

| 1 | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH | |
|----|--------|------------|--|----------------|-------------------------|--------------|--------------|--------------|--------|--------|------------------|--------|--------|--------|--------|----------------|----------|--------------------------|-------------------------|-------------|---------------|---------------------------|-------------------------------|----------------------|----------------|----------------------|-------------|-------------|-------------------|-------------|----------------|------------|---------|-------------|---|
| 2 | | Date | H2O Temp TOP (0.5m) | H2O Temp 1.0 m | H2O Temp 0.5 m from BTM | Salinity TOP | Salinity 1.0 | Salinity BTM | PH Top | PH 1.0 | Ph .5 m from BTM | Top DO | DO 1.0 | BTM DO | Secchi | Depth (meters) | Air Temp | H2O Temp BTM monthly AVG | Fecal Coliform Bacteria | Enterococci | Ammonia (NH3) | Nitrate/Nitrite (NO3-NO2) | Total Kjeldahl Nitrogen (TKN) | Organic Nitrogen (N) | Total Nitrogen | Rainfall in 24 hours | Tidal Stage | Water Color | Surface Condition | Cloud Cover | Wind Direction | Wind Speed | Weather | Wave Height | |
| 3 | Site 1 | 4/7/2017 | 7.00 | 6.97 | 5.40 | 25.97 | 26.11 | 28.07 | 8.18 | 8.19 | 8.17 | 9.52 | 9.35 | 8.83 | 1.7 | 5.7 | 7.7 | | <1 | <1 | | | | | | 0 | 2 | 5 | 6 | 3 | 4 | 1 | 2 | 1 | |
| 4 | Site 1 | 4/14/2014 | 8.92 | 8.92 | 8.92 | 27.12 | | | 7.89 | | | 8.56 | | | 1.3 | | 14.0 | | 3 | 3 | | | | | | 0 | 4 | 3 | | 0 | 6 | 2 | 1 | 2 | |
| 5 | Site 1 | 4/21/2014 | 9.96 | 9.97 | 7.76 | 25.51 | 26.62 | 27.87 | 8.29 | 8.27 | 8.17 | 8.91 | 8.38 | 4.13 | 1.7 | 4.6 | 8.8 | | | | | | | | | 0 | 2 | 2 | 1 | 0 | 1 | 1 | 1 | 1 | |
| 6 | Site 1 | 4/28/2014 | 10.93 | 11.11 | 10.92 | 25.71 | 25.98 | 26.80 | 7.88 | 7.87 | 7.75 | 7.48 | 7.35 | 6.85 | 2.0 | 3.7 | 8.1 | 8.250 | <1 | 83 | | | | | | | 4 | 3 | 6 | 0 | 1 | 2 | 1 | 2 | |
| 7 | Site 1 | 5/5/2014 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Site 1 | 5/12/2014 | 15.80 | 14.65 | 12.70 | 24.67 | 25.56 | 26.76 | 8.23 | 8.20 | 8.14 | 9.46 | 9.09 | 8.18 | 1.2 | 5.4 | 19.1 | | <1 | 3 | <1 | .16/ <1 | 0.34 | 0.34 | 0.50 | | 4 | 5 | | | 2 | 8 | 1 | 1 | 0 |
| 9 | Site 1 | 5/19/2014 | **NO SAMPLES TAKEN** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | Site 1 | 5/27/2014 | 17.19 | 17.10 | 16.42 | 26.26 | 26.26 | 26.30 | 7.70 | 7.65 | 7.56 | 8.84 | 8.78 | 5.36 | 1.6 | 4.0 | 22.1 | | 5 | 2 | | | | | | 0 | 4 | 5 | 6 | 3 | | 0 | 3 | 0 | |
| 11 | Site 1 | 6/2/2014 | 17.31 | 17.22 | 16.50 | 25.64 | 26.06 | 25.54 | 8.11 | 8.03 | 7.72 | 8.41 | 7.97 | 6.24 | 1.5 | 3.6 | 20.3 | | >60 | 10 | <0.10 | <0.10 | 0.46 | 0.46 | 0.46 | 0 | 2 | 3 | 6 | 0 | | 0 | 1 | 1 | 1 |
| 12 | Site 1 | 6/9/2014 | **NO SAMPLES TAKEN** WEATHER CONDITION** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | Site 1 | 6/16/2014 | 20.15 | 19.98 | 19.03 | 24.70 | 25.11 | 26.20 | 8.26 | 8.17 | 7.85 | 9.23 | 7.95 | 5.65 | 0.7 | 4.5 | 32.2 | | 370 | 13 | | | | | | 0 | 4 | 5 | 6 | 1 | 1 | 1 | 1 | 1 | |
| 14 | Site 1 | 6/23/2014 | 20.48 | 20.95 | 19.35 | 25.41 | 25.92 | 26.78 | 7.73 | 7.61 | 7.21 | 5.86 | 5.14 | 3.51 | 0.9 | 5.8 | 25.2 | | 210 | 44 | | | | | | | 4 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | |
| 15 | Site 1 | 6/30/2014 | 20.45 | 20.57 | 19.63 | 25.48 | 26.27 | 26.50 | 7.55 | 7.34 | 6.83 | 4.64 | 3.60 | 2.07 | 1.3 | 5.7 | 22.6 | | 52 | 17 | | | | | | | 4 | 3 | 6 | 2 | 5 | 1 | 1 | 1 | |
| 16 | Site 1 | 7/7/2014 | 22.75 | 22.45 | 21.60 | 23.18 | 23.45 | 24.05 | 7.95 | 7.92 | 7.58 | 37.41 | 37.61 | 21.71 | 1.0 | | 28.2 | | 52 | 3 | <0.10 | <0.10 | 0.71 | 0.62 | 0.71 | | 2 | 3 | 6 | 0 | 5 | 1 | 1 | 1 | |
| 17 | Site 1 | 7/14/2014 | **NO SAMPLES TAKEN** WEATHER CONDITION** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | Site 1 | 7/21/2014 | 22.62 | 22.29 | 21.29 | 25.43 | 26.40 | 27.50 | 7.70 | 7.59 | 7.32 | 5.73 | 4.86 | 0.89 | 1.3 | 5.5 | 24.4 | | 36 | <1 | | | | | | | 2 | 3 | 6 | 0 | 0 | 1 | 1 | 1 | |
| 19 | Site 1 | 7/28/2014 | 22.85 | 22.61 | 22.49 | 27.34 | 27.48 | 27.76 | 7.59 | 7.55 | 7.49 | 3.43 | 3.21 | 2.39 | 1.0 | 7.8 | 25.2 | | 220 | 37 | | | | | | 3 | 4 | 5 | 6 | 4 | 5 | 2 | 3 | 1 | |
| 20 | Site 1 | 8/4/2014 | 23.47 | 23.07 | 22.08 | 24.82 | 26.08 | 28.03 | 7.89 | 7.65 | 7.38 | 6.62 | 4.39 | 1.28 | 1.4 | 3.9 | 28.4 | | 140 | 41 | 0.21 | <0.10 | 0.22 | <0.10 | 0.22 | | 2 | 5 | 6 | 2 | 0 | 0 | 1 | 0 | |
| 21 | Site 1 | 8/11/2014 | 24.18 | 23.96 | 24.09 | 26.62 | 26.75 | 27.68 | 7.31 | 7.22 | 7.07 | 3.46 | 2.13 | 1.67 | 0.9 | 3.2 | 24.1 | | 270 | 180* | | | | | | 0 | 4 | 5 | 6 | 0 | 0 | 0 | 1 | 0 | |
| 22 | Site 1 | 8/18/2014 | 23.09 | 23.07 | 23.12 | 26.22 | 26.22 | 26.36 | 8.25 | 8.16 | 7.71 | 8.69 | 8.14 | 4.56 | 0.7 | 4.6 | 22.2 | | 53 | 4 | | | | | | 0 | 2 | 5 | 6 | 0 | 0 | 0 | 1 | 0 | |
| 23 | Site 1 | 8/25/2014 | 23.27 | 23.23 | 22.95 | 27.36 | 27.65 | 28.28 | 7.33 | 7.29 | 7.19 | 2.37 | 1.86 | 0.89 | 1.4 | 6.8 | 20.5 | | 43 | 13 | | | | | | 0 | 3 | 5 | 6 | 0 | 1 | 0 | 1 | 0 | |
| 24 | Site 1 | 9/2/2014 | 24.26 | 24.14 | 23.79 | 27.19 | 27.54 | 28.17 | 7.79 | 7.76 | 7.67 | 4.46 | 4.19 | 3.03 | 0.8 | 4.4 | 28.3 | | 28 | 8 | 0.58 | <0.10 | 0.14 | <0.10 | 0.14 | 0 | 2 | 5 | 6 | 2 | 0 | 0 | 1 | 0 | |
| 25 | Site 1 | 9/8/2014 | 24.29 | 24.43 | 24.50 | 27.33 | 27.55 | 27.70 | 7.65 | 7.68 | 7.65 | 3.46 | 3.59 | 3.50 | 1.2 | 6.8 | 19.4 | | 48 | 31 | | | | | | 0 | 4 | 5 | 4 | 3 | 2 | 1 | 3 | 1 | |
| 26 | Site 1 | 9/15/2014 | 20.83 | 21.66 | 21.80 | 24.90 | 25.26 | 28.16 | 8.50 | 8.36 | 7.96 | 10.18 | 9.21 | 4.88 | 1.4 | 5.0 | 17.1 | | 13 | 2 | | | | | | 0 | 3 | 5 | 6 | 1 | 3 | 1 | 1 | 1 | |
| 27 | Site 1 | 9/22/2014 | 20.90 | 21.01 | 21.38 | 27.27 | 27.63 | 28.35 | 7.81 | 7.74 | 7.57 | 5.65 | 4.94 | 4.26 | 1.3 | 5.7 | 20.2 | | 44 | 57 | | | | | | 1 | 4 | 5 | 6 | 0 | 2 | 1 | 1 | 2 | |
| 28 | Site 1 | 9/29/2014 | 19.83 | 20.08 | 20.25 | 26.94 | 27.52 | 28.38 | 7.91 | 7.76 | 7.68 | 5.60 | 5.09 | 4.64 | 1.1 | 5.0 | 17.0 | | 90 | 37 | | | | | | 0 | 2 | 5 | 6 | 4 | 5 | 1 | 3 | 1 | |
| 29 | Site 1 | 10/6/2014 | 18.15 | 18.40 | 18.53 | 27.58 | 27.65 | 28.16 | 8.01 | 8.04 | 8.09 | 6.28 | 6.22 | 6.55 | 2.0 | 2.8 | 11.4 | | 57 | 11 | <0.1 | 0.15 / <0.1 | 0.14 | 0.13 | 0.29 | 0 | 4 | 5 | 6 | 0 | 5 | 1 | 1 | 0 | |
| 30 | Site 1 | 10/13/2014 | **NO SAMPLES TAKEN** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | Site 1 | 10/20/2014 | 15.82 | 16.22 | 16.30 | 26.48 | 26.99 | 27.91 | 8.28 | 8.23 | 8.08 | 7.23 | 6.60 | 5.77 | 1.6 | 5.8 | 11.5 | | 350 | 42 | | | | | | 0 | 2 | 5 | 6 | 4 | 6 | 1 | 3 | 1 | |
| 32 | Site 1 | 10/27/2014 | 13.23 | 13.71 | 14.07 | 25.52 | 26.32 | 27.10 | 7.95 | 7.96 | 7.90 | 8.13 | 8.01 | 8.27 | 1.6 | 3.9 | 10.90 | | 46 | 11 | | | | | | 0 | 2 | 5 | 6 | 0 | 8 | 1 | 1 | 0 | |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH | |
|----|---------|--|---|----------------|-------------------------|--------------|----------------|--------------|--------|----------|------------------|--------|----------|--------|--------|----------------|----------|--------------------------|-------------------------|-------------|---------------|---------------------------|-------------------------------|----------------------|----------------|----------------------|-------------|-------------|--------------------|-------------|----------------|------------|---------|-------------|---|
| 1 | | Friends of the Bay 2014 Water Quality Data - Site 13, Mill Neck Creek East | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | Date | H2O Temp TOP (0.5m) | H2O Temp 1.0 m | H2O Temp 0.5 m from BTM | Salinity TOP | Salinity 1.0 m | Salinity BTM | PH Top | PH 1.0 m | Ph .5 m from BTM | Top DO | DO 1.0 m | BTM DO | Secchi | Depth (meters) | Air Temp | H2O Temp BTM monthly AVG | Fecal Coliform Bacteria | Enterococci | Ammonia (NH3) | Nitrate/Nitrite (NO3-NO2) | Total Kjeldahl Nitrogen (TKN) | Organic Nitrogen (N) | Total Nitrogen | Rainfall in 24 hours | Tidal Stage | Water Color | Surface Conditions | Cloud Cover | Wind Direction | Wind Speed | Weather | Wave Height | |
| 3 | Site 13 | 4/7/2014 | 6.72 | 6.33 | 6.32 | 27.66 | 27.71 | 27.71 | 8.19 | 8.09 | 8.09 | 8.96 | 9.01 | 9.01 | 1.8 | 2.3 | 5.1 | | 2 | 3 | | | | | | | 2 | 5 | 6 | 4 | | | 0 | 3 | 0 |
| 4 | Site 13 | 4/14/2014 | 11.93 | 11.84 | 11.55 | 27.21 | 27.26 | 27.32 | 8.09 | 8.10 | 8.10 | 7.88 | 7.80 | 7.42 | 1.6 | | 19.0 | | <1 | 3 | | | | | | | 4 | 3 | | | 1 | 6 | 3 | 1 | 3 |
| 5 | Site 13 | 4/21/2014 | 10.36 | | | 27.12 | | | 7.89 | | | 8.23 | | | 1.2 | 1.2 | 7.1 | | | | | | | | | | 2 | 1 | 6 | 0 | 0 | 0 | 1 | 0 | |
| 6 | Site 13 | 4/28/2014 | 11.30 | 11.28 | 11.24 | 27.17 | 27.17 | 27.24 | 8.00 | 7.99 | 7.99 | 7.25 | 7.25 | 7.19 | 1.6 | 2.3 | 11.7 | | 1 | 3 | | | | | | | 4 | 3 | | | 0 | 8 | 1 | 1 | 0 |
| 7 | Site 13 | 5/5/2014 | 11.53 | 11.47 | 11.45 | 25.73 | 26.14 | 26.35 | 7.78 | 7.79 | 7.80 | 6.85 | 6.87 | 6.96 | 1.2 | 3.1 | 11.2 | | 2 | 1 | | | | | | | 2 | 5 | | | 0 | 8 | 1 | 1 | 2 |
| 8 | Site 13 | 5/12/2014 | 14.88 | 14.74 | 14.68 | 26.30 | 26.37 | 26.36 | 8.10 | 8.11 | 8.10 | 7.07 | 6.82 | 5.37 | 1.4 | 3.0 | 16.1 | | <1 | <1 | <.1 | <.1 / <.1 | 0.20 | 0.20 | 0.20 | | 1 | 3 | | | 1 | 2 | 1 | 1 | 0 |
| 9 | Site 13 | 5/19/2014 | **NO SAMPLES TAKEN** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | Site 13 | 5/27/2014 | 18.15 | 18.11 | 18.01 | 26.65 | 26.58 | 26.65 | 7.93 | 7.94 | 7.93 | 6.76 | 6.72 | 6.64 | 1.4 | 4.3 | 25.1 | | <1 | 1 | | | | | | | 1 | 5 | 3 | 3 | 8 | 1 | 2 | 1 | |
| 11 | Site 13 | 6/2/2014 | 18.89 | 18.84 | 18.78 | 26.05 | 26.05 | 26.05 | 7.85 | 7.85 | 7.81 | 6.38 | 6.35 | 6.28 | 1.0 | 2.0 | 22.5 | | | | <0.10 | <0.10 | 0.41 | 0.41 | 0.41 | | 3 | 3 | 6 | 0 | 6 | 2 | 1 | 0 | |
| 12 | Site 13 | 6/9/2014 | **NO SAMPLES TAKEN** ** WEATHER CONDITION** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | Site 13 | 6/16/2014 | 19.96 | x | 20.10 | 25.05 | x | 25.61 | 7.21 | x | 7.28 | 4.63 | x | 4.95 | 0.8 | 1.8 | 22.3 | | 620 | 470 | | | | | | | 3 | 1 | 6 | 2 | 0 | 0 | 1 | 0 | |
| 14 | Site 13 | 6/23/2014 | 23.23 | 22.64 | x | 26.36 | 26.35 | x | 7.75 | 7.68 | x | 5.47 | 5.19 | x | 1.3 | 1.8 | 31.3 | | 7 | 1 | | | | | | | 1 | 3 | 1 | 0 | 0 | 0 | 1 | 0 | |
| 15 | Site 13 | 6/30/2014 | 23.93 | 23.78 | x | 26.46 | 26.39 | x | 7.85 | 7.73 | x | 5.42 | 5.33 | x | 1.0 | 1.6 | 28.5 | | 7 | 5 | | | | | | | 1 | 3 | 6 | 2 | 7 | 1 | 1 | 1 | |
| 16 | Site 13 | 7/7/2014 | 22.83 | x | 22.81 | 26.42 | x | 26.42 | 7.66 | x | 7.58 | 12.63 | x | 11.11 | 1.4 | x | 24.8 | | 4 | 4 | <0.10 | <0.10 | 0.45 | 0.37 | 0.45 | | 1 | 3 | 6 | 1 | 6 | 1 | 2 | 0 | |
| 17 | Site 13 | 7/14/2014 | **NO SAMPLES TAKEN** ** WEATHER CONDITION** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | Site 13 | 7/21/2014 | 23.12 | 23.12 | 23.12 | 27.36 | 27.43 | 27.43 | 7.66 | 7.63 | 7.56 | 5.46 | 5.36 | 5.25 | 1.2 | 2.6 | 19.3 | | 3 | <1 | | | | | | | 1 | 5 | 6 | 0 | 0 | 0 | 1 | 0 | |
| 19 | Site 13 | 7/28/2014 | 24.58 | 24.60 | 24.64 | 27.06 | 27.06 | 27.06 | 7.39 | 7.35 | 7.33 | 3.40 | 3.27 | 3.40 | 1.4 | 1.9 | 22.3 | | | | 100 | 37 | | | | | 3 | 4 | 6 | 4 | 6 | 1 | 3 | 1 | |
| 20 | Site 13 | 8/4/2014 | 23.75 | x | x | 27.47 | x | | 7.51 | x | | 3.80 | x | | 0.9 | 1.3 | 25.8 | | 29 | 2 | 0.20 | <0.10 | 0.38 | 0.18 | 0.38 | | 2 | 5 | 6 | 1 | 1 | 7 | 1 | 1 | |
| 21 | Site 13 | 8/11/2014 | 25.10 | 25.10 | X | 27.94 | 27.94 | X | 7.72 | 7.70 | X | 4.65 | 4.59 | X | 0.9 | 2.6 | 27.3 | | 7 | 4 | | | | | | | 0 | 4 | 5 | 6 | 0 | 2 | 1 | 1 | 0 |
| 22 | Site 13 | 8/18/2014 | 22.76 | 22.76 | 22.77 | 27.70 | 27.84 | 27.84 | 7.71 | 7.71 | 7.66 | 5.20 | 5.11 | 5.02 | 1.0 | 3.5 | 20.1 | | 3 | <1 | | | | | | | 0 | 2 | 5 | 6 | 0 | 7 | 1 | 1 | 0 |
| 23 | Site 13 | 8/25/2014 | 23.93 | 23.92 | 23.92 | 27.96 | 27.96 | 27.96 | 7.83 | 7.82 | 7.79 | 5.30 | 5.28 | 5.19 | 1.3 | 3.5 | 26.0 | | 17 | 17 | | | | | | | 0 | 4 | 3 | 6 | 0 | 0 | 0 | 1 | 0 |
| 24 | Site 13 | 9/2/2014 | 25.14 | 25.09 | 24.95 | 27.56 | 28.08 | 21.72 | 7.62 | 7.62 | 7.43 | 4.12 | 4.10 | 1.06 | 0.9 | 2.4 | 25.4 | | 29 | 9 | <0.10 | <0.10 | <0.50 | <0.10 | 0.37 | | 0 | 2 | 5 | 6 | 1 | 6 | 1 | 1 | 0 |
| 25 | Site 13 | 9/8/2014 | 24.73 | 24.72 | 24.74 | 28.21 | 28.21 | 28.28 | 7.92 | 7.92 | 7.91 | 5.12 | 5.05 | 5.14 | 1.2 | 2.6 | 21.7 | | 18 | 7 | | | | | | | 0 | 4 | 5 | 3 | 3 | 2 | 1 | 3 | 1 |
| 26 | Site 13 | 9/15/2014 | 20.76 | 20.74 | 20.67 | 28.11 | 28.04 | 28.04 | 7.79 | 7.74 | 7.48 | 5.54 | 5.54 | 5.53 | 1.3 | 2.8 | 15.2 | | 12 | 18 | | | | | | | 0 | 2 | 5 | 6 | 1 | 3 | 1 | 1 | 2 |
| 27 | Site 13 | 9/22/2014 | 20.95 | 20.93 | x | 28.12 | 28.19 | x | 7.93 | 7.93 | x | 4.97 | 5.12 | x | 1.7 | 1.7 | 19.9 | | 20 | 10 | | | | | | | 1 | 4 | 5 | 6 | 2 | 7 | 1 | 1 | 1 |
| 28 | Site 13 | 9/29/2014 | 20.41 | 20.28 | x | 27.74 | 27.74 | x | 7.90 | 7.90 | x | 6.38 | 5.89 | x | 0.6 | 1.6 | 21.0 | | 110 | 22 | | | | | | | 0 | 4 | 5 | 6 | 4 | 0 | 0 | 3 | 0 |
| 29 | Site 13 | 10/6/2014 | 17.71 | 17.71 | 17.70 | 27.98 | 28.05 | 28.12 | 8.14 | 8.12 | 8.10 | 6.44 | 6.26 | 6.13 | 2.2 | 3.5 | 19.6 | | 16 | 13 | <0.10 | <0.10 | <0.50 | <0.10 | <0.10 | | 0 | 2 | 5 | 6 | 1 | 5 | 2 | 1 | 2 |
| 30 | Site 13 | 10/13/2014 | **NO SAMPLES TAKEN** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | Site 13 | 10/20/2014 | 15.85 | 15.89 | 15.95 | 28.24 | 28.24 | 28.25 | 7.92 | 7.91 | 7.82 | 6.15 | 6.21 | 6.29 | 1.9 | 2.5 | 5.5 | | 29 | 12 | | | | | | | 0 | 4 | 5 | 6 | 4 | 6 | 0 | 3 | 0 |
| 32 | Site 13 | 10/27/2014 | 13.51 | x | x | 27.64 | x | x | 8.10 | x | x | 7.60 | x | x | 1.1 | 1.3 | 13.6 | | 30 | 21 | | | | | | | 0 | 4 | 5 | 6 | 0 | 1 | 1 | 1 | 0 |

