**Friends of the Bay 2020 Water Quality Data - Site 1, Cold Spring Cove South**

| | Date | Time | H20 Temp TOP (0.5m) | H20 Temp 1.0 m | H20 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 | Floor Depth (meters) | Air Temp (°C) | H2O Temp BTM monthly AVG | Fecal Coliform Bacteria | Enterococci | Ammonia (NH3) | Nitrate NO3 | Nitrite (NO2) | Total Kjeldahl Nitrogen | Organic Nitrogen (N) | Total Nitrogen | Rainfall in 24 | Tidal Stage | Water Color | Surface Con | Cloud Cov | Wind DIR | Wind SPEED | Weather | Wave Height | | Data Entered by | Captain | Sampling Leader |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site 1 | 7/13/2020 | 12:12pm | MANTA AMPHIBIAN HANDHELD AND SENSOR NOT WORKING - WATER SAMPLE COLLECTED FOR DEPT OF HEALTH | | | | | | | | | | | | 1.1m | | 29.1 | | 107 | <1 | | | | | | | 1 | 2 | 5 | 6 | 3 | 2 | 1 | 2 | 0 | | kp | pj | pj |
| Site 1 | 7/20/2020 | 11:19AM | 25.90 | 24.79 | 23.48 | 24.03 | 24.38 | 25.46 | 8.07 | 7.92 | 7.42 | 6.06 | 4.68 | 3.51 | 0.9m | 5.87 | 34.1 | | 65 | <1 | | | | | | | 0 | 4 | 5 | 6 | 1 | 1 | 1 | 2 | 0 | | LD | PJ | pj |
| Site 1 | 7/27/2020 | 11:54AM | 26.33 | 26.38 | 24.22 | 24.31 | 24.35 | 25.71 | 8.04 | 8.03 | 7.23 | 7.23 | 5.05 | 2.68 | 0.8m | 3.64 | 32.4 | CKED DUE TO EXTREME HEAT 100+ DEGREES | | | | | | | | | 0 | 3 | 1 | 6 | 1 | 8 | 1 | 2 | 0 | | LD | PJ | PJ |
| Site 1 | 8/3/2020 | 10:33AM | 24.41 | 24.25 | 23.09 | 24.81 | 25.03 | 25.97 | 7.63 | 7.62 | 7.37 | 4.91 | 3.92 | 3.20 | 1.3m | 5.85 | 32.0 | | 46 | 2 | | | | | | | 0 | 4 | 5 | 6 | 0 | 7 | 1 | 1 | 0 | | LD | PJ | PJ |
| Site 1 | 8/10/2020 | 11:37AM | 25.32 | 23.85 | 23.42 | 24.89 | 25.81 | 26.50 | 7.73 | 7.26 | 7.12 | 3.50 | 2.91 | 3.59 | 1.2m | 4.15 | 28.4 | | 15 | <1 | | | | | | | 0 | 4 | 5 | 4 | 1 | 1 | 1 | 2 | 0 | | LD | PJ | PJ |
| Site 1 | 8/17/2020 | 10:21am | 22.82 | 23.19 | 23.34 | 22.52 | 24.87 | 26.09 | 7.51 | 7.43 | 7.33 | 3.59 | 3.03 | 3.31 | 1.2 | 5.9 | 22.7 | | 180 | 11 | | | | | | | 2 | 1 | 5 | 6 | 1 | 8 | 1 | 1 | 1 | | kp | pj | pj |
| Site 1 | 8/24/2020 | 11:52am | 25.07 | 24.58 | 24.20 | 24.76 | 26.12 | 26.70 | 7.47 | 7.49 | 7.23 | 4.41 | 3.90 | 3.40 | 1.1 | 3.89 | 31.9 | | 27 | 1 | | | | | | | 0 | 4 | 5 | ools) | 1 | 8 | 1 | 2 | 1 | | kp | pj | pj |
| Site 1 | 8/31/2020 | 10:46am | 23.44 | 24.32 | 24.47 | 24.21 | 25.37 | 26.53 | g used backup | have pH sensor | NA | 6.14 | 5.95 | 6.18 | 1.0M | 5.99 | 23.2 | | 30 | 12 | | | | | | | 1 | 4 | 5 | 6 | 4 | 0 | 0 | 3 | 0 | | kp | pj | pj |
| Site 1 | 9/8/2020 | 11:21am | 24.14 | 24.00 | 24.01 | 25.90 | 26.24 | 26.99 | g used backup | have pH sensor | | 4.08 | 3.75 | 3.91 | 1.1m | 4.53 | 27.2 | | 3 | <1 | | | | | | | 0 | 4 | 5 | d fish | 2 | 1 | 1 | 2 | 1 | | kp | pj | pj |
| Site 1 | 9/14/2020 | 9:32am | p. Malfunction, | ity, pH and DO | ent in for repair | Monitoring Equip. Malfunction, | | ity, pH and DO | ent in for repair | Water Quality Monitoring Equip. Malfunction, | | | | ity, pH and DO | ent in for repair | | 22.6 | | 34 | 7 | | | | | | | 0 | 1 | 5 | 6 | 4 | 8 | 2 | 3 | 2 | | kp | pj | pj |
| Site 1 | 9/21/2020 | 10:30am | 17.52 | 17.51 | 19.26 | 24.89 | 24.86 | 26.26 | | | | 7.55 | 7.02 | 6.82 | 0.9M | 3.69 | 16.0 | | 290 | 3 | | | | | | | 0 | 4 | 5 | 6 | 0 | 2 | 2 | 1 | 1 | | kp | pj | pj |
| Site 1 | 9/28/2020 | ANCHOR NOT HOLDING | | ANCHOR NOT HOLDING | | | ANCHOR NOT HOLDING | | | | | ANCHOR NOT HOLDING | | | | | ANCHOR NOT HOLDING | | | | ANCHOR NOT HOLDING | | ANCHOR NOT HOLDING | | | | | | | | | | | | | | | | |
| Site 1 | 10/5/2020 | 9:50 am | 18.34 | 18.36 | 19.73 | 24.79 | 24.85 | 26.49 | | broken | | 7.34 | 7.13 | 7.29 | 1.1 | 4.30 | 16.1 | | 86 | 6 | | | | | | | 0 | 4 | 5 | 6 | 4 | 3 | 1 | 3 | 1 | | PJ | PJ | PJ |
| Site 1 | 10/14/2020 | 11:20AM | 16.91 | 17.17 | 17.21 | 24.14 | 25.09 | 26.38 | SOR BROKEN | | | 7.79 | 7.67 | 7.76 | 1.40 | 6.03 | 21.7 | | 520 | 4 | | | | | | | 2 | 2 | 5 | 6 | 0 | 7 | 1 | 1 | 0 | | KP | PJ | PJ |
| Site 1 | 10/19/2020 | 9:48AM | 15,78 | 15.92 | 16.42 | 25.92 | 26.06 | 26.64 | SOR BROKEN | | | 7.75 | 7.82 | 8.07 | 2.1 | 4.25 | 17.4 | | 67 | 13 | | | | | | | 0 | 4 | 5 | 6 | 1 | 0 | 0 | 2 | 1 | | KP | PJ | PJ |
| Site 1 | 10/27/2020 | 11:08am | 15.8 | 16.10 | 16.45 | 24.31 | 24.20 | 26.79 | ph sensor broken | | | 8.14 | 8.03 | 7.61 | 2.2 | 5.49 | 13.8 | | 49 | 2 | | | | | | | 0 | 2 | 5 | 6 | 2 | 1 | 1 | 2 | 1 | | KP | PJ | PJ |
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Friends of the Bay 2020 Water Quality Data - **Site 2, Cold Spring Cove North**

| | Date | Time | H20 Temp TOP (0.5m) | H20 Temp 1.0 m | H20 Temp 0.5 m from BTM | Salinity TOP | Salinity 1.0 m | Salinity 0.5 m from BTM | PH Top | PH 1.0 m | Ph .5 m from BTM | Top DO | DO 1 m | DO 0.5 m from BTM | Secchi (meters) | Floor Depth (meters) | Air Temp | H2O Temp BTM monthly AVG | Fecal Coliform Bacteria | Enterococci | Ammonia (NH3) | Nitrate (NO3) | Nitrite (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 | | Data Entered by | Captain | Sampling Leader | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site 2 | 7/13/2020 | 12:00pm | MANTA HANDHELD FROZEN | WATER SAMPLE COLLECTED FOR DEPT OF HEALTH | | | | | | | | | | | .9m | | | 29.5 | | 119 | <1 | | | | | | 1 | 1 | 5 | 6 | 3 | 2 | 1 | 1 | 0 | | KP | PJ | pj | | | | |
| Site 2 | 7/20/2020 | 10:54am | 24.81 | 24.77 | 23.40 | 24.96 | 24.99 | 25.46 | 7.90 | 7.89 | 7.43 | 5.86 | 5.11 | 3.16 | 0.9m | 7.10 | 35.1 | | 120 | <1 | | | | | | | 0 | 4 | 5 | 2 | 1 | 8 | 1 | 2 | 0 | | LD | PJ | PJ | | | | |
| Site 2 | 7/27/2020 | 11:40AM | 25.97 | 25.69 | 24.33 | 24.30 | 4.38 | 25.66 | 8.04 | 7.98 | 7.30 | 7.43 | 5.1 | 2.68 | 0.9m | 3.19 | 35.5 | | 54 | 1 | | | | | | | 0 | 3 | 5 | 6 | 1 | 8 | 1 | 2 | 0 | | LD | PJ | PJ | | | | |
| Site 2 | 8/3/2020 | 10:21AM | 24.21 | 24.15 | 23.54 | 24.57 | 25.29 | 25.47 | 7.55 | 7.58 | 7.41 | 4.42 | 3.65 | 3.70 | 1.4m | 3.45 | 28.3 | | 26 | 1 | | | | | | | 0 | 4 | 5 | 6 | 1 | 7 | 1 | 1 | 1 | | LD | PJ | PJ | | | | |
| Site 2 | 8/10/2020 | 11:24AM | 24.099 | 23.77 | 23.00 | 25.49 | 25.69 | 26.76 | 7.56 | 7.46 | 7.19 | 3.58 | 2.73 | 1.89 | 1.2m | 5.17 | 31.6 | | 17 | 3 | | | | | | | 0 | 4 | 5 | 6 | 1 | 7 | 1 | 2 | 0 | | LD | PJ | PJ | | | | |
| Site 2 | 8/17/2020 | 10:09am | 23.52 | 23.20 | 23.17 | 25.00 | 25.23 | 25.85 | 7.55 | 7.60 | 7.35 | 5.24 | 4.28 | 4.08 | 1 | 3.80 | 22.4 | | 68 | 2 | | | | | | | 2 | 4 | 5 | 6 | 1 | 8 | 1 | 1 | 1 | | kp | pj | pj | | | | |
| Site 2 | 8/24/2020 | 11:41am | 24.85 | 24.18 | 24.13 | 25.61 | 26.14 | 26.91 | 7.35 | 7.34 | 7.34 | 3.85 | 3.76 | 3.94 | 1.1 | 5.35 | 35.9 | | 32 | <1 | | | | | | | 0 | 4 | 5 | 6 | 1 | 1 | 1 | 2 | 0 | | kp | pj | pj | | | | |
| Site 2 | 8/31/2020 | 10:34am | 24.09 | 24.07 | 24.56 | 25.90 | 26.01 | 26.71 | g used backup | have pH sensor | NA | 6.14 | 6.12 | 6.32 | 1.0m | 7.25 | 23.4 | | 10 | 1 | | | | | | | 1 | 4 | 5 | 6 | 4 | 3 | 1 | 3 | 1 | | kp | pj | pj | | | | |
| Site 2 | 9/8/2020 | 11:06am | 23.84 | 23.89 | 23.96 | 25.94 | 26.51 | 27.25 | g used backup | have pH sensor | | 3.89 | 3.87 | 3.76 | 1.4m | 6.45 | 27.9 | | 8 | <1 | | | | | | | 0 | 4 | 5 | oreline | 2 | 1 | 1 | 2 | 1 | | kp | pj | pj | | | | |
| Site 2 | 9/14/2020 | 9:27am | Water Quality Monitoring Equip. Malfunction, | unable to collect data for water temp, salinity, pH and DO | sent in for repair | Quality Monitoring Equip. Malfunction, | | ity, pH and DO | ent in for repair | Water Quality Monitoring Equip. Malfunction, | | | | ity, pH and DO | ent in for repair | | 22.7 | | 29 | <1 | | | | | | | 0 | 1 | 5 | 6 | 4 | 8 | 2 | 3 | 3 | | kp | pj | pj | | | | |
| Site 2 | 9/21/2020 | 10:19am | 18.72 | 18.82 | 19.14 | 25.35 | 25.61 | 26.05 | | | | 7.93 | 7.85 | 7.87 | 1.1M | 2.66 | 15.7 | | 220 | 2 | | | | | | | 0 | 4 | 5 | 6 | 0 | 2 | 1 | 1 | 1 | | kp | pj | pj | | | | |
| Site 2 | 9/28/2020 | 12:05 pm | 24.1 | anchor malfunction | | | anchor malfunction | | | | anchor malfunction | | | | | | | | 210 | 7 | | | | | | | 1 | 2 | 5 | 6 | 4 | 4 | 1 | 3 | 1 | | es | pj | pj | | | | |
| Site 2 | 10/5/2020 | 9:39 am | 19.41 | 19.43 | 19.81 | 25.86 | 25.87 | 26.87 | broken | | | 7.17 | 7.21 | 7.44 | 1.1 | 6.63 | 15.3 | | 22 | 3 | | | | | | | 0 | 4 | 5 | 3 | 4 | 2 | 1 | 3 | 1 | | kp | PJ | PJ | surface conditions - foam along coast and in water | | | |
| Site 2 | 10/14/2020 | 11:10am | 17.04 | 17.09 | 17.19 | 25.57 | 26.04 | 26.81 | PH SENSOR BROKEN | | | 7.81 | 7.9 | 8.04 | 1.5 | 7.90 | 18.6 | | 600 | 20 | ODERATE RAINFALL | | | | | | 2 | 2 | 5 | 6 | 0 | 7 | 1 | 1 | 0 | | KP | PJ | PJ | | | | |
| Site 2 | 10/19/2020 | 09:36am | 16.10 | 16.26 | 16.58 | 26.12 | 26.39 | 26.97 | PH SENSOR BROKEN | | | 7.78 | 7.80 | 7.93 | 1.8m | 5.84 | 17.4 | | 59 | 11 | | | | | | | 0 | 4 | 5 | 6 | 2 | 5 | 1 | 2 | 0 | | KP | PJ | pj | | | | |
| Site 2 | 10/27/2020 | 10:51am | 16.09 | 16.18 | 16.47 | 25.79 | 26.19 | 26.95 | PH SENSOR BROKEN | | | 8.02 | 7.69 | 7.58 | 1.6 | 6.37 | 13.4 | | 8 | 1 | | | | | | | 0 | 2 | 5 | 6 | 2 | 1 | 1 | 2 | 1 | | KP | PJ | pj | | | | |
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Friends of the Bay 2020 Water Quality Data - Site 3, Cold Spring Harbor South

| | Date | Time | H20 Temp TOP (0.5m) | H20 Temp 1.0 m | H20 Temp 0.5 m from BTM | Salinity TOP (0.5 m) | 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 | Floor Depth (meters) | Air Temp | H2O Temp BTM monthly AVG | Fecal Coliform Bacteria | Enterococci | Ammonia | Nitrate (N | Nitrite (N | Organic | Total Nitr | Rainfall in 24 | Tidal Stage | Water Color | Surface Cond | Cloud Cove | Wind DIRECT | Wind SPEED | Weather | Wave Height | | Data Entered by | Captain | Sampling Leade | Notes | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site 3 | 7/13/2020 | 11:46AM | IOT WORKING | AMPLE COLLECTED FOR DEPT OF HEALTH | | | | | | | | | | | 1.1m | | 27.2 | | 36 | <1 | | | | | | 1 | 2 | 5 | 6 | 2 | 8 | 1 | 1 | 1 | | kp | pj | pj | | |
| Site 3 | 7/20/2020 | 10:08AM | 24.76 | 24.14 | 23.27 | 25.02 | 25.49 | 25.56 | 7.88 | 7.81 | 7.40 | 5.80 | 4.34 | 2.55 | 1.1m | 6.35 | 31.2 | | 36 | <1 | | | | | | 0 | 4 | 5 | 6 | 1 | 8 | 1 | 2 | 0 | | LD | PJ | PJ | | |
| Site 3 | 7/27/2020 | 11:27AM | 25.52 | 25.46 | 23.87 | 25.42 | 25.49 | 26.23 | 7.79 | 7.79 | 7.33 | 5.12 | 4.23 | 2.33 | 0.9m | 4.41 | 32.5 | | 31 | 2 | | | | | | 0 | 3 | 5 | 6 | 1 | 2 | 1 | 2 | 1 | | LD | PJ | PJ | | |
| Site 3 | 8/3/2020 | 10:07AM | 23.87 | 23.84 | 21.88 | 25.76 | 25.86 | 26.28 | 7.64 | 7.63 | 7.35 | 4.84 | 4.25 | 2.28 | 1.6m | 6.29 | 27.6 | | 6 | <1 | | | | | | 0 | 4 | 5 | 6 | 1 | 7 | 1 | 1 | 0 | | LD | PJ | PJ | | |
| Site 3 | 8/10/2020 | 11:09AM | 24.31 | 24.15 | 22.99 | 26.33 | 26.54 | 26.80 | 7.60 | 7.61 | 7.29 | 5.15 | 4.20 | 3.26 | 1.2m | 4.75 | 30.2 | | 8 | <1 | | | | | | 0 | 3 | 5 | 4 | 1 | 0 | 0 | 1 | 0 | | LD | PJ | PJ | | |
| Site 3 | 8/17/2020 | 9:59am | 23.15 | 23.08 | 23.14 | 25.95 | 25.94 | 26.63 | 7.63 | 7.61 | 7.60 | 5.50 | 5.22 | 5.29 | 1.2m | 6.89 | 23.5 | | 16 | 1 | | | | | | 2 | 4 | 5 | 6 | 1 | 0 | 0 | 1 | 1 | | kp | pj | pj | | |
| Site 3 | 8/24/2020 | 11:28am | 25.00 | 24.73 | 24.09 | 26.69 | 26.64 | 27.15 | 7.48 | 7.46 | 7.37 | 4.55 | 4.02 | 4.15 | 1.2m | 4.49 | 27.7 | | 11 | 1 | | | | | | 0 | 4 | 5 | 6 | 1 | 8 | 1 | 2 | 1 | | kp | pj | pj | | |
| Site 3 | 8/31/2020 | 10:22am | 24.08 | 24.25 | 24.50 | 26.05 | 26.32 | 26.77 | ig used backup | have pH sensor | na | 6.73 | 6.50 | 6.50 | 1.0m | 6.57 | 24.2 | | 4 | 2 | | | | | | 1 | 4 | 5 | 6 | 4 | 2 | 1 | 3 | 1 | | kp | pj | pj | one dead fish | |
| Site 3 | 9/8/2020 | 10:54am | 24.14 | 24.08 | 23.93 | 26.83 | 26.82 | 27.29 | ig used backup | have pH sensor | | 4.54 | 4.30 | 4.33 | 1.5m | 5.17 | 24.7 | | 6 | <1 | | | | | | 0 | 4 | 5 | eline | 3 | 1 | 1 | 2 | 1 | | kp | pj | pj | 6- Sea foam on shoreline | |
| Site 3 | 9/14/2020 | 9:23am | Monitoring Equip. Malfunction, | | hity, pH and DO | ent in for repair | Monitoring Equip. Malfunction, | | hity, pH and DO | ent in for repair | Water Quality Monitoring Equip. Malfunction, | | | hity, pH and DO | ent in for repair | | 22.3 | | 9 | <1 | | | | | | 0 | 1 | 5 | 6 | 3 | 8 | 2 | 3 | 4 | | kp | pj | pj | | |
| Site 3 | 9/21/2020 | 10:06am | 18.95 | 18.95 | 19.73 | 26.31 | 26.92 | 27.03 | | | | 8.31 | 8.21 | 8.18 | 1.5m | 4.77 | 15.3 | | 56 | 1 | | | | | | 0 | 4 | 5 | 6 | 0 | 2 | 1 | 1 | 3 | | kp | pj | pj | | |
| Site 3 | 9/28/2020 | 11;57am | 20.56 | 20.54 | 20.20 | 27.15 | 27.15 | 27.35 | nde not working | nde not working | nde not working | 8.43 | 7.76 | 7.89 | 1.55m | 6.47 | 23.0 | | 48 | <1 | | | | | | 1 | 2 | 5 | 6 | 4 | 4 | 1 | 3 | 1 | | es | PJ | PJ | | |
| Site 3 | 10/5/2020 | 9:28 AM | 19.43 | 19.45 | 19.86 | 26.56 | 26.59 | 27.18 | | broken | | 7.76 | 7.49 | 7.6 | 1.2m | 4.93 | 16.2 | | 14 | 1 | | | | | | 0 | 4 | 5 | 6 | 4 | 2 | 1 | 3 | 1 | | kp | PJ | PJ | | |
| Site 3 | 10/14/2020 | 11:00AM | 17.19 | 17.1 | 17.15 | 26.4 | 26.41 | 27.18 | | ph sensor broken | | 8.28 | 8.26 | 8.28 | 1.6 | 6.69 | 19.8 | | 42 | <1 | | | | | | 2 | 2 | 5 | 6 | 0 | 7 | 1 | 1 | 1 | | KP | PJ | PJ | | |
| Site 3 | 10/19/2020 | 09:26am | 16.09 | 16.23 | 16.76 | 26.61 | 26.71 | 27.20 | | ph sensor broken | | 8.05 | 7.97 | 8.17 | 2.1 | 4.77 | 17.6 | | 36 | 4 | | | | | | 0 | 4 | 5 | 6 | 2 | 0 | 0 | 2 | 0 | | kp | pj | pj | | |
| Site 3 | 10/27/2020 | 10:41am | 16.24 | 16.22 | 16.75 | 26.76 | 26.79 | 27.30 | | ph sensor broken | | 8.25 | 7.97 | 7.49 | 1.6 | 6.4 | 13 | | 12 | <1 | | | | | | 0 | 2 | 5 | 6 | 2 | 1 | 1 | 2 | 1 | | kp | pj | pj | | |
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Friends of the Bay 2020 Water Quality Data - Site 4, Cold Spring Harbor North

| | Date | Time | H20 Temp TOP (0.5m) | H2O Temp 1.0 m | H20 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 | Floor Depth (meters) | Air Temp | H2O Temp BTM monthly AVG | Fecal Coliform Bacteria | Enterococci | Ammonia (NH3) | Nitrate (NO3) | Nitrite (NO2) | Organic Nitr | Total Nitr | Rainfall in 24 hours | Tidal Stage | Water Color | Surface Condition | Cloud Cover | Wind DIRECTION | Wind SPEED | Weather | Wave Height | | Data Entered by | Captain | Sampling Leader | Notes | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site 4 | 7/13/2020 | 11:34am | OT WORKING | | WATER SAMPLE COLLECTED FOR DOH | | | | | | | | | | 2m | | 27.7 | | 1 | <1 | | | | | | 1 | 2 | 5 | 6 | 2 | 2 | 1 | 1 | 0 | | kp | pj | pj | | |
| Site 4 | 7/20/2020 | 9:54AM | 25.27 | 25.17 | 22.70 | 25.37 | 25.49 | 25.87 | 8.04 | 8.02 | 7.61 | 6.65 | 5.92 | 3.99 | 1.1m | 6.73 | 36.2 | | 5 | 1 | | | | | | 0 | 4 | 5 | 6 | 1 | 6 | 1 | 2 | 0 | | LD | PJ | PJ | | |
| Site 4 | 7/27/2020 | 11:13AM | 26.07 | 26.07 | 23.39 | 26.14 | 26.09 | 26.53 | 8.06 | 8.06 | 7.48 | 8.70 | 7.34 | 4.10 | 1.3m | 5.00 | 31.3 | | <1 | <1 | | | | | | 0 | 3 | 5 | 6 | 1 | 6 | 1 | 2 | 0 | | LD | PJ | PJ | | |
| Site 4 | 8/3/2020 | 9:56AM | 24.29 | 24.25 | 21.82 | 25.84 | 26.02 | 26.38 | 7.71 | 7.70 | 7.36 | 5.18 | 4.42 | 2.66 | 1.8m | 6.89 | 30.9 | | 1 | <1 | | | | | | 0 | 4 | 5 | 6 | 1 | 7 | 1 | 1 | 1 | | LD | PJ | PJ | | |
| Site 4 | 8/10/2020 | 10:56AM | 24.85 | 24.41 | 22.63 | 26.36 | 26.50 | 27.01 | 7.83 | 7.75 | 7.40 | 5.97 | 5.26 | 4.15 | 1.2m | 5.58 | 28.0 | | 1 | 1 | | | | | | 0 | 3-4 | 5 | 6 | 0 | 5 | 1 | 1 | 0 | | LD | PJ | PJ | | |
| Site 4 | 8/17/2020 | 9:45am | 22.97 | 22.74 | 22.50 | 26.81 | 26.86 | 26.97 | 7.54 | 7.51 | 7.48 | 3.99 | 3.92 | 4.03 | 1.9m | 7.72 | 21.6 | | 5 | 1 | | | | | | 2 | 4 | 5 | 6 | 1 | 8 | 1 | 1 | 1 | | kp | pj | pj | | |
| Site 4 | 8/24/2020 | 11:10am | 25.50 | 24.79 | 26.33 | 26.88 | 27.06 | 27.32 | 7.83 | 7.75 | 7.58 | 7.10 | 6.56 | 6.06 | 1.1m | 5.15 | 28.8 | | 3 | <1 | | | | | | 0 | 4 | 5 | 6 | 1 | 8 | 1 | 2 | 1 | | kp | pj | pj | | |
| Site 4 | 8/31/2020 | 10:05am | 24.13 | 24.13 | 24.12 | 27.20 | 27.12 | 27.13 | g used backup | have pH sensor | | 6.18 | 6.23 | 6.36 | 1.4m | 7.28 | 24.4 | | 2 | <1 | | | | | | 1 | 4 | 5 | 6 | 4 | 2 | 1 | 3 | 1 | | kp | pj | pj | | |
| Site 4 | 9/8/2020 | 10:36am | 24.25 | 24.23 | 23.63 | 27.06 | 27.07 | 27.66 | g used backup | have pH sensor | | 6.15 | 5.58 | 5.71 | 1.3m | 5.69 | 26.1 | | 1 | <1 | | | | | | 0 | 4 | 5 | 6 | 4 | 1 | 1 | 3 | 1 | | kp | pj | pj | e off bow | pot them |
| Site 4 | 9/14/2020 | 9:16am | Water Quality Monitoring Equip. Malfunction, | | | ity, pH and DO | ient in for repair | Monitoring Equip. Malfunction, | | ity, pH and DO | ent in for repair | Water Quality Monitoring Equip. Malfunction, | | | ity, pH and DO | ent in for repair | 22.4 | | <1 | 1 | | | | | | 0 | 1 | 5 | 6 | 3 | 8 | 2 | 3 | 5 | | kp | pj | pj | | |
| Site 4 | 9/21/2020 | 9:55am | 19.31 | 19.32 | 19.65 | 27.09 | 27.12 | 27.23 | | | | 8.58 | 8.39 | 8.40 | 1.3m | 5.54 | 14.2 | | 3 | <1 | | | | | | 0 | 4 | 5 | 6 | 0 | 2 | 2 | 1 | 3 | | kp | pj | pj | | |
| Site 4 | 9/28/2020 | 11:43am | 20.75 | 20.76 | 20.60 | 27.43 | 27.47 | 27.64 | as not working | as not working | as not working | 9.0 | 8.70 | 8.17 | 2 | 7.21 | 22.9 | | 2 | <1 | | | | | | 1 | 2 | 5 | 6 | 4 | 4 | 2 | 3 | 2 | | es | PJ | PJ | | |
| Site 4 | 10/5/2020 | 9:12 am | 19.35 | 19.36 | 19.9 | 26.96 | 26.96 | 27.43 | | broken | | 8.26 | 7.90 | 7.836 | 1.6 | 5.53 | 15.7 | | 3 | <1 | | | | | | 0 | 4 | 5 | 6 | 4 | 2 | 1 | 3 | 1 | | kp | PJ | PJ | | |
| Site 4 | 10/14/2020 | 10:51AM | 17.37 | 17.55 | 17.70 | 27.03 | 27.41 | 27.72 | sensor broken | | | 8.19 | 8.14 | 8.31 | 2.0 | 7.30 | 16.5 | | 8 | <1 | | | | | | 2 | 2 | 5 | 6 | 0 | 7 | 1 | 1 | 1 | | kp | pj | pj | | |
| Site 4 | 10/19/2020 | 09:17am | 16.26 | 16.26 | 16.90 | 27.05 | 27.06 | 27.40 | | pH sensor broke | | 8.40 | 8.41 | 8.45 | 3.0 | 5.27 | 15.3 | | 7 | <1 | | | | | | 0 | 4 | 5 | 6 | 1 | 5 | 1 | 2 | 1 | | kp | pj | pj | | |
| Site 4 | 10/27/2020 | 10:30am | 16.66 | 16.67 | 16.89 | 27.38 | 27.39 | 27.56 | | pH sensor broke | | 7.60 | 7.54 | 7.50 | 2.6 | 6.91 | 13.2 | | <1 | <1 | | | | | | 0 | 2 | 5 | 6 | 2 | 1 | 1 | 2 | 1-2 | | kp | pj | pj | | |
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| | Friends of the Bay 2020 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | Date | Time | H20 Temp TOP (0.5m) | H20 temp 1.0 m | H20 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 | Floor Depth (meters) | Air Temp | H2O Temp BTM monthly AVG | Fecal Coliform Bacteria | Enterococci | Ammonia | Nitrate | Nitrite | Organ | Total | Rainfall in 24 hours | Tidal Stage | Water Color | Surface Condition | Cloud Cover | Wind DIRECTION | Wind SPEED | Weather | Wave Height | | Data Entered by | Captain | Sampling Leader | Notes | | | | | |
| Site 5 | 7/13/2020 | 11:26am | OT WORKING | | WATER SAMPLE COLLECTED FOR DOH | | | | | | | | | | 1.6m | | 30.4 | | 1 | 3 | RKING | | | | | 1 | 2 | 5 | 6 | 1 | 2 | 0 | 1 | 1 | | kp | pj | pj | | | | | | |
| Site 5 | 7/20/2020 | 9:33AM | 24.95 | 24.56 | 23.30 | 25.48 | 25.52 | 25.92 | 7.98 | 7.94 | 7.70 | 6.86 | 6.16 | 4.93 | 1.5m | 13.19 | 32.2 | | 1 | 1 | | | | | | 0 | 4 | 5 | 6 | 3 | 6 | 1 | 2 | 0 | | LD | PJ | PJ | | | | | | |
| Site 5 | 7/27/2020 | 11:01AM | 25.67 | 25.10 | 24.52 | 26.20 | 26.29 | 26.35 | 7.85 | 7.85 | 7.79 | 6.86 | 6.63 | 6.27 | 1.0m | 10.17 | 35.0 | | <1 | <1 | | | | | | 0 | 2 | 5 | 6 | 1 | 7 | 1 | 2 | 0 | | LD | PJ | PJ | | | | | | |
| Site 5 | 8/3/2020 | 9:44AM | 23.81 | 23.65 | 22.94 | 26.07 | 26.02 | 26.22 | 7.57 | 7.55 | 7.47 | 4.5 | 4.34 | 3.86 | 1.7m | 12.42 | 26.9 | | 3 | 1 | | | | | | 0 | 4 | 5 | 6 | 1 | 7 | 1 | 1 | 1 | | LD | PJ | PJ | | | | | | |
| Site 5 | 8/10/2020 | 10:26AM | 24.83 | 24.59 | 23.46 | 26.73 | 26.69 | 26.94 | 7.74 | 7.71 | 7.48 | 6.55 | 5.70 | 4.80 | 1.6m | 10.11 | 33.3 | | <1 | <1 | | | | | | 0 | 2 | 5 | 6 | 0 | 4 | 1 | 1 | 0 | | LD | PJ | PJ | | | | | | |
| Site 5 | 8/17/2020 | 9:30am | 23.00 | 22.82 | 22.48 | 26.73 | 26.77 | 26.92 | 7.58 | 7.55 | 7.50 | 4.47 | 4.32 | 4.15 | 2.3m | 11.6 | 21.1 | | 2 | 1 | | | | | | 2 | 4 | 5 | 6 | 1 | 8 | 2 | 2 | 1 | | kp | pj | pj | | | | | | |
| Site 5 | 8/24/2020 | 10:55am | 25.60 | 24.85 | 24.59 | 27.23 | 27.17 | 27.27 | 7.78 | 7.63 | 7.57 | 6.91 | 6.44 | 6.16 | 1.4m | 10.54 | 32.7 | | <1 | <1 | | | | | | 0 | 4 | 5 | 6 | 1 | 8 | 1 | 2 | 1 | | kp | pj | pj | | | | | | |
| Site 5 | 8/31/2020 | 9:52am | 24.17 | 24.16 | 23.93 | 27.09 | 27.08 | 27.07 | g used backup | have pH sensor | | 6.26 | 6.44 | 6.78 | 1.7m | 3.00 | 24.5 | | 1 | 8 | | | | | | 1 | 4 | 5 | 6 | 4 | 2 | 1 | 3 | 0 | | kp | pj | pj | | | | | | |
| Site 5 | 9/8/2020 | 10:22am | 24.04 | to take reading | 24.03 | 27.24 | to take reading | 27.25 | g used backup | have pH sensor | | 6.30 | to take reading | 6.58 | 1.0m | 1.86 | 26.6 | | <1 | 1 | | | | | | 0 | 4 | 5 | 6 | 2 | 1 | 1 | 2 | 0 | | kp | pj | pj | school of fish jumping | | | | | |
| Site 5 | 9/14/2020 | 9:10am | Water Quality Monitoring Equip. Malfunction, | | ity, pH and DO | | ent in for repair | Monitoring Equip. Malfunction, | | ity, pH and DO | ent in for repair | Water Quality Monitoring Equip. Malfunction, | | | ity, pH and DO | | ent in for repair | | 22.6 | 1 | 1 | | | | | 0 | 1 | 5 | 6 | 3 | 8 | 2 | 3 | 2 | | kp | pj | pj | | | | | | |
| Site 5 | 9/21/2020 | 9:40am | 19.51 | 19.61 | 19.67 | 27.26 | 27.27 | 27.32 | | | | 7.81 | 7.83 | 7.87 | 1.8m | 9.38 | 14.3 | | 2 | <1 | | | | | | 0 | 4 | 5 | 6 | 0 | 2 | 2 | 1 | 3 | | kp | pj | pj | anchor not holding | | | | | |
| Site 5 | 9/28/2020 | 11:33am | close to rocks | close to rocks | close to rocks | close to rocks | close to rocks | close to rocks | close to rocks | close to rocks | close to rocks | close to rocks | close to rocks | close to rocks | close to rocks | close to rocks | close to rocks | | 2 | <1 | | | | | | 1 | 2 | 5 | 6 | 4 | 4 | 1 | 2 | 1 | | es | PJ | PJ | | | | | | |
| Site 5 | 10/5/2020 | 8:58 am | 19.57 | 19.51 | 19.18 | 27.23 | 27.24 | 27.30 | | broken | | 8.00 | 7.94 | 7.94 | 1.9 | 5.28 | 15.9 | | 1 | <1 | | | | | | 0 | 4 | 5 | 6 | 4 | 2 | 1 | 3 | 2 | | kp | PJ | PJ | | | | | | |
| Site 5 | 10/14/2020 | 10:40AM | 17.54 | 17.56 | 17.62 | 27.66 | 27.73 | 27.86 | sensor broken | | | 7.92 | 8.01 | 8.19 | 3.0 | 5.21 | 16.3 | | 4 | 1 | | | | | | 2 | 2 | 5 | 6 | 0 | 7 | 1 | 1 | 1 | | kp | pj | pj | | | | | | |
| Site 5 | 10/19/2020 | 9:05am | 16.01 | 15.99 | 16.02 | 27.21 | 27.22 | 27.20 | | ph sensor broken | | 8.52 | 8.63 | 8.75 | botttom | 2.22 | 15.7 | | 4 | <1 | | | | | | 0 | 2 | 5 | 6 | 1 | 0 | 0 | 2 | 0 | | kp | pj | pj | debris floating on surface - leaves, scum, can | | | | | |
| Site 5 | 10/27/2020 | 10:18am | 16.86 | 16.85 | 16.89 | 27.57 | 27.55 | 27.62 | | ph sensor broken | | 7.39 | 7.39 | 7.40 | 2.5 | 4.36 | 12.8 | | 4 | <1 | | | | | | 0 | 2 | 5 | 6 | 2 | 1 | 2 | 2 | 1-2 | | kp | pj | pj | | | | | | |
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**Friends of the Bay 2020** Water Quality Data - Site 6, Seawanhaka Yacht Club PSTP outfall

| | Date | Time | H20 Temp TOP (0.5m) | H20 Temp 1.0 m | H20 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 | Floor Depth (meters) | Air Temp °C | H2O Temp BTM monthly | Fecal Coliform | Enterococcus | Ammonia | Nitrate | Nitrite | Organ | Total | Rainfall in 24 | Tidal Stage | Water Color | Surface | Cloud Cover | Wind DIREC | Wind SPEED | Weather | Wave Height | | Data Entered | Captain | Sampling | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site 6 | 7/13/2020 | 11:16am | OT WORKING | | | | T OF HEALTH | | | | | | | | 1.6 | | 27.3 | | 5 | <1 | | | | | | 1 | 2 | 5 | 6 | 1 | 2 | 1 | 1 | 0 | | kp | pj | pj | |
| Site 6 | 7/20/2020 | 9:22AM | 24.55 | 24.45 | 23.30 | 25.68 | 25.50 | 25.71 | 7.79 | 7.75 | 7.68 | 5.60 | 5.44 | 4.96 | 1.2m | 6.37 | 30.8 | | 2 | <1 | | | | | | 0 | 4 | 5 | 6 | 2 | 6 | 1 | 2 | 0 | | LD | PJ | PJ | |
| Site 6 | 7/27/2020 | 10:52AM | 25.28 | 25.25 | 24.57 | 26.32 | 26.37 | 26.47 | 7.87 | 7.87 | 7.79 | 7.04 | 6.95 | 6.59 | 0.9m | 5.08 | 31.2 | | <1 | <1 | | | | | | 0 | 2 | 5 | 6 | 1 | 7 | 1 | 2 | 0 | | LD | PJ | PJ | |
| Site 6 | 8/3/2020 | 9:30AM | 24.31 | 24.07 | 23.08 | 25.86 | 25.97 | 26.13 | 7.61 | 7.59 | 7.48 | 5.54 | 4.51 | 3.90 | 1.6m | 6.78 | 29.8 | | 1 | <1 | | | | | | 0 | 4 | 5 | 6 | 1 | 7 | 1 | 2 | 1 | | LD | PJ | PJ | |
| Site 6 | 8/10/2020 | 19:26AM | 24.36 | 24.31 | 24.15 | 26.47 | 26.71 | 26.69 | 7.68 | 7.67 | 7.65 | 6.67 | 6.54 | 6.55 | 1.5m | 5.78 | 30.5 | | 5 | 1 | | | | | | 0 | 2 | 5 | 6 | 0 | 5 | 1 | 1 | 0 | | LD | PJ | PJ | |
| Site 6 | 8/17/2020 | 9:15am | 23.12 | 23.05 | 22.54 | 26.76 | 26.70 | 26.85 | 7.58 | 7.58 | 7.52 | 4.77 | 4.64 | 4.38 | 1.9m | 9.33 | 21.3 | | 3 | 7 | | | | | | 2 | 4 | 5 | 6 | 1 | 8 | 1 | 1 | 1 | | kp | pj | pj | |
| Site 6 | 8/24/2020 | 10:40am | 25.61 | 25.23 | 24.80 | 27.13 | 27.02 | 27.06 | 7.67 | 7.66 | 7.62 | 7.18 | 6.96 | 6.81 | 1.5m | 4.87 | 32.1 | | 1 | <1 | | | | | | 0 | 4 | 5 | 6 | 1 | 8 | 1 | 2 | 0 | | kp | pj | pj | |
| Site 6 | 8/31/2020 | 9:42am | 24.25 | 24.25 | 24.23 | 26.98 | 26.98 | 27.00 | g used backup | | have pH sensor | | 6.17 | 6.16 | 6.29 | 1.4m | 7.13 | 21.6 | 1 | 7 | | | | | | 1 | 4 | 5 | 6 | 4 | 2 | 1 | 3 | 0 | | kp | pj | pj | |
| Site 6 | 9/8/2020 | 10:12am | 24.25 | 24.23 | 24.11 | 27.17 | 27.18 | 27.25 | g used backup | | have pH sensor | | 6.10 | 6.19 | 6.40 | 1.8m | 5.55 | 27.7 | <1 | <1 | | | | | | 0 | 4 | 5 | 6 | 2 | 6 | 1 | 2 | 0 | | kp | pj | pj | |
| Site 6 | 9/14/2020 | 9:06am | Water Quality Monitoring Equip. Malfunction, | | | ity, pH and DO | | ent in for repair | Monitoring Equip. Malfunction, | | ity, pH and DO | | Water Quality Monitoring Equip. Malfunction, | | | ity, pH and DO | | ent in for repair | 1 | 3 | | | | | | 0 | 1 | 5 | 6 | 3 | 8 | 2 | 3 | 2 | | kp | pj | pj | |
| Site 6 | 9/21/2020 | 9:26am | 19.73 | 19.71 | 19.64 | 27.32 | 27.30 | 27.37 | | | | | 7.60 | 7.49 | 7.41 | 1.7m | 5.35 | 14.9 | <1 | <1 | | | | | | 0 | 4 | 5 | 6 | 0 | 2 | 1 | 1 | 1 | | kp | pj | pj | |
| Site 6 | 9/28/2020 | 11;17am | 20.69 | 20.70 | 20.62 | 27.37 | 27.34 | 27.38 | nde malfunction | | nde malfunction | | 9.37 | 9.19 | 9.0 | 2.5 | 7.19 | 25.3 | 4 | <,1 | | | | | | 1 | 2 | 5 | 6 | 4 | 4 | 2 | 3 | 1 | | es | PJ | PJ | |
| Site 6 | 10/5/2020 | 8:40 am | 19.65 | 19.67 | 19.58 | 27.17 | 27.17 | 27.20 | | broken | | | 7.97 | 7.91 | 8.01 | 2.1 | 5.32 | 14.9 | <1 | <1 | | | | | | 0 | 4 | 5 | 6 | 4 | 3 | 1 | 3 | 1 | | kp | PJ | PJ | |
| Site 6 | 10/14/2020 | 10:32am | 17.36 | 17.36 | 17.50 | 27.35 | 27.35 | 27.55 | n sensor broken | | | | 8.04 | 8.07 | 8.14 | 2.0 | 7.33 | 15.6 | 12 | <1 | | | | | | 2 | 2 | 5 | 6 | 0 | 7 | 1 | 1 | 1 | | kp | pj | pj | |
| Site 6 | 10/19/2020 | 08:55am | 16.30 | 16.30 | 16.30 | 27.03 | 27.06 | 27.06 | | ph sensor broken | | | 8.52 | 8.62 | 8.81 | 3.0 | 4.75 | 12.7 | 4 | 2 | | | | | | 0 | 4 | 5 | 6 | 1 | 0 | 0 | 2 | 0 | | kp | pj | pj | |
| Site 6 | 10/27/2020 | 10:08am | 16.65 | 16.66 | 16.88 | 27.46 | 27.46 | 27.59 | | ph sensor broken | | | 7.40 | 7.35 | 7.33 | 2.7 | 6.94 | 12.5 | 2 | <1 | | | | | | 0 | 1 | 5 | 6 | 3 | 1 | 1 | 4 | 1 | | kp | pj | pj | |
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Water Quality Data - Site 6, Seawanhaka Yacht Club PSTP outfall

Friends of the Bay 2020 Water Quality Data - **Site 7, Oyster Bay Cove**

| | Date | Time | H20 Temp TOP (0.5m) | H20 Temp 1.0 m | H20 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 | Floor Depth (meters) | Air Temp | H2O Temp BTM monthly AVG | Fecal Coliform Bacteria | Enterococci | Ammonia | Nitrate (NO3) | Nitrite (NO2) | Organic Nitr | Total Nitr | Rainfall in 24 hours | Tidal Stage | Water Color | Surface Condition | Cloud Cover | Wind DIRECTION | Wind SPEED | Weather | Wave Height | | Data Entered by | Captain | Sampling Leader | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site 7 | 7/13/2020 | 10:54am | OT WORKING | | | | T OF HEALTH | | | | | | | | 1.4m | | 28.0 | | 9 | 1 | | | | | | 1 | 2 | 5 | 6 | 1 | 2 | 0 | 1 | 0 | | LD | PJ | PJ | |
| Site 7 | 7/20/2020 | 11:48AM | 26.70 | 25.88 | 24.81 | 25.68 | 25.61 | 25.42 | 7.91 | 7.89 | 7.80 | 6.79 | 6.61 | 6.12 | 1.1m | 3.76 | 30.3 | | <1 | <1 | | | | | | 0 | 1 | 5 | 6 | 1 | 8 | 1 | 2 | 0 | | LD | PJ | PJ | |
| Site 7 | 7/27/2020 | | TOO SHALLOW | | | | | | | | | | | | | | | NO SAMPLE | | | | | | | | | | | | | | | | | | LD | PJ | PJ | |
| Site 7 | 8/3/2020 | 10:59AM | 25.64 | 25.54 | 25.32 | 25.85 | 25.84 | 25.88 | 7.74 | 7.74 | 7.73 | 6.46 | 6.44 | 6.46 | 1.6m | 3.30 | 27.7 | | 2 | <1 | | | | | | 0 | 4 | 5 | 6 | 1 | 7 | 1 | 1 | 1 | | LD | PJ | PJ | |
| Site 7 | 8/10/2020 | | TIDE TOO LOW | | | | | TIDE TOO LOW | | | | | | | | | | | | | | | | | | 0 | | | | | | | | | | LD | PJ | PJ | |
| Site 7 | 8/17/2020 | 8:55am | 23.32 | 23.47 | 23.52 | 26.05 | 26.37 | 26.32 | 7.61 | 7.60 | 7.58 | 5.33 | 5.09 | 5.08 | 1.4m | 3.59 | 20.8 | | 42 | 10 | | | | | | 2 | 4 | 5 | 1 | 1 | 8 | 1 | 1 | 1 | | kp | pj | pj | |
| Site 7 | 8/24/2020 | OO SHALLOW | | DEPTH TOO SHALLOW | | DEPTH TOO SHALLOW | | | DEPTH TOO SHALLOW | | | | | | | | | | | | | | | | | | | | | | | | | | | kp | pj | pj | |
| Site 7 | 8/31/2020 | 9:24am | 23.76 | 23.80 | 23.80 | 26.67 | 26.72 | 26.76 | g used backup | | have pH sensor | 6.67 | 6.69 | 6.86 | 1.1m | 3.20 | 21.9 | | 11 | 10 | | | | | | 1 | 4 | 5 | 6 | 4 | 2 | 1 | 3 | 0 | | kp | pj | pj | |
| Site 7 | 9/8/2020 | pth too shallow | data or sample | | | tide too low /depth too shallow | | data or sample | | | | | | | | | | tide too low /depth too shallow | | or sample | | | | | | tide too low /depth too shallow | | | | sample | | | | | | kp | pj | pj | Dead fish on surface |
| Site 7 | 9/14/2020 | 8:58am | Monitoring Equip. Malfunction, | | ity, pH and DO | ent in for repair | Monitoring Equip. Malfunction, | | ity, pH and DO | | ent in for repair | Water Quality Monitoring Equip. Malfunction, | | | ity, pH and DO | | | | 22.2 | 5 | 2 | | | | | 0 | 1 | 5 | 6 | 3 | 8 | 2 | 3 | 2 | | kp | pj | pj | |
| Site 7 | 9/21/2020 | pth too shallow | tide too low /depth too shallow | | tide too low /depth too shallow | | | | | tide too low /depth too shallow | | | | | | | | tide too low /depth too shallow | | | | | tide too low /depth too shallow | | | | | | | | | | | | | KP | PJ | PJ | |
| Site 7 | 9/28/2020 | 10:57AM | 20.57 | 20.54 | 20.35 | 27.14 | 27.12 | 27.16 | as not working | | as not working | as not working | | | | | | | 5 | <1 | | | | | | 1 | 2 | 5 | 6 | 4 | 4 | 1 | 3 | 1 | | es | PJ | PJ | |
| Site 7 | 10/5/2020 | 10:13 am | 18.85 | 18.9 | 18.82 | 26.81 | 26.86 | 26.81 | | broken | | 8.16 | 8.20 | 8.29 | 1.5 | 2.45 | 18.1 | | 15 | 2 | | | | | | 0 | 4 | 5 | 3 | 4 | 2 | 1 | 3 | 1 | | kp | PJ | PJ | foam along West Shore Rd shoreline |
| Site 7 | 10/14/2020 | 10:18am | 16.54 | 16.71 | 16.69 | 26.60 | 26.81 | 26.86 | sensor broken | | | 8.30 | 8.39 | 8.49 | 1.8 | 3.87 | 18.0 | | 59 | 2 | | | | | | 2 | 2 | 5 | 6 | 0 | 7 | 1 | 1 | 0 | | kp | PJ | PJ | |
| Site 7 | 10/19/2020 | 10:10am | 15.52 | 15.74 | 15.80 | 26.86 | 26.93 | 27.04 | | ph sensor broken | | 8.74 | 8.93 | 9.02 | 1.4 | 2.36 | 15.8 | | 17 | 1 | | | | | | 0 | 4 | 5 | 6 | 1 | 1 | 1 | 2 | 1 | | kp | PJ | PJ | |
| Site 7 | 10/27/2020 | 9:56am | 16.00 | 15.95 | 16.03 | 26.87 | 26.86 | 26.98 | | ph sensor broken | | 7.83 | 7.84 | 7.90 | 2.3 | 3.69 | 12.3 | | 4 | <1 | | | | | | 0 | 1 | 5 | 6 | 4 | 1 | 1 | 3 | 2 | | kp | PJ | PJ | |
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Friends of the Bay 2020 Water Quality Data - **Site 8, Oyster Bay STP at White's Creek**

| | Date | Time | H20 Temp TOP (0.5m) | H20 Temp 1.0 m | H20 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 m | BTM DO | Secchi (meters) | Floor Depth (meters) | Air Temp (°C) | H2O Temp BTM monthly AVG | Fecal Colifor m | Entero cocci | Ammo nia (NH3) | Nitrate (NO3) | Nitrite (NO2) | Organi c Nitroge | Total Nitroge n | Rainfal l in 24 hours | Tidal Stage | Water Color | Surfac e Conditi | Cloud Cover | Wind DIREC TION | Wind SPEE D | Weath er | Wave Height | | Data Entere d by | Captai n | Sampli ng Leader |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site 8 | 7/13/2020 | 10:38AM | A AMPHIBIAN NOT WORKING | | | | T OF HEALTH | | | | | | | | 1.2m | | 35.3 | | 27 | <1 | | | | | | 1 | 2 | 5 | 6 | 1 | 7 | 0 | 1 | 0 | | LD | PJ | PJ |
| Site 8 | 7/20/2020 | 12:05AM | 26.53 | 25.14 | 24.52 | 25.55 | 25.56 | 25.57 | 7.85 | 7.85 | 7.65 | 6.20 | 5.68 | 4.88 | 1.2m | 3.75 | 31.1 | | 2 | <1 | | | | | | 0 | 4 | 5 | 6 | 1 | 8 | 1 | 2 | 0 | | LD | PJ | PJ |
| Site 8 | 7/27/2020 | 10:25AM | 25.45 | 25.14 | 25.03 | 26.14 | 26.22 | 26.27 | 7.77 | 7.75 | 7.73 | 6.44 | 6.29 | 6.20 | 1.0m | 1.80 | 31.5 | | 8 | 4 | | | | | | 0 | 2 | 5 | 6 | 1 | 7 | 2 | 2 | 0 | | LD | PJ | PJ |
| Site 8 | 8/3/2020 | 11:14AM | 25.22 | 25.46 | 24.34 | 25.85 | 25.80 | 25.90 | 7.70 | 7.73 | 7.53 | 5.73 | 5.29 | 4.49 | 1.8m | 4.37 | 31.7 | | 4 | 1 | | | | | | 0 | 4 | 5 | 6 | 1 | 7 | 1 | 1 | 1 | | LD | PJ | PJ |
| Site 8 | 8/10/2020 | 10:10AM | 24.45 | 24.19 | 23.92 | 26.57 | 26.56 | 26.60 | 7.65 | 7.61 | 7.51 | 6.07 | 5.72 | 5.69 | 1.6m | 2.38 | 29.7 | | 8 | <1 | | | | | | 0 | 2 | 5 | 6 | 0 | 8 | 1 | 1 | 0 | | LD | PJ | PJ |
| Site 8 | 8/17/2020 | 8:37am | 23.59 | 23.60 | 23.55 | 26.37 | 26.30 | 26.35 | 7.60 | 7.60 | 7.59 | 5.36 | 5.40 | 5.57 | 1.5m | 3.78 | 20.1 | | 8 | 7 | | | | | | 2 | 4 | 5 | 6 | 1 | 8 | 1 | 1 | 1 | | kp | pj | pj |
| Site 8 | 8/24/2020 | 10:19AM | 25.26 | 24.98 | 25.01 | 26.91 | 26.99 | 26.98 | 7.69 | 7.63 | 7.64 | 7.30 | 7.19 | 7.12 | 1.3m | 1.87 | 31.5 | | 4 | <1 | | | | | | 0 | 3 | 5 | 6 | 1 | 8 | 1 | 2 | 0 | | KP | PJ | PJ |
| Site 8 | 8/31/2020 | 9:09am | 24.17 | 24.18 | 24.22 | 26.78 | 26.82 | 26.81 | used backup | ave pH sensor | | 6.53 | 6.52 | 6.52 | 1.4m | 3.58 | 22..7 | | 6 | 8 | | | | | | 1 | 4 | 5 | 6 | 4 | 2 | 1 | 3 | 1 | | KP | PJ | PJ |
| Site 8 | 9/8/2020 | 9:52am | 24.02 | 24.00 | 23.86 | 26.93 | 26.91 | 26.93 | used backup | ave pH sensor | | 5.93 | 5.99 | 6.10 | 1.6m | 2.28 | 24.1 | | <1 | <1 | | | | | | 0 | 3 | 5 | 6 | 4 | 7 | 1 | 3 | 0 | | kp | pj | pj |
| Site 8 | 9/14/2020 | 8:51am | Water Quality Monitoring Equip. Malfunction, | | unable to collect data for water temp, salinity, pH and DO | ent in for repair | Monitoring Equip. Malfunction, | | ity, pH and DO | ent in for repair | Water Quality Monitoring Equip. Malfunction, | | | ity, pH and DO | ent in for repair | | 22.0 | | 5 | <1 | | | | | | 0 | 1 | 5 | 6 | 3 | 8 | 2 | 3 | 2 | | kp | pj | pj |
| Site 8 | 9/21/2020 | 9:04AM | 19.13 | tide to low to collect data for this depth | 19.15 | 27.16 | a for this depth | 27.15 | see note page | | | 7.91 | a for this depth | 7.94 | 1.6m | 2.0 | 14.5 | | 1 | 1 | | | | | | 0 | 2 | 5 | 6 | 0 | 2 | 2 | 1 | 3 | | KP | PJ | PJ |
| Site 8 | 9/28/2020 | 10:39 | 20.55 | 20.43 | 20.44 | 27.10 | 27.16 | 27.21 | OT WORKING | OT WORKING | OT WORKING | 9.11 | 8.97 | 8.67 | 2.1 | 4.09 | 22.7 | | 18 | 2 | | | | | | 1 | 2 | 5 | 6 | 4 | 4 | 1 | 3 | 1 | | es | PJ | PJ |
| Site 8 | 10/5/2020 | 10:27 | 19.36 | 19.36 | 19.36 | 27.05 | 27.04 | 27.08 | | broken | | 8.17 | 8.20 | 8.24 | 1.8 | 2.66 | 16.1 | | 1 | <1 | | | | | | 0 | 4 | 5 | 6 | 4 | 2 | 1 | 3 | 1 | | kp | PJ | PJ |
| Site 8 | 10/14/2020 | 10:07AM | 16.85 | 16.76 | 16.84 | 26.54 | 26.78 | 26.93 | SOR BROKEN | | | 8.13 | 8.20 | 8.36 | 2.1 | 4.40 | 16.3 | | 15 | <1 | | | | | | 2 | 1 | 5 | 6 | 0 | 7 | 1 | 1 | 1 | | kp | PJ | PJ |
| Site 8 | 10/19/2020 | 8:38am | 16.14 | low tide - too shallow | 16.15 | 26.94 | ide too shallow | 26.91 | | ph sensor broken | | 8.40 | | 8.63 | bottom | 1.64 | 13.3 | | 4 | 2 | | | | | | 0 | 4 | 5 | 6 | 0 | 0 | 0 | 2 | 0 | | kp | PJ | PJ |
| Site 8 | 10/27/2020 | 9:40am | 16.05 | 16.06 | 16.08 | 26.91 | 26.96 | 26.99 | | ph sensor broken | | 7.79 | 7.80 | 7.86 | 2.2 | 3.68 | 12.3 | | 3 | 1 | | | | | | 0 | 1 | 5 | 6 | 4 | 1 | 1 | 3 | 1-2 | | kp | PJ | PJ |
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Friends of the Bay **2020** Water Quality Data - **Site 9, Roosevelt Beach**

| | Date | Time | H20 Temp TOP (0.5m) | H20 Temp 1.0 m | H20 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 (m) | Depth (meters) | Air Temp | H2O Temp BTM | Fecal Coliform Bacte | Enterococci | Ammonia (NH3) | Nitrate (NO3) | Nitrite (NO2) | Organic Nitrogen | Total Nitrogen | Rainfall in 24 hours | Tidal Stage | Water Color | Surface Condition | Cloud Cover | Wind DIRECTION | Wind SPEED | Weather | Wave Height | | Data Entered by | Captain | Sampling Leader |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site 9 | 7/13/2020 | 10:22am | OT WORKING | | | | T OF HEALTH | | | | | | | | 1.9m | | 27.1 | | 6 | 1 | | | | | | 1 | 2 | 5 | 6 | 1 | 7 | 0 | 1 | 0 | | LD | PJ | PJ |
| Site 9 | 7/20/2020 | 9:02AM | 24.67 | 24.49 | 24.38 | 25.71 | 25.69 | 25.73 | 7.68 | 7.66 | 7.65 | 5.12 | 5.08 | 5.08 | 1.1m | 2.71 | 32.2 | | 6 | <1 | | | | | | 0 | 4 | 5 | 6 | 2 | 7 | 1 | 2 | 0 | | LD | PJ | PJ |
| Site 9 | 7/27/2020 | 10:14AM | 25.38 | 25.34 | 25.38 | 26.11 | 26.18 | 26.02 | 7.76 | 7.75 | 7.75 | 6.39 | 6.38 | 6.35 | 0.9m | 2.10 | 30.9 | | 3 | <1 | | | | | | 0 | 2 | 5 | 6 | 1 | 6 | 1 | 2 | 0 | | LD | PJ | PJ |
| Site 9 | 8/3/2020 | 9:09AM | 24.67 | 24.27 | 23.98 | 25.80 | 25.82 | 25.98 | 7.60 | 7.58 | 7.51 | 4.92 | 4.56 | 4.14 | 1.3m | 3.06 | 27.9 | | 8 | 2 | | | | | | 0 | 2 | 5 | 6 | 1 | 7 | 1 | 1 | 1 | | LD | PJ | PJ |
| Site 9 | 8/10/2020 | 9:42AM | 24.37 | 24.35 | 24.35 | 26.50 | 26.58 | 26.51 | 7.53 | 7.53 | 7.52 | 5.53 | 5.53 | 5.57 | 1.9m | 2.22 | 32.4 | | 3 | 3 | | | | | | 0 | 2 | 5 | 6 | 0 | N/A | 0 | 1 | 0 | | LD | PJ | PJ |
| Site 9 | 8/17/2020 | 08:24am | 23.53 | 23.58 | 23.53 | 26.31 | 26.37 | 26.68 | 7.59 | 7.58 | 7.56 | 5.17 | 4.97 | 7.98 | 1.3m | 3.41 | 21.6 | | 24 | 15 | | | | | | 2 | 4 | 5 | 6 | 1 | 8 | 1 | 1 | 1 | | kp | PJ | PJ |
| Site 9 | 8/24/2020 | 10:08AM | 25.30 | pth too shallow | 25.17 | 26.88 | pth too shallow | 26.84 | 7.62 | pth too shallow | 7.59 | 6.90 | pth too shallow | 6.85 | 1.6m | 1.66 | 29.5 | | 7 | <1 | | | | | | 0 | 3 | 5 | 6 | 1 | 8 | 1 | 2 | 0 | | KP | PJ | PJ |
| Site 9 | 8/31/2020 | 8:50am | 24.23 | 24.35 | 24.35 | 26.77 | 26.87 | 26.87 | g used backup | have pH sensor | | 6.04 | 6.00 | 6.02 | 1.2m | 3.06 | 20.2 | | 33 | 2 | | | | | | 1 | 4 | 5 | 6 | 4 | 3 | 1 | 3 | 1 | | KP | PJ | PJ |
| Site 9 | 9/8/2020 | 9:41am | 24.03 | 24.03 | 24.03 | 27.01 | 26.98 | 26.99 | g used backup | have pH sensor | | 5.56 | 5.74 | 5.86 | 1.7m | 2.10 | 24.3 | | 4 | <1 | | | | | | 0 | 3 | 5 | 6 | 4 | 5 | 1 | 3 | 0 | | kp | PJ | PJ |
| Site 9 | 9/14/2020 | 8:45am | Monitoring Equip. Malfunction, | ity, pH and DO | ent in for repair | Monitoring Equip. Malfunction, | | ity, pH and DO | | ent in for repair | Water Quality Monitoring Equip. Malfunction, | | ity, pH and DO | | ent in for repair | | 22.7 | | 3 | 1 | | | | | | 0 | 1 | 5 | 6 | 3 | 8 | 2 | 3 | 2 | | kp | PJ | PJ |
| Site 9 | 9/21/2020 | 8:35AM | 19.05 | a for this depth | 19.05 | 27.14 | a for this depth | 27.12 | see note page | | | 7.98 | a for this depth | 8.02 | na | 1.84 | 13.4 | | 8 | 3 | | | | | | 0 | 2 | 5 | 6 | 0 | 2 | 2 | 1 | 2 | | KP | PJ | PJ |
| Site 9 | 9/28/2020 | 10.27 | 20.58 | 20.54 | 20.44 | 27.17 | 27.20 | 27.25 | see note page | | | 8.97 | 8.80 | 8.67 | 2.35 | 3.99 | 23.4 | | 25 | 2 | | | | | | 1 | 2 | 5 | 6 | 4 | 4 | 1 | 3 | 1 | | es | PJ | PJ |
| Site 9 | 10/5/2020 | 8:23 am | 19.43 | low tide | 19.48 | 26.97 | low tide | 27.0 | | broken | | 7.77 | too low | 7.87 | 1.8 at bottom | 1.84 | 15.6 | | 4 | 1 | | | | | | 0 | 4 | 5 | 6 | 4 | 2 | 1 | 3 | 1 | | kp | PJ | PJ |
| Site 9 | 10/14/2020 | 9:55am | 16.83 | 16.87 | 17.15 | 26.83 | 26.87 | 27.09 | sensor broken | | | 7.98 | 8.01 | 8.11 | 2.2 | 4.0 | 15.8 | | 15 | 1 | | | | | | 2 | 1 | 5 | 6 | 0 | 6 | 1 | 1 | 1 | | kp | PJ | PJ |
| Site 9 | 10/19/2020 | 10:26am | 16.26 | 16.25 | 16.22 | 26.98 | 26.96 | 26.97 | | ph sensor broken | | 8.70 | 8.71 | 8.73 | 2.6 | 2.70 | | | 3 | 8 | | | | | | 0 | 4 | 5 | 6 | 2 | 2 | 1 | 2 | 1 | | kp | PJ | PJ |
| Site 9 | 10/27/2020 | 9:22am | 16.16 | 16.16 | 16.16 | 27.03 | 27.03 | 27.03 | | ph sensor broken | | 7.70 | 7.70 | 7.71 | 2.5 | 3.53 | 12.6 | | 3 | 1 | | | | | | 0 | 1 | 5 | 6 | 4 | 1 | 1 | 3 | 1-2 | | kp | PJ | PJ |
| Site 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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Friends of the Bay **2020** Water Quality Data - **Site 10, Beekman Beach**

| | Date | Time | H20 Temp TOP (0.5m) | H20 Temp 1.0 m | H20 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 | Floor Depth (meters) | Air Temp | H2O Temp BTM monthly AVG | Fecal Coliform Bacteria | Enterococci | Ammonia (NH3) | Nitrate (NO3) | Nitrite (NO2) | Organic Nitrogen | Total Nitrogen | Rainfall in 24 hours | Tidal Stage | Water Color | Surface Condition | Cloud Cover | Wind DIRECTION | Wind SPEED | Weather | Wave Height | | Data Entered by | Captain | Sampling Leader | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site 10 | 7/13/2020 | 10:10am | OT WORKING | | | | PT OF HEALTH | | | | | | | | 1.6m | | 35.2 | | 23 | 1 | | | | | | 1 | 2 | 5 | 6 | 1 | 7 | 1 | 1 | 1 | | LD | PJ | PJ | |
| Site 10 | 7/20/2020 | 8:48AM | 25.63 | 25.57 | 24.79 | 25.24 | 25.35 | 25.42 | 7.78 | 7.75 | 7.59 | 5.73 | 5.45 | 4.85 | 1.0m | 5.04 | 32.2 | | 15 | 2 | | | | | | 0 | 4 | 5 | 6 | 2 | 7 | 0 | 2 | 0 | | LD | PJ | PJ | |
| Site 10 | 7/27/2020 | 9:55AM | 25.67 | 25.27 | 25.08 | 25.39 | 26.01 | 26.16 | 7.76 | 7.78 | 7.70 | 6.31 | 6.22 | 6.00 | 1.4m | 4.08 | 31.8 | | 11 | 1 | | | | | | 0 | 2 | 5 | 6 | 1 | 7 | 1 | 2 | 0 | | LD | PJ | PJ | |
| Site 10 | 8/3/2020 | 8:48AM | 25.73 | 25.84 | 25.62 | 25.03 | 25.29 | 26.70 | 7.71 | 7.71 | 7.63 | 6.06 | 5.80 | 5.45 | 1.3m | 4.75 | 28.0 | | 120 | 13 | | | | | | 0 | 4 | 5 | 6 | 1 | 7 | 1 | 1 | 0 | | LD | PJ | PJ | |
| Site 10 | 8/10/2020 | 9:24AM | 24.47 | 24.48 | 24.15 | 26.38 | 26.47 | 26.44 | 7.60 | 7.62 | 7.48 | 5.77 | 5.52 | 5.28 | 1.4m | 4.18 | 30.4 | | 25 | 1 | | | | | | 0 | 2 | 5 | 6 | 0 | 0 | 1 | 1 | 0 | | LD | PJ | PJ | |
| Site 10 | 8/17/2020 | 08:11am | 23.67 | 24.07 | 23.97 | 25.52 | 26.11 | 26.31 | 7.62 | 7.61 | 7.58 | 5.61 | 5.47 | 5.58 | 1.2m | 5.14 | 20.3 | | 170 | 71 | | | | | | 2 | 4 | 5 | 4 (few) | 1 | 8 | 1 | 1 | 1 | | kp | PJ | PJ | |
| Site 10 | 8/24/2020 | 9:54am | 25.11 | 24.99 | 24.78 | 26.52 | 26.82 | 26.82 | 7.61 | 7.64 | 7.56 | 6.91 | 6.75 | 6.60 | 1.4m | 3.73 | 27.4 | | 36 | 17 | | | | | | 0 | 2 | 5 | 6 | 1 | 8 | 1 | 2 | 1 | | kp | PJ | PJ | |
| Site 10 | 8/31/2020 | 8:32am | 24.1 | 24.56 | 24.53 | 26.61 | 26.74 | 26.77 | g used backup | have pH sensor | | 6.37 | 6.29 | 6.36 | 1.2m | 5.00 | 20.9 | | 18 | 11 | | | | | | 1 | 4 | 5 | 6 | 4 | 2 | 1 | 3 | 0 | | kp | PJ | PJ | |
| Site 10 | 9/8/2020 | 9:29am | 24.15 | 24.13 | 24.10 | 26.77 | 26.82 | 26.98 | g used backup | have pH sensor | | 6.03 | 5.87 | 5.90 | 1.5m | 4.22 | 27.1 | | 6 | <1 | | | | | | 0 | 2 | 5 | 6 | 3 | 5 | 1 | 3 | 0 | | kp | PJ | PJ | |
| Site 10 | 9/14/2020 | 8:38am | Monitoring Equip. Malfunction, | | ity, pH and DO | ent in for repair | Monitoring Equip. Malfunction, | | ity, pH and DO | ent in for repair | Water Quality Monitoring Equip. Malfunction, | | | ity, pH and DO | ent in for repair | | 22.0 | | 5 | 1 | | | | | | 0 | 1 | 5 | 6 | 3 | 8 | 2 | 3 | 2 | | kp | PJ | PJ | |
| Site 10 | 9/21/2020 | 8:22AM | 18.37 | 18.68 | 19.00 | 26.13 | 26.88 | 27.08 | g used backup | have pH sensor | | 7.97 | 7.90 | 7.91 | 1.3m | 3.94 | 13.5 | | 54 | 28 | | | | | | 0 | 2 | 5 | 6 | 0 | 2 | 1 | 1 | 1 | | KP | PJ | PJ | |
| Site 10 | 9/28/2020 | 10:12 am | 20.53 | 20.48 | 20.35 | 26.77 | 27.08 | 27.15 | | sonde not working | | 8.8 | 8.67 | 8.56 | 2.1 | 5.9 | 23.1 | | 39 | 2 | | | | | | 1 | 2 | 5 | 6 | 4 | 4 | 1 | 3 | 1 | | es | PJ | PJ | |
| Site 10 | 10/5/2020 | 8:11am | 19.3 | 19.27 | 19.33 | 26.65 | 26.80 | 26.88 | | broken | | 7.68 | 7.78 | 7.93 | 1.80 | 3.95 | 14.80 | | 93 | 26 | | | | | | 0 | 3 | 5 | 3 | 4 | 2 | 1 | 3 | 1 | | kp | PJ | PJ | Surface conditions - foam along shoreline |
| Site 10 | 10/14/2020 | 9:45am | 16.72 | 16.73 | 16.64 | 26.69 | 26.72 | 26.76 | | ph sensor broken | | 7.98 | 8.94 | 8.32 | 2.6 | 6.2 | 14.5 | | 8 | <1 | | | | | | 2 | 1 | 5 | 6 | 0 | 8 | 1 | 1 | 1 | | kp | PJ | PJ | |
| Site 10 | 10/19/2020 | 08:20am | 15.84 | 15.94 | 16.13 | 26.72 | 26.74 | 26.89 | | ph sensor broken | | 8.42 | 8.46 | 8.67 | 3.2 | 3.8 | 11.3 | | 31 | 16 | | | | | | 0 | 4 | 5 | 6 | 2 | 0 | 1 | 2 | 0 | | kp | PJ | PJ | |
| Site 10 | 10/27/2020 | 9:08am | 15.73 | 15.77 | 15.80 | 26.76 | 26.77 | 26.80 | | ph sensor broken | | 7.83 | 7.84 | 7.87 | 2.5 | 4.92 | 12.6 | | 5 | <1 | | | | | | 0 | 1 | 5 | 6 | 4 | 1 | 2 | 3 | 2 | | kp | PJ | PJ | |
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Friends of the Bay **2020** Water Quality Data - Site 11, West Harbor

| | Date | Time | H20 Temp TOP (0.5m) | H20 Temp 1.0 m | H20 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 (m) | Floor Depth (meters) | Air Temp | H2O Temp BTM monthly | Fecal Colif | Enterococc | Ammonia | Nitrate | Nitrite | Organic | Total Nitro | Rainfall in | Tidal Stag | Water | Surface | Cloud | Wind DIRE | Wind SPE | Weather | Wave Height | | Data Enter | Captain | Sampling Leader |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site 11 | 7/13/2020 | 9:35am | 26.01 | 25.84 | 23.09 | 25.41 | 25.46 | 25.92 | 7.89 | 7.88 | 7.59 | 6.87 | 6.45 | 5.46 | 1.5m | 2.62 | 28.6 | g problems with motor | | | | | | | | 1 | 2 | 5 | 6 | 1 | 7 | 1 | 1 | 1 | | LD | PJ | PJ |
| Site 11 | 7/20/2020 | 8:31AM | 26.13 | 25.84 | 25.35 | 25.22 | 25.36 | 25.50 | 7.76 | 7.74 | 7.66 | 6.01 | 5.94 | 5.65 | 1.0m | 2.55 | 332.6 | | 2 | <1 | | | | | | 0 | 4 | 5 | 6 | 2 | | 0 | 2 | 0 | | LD | PJ | PJ |
| Site 11 | 7/27/2020 | 9:15AM | 26.68 | 26.75 | 25.37 | 26.01 | 26.02 | 26.18 | 7.97 | 7.96 | 7.72 | 7.87 | 7.33 | 6.36 | 0.8m | 2.91 | 30.5 | | 1 | <1 | | | | | | 0 | 2 | 5 | 6 | 1 | 6 | 1 | 2 | 0 | | LD | PJ | PJ |
| Site 11 | 8/3/2020 | 8:12AM | 25.95 | 25.91 | 25.55 | 25.36 | 25.52 | 25.65 | 7.58 | 7.56 | 7.51 | 5.13 | 4.89 | 4.68 | 1.2m | 3.18 | 27.3 | | <1 | 1 | | | | | | 0 | 4 | 5 | 6 | 3 | 7 | 1 | 2 | 1 | | LD | PJ | PJ |
| Site 11 | 8/10/2020 | 8:57AM | 25.37 | 25.35 | 25.20 | 26.20 | 26.20 | 26.33 | 7.61 | 7.61 | 7.60 | 5.88 | 5.86 | 5.87 | 1.1m | 3.69 | 28.7 | | 4 | <1 | | | | | | 0 | 2 | 5 | 6 | 0 | 5 | 1 | 1 | 0 | | LD | PJ | PJ |
| Site 11 | 8/17/2020 | 07:36am | 24.03 | 24.05 | 24.04 | 26.27 | 26.33 | 26.23 | 7.58 | 7.57 | 7.56 | 5.48 | 5.45 | 5.46 | 1.4m | 4.24 | 19.8 | | 2 | <1 | | | | | | 2 | 4 | 5 | 6 | 1 | 8 | 1 | 1 | 1 | | kp | PJ | PJ |
| Site 11 | 8/24/2020 | 9:12am | 25.67 | 25.42 | 25.23 | 26.83 | 26.85 | 26.89 | 7.76 | 7.72 | 7.65 | 7.35 | 7.16 | 7.01 | 1.0m | 2.48 | 29.6 | | 1 | 2 | | | | | | 0 | 2 | 5 | 6 | 1 | 0 | 0 | 2 | 0 | | kp | PJ | PJ |
| Site 11 | 8/31/2020 | 7:55am | 24.48 | 24.47 | 24.44 | 26.72 | 26.73 | 26.73 | g used backup | have pH sensor | | 6.48 | 6.50 | 6.59 | 1.0m | 3.44 | 19.1 | | 1 | <1 | | | | | | 1 | 3 | 5 | 6 | 4 | 2 | 1 | 3 | 0 | | kp | PJ | PJ |
| Site 11 | 9/8/2020 | 8:49am | 24.31 | 24.29 | 24.26 | 26.71 | 26.73 | 26.82 | g used backup | have pH sensor | | 6.21 | 6.12 | 6.14 | 1.1m | 2.87 | 25.1 | | 3 | <1 | | | | | | 0 | 2 | 5 | 6 | 3 | 0 | 0 | 2 | 0 | | kp | PJ | PJ |
| Site 11 | 9/14/2020 | 8:22am | Monitoring Equip. Malfunction, | ity, pH and DO | ent in for repair | Monitoring Equip. Malfunction, | ity, pH and DO | ent in for repair | | | Water Quality Monitoring Equip. Malfuncction, | | | ity, pH and DO | ent in for repair | | 21.7 | | 4 | <1 | | | | | | 0 | 4 | 5 | 6 | 3 | 8 | 2 | 3 | 2 | | kp | PJ | PJ |
| Site 11 | 9/21/2020 | 7:38AM | 17.57 | 17.58 | 17.58 | 26.96 | 26.98 | 26.99 | g used backup | have pH sensor | | 8.23 | 8.23 | 8.27 | 1.0m | 2.82 | 13.2 | | <1 | <1 | | | | | | 0 | 2 | 5 | 6 | 0 | 2 | 3 | 1 | 3 | | KP | PJ | PJ |
| Site 11 | 9/28/2020 | 9:47am | 20.44 | 20.44 | 20.40 | 27.15 | 27.14 | 27.11 | sonde broken | sonde broken | sonde broken | 8.93 | 8.80 | 8.70 | 2.2 | 4.57 | 22.9 | | 5 | 3 | | | | | | 1 | 4 | 5 | 6 | 4 | 4 | 2 | 3 | 1 | | es | PJ | PJ |
| Site 11 | 10/5/2020 | 7:44 am | 18.58 | 18.58 | 18.58 | 26.97 | 26.98 | 27.0 | | broken | | 7.54 | 7.64 | 7.79 | 1.6 | 2.9 | 14.1 | | <1 | <1 | | | | | | 0 | 3 | 5 | 6 | 4 | 2 | 1 | 3 | 1 | | kp | PJ | PJ | surface conditions - foam along West Shore Rd. shoreline |
| Site 11 | 10/14/2020 | 9:25 am | 16.76 | 16.75 | 16.78 | 26.88 | 26.90 | 26.91 | | ph sensor broken | | 8.11 | 8.24 | 8.43 | 2.9 | 4.56 | 15.5 | | 12 | <1 | | | | | | 2 | 1 | 5 | 6 | 0 | 6 | 1 | 1 | 0 | | kp | PJ | PJ |
| Site 11 | 10/19/2020 | 7:43am | 15.54 | 15.55 | 15.56 | 26.29 | 26.29 | 26.35 | | ph sensor broken | | 8.29 | 8.39 | 8.42 | 2.1 | 2.1 | 11.3 | | 18 | 11 | | | | | | 0 | 2 | 5 | 6 | 2 | 5 | 1 | 2 | 0 | | kp | PJ | PJ |
| Site 11 | 10/27/2020 | 8:42am | 15.87 | 15.89 | 15.89 | 26.87 | 26.88 | 26.86 | | ph sensor broken | | 7.76 | 7.77 | 7.86 | 2.6 | 4.3 | 12.6 | | 7 | <1 | | | | | | 0 | 1 | 5 | 6 | 4 | 1 | 1 | 3 | 2 | | kp | PJ | PJ |
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Friends of the Bay **2020** Water Quality Data - **Site 12, Turtle Cove**

| | Date | Time | H20 Temp TOP (0.5m) | H20 Temp 1.0 m | H20 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 m | BTM DO | Secchi (m) | Floor Depth (meters) | Air Temp | H2O Temp BTM monthly AVG | Fecal Coliform Bacteria | Enterococci | Ammonia (NH3) | Nitrate (NO3) | Nitrite (NO2) | Organic Nitrogen (N) | Total Nitrogen | Total Nitrogen | Rainfall in 24 hours | Tidal Stage | Water Color | Surface Condition | Cloud Cover | Wind DIRECTION | Wind SPEED | Weather | Wave Height | | Data Entered by | Captain | Sampling Leader | Notes | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site 12 | 7/13/2020 | 9:46am | A AMPHIBIAN NOT WORKING | | WATER SAMPLE COLLECTED FOR DEPT OF HEALTH | | | | | | | | | | 1.3m | | 26.5 | | <1 | <1 | | | | | | | 1 | 2 | 5 | 6 | 1 | 7 | 1 | 1 | 1 | | LD | PJ | PJ | | | | |
| Site 12 | 7/20/2020 | 11:37AM | 28.32 | 27.94 | 25.54 | 25.44 | 25.36 | 25.53 | 7.87 | 7.97 | 7.63 | 6.26 | 5.85 | 4.84 | 0.9m | 3.71 | 32.4 | | 2 | <1 | | | | | | | 0 | 1 | 5 | 6 | 2 | 1 | 1 | 2 | 0 | | LD | PJ | PJ | | | | |
| Site 12 | 7/27/2020 | 9:32AM | 27.27 | 27.26 | 25.51 | 25.94 | 26.01 | 26.01 | 7.64 | 7.63 | 7.46 | 4.79 | 4.11 | 4.26 | 0.9m | 2.00 | 30.5 | | 1 | <1 | | | | | | | 0 | 2 | 5 | 6 | 1 | 6 | 1 | 2 | 0 | | LD | PJ | PJ | | | | |
| Site 12 | 8/3/2020 | 8:23AM | 26.64 | 26.64 | 26.64 | 25.45 | 25.54 | 25.51 | 7.57 | 7.57 | 7.57 | 5.31 | 5.32 | 5.37 | 1.1m | 2.06 | 27.4 | | 15 | 8 | | | | | | | 0 | 4 | 5 | 6 | 3 | 8 | 1 | 2 | 1 | | LD | PJ | PJ | | | | |
| Site 12 | 8/10/2020 | 9:08AM | 26.32 | 26.20 | 26.94 | 26.33 | 26.34 | 26.29 | 7.69 | 7.67 | 7.58 | 5.74 | 5.50 | 5.12 | 1.2m | 1.97 | 27.6 | | <1 | <1 | | | | | | | 0 | 2 | 5 | 4 | 0 | 7 | 1 | 1 | 0 | | LD | PJ | PJ | | | | |
| Site 12 | 8/17/2020 | 7:56am | 23.83 | 23.83 | 23.80 | 26.24 | 26.33 | 26.46 | 7.60 | 7.60 | 7.59 | 5.44 | 5.45 | 5.56 | 1.5m | 3.07 | 19.9 | | 11 | <1 | | | | | | | 2 | 4 | 5 | 6 | 1 | 8 | 1 | 1 | 1 | | kp | PJ | PJ | | | | |
| Site 12 | 8/24/2020 | 9:33am | 26.45 | pth too shallow | 26.37 | 26.80 | pth too shallow | 26.86 | 7.62 | pth too shallow | 7.61 | 6.14 | pth too shallow | 6.25 | 0.5m | 1.64 | 27.8 | | 4 | <1 | | | | | | | 0 | 2 | 5 | 6 | 1 | 4 | 1 | 2 | 0 | | kp | PJ | PJ | | | | |
| Site 12 | 8/31/2020 | 8:10am | 24.01 | 24.04 | 23.45 | 26.67 | 26.69 | 26.77 | g used backup | have pH sensor | | 5.84 | 5.74 | 6.10 | 0.7m | 2.83 | 20.3 | | 2 | 1 | | | | | | | 1 | 4 | 5 | 6 | 4 | 1 | 1 | 3 | 0 | | kp | PJ | PJ | | | | |
| Site 12 | 9/8/2020 | 9:03am | 24.20 | 24.13 | 24.12 | 26.59 | 26.58 | 26.59 | g used backup | have pH sensor | | 6.28 | 6.27 | 6.38 | 0.7m | 2.10 | 24.3 | | 2 | <1 | | | | | | | 0 | 2 | 5 | 6 | 4 | 0 | 0 | 3 | 0 | | kp | PJ | PJ | Seagulls feeding on fish school | | | |
| Site 12 | 9/14/2020 | 8:28am | Water Quality Monitoring Equip. Malfunction, | | unable to collect data for water temp, salinity, pH and DO | sent in for repair | Monitoring Equip. Malfunction, | | nity, pH and DO | ent in for repair | | Water Quality Monitoring Equip. Malfunction, | | nity, pH and DO | ent in for repair | | 21.9 | | 1 | <1 | | | | | | | 0 | 4 | 5 | 6 | 3 | 8 | 2 | 3 | 2 | | kp | PJ | PJ | | | | |
| Site 12 | 9/21/2020 | 8:01AM | 17.20 | 17.20 | 17.21 | 26.97 | 26.99 | 26.98 | g used backup | have pH sensor | | 8.03 | 8.04 | 8.10 | 1.3m | 1.97 | 12.7 | | 2 | 2 | | | | | | | 0 | 2 | 5 | 6 | 0 | 2 | 2 | 1 | 2 | | KP | PJ | PJ | | | | |
| Site 12 | 9/28/2020 | 9:57am | 20.87 | 20.87 | 20.85 | 26.89 | 26.88 | 26.87 | | sonde broken | | 7.53 | 7.53 | 7.55 | 1.2 | 3.81 | 22.5 | | 18 | 4 | | | | | | | 1 | 4 | 5 | 6 | 4 | 4 | 2 | 3 | 1 | | es | PJ | PJ | | | | |
| Site 12 | 10/5/2020 | 7:58 am | 17.91 | low tide | 17.85 | 26.69 | low tide | 26.79 | | broken | | 7.10 | low tide | 7.54 | 1.6 | 1.78 | 14.2 | | 3 | 1 | | | | | | | 0 | 3 | 5 | 6 | 4 | 2 | 1 | 3 | 1 | | kp | PJ | PJ | | | | |
| Site 12 | 10/14/2020 | 9:32am | 16.15 | 16.17 | 15.85 | 26.73 | 26.74 | 26.75 | | ph senson broken | | 8.21 | 8.27 | 8.50 | 1.7 | 3.79 | 14.9 | | 6 | <1 | | | | | | | 2 | 1 | 5 | 6 | 0 | 8 | 1 | 1 | 0 | | kp | PJ | PJ | | | | |
| Site 12 | 10/19/2020 | 8:02am | 14.91 | - shallow depth | 14.91 | 26.36 | low tide | 26.36 | | ph senson broken | | 8.44 | low tide | 8.5 | 1.5 - bottom | 1.51 | 12.4 | | 14 | 1 | | | | | | | 0 | 4 | 5 | 6 | 1 | 5 | 1 | 2 | 1 | | kp | PJ | PJ | | | | |
| Site 12 | 10/27/2020 | 8:52am | 15.57 | 15.55 | 15.57 | 26.79 | 26.77 | 26.77 | | ph senson broken | | 7.46 | 7.49 | 7.61 | 1.7 | 3.55 | 12.6 | | 10 | 1 | | | | | | | 0 | 1 | 5 | 6 | 4 | 1 | 2 | 3 | 1-2 | | kp | PJ | PJ | | | | |
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Friends of the Bay **2020**Water Quality Data - **Site 13, Mill Neck Creek East**

| | Date | Time | H20 Temp TOP (0.5m) | H20 Temp 1.0 m | H20 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 (m) | Floor Depth (meters) | Air Temp | H2O Temp BTM | Fecal Coliform | Enterococci | Ammonia | Nitrate (NO | Nitrite (NO | Total Kjel | Organic Nitro | Total Nitro | Rainfall in | Tidal Stage | Water Color | Surface Condition | Cloud Cover | Wind DIRECTON | Wind SPEED | Weather | Wave Height | | Data Entered by | Captain | Sampling Leade |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site 13 | 7/13/2020 | 8:12am | 25.41 | 24.96 | 24.6 | 24.64 | 25.41 | 25.50 | 7.52 | 7.58 | 7.57 | 5.20 | 5.25 | 4.95 | 1.0m | 2.73 | 28.8 | FOR PROBLEM | | | | | | | | | 1 | 2 | 5 | 6 | 1 | 8 | 1 | 1 | 1 | | LD | PJ | PJ |
| Site 13 | 7/20/2020 | 8:14AM | 26.41 | 26.33 | 26.17 | 24.97 | 25.02 | 25.10 | 7.56 | 7.53 | 7.49 | 4.69 | 4.51 | 4.14 | 0.9m | 2.43 | 30.6 | | 49 | 13 | | | | | | | 0 | 4 | 5 | 6 | 2 | 6 | 0 | 2 | 0 | | LD | PJ | PJ |
| Site 13 | 7/27/20 | 8:47AM | 26.50 | 26.48 | 26.30 | 25.05 | 25.48 | 25.72 | 7.63 | 7.61 | 7.57 | 5.50 | 5.21 | 5.18 | 0.4m | 2.94 | 31.7 | | 51 | 5 | | | | | | | 0 | 2 | 5 | 6 | 2 | 5 | 1 | 2 | 0 | | LD | PJ | PJ |
| Site 13 | 8/3/20 | 12:33PM | 26.49 | 26.47 | 25.89 | 25.55 | 25.57 | 25.58 | 7.70 | 7.70 | 7.57 | 5.99 | 5.68 | 5.09 | 1.0m | 4.11 | 35.1 | | 5 | <1 | | | | | | | 0 | 1 | 5 | 6 | 0 | 8 | 1 | 1 | 1 | | LD | PJ | PJ |
| Site 13 | 8/10/20 | 8:14AM | 25.55 | 25.47 | 25.42 | 25.93 | 26.23 | 26.19 | 7.49 | 7.50 | 7.50 | 4.95 | 4.93 | 4.97 | 0.7m | 2.6 | 28.6 | | 11 | <1 | | | | | | | 0 | 2 | 5 | 6 | 1 | N/A | 0 | 2 | 0 | | LD | PJ | PJ |
| Site 13 | 8/17/20 | 11:58am | 24.78 | 24.30 | 24.04 | 26.24 | 26.32 | 26.35 | 7.69 | 7.69 | 7.59 | 6.36 | 6.05 | 6.01 | 1.0m | 3.99 | 26.4 | | 5 | <1 | | | | | | | 2 | 2 | 5 | 6 | 1 | 0 | 0 | 1 | 1 | | kp | PJ | PJ |
| Site 13 | 8/24/20 | 8:38am | 25.48 | 25.45 | 25.45 | 26.07 | 26.05 | 26.11 | 7.32 | 7.33 | 7.33 | 4.45 | 4.52 | 4.64 | 0.8m | 2.37 | 27.7 | | 55 | 21 | | | | | | | 0 | 2 | 5 | 6 | 1 | 4 | 1 | 2 | 0 | | kp | PJ | PJ |
| Site 13 | 8/31/20 | 12:22pm | 24.42 | 24.40 | 24.34 | 26.70 | 26.70 | 26.75 | used backup | ve pH sensor | | 6.24 | 6.13 | 6.28 | 0.9m | 4.27 | 22.0 | | 10 | 1 | | | | | | | 1 | 4 | 5 | 6 | 4 | 2 | 2 | 3 | 1 | | kp | PJ | PJ |
| Site 13 | 9/8/20 | 8:10am | 23.74 | 23.73 | 23.72 | 25.71 | 25.77 | 25.81 | used backup | ve pH sensor | | 4.40 | 4.41 | 4.50 | 0.7m | 2.80 | 21.8 | | 14 | 1 | | | | | | | 0 | 2 | 5 | 6 | 1 | 7 | 1 | 1 | 0 | | kp | PJ | PJ |
| Site 13 | 9/14/20 | 7:44am | itoring Equip. Malfunction, | y, pH and DO | t in for repair | itoring Equip. Malfunction, | y, pH and DO | t in for repair | er Quality Monitoring Equip. Malfunction, | y, pH and DO | t in for repair | | | | | | 21.5 | | 6 | 6 | | | | | | | 0 | 4 | 5 | 6 | 3 | 8 | 2 | 3 | 2 | | kp | PJ | PJ |
| Site 13 | 9/21/20 | 11:22AM | to use sonde | Tide too strong to hold position - unable to use sonde | | Tide too strong to hold position - unable to use sonde | | | | | | | | | | | 15.6 | | 42 | 5 | | | | | | | 0 | 4 | 5 | 6 | 0 | 2 | 2 | 1 | 2 | | KP | PJ | PJ |
| Site 13 | 9/28/2020 | 8:31am | 20.71 | 20.71 | 20.66 | 26.70 | 26.75 | 26.79 | sonde broken | | | 8.09 | 8.07 | 8.07 | 1.65 | 4.13 | 21.7 | | 10 | 5 | | | | | | | 1 | 4 | 5 | 6 | 4 | 6 | 1 | 3 | 1 | | es | PJ | PJ |
| Site 13 | 10/5/2020 | 11:19 am | 18.83 | 18.81 | 18.80 | 26.65 | 26.59 | 26.62 | sonde broken | | | 7.45 | 7.47 | 7.52 | 1.3 | 3.43 | 17.6 | | 6 | <1 | | | | | | | 0 | 4 | 5 | 6 | 3 | 2 | 1 | 2 | 1 | | kp | PJ | PJ |
| Site 13 | 10/14/2020 | 08:17am | 16.19 | 16.18 | 16.25 | 26.45 | 26.41 | 26.50 | ph sensor broken | | | 8.04 | 8.16 | 8.32 | 2.0 | 4.10 | 12.7 | | 46 | 2 | | | | | | | 2 | 4 | 5 | 6 | 0 | 0 | 0 | 1 | 0 | | kp | PJ | PJ |
| Site 13 | 10/19/2020 | 11:21am | 15.93 | 15.92 | 15.92 | 26.47 | 26.50 | 26.52 | ph sensor broken | | | 8.58 | 8.63 | 8.72 | 2.0 | 3.71 | 20.8 | | 15 | 3 | | | | | | | 0 | 4 | 5 | 6 | 1 | 4 | 1 | 2 | 1 | | kp | PJ | PJ |
| Site 13 | 10/27/2020 | 08:10am | 15.37 | 15.40 | 15.46 | 26.45 | 26.49 | 26.55 | ph sensor broken | | | 7.72 | 7.75 | 7.79 | 2.1 | 3.97 | 12.8 | | 15 | <1 | | | | | | | 0 | 4 | 5 | 6 | 4 | 1 | 1 | 3 | 1 | | kp | PJ | PJ |
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Friends of the Bay **2020** Water Quality Data - **Site 14, Mill Neck Creek West**

| | Date | Time | H20 Temp TOP (0.5m) | H20 Temp 1.0 m | H20 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 (m) | Floor Depth (meters) | Air Temp | H2O Temp BTM monthly AVG | Fecal Coliform Bacteria | Enterococci | Antinutrient | Nitrate | Nitrite | Chloral | Rainfall in 24 hours | Tidal Stage | Water Color | Surface Condition | Cloud Cover | Wind DIRECTON | Wind SPEED | Weather | Wave Height | | Data Entered by | Captain | Sampling Leader | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site 14 | 7/13/2020 | A AMPHIBIAN NOT WORKING | | WATER SAMPLE COLLECTED FOR DEPT OF HEALTH | | | | | | | | | | | | | | NO SPECIMEN COLLECTED MOTOR PROBLEM | | | | | | | | | | | | | | | | | LD | PJ | PJ | | | |
| Site 14 | 7/20/2020 | 7:53AM | 26.53 | N/A | 26.53 | 24.66 | N/A | 24.69 | 7.29 | N/A | 7.29 | 2.96 | N/A | 3.15 | 0.7m | 1.14 | 28.7 | | 210 | 41 | | | | | 0 | 4 | 5 | 6 | 4 | 7 | 1 | 3 | 0 | | LD | PJ | PJ | | | |
| Site 14 | 7/27/2020 | 8:38AM | 26.69 | 26.66 | 26.64 | 25.16 | 25.22 | 25.45 | 7.63 | 7.60 | 7.53 | 5.66 | 5.36 | 5.51 | 0.6m | 2.35 | 31.2 | | 46 | 6 | | | | | 0 | 2 | 5 | 6 | 2 | 5 | 1 | 2 | 0 | | LD | PJ | PJ | | | |
| Site 14 | 8/3/2020 | 12:22PM | 27.12 | 27.0 | 26.03 | 25.39 | 25.39 | 25.75 | 7.65 | 7.66 | 7.59 | 5.80 | 5.60 | 5.14 | 0.8m | 3.78 | 33.7 | | 15 | <1 | | | | | 0 | 1 | 5 | 6 | 0 | 7 | 1 | 1 | 1 | | LD | PJ | PJ | | | |
| Site 14 | 8/10/2020 | 7:55AM | 25.70 | 25.78 | 25.81 | 25.16 | 25.81 | 25.66 | 7.39 | 7.36 | 7.35 | 4.10 | 4.03 | 3.97 | 0.7m | 1.46 | 26.7 | | 24 | <1 | | | | | 0 | 2 | 5 | 6 | 1 | 6 | 1 | 2 | 0 | | LD | PJ | PJ | | | |
| Site 14 | 8/17/2020 | 11:47am | 24.36 | 24.00 | 23.91 | 25.46 | 25.83 | 26.28 | 7.54 | 7.57 | 7.53 | 5.35 | 5.32 | 5.47 | 0.8m | 3.19 | 25.9 | | 57 | 4 | | | | | 2 | 2 | 5 | 6 | 1 | 8 | 1 | 1 | 1 | | kp | PJ | PJ | | | |
| Site 14 | 8/24/2020 | 7:51am | 25.39 | 25.38 | 25.30 | 25.89 | 25.96 | 25.94 | 7.23 | 7.24 | 7.22 | 3.92 | 4.02 | 4.30 | 0.8m | 1.95 | 25.7 | | 52 | 43 | | | | | 0 | 2 | 5 | 6 | 1 | 0 | 0 | 2 | 0 | | kp | PJ | PJ | | | |
| Site 14 | 8/31/2020 | n/a | | | BOAT ENGINE BREAK IN PERIOD NOT ENOUGH TIME TO GET TO ALL 19 STATIONS DUE TO SPEED LIMITATIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | kp | PJ | PJ | | | |
| Site 14 | 9/8/2020 | 7:53am | 23.69 | 23.65 | 23.59 | 25.70 | 25.70 | 25.74 | g used backup | have pH sensor | | 4.46 | 4.49 | 4.67 | 0.9m | 1.38 | 22.9 | | 12 | 1 | | | | | 0 | 2 | 5 | 6 | 1 | 0 | 0 | 1 | 0 | | kp | PJ | PJ | | | |
| Site 14 | 9/14/2020 | 7:48am | Monitoring Equip. Malfunction, | ity, pH and DO | ent in for repair | | Monitoring Equip. Malfunction, | | ity, pH and DO | ent in for repair | | Water Quality Monitoring Equip. Malfunction, | | ity, pH and DO | ent in for repair | | 21.4 | | 14 | 2 | | | | | 0 | 4 | 5 | 6 | 3 | 8 | 2 | 3 | 2 | | kp | PJ | PJ | | | |
| Site 14 | 9/21/2020 | 11:11AM | 16.05 | 16.01 | 15.98 | 25.72 | 25.71 | 25.65 | g used backup | have pH sensor | | 7.07 | 7.11 | 7.16 | 1.0m | 2.15 | 15.09 | | 110 | 21 | | | | | 0 | 4 | 5 | 6 | 0 | 2 | 2 | 1 | 2 | | KP | PJ | PJ | Terrapin sightings | | |
| Site 14 | 9/28/2020 | 8:47 am | 20.74 | 20.73 | 20.72 | 26.75 | 26.75 | 26.73 | | sonde broken | | 7.94 | 7.94 | 7.94 | 1.6 | 2.61 | 21.9 | | 13 | 8 | | | | | 1 | 4 | 5 | 6 | 4 | 4 | 1 | 3 | 1 | | es | PJ | PJ | | | |
| Site 14 | 10/5/2020 | 11:28 am | 18.69 | 18.70 | 18.70 | 26.51 | 26.54 | 26.54 | | sonde broken | | 7.37 | 7.40 | 7.47 | 1.4 | 2.75 | 17.4 | | 15 | 2 | | | | | 0 | 4 | 5 | 6 | 3 | 2 | 1 | 2 | 1 | | kp | PJ | PJ | | | |
| Site 14 | 10/14/2020 | 08:32am | 15.67 | 16.09 | 16.12 | 25.73 | 26.29 | 26.33 | | ph sensor broken | | 7.94 | 7.99 | 8.24 | 1.9 | 3.55 | 13.1 | | 330 | 18 | | | | | 2 | 4 | 5 | 6 | 0 | 5 | 0 | 1 | 0 | | kp | PJ | PJ | | | |
| Site 14 | 10/19/2020 | 11:30am | 15.94 | 15.94 | 15.95 | 26.47 | 26.47 | 26.50 | | ph sensor broken | | 8.58 | 8.63 | 8.68 | 2.1 | 3.18 | 20.5 | | 8 | <1 | | | | | 0 | 4 | 5 | 6 | 2 | 3 | 1 | 2 | 1 | | kp | PJ | PJ | | | |
| Site 14 | 10/27/2020 | 08:19am | 15.37 | 15.38 | 15.41 | 26.47 | 26.47 | 26.50 | | ph sensor broken | | 7.73 | 7.76 | 7.83 | 2.0 | 3.34 | 12.5 | | 23 | 3 | | | | | 0 | 4 | 5 | 6 | 4 | 1 | 1 | 3 | 1 | | kp | PJ | PJ | | | |
| Site 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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Friends of the Bay 2020 Water Quality Data - Site 15, Mill Neck Creek South

| | Date | Time | H20 Temp TOP (0.5m) | H20 Temp 1.0 m | H20 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 (m) | Floor Depth (meters) | Air Temp | H2O Temp BTM monthly AVG | Fecal Coliform Bacteria | Enterococci | Ammonia (NH3) | Nitrate (NO3) | Nitrite (NO2) | Organic Nitrogen (N) | Total Nitrogen | Rainfall in 24 hours | Tidal Stage | Water Color | Surface Condition | Cloud Cover | Wind DIRECTION | Wind SPEED | Weather | Wave Height | | Data Entered by | Captain | Sampling Leader |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site 15 | 7/13/2020 | 7:59am | OT WORKING | SAMPLE COLLECTED FOR DEPT OF HEALTH | | | | | | | | | | | 0.7m | | 25.9 | | 51 | 10 | | | | | | 1 | 1 | 5 | 6 | 2 | NW | 1 | 1 | 0 | | LD | PJ | PJ |
| Site 15 | 7/20/2020 | | TIDE TOO LOW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | LD | PJ | PJ |
| Site 15 | 7/27/2020 | 7:55AM | 27.21 | OO SHALLOW | 27.23 | 25.15 | OO SHALLOW | 25.40 | 7.46 | OO SHALLOW | 7.47 | 4.72 | OO SHALLOW | 4.72 | 0.6m | 1.36 | 30.5 | | 130 | 26 | | | | | 0 | 2 | 5 | 6 | 2 | N/A | 0 | 2 | 0 | | LD | PJ | PJ |
| Site 15 | 8/3/2020 | 11:59AM | 27.76 | 27.55 | 27.23 | 24.84 | 25.00 | 25.08 | 7.51 | 7.56 | 7.59 | 5.24 | 5.44 | 5.54 | 0.8m | 2.22 | 32.6 | | 60 | 1 | | | | | 0 | 4 | 5 | 6 | 0 | 2 | 1 | 1 | 1 | | LD | PJ | PJ |
| Site 15 | 8/10/2020 | | TIDE TOO LOW | | | TIDE TOO LOW | | | TIDE TOO LOW | | | | | | | | | | | | | | | | 0 | 3 | | | | | | | | | LD | PJ | PJ |
| Site 15 | 8/17/2020 | 11:31am | 23.56 | 23.66 | 23.66 | 24.60 | 25.36 | 25.40 | 7.46 | 7.48 | 7.47 | 4.79 | 4.83 | 4.97 | 0.6m | 2.14 | 24.1 | | 780 | 51 | | | | | 2 | 2 | 5 | 6 | 1 | 8 | 1 | 1 | 1 | | kp | PJ | PJ |
| Site 15 | 8/24/202 | DO SHALLOW | eading on boat | DO SHALLOW | | DEPTH TOO SHALLOW | | | | DEPTH TOO SHALLOW | | | | | | | | | | | | | | | | | | | | | | | | | KP | PJ | PJ |
| Site 15 | 8/31/2020 | | n/a | NOUGH TIME | D LIMITATIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | KP | PJ | PJ |
| Site 15 | 9/8/2020 | pth too shallow | data or sample | tide too low /depth too shallow | | data or sample | | tide too low /depth too shallow | | data or sample | | | | | | | | tide too low /depth too shallow | or sample | | tide too low /depth too shallow | | | or sample | | | | | | | | | | | | PJ | PJ |
| Site 15 | 9/14/2020 | 7:54am | / Monitoring Equip. Malfunction, | | hity, pH and DO | ent in for repair | / Monitoring Equip. Malfunction, | | hity, pH and DO | ent in for repair | | Water Quality Monitoring Equip. Malfunction, | | hity, pH and DO | ent in for repair | | 21.5 | | 22 | 15 | | | | | 0 | 4 | 5 | 6 | 3 | 8 | 2 | 3 | 2 | | kp | PJ | PJ |
| Site 15 | 9/21/2020 | pth too shallow | | | tide too low /depth too shallow | | | | tide too low /depth too shallow | | | | | | tide too low /depth too shallow | | | | tide too low /depth too shallow | | | | | | | | | tide too low /depth too shallow | | | | | | | KP | PJ | PJ |
| Site 15 | 9/28/2020 | 9:20 | 21.16 | 21.06 | 21.06 | 25.03 | 26.39 | 26.38 | | sonde broken | | 7.49 | 7.49 | 7.52 | 0.8 | 2.24 | 23.7 | | 77 | 28 | | | | | 1 | 4 | 5 | 6 | 4 | 4 | 1 | 3 | 1 | | es | PJ | PJ |
| Site 15 | 10/5/2020 | 11:240 am | 18.63 | low | 18.58 | 25.67 | low | low25.81 | | sonde broken | | 7.43 | low | 7.58 | 0.9 | 1.58 | 19.5 | | 57 | 2 | | | | | 0 | 4 | 5 | 6 | 3 | 2 | 1 | 2 | 1 | | kp | PJ | PJ |
| Site 15 | 10/14/2020 | 09:02am | 15.53 | 15.77 | 15.76 | 24.47 | 25.23 | 25.22 | | ph sensor broken | | 7.76 | 7.93 | 8.20 | 0.8m | 2.20 | 16.9 | | 600 | 55 | | | | | 2 | 1 | 5 | 6 | 0 | 6 | 1 | 1 | 0 | | kp | PJ | PJ |
| Site 15 | 10/19/2020 | 11:48 am | 15.76 | e shallow depth | 15.69 | 25.84 | - shallow depth | 25.92 | | ph sensor broken | | 8.34 | e shallow depth | 8.45 | 1.6 | 2.05 | 21.2 | | 67 | 1 | | | | | 0 | 4 | 5 | 6 | 3 | 5 | 1 | 2 | 1 | | kp | PJ | PJ |
| Site 15 | 10/27/2020 | | | | | | | | | anchor issues | | | | | | | | | anchor issue | | | | | | | | | | | | | | anchor issue | | kp | PJ | PJ |
| Site 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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Friends of the Bay 2020 Water Quality Data - Site 16, Mill Neck Creek North

| | Date | Time | H20 Temp TOP (0.5m) | H20 Temp 1.0 m | H20 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 | BTM DO | Secchi (m) | Floor Depth (meters) | Air Temp | H2O Temp BTM monthly AVG | Fecal Coliform Bacteri | Enterococci | Ammonia (NH3) | Nitrate (NO3) | Nitrite (NO2) | Organic Nitrogen (N) | Total Nitrogen | Rainfall in 24 hours | Tidal Stage | Water Color | Surface Condition | Cloud Cover | Wind DIRECTON | Wind SPEED | Weather | Wave Height | | Data Entered by | Captain | Sampling Leader |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site 16 | 7/13/2020 | | MANTA AMPHIBIAN NOT WORKING | | WATER SAMPLE COLLECTED FOR DEPT OF HEALTH | | | | | | | | | | | NO SPECIMEN COLLECTED MOTOR PROBLEM | | | | | | | | | | | | | | | | | | | | | LD | PJ | PJ |
| Site 16 | 7/20/2020 | | TIDE TOO LOW | | | | | | | | | | | | | | | | | | | | | | | 0 | 1 | 5 | | | | | | | | LD | PJ | PJ |
| Site 16 | 7/27/2020 | 8:10AM | 26.56 | TOO SHALLOW | 26.47 | 25.52 | OO SHALLOW | 25.75 | 7.49 | OO SHALLOW | 7.56 | 5.08 | OO SHALLOW | 5.30 | 0.7m | 1.36 | 30.1 | REME HEAT 100+ DEGREES | | | | | | | 0 | 2 | 5 | 6 | 2 | 6 | 1 | 2 | 0 | | LD | PJ | PJ |
| Site 16 | 8/3/2020 | 12:13PM | 27.57 | 26.44 | 26.15 | 25.23 | 25.51 | 25.58 | 7.61 | 7.61 | 7.60 | 5.67 | 5.45 | 5.48 | 0.9m | 2.33 | 30.4 | | 36 | <1 | | | | | | 0 | 1 | 5 | 6 | 0 | 8 | 1 | 1 | 0 | | LD | PJ | PJ |
| Site 16 | 8/10/2020 | | TIDE TOO LOW | | | | TIDE TOO LOW | | | | | | | | | | | | | | | | | | | 0 | 3 | | | | | | | | | LD | PJ | PJ |
| Site 16 | 8/17/2020 | 11:41AM | 23.86 | 23.96 | 23.93 | 25.50 | 26.01 | 26.20 | 7.53 | 7.59 | 7.58 | 5.56 | 5.66 | 5.67 | 0.8m | 2.15 | 23.5 | | 260 | 7 | | | | | | 2 | 2 | 5 | 6 | 1 | 8 | 1 | 1 | 1 | | kp | pj | pj |
| Site 16 | 8/24/2020 | DEPTH TOO SHALLOW | 1.3 feet depth finder reading on boat | | DEPTH TOO SHALLOW | | | | | | DEPTH TOO SHALLOW | | | | | DEPTH TOO SHALLOW | | | | | | | | | | | | | | | | | | | KP | PJ | PJ |
| Site 16 | 8/31/2020 | n/a | BOAT ENGINE BREAK IN PERIOD NOT ENOUGH TIME TO SPEED LIMITATIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | KP | PJ | PJ |
| Site 16 | 9/8/2020 | tide too low /depth too shallow | unable to get data or sample | | tide too low /depth too shallow | | data or sample | | | tide too low /depth too shallow | | data or sample | | tide too low /depth too shallow | | data or sample | | tide too low /depth too shallow | | sample | low /depth too shallow | | | sample | tide too low /depth too shallow | | | sample | low /depth too shallow | | | sample | | kp | pj | pj |
| Site 16 | 9/14/2020 | 8:02am | Water Quality Monitoring Equip. Malfunction, | | unable to collect data for water temp, salinity, pH and DO | ent in for repair | Monitoring Equip. Malfunction, | | ity, pH and DO | ent in for repair | | Water Quality Monitoring Equip. Malfunction, | | ity, pH and DO | ent in for repair | | 21.6 | | 7 | 7 | | | | | | 0 | 4 | 5 | 6 | 3 | 8 | 2 | 3 | 2 | | kp | pj | pj |
| Site 16 | 9/21/2020 | tide too low /depth too shallow | | | tide too low /depth too shallow | | | | tide too low /depth too shallow | | | | | tide too low /depth too shallow | | | | tide too low /depth too shallow | | | | tide too low /depth too shallow | | | | | | | | | | | | | | KP | PJ | PJ |
| Site 16 | 9/28/2020 | 9.09 am | 21.03 | 20.98 | 20.89 | 26.41 | 26.52 | 26.64 | | sonde broken | | 7.65 | 7.66 | 7.63 | 1.2 | 2.42 | 21.8 | | 61 | 5 | | | | | | 1 | 4 | 5 | 6 | 4 | 4 | 1 | 3 | 1 | | es | PJ | PJ |
| Site 16 | 10/5/2020 | 11:52AM | 18.71 | DEPTH TOO SHALLOW | 18.70 | 26.57 | OO SHALLOW | 26.6 | | PH SENSOR BROKE | | 7.59 | OO SHALLOW | 7.76 | 1.2 | 1.87 | 18.9 | | 12 | 1 | | | | | | 0 | 4 | 5 | 6 | 3 | 2 | 1 | 2 | 1 | | KP | PJ | PJ |
| Site 16 | 10/14/2020 | 08:51am | 15.53 | 15.82 | 16.03 | 25.38 | 25.73 | 26.04 | | ph sensor broken | | 7.83 | 7.80 | 7.85 | 1.5 | 2.41 | 15.3 | | 210 | 55 | | | | | | 2 | 1 | 5 | 6 | 0 | 6 | 1 | 1 | 0 | | kp | pj | pj |
| Site 16 | 10/19/2020 | 11:37am | 15.73 | low tide shall depth | 15.72 | 26.22 | shallow depth | 26.23 | sensor broken | | | 8.30 | shallow depth | 8.51 | 1.8 | 2.10 | 20.8 | | 31 | 2 | | | | | | 0 | 4 | 5 | 6 | 3 | 4 | 1 | 2 | 1 | | kp | PJ | PJ |
| Site 16 | 10/27/2020 | ANCHOR ISSUE | | | | | | | | ANCHOR ISSUE | | | | | | | | anchor issue | | | | | | | | | | | | | | | ANCHOR ISSUE | | | | | |
| Site 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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Friends of the Bay **2020** Water Quality Data - Site 17, The Birches STP

| | Date | Time | H20 Temp TOP (0.5m) | H20 Temp 1.0 m | H20 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 | BTM DO | Secchi | Depth (meters) | Air Temp | H2O Temp BTM monthly AVG | Fecal Coliform Bacteria | Enterococci | Ammonia | Nitrate | Nitrite (N | Organic | Total Nit | Rainfall in 24 hours | Tidal Stage | Water Color | Surface Condit | Cloud Cover | Wind DIRECTON | Wind SPEED | Weather | Wave Height | | Data Entered by | Captain | Sampling Leader | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site 17 | 7/13/2020 | NTA AMPHIBIAN | NOT WORKING | WATER SAMPLE COLLECTED FOR DEPT OF HEALTH | | | | | | | | | | | | NO SPECIMEN COLLECTED MOTOR PROBLEM | | | | | | | | | | | | | | | | | | | | LD | PJ | PJ | |
| Site 17 | 7/20/2020 | | TIDE TOO LOW | | | | | | | | | | | | | | | | | | | | | | 0 | 1 | 5 | | 2 | | 1 | 2 | 0 | | LD | PJ | PJ | |
| Site 17 | 7/27/2020 | 8:23AM | DO SHALLOW | | 26.69 | TH TOO LOW | | 25.09 | TH TOO LOW | | 7.25 | TH TOO LOW | | 3.19 | 0.4M | 0.91 | 29.9 | | 32 | 9 | | | | | 0 | 2 | 5 | 6 | 2 | 7 | 0 | 2 | 0 | | LD | PJ | PJ | |
| Site 17 | 8/3/2020 | TOO SHALLOW | TO TAKE DATA | | | | | | | | | | | | | | | NO SPECIMEN COLLECTED | | | | | | | | | | | | | | | | | | | | | |
| Site 17 | 8/10/2020 | | TIDE TOO LOW | | | | TIDE TOO LOW | | | | | | | | | | | | | | | | | | 0 | 3 | | | | | | | | | LD | PJ | PJ | |
| Site 17 | 8/17/2020 | TOO SHALLOW | TO collect DATA | | | too shallow to collect data | | | | | | | | | | | | too shallow to collect sample | | | | | | | | | | | | | | | | | KP | PJ | PJ | |
| Site 17 | 8/24/2020 | DEPTH TOO SHALLOW | | et depth finder | reading on boat | | DEPTH TOO LOW | | | DEPTH TOO LOW | | | | DEPTH TOO LOW | | | | too shallow to collect sample | | | | | | | | | | | | | | | | | KP | PJ | PJ | |
| Site 17 | 8/31/2020 | n/a | NOUGH TIME | LIMITATIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | KP | PJ | PJ | |
| Site 17 | 9/8/2020 | v /depth too shallow | data or sample | | tide too low /depth too shallow | | data or sample | | | tide too low /depth too shallow | | data or sample | | tide too low /depth too shallow | | data or sample | | | | | tide too low /depth too shallow | | | | | sample | low /depth too shallow | | | sample | shallow | sample | | | kp | pj | pj | Many fish jumping |
| Site 17 | 9/14/2020 | 8:05am | Monitoring Equip. Malfunction, | | nity, pH and DO | ent in for repair | Monitoring Equip. Malfunction, | | nity, pH and DO | ent in for repair | Water Quality | Monitoring Equip. Malfunction, | | nity, pH and DO | ent in for repair | | 21.6 | | 33 | 10 | | | | | 0 | 4 | 5 | 6 | 3 | 8 | 2 | 3 | 2 | | kp | pj | pj | |
| Site 17 | 9/21/2020 | v /depth too shallow | | | tide too low /depth too shallow | | | | | ide too low /depth too shallow | | | | | Tide too low /depth too shallow | | | | Tide too low /depth too shallow | | | | Tide too low /depth too shallow | | | | Tide too low /depth too shallow | | | | | | | | | KP | PJ | PJ | |
| Site 17 | 9/28/2020 | 9:00 | 21.15 | shallow | 21.13 | 26.14 | shallow | 26.23 | | sonde broken | | 6.86 | shallow | 7.10 | 0.9 | 1.90 | 21.9 | | 52 | 14 | | | | | 1 | 4 | 5 | 6 | 4 | 4 | 1 | 3 | 1 | | es | PJ | PJ | too shallow to make 1 m measurements |
| Site 17 | 10/5/2020 | N TIDE - DEPTH TOO SHALLOW | | | | DEPTH TOO SHALLOW | | | | | | | | | DEPTH TO SHALLOW | | | | DEPTH TO SHALLOW | | | | | | | | | | | | | | | | | | | |
| Site 17 | 10/14/2020 | 08:41am | 15.48 | 15.52 | 15.57 | 24.97 | 24.99 | 25.04 | | ph sensor broken | | 7.56 | 7.59 | 7.65 | 1.2 | 2.08 | 15.1 | | 400 | 6 | | | | | 2 | 4 | 5 | 6 | 0 | 6 | 1 | 1 | 0 | | kp | pj | pj | |
| Site 17 | 10/19/2020 | | LOW | TIDE DEPTH TOO SHALLOW | | LOW | TIDE DEPTH TOO SHALLOW | | | | LOW | TIDE DEPTH TOO SHALLOW | | | LOW | TIDE DEPTH TOO SHALLOW | | | | | | | | | | | | | | | | | | | KP | PJ | PJ | |
| Site 17 | 10/27/2020 | ANCHOR ISSUE | | | ANCHOR ISSUE | | | | | | ANCHOR ISSUE | | | | | | | | ANCHOR ISSUE | | | | | | | | | ANCHOR ISSUE | | | | | | | | KP | PJ | PJ | |
| Site 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Site 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Friends of the Bay **2020** Water Quality Data - Site 18, Mill Neck Cove

| | Date | Time | H20 Temp TOP (0.5m) | H20 Temp 1.0 m | H20 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 | BTM DO | Secchi (m) | Floor Depth (meters) | Air Temp | H2O Temp BTM monthly AVG | Fecal Coliform Bacteria | Enterococci | Amm | Nitrate | Nitrite | Organic | Total Nit | Rainfall in 24 hours | Tidal Stage | Water Color | Surface Condition | Cloud Cover | Wind DIRECTION | Wind SPEED | Weather | Wave Height | | Data Entered by | Captain | Sampling Leader | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site 18 | 7/13/2020 | A AMPHIBIAN NOT WORKING | | WATER SAMPLE COLLECTED FOR DEPT OF HEALTH | | | | | | | | | | | | NO SPECIMEN COLLECTED MOTOR PROBLEM | | | | | | | | | | | | | | | | | | | | | LD | PJ | PJ | |
| Site 18 | 7/20/2020 | | TIDE TOO LOW | | | | | | | | | | | | | | | | | | | | | | | | 1 | 5 | | 2 | | 1 | 2 | 0 | | LD | PJ | PJ | |
| Site 18 | 7/27/2020 | 9:02AM | 26.15 | 26.13 | 26.08 | 25.95 | 25.99 | 25.04 | 7.68 | 7.71 | 7.73 | 6.34 | 6.37 | 6.37 | 0.9m | 1.77 | 31.6 | EXTREME HEAT 100+ DEGREES | 2 | <1 | | | | | | 0 | 2 | 5 | 6 | 2 | 5 | 1 | 2 | 0 | | LD | PJ | PJ | |
| Site 18 | 8/3/2020 | 12:44PM | 26.45 | 26.41 | 25.77 | 25.60 | 25.55 | 25.57 | 7.70 | 7.70 | 7.59 | 5.82 | 5.65 | 5.13 | 1.1m | 3.09 | 31.6 | | 2 | <1 | | | | | | 0 | 1 | 5 | 6 | 0 | 8 | 1 | 1 | 1 | | LD | PJ | PJ | |
| Site 18 | 8/10/2020 | 8:32AM | 25.44 | N/A | 25.39 | 26.21 | N/A | 26.20 | 7.59 | N/A | 7.57 | 5.78 | N/A | 5.81 | 1.3m | 1.63 | 28.6 | | 3 | 1 | | | | | | 0 | 2 | 5 | 6 | 0 | 6 | 1 | 1 | 0 | | LD | PJ | PJ | |
| Site 18 | 8/17/2020 | 12:06pm | 24.72 | 24.52 | 24.05 | 26.15 | 26.15 | 26.37 | 7.60 | 7.66 | 7.60 | 6.05 | 5.88 | 5.96 | 1.2m | 2.91 | 25.3 | | 12 | 1 | | | | | | 2 | 2 | 5 | 6 | 0 | 8 | 1 | 1 | 1 | | kp | pj | pj | |
| Site 18 | 8/24/220 | 8:54AM | 25.61 | O SHALLOW | 25.42 | 26.30 | O SHALLOW | 26.54 | 7.38 | OO SHALLOW | 7.46 | 5.26 | OO SHALLOW | 5.70 | 0.7M | 1.49 | 31.9 | | | | | | | | | 0 | 2 | 5 | 6 | 1 | 4 | 1 | 2 | 0 | | KP | PJ | PJ | |
| Site 18 | 8/31/2020 | 12:11PM | 24.45 | 24.43 | 24.36 | 26.82 | 26.85 | 26.91 | g used backup | have pH sensor | | 6.80 | 6.66 | 6.72 | 1.1m | 3.25 | 26.4 | | 8 | <1 | | | | | | 1 | 4 | 5 | 6 | 4 | 2 | 1 | 3 | 1 | | kp | pj | pj | |
| Site 18 | 9/8/2020 | 8:28am | 24.16 | other readings | | 26.55 | other readings | was not working | used backup | have pH sensor | | 6.06 | other readings | | 1.1m | 1.62 | 24.3 | | 2 | <1 | | | | | | 0 | 2 | 5 | 6 | 2 | 5 | 1 | 2 | 0 | | kp | pj | pj | |
| Site 18 | 9/14/2020 | 7:38am | Monitoring Equip. Malfunction, | ity, pH and DO | ent in for repair | | Monitoring Equip. Malfunction, | ity, pH and DO | ent in for repair | | Water Quality Monitoring Equip. Malfunction, | | | ity, pH and DO | ent in for repair | | 21.3 | | 23 | 9 | | | | | | 0 | 4 | 5 | 6 | 3 | 8 | 2 | 3 | 2 | | kp | pj | pj | |
| Site 18 | 9/21/2020 | 11:35AM | 17.34 | 17.34 | 17.37 | 26.62 | 26.64 | 26.64 | g used backup | have pH sensor | | 8.54 | 8.54 | 8.54 | 1.4m | 2.10 | 15.9 | | 33 | 4 | | | | | | 0 | 4 | 5 | 6 | 0 | 2 | 2 | 1 | 1 | | KP | PJ | PJ | |
| Site 18 | 9/28/2020 | 8:13am | 20.75 | 20.73 | 20.69 | 26.70 | 26.71 | 26.72 | | ph sensor broken | | 8.08 | 8.07 | 8.06 | 1.7 | 3.05 | 21.3 | | 20 | 3 | | | | | | 1 | 4 | 5 | 6 | 4 | 5 | 1 | 3 | 1 | | es | PJ | PJ | |
| Site 18 | 10/5/2020 | 11:08AM | 18.88 | 18.87 | 18.83 | 26.50 | 26.53 | 26.57 | SOR BROKEN | | | 7.66 | 7.78 | 7.93 | 1.4 | 2.30 | 18.4 | | 8 | 2 | | | | | | 0 | 4 | 5 | 6 | 4 | 2 | 1 | 3 | 1 | | KP | PJ | PJ | |
| Site 18 | 10/14/2020 | 8:00am | 16.07 | 16.16 | 16.17 | 26.25 | 26.33 | 26.37 | | ph sensor broken | | 7.90 | 7.98 | 8.16 | 1.9 | 2.99 | 12.9 | | 54 | 1 | | | | | | 2 | 4 | 5 | 6 | 0 | 0 | 0 | 1 | 0 | | kp | pj | pj | |
| Site 18 | 10/19/2020 | 11:10 am | 16.00 | 15.95 | 15.93 | 26.17 | 26.44 | 26.45 | | ph sensor broken | | 8.57 | 8.58 | 8.60 | 2.3 | 2.66 | 25.1 | | 21 | <1 | | | | | | 0 | 4 | 5 | 6 | 2 | 4 | 1 | 2 | 1 | | kp | pj | pj | |
| Site 18 | 10/27/2020 | 07:54AM | 15.37 | 15.40 | 15.41 | 26.46 | 26.45 | 26.46 | | ph sensor broken | | 7.70 | 7.70 | 7.69 | 2.0 | 2.78 | 13.0 | | 24 | <1 | | | | | | 0 | 4 | 5 | 6 | 4 | 1 | 1 | 3 | 1 | | KP | pj | pj | |
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Friends of the Bay 2020 Water Quality Data - Site 19, Flowers Oyster Hatchery

| | Date | Time | H20 Temp TOP (0.5m) | H20 Temp 1.0 m | H20 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 | BTM DO | Secchi (m) | Floor Depth (meters) | Air Temp | H2O Temp BTM monthly AVG | Fecal Coliform | Enterococci | Ammonia (NH3 | Nitrate (NO3 | Nitrite (NO2 | Organic Nitrogen | Total Nitrogen | Rainfall in 24 | Tidal Stage | Water Color | Surface Condi | Cloud Cover | Wind DIRECTO | Wind SPEED | Weather | Wave Height | | Data Entered by | Captain | Sampling Lead |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site 19 | 7/13/2020 | 9:11am | 24.89 | 24.80 | 24.35 | 25.45 | 25.54 | 25.66 | 7.72 | 7.74 | 7.65 | 6.39 | 6.10 | 5.70 | 1.4m | 3.82 | 26.6 | D MOTOR PROBLEM | | | | | | | | 1 | 2 | 5 | 6 | 1 | 8 | 1 | 1 | 1 | | kp | Pj | PJ |
| Site 19 | 7/20/2020 | 12:56PM | 27.41 | 26.46 | 25.53 | 25.37 | 25.31 | 25.39 | 7.80 | 7.78 | 7.61 | 6.65 | 5.98 | 4.77 | 0.9m | 5.13 | 31.2 | | 7 | <1 | | | | | | 0 | 1 | 5 | 6 | 2 | 1 | 1 | 2 | 0 | | LD | PJ | PJ |
| Site 19 | 7/27/2020 | 12:42PM | 27.69 | 27.44 | 26.46 | 25.62 | 25.82 | 25.92 | 7.88 | 7.86 | 7.7 | 7.27 | 6.56 | 5.85 | 0.7m | 3.7 | 32.6 | EME HEAT 100+ DEGREES | | | | | | | | 0 | 3 | 5 | 6 | 1 | 8 | 1 | 2 | 0 | | LD | PJ | PJ |
| Site 19 | 8/3/2020 | 12:55PM | 27.13 | 26.92 | 25.51 | 25.43 | 25.45 | 25.76 | 7.67 | 7.69 | 7.55 | 5.88 | 5.57 | 4.92 | 1.3m | 6.6 | 32.4 | | 2 | <1 | | | | | | 0 | 2 | 5 | 6 | 0 | 7 | 1 | 1 | 1 | | LD | PJ | PJ |
| Site 19 | 8/10/2020 | 12:26PM | 26.54 | 26.14 | 25.45 | 26.03 | 26.15 | 26.29 | 7.69 | 7.65 | 7.47 | 6.22 | 6.10 | 4.69 | 0.9m | 4.3 | 30.7 | | 1 | <1 | | | | | | 0 | 4 | 5 | 6 | 1 | 1 | 2 | 0 | | | LD | PJ | PJ |
| Site 19 | 8/17/2020 | 12:14pm | 24.64 | 24.39 | 24.01 | 26.27 | 26.25 | 26.33 | 7.67 | 7.66 | 7.57 | 6.00 | 5.74 | 5.66 | 1.1m | 6.68 | 24.0 | | 13 | <1 | | | | | | 2 | 2 | 5 | 6 | 0 | 8 | 1 | 1 | 1 | | kp | pj | pj |
| Site 19 | 8/24/2020 | IORT ON TIME | /PLES TO LAB | GET SAMPLES TO LAB - NO SAMPLE TAKEN | | | | RAN SHORT ON TIME NEEDED TO GET SAMPLES TO LAB - NO SAMPLE TAKEN | | | | | | RAN SHORT ON TIME NEEDED TO GET SAMPLES TO LAB - NO SAMPLE TAKEN | | | | | | | | | | | | | | | | | | | | | | | | |
| Site 19 | 8/31/2020 | 7:36AM | 24.50 | 24.04 | 24.04 | 26.32 | 26.33 | 26.43 | g used backup | have pH sensor | | 5.24 | 5.27 | 5.34 | 0.8m | 4.13 | 19.4 | | 14 | 1 | | | | | | 1 | 3 | 5 | 6 | 4 | 8 | 1 | 3 | 0 | | kp | pj | pj |
| Site 19 | 9/8/2020 | 12:28pm | 25.26 | 25.09 | 24.45 | 26.53 | 26.65 | 26.82 | g used backup | have pH sensor | | 6.33 | 6.06 | 6.23 | 1.100 | 4.51 | 28.1 | | 6 | <1 | | | | | | 0 | 4 | 5 | 6 | 3 | 2 | 1 | 2 | 0 | | kp | pj | pj |
| Site 19 | 9/14/2020 | 7:33am | Monitoring Equip. Malfunction, | ity, pH and DO | ent in for repair | Monitoring Equip. Malfunction, | | ity, pH and DO | ent in for repair | | Water Quality Monitoring Equip. Malfunction, | | | ity, pH and DO | ent in for repair | | 21.3 | | 18 | 3 | | | | | | 0 | 4 | 5 | 6 | 3 | 8 | 2 | 3 | 2 | | kp | pj | pj |
| Site 19 | 9/21/2020 | 11:45AM | 17.58 | 17.57 | 17.54 | 26.71 | 26.74 | 26.74 | g used backup | have pH sensor | | 8.68 | 8.68 | 8.68 | 1.3m | 4.87 | 16.6 | | 19 | <1 | | | | | | 0 | 4 | 5 | 6 | 0 | 2 | 1 | 1 | 1 | | KP | PJ | PJ |
| Site 19 | 9/28/2020 | 7:40 AM | 21.05 | 21.03 | 20.80 | 26.24 | 26.35 | 26.60 | | sonde broken | | 7.54 | 7.65 | 7.68 | 1.1 | 5.68 | 21.3 | | 54 | 17 | | | | | | 1 | 4 | 5 | 6 | 4 | 4 | 1 | 3 | 1 | | es | PJ | PJ |
| Site 19 | 10/5/2020 | 12:07PM | 19.01 | 18.99 | 18.88 | 26.57 | 26.58 | 26.68 | ISOR BROKEN | | | 7.59 | 7.54 | 7.57 | 1.30 | 5.53 | 22.4 | | 4 | <1 | | | | | | 0 | 4 | 5 | 6 | 3 | 2 | 1 | 2 | 1 | | KP | PJ | PJ |
| Site 19 | 10/14/2020 | 07:45am | 15.46 | 15.84 | 16.15 | 25.37 | 25.79 | 26.25 | ISOR BROKEN | ) sensor broken | | 7.94 | 7.95 | 8.18 | 1.6 | 4.93 | 11.3 | | 520 | 4 | | | | | | 2 | 4 | 5 | 6 | 0 | 0 | 0 | 1 | 0 | | KP | PJ | PJ |
| Site 19 | 10/19/2020 | 10:57am | 15.65 | 15.72 | 15.78 | 26.03 | 26.11 | 26.35 | ph sensor broken | | | 8.28 | 8.28 | 8.28 | 2.0 | 5.07 | 22.1 | | 33 | 6 | | | | | | 0 | 4 | 5 | 6 | 1 | 0 | 0 | 2 | 0 | | kp | pj | pj |
| Site 19 | 10/27/2020 | 07:36am | 15.20 | 15.24 | 15.40 | 26.14 | 26.18 | 26.39 | ph sensor broken | | | 7.66 | 7.71 | 7.69 | 1.9 | 4.47 | 13.1 | | 22 | 1 | | | | | | 0 | 4 | 5 | 6 | 4 | 1 | 1 | 3 | 1 | | kp | pj | pj |
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