1/2003 | 27.5 | 0.81 | 11.5 | 0.07 | 10/9-10/2007 | 385.5 | 0.20 | 6.75 | 0.03 | Partial | -- | 0.56 | 11.75 | 0.05 | 4/13/2015 | 48.5 | 0.34 | 10.5 | 0.03 | WY2020 | | | | | | |
| (1) | -- | 0.97 | 26.25 | 0.04 | 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 | 10/16/2019 (1) | 203.8 | 0.52 | 15.7 | 0.03 | | |
| 1/11/2003 | 24.3 | 0.62 | 19.3 | 0.03 | 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 | 10/21/2019 (3) | 51.4 | 0.75 | 12.3 | 0.08 | | |
| 1/21/2003 | 161 | 0.43 | 8 | 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 | 11/15/2019 (1) | 61.3 | 0.23 | 5.67 | 0.04 | | |
| 1/25/2003 | 21.5 | 1.22 | 25.5 | 0.05 | 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 | 11/17/2019 | 38.3 | 0.27 | 9.6 | 0.03 | | |
| 1/29/2003 | 41 | 0.51 | 13.8 | 0.04 | 1/8/2008 | 37.5 | 0.28 | 8 | 0.04 | Partial | -- | 0.19 | 5.5 | 0.03 | Partial | -- | 1.06 | 22 | 0.05 | 11/18/2019 | 26.8 | 0.42 | 21.8 | 0.02 | | |
| (1) | -- | 0.44 | 6.75 | 0.07 | 1/8/2008 | 34.25 | 0.24 | 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 | 12/6/2019 | 57.0 | 0.47 | 16.9 | 0.03 | | |
| 2/15/2003 | 131.25 | 0.41 | 22.8 | 0.02 | (1) | -- | 0.18 | 2.25 | 0.08 | 11/27/2011 | 58.75 | 0.30 | 5 | 0.06 | Annual Avg | 142.19 | 0.63 | 16.6 | 0.05 | 12/18/2019 (1) | 102.3 | 0.27 | 6.9 | 0.05 | | |
| (1) | -- | 0.31 | 7.5 | 0.04 | 1/26/2008 | 147 | 0.28 | 11.25 | 0.02 | 1/4/2012 | 39 | 0.48 | 20.75 | 0.02 | WY2016 | | | | | 12/31/2019 | 103.7 | 0.42 | 11.8 | 0.04 | | |
| 3/11/2003 | 31.75 | 0.4 | 12.75 | 0.03 | (1) | -- | 0.24 | 4.5 | 0.05 | Partial | -- | 0.39 | 10.25 | 0.04 | 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 | 2/29/2008 | 53.5 | 0.28 | 5.25 | 0.05 | 1/9/2012 | 101.5 | 0.21 | 7.5 | 0.03 | 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 | (1) | -- | 0.27 | 3.75 | 0.07 | 1/24/2012 | 34.5 | 0.98 | 29 | 0.03 | Partial | -- | 0.71 | 17.4 | 0.04 | 1/30/2020 | 28.1 | 1.9 | 40.0 | 0.05 | | |
| (1) | -- | 0.23 | 3 | 0.08 | 3/23/2008 | 53.25 | 0.53 | 14.25 | 0.04 | 1/29/2012 | 73.25 | 1.32 | 21.5 | 0.06 | Partial | -- | 0.70 | 17.4 | 0.04 | Partial | -- | 0.86 | 21.1 | 0.04 | | |
| 4/21/2003 | 179 | 0.39 | 11.5 | 0.03 | Partial | -- | 0.23 | 5.5 | 0.04 | 1/31/2012 | 42 | 0.41 | 16.25 | 0.03 | 12/1/2015 | 175.25 | 0.57 | 10.1 | 0.06 | 2/6/2020 (2) | Partial | -- | 22.9 | 0.52 | 10.4 | 0.05 |
| 9/16/2003 | 116 | 0.2 | 8.25 | 0.02 | (1) | -- | 0.47 | 14 | 0.03 | 2/17/2012 | 27.25 | 0.86 | 24.25 | 0.04 | 12/5/2015 | 27.5 | 0.59 | 24.5 | 0.02 | 2/23/2020 | Partial | -- | 0.28 | 4.3 | 0.06 | |
| (1) | -- | 0.19 | 4 | 0.05 | 5/20/2008 | 394 | 0.27 | 4 | 0.03 | 2/24/2012 | 59.75 | 0.23 | 11.75 | 0.03 | Partial | -- | 0.35 | 11.3 | 0.03 | 3/2/2020 | 198.7 | 0.37 | 6.3 | 0.06 | | |
| Annual Avg | 94.67 | 0.46 | 14.01 | 0.04 | (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 | | | | | 7/31/2008 | 45 | 0.22 | 12.75 | 0.02 | 2/24/2012 | 59.75 | 0.23 | 11.75 | 0.03 | 12/20/2015 | 29.2 | 1.36 | 39 | 0.03 | 3/13/2020 (1) | 135.1 | 0.35 | 13.17 | 0.03 | | |
| 10/6/2003 | 417 | 0.29 | 3 | 0.10 | 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 | | |
| 10/15/2003 | 65.5 | 0.53 | 10 | 0.05 | Annual Avg | 98.50 | 0.30 | 10.95 | 0.03 | 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 | | |
| 10/22/2003 | 29 | 0.37 | 2.75 | 0.13 | WY2009 | | | | | 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 | | |
| 11/15/2003 | 318 | 0.21 | 9.5 | 0.02 | 10/3/2008 | 178.5 | 0.46 | 24.5 | 0.02 | 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 | | |
| 12/2/2003 | 26 | 0.22 | 2.25 | 0.10 | (1) | -- | 0.41 | 12.5 | 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 | | |
| 12/4 | | | | | | | | | | | | | | | | | | | | | | | | | | |

**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 2013 | | | | | | | | | | Water Year 2002 | | | | | | | | | | Water Year 2013 | | | | | | | | | | |
| 237A | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 9 | 237A | 3 | 1 | 4 | 0 | 0 | 1 | 0 | 1 | 10 | 237A | 33.3% | 22.2% | 0.0% | 0.0% | 11.1% | 11.1% | 11.1% | 11.1% | 100% | 237A | 30.0% | 10.0% | 40.0% | 0.0% | 0.0% | 10.0% | 0.0% | 10.0% | 100% | |
| 237B | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 9 | 237B | 1 | 1 | 3 | 1 | 0 | 1 | 0 | 1 | 8 | 237B | 33.3% | 22.2% | 11.1% | 0.0% | 11.1% | 0.0% | 11.1% | 11.1% | 100% | 237B | 12.5% | 12.5% | 37.5% | 0.0% | 12.5% | 0.0% | 12.5% | 0.0% | 100% | |
| 230 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 11 | 230 | 2 | 1 | 3 | 0 | 1 | 1 | 0 | 0 | 8 | 230 | 27.3% | 18.2% | 9.1% | 0.0% | 9.1% | 9.1% | 9.1% | 18.2% | 100% | 230 | 25.0% | 12.5% | 37.5% | 0.0% | 12.5% | 12.5% | 0.0% | 0.0% | 100% | |
| 235 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 10 | 235 | 4 | 1 | 4 | 0 | 1 | 1 | 0 | 0 | 11 | 235 | 30.0% | 20.0% | 10.0% | 10.0% | 10.0% | 10.0% | 10.0% | 0.0% | 100% | 235 | 36.4% | 9.1% | 36.4% | 0.0% | 9.1% | 0.0% | 0.0% | 0.0% | 100% | |
| 243 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 8 | 243 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 243 | 12.5% | 37.5% | 12.5% | 0.0% | 12.5% | 12.5% | 0.0% | 12.5% | 100% | 243 | 33.3% | 0.0% | 66.7% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100% | |
| 245 | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 11 | 245 | 1 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 3 | 245 | 27.3% | 18.2% | 18.2% | 0.0% | 9.1% | 9.1% | 0.0% | 18.2% | 100% | 245 | 33.3% | 0.0% | 33.3% | 0.0% | 33.3% | 0.0% | 0.0% | 0.0% | 100% | |
| 254 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 9 | 254 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 4 | 254 | 33.3% | 22.2% | 11.1% | 0.0% | 11.1% | 11.1% | 0.0% | 11.1% | 100% | 254 | 25.0% | 25.0% | 25.0% | 0.0% | 0.0% | 0.0% | 0.0% | 25.0% | 100% | |
| Yr 1 Storm | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 14 | Yr 12 Storm | 4 | 1 | 4 | 1 | 1 | 1 | 1 | 0 | 13 | Yr 1 Storm | 21.4% | 21.4% | 14.3% | 7.1% | 7.1% | 7.1% | 7.1% | 14.3% | 100% | Yr 12 Storm | 30.8% | 7.7% | 30.8% | 7.7% | 7.7% | 7.7% | 0.0% | 7.7% | 100% | |
| Water Year 2003 | | | | | | | | | | Water Year 2014 | | | | | | | | | | Water Year 2003 | | | | | | | | | | Water Year 2014 | | | | | | | | | | |
| 237A | 3 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 10 | 237A | 2 | 1 | 1 | 1 | 1 | 0 | 2 | 1 | 9 | 237A | 30.0% | 10.0% | 50.0% | 0.0% | 0.0% | 0.0% | 10.0% | 0.0% | 100% | 237A | 22.2% | 11.1% | 11.1% | 11.1% | 11.1% | 0.0% | 22.2% | 11.1% | 100% | |
| 237B | 3 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 10 | 237B | 2 | 0 | 2 | 2 | 2 | 1 | 0 | 1 | 2 | 10 | 237B | 30.0% | 10.0% | 50.0% | 0.0% | 10.0% | 0.0% | 0.0% | 0.0% | 100% | 237B | 20.0% | 0.0% | 20.0% | 20.0% | 10.0% | 0.0% | 10.0% | 20.0% | 100% |
| 230 | 1 | 2 | 3 | 1 | 1 | 1 | 1 | 1 | 8 | 230 | 0 | 1 | 2 | 2 | 1 | 0 | 1 | 2 | 9 | 230 | 12.5% | 25.0% | 37.5% | 0.0% | 0.0% | 12.5% | 0.0% | 12.5% | 100% | 230 | 0.0% | 11.1% | 22.2% | 22.2% | 11.1% | 0.0% | 11.1% | 22.2% | 100% | |
| 235 | 1 | 2 | 5 | 1 | 1 | 1 | 1 | 1 | 9 | 235 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 2 | 8 | 235 | 11.1% | 22.2% | 55.6% | 0.0% | 0.0% | 11.1% | 0.0% | 0.0% | 100% | 235 | 12.5% | 12.5% | 12.5% | 12.5% | 12.5% | 0.0% | 12.5% | 25.0% | 100% |
| 243 | 1 | 2 | 3 | 1 | 1 | 1 | 1 | 1 | 7 | 243 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 4 | 243 | 14.3% | 28.6% | 42.9% | 14.3% | 0.0% | 0.0% | 0.0% | 0.0% | 100% | 243 | 25.0% | 0.0% | 25.0% | 0.0% | 0.0% | 0.0% | 0.0% | 50.0% | 100% |
| 245 | 2 | 2 | 4 | 1 | 1 | 1 | 1 | 1 | 9 | 245 | 2 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 5 | 245 | 22.2% | 22.2% | 44.4% | 0.0% | 0.0% | 11.1% | 0.0% | 0.0% | 100% | 245 | 40.0% | 0.0% | 20.0% | 0.0% | 20.0% | 0.0% | 0.0% | 20.0% | 100% |
| 254 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 8 | 254 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 5 | 254 | 12.5% | 12.5% | 62.5% | 0.0% | 0.0% | 12.5% | 0.0% | 12.5% | 100% | 254 | 20.0% | 0.0% | 20.0% | 20.0% | 20.0% | 0.0% | 0.0% | 20.0% | 100% | |
| Yr 2 Storm | 4 | 2 | 5 | 1 | 1 | 0 | 1 | 1 | 15 | Yr 13 Storm | 4 | 1 | 2 | 2 | 1 | 0 | 2 | 4 | 16 | Yr 2 Storm | 26.7% | 13.3% | 33.3% | 6.7% | 6.7% | 0.0% | 6.7% | 6.7% | 100% | Yr 13 Storm | 25.0% | 6.3% | 12.5% | 12.5% | 6.3% | 0.0% | 12.5% | 25.0% | 100% | |
| Water Year 2004 | | | | | | | | | | Water Year 2015 | | | | | | | | | | Water Year 2004 | | | | | | | | | | Water Year 2015 | | | | | | | | | | |
| 237A | 6 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 12 | 237A | 2 | 2 | 0 | 0 | 0 | 0 | 1 | 5 | 10 | 237A | 50.0% | 8.3% | 16.7% | 16.7% | 0.0% | 0.0% | 8.3% | 0.0% | 100% | 237A | 20.0% | 20.0% | 0.0% | 0.0% | 0.0% | 0.0% | 10.0% | 50.0% | 100% | |
| 237B | 5 | 1 | 2 | 3 | 1 | 1 | 1 | 1 | 12 | 237B | 3 | 1 | 0 | 0 | 1 | 0 | 1 | 2 | 8 | 237B | 41.7% | 8.3% | 16.7% | 25.0% | 0.0% | 0.0% | 8.3% | 0.0% | 100% | 237B | 37.5% | 12.5% | 12.5% | 0.0% | 0.0% | 12.5% | 0.0% | 25.0% | 100% | |
| 230 | 5 | 1 | 2 | 4 | 1 | 1 | 1 | 1 | 13 | 230 | 0 | 1 | 1 | 2 | 2 | 1 | 1 | 2 | 10 | 230 | 38.5% | 7.7% | 15.4% | 30.8% | 0.0% | 0.0% | 7.7% | 0.0% | 100% | 230 | 0.0% | 10.0% | 10.0% | 20.0% | 20.0% | 10.0% | 10.0% | 20.0% | 100% | |
| 235 | 7 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 13 | 235 | 2 | 2 | 2 | 1 | 0 | 0 | 1 | 5 | 13 | 235 | 58.3% | 8.3% | 8.3% | 16.7% | 0.0% | 0.0% | 8.3% | 0.0% | 100% | 235 | 15.4% | 15.4% | 15.4% | 7.7% | 0.0% | 0.0% | 7.7% | 38.5% | 100% | |
| 243 | 4 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 10 | 243 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 3 | 243 | 40.0% | 10.0% | 10.0% | 20.0% | 0.0% | 0.0% | 20.0% | 0.0% | 100% | 243 | 0.0% | 0.0% | 0.0% | 0.0% | 66.7% | 0.0% | 33.3% | 0.0% | 100% |
| 245 | 5 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 10 | 245 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 1 | 7 | 245 | 50.0% | 10.0% | 20.0% | 10.0% | 0.0% | 0.0% | 10.0% | 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 | 3 | 1 | 1 | 1 | 1 | 9 | 254 | 0 | 1 | 0 | 0 | 2 | 0 | 1 | 3 | 7 | 254 | 33.3% | 0.0% | 11.1% | 33.3% | 0.0% | 0.0% | 22.2% | 0.0% | 100% | 254 | 0.0% | 14.3% | 0.0% | 0.0% | 28.6% | 0.0% | 14.3% | 42.9% | 100% | |
| Yr 3 Storm | 9 | 1 | 2 | 4 | 0 | 0 | 2 | 0 | 18 | Yr 14 Storm | 3 | 3 | 2 | 1 | 3 | 0 | 1 | 6 | 19 | Yr 3 Storm | 50.0% | 5.6% | 11.1% | 22.2% | 0.0% | 0.0% | 11.1% | 0.0% | 100% | Yr 14 Storm | 15.8% | 15.8% | 10.5% | 5.3% | 15.8% | 0.0% | 5.3% | 31.6% | 100% | |
| Water Year 2005 | | | | | | | | | | Water Year 2016 | | | | | | | | | | Water Year 2005 | | | | | | | | | | Water Year 2016 | | | | | | | | | | |
| 237A | 3 | 2 | 2 | 1 | 3 | 1 | 1 | 1 | 11 | 237A | 0 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 8 | 237A | 27.3% | 18.2% | 16.7% | 9.1% | 27.3% | 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 | 3 | 2 | 2 | 2 | 3 | 1 | 1 | 1 | 12 | 237B | 2 | 1 | 2 | 1 | 0 | 0 | 1 | 0 | 7 | 237B | 25.0% | 16.7% | 16.7% | 16.7% | 25.0% | 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 | 2 | 2 | 1 | 2 | 3 | 1 | 1 | 1 | 9 | 230 | 0 | 3 | 2 | 1 | 0 | 0 | 0 | 1 | 7 | 230 | 22.2% | 22.2% | 11.1% | 0.0% | 33.3% | 0.0% | 0.0% | 11.1% | 100% | 230 | 0.0% | 42.9% | 28.6% | 14.3% | 0.0% | 0.0% | 0.0% | 14.3% | 100% | |
| 235 | 3 | 2 | 2 | 2 | 3 | 1 | 1 | 1 | 12 | 235 | 1 | 3 | 3 | 2 | 0 | 0 | 0 | 1 | 10 | 235 | 25.0% | 16.7% | 16.7% | 16.7% | 25.0% | 0.0% | 0.0% | 0.0% | 100% | 235 | 10.0% | 30.0% | 30.0% | 20.0% | 0.0% | 0.0% | 0.0% | 10.0% | 100% | |
| 243 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 7 | 243 | 0 | 1 | 1 | 2 | 0 | 1 | 0 | 0 | 5 | 243 | 14.3% | 14.3% | 14.3% | 0.0% | 42.9% | 0.0% | 0.0% | 14.3% | 100% | 243 | 0.0% | 20.0% | 20.0% | 40.0% | 0.0% | 20.0% | 0.0% | 0.0% | 100% | |
| 245 | 3 | 2 | 1 | 1 | 3 | 1 | 1 | 1 | 10 | 245 | 1 | 1 | 4 | 1 | 0 | 0 | 0 | 1 | 8 | 245 | 30.0% | 20.0% | 10.0% | 10.0% | 30.0% | 0.0% | 0.0% | 0.0% | 100% | 245 | 12.5% | 12.5% | 50.0% | 12.5% | 0.0% | 0.0% | 0.0% | 12.5% | 100% | |
| 254 | 3 | 2 | 1 | 1 | 3 | 1 | 1 | 1 | 10 | 254 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 7 | 254 | 30.0% | 20.0% | 10.0% | 10.0% | 30.0% | 0.0% | 0.0% | 0.0% | 100% | 254 | 0.0% | 28.6% | 42.9% | 14.3% | 0.0% | 0.0% | 0.0% | 14.3% | 100% | |
| Yr 4 Storm | 3 | 2 | 2 | 2 | 3 | 0 | 0 | 1 | 13 | Yr 15 Storm | 3 | 7 | 7 | 4 | 0 | 1 | 1 | 2 | 25 | Yr 4 Storm | 23.1% | 15.4% | 15.4% | 15.4% | 23.1% | 0.0% | 0.0% | 7.7% | 100% | Yr 15 Storm | 12.0% | 28.0% | 28.0% | 16.0% | 0.0% | 4.0% | 4.0% | 8.0% | 100% | |
| Water Year 2006 | | | | | | | | | | Water Year 2017 | | | | | | | | | | Water Year 2006 | | | | | | | | | | Water Year 2017 | | | | | | | | | | |
| 237A | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 6 | 237A | 3 | 2 | 0 | 0 | 1 | 1 | 0 | 5 | 12 | 237A | 66.7% | 16.7% | 16.7% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100% | 237A | 25.0% | 16.7% | 0.0% | 0.0% | 8.3% | 8.3% | 0.0% | 41.7% | 100% | |
| 237B | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 237B | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 5 | 11 | 237B | 80.0% | 20.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100% | 237B | 9.1% | 9.1% | 9.1% | 9.1% | 9.1% | 0.0% | 9.1% | 45.5% | 100% | |
| 230 | 3 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 7 | 230 | 3 | 1 | 0 | 1 | 1 | 1 | 0 | 5 | 13 | 230 | 42.9% | 14.3% | 28.6% | 0.0% | 0.0% | 14.3% | 0.0% | 0.0% | 100% | 230 | 23.1% | 15.4% | 7.7% | 0.0% | 7.7% | 0.0% | 38.5% | 0.0% | 100% | |
| 235 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 6 | 235 | 2 | 1 | 0 | 1 | 0 | 1 | 0 | 5 | 12 | 235 | 50.0% | 16.7% | 16.7% | 0.0% | 0.0% | 16.7% | 0.0% | 0.0% | 100% | 235 | 16.7% | 16.7% | 8.3% | 0.0% | 8.3% | 8.3% | 0.0% | 41.7% | 100% | |
| 243 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 6 | 243 | 3 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 3 | 7 | 243 | 33.3% | 0.0% | 33.3% | 0.0% | 0.0% | 0.0% | 33.3% | 0.0% | 100% | 243 | 28.6% | 14.3% | 0.0% | 0.0% | 0.0% | 14.3% | 0.0% | 42.9% | 100% |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**Table C-17
Corrective Actions for WY2022**

| Date | Outfall | Issue | Explanation | Corrective Action | Date Corrective Action Performed |
|------------|---------|------------------|---|--|----------------------------------|
| 9/24/2021 | 230 | Sensor Issue | Sensor torn away from mounting plate | Sensor replaced and mounting plate moved/reinstalled | 10/06/21 |
| 11/5/2021 | 235 | Power Failure | Stolen Solar Panel | Battery Replaced | 11/05/21 |
| 11/17/2021 | 237A | Sensor Issue | Sensor not reading correctly | Sensor replaced | 12/01/21 |
| 1/20/2022 | 237A | Sample Tubing | Tubing kinked | Tubing Fixed | 01/24/21 |
| 1/20/2022 | 243 | Sensor Issue | Sensor not reading correctly | Sensor replaced | 01/24/21 |
| 2/8/2022 | 230 | Sensor Issue | Sensor not reading correctly/ Rocks in pipe | Sensor replaced/Pipe cleaned | 02/11/22 |
| 2/26/2022 | 237A | Sample Tubing | Debris kinked sample tubing | Conduit added to site to protect sample tubing | 03/10/22 |
| 2/28/2022 | 243 | Strainer | Strainer missing | Installed new strainer | 03/10/22 |
| 3/16/2022 | 235 | Battery Issue | Pump issues likely due to low battery | Battery Replaced | 03/18/22 |
| 4/17/2022 | 237A | Connection Issue | Couldn't connect to site to deploy | Power Cycled | 04/18/22 |
| 7/15/2022 | 243 | Battery Issue | Battery DOA | Cleaned battery connections | 07/15/22 |
| 7/25/2022 | 254 | Rinse Blanks | Rinse blank performed | Rinse blank performed | 7/25/2022 |
| 7/25/2022 | 245 | Rinse Blanks | Rinse blank performed | Rinse blank performed | 7/25/2022 |
| 7/25/2022 | 243 | Rinse Blanks | Rinse blank performed | Rinse blank performed | 7/25/2022 |
| 7/25/2022 | 237A | Rinse Blanks | Rinse blank performed | Rinse blank performed | 7/25/2022 |
| 7/27/2022 | 237B | Rinse Blanks | Rinse blank performed | Rinse blank performed | 7/27/2022 |
| 7/27/2022 | 235 | Rinse Blanks | Rinse blank performed | Rinse blank performed | 7/27/2022 |
| 7/27/2022 | 230 | Rinse Blanks | Rinse blank performed | Rinse blank performed | 7/27/2022 |
| 8/9/2022 | 254 | Sampler Issue | Power issues/YSI not recognized | Troubleshoot/ New YSI ordered | 08/20/22 |
| 9/9/2022 | 245 | Sensor Issue | Sensor not reading correctly | Sensor/tubing replacement/ calibration | 9/9/2022 |
| 9/12/2022 | 235 | Sensor Issue | Sensor not reading correctly | Sensor/tubing replacement/ calibration | 9/12/2022 |

