Narragansett Bay Commission
2015 Data Report

Prepared by the Staff of the Environmental Monitoring & Data Analysis Section

April 27, 2016

Narragansett Bay Commission

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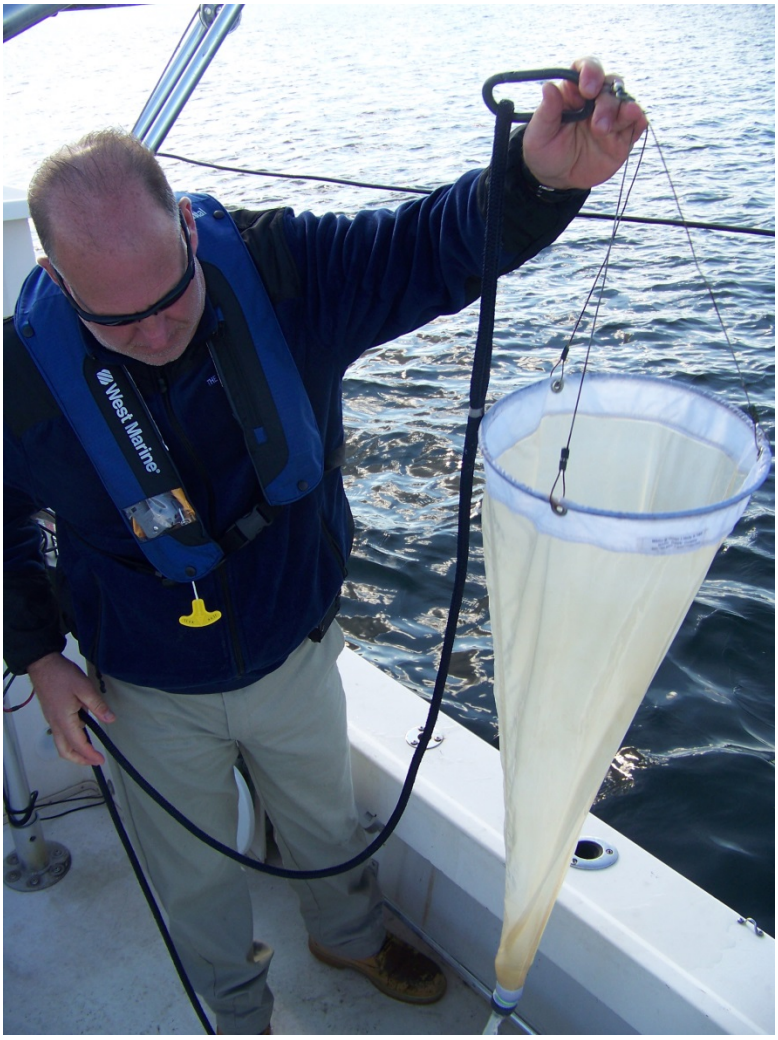
Introduction

The Narragansett Bay Commission

The Narragansett Bay Commission (NBC) was created in 1980 by the Rhode Island General Assembly to reduce the amount of pollutants Providence's Field's Point Wastewater Treatment Facility (WWTF) was discharging into Narragansett Bay and its tributaries. At that time, nearly 65 million gallons of untreated sewage flowed into Rhode Island's waterways every day, resulting in temporary and permanent closures of shellfishing beds in upper Narragansett Bay, violations of federal laws, and most importantly, a serious threat to public health and the region's environmental and economic well-being.



Plankton Sample Collection Aboard the R/V Monitor

The NBC acquired the facility from the City of Providence in 1982 and with statewide voter approval of an $87.7 million bond referendum. The NBC transformed this dilapidated facility, the third oldest wastewater treatment plant in the nation, into a state-of-the-art award winning facility. As the largest secondary wastewater treatment facility in Rhode Island and the second

largest in New England, the Field's Point WWTF provides preliminary and primary treatment for up to 200 million gallons per day (MGD) of wastewater, secondary treatment for up to 91 MGD, and had an average daily flow to the facility of 38.6 MGD in 2015. Construction of biological nutrient removal upgrades have been completed at Field's Point, and a new seasonal May through October total effluent nitrogen limit of 5.0 mg/l went into effect in May 2014. The seasonal May through October total nitrogen average for 2015 was 4.2 mg/l.

In 1992, the Rhode Island General Assembly expanded the NBC's mission by placing it in charge of the Bucklin Point WWTF in East Providence. This facility is designed to provide preliminary and primary treatment for up to 116 MGD, secondary treatment for up to 46 MGD, and had an average daily flow to the facility of 17.8 MGD in 2015. During 1999, supervisory management of this plant was privatized to Professional Services Group (PSG) and until July 1, 2015 was managed by Suez Environment/United Water. On July 1, 2015, NBC resumed management of the facility.

In the last several years the plant has undergone major upgrades to include new screening and grit facilities, wet weather facilities capable of providing primary treatment and disinfection, new fine bubble-diffusion aeration system, nutrients removal facilities, and ultraviolet disinfection of wastewater, eliminating the need to add chemicals to disinfect and dechlorinate wastewater prior to discharge. Biological nutrient removal upgrades were completed at Bucklin Point in order to meet a seasonal May through October permit limit of 5.0 mg/l total effluent nitrogen, which went into effect on July 14th, 2014. The seasonal May through October total effluent nitrogen average for 2015 was 4.3 mg/L.

The NBC now owns and operates the state's two largest WWTFs and provides quality wastewater collection and treatment services to about 360,000 persons and 7,700 commercial and industrial customers located in Providence, North Providence, Johnston, Pawtucket, Central Falls, Cumberland, Lincoln, the northern portion of East Providence, and small sections of Cranston and Smithfield.

Environmental Monitoring and Data Analysis Program Overview

The Environmental Monitoring and Data Analysis (EMDA) section evolved from the Pretreatment section, where prior to 1992, two Engineering technicians, assisted by Pretreatment staff, implemented the industrial and manhole monitoring activities. With the acquisition of the Bucklin Point WWTF in 1992, there were two separate and distinct Pretreatment programs, one for each treatment facility. Shortly thereafter, the two Pretreatment programs were united and the EMDA section was created within the NBC Planning, Policy and Regulation Division. Over the years, the EMDA section has evolved and is now responsible not only for industrial and manhole monitoring activities, but for all aspects of environmental monitoring for the NBC. EMDA staff conduct compliance monitoring for both treatment plants, river monitoring to support NBC's Interceptors and Maintenance section in their efforts to quickly locate and stop dry weather discharges of Combined Sewer Overflows (CSO), monitoring of the upper Bay for fecal coliform contamination to determine the effects of NBC CSOs on this area of the Bay and as support to NBC Engineering staff to assess the effectiveness of the CSO Abatement Project tunnel, river and upper Bay monitoring for nutrients to assess the impact of NBC nutrient removal upgrades, video monitoring of the upper Bay benthos to assess ecological changes over time, sampling of

suspected hazardous waste found in sewers during routine line cleanings and in other NBC facilities during decommissioning and demolition activities, and other sampling as needed. EMDA staff also conducts many sampling initiatives to evaluate effectiveness of new technologies, such as nutrient removal and ultraviolet disinfection.

In 2002, the NBC was awarded a grant from the United States Environmental Protection Agency (EPA) to develop a website to provide real-time data of the upper Bay receiving waters of the NBC plant outfalls. A fixed-site station was constructed at an abandoned pier at Phillipsdale Landing in East Providence, and a state-of-the-art monitoring buoy was acquired and deployed at Bullock's Reach, just north of Conimicut Point in upper Narragansett Bay. These sites provided invaluable data to the Rhode Island Department of Environmental Management (DEM) and the scientific community over the past several years and played a key role to these stakeholders in their investigation to understand the August 2003 fish kills associated with hypoxic events in Narragansett Bay. In order to maximize the utility of the NBC monitoring program to area

NBC Biologist Looking at Microscopic Organisms

stakeholders, the NBC frequently works with members of the RIDEM, several universities and environmental groups, and is also a valuable contributing member of the Rhode Island Environmental Monitoring Collaborative, an organization formed by the Governor in 2004. The NBC coordinates monitoring activities with other agencies performing monitoring statewide, and

as a result the NBC EMDA section's role in environmental monitoring and compliance issues continues to expand as compliance issues become ever more complex.

The EMDA Section continues to perform the following monitoring activities:

- Daily sampling of NBC's two WWTFs to satisfy Rhode Island Pollutant Discharge Elimination System (RIPDES) requirements;
- Sampling of each Significant Industrial User at least twice annually to satisfy and exceed EPA Pretreatment Program mandates;
- Weekly monitoring of surveillance manholes to satisfy EPA mandates;
- Monitoring of sanitary manholes to obtain data required for local limits development;
- Weekly sampling of the urban rivers for bacteria analysis;
- Sampling of 19 locations in the NBC receiving waters (i.e., the Providence and Seekonk Rivers) for bacteria analysis;
- Bimonthly sampling of rivers entering the upper Bay from Massachusetts and Rhode Island for nutrients;
- Sampling of 7 locations at surface and bottom in the Providence and Seekonk Rivers for nutrients;
- Mapping of the Providence and Seekonk Rivers for chlorophyll, dissolved oxygen (DO), temperature, and salinity;
- Video surveys of the upper Bay benthos to track changes in algae growth, species occurrences and other indicators of environmental health;
- Special project sampling for the NBC Engineering, Operations and other sections to assist in facilities planning, improvements to plant operations, etc.;
- Routine maintenance of the Fixed-Site Water Quality Monitoring buoy and land-based dock station to ensure accurate data for state partners and the public.

The NBC EMDA section has always done an excellent job of implementing monitoring initiatives; however, in the past, the public has had to specifically request data results of the NBC's sampling activities. In 2005, an annual report summarizing the 2004 monitoring data and activities of the NBC EMDA section was published. This was a great accomplishment to be able to disseminate all of the monitoring data collected by EMDA and provide statistical analyses and discern trends and fluctuations in the data over time; however, because of the vast body of data collected and analyses that were done for each data set, this type of report became too large and cumbersome to create yearly. Therefore, in order to get the data to the public sooner, a more streamlined presentation of data was created for monitoring results for each year since 2007. This report serves as a format for public dissemination of all 2015 EMDA monitoring data.

Acknowledgements

This report has been prepared by the staff of the EMDA section, under the general direction of Thomas P. Uva, Director of Planning, Policy and Regulation (PP&R). This report is a summation of the collective efforts by the Environmental Monitors and Monitoring Field Supervisors that collected in excess of 29,703 samples during 2015. It represents the countless hours of processing, compiling, analyzing and interpreting all the data by the Environmental Scientists and Assistant Manager, and data entry and general assistance by clerical staff.

The laboratory staff analyzed all of the samples collected by the EMDA section. In total, during 2015, the Laboratory generated 112,670 analyses from the samples it received. A special acknowledgement and thank you to the NBC EMDA, Laboratory, and other PP&R staff that made this report possible:

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The NBC also acknowledges the support given to the EMDA section by the NBC Chairman, Commissioner Vincent J. Mesolella; the Board of Commissioners; the Executive Director, Raymond Marshall; and all the NBC Directors.

Field's Point and Bucklin Point WWTF
Sample Collection Methodology and Practices

Introduction

It is the Narragansett Bay Commission's (NBC) mission to protect and enhance the water quality of Narragansett Bay and its tributaries through careful collection and treatment of wastewater from residences, businesses, and industries in the NBC District. The Environmental Monitoring and Data Analysis (EMDA) section's primary objective is to perform routine and adequate sampling of a wide variety of parameters to ensure that both the Field's Point and Bucklin Point Wastewater Treatment Facilities (WWTF) are effectively meeting operational and Rhode Island Pollutant Discharge Elimination System (RIPDES) permit requirements. An extensive sampling schedule employing composite and grab samples within the two WWTFs at the raw influent, primary influent, primary effluent, mixed liquor, return activated sludge, final sludge, and final effluent are necessary to keep abreast of what is introduced to and discharged from each plant, and the removal efficiencies of all conventional and non-conventional pollutants. Synthesis of these data is a continuous and ongoing process with monthly evaluations required for RIPDES discharge monitoring reports as well as periodic evaluation of the local limits that the pretreatment section uses to regulate industrial and commercial users and ensure that no upset, pollutant pass-through, process interference, or discharge permit limit violations occur. Clean sampling and sample-handling techniques, high quality laboratory measurements, and ease of access to data are the necessary ingredients to quickly identify potential problems within the plant, and to routinely reassess the removal efficiency of pollutants. All sample collection, preservation, and storage at the Field's Point and Bucklin Point WWTFs are performed with strict adherence to United States Environmental Protection Agency (EPA) protocols. The current RIPDES permits require sampling of the influent and effluent wastewater streams at the Field's Point and Bucklin Point WWTFs for toxic and conventional pollutants on a regular basis.

NBC's continuing goal is to improve receiving water quality by limiting the impact of WWTF effluent on Narragansett Bay. The NBC has analyzed and tracked the toxic pollutant loading trends at its treatment facilities since the creation of the agency. EMDA works in conjunction with the Pretreatment, Laboratory, Operations, and Engineering Sections of NBC to conduct sampling of wastewater from its sources, throughout its collection and treatment systems, and ultimately to its final fate as either sludge or as effluent in Narragansett Bay. In support of NBC's mission and RIDPES requirements, the EMDA section collected 29,703 samples and the NBC lab analyzed these samples for 112,670 parameters during 2015. WWTF sampling data for 2015 are attached and can be found in Tables 1–37. Table numbers are also referred to in each section below.

Collection of Samples at Field's Point and Bucklin Point

Samples collected to evaluate the WWTF processes are either composite samples collected over a particular time period or grab samples. Composite samples are formed by combining discrete samples taken at periodic points in time. Refrigerated ISCO autosamplers are used throughout Field's Point and Bucklin Point to collect composite samples on a regular predetermined basis. All refrigerated autosamplers are kept at 4 ^{o}C. Grab samples are discrete samples collected at

particular time periods but placed into separate sample bottles and analyzed as individual samples.

The differences in sampling between Field's Point and Bucklin Point mainly exist in the influent sampling at the interceptors into the facility and in the retention time used to determine when influent and effluent samples are collected. Field's Point influent samples are collected on a time-paced basis at the single interceptor that feeds the facility, after bar screening and prior to grit removal tanks. When samples are collected for metals or nutrient analysis, the influent and effluent samples are collected 12 hours apart with the goal of sampling the same parcel of water as it enters the plant for treatment and after treatment to evaluate the performance of the plant. For biological oxygen demand (BOD) and total suspended solids (TSS), the influent and effluent samples are collected without any time offset. Bucklin Point influent samples are collected on a time-paced basis from the two interceptors that feed the facility, the Blackstone Valley Interceptor (BVI) and the East Providence Interceptor (EPI). Composite samples are collected from both interceptors and mixed flow-proportionally. Influent and effluent samples are collected 17 hours apart with the goal of sampling the same parcel of water as it enters the plant for treatment and after treatment to evaluate the performance of the plant. At both facilities, final effluent sample collections are time-paced and downstream of all treatment processes. The final effluent represents wastewater after complete treatment just prior to entering the receiving waters of the Providence or Seekonk River. Collection of the final effluent sample at Field's Point takes place after chlorination and dechlorination of the wastewater, in the outfall channel downstream of the chlorine contact tank. The final effluent sample at Bucklin Point is collected downstream of the UV chamber in the UV building. The following are more detailed descriptions of composite sampling at both WWTFs.

Composite Sampling at Field's Point

Composite sampling at Field's Point is done on a time-paced basis. All composite samplers sample the waste stream at 30-minute intervals and take a volume of 100 mL. The samples are combined into 24-hour composites of the wastewater at the sampling location.

EMDA uses refrigerated ISCO 3700, ISCO 4700, and ISCO 6712 programmable autosamplers throughout Field's Point. The samplers are located at the influent/grit building, primary influent, primary effluent, mixed liquor east and mixed liquor west, wet weather tank influent and effluent, and final effluent. Temperatures of the samplers are maintained at 4 ^{o}C (acceptable range is 1-6 ^{o}C). The influent daily/metals, primary effluent, effluent daily, and back-up samplers are configured for 24-hour time-paced composite sampling.wo types of suction tubing are used for sampling at the Field's Point WWTF. Influent and effluent peristaltic samplers collecting trace metals samples use suction tubes lined with Teflon®. Teflon® has characteristics that enable it to be cleaned to trace-metal grade. Extra care is required in handling this tubing to prevent cracking due to its brittle nature. Peristaltic samplers not collecting trace metals samples use Tygon® tubing as suction lines.

This tubing is much more resilient and pliable. The Teflon® and Tygon® suction lines both measure ½-inch in outer diameter and ⅜-inch in inner diameter. Sampler suction lines are changed semi-annually and pump tubing changed every month. A dilute sodium hypochlorite solution is used to clean both the Teflon® and Tygon® suction line and pump tubing of the autosamplers weekly. This procedure takes place at the autosampler collection site. The Teflon® tubing is also acid washed monthly.

Environmental Monitor Sampling at the Bucklin Point WWTF

The EPA released a report in 1994 assessing historically-used trace metals sampling procedures. The report found that the levels of contamination from the sampling/vessel cleaning process resulted in metals levels higher than the bodies of water being sampled. Following the report, the EPA developed a series of recommended techniques for clean sampling that EMDA follows specifically. For influent/grit building and final effluent autosamplers that collect wastewater analyzed for trace metals and nutrients, these clean sampling methods are used to reduce contamination. The method requires acid cleaning of composite containers prior to use, and acid cleaning of suction and pump tubing. Blanks are collected to monitor and verify proper cleaning. A Nalgene polyethylene carboy is used to collect composite samples for analyses of these parameters.

Composite Sampling at Bucklin Point

Composite sampling at Bucklin Point is time-paced. The autosamplers sample the wastestream at 30-minute intervals and take a volume of 100 mL. The samples collected are time-paced, 24-hour composites of the wastewater at a sampling location.

All autosamplers used at the Bucklin Point WWTF are refrigerated peristaltic pump samplers. Autosamplers used include the ISCO sampler models 3700, 4700, 6712, and Sigma sampler model 9000. These samplers are located at BVI, EPI, primary influent, primary effluent, mixed liquor, final effluent, and wet weather effluent. Influent composite samples from the BVI and EPI are combined flow-proportionally and analyzed together for all parameters. All sample locations use the ISCO samplers, except for the primary effluent which uses the Sigma sampler. Temperatures of the refrigerated samplers are maintained at 4 ^{o}C (acceptable range is 1-6 ^{o}C) and their temperature is documented three times per day by EMDA staff. Each composite carboy container has been marked with a permanent marker to identify the sampling location at which it is used.

Influent and effluent peristaltic samplers collecting samples for trace metals use special suction tubes lined with Teflon®. Teflon® has characteristics that enable it to be cleaned to trace-metal grade. Extra care is required in handling this tubing to prevent cracking due to its brittle nature. Peristaltic samplers not collecting trace metals samples use Tygon® tubing as suction lines. This tubing is much more resilient and pliable. The Teflon® and Tygon® suction lines both measure ½-inch in outer diameter and ⅜-inch in inner diameter. Sampler suction lines are changed semi-annually and pump tubing changed every month. A dilute sodium hypochlorite solution is used to clean both the Teflon® and Tygon® suction line and pump tubing of the autosamplers weekly. This procedure takes place at the autosampler collection site. The Teflon® tubing is also acid washed monthly.

As mentioned above for Field's Point, Bucklin Point also uses the EPA-recommended clean sampling techniques for sample collection of wastewater for metals and nutrients analyses. The clean sampling method requires acid cleaning of composite containers prior to use and acid cleaning of suction and pump tubing. Blanks are collected to monitor and verify proper cleaning. A Nalgene® polyethylene carboy is used to collect composite samples for analyses of these parameters. Cleaning and handling of samplers, pump and suction tubing, and composite carboys are also outlined in the following sections under the specific parameters analyzed.

Sample Collection for Total Suspended Solids (TSS), Biological Oxygen Demand (BOD) and Fecal Coliform Analyses at Field's Point and Bucklin Point

NBC's RIPDES permits require sampling of TSS and BOD daily using 24-hour composites at both the influent and effluent. As stated above, the influent and effluent samplers collect samples from the waste stream at 30-minute intervals. Carboys with collected sample water are brought to the NBC laboratory for analyses every morning around 08:00. EMDA staff clean sample carboys used for TSS and BOD collections in the dishwasher after each use, and carboys are replaced as necessary.

At the Field's Point WWTF, two grab samples are taken at the effluent per flow day for fecal coliform bacteria analyses. EMDA staff takes the first fecal coliform sample at 08:00; operations staff takes the second sample in the time frame of 03:00-05:00. The final fecal coliform value for that day is a geometric mean of the two grab samples as well as any duplicate samples or extra samples collected that day. At the Bucklin Point WWTF, four effluent grab samples are taken throughout the day for fecal coliform analysis. A geometric mean is then determined from these results and any duplicate or extra samples and is assigned as the fecal coliform value for that day. The procedure for fecal coliform sampling at both WWTFs is as follows:

- Wearing new, clean Nitrile gloves, place sample container in sampling device (an open-ended PVC cylinder with the bottle held in place by a small screw running through the cylinder body. A line is attached to the cylinder body for lowering into the water).
- Open the sterile 250-ml container. Do not use if seal is broken before opening. Make sure that the sodium thiosulfate pellet remains in the bottle throughout the collection process. This chemical neutralizes residual chlorine if present.
- Place sampling device into the center of the stream, 6 inches below surface, to collect sample.
- Container must be filled to the "EPA FILL LINE".
- Remove coliform bottle from the sampling device and close container.
- Secure and seal the sample cover.
- Place label on container with time, date, collector's initials, and the operator-collected TRC value in ppm.
- Place sample in cooler with ice and transport directly to NBC laboratory.

In 2010, based upon information from the DEM that our forthcoming new RIPDES permits are likely to include effluent limitations for enterococci rather than fecal coliform, a study was initiated to analyze every plant bacteria sample for both fecal coliform and enterococci in order to evaluate plant performance against the expected new permit limits of 35 MPN/100 mL monthly geometric mean and 276 MPN/100 mL daily maximum geometric mean. The daily maximum limit could vary considerably depending on how the DEM characterizes the receiving waters of the NBC effluent. If the receiving waters are deemed "moderate full body contact recreation" then the limit would be 124 MPN/100 mL. If they are deemed "lightly used full body contact recreation" then 276 MPN/100 mL would be the limit. If "infrequently used full body contact recreation" is designated then the limit would be 500 MPN/100 mL. TSS, BOD, and fecal coliform data for 2015 can be found in the attached Tables 1 and 2. Enterococci data can be found in Tables 3 and 4.

Sample Collection for Trace Metals and Cyanide Analyses at Field's Point and Bucklin Point

Toxic pollutant monitoring requirements include 24-hour composite sample collections for the analysis of copper, mercury, nickel, silver, zinc, and cyanide at Field's Point and copper, lead, mercury, nickel, silver, zinc, hexavalent chromium, and cyanide at Bucklin Point. Other metals that are analyzed for but are not required by the RIPDES permits include arsenic, aluminum, cadmium, iron, selenium, molybdenum, and tin. Metals and cyanide measurements are required twice-weekly at both plants except for selenium, and molybdenum which are collected once per week in the influent and once per month in the effluent. Metals and cyanide data for 2015 can be found in the attached Tables 5-12.

The current method for collection of cyanide at both Field's Point and Bucklin Point mandates nine grab samples to be collected over a 24-hour period, separated by a minimum of two hours. The autosamplers collect discrete samples for cyanide analysis into one-liter containers that are pre-preserved with sodium hydroxide. These samplers collect a 300 mL sample every two hours for 48 hours, once per week. At Bucklin Point, composite samples for cyanide and metals at the influent are collected from both interceptors, the BVI and EPI, and are composites of nine separate grab samples at each location. These samples are mixed flow-proportionally. At both plants, nine of the twelve grab samples from the twenty-four hour sampling period are composited into a 2-liter HDPE bottle. The pH is tested to ensure it is greater than 12 standard units (s.u.) before compositing. The composite is poured off into a 500-mL brown HDPE bottle.

For influent and final effluent autosamplers that collect wastewater analyzed for trace metals, special clean sampling methods are used to reduce contamination. The method requires acid cleaning of composite containers prior to use, and acid cleaning of suction and pump tubing. Blanks are collected to monitor and verify proper cleaning. A 15-liter Nalgene® polyethylene carboy is used to collect composite samples. Carboy cleaning procedures and quality assurance measures are in place to ensure clean and proper sampling. Acid-washed carboys are put into place twice weekly at the influent and effluent to collect samples to be tested for trace metals and nutrients; this is in conjunction with the samples collected for cyanide. Monthly post-cleaning blanks are collected from the acid-washed carboys to ensure the success of the cleaning procedure. These blanks are collected by adding deionized (DI) water to a cleaned carboy, swirling the DI water in the carboy, and letting it sit overnight refrigerated. The DI water is then poured off into pre-labeled, pre-cleaned containers for analysis of parameters of interest.

Field blanks are taken each time a sample is collected for mercury at both Field's Point and Bucklin Point. The procedure for collecting a field blank consists of transporting sufficient DI water into the field and collecting a sample using identical sampling and preserving procedures that are used in collecting the mercury sample.

Sample Collection for Nutrients Analysis at Field's Point and Bucklin Point

Permit requirements for nutrients were modified by the DEM during 2005 as part of new nutrient permit limits issued to reduce the amount of nitrogen discharged to Narragansett Bay. The permit requirements mandated monitoring of nitrate, nitrite, and total Kjeldahl nitrogen (TKN) three times per week. Ammonia monitoring permit requirements remained at twice weekly, but NBC

has sampled all nutrient parameters three times per week since August 1, 2005. Seasonal effluent discharge limits of 5 ppm for total nitrogen were proposed in the 2005 RIPDES permit modification. In June 2006, a consent agreement was signed, which imposed a seasonal interim effluent permit limit of 18.2 ppm for total effluent nitrogen at Field's Point and 10.0 ppm for Bucklin Point. In May 2009, the DEM modified the consent agreement for Bucklin Point to impose a seasonal interim total effluent nitrogen limit of 8.5 ppm. NBC worked diligently to maximize nitrogen removal at Bucklin Point and achieved significant reductions in nitrogen loading. However, NBC determined that additional modifications were required to achieve compliance with the nitrogen limit of 5 mg/L as set forth in the Consent Agreement. Major facility upgrades and renovations were necessary to implement biological nitrogen removal (BNR) technology at each plant. Field's Point completed these upgrades in 2013, and the Consent Agreement effluent total nitrogen limit of 5.0 mg/L went into effect on May 1st, 2014; Bucklin Point completed upgrades and began operations under this limit on July 14th, 2014.

Nutrients are analyzed from 24-hour composite influent and effluent samples. Sample collection carboys are dishwasher cleaned, acid washed, and DI water rinsed before they are placed at their sampling location. Equipment blanks are collected every other month from the acid-washed carboys and pump tubing and are used to verify the absence of sample contamination.

All nutrient samples are analyzed by the NBC Laboratory. The nutrients analyzed are TKN, nitrite, nitrate, ammonia, and total phosphorus. TKN comprises the ammonia nitrogen and organic nitrogen in a sample. The organic nitrogen component is necessary to determine and monitor total nitrogen. Nitrate is determined by difference from a combined nitrite/nitrate measurement and a nitrite measurement. A nutrient autoanalyzer acquired by NBC's Laboratory in 2004 showed improved analysis efficiency for nutrient measurements, and analytical results with better precision and accuracy than previous analyses. NBC's Laboratory continues to update their techniques and equipment to ensure high-quality data; the nutrient autoanalyzers currently online and in use were acquired in 2009, 2012, and 2013. WWTF nutrients data for 2015 can be found in Tables 13 and 14.

Sample Collection for Oil and Grease Analysis at Field's Point and Bucklin Point

Based on RIPDES permit requirements, three grab samples are collected over the course of a 24-hour period, with one grab per shift, once per month at both the Field's Point and Bucklin Point influent and effluent for oil and grease. The grabs are analyzed separately and the maximum is reported. The RIPDES permit does not set a discharge limit.

Oil and grease samples are collected using a pre-cleaned bottle, which is labeled with collection time and date, site, and the parameter to be analyzed. The cap is removed, taking care to avoid contamination, and the sampler is lowered just below the surface. The bottle is filled and then recapped. Oil and grease grabs are preserved with hydrochloric acid to a pH less than 2 s.u. by EMDA staff as soon as possible after collection. These samples are then brought to the NBC lab for analysis. Oil and grease data results for 2015 can be found in the attached Table 15.

Sample Collection for Effluent Dissolved Metals Analysis at Field's Point and Bucklin Point

In 2000, the NBC began a study to monitor the dissolved fraction of metals in the effluent discharged to the receiving waters of the Providence and Seekonk Rivers. During 2015, Field's Point and Bucklin Point effluent samples were analyzed for dissolved metals monthly. The NBC and DEM use these data to better understand the fate, effect, and physical partitioning of metals discharged from the WWTFs. Metals in the dissolved form are more readily absorbed by marine life than metals associated with particles, therefore the EPA and DEM have established fresh and saltwater water quality criteria for dissolved metals concentrations. However, WWTFs are permitted for total metals only. Therefore, the DEM must use a "metal translator conversion factor" to set appropriate total metals limits for a WWTF, based upon the dissolved metals water quality criteria. By conducting monthly sampling for both total and dissolved metals, the NBC will be able to better assess the phase partitioning of metals in its effluent and in the receiving waters and better inform the use of metal translators.

Effluent dissolved metals samples split from the effluent total metals composite sample on the first Tuesday of each month. The effluent total metals sample is a 24-hour composite sample taken after treatment of the wastewater is complete, just before entering the Providence River. As part of a quality assurance plan, the NBC lab analyzes laboratory equipment blank samples along with the dissolved metals to ensure accurate results. Effluent dissolved metals data results for 2015 can be found in Tables 16 and 17.

Collection of Final Effluent for Quarterly Bioassay Analyses

The two NBC WWTFs are required to conduct quarterly bioassay studies to determine whole effluent toxicity (WET) to test organisms. These bioassays use the response of organisms to effluent at varying dilutions to detect and measure the potential impact of substances, wastes, or environmental factors, alone or in combination as they exist in the effluent. NBC met the quarterly bioassay sampling frequency requirements during 2015 for both facilities. Effluent samples are collected only in dry weather, defined as no rain 48 hours prior to or during sampling. These samples are 195 mL composites of wastewater collected every 30 minutes over the course of 24 hours. The back-up automatic composite samplers are used for this sampling and are cleaned and maintained in the same way as those collecting samples for TSS and BOD. EMDA staff cleans the sample carboys in the dishwasher after each use and carboys are replaced yearly.

Two bioassay tests are performed as required by the NBC RIPDES permits. An acute toxicity test is conducted in which the whole effluent is tested to examine survival of test organisms, the mysid shrimp *Americamysis bahia,* in varying concentrations of effluent. The second test is a chronic toxicity test which examines the effect of effluent on fertilization success in eggs of the sea urchin *Arbacia punctulata*. Both tests are conducted in five concentrations of effluent plus a control: 100% effluent, 50% effluent, 25% effluent, 12.5% effluent, and 6.25% effluent. Natural seawater is used for both the control treatment and dilutions of effluent.

Analysis of the acute toxicity data results in determination of the LC_{50} and the A-NOEC. The LC_{50} result is defined as the concentration of wastewater that causes mortality to 50% of the test

organisms, *A. bahia*; the permit requirement of 100% or greater is defined as a sample which is composed of 100% effluent. A-NOEC or Acute-No Observable Effect Concentration is defined as the highest concentration of the effluent in which 90% or more of the test animals survive, and is monitored though there is no permit limit. The chronic test performed on *A. punctulata* examines the sublethal effects of effluent on the fertilization of eggs and results in calculation of the C-NOEC or Chronic-No Observed Effect Concentration. The permit limit for Bucklin Point is 50% or greater for this parameter while at Field's Point the permit requires only monitoring. The C-LOEC or Chronic-Lowest Observed Effect Concentration is also reported, though there are no permit limits for this statistic.

The WET tests are designed to supplement effluent monitoring to determine whether the combination of chemical species present in a WWTF's effluent is toxic to test organisms. The monitoring for individual pollutants is targeted towards ensuring that the concentrations of the individual pollutants are at levels which do not pose harm to aquatic organisms. The WET tests are an attempt to determine the synergistic impact of NBC effluent on organisms in the receiving waters. All bioassay analyses are performed by third party laboratories contracted by NBC and are conducted in accordance with protocols listed in most recent edition of the EPA document: Cornelius I. Weber, et al., 1991, Methods for Measuring the Acute Toxicity of Effluents to Freshwater and Marine Organisms. Bioassay data results for 2015 can be found in attached Tables 18 and 19.

Sample Collection for Sludge Analysis at Field's Point and Bucklin Point

Sludge from Field's Point WWTF is collected daily; sludge from Bucklin Point WWTFs is collected Monday through Saturday only, as the contractor processing the sludge is closed on Sundays. Sludge from each plant is analyzed for total solids (TS) and volatile solids (VS). Sludge samples are also analyzed one to two times per month for metals and cyanide. Field's Point WWTF sludge was dewatered on-site using a belt press until December 2005, and is now handled by an outside contractor. Grab samples are taken throughout the day by the contractor and composited in one 4-L container. EMDA staff then pours part of this composite into a 16-oz. container for delivery to the lab by 08:00 the next day. These containers are disposed of after a single use. At the Bucklin Point WWTF, an outside contractor also processes the sludge. Similar to Field's Point, the contractor staff takes grab samples throughout the day and composites these into a 4-L container at the end of the day. This is stored in the refrigerator until EMDA picks up the sample the next morning. EMDA staff mix the sample and pour off approximately 500 mL into a smaller container to bring to the lab for analysis. Data results from sludge sampling for 2015 can be found in attached Tables 20-23.

Sample Collection for EPA Priority Pollutants/Volatile Organic Compounds (VOCs)

Grab samples are collected monthly at influent and effluent locations for priority pollutants, or volatile organic compounds (VOCs). The same type of glass jars used for oil and grease samples are used for the grab collection. The glass jar is fastened to the end of a pole and dipped into the wastewater to collect the sample. This sample is then poured off into three pre-preserved 40-mL

glass vials. The glass vials have each been pre-preserved with 3 drops of hydrochloric before collection. The glass vials are then transported to the laboratory for analysis. Priority pollutant data results for 2015 can be found in attached Tables 24 and 25.

Sanitary Manhole Sampling

EPA and RIPDES permit regulations require the NBC Pretreatment Program to reevaluate local discharge limitations every five years. In order to complete this task, the NBC must monitor sanitary manholes to evaluate pollutant loadings from residential sources. The NBC began sanitary and combined sewer manhole sampling in 1993, and in 2000, EMDA began to make these collections using EPA-approved clean sampling techniques to quantify the background loadings of metals and cyanide from residential and non-industrial sources. As laboratory detection limits continue to decrease due to improved clean sampling techniques, these data become a more precise measure of the amount of uncontrolled toxic chemicals that enter the NBC collection system from residential, non-industrial sources.

Sanitary manholes have been identified in residential areas upstream of any industrial or commercial facilities. These background loadings are outside the realm of regulatory control by the NBC Pretreatment Program, but provide the setting for determining how much of a given pollutant can be accepted and effectively removed at each of the treatment facilities. These samples reveal the composition of what is being introduced into the collection system in a more site-specific way than the influent composite samples.

The collection of sanitary manhole samples works as follows: automated sampling devices suspended in the manholes are programmed to collect 100 mL of wastewater every fifteen minutes for a 24-hour time period during a given weekday starting in the early morning. The aliquots collect into a 10-L acid-washed Nalgene® jug over a 24-hour period, and the composite sample is later poured off into specified containers for each analytical parameter including total metals, cyanide, TSS and BOD, and mercury.

The initial pH of the composite is taken and recorded on a chain-of-custody document, and for those parameters that require preserving, the preservative used is marked and the final pH is recorded. After every use, the automated sampling device tubing and jug are acid cleaned, rinsed with DI water, and a cleaning blank is produced.

BOD, TSS, cadmium, chromium, copper, lead, nickel, molybdenum, silver, zinc, cyanide, mercury, arsenic, selenium, and tin were measured in both Field's Point and Bucklin Point district sanitary manholes in 2015.

Sanitary manhole data is essential for providing a point of comparison and screening of collection system data to determine problem areas within the collection system. In addition, the sanitary manhole data is necessary for the calculation of the local limits that the NBC imposes on its industrial users. Sanitary manhole data results for 2015 can be found in Table 26.

Significant Industrial User (SIU) Sampling

The EPA requires that all significant industrial users (SIUs) be sampled at least once every twelve months. NBC has established a more stringent goal to sample each SIU twice per year. Information regarding industrial flows to NBC facilities is gathered through SIU and industrial manhole sampling, in addition to required user self-monitoring. The industrial manhole sampling is an additional means to track chemical spills, concentrated, or non-compliant discharges, as well as to ensure that industrial users are in compliance with the limits set by the NBC. The NBC collected 2,086 individual samples from SIUs within both service districts during 2015. These samples were analyzed for numerous parameters and resulted in 224 sets of SIU results. SIU data for 2015 can be found in Table 27.

Industrial manhole sampling activities are designed to isolate a specific business within the collection system to surreptitiously determine the typical discharge from the business. Samples are taken upstream and downstream of a significant user's discharge point via manholes. The upstream sample serves to establish a background concentration with which to compare the results from the industry, as well as confirm that the source of any contaminants is from the permitted user, not additional sources. The distance between these two sampling locations is typically 150 feet, depending on the location of the nearest manhole.

As with sanitary manhole sampling, autosamplers are programmed to collect samples from each manhole location every 15 minutes for 24 hours, thereby providing a composited representation of the average discharge over that time period. Autosamplers can dispense the water collected into up to 24 sample bottles, thereby allowing for an intensive analysis of the variations within the upstream and downstream sample locations, if necessary.

A Tygon® suction line with a stainless-steel strainer attached at the end is used to collect samples from the middle of the waste stream. Samples are immediately checked for sulfides and chlorides using lead acetate and potassium iodide indicator paper, respectively, as these chemicals can interfere with cyanide measurements.

Cyanide sample pH is adjusted using sodium hydroxide to a pH above 12 s.u., while metals samples are acidified using trace metal grade nitric acid to a pH of less than 2 s.u. Samples are analyzed for cadmium, chromium, copper, lead, nickel, silver, zinc, and cyanide. All metals were analyzed by Inductively Coupled Plasma (ICP).

The implementation of clean sampling techniques at the NBC has provided additional means of confirming that industrial discharges do not exceed treatment capacity. The EMDA SIU sampling supplements the self-monitoring activities, providing a means for enforcing local limits for the pollutants.

Septage Sampling

The NBC receives septage waste (i.e., waste pumped out of septic tanks) at the Lincoln Septage Receiving Station in Lincoln, RI. The Lincoln Station input point is within the Bucklin Point service district, approximately 11 miles from the Bucklin Point facility. The septage is routinely monitored by the EMDA section for toxic constituents to ensure that the material received does

not contain toxics in concentrations that exceed NBC's Pretreatment Industrial Discharge Limitations for the Bucklin Point WWTF, to which the waste ultimately discharges. This sampling also helps NBC evaluate the percent of metals loading received from septage into the Bucklin Point WWTF. Grit removal at the septage facility removes a portion of the metals loading prior to its introduction to the sewer system and the treatment plant. Prior to septage samples being collected, Interceptor Maintenance (IM) staff sample and screen each septage truck's waste delivery for quality by looking at the physical characteristics and by measuring pH during the pump-out at the septage facility. Septage samples are collected from each delivery truck after the sample port is flushed thoroughly, usually after the load has discharged, for approximately one minute. The sample from an individual truck is screened for pH, odor, and other unusual characteristics. If any anomaly is observed, the sample is targeted for individual analysis; otherwise it is combined with the day's delivery and sent to the laboratory for analysis.

For the testing of samples at the NBC lab, septage samples are collected daily Monday-Saturday as composite samples of all of the septage trucked to the NBC Lincoln Septage Receiving Station. All six composite samples are kept refrigerated until they are picked up by EMDA staff on Mondays at the Lincoln Septage Station and are brought to the NBC lab that same day, barring unforeseen circumstances. Three daily samples are chosen at random and analyzed by the NBC Laboratory for trace metals and cyanide each week.

Septage Station Sample Collection

Revised septage sample collection techniques and equipment were introduced in June of 2004. The new equipment allowed for easier, in-line sampling during septage delivery and has helped to more quickly locate potential toxic inputs to the collection system. These more representative sampling techniques may partially explain the observed increase in septage metal loadings since 2004.

During 2015, 156 septage samples were analyzed for trace metals and cyanide. Septage data results for 2015 can be found in Tables 28 and 29.

NBC Receiving Waters Monitoring Activities

Introduction

The NBC not only monitors wastewater from the source (e.g., industries and manholes) to the WWTFs and throughout the plant process, but also monitors the receiving waters, where treated effluent and combined sewer overflows (CSOs) enter. Receiving waters monitoring includes sampling the surrounding urban rivers and upper Bay as well as some of the rivers that enter the upper Bay from Massachusetts. This monitoring is vital to determining the impact of NBC effluent on the river and bay ecosystems. The data are useful in evaluating the success of the CSO Abatement Project in the upper Bay and provide insight into the response of the receiving waters to WWTF upgrades. The EMDA section's role in environmental monitoring and compliance issues also continues to expand as compliance issues become ever more complex.

In 2015, EMDA continued sampling for nutrients at several locations in Narragansett Bay and within the watershed at both local river stations and at river stations on the MA/RI border. These measurements are aimed at effectively characterizing the magnitude, composition, and distribution of nutrient inputs to these rivers, and comparing these results to previous years to examine factors influencing nitrogen loading into the Bay. The characterization of nutrient loadings dynamics is an integral part of the nutrient issue. Determination of background loadings, effluent discharge impacts, and fate of nutrients from the NBC facilities are necessary components of a sound environmental policy. This initiative was undertaken to gain greater insight into the nutrient cycling within the rivers, and to help quantitatively define the amount of nitrogen that the WWTFs can safely discharge without adversely impacting water quality.

In addition to nutrient sampling, the NBC conducts routine field sampling for pathogens (disease-causing organisms) in the local freshwater rivers and the estuarine waters of the Providence and Seekonk Rivers. Fecal coliform has been widely accepted as a good indicator of pathogens in waterbodies. Although fecal coliform (comprising a number of similar species of bacteria) does not necessarily contain disease-causing organisms, it is used as an indicator of the *possible* presence of pathogens. Generally, if fecal coliform counts are elevated, there is a high potential for the presence of pathogens that could be harmful to both humans and wildlife. Raw, undiluted sewage contains high levels of fecal coliform bacteria because this type of bacteria is found in the feces of all warm-blooded animals, including humans. The wastewater treatment process at NBC's facilities eliminates almost all of these bacteria after the wastestream passes through primary and secondary treatment and, ultimately, disinfection via chlorination or ultraviolet light. Final effluent wastewater discharged from the Field's Point and Bucklin Point WWTFs has very low levels of fecal coliform bacteria. When necessary during large rain events, the two treatment facilities use special wet weather treatment tanks to treat and disinfect the higher volumes of combined rainwater and sewage. However, during intense rain events, the NBC's CSOs can send untreated stormwater and sewage that the collection system cannot contain directly into the freshwater rivers and upper Bay. In recognizing the need to assess the impact that the NBC facilities can have on the water quality of the local rivers and upper Bay, fecal coliform bacteria are measured at a number of locations throughout these receiving waters.

Environmental Monitor Collecting a Bacteria Sample

Water Quality Regulations published by the DEM in July 2006, contained a change in the water quality criteria for bacteria. Measurements for Enterococci bacteria, considered a more accurate metric for potential human health impacts from primary contact, were adopted to replace fecal coliform as the primary bacteriological indicator for both fresh and saline waters. Fecal coliform criteria are only applied when Enterococci data are not available. Therefore, the NBC also conducted Enterococci sampling at five of the bay stations. The NBC has been conducting fecal coliform sampling in the urban rivers and upper Bay for several years and with such a historical database we believe it is important to continue these measurements for as long as possible and as long as it takes to determine if there is a consistent relationship between Enterococci and fecal coliform results. Shellfishing standards continue to be based on fecal coliform bacteria levels; therefore, it is also important to continue fecal coliform sampling to compare to these criteria.

EMDA also conducts monitoring of particular CSOs during wet weather events that cause these outfalls to discharge. The NBC has embarked on an historic public works project to eliminate the negative impact that CSOs can have on water quality, with a three phase CSO Abatement Project of which Phase I began operation in the fall of 2008. Phase II systems were completed and online as of the beginning of 2015.

As part of investigating the overall health of the Bay, the NBC also maintains two water quality monitoring stations located at a dock at Phillipsdale Landing in the Seekonk River and a buoy at Bullock's Reach in the Providence River. The monitoring sites are continuously collecting data on the conditions of the water such as temperature, dissolved oxygen, salinity, pH, chlorophyll, and turbidity.

River and Bay Nutrient Monitoring

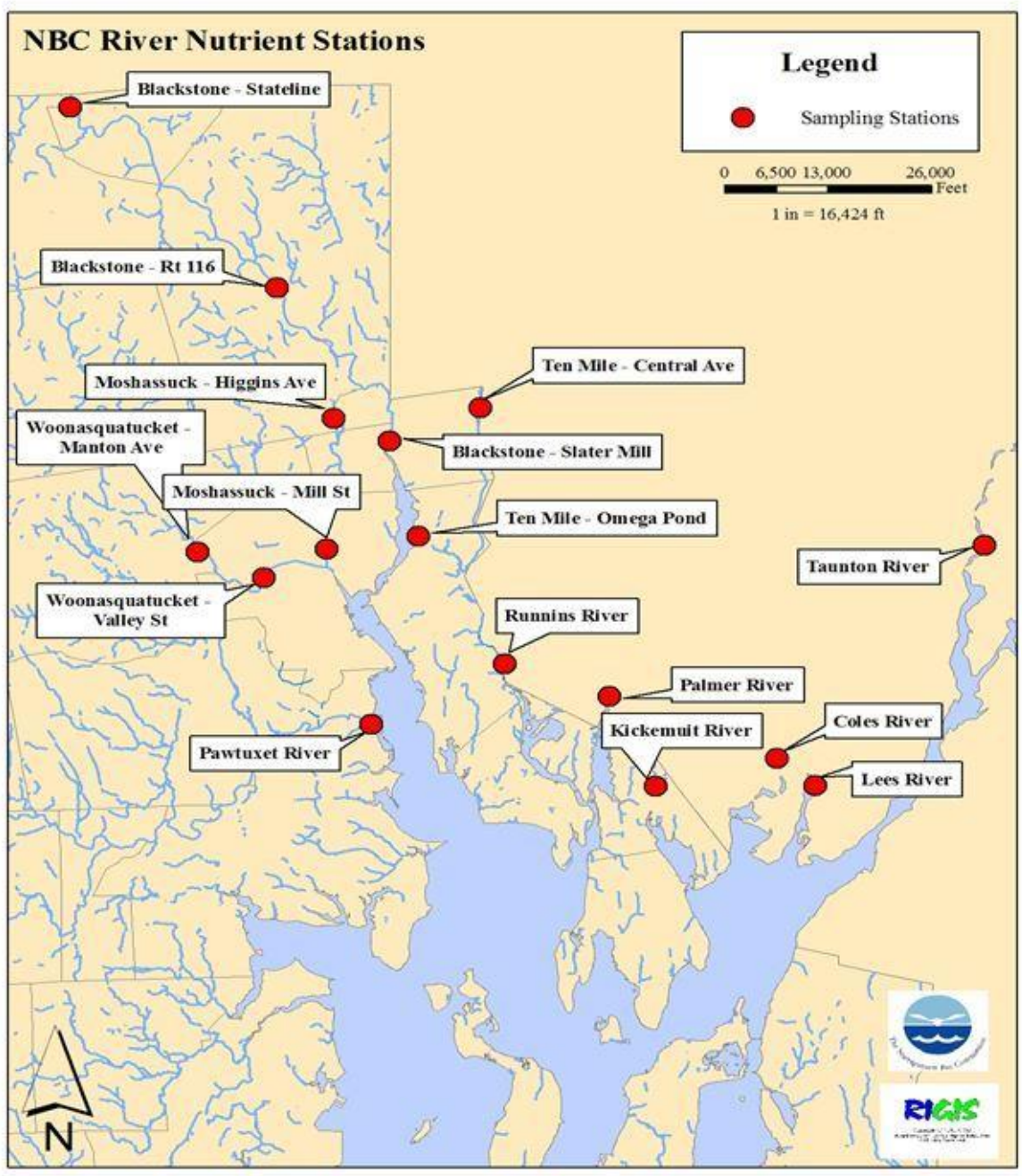
The NBC has been proactive in responding to the environmental concerns of Narragansett Bay and the state of Rhode Island. As a part of a continuing effort to both address and understand the magnitude of the impacts that facility operations have on our receiving waters, an intensive sampling program of the urban and local rivers that are part of the Narragansett Bay watershed has been developed for nutrient analysis and loading determination. This sampling program was designed to encompass two components: an evaluation of the loadings from the urban rivers that empty into Narragansett Bay just upstream of tidal influence, and an evaluation of the nutrients entering Narragansett Bay from Massachusetts. Both components are important to accurately determine the nutrient inputs to Narragansett Bay as well as a means of determining the impact of sources outside of the NBC service district. By determining the magnitude and relative importance of these loads, the NBC will be able to more accurately determine the impact of biological nutrient removal (BNR) systems as well as planned future facility upgrades at both the Bucklin Point and Field's Point facilities. These data will also contribute to developing a thorough understanding of nutrient fluxes to Narragansett Bay.

The NBC initiated nutrient monitoring of the local urban rivers in 2005, and expanded the sampling locations and increased the frequency of sampling in 2006. An additional station was added on the Ten Mile River in December 2011 to get a better representation of nutrient loadings from Massachusetts into this river. In 2015, there were sixteen sample stations monitored one to two times per month. In the beginning of the program in 2005 and 2006, sample splits were also submitted to both the NBC and the University of Rhode Island Graduate School of Oceanography Marine Ecosystems Research Laboratory (URI GSO MERL) (MERL) facilities to assure data quality . The locations of sample stations can be found in Figure 1.

Environmental Monitor Collecting a Nutrients Sample

River nutrient samples are taken at a depth of approximately 0.5 to 1 meter below the surface using a peristaltic pump, Tygon® tubing, and new plastic sample bottles. All tubing and sample bottles are acid washed and then rinsed with DI water before the sampling event, and tubing is rinsed with DI water between sample stations. DI water field blanks, equipment blanks, and duplicates are collected in order to determine the accuracy and reproducibility of sampling methods and sample handling techniques. In addition to sampling QA/QC measures, the NBC Laboratory has a rigorous analytical QA/QC program in place for all nutrient samples.

Figure 1: NBC River Nutrient Sampling Stations

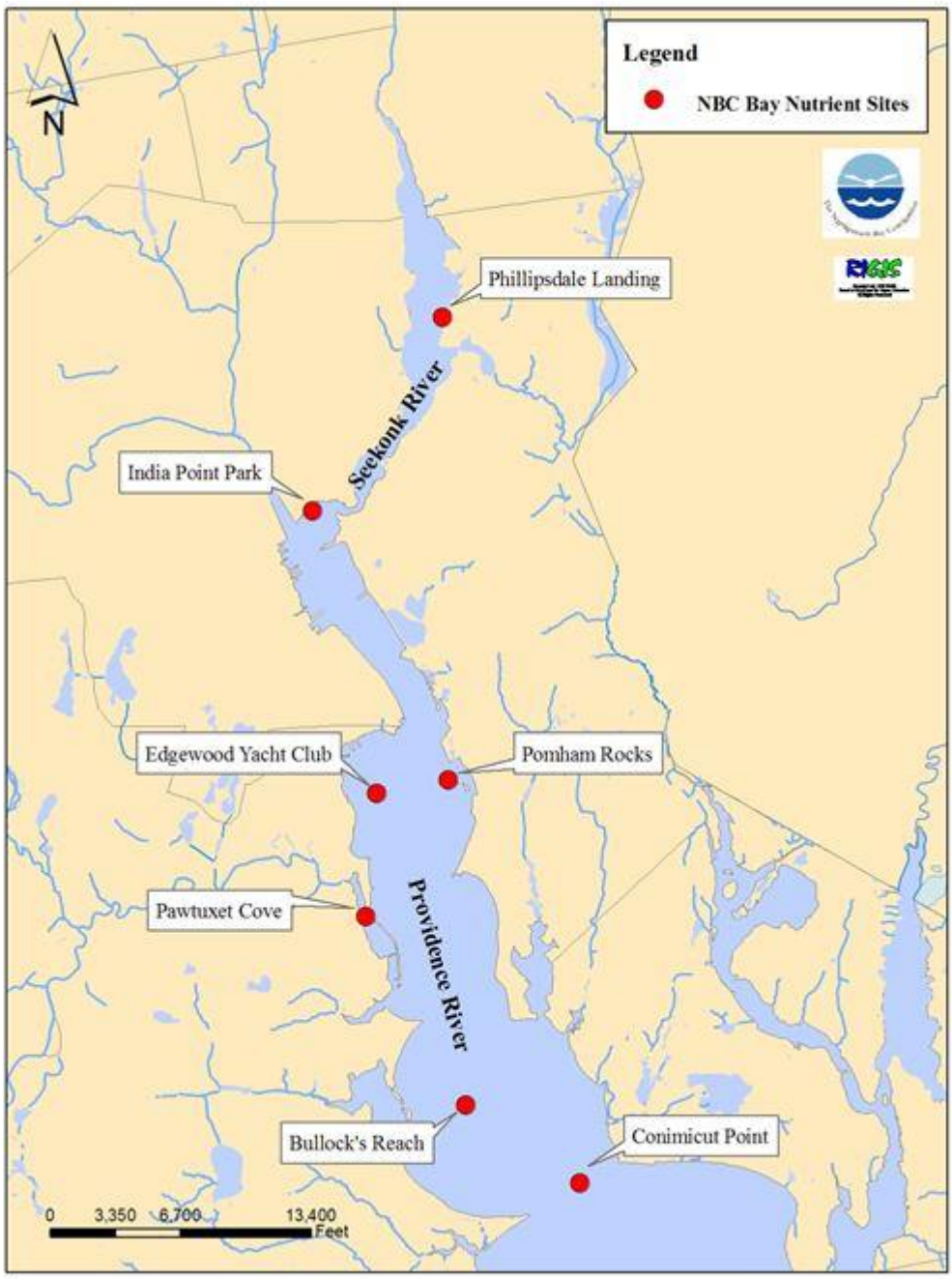


To measure any direct changes in nutrients in the upper Bay as a result of WWTF upgrades and the CSO Abatement Project, the Narragansett Bay Commission began sampling for nutrients in the Providence and Seekonk Rivers during the summer of 2005. The direct water column nutrient measurements provide an important look at the amount of nutrients in the upper Bay from all sources, including river loading, surrounding WWTFs, atmospheric deposition, groundwater, runoff, failing septic systems, and nutrients from the middle and lower Bay area as well as from offshore. Original Bay sampling stations in 2005 included five surface stations and one bottom station. These Bay stations included Conimicut Point, Edgewood Yacht Club, Pomham Rocks, and India Point Park at the surface and Phillipsdale Landing at the surface and bottom. In July 2006, one additional bay station was added as well as bottom samples at all bay stations. The new bay station was located at the Bullock's Reach Buoy, where the NBC fixed-site continuous water quality monitoring buoy is located. In August of 2012 a seventh site was added near the mouth of the Pawtuxet River at the channel marker of Red Can #6. This site was added to observe the effects of the Pawtuxet River on upper Narragansett Bay. As seen in Figure 2, the Conimicut Point, Bullock's Reach Buoy, Pawtuxet Cove, Edgewood Yacht Club and Pomham Rocks stations are located in the Providence River. The Phillipsdale Landing station is located in the Seekonk River at our fixed continuous water quality monitoring dock site and the India Point Park station is located near the mouth of the Seekonk River estuary.

All surface collections in bay waters were made at a depth of approximately 0.5 to 1 meter below the surface. Bottom collections were made approximately 0.5 to 1 meter above the sediment. Nutrient samples are taken using a peristaltic pump, Tygon® tubing, and new plastic sample bottles. All tubing and sample bottles are acid washed and then rinsed with DI water before the sampling event, and tubing is rinsed with DI water between sample stations. DI water field blanks, equipment blanks, and duplicates are collected in order to determine the accuracy and reproducibility of sampling methods and sample handling techniques. In addition to sampling QA/QC measures, the NBC Laboratory has a rigorous analytical QA/QC program in place for all nutrient samples. Bay samples were collected, filtered, and preserved on-board the NBC research vessel, the *R.V. Monitor*. Samples were collected using either an acid-washed and DI water-rinsed Niskin sampler attached to the boat davit or a portable peristaltic pump with Tygon tubing placed approximately six inches below the water surface. The pump would direct the sample into an acid washed bottle. If the Niskin sampler was used, the sample water was poured off into a sample bottle. Using the water in the sample bottle, the same methods as described above for the freshwater rivers were used for the estuarine samples. As with the river samples, DI water field blanks and duplicates were collected during bay sampling as well. The NBC laboratory analyzes both freshwater and saltwater nutrient samples for nitrite/nitrate, nitrite, total dissolved nitrogen, ammonia, orthophosphate, silicate, and total nitrogen. As with the river samples, DI water field blanks and duplicates were collected during bay sampling as well. The NBC laboratory analyzes both freshwater and saltwater nutrient samples for nitrite/nitrate, nitrite, total dissolved nitrogen, ammonia, orthophosphate, silicate, and total nitrogen. All nutrient samples, except for the total nitrogen, were filtered prior to analyses; therefore, these results are measurements of the dissolved (or soluble) phase. Grab samples for TSS and chlorophyll are also taken at the same time as nutrient samples and analyzed by the NBC Laboratory. The instrument the Laboratory acquired in 2005 to measure nutrient parameters in saltwater can only measure nutrients in the

dissolved phase. Total nitrogen was also determined to be an important piece of the picture when looking at potential changes in nitrogen in the Bay, therefore another new instrument was acquired in September 2012 to analyze fresh and saltwater samples for this parameter. Analyses using this new instrument began in November 2012. All data for the 2015 River and Bay Nutrient sampling can be found in the attached Table 30.

Figure 2: NBC Bay Nutrient Sampling Locations



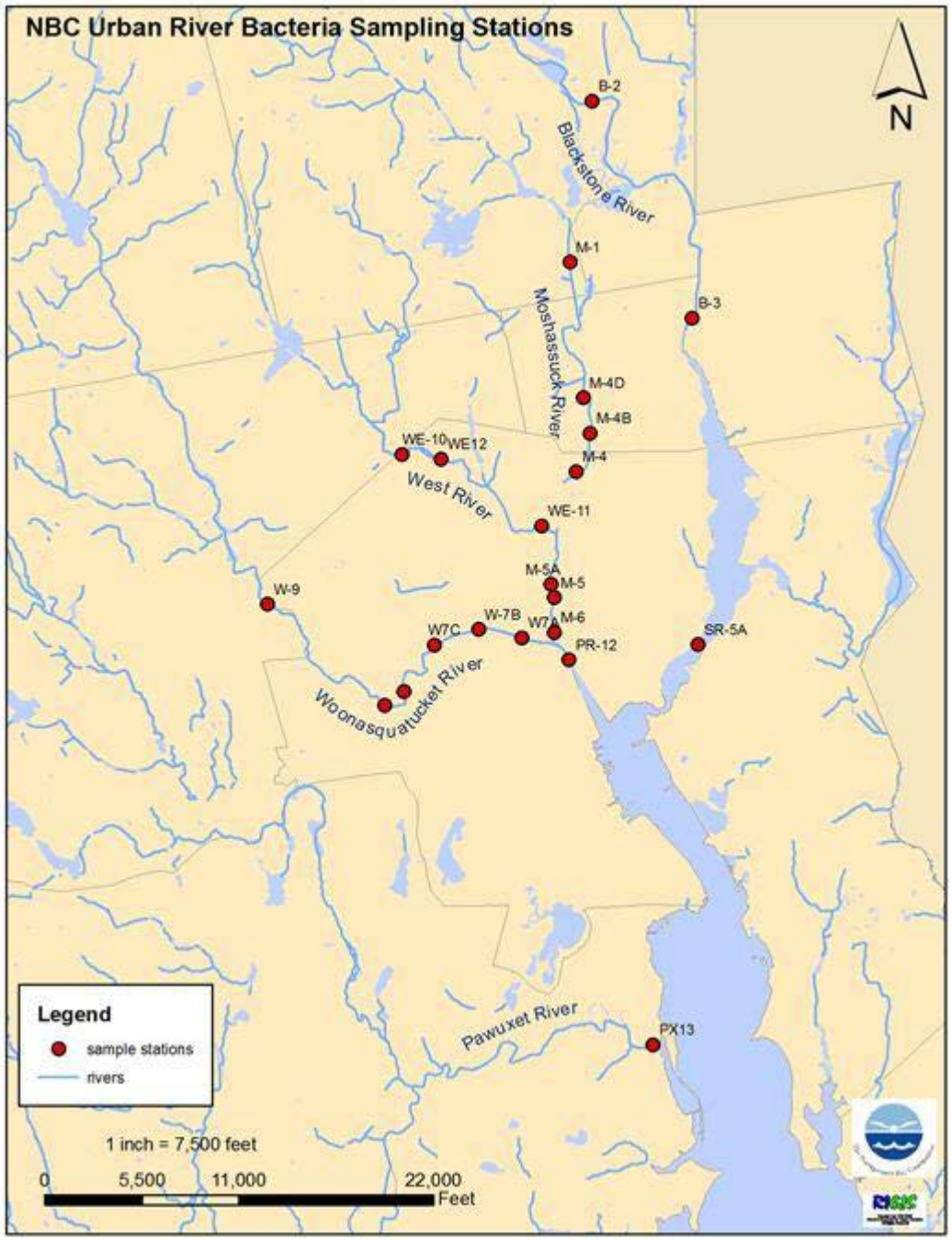
Urban River Pathogen Monitoring

Consistent NBC monitoring for fecal coliform in the Providence area urban rivers began in 1997 and became the responsibility of EMDA in 1998. It was developed in conjunction with the CSO remediation stakeholder process and has developed as a tool of the IM section as a check for potential problems occurring at any of the sixty-seven CSOs the NBC owns, operates, and maintains. Routine sample collections for analysis of fecal coliform are made each week, with stations on the Blackstone, Woonasquatucket, Moshassuck, Seekonk, Providence, and Pawtuxet Rivers sampled on Mondays and stations on the West, Woonasquatucket, Moshassuck, and Providence Rivers on Tuesdays. In the event of a holiday, or any other unforeseen circumstance arising that would prevent sampling under the regular schedule, the sampling routine will begin the next day sampling is possible. Samples are collected by EMDA staff in the morning, and delivered to the lab at Field's Point no later than 11:30 the day of sampling. All stations sampled on the same river on the same day are collected within a two-hour interval. NBC's IM, Construction, EMDA, and Engineering departments determine locations to be added or omitted as needed.

Samples are collected from six sites on the Woonasquatucket River, two sites on the Blackstone River, seven sites on the Moshassuck River, three sites on the West River, and one site each on the Pawtuxet, Providence, and Seekonk Rivers. The locations of these sites are shown in Figure 3. After the Woonasquatucket River flooded in April of 2010, the sample location at Atwells Avenue had to be changed to Eagle Street due to bridge damage at the original location. During 2015, 2,341 bacteria samples were collected and analyzed.

In order to improve NBC's identification of dry weather overflow (DWO) discharges and to identify other sources of bacterial contamination in the rivers, in 2002 EMDA began resampling weekly river collections when DWOs are suspected. Rivers are not resampled when collections have occurred in times of wet weather, because analytical results are expected to be high due to the normal functioning of CSOs. When results from collections are high (greater than 1000 MPN per 100 mL) and there has been dry weather (i.e., less than 0.1 inches in the preceding four days), EMDA will resample those stations a second time within the week. Resampling will also occur when results are very high (i.e., greater than 10,000 MPN/100 mL) when no rain has occurred in the preceding two days. These general resampling criteria are subject to change based on river flow, fecal bacteria level at background stations, and staff availability.

Figure 3: NBC Urban River Bacteria Sampling



Water samples for fecal coliform analysis are collected from the center of a bridge or from a riverbank. A sterile, 120-mL fecal coliform sample container is used for the sample collection. Collections from bridges are conducted by placing the sample container in an open-ended PVC cylinder and holding it in place with a small screw running through the cylinder body. A rubber handle extends from the top of the cylinder with a line attached for lowering it into the water stream being sampled. Each sampler can hold up to 4 bottles. Samples being collected from a

riverbank are taken by dipping the sample container in the water stream by hand. The sample is taken as close to the center of the water stream as possible.

Once the sample has been collected, the sample container is sealed, and a label with site ID, sample number, date and time of collection, preservation techniques used, and collector's initials is placed on the container. The samples are held at 4°C in a portable cooler with ice packs for transfer to the lab. All samples are brought to the laboratory within the 8-hour holding time period. If samples exceed the holding time, they are discarded and not analyzed.

As part of EMDA's quality assurance for this program, collection and analysis of duplicate fecal bacteria samples occurs on all regular sampling days. These collections and analyses are used to help determine general water quality variability, namely bacterial "patchiness" in the river, as well as analytical and sampling variability. The sampling locations that have been chosen as replicate sites are Eagle Street Bridge (W-7C) in Providence on the Woonasquatucket River, the end of Moshassuck Street (M-4B) in Pawtucket on the Moshassuck River, and Footbridge at Mill Street (M-5) also on the Moshassuck River. The Eagle Street sampling is conducted from a bridge in the center of the main current flow. The end of Moshassuck Street site sampling is conducted from the riverbank in the center of the main current flow. The Footbridge at Mill Street site sampling is conducted from the center of the main current flow from the private footbridge near Mill Street. The duplicate samples are taken simultaneously with the sampling device. Fecal and Enterococci data for the sampling stations located in the Woonasquatucket, West, Providence, and Seekonk Rivers can be found in the attached Table 31. Data for the Blackstone, Moshassuck, and Pawtuxet Rivers can be found in the attached Table 32.

Another element of EMDA's quality assurance for this program is the collection and analysis of field blanks. Sample blanks are taken in the field during each fecal coliform sampling day to measure the ability of staff to maintain clean sampling techniques, and to rule out any potential contaminants from normal "open-air" exposure. These blanks are taken using DI water in place of river water, with the same handling techniques as the actual river samples. The detection limit for these samples was 30 MPN/100 mL. The analytical method used by the NBC Laboratory is the 24-hour Fecal Coliform Determination by Multiple Tube Fermentation, using A-1 broth or media. The Standard Methods reference number is 9221E for this EPA approved methodology. Positive and negative controls are routinely run in the laboratory; in addition, tubes of un-inoculated, freshly prepared media are incubated and analyzed in order to confirm the sterility of the media. The NBC Laboratory is Rhode Island Department of Health certified. All samples are properly preserved prior to analysis at 4 °C and holding times are kept to less than four hours, to avoid approaching the maximum eight hour limit.

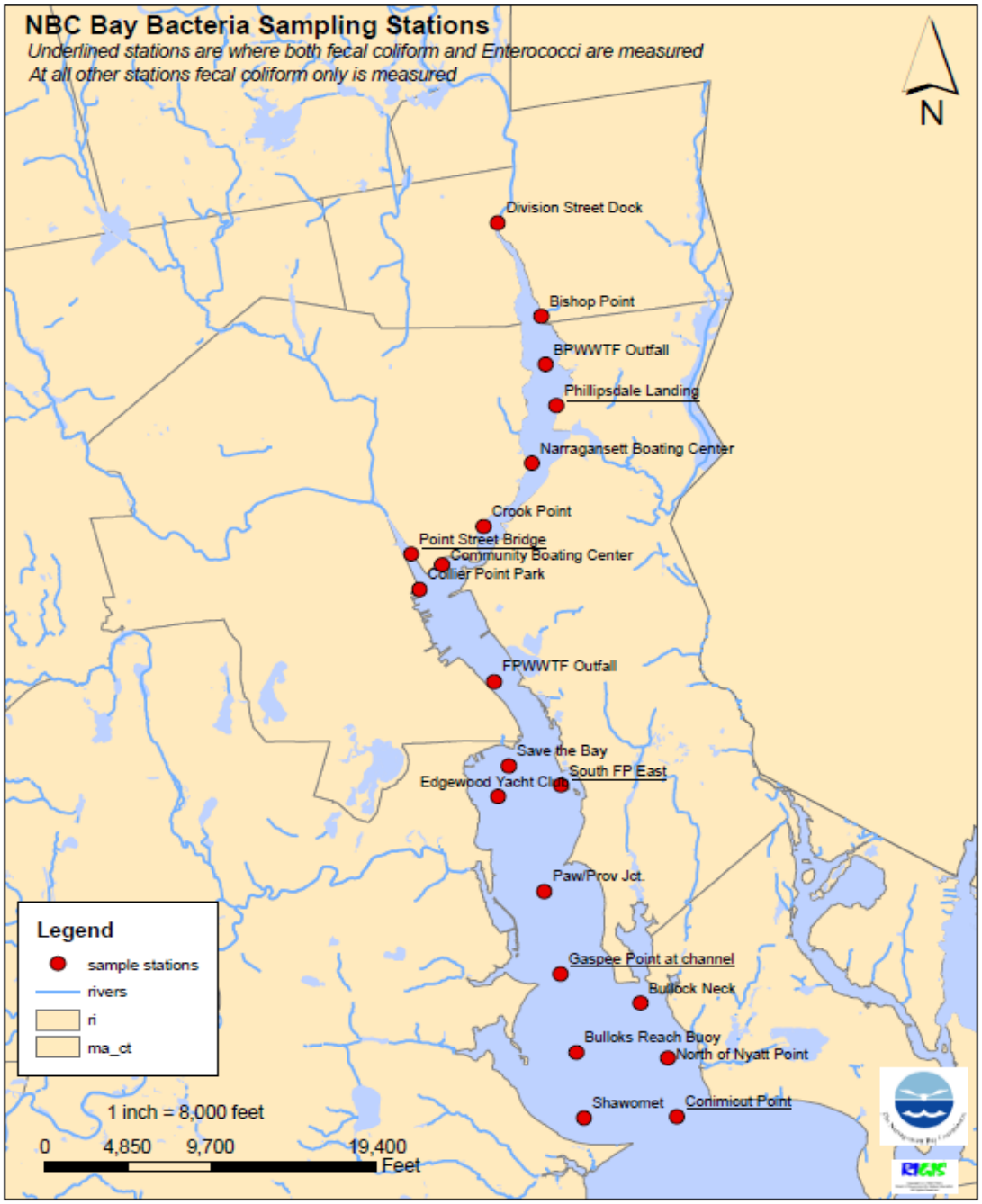
Bay Pathogen Monitoring

Fecal coliform sampling in the Providence and Seekonk Rivers began in 2003 in response to the need to understand the spatial and temporal impacts that discharges within these waterbodies have on Narragansett Bay as a whole. Routine sample collections for the analysis of fecal coliform are made biweekly, usually on Wednesdays or Thursdays, throughout the year, dependent on weather. All station samples are collected within a three-hour interval on the same day. In the event of a holiday or any other unforeseen circumstance arising that would prevent sampling under the regular schedule, the sampling will resume on the next regular work day. Samples are collected by EMDA staff, and delivered to the lab at Field's Point no later than 12:00 on the day of sampling.

Bay fecal samples are collected at twenty locations in the Seekonk and Providence River. Fecal samples are collected from the NBC research vessel the *R/V Monitor* at six sites in the Seekonk River, four sites in the Providence River north of Field's Point WWTF, and ten sites in the Providence River south of Field's Point WWTF; these sampling locations are shown in Figure 4. During special events, including after some heavy rainfalls, special sampling may take place that includes collecting bay fecal samples consecutively over several days in the Seekonk and/or Providence River as well as in the conditional shellfishing areas just south of the Providence River. Depending on the event, the sample stations may include all or some of the usual stations and/or additional stations further down the Bay.

Water samples for bacteria analysis are collected from the port or starboard side of the EMDA research vessel. A sterile, 120-mL fecal coliform sample container is used for the sample collection. Collections are made by placing the sample container in an open-ended plastic cylinder which is held in place with a small screw running through the cylinder body. A metal handle extends from the top of the cylinder with a vinyl line attached for lowering it into the water being sampled. Once the sample has been collected, the sample container is sealed, and a label with site ID, sample number, date, and time of collection, and preservation techniques is placed on the container. The samples are held at 4 °C in a portable cooler with ice packs or a portable refrigerated cooler for transfer to the lab. All samples are brought to the laboratory for analysis within the 8-hour holding time period. If samples exceed the holding time, they are discarded and not analyzed. Duplicate samples are taken at the Conimicut Point and Phillipsdale Landing stations. The duplicate samples for each site are collected simultaneously using a second 120-mL fecal coliform bottle. A blank sample using DI water is also taken and brought to the lab along with the fecal samples for quality assurance purposes. In addition to fecal monitoring, five sites are analyzed for Enterococci bacteria. During 2015, 492 bay fecal coliform samples and 138 Enterococci samples were collected and analyzed. 2015 Bay fecal coliform and Enterococci data are shown in the attached Tables 33 and 34, respectively.

Figure 4: NBC Bay Bacteria Sampling Stations



Combined Sewer Overflow Monitoring

In implementing NBC's policy of protection of Narragansett Bay and its tributary rivers, and to fulfill the requirements of the EPA and RIDEM Nine Minimum Controls Program, the EMDA staff sampled CSO wet weather overflows during three rain events in 2015. The aim of these wet weather sampling events was to characterize the impact of CSO discharges and to evaluate the success of the NBC Pretreatment and Pollution Prevention Programs at controlling the discharge

of toxics through CSOs. The CSO Abatement Project, once fully implemented, will effectively eliminate 98% of CSO discharges. Until both the CSO Abatement Project and the EPA's Capacity, Management, Operations, and Maintenance program for the NBC are fully implemented, all other feasible controls of CSO discharge are expected to be utilized. The 2015 wet weather sampling was conducted on June 15th with 1.32 inches of rainfall and July 1st with 0.7 inches of rainfall at Outfall 220 Additional CSO sampling was done on August 11th at Outfall 002A, the North Diversion Structure, with approximately 0.99 inches of rain as measured at the National Weather Service at T.F. Green Airport; and Outfall 02A is within the Bucklin Point service area and discharges into the Seekonk River and is tied to a sewer collection drainage basin that includes a mix of residential, industrial, and commercial uses. Outfall 220 discharges into the Moshassuck River and is located within the Field's Point Service area. The data for CSO 2A can be found in Table 35 and the data for CSO 220 can be found in Table 36.

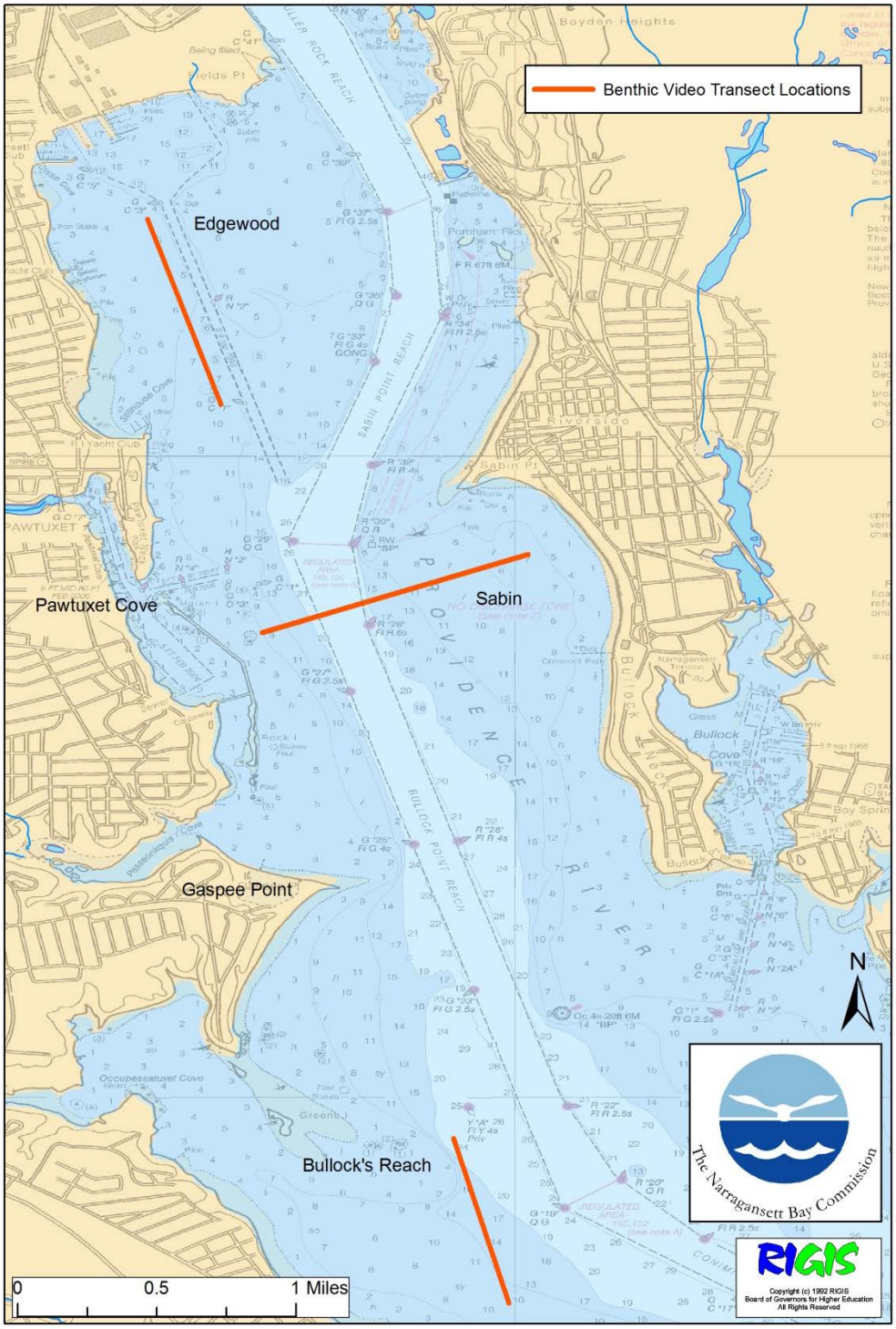
The sampling plan was designed to collect three samples at each outfall throughout the overflow event. The first sample is collected during the initial overflow, or first flush, stage and is expected to contain wastewater with the least degree of rain water dilution and the highest concentrations of materials washed from street and land surfaces into the combined sewer system. A second sample is then taken during the stage of highest overflow rate and a third sample taken near the conclusion of the event. This plan was fully implemented for the Outfall 002A sampling on August 11th. The other two sampling events at Outfall 220 were sampled two discrete times on June 11th and one time on July 1st. Due to the nature of the rainfall events, a full set of three samples was not possible on these dates. The sample from June 11th was sampled for the full suite of parameters; however due to a limited amount of sample collected, the full suite of parameters was unable to be analyzed for the sample on July 1st.

Benthic Video Monitoring

In 2011, the NBC purchased an underwater video camera for the purposes of viewing and monitoring the benthic conditions on the upper Bay floor in relation to plant upgrades and improved effluent water quality coming out of the WWTFs. A specialized sled mount was created to enable smooth towing of the camera and provide a consistent field of view for observations. In late 2014 the NBC designated three permanent transects to target in future benthic surveys to be conducted monthly, weather permitting. The locations of these transects can be seen in Figure 5. In 2015, the NBC collected approximately 13 hours of underwater footage along these three transects, continually improving field methods and refining this monitoring initiative. These videos revealed a diverse community of estuarine organisms living in the upper Bay including fish (e.g., summer flounder, juvenile black sea bass), crustaceans (e.g., mantis shrimp, spider crabs, hermit crabs), horseshoe crabs, sea stars, tube-building worms, and mollusks (e.g., soft-shelled clams, mud snails, slipper snails). In addition, variable habitat types were documented, including mudflats, zones covered in shell hash and shell rubble, extensive growth of macroalgae, and vast mats of amphipod tubes.

Video footage collected along these transects will increase the NBC's understanding of changes to the biological conditions in the upper Bay in relation to changes in effluent and related receiving waters monitoring. Summaries of each survey, with screenshot of interesting observations, are available to the public via the NBC's Snapshot webpage.

Figure 5. NBC Benthic Video Survey Transect Locations



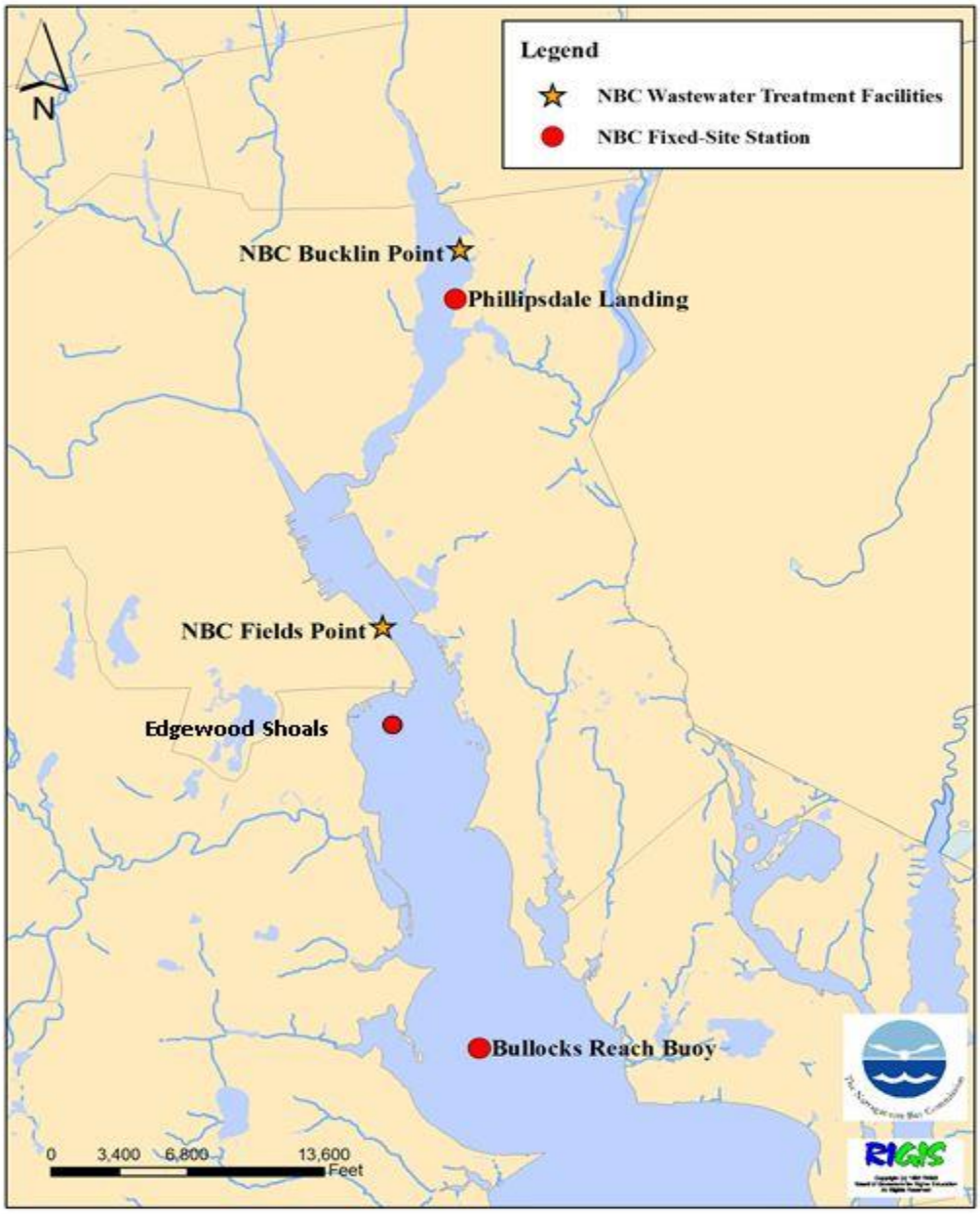
Narragansett Bay Fixed-Site Water Quality Monitoring

The NBC funds and maintains two fixed-site water quality monitoring stations, one in the Providence River and one in the Seekonk River. These stations were created in 2000 as part of a formerly EPA-grant funded "Environmental Monitoring for Public Access and Community Tracking" (EMPACT) Project. NBC has maintained full funding of these sites since federal grant funding ceased in 2002. The stations have been established in proximity to the Field's Point and Bucklin Point wastewater treatment plant outfalls. The Bullock's Reach station is a floating buoy located between Gaspee Point and Conimicut Point in the Providence River and the Phillipsdale Landing station is affixed to a dock located in the Seekonk River in East Providence. In 2014 a third site was added in the area of Edgewood Shoals, consisting of a small float. The locations of these sites are shown in Figure 6. These monitoring stations directly benefit Narragansett Bay research by allowing for continuous, real-time water quality monitoring in the more urbanized portions of the upper Bay. Through radio and land-based LAN-line telemetry systems, Bay researchers can consistently track changes in the estuaries from remote locations, thus saving valuable resources and decreasing the response time to anomalous conditions. These data also provide a baseline of water quality across seasons and reveal yearly trends. These two locations are part of a larger, bay-wide monitoring network of water quality instruments deployed and maintained by other agencies.

The NBC uses YSI water quality instruments, called sondes, to collect measurements of depth, temperature, salinity, pH, dissolved oxygen, turbidity, and fluorescence (a proxy for chlorophyll and phytoplankton activity). Data collected by the sondes, at both the Bullock's Reach buoy and Phillipsdale Landing stations are recorded every 15 minutes and are transmitted via radio signal from Bullock's Reach and via LAN-line connection from Phillipsdale Landing to a base station at Field's Point every hour. During the initial phase of the project in 2001 and 2002, EMDA and URI-GSO worked together to service and maintain the Bullock's Reach buoy. Since 2003, the NBC has assumed all maintenance activities at both the Bullock's Reach buoy as well as the Phillipsdale Landing dock site. The EMDA staff is also continually making improvements to equipment, infrastructure and QA/QC protocols to ensure the reliability of data collected.

As part of a statewide monitoring network collectively known as the Narragansett Bay Fixed-Site Water Quality Monitoring Network (Fixed-Site Network), EMDA currently works in partnership with the RIDEM, URI, and Narragansett Bay National Estuarine Research Reserve (NBNERR) to uphold standard operating procedures for calibration and maintenance of the sondes as well as data handling to maintain consistency between organizations. The RIDEM maintains a website which allows easy access to data from all of these fixed sites in one central location. This can be accessed at http://www.dem.ri.gov/bart/stations.htm. The RIDEM Bay Awareness and Response Team (BART) website currently displays a map showing station locations, weekly summaries of data from all network sites, monthly graphs of summer data, and all Fixed-Site Network data in raw, edited, and corrected formats. In addition to the RIDEM BART website, the NBC also maintains a website dedicated to the dissemination of NBC monitoring data called Snapshot of Upper Narragansett Bay (http://snapshot.narrabay.com/app/). Data from the two water quality monitoring stations are available near real-time in an easy-to-use and easy-to-understand format, including graphs and downloadable data tables.

Figure 6: NBC Fixed-Site Water Quality Monitoring Stations



As WWTFs reduce nitrogen input into the bay, nitrogen that is often associated with eutrophication and hypoxia, monitoring water quality can help researchers better understand the response of the bay to these reductions. Hypoxia is the condition that occurs when dissolved oxygen concentrations in water fall below a critical level, negatively affecting marine organisms. As part of the larger network of agencies continuously monitoring water quality in the bay, the NBC supports the understanding of the overall health of NBC's receiving waters and contributes to monitoring the response of these waters to nitrogen reductions from WWTFs. The water quality instruments (sondes) that NBC and the other agencies use at these fixed sites are continuously monitoring dissolved oxygen via optical sensors.

With the NBC receiving the data real-time from its two fixed sites, NBC staff can immediately determine when hypoxia is occurring and for how long. These data are extremely helpful for the NBC, RIDEM and other organizations in studying the dynamics of these events and how the organisms in the Bay respond.

Data from 2015 were sent to the RIDEM weekly during the critical summer months to keep them updated on the water quality status at the Bullock's Reach site. Throughout the years, data from the Bullock's Reach buoy have been useful in DEM's analysis of water quality changes in the upper Bay, and for periodic fish kills occurring in the upper Bay and rivers. The data from these sondes are also being used in a joint NBC-URI hydrodynamic modeling project that will provide information on currents, flushing, and predicted tracks of WWTF effluent in the Providence and Seekonk Rivers.

Phillipsdale Landing Dock Site

The Phillipsdale Landing site is located on the east side of the channel of the estuarine Seekonk River in East Providence. The monitoring location is very close to large freshwater river sources and is also open to the tidal estuarine Providence River. Therefore, it receives seawater flushing during the tidal cycle and the transport of saltier bottom waters in the form of a salt wedge. This makes the Seekonk River a tidal estuary, defined as a place of fresh and saltwater mixing, in the truest sense. The freshwater rivers feeding the Seekonk River include the Blackstone River, which is north of the Phillipsdale Landing site and feeds directly into the Seekonk River as its major source, and the Ten Mile River, which enters the Seekonk River just south of the Phillipsdale Landing station. The Phillipsdale Landing site is located in about 3.5 meters (11.5 feet) of water, just south of the Bucklin Point WWTF. Two YSI sondes collect water quality data from two depths, one located near the surface and one just off the bottom. With these instruments fastened to a dock, staff has easy access to the water quality instruments from shore, allowing them to get to the instruments quickly in the event of any problems.

Bullock's Reach Site

The Bullock's Reach site is situated on a floating YSI buoy that is anchored near the edge of the shipping channel in the southern section of the Providence River. This location is in deeper, more saline waters than the Phillipsdale Landing station and is less proximate to freshwater sources. The nearest freshwater source is the Pawtuxet River located to the northwest of the buoy site. The position of the buoy is to the northwest of Conimicut Point in about 8 meters (26 feet) of water, west of the Providence River channel and south of the Field's Point WWTF. There are three sondes at this site with a surface sonde placed in a PVC tube that is integrated into the buoy that allows protected but free-flowing access to the surface water. The bottom and mid-depth sondes are attached to the buoy on one line with a mushroom anchor at the bottom and a float just above the sonde to keep it in an upright position. Power to the buoy is maintained by a solar-powered battery.

Edgewood Shoals Site

In June 2014, the EMDA began collecting water quality data at a site known as Edgewood Shoals, using a portable buoy system to support the ongoing ROMS modeling project. This location is in an area of recurring hypoxic waters, thought to be affected by a gyre observed with the ROMS hydrodynamic model. ROMS model simulations show this area receives freshwater

inputs potentially from the Field's Point WWTF, the Pawtuxet River, and the Blackstone/Seekonk River. The gyre may trap a parcel of water and therefore nutrients in this area for up to ten days or more. The sondes were deployed via a line, mushroom anchor and subsurface float system. Monitoring of this location continued during 2015.

Data Collection

The Bullocks Reach buoy includes YSI sondes at three depths: surface, mid, and bottom. The three sondes are deployed via a YSI EMM 700 buoy system with the surface sonde at an approximate depth of 1.0 meters, a mid-depth sonde at approximately 4.2 meters, and sonde at the bottom at an approximate depth of 6.8 meters. Water quality data are recorded every 15 minutes from all three depths. The surface and mid-depth sondes measure depth (m), water temperature (°C), specific conductance (salinity; mS/cm and ppt), pH (s.u.), dissolved oxygen (% and mg/L), chlorophyll a (µg/L), and fluorescence (%). The bottom sonde also measures the same parameters with the exception of chlorophyll which is replaced by turbidity (NTU).The buoy is serviced via NBC's research vessel the *R/V Monitor*. Data from the buoy are transferred to a computer in the Field's Point Operations Building via radio signal every hour and are then viewed by EMDA personnel utilizing the YSI software program, Loggernet, and Interactive Oceanographics software, Streamline. For the 2015 season, the buoy was deployed in the water in late May and sondes began collecting data on June 3rd until they were removed for the season on November 4th.

The continuous monitoring site at Phillipsdale Landing collects water quality data from two depths, ~0.7 m below the surface and at the bottom, at an average depth of 1.9m, in 15 minute intervals. The surface sonde measures depth, water temperature, specific conductance (salinity), pH, dissolved oxygen, chlorophyll a, and fluorescence. The bottom sonde measures depth, water temperature, pH, and dissolved oxygen. As with the Bullock's Reach data, Phillipsdale Landing data are transferred to a computer in the Field's Point Operations Building via LAN line and are then viewed by EMDA personnel utilizing YSI software. For the 2015 season, the sondes began collecting data on March 31st and continued collecting data the rest of the year until they were removed from the water on January11th, 2016 due to concerns of ice buildup at the site.

Unlike Phillipsdale and Bullock's Reach, the sondes at Edgewood Shoals are not telemetered; data are logged internally in the sonde and are uploaded from the sondes once they are brought back to the lab. Sondes were set out at approximately 1.3 m below the surface and near the bottom at 5.1 meters. Data are collected in the same manner as the other locations, once every 15 minutes, including depth, water temperature, specific conductance (salinity), pH, dissolved oxygen, chlorophyll a, and fluorescence at both the surface and bottom sondes. During the 2015 season, sondes were set out on April 15th and were removed from the water on November 17th.

Lab and Field Procedures

Sondes are calibrated generally the day before deployment for each site at the lab in the EMDA office. All sondes are calibrated using YSI-recommended methods in the YSI Operations Manual as well as agreed upon protocols from the Fixed-Site Network. All calibrations use YSI standards and are conducted by trained NBC EMDA staff in the EMDA laboratory. Sondes are designated for each specific site, deployed, and then retrieved after approximately two weeks in the water. Upon returning to the EMDA lab, sondes undergo post-deployment checks, which consist of testing each parameter on the instrument for any issues with performance. The post-

deployment check involves placing the sonde probes in each calibration solution, as done during calibration, to check readings in that solution of known concentration. These data can be used in assessing how closely the sonde is reading to the actual solution levels, and therefore how far it has drifted from the original calibration or if there has been a probe failure. After the post-calibration check, sondes are cleaned and re-calibrated just before the next deployment period. Calibration and post-calibration results are recorded and kept for reference and data editing purposes.

Once at the deployment site, a vertical profile is done using another YSI sonde instrument that measures depth, water temperature, pH, and dissolved oxygen. This instrument can be lowered to the approximate depths of the sondes and can display readings for the parameters on a small handheld computer. These measurements can be compared to the newly deployed sonde to ensure the sonde is taking proper readings. Once the sondes are in the water, data can be viewed regularly back at the EMDA offices while the sondes are deployed. If any problems are observed in the data, an attempt is made to troubleshoot and replace the sonde if necessary. Summer deployments are kept to a maximum of two weeks in the water due to fouling concerns. All field work information is recorded on a Field Sheet to aid in any troubleshooting during data editing.

Data Management

Currently, the Bullock's Reach and Phillipsdale Landing sites are programmed to transmit data every hour to a computer at NBC. The data can be uploaded and viewed by EMDA staff anytime in order to assess and troubleshoot problems. The data are also available hourly to the public on the NBC Snapshot website: http://snapshot.narrabay.com/app/. Data files are also downloaded from sondes once back in the lab. A cursory review of the data is made until all data are synthesized at the end of the season, except when particular instances of hypoxia occur that warrant immediate and further evaluation. For Edgewood Shoals, data are not available on the NBC Snapshot website but can be requested directly from the NBC scientists.

During the summer months, the raw unedited data are also sent to the Fixed-Site Network coordinator to determine if the Bay is experiencing hypoxic conditions and to be posted on the DEM's BART website. At the conclusion of the season, all data are re-sent to the Fixed-Site Network coordinator for further editing and correcting.

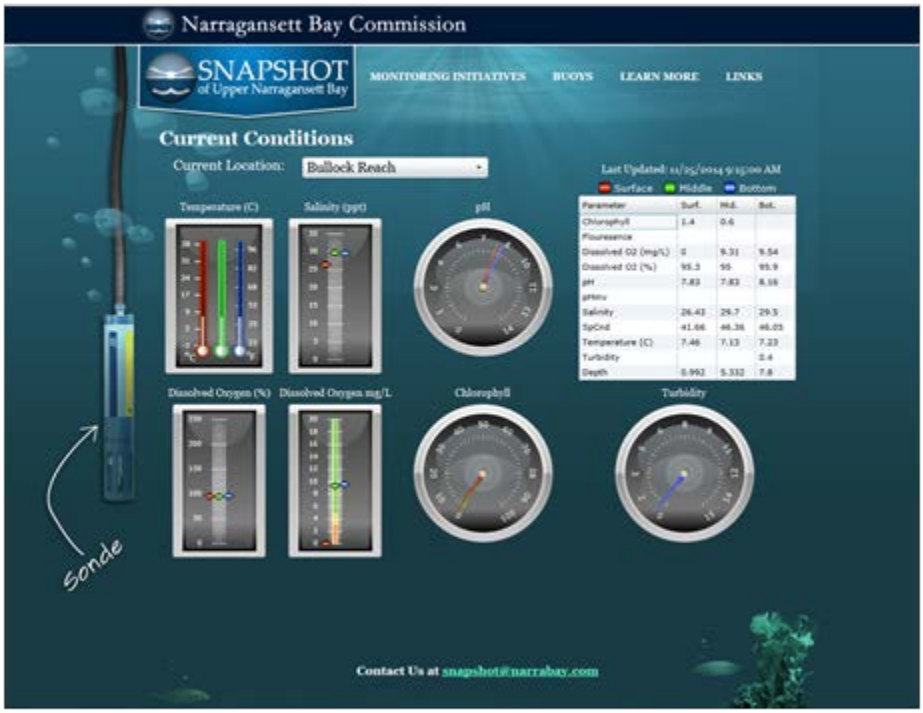
Fixed-site data are not included in paper format with this report as with the other tables due to the extensive nature of this sampling.

NBC Snapshot of Upper Narragansett Bay Website

In 2011, a new webpage was created by the NBC called "Snapshot of Upper Narragansett Bay" (http://snapshot.narrabay.com/app/) which was continually updated in 2015 with the most recent data from the receiving waters monitoring program. The webpage includes information and data for all of the NBC receiving waters monitoring, including a blog that is updated weekly with the most recent results of sampling events. Sampling procedures and charts showing data trends are presented for each monitoring initiative and tables with up-to-date monitoring results can be downloaded. The most recent data at the fixed water quality monitoring stations is displayed through dials and gauges as shown in Figure 7 below. This display allows users to quickly assess current water quality conditions. An interactive chart wizard also allows users to choose which

fixed-site water quality parameters to chart and display, and users can also choose parameters to display in table format, which can then be downloaded. The NBC Snapshot website represents a comprehensive look at water quality in upper Narragansett Bay by providing the general public with near real-time data and a wide range of information regarding water quality in Narragansett Bay. In 2012, the Narragansett Bay Commission received a National Association of Clean Water Agencies (NACWA) National Environmental Achievement Award for Excellence in Public Information and Education for the Snapshot website. NACWA's Public Information and Education Awards are presented for outstanding programs in video, printed publications, educational programs, or e-media.

Figure 7: NBC's Snapshot of Upper Narragansett Bay Website



Field's Point 2015 Wastewater Treatment Plant
TSS, BOD and Fecal Coliform Data

Date	Fecal Coliform Bacteria (MPN/100mL)	Influent Flow (MGD)	Raw Influent TSS (mg/L)	Raw Influent BOD (mg/L)	Final Effluent TSS (mg/L)	Final Effluent BOD (mg/L)
1/1/2015	2.0	36.57	120.67	154.84	7.33	5.45
1/2/2015	2.0	37.54	120.67	200.52	4.33	5.38
1/3/2015	3.7	50.63	148.67	396.60	4.67	7.20
1/4/2015	2.0	59.23	82.00	165.44	5.67	9.95
1/5/2015	2.0	42.24	105.33	214.66	5.00	7.66
1/6/2015	2.0	38.57	107.33	155.48	6.67	7.02
1/7/2015	2.0	39.99	120.67	191.68	9.00	7.94
1/8/2015	2.0	40.22	114.67	148.98	7.33	8.29
1/9/2015	2.0	38.63	136.67	188.53	5.67	7.55
1/10/2015	2.0	36.80	146.00	187.93	6.67	5.05
1/11/2015	2.0	39.13	124.67	203.36	9.33	6.58
1/12/2015	2.0	51.46	150.00	152.50	6.33	6.11
1/13/2015	4.0	39.34	118.00	183.88	9.33	6.51
1/14/2015	2.0	36.31	140.00	178.96	6.33	5.01
1/15/2015	2.0	36.15	138.00	196.61	7.00	4.31
1/16/2015	2.0	38.01	123.33	182.84	8.67	4.75
1/17/2015	2.0	35.82	153.33	224.26	2.33	6.84
1/18/2015	2.0	43.57	172.00	189.24	5.67	5.36
1/19/2015	2.0	39.38	120.67	187.41	8.33	5.76
1/20/2015	2.0	34.78	120.00	202.50	7.67	6.29
1/21/2015	2.0	36.16	130.67	209.60	5.33	5.73
1/22/2015	2.0	35.00	138.00	181.64	4.33	3.39
1/23/2015	2.0	34.36	130.00	210.69	<2.000	3.97
1/24/2015	2.0	50.55	140.67	175.42	3.67	5.17
1/25/2015	2.0	42.86	104.00	183.60	13.33	6.48
1/26/2015	2.0	34.75	123.33	199.18	6.33	4.83
1/27/2015	2.0	33.09	140.00	174.30	6.33	5.87
1/28/2015	2.0	35.50	148.00	205.47	7.33	4.67
1/29/2015	2.0	37.46	122.00	180.98	3.33	4.86
1/30/2015	2.0	35.31	124.00	211.75	6.33	5.21
1/31/2015	2.0	33.64	137.33	229.60	4.67	5.24
2/1/2015	2.0	34.52	158.67	210.99	6.00	4.20
2/2/2015	2.0	35.07	174.00	258.33	5.67	5.49
2/3/2015	2.0	33.86	157.33	230.73	4.67	5.36
2/4/2015	2.0	33.98	144.67	185.34	4.33	3.19
2/5/2015	2.0	33.79	129.33	214.41	6.67	4.90
2/6/2015	2.0	35.11	122.67	214.26	7.33	4.59
2/7/2015	2.0	33.80	130.00	241.67	3.00	4.83
2/8/2015	2.0	32.19	162.00	228.43	5.67	3.69
2/9/2015	2.0	32.43	147.33	227.69	4.33	3.77
2/10/2015	2.0	36.50	168.67	218.97	2.00	5.00
2/11/2015	2.0	32.88	155.33	253.49	5.33	5.69
2/12/2015	2.0	32.58	140.00	228.37	5.33	4.60
2/13/2015	2.0	31.83	170.67	250.09	4.33	4.51
2/14/2015	2.0	31.24	150.67	281.64	4.67	8.81

Field's Point 2015 Wastewater Treatment Plant
TSS, BOD and Fecal Coliform Data

Date	Fecal Coliform Bacteria (MPN/100mL)	Influent Flow (MGD)	Raw Influent TSS (mg/L)	Raw Influent BOD (mg/L)	Final Effluent TSS (mg/L)	Final Effluent BOD (mg/L)
2/15/2015	2.0	31.34	126.00	224.99	5.67	5.96
2/16/2015	2.0	35.50	152.00	224.91	2.33	5.60
2/17/2015	2.0	32.52	148.00	227.00	5.00	4.80
2/18/2015	2.0	32.12	167.33	240.16	3.33	4.76
2/19/2015	2.0	33.12	145.33	239.23	3.33	4.46
2/20/2015	2.0	33.22	171.33	229.68	3.78	4.74
2/21/2015	2.0	38.46	244.00	280.76	4.67	4.65
2/22/2015	2.0	40.76	170.67	221.42	6.67	5.94
2/23/2015	2.0	34.71	154.00	267.80	3.83	6.12
2/24/2015	2.0	32.48	124.00	222.72	3.83	4.68
2/25/2015	2.0	34.20	169.33	232.56	5.33	4.23
2/26/2015	2.0	32.05	156.67	275.99	5.17	4.94
2/27/2015	2.0	34.86	136.67	219.85	2.89	4.82
2/28/2015	2.0	32.91	144.00	228.05	6.67	4.46
3/1/2015	2.0	31.25	168.00	218.12	6.33	4.06
3/2/2015	2.0	36.84	149.33	242.55	3.33	6.20
3/3/2015	2.0	34.37	158.67	217.26	5.33	3.78
3/4/2015	4.0	50.28	165.33	182.67	4.67	4.28
3/5/2015	2.0	37.42	112.67	157.77	3.33	4.44
3/6/2015	2.0	35.85	140.67	222.20	4.00	4.86
3/7/2015	2.0	33.92	143.33	197.29	5.00	4.24
3/8/2015	2.0	36.57	127.33	197.71	4.33	4.71
3/9/2015	2.0	44.35	150.67	183.49	3.33	4.82
3/10/2015	2.0	51.37	166.67	168.62	4.17	5.50
3/11/2015	2.0	62.11	108.67	127.97	4.17	3.98
3/12/2015	2.8	54.14	122.67	135.18	5.50	4.49
3/13/2015	2.0	49.37	102.00	173.04	4.33	4.82
3/14/2015	2.0	64.80	107.33	105.81	8.00	5.69
3/15/2015	2.0	73.34	66.67	103.82	4.67	3.90
3/16/2015	2.0	72.70	62.00	120.99	4.50	4.77
3/17/2015	2.0	71.60	64.67	118.32	5.33	5.08
3/18/2015	2.0	66.36	68.00	126.58	5.67	6.04
3/19/2015	2.0	54.19	80.00	115.47	4.67	4.63
3/20/2015	2.0	52.15	83.33	138.54	4.56	4.81
3/21/2015	2.0	56.63	113.33	146.46	4.33	4.88
3/22/2015	2.0	48.56	91.33	137.67	7.67	5.70
3/23/2015	2.0	46.08	89.33	158.61	5.00	4.42
3/24/2015	2.0	46.67	97.33	153.46	3.33	3.72
3/25/2015	2.0	46.97	106.67	154.09	3.67	3.33
3/26/2015	2.0	61.88	149.33	127.20	4.17	5.58
3/27/2015	2.0	65.35	72.00	115.77	4.67	3.74
3/28/2015	2.0	65.83	71.33	126.71	7.67	4.79
3/29/2015	2.0	54.90	86.00	131.35	6.33	4.42
3/30/2015	2.0	52.38	84.67	153.30	3.83	6.57
3/31/2015	2.0	53.53	96.00	142.96	4.33	4.75
4/1/2015	2.0	48.49	97.33	150.68	4.50	5.18

Field's Point 2015 Wastewater Treatment Plant
TSS, BOD and Fecal Coliform Data

Date	Fecal Coliform Bacteria (MPN/100mL)	Influent Flow (MGD)	Raw Influent TSS (mg/L)	Raw Influent BOD (mg/L)	Final Effluent TSS (mg/L)	Final Effluent BOD (mg/L)
4/2/2015	2.0	49.35	100.67	146.62	4.33	5.07
4/3/2015	2.0	50.90	120.67	191.27	4.44	5.52
4/4/2015	2.0	52.88	100.67	148.20	6.33	4.12
4/5/2015	2.0	48.91	98.67	131.61	8.67	4.30
4/6/2015	2.0	45.68	114.67	135.90	2.00	4.83
4/7/2015	2.0	57.21	130.00	138.23	5.67	5.20
4/8/2015	2.0	52.57	100.00	137.41	5.67	3.88
4/9/2015	2.0	51.67	116.00	152.49	7.00	3.51
4/10/2015	2.0	51.21	112.67	154.26	5.67	3.72
4/11/2015	2.0	45.02	98.67	175.46	4.67	5.82
4/12/2015	2.0	43.69	105.33	150.45	<2.000	4.41
4/13/2015	2.0	46.19	138.00	148.66	8.33	3.53
4/14/2015	2.0	42.25	131.33	160.97	9.67	4.12
4/15/2015	2.0	42.77	130.00	172.18	7.67	4.25
4/16/2015	2.0	43.82	141.33	156.23	4.67	3.54
4/17/2015	2.0	43.62	108.00	192.47	2.22	4.15
4/18/2015	2.0	40.51	124.00	214.05	8.00	3.55
4/19/2015	2.0	43.48	140.67	180.85	8.33	4.82
4/20/2015	2.8	62.75	182.67	126.35	11.67	5.31
4/21/2015	2.8	66.64	83.33	123.50	5.67	4.93
4/22/2015	2.0	68.09	78.00	105.72	5.33	3.08
4/23/2015	2.0	62.39	79.33	134.11	7.00	5.19
4/24/2015	2.0	45.42	97.33	153.40	2.44	2.62
4/25/2015	2.0	43.34	110.67	172.45	2.67	2.93
4/26/2015	2.8	45.11	122.00	160.67	6.33	3.03
4/27/2015	2.8	44.35	127.33	176.85	8.00	4.58
4/28/2015	2.0	40.91	143.33	157.20	5.00	2.91
4/29/2015	2.0	43.98	138.00	164.14	5.33	3.68
4/30/2015	2.8	39.82	142.67	175.62	8.33	4.42
5/1/2015	2.0	40.00	123.33	178.65	2.33	4.50
5/2/2015	2.0	38.54	114.00	169.75	3.67	4.56
5/3/2015	2.0	41.64	140.67	165.34	6.00	5.13
5/4/2015	2.0	37.92	152.00	194.01	5.67	6.48
5/5/2015	2.0	39.23	126.67	203.13	4.33	7.14
5/6/2015	2.5	38.88	133.33	171.85	3.67	5.40
5/7/2015	2.0	37.90	127.33	207.70	2.78	6.11
5/8/2015	2.0	36.73	130.00	173.20	<2.000	5.49
5/9/2015	2.0	37.26	142.00	197.23	4.00	5.67
5/10/2015	2.0	39.06	136.67	175.45	3.00	7.03
5/11/2015	4.0	39.34	164.00	239.38	4.00	6.40
5/12/2015	2.0	38.46	181.33	230.19	4.00	5.32
5/13/2015	2.0	36.28	137.33	168.93	3.33	4.41
5/14/2015	2.0	35.72	134.00	180.07	2.33	4.39
5/15/2015	2.0	35.91	146.00	179.41	3.44	4.39
5/16/2015	2.0	37.02	173.33	198.84	4.33	4.13
5/17/2015	2.0	34.82	138.00	211.65	4.33	6.28

Field's Point 2015 Wastewater Treatment Plant
TSS, BOD and Fecal Coliform Data

Date	Fecal Coliform Bacteria (MPN/100mL)	Influent Flow (MGD)	Raw Influent TSS (mg/L)	Raw Influent BOD (mg/L)	Final Effluent TSS (mg/L)	Final Effluent BOD (mg/L)
5/18/2015	2.0	35.40	154.00	196.98	4.00	4.43
5/19/2015	2.0	43.53	151.33	204.20	3.33	4.29
5/20/2015	2.0	33.51	101.33	223.43	4.33	4.34
5/21/2015	2.0	34.39	127.33	188.36	2.44	5.24
5/22/2015	2.8	35.11	130.00	213.06	2.44	4.25
5/23/2015	2.0	32.62	135.33	295.60	2.67	4.24
5/24/2015	2.0	33.04	144.67	186.97	3.67	4.93
5/25/2015	2.0	31.61	165.33	222.07	2.67	4.58
5/26/2015	2.0	32.47	157.33	193.76	4.67	4.67
5/27/2015	2.0	33.04	140.67	197.39	3.33	4.57
5/28/2015	2.0	34.93	155.33	178.05	3.67	4.95
5/29/2015	2.0	31.25	146.00	226.02	2.44	6.15
5/30/2015	2.0	31.92	138.67	225.08	2.67	5.97
5/31/2015	2.0	48.41	240.00	198.30	23.67	16.34
6/1/2015	2.0	62.01	121.33	153.86	8.33	9.88
6/2/2015	2.0	54.91	86.00	148.03	3.33	4.61
6/3/2015	2.0	39.70	94.67	165.25	2.33	3.08
6/4/2015	2.0	33.29	136.67	168.17	4.00	3.48
6/5/2015	2.0	33.40	156.00	216.90	3.89	4.03
6/6/2015	2.8	34.36	139.33	194.75	5.33	4.39
6/7/2015	2.0	32.36	143.33	181.05	5.67	4.55
6/8/2015	4.0	32.10	140.00	181.80	2.00	3.87
6/9/2015	2.8	34.78	138.67	185.85	4.33	4.19
6/10/2015	2.0	31.10	136.67	223.05	3.67	4.52
6/11/2015	2.0	33.24	145.33	193.04	2.33	4.41
6/12/2015	2.0	30.95	152.67	195.59	3.89	4.47
6/13/2015	2.0	33.95	148.00	207.35	5.33	4.95
6/14/2015	2.0	31.72	162.67	208.25	5.33	4.57
6/15/2015	2.8	57.49	142.00	154.90	7.67	5.20
6/16/2015	2.0	55.77	90.00	129.88	3.33	3.70
6/17/2015	2.0	33.04	121.33	187.69	7.33	5.06
6/18/2015	2.8	32.08	133.33	176.25	3.67	3.17
6/19/2015	2.0	34.93	126.67	165.15	2.67	3.08
6/20/2015	2.0	37.66	170.00	189.60	3.33	3.03
6/21/2015	4.7	71.65	130.67	93.41	8.33	4.16
6/22/2015	2.0	60.09	77.33	122.01	2.00	4.40
6/23/2015	2.0	60.49	85.33	116.43	2.00	3.79
6/24/2015	2.0	39.99	103.33	156.58	2.33	4.23
6/25/2015	2.0	34.77	120.67	178.21	<2.000	4.51
6/26/2015	2.0	33.00	132.67	93.41	2.67	4.16
6/27/2015	4.7	46.98	104.67	122.01	9.67	4.40
6/28/2015	8.5	63.49	72.00	97.40	3.67	3.93
6/29/2015	4.0	49.05	91.33	140.54	2.50	4.58
6/30/2015	2.0	41.89	100.67	160.08	2.33	5.25
7/1/2015	3.2	51.86	120.67	133.56	2.17	5.46
7/2/2015	1.0	46.04	108.00	154.58	4.00	4.80

Field's Point 2015 Wastewater Treatment Plant
TSS, BOD and Fecal Coliform Data

Date	Fecal Coliform Bacteria (MPN/100mL)	Influent Flow (MGD)	Raw Influent TSS (mg/L)	Raw Influent BOD (mg/L)	Final Effluent TSS (mg/L)	Final Effluent BOD (mg/L)
7/3/2015	1.0	34.73	119.33	156.64	5.00	5.39
7/4/2015	1.4	33.91	137.33	165.44	4.67	5.32
7/5/2015	1.0	34.11	120.67	140.89	6.67	5.72
7/6/2015	1.4	35.65	137.33	165.80	5.67	5.79
7/7/2015	1.4	36.29	153.33	174.71	4.00	5.10
7/8/2015	1.3	48.93	177.33	174.94	5.33	5.56
7/9/2015	1.4	53.26	103.33	138.96	3.50	4.60
7/10/2015	2.8	49.27	100.67	120.40	4.33	4.32
7/11/2015	2.0	38.99	119.33	142.79	4.33	4.92
7/12/2015	2.0	34.48	121.33	130.14	6.67	4.74
7/13/2015	1.0	36.85	136.00	146.62	4.00	4.51
7/14/2015	1.0	45.71	202.67	147.56	11.00	5.38
7/15/2015	1.0	44.59	143.33	130.27	3.33	4.53
7/16/2015	1.0	39.65	128.00	135.21	5.00	3.10
7/17/2015	1.0	34.79	120.67	152.65	<2.000	4.12
7/18/2015	1.4	32.89	132.00	176.60	4.00	4.12
7/19/2015	1.4	33.62	141.33	155.33	4.00	5.05
7/20/2015	1.4	33.43	148.00	163.57	6.67	5.90
7/21/2015	1.0	33.90	151.33	153.54	3.00	4.60
7/22/2015	2.5	32.73	130.00	180.35	2.11	4.52
7/23/2015	1.4	35.66	144.00	157.37	7.33	4.62
7/24/2015	1.4	31.52	156.67	161.76	4.67	3.58
7/25/2015	2.0	31.23	154.67	187.92	3.67	3.25
7/26/2015	3.3	32.86	153.33	176.65	6.00	3.60
7/27/2015	1.0	35.46	174.00	196.51	3.56	3.86
7/28/2015	2.8	33.37	168.00	190.56	3.33	3.78
7/29/2015	1.3	31.76	142.67	191.66	4.33	3.75
7/30/2015	2.0	36.17	156.00	184.09	2.33	3.82
7/31/2015	1.0	30.74	130.67	191.92	3.22	3.28
8/1/2015	2.0	32.11	178.00	192.43	6.00	3.52
8/2/2015	1.0	32.32	149.33	169.31	5.33	3.27
8/3/2015	2.0	31.75	134.00	187.66	3.33	2.80
8/4/2015	8.8	57.77	127.33	127.29	5.00	4.29
8/5/2015	1.3	32.48	124.00	155.37	4.00	2.81
8/6/2015	1.0	30.73	122.67	160.64	3.33	2.69
8/7/2015	1.4	30.64	152.67	172.28	3.33	2.94
8/8/2015	1.4	29.16	146.00	176.13	3.33	3.46
8/9/2015	2.8	31.14	154.00	185.81	5.00	2.52
8/10/2015	2.0	29.99	175.33	218.87	2.67	2.87
8/11/2015	1.0	53.14	143.33	146.67	5.83	3.78
8/12/2015	2.5	53.10	87.33	115.37	3.83	3.26
8/13/2015	4.7	32.29	120.00	166.72	2.67	3.93
8/14/2015	2.0	30.49	136.67	182.33	4.67	3.62
8/15/2015	1.4	30.79	150.67	196.96	4.00	3.62
8/16/2015	1.4	31.80	139.33	169.92	4.67	3.33
8/17/2015	1.4	30.49	127.33	186.22	2.83	3.04

Field's Point 2015 Wastewater Treatment Plant
TSS, BOD and Fecal Coliform Data

Date	Fecal Coliform Bacteria (MPN/100mL)	Influent Flow (MGD)	Raw Influent TSS (mg/L)	Raw Influent BOD (mg/L)	Final Effluent TSS (mg/L)	Final Effluent BOD (mg/L)
8/18/2015	1.0	31.33	134.00	180.21	2.83	2.45
8/19/2015	1.3	30.01	134.00	178.60	2.00	2.75
8/20/2015	1.4	33.54	145.33	173.32	2.67	4.41
8/21/2015	2.8	30.06	165.33	168.64	3.44	4.46
8/22/2015	1.0	29.03	156.67	186.41	5.33	4.98
8/23/2015	2.0	29.19	130.67	165.77	6.33	5.30
8/24/2015	2.8	30.11	153.33	197.89	6.33	5.09
8/25/2015	3.3	29.73	188.67	193.21	7.00	6.16
8/26/2015	2.0	28.28	154.00	145.99	6.00	5.48
8/27/2015	1.0	28.67	160.00	180.34	5.33	5.35
8/28/2015	1.4	30.20	166.00	176.86	2.89	5.43
8/29/2015	2.0	27.97	163.33	199.05	7.67	5.67
8/30/2015	1.0	29.72	162.67	201.57	7.67	5.66
8/31/2015	1.4	28.34	162.00	206.24	7.67	6.84
9/1/2015	2.0	30.44	168.67	201.72	8.67	5.63
9/2/2015	4.0	28.95	146.00	190.16	3.50	5.08
9/3/2015	6.8	30.75	144.67	178.85	3.83	5.68
9/4/2015	3.6	30.28	152.67	203.81	6.33	4.49
9/5/2015	2.0	27.62	148.00	211.86	6.67	5.09
9/6/2015	1.4	29.85	143.33	193.06	7.33	5.06
9/7/2015	1.4	29.33	172.67	218.90	9.33	5.78
9/8/2015	1.0	30.73	209.33	230.74	8.33	5.77
9/9/2015	1.0	29.21	169.33	200.44	12.67	6.82
9/10/2015	2.6	53.87	230.00	165.79	12.33	5.59
9/11/2015	2.8	49.91	98.67	138.31	5.56	3.88
9/12/2015	2.0	32.67	129.33	204.89	6.33	5.52
9/13/2015	6.0	29.01	140.00	181.49	7.33	4.67
9/14/2015	2.0	29.42	138.00	199.32	7.33	5.58
9/15/2015	1.0	28.88	146.00	185.92	5.33	5.39
9/16/2015	1.0	28.32	158.67	204.43	7.67	6.24
9/17/2015	2.0	31.66	160.67	174.66	7.00	5.02
9/18/2015	1.4	28.19	150.67	192.24	6.22	4.88
9/19/2015	1.4	28.08	150.00	204.29	7.67	4.85
9/20/2015	1.4	29.23	169.33	227.16	7.67	4.92
9/21/2015	2.8	28.33	174.67	218.81	7.67	3.87
9/22/2015	2.0	27.48	150.67	196.82	2.33	4.14
9/23/2015	2.0	28.33	162.00	219.63	6.67	3.98
9/24/2015	4.0	29.52	151.33	196.97	5.67	3.53
9/25/2015	1.4	27.47	170.67	219.23	4.22	3.20
9/26/2015	1.0	27.62	160.67	204.53	11.67	2.85
9/27/2015	2.0	29.36	137.33	216.85	6.33	3.08
9/28/2015	2.8	27.57	173.33	214.86	4.33	3.79
9/29/2015	1.0	40.33	286.67	222.04	3.50	3.68
9/30/2015	11.6	82.88	137.33	110.56	8.33	4.95
10/1/2015	2.0	57.35	107.33	101.56	4.00	2.48
10/2/2015	2.0	61.49	103.33	123.65	5.56	2.61

Field's Point 2015 Wastewater Treatment Plant
TSS, BOD and Fecal Coliform Data

Date	Fecal Coliform Bacteria (MPN/100mL)	Influent Flow (MGD)	Raw Influent TSS (mg/L)	Raw Influent BOD (mg/L)	Final Effluent TSS (mg/L)	Final Effluent BOD (mg/L)
10/3/2015	2.0	35.45	120.00	147.07	6.67	2.16
10/4/2015	19.3	31.14	112.67	145.54	10.00	2.89
10/5/2015	1.0	31.14	190.00	197.78	5.67	3.01
10/6/2015	1.4	28.58	144.00	225.57	3.50	3.05
10/7/2015	2.0	30.38	162.00	173.24	6.33	2.99
10/8/2015	1.4	31.93	181.33	162.78	9.00	3.14
10/9/2015	2.8	32.92	191.33	184.99	5.44	3.29
10/10/2015	1.4	28.71	124.00	210.09	3.67	2.94
10/11/2015	4.8	30.60	133.33	133.30	3.67	2.88
10/12/2015	5.7	29.48	134.00	197.14	2.67	3.01
10/13/2015	4.0	39.18	157.33	174.30	3.83	3.45
10/14/2015	1.3	29.90	136.00	188.32	2.33	3.40
10/15/2015	1.4	28.54	116.00	166.37	2.67	3.33
10/16/2015	5.3	27.73	160.00	189.34	4.56	3.44
10/17/2015	9.5	31.65	174.00	203.28	4.00	3.31
10/18/2015	5.7	28.67	136.00	190.47	3.00	3.34
10/19/2015	5.1	29.09	144.67	182.61	<2.000	4.23
10/20/2015	2.8	27.58	176.67	214.75	2.33	3.63
10/21/2015	2.5	27.97	158.00	209.84	3.83	4.13
10/22/2015	5.1	29.82	160.67	174.14	4.33	3.77
10/23/2015	1.0	28.49	166.00	197.09	5.00	3.46
10/24/2015	2.0	27.81	162.67	203.61	4.33	3.89
10/25/2015	4.0	29.58	160.00	203.24	5.00	3.92
10/26/2015	2.0	28.64	169.33	213.39	7.33	3.99
10/27/2015	1.4	28.18	178.67	195.70	5.67	4.10
10/28/2015	19.7	57.19	236.00	163.51	15.67	5.41
10/29/2015	5.5	56.92	131.33	109.85	14.67	5.11
10/30/2015	1.4	56.08	90.00	120.88	7.89	4.82
10/31/2015	4.0	54.45	94.67	126.73	8.33	4.99
11/1/2015	1.0	30.69	146.67	172.71	7.33	3.62
11/2/2015	7.5	29.14	161.33	185.89	7.33	3.73
11/3/2015	1.0	29.27	150.00	202.59	4.22	3.44
11/4/2015	1.0	30.77	170.00	205.29	6.33	3.82
11/5/2015	2.0	32.61	171.33	178.08	3.56	4.43
11/6/2015	1.0	28.12	164.00	203.49	4.67	4.52
11/7/2015	1.4	29.13	160.67	193.32	11.67	7.34
11/8/2015	3.3	29.51	149.33	181.80	7.67	3.85
11/9/2015	2.8	29.13	174.00	194.34	6.67	3.52
11/10/2015	2.0	42.86	218.67	191.01	8.33	5.78
11/11/2015	1.6	33.26	128.67	167.11	4.00	3.88
11/12/2015	2.0	30.27	157.33	187.29	7.33	4.32
11/13/2015	2.0	29.41	140.67	170.80	5.44	4.53
11/14/2015	1.0	28.84	161.33	243.53	4.33	3.32
11/15/2015	1.0	30.67	148.00	207.37	4.67	4.39
11/16/2015	1.4	28.43	171.33	238.15	8.00	5.15
11/17/2015	1.4	28.46	164.00	257.70	3.00	3.02

Field's Point 2015 Wastewater Treatment Plant
TSS, BOD and Fecal Coliform Data

Date	Fecal Coliform Bacteria (MPN/100mL)	Influent Flow (MGD)	Raw Influent TSS (mg/L)	Raw Influent BOD (mg/L)	Final Effluent TSS (mg/L)	Final Effluent BOD (mg/L)
11/18/2015	1.0	28.06	177.33	247.66	3.33	2.87
11/19/2015	4.1	43.48	202.67	182.05	6.44	4.61
11/20/2015	5.3	58.33	87.33	131.66	6.22	5.02
11/21/2015	2.0	55.18	93.33	130.44	5.33	4.13
11/22/2015	4.0	49.11	106.67	168.48	5.67	3.61
11/23/2015	2.0	33.68	122.00	186.69	3.33	2.99
11/24/2015	2.0	30.28	132.00	172.04	4.33	3.36
11/25/2015	1.3	29.08	142.67	201.22	2.33	3.13
11/26/2015	2.0	30.26	164.00	226.49	4.67	3.30
11/27/2015	2.0	29.75	136.67	195.39	2.33	3.12
11/28/2015	1.4	33.47	175.33	202.23	4.67	3.39
11/29/2015	1.0	28.93	134.00	175.92	4.67	2.61
11/30/2015	1.4	30.41	109.33	184.85	5.33	2.89
12/1/2015	1.0	40.22	177.33	198.86	<2.000	3.43
12/2/2015	1.3	34.59	128.00	197.26	4.33	3.54
12/3/2015	1.4	28.68	138.00	180.33	6.33	3.43
12/4/2015	1.0	30.10	150.67	205.12	3.00	3.79
12/5/2015	1.0	31.62	132.67	188.31	4.67	4.50
12/6/2015	2.8	30.16	140.00	182.30	6.67	4.76
12/7/2015	2.0	29.69	172.00	177.74	3.33	4.64
12/8/2015	2.0	31.34	152.67	221.88	4.00	5.18
12/9/2015	1.0	29.14	158.67	196.07	5.11	5.28
12/10/2015	1.0	29.30	148.67	206.44	3.78	5.57
12/11/2015	1.4	29.00	161.33	223.32	3.44	5.36
12/12/2015	1.0	31.91	147.33	215.00	4.33	5.48
12/13/2015	1.0	28.88	154.67	218.85	5.33	4.92
12/14/2015	2.0	43.35	189.33	204.48	7.33	6.49
12/15/2015	1.4	48.66	110.00	151.71	6.33	5.22
12/16/2015	1.0	29.34	138.67	194.23	5.67	3.67
12/17/2015	1.0	49.15	140.00	159.69	4.89	5.30
12/18/2015	1.0	40.74	107.33	150.05	3.22	3.73
12/19/2015	1.4	29.86	135.33	213.67	6.33	3.68
12/20/2015	1.4	29.01	124.00	175.21	8.00	3.12
12/21/2015	1.4	32.53	150.67	198.80	6.00	6.19
12/22/2015	1.0	35.48	206.00	210.51	4.67	5.95
12/23/2015	1.9	49.80	172.67	155.88	6.33	4.11
12/24/2015	1.4	60.88	73.33	101.00	3.89	2.93
12/25/2015	1.0	56.82	72.00	106.62	2.89	2.32
12/26/2015	1.0	46.51	183.33	171.34	3.00	2.59
12/27/2015	1.0	33.33	118.67	143.76	5.33	2.89
12/28/2015	1.4	34.36	142.00	177.31	8.00	3.55
12/29/2015	1.4	54.81	134.00	139.23	7.33	5.48
12/30/2015	1.6	43.73	124.67	155.57	7.11	5.92
12/31/2015	3.6	36.76	110.67	163.93	5.00	5.38

Bucklin Point 2015 Wastewater Treatment Plant
TSS, BOD and Fecal Coliform Data

Date	Fecal Coliform Bacteria (MPN/100 ml)	Influent Flow (MGD)	Raw Influent TSS (mg/L)	Raw Influent BOD (mg/L)	Final Effluent TSS (mg/L)	Final Effluent BOD (mg/L)
1/1/2015	3.4	18.26	149.33	192.08	6.00	3.07
1/2/2015	2.8	18.81	118.67	201.33	3.33	3.26
1/3/2015	2.0	20.30	124.67	325.20	10.33	5.87
1/4/2015	9.5	37.34	170.00	212.28	22.33	35.12
1/5/2015	2.0	20.58	116.00	194.81	8.33	4.66
1/6/2015	3.3	20.10	121.33	184.81	5.67	3.10
1/7/2015	5.1	19.20	97.33	303.06	8.67	3.25
1/8/2015	5.0	19.18	137.33	184.50	7.67	2.97
1/9/2015	9.7	19.63	126.67	203.03	5.33	2.99
1/10/2015	5.7	18.71	137.33	200.12	7.33	4.15
1/11/2015	3.3	18.69	138.00	213.01	7.67	3.68
1/12/2015	4.0	27.96	150.67	189.24	12.00	5.94
1/13/2015	3.4	18.37	136.00	170.78	10.00	4.09
1/14/2015	3.0	18.53	128.67	196.12	8.67	2.97
1/15/2015	2.4	18.45	142.67	204.41	6.33	3.02
1/16/2015	3.9	17.93	142.00	229.20	3.67	2.62
1/17/2015	2.8	17.30	144.00	239.72	8.33	3.44
1/18/2015	3.4	24.04	147.33	195.17	7.33	2.53
1/19/2015	2.0	19.39	157.33	188.81	7.00	2.78
1/20/2015	2.0	17.87	124.00	204.74	8.00	3.20
1/21/2015	2.6	17.47	142.67	200.57	6.67	3.07
1/22/2015	3.6	17.21	152.00	195.70	6.67	2.34
1/23/2015	2.0	16.43	148.00	212.24	5.67	2.47
1/24/2015	2.0	24.67	156.67	209.34	7.00	3.58
1/25/2015	2.0	20.16	108.67	173.25	7.67	3.38
1/26/2015	4.4	17.31	127.33	205.25	6.33	2.86
1/27/2015	4.0	15.90	148.67	185.71	6.00	2.81
1/28/2015	2.6	17.19	152.00	187.26	6.00	2.86
1/29/2015	3.9	17.04	147.33	216.79	6.67	2.89
1/30/2015	2.8	18.30	152.67	223.85	5.67	3.20
1/31/2015	2.0	16.14	153.33	223.67	6.33	2.31
2/1/2015	2.4	16.19	132.00	221.65	4.67	2.07
2/2/2015	2.0	16.64	133.33	249.50	4.33	3.24
2/3/2015	5.3	16.38	148.00	240.21	6.67	3.37
2/4/2015	2.0	17.19	154.67	230.61	6.00	2.12
2/5/2015	2.8	17.19	173.33	235.85	9.67	2.45
2/6/2015	4.8	16.40	160.00	246.21	5.67	2.77
2/7/2015	2.0	17.00	152.00	251.83	3.67	3.16
2/8/2015	2.4	16.42	145.33	247.21	4.67	2.24
2/9/2015	2.4	16.34	150.67	237.09	4.33	2.41
2/10/2015	3.1	16.31	157.33	230.37	4.67	3.00
2/11/2015	2.5	16.27	163.33	246.06	4.67	3.30
2/12/2015	2.4	16.36	170.00	254.84	5.17	2.72
2/13/2015	2.0	15.21	167.33	240.61	6.33	2.82
2/14/2015	28.1	16.66	148.67	231.33	5.67	3.87
2/15/2015	27.6	15.40	124.87	218.72	6.00	3.61
2/16/2015	7.5	15.62	168.67	251.16	4.67	3.01

Bucklin Point 2015 Wastewater Treatment Plant
TSS, BOD and Fecal Coliform Data

Date	Fecal Coliform Bacteria (MPN/100 ml)	Influent Flow (MGD)	Raw Influent TSS (mg/L)	Raw Influent BOD (mg/L)	Final Effluent TSS (mg/L)	Final Effluent BOD (mg/L)
2/17/2015	5.2	15.83	212.00	221.94	5.17	2.39
2/18/2015	3.0	16.43	165.33	227.54	5.00	3.27
2/19/2015	2.8	15.85	169.33	251.29	3.83	3.84
2/20/2015	2.0	14.86	148.67	210.85	5.33	2.34
2/21/2015	2.4	16.32	163.33	242.23	4.67	2.78
2/22/2015	2.4	21.75	212.67	255.89	6.33	5.15
2/23/2015	5.7	16.15	175.33	231.93	5.67	4.64
2/24/2015	3.4	15.94	157.33	239.13	6.17	2.78
2/25/2015	3.0	15.72	171.33	240.63	2.83	2.40
2/26/2015	9.7	15.82	238.67	261.03	4.33	2.66
2/27/2015	11.1	15.04	160.67	280.37	3.33	2.79
2/28/2015	2.4	15.23	162.00	230.82	5.67	2.89
3/1/2015	2.4	15.92	302.00	326.79	4.67	2.67
3/2/2015	3.4	16.71	168.67	276.06	4.33	3.49
3/3/2015	2.0	15.62	191.33	229.35	6.33	2.19
3/4/2015	4.7	25.18	190.00	229.68	7.67	3.20
3/5/2015	5.2	17.84	143.33	174.38	4.83	2.42
3/6/2015	4.6	15.92	136.67	221.46	3.44	2.60
3/7/2015	2.0	17.15	148.00	234.01	5.00	2.55
3/8/2015	2.4	17.37	150.00	235.09	5.00	2.34
3/9/2015	2.0	19.82	158.00	227.76	4.67	2.36
3/10/2015	2.4	21.97	164.00	212.55	6.33	3.97
3/11/2015	2.6	32.17	144.00	165.44	40.33	30.58
3/12/2015	4.4	21.55	134.67	131.89	5.67	3.22
3/13/2015	3.4	20.28	113.33	172.34	4.56	2.72
3/14/2015	3.4	47.60	133.33	188.40	13.67	7.03
3/15/2015	2.0	30.73	130.67	115.87	12.00	4.54
3/16/2015	2.0	26.80	79.33	138.76	7.17	3.37
3/17/2015	2.4	30.62	86.00	140.17	7.33	3.54
3/18/2015	2.6	26.79	82.00	137.03	5.67	3.55
3/19/2015	2.4	25.32	91.33	123.18	6.17	2.82
3/20/2015	5.7	25.43	83.33	144.34	4.78	2.60
3/21/2015	2.8	27.00	94.00	145.51	3.33	2.94
3/22/2015	2.0	23.47	101.33	223.03	4.33	3.47
3/23/2015	2.8	22.48	108.00	173.87	4.67	2.66
3/24/2015	5.0	21.93	110.00	175.44	7.00	4.14
3/25/2015	3.5	22.82	103.33	146.27	4.17	2.00
3/26/2015	2.4	33.24	111.33	139.96	8.67	3.97
3/27/2015	2.4	35.64	150.67	138.30	7.00	3.54
3/28/2015	2.4	31.41	83.33	132.17	8.33	3.66
3/29/2015	2.0	26.64	77.33	126.18	5.00	2.49
3/30/2015	2.0	27.56	97.33	208.07	4.00	3.72
3/31/2015	2.4	26.24	105.33	154.62	3.83	2.62
4/1/2015	2.3	24.68	98.00	153.32	5.00	3.28
4/2/2015	3.6	24.92	109.33	158.84	5.33	2.70
4/3/2015	2.8	26.51	96.00	174.03	3.00	4.78
4/4/2015	2.4	27.04	150.00	161.40	6.33	3.25

Bucklin Point 2015 Wastewater Treatment Plant
TSS, BOD and Fecal Coliform Data

Date	Fecal Coliform Bacteria (MPN/100 ml)	Influent Flow (MGD)	Raw Influent TSS (mg/L)	Raw Influent BOD (mg/L)	Final Effluent TSS (mg/L)	Final Effluent BOD (mg/L)
4/5/2015	2.0	25.79	138.00	182.92	6.33	3.16
4/6/2015	2.0	24.06	112.67	126.50	5.67	3.40
4/7/2015	2.4	30.14	126.67	138.68	8.67	4.36
4/8/2015	2.9	24.39	106.67	127.95	4.67	3.49
4/9/2015	2.4	30.24	107.33	146.44	7.67	3.06
4/10/2015	2.0	27.54	140.67	159.53	6.50	3.37
4/11/2015	2.0	23.18	120.00	162.80	5.33	4.68
4/12/2015	2.0	21.94	112.00	164.37	5.33	2.89
4/13/2015	2.0	22.05	124.00	147.29	5.67	2.59
4/14/2015	2.4	22.29	144.67	157.59	7.67	2.52
4/15/2015	2.0	21.01	135.33	191.62	6.67	2.65
4/16/2015	2.8	20.99	152.00	161.85	8.67	2.96
4/17/2015	2.0	22.82	132.67	184.51	2.11	2.26
4/18/2015	2.8	20.85	162.00	188.85	8.00	2.87
4/19/2015	2.4	19.82	139.33	188.46	6.00	2.68
4/20/2015	2.4	42.70	133.33	155.74	14.00	5.68
4/21/2015	2.4	29.26	165.33	133.18	3.67	2.39
4/22/2015	2.0	24.84	116.67	181.00	3.67	2.00
4/23/2015	2.4	23.84	110.67	159.56	5.67	2.17
4/24/2015	2.0	22.47	108.67	152.90	3.44	2.13
4/25/2015	2.0	21.82	126.00	185.84	4.67	2.34
4/26/2015	2.0	21.80	134.00	149.40	5.33	2.10
4/27/2015	2.0	21.76	116.67	154.80	5.67	2.67
4/28/2015	3.7	21.89	141.33	179.85	6.33	2.00
4/29/2015	2.3	20.47	156.67	167.31	7.00	2.99
4/30/2015	2.8	20.90	168.00	188.14	8.33	2.74
5/1/2015	3.4	20.07	142.67	212.40	5.67	4.21
5/2/2015	2.0	19.27	140.67	200.18	5.33	2.29
5/3/2015	2.0	19.55	143.33	185.33	3.33	2.38
5/4/2015	2.0	19.56	133.33	179.27	5.33	2.44
5/5/2015	2.7	18.27	143.33	216.96	4.00	2.98
5/6/2015	2.0	18.14	172.00	264.63	3.67	2.39
5/7/2015	2.4	17.20	167.33	213.70	2.78	2.33
5/8/2015	2.4	16.99	161.33	199.86	3.00	2.07
5/9/2015	2.4	17.29	163.33	306.94	5.00	2.56
5/10/2015	2.0	17.24	151.33	204.30	2.00	2.00
5/11/2015	2.0	17.94	138.00	171.80	4.00	2.00
5/12/2015	2.0	20.54	190.67	220.73	4.33	2.00
5/13/2015	2.3	18.31	153.33	200.84	2.67	2.00
5/14/2015	2.8	17.77	144.67	185.20	3.44	2.13
5/15/2015	2.4	16.92	160.67	185.23	2.67	2.32
5/16/2015	2.4	17.02	162.67	194.53	2.67	2.17
5/17/2015	2.8	16.44	136.67	227.85	2.33	3.71
5/18/2015	2.0	18.43	140.00	183.24	3.33	2.53
5/19/2015	2.0	23.42	182.00	191.65	9.00	3.57
5/20/2015	2.0	17.89	141.33	188.32	5.33	2.50
5/21/2015	382.7	17.96	140.00	233.24	3.56	3.06

Bucklin Point 2015 Wastewater Treatment Plant
TSS, BOD and Fecal Coliform Data

Date	Fecal Coliform Bacteria (MPN/100 ml)	Influent Flow (MGD)	Raw Influent TSS (mg/L)	Raw Influent BOD (mg/L)	Final Effluent TSS (mg/L)	Final Effluent BOD (mg/L)
5/22/2015	62.8	16.51	151.33	207.48	2.78	2.30
5/23/2015	2.8	15.06	170.67	245.29	2.44	2.09
5/24/2015	2.4	15.28	121.33	187.48	2.33	2.00
5/25/2015	2.0	16.76	138.00	182.62	3.33	2.81
5/26/2015	2.0	16.64	148.67	186.13	2.00	2.00
5/27/2015	2.0	16.71	158.67	194.02	2.67	2.00
5/28/2015	2.0	16.41	174.00	204.40	3.33	2.00
5/29/2015	2.4	14.87	182.00	258.94	2.00	2.49
5/30/2015	2.0	15.08	170.67	232.06	2.33	2.35
5/31/2015	3.4	35.83	174.00	207.90	10.33	4.46
6/1/2015	2.8	20.44	140.67	158.91	5.33	3.42
6/2/2015	3.4	27.67	114.00	156.50	5.33	4.15
6/3/2015	2.3	17.74	134.67	181.04	6.00	2.54
6/4/2015	2.8	17.14	142.00	176.81	4.33	2.58
6/5/2015	2.4	16.41	160.67	263.40	3.11	2.58
6/6/2015	2.0	15.50	174.67	246.65	6.67	3.12
6/7/2015	2.4	15.39	156.00	217.05	3.67	3.23
6/8/2015	2.0	16.73	117.33	199.50	5.33	3.70
6/9/2015	2.0	16.16	156.00	214.20	3.83	3.32
6/10/2015	2.3	15.20	196.67	193.35	4.17	3.30
6/11/2015	2.0	15.19	165.33	211.76	5.33	3.47
6/12/2015	2.4	14.39	170.67	227.91	2.44	2.57
6/13/2015	4.3	14.22	153.33	236.20	2.33	2.52
6/14/2015	4.4	13.79	150.67	224.78	4.33	2.59
6/15/2015	3.3	33.56	192.67	281.09	12.67	5.35
6/16/2015	4.0	16.43	136.00	189.52	4.50	2.38
6/17/2015	2.0	15.06	154.67	202.58	2.17	2.43
6/18/2015	6.1	15.04	173.33	203.10	4.00	2.52
6/19/2015	3.9	14.53	171.33	248.70	2.11	2.35
6/20/2015	3.4	14.32	184.67	215.85	7.33	2.96
6/21/2015	19.2	45.54	166.00	145.30	11.00	3.04
6/22/2015	2.4	15.98	122.00	172.54	2.67	2.06
6/23/2015	2.0	16.96	150.00	170.32	3.50	2.00
6/24/2015	2.0	15.50	163.33	203.05	2.67	2.19
6/25/2015	4.5	15.16	160.67	192.50	3.50	2.00
6/26/2015	2.4	15.04	170.00	145.30	2.78	3.04
6/27/2015	72.0	17.21	214.67	172.54	15.33	2.06
6/28/2015	19.8	36.20	144.67	160.19	4.67	2.00
6/29/2015	11.0	16.52	106.00	161.01	3.17	2.00
6/30/2015	90.7	16.04	116.00	164.14	3.17	2.00
7/1/2015	27.4	25.59	146.00	166.56	5.33	2.00
7/2/2015	8.3	15.58	145.33	199.55	3.33	2.00
7/3/2015	17.3	14.76	150.00	187.28	3.67	2.00
7/4/2015	3.4	14.85	124.00	181.96	4.33	2.00
7/5/2015	31.9	14.26	148.00	188.79	7.33	2.00
7/6/2015	26.3	14.69	233.33	224.70	7.67	2.00
7/7/2015	2.8	15.62	173.33	196.91	4.00	2.00

Bucklin Point 2015 Wastewater Treatment Plant
TSS, BOD and Fecal Coliform Data

Date	Fecal Coliform Bacteria (MPN/100 ml)	Influent Flow (MGD)	Raw Influent TSS (mg/L)	Raw Influent BOD (mg/L)	Final Effluent TSS (mg/L)	Final Effluent BOD (mg/L)
7/8/2015	2.0	21.82	159.33	209.88	3.67	2.00
7/9/2015	3.4	14.83	152.67	160.21	4.33	2.00
7/10/2015	3.5	27.10	146.00	163.37	4.33	2.00
7/11/2015	3.8	14.39	144.00	162.91	3.67	2.00
7/12/2015	3.7	14.11	138.67	162.02	5.33	2.00
7/13/2015	2.0	14.81	161.33	179.39	3.67	2.00
7/14/2015	7.9	19.23	199.33	191.89	10.00	2.00
7/15/2015	77.1	19.03	180.67	154.54	3.00	2.00
7/16/2015	152.4	14.60	146.67	160.47	7.33	2.00
7/17/2015	30.3	14.76	165.33	199.84	2.00	2.00
7/18/2015	25.5	15.29	173.33	219.09	4.67	2.00
7/19/2015	29.7	14.60	167.33	198.21	5.67	2.00
7/20/2015	12.9	14.10	156.67	176.95	4.33	2.00
7/21/2015	2.4	14.45	172.67	163.28	4.00	2.00
7/22/2015	3.0	14.06	180.00	220.87	3.22	2.00
7/23/2015	5.3	14.07	184.00	189.73	5.67	2.00
7/24/2015	5.4	14.18	206.00	225.21	5.67	2.05
7/25/2015	5.7	13.81	188.00	233.97	4.67	2.20
7/26/2015	4.0	14.51	153.33	209.89	4.67	2.07
7/27/2015	3.3	16.96	183.33	249.38	4.67	2.52
7/28/2015	10.4	16.15	175.33	230.20	6.33	2.62
7/29/2015	17.8	13.80	166.67	206.91	5.50	2.47
7/30/2015	10.2	14.94	163.33	210.25	4.50	2.35
7/31/2015	4.8	13.80	180.00	219.89	5.00	3.39
8/1/2015	2.8	13.26	176.67	210.16	5.67	2.29
8/2/2015	6.2	12.81	154.67	181.23	5.67	2.00
8/3/2015	4.0	13.91	172.00	209.07	3.33	2.12
8/4/2015	20.4	21.67	172.67	196.50	5.50	6.07
8/5/2015	18.2	13.74	180.00	202.84	7.67	3.74
8/6/2015	6.6	13.55	166.00	202.78	4.17	2.39
8/7/2015	5.4	13.18	188.00	225.75	4.44	2.74
8/8/2015	27.9	13.00	199.33	241.09	7.33	2.80
8/9/2015	35.3	13.01	182.67	198.46	6.67	2.94
8/10/2015	14.1	13.04	164.67	210.88	5.67	3.07
8/11/2015	17.9	27.62	178.00	184.52	7.00	3.23
8/12/2015	30.0	13.62	154.00	183.63	4.83	2.37
8/13/2015	21.1	12.79	170.67	216.90	3.00	2.19
8/14/2015	29.9	13.01	206.00	240.24	3.33	2.00
8/15/2015	2.8	16.71	192.67	209.79	5.33	2.00
8/16/2015	3.9	14.44	187.33	178.04	2.67	2.00
8/17/2015	14.3	13.01	135.33	185.17	2.83	2.00
8/18/2015	6.1	13.75	161.33	190.46	3.17	2.00
8/19/2015	4.2	13.33	173.33	212.28	2.50	2.00
8/20/2015	8.0	12.80	174.00	211.17	3.00	2.00
8/21/2015	8.0	17.69	215.33	208.67	3.22	2.00
8/22/2015	4.0	13.06	170.67	216.89	5.00	2.00
8/23/2015	6.4	12.92	159.33	195.76	4.33	2.00

Bucklin Point 2015 Wastewater Treatment Plant
TSS, BOD and Fecal Coliform Data

Date	Fecal Coliform Bacteria (MPN/100 ml)	Influent Flow (MGD)	Raw Influent TSS (mg/L)	Raw Influent BOD (mg/L)	Final Effluent TSS (mg/L)	Final Effluent BOD (mg/L)
8/24/2015	2.8	12.92	188.00	222.65	4.00	2.12
8/25/2015	6.1	13.14	190.67	216.74	5.00	2.03
8/26/2015	4.0	12.59	208.67	210.58	5.00	2.39
8/27/2015	7.3	12.69	198.00	223.15	5.00	3.08
8/28/2015	9.2	12.48	236.00	256.54	9.67	3.16
8/29/2015	6.5	12.45	191.33	230.50	8.00	2.00
8/30/2015	6.7	12.35	193.33	225.03	6.67	2.00
8/31/2015	4.3	12.82	173.33	228.49	5.33	2.00
9/1/2015	18.7	12.87	197.33	228.27	7.33	2.00
9/2/2015	6.2	13.54	184.00	260.80	5.00	2.15
9/3/2015	10.2	12.29	205.78	219.69	5.83	2.55
9/4/2015	9.2	12.35	237.06	244.35	3.11	2.53
9/5/2015	4.8	12.07	202.09	229.11	4.67	2.00
9/6/2015	2.4	11.72	193.45	235.93	6.33	2.00
9/7/2015	5.5	12.17	180.51	204.13	5.33	2.00
9/8/2015	6.3	12.56	229.75	224.01	3.33	2.00
9/9/2015	15.6	13.60	248.65	233.02	4.67	2.06
9/10/2015	10.6	25.23	237.33	225.60	6.67	2.74
9/11/2015	15.8	20.97	146.67	140.31	2.78	2.02
9/12/2015	7.3	12.65	143.33	212.98	2.33	2.00
9/13/2015	6.6	14.36	186.00	210.19	2.33	2.00
9/14/2015	4.1	12.51	186.67	243.39	3.33	2.00
9/15/2015	9.7	12.22	182.67	228.04	3.33	2.00
9/16/2015	14.1	12.27	204.67	226.05	2.00	2.00
9/17/2015	10.4	12.23	228.00	229.09	3.00	2.00
9/18/2015	3.4	12.41	212.00	268.99	4.44	2.00
9/19/2015	2.8	12.60	188.00	249.26	5.33	2.00
9/20/2015	5.7	11.97	176.00	246.66	3.33	2.00
9/21/2015	5.8	12.40	195.33	240.86	5.33	2.00
9/22/2015	4.0	12.34	179.33	239.99	2.33	2.00
9/23/2015	8.2	11.96	231.33	259.23	3.33	2.00
9/24/2015	6.8	11.89	232.67	251.71	4.00	2.00
9/25/2015	21.4	12.08	209.33	245.63	6.00	2.32
9/26/2015	5.2	12.25	197.33	260.88	5.33	2.00
9/27/2015	4.8	11.66	189.33	219.29	4.00	2.00
9/28/2015	7.1	12.56	208.00	235.78	4.33	2.00
9/29/2015	8.5	13.20	186.00	232.79	2.83	2.00
9/30/2015	11.2	49.82	232.67	176.23	5.33	3.26
10/1/2015	5.2	15.41	138.67	149.60	2.67	2.00
10/2/2015	4.3	17.69	162.67	185.13	3.44	2.00
10/3/2015	3.9	15.93	125.33	153.63	4.00	2.00
10/4/2015	4.8	13.76	163.33	190.66	3.67	2.00
10/5/2015	9.9	14.44	155.33	195.26	5.33	2.00
10/6/2015	8.9	13.31	190.00	204.44	6.00	2.00
10/7/2015	9.0	13.46	210.67	194.06	6.00	2.00
10/8/2015	4.0	13.19	223.33	200.44	7.67	2.00
10/9/2015	4.0	15.55	195.33	202.76	5.11	2.00

Bucklin Point 2015 Wastewater Treatment Plant
TSS, BOD and Fecal Coliform Data

Date	Fecal Coliform Bacteria (MPN/100 ml)	Influent Flow (MGD)	Raw Influent TSS (mg/L)	Raw Influent BOD (mg/L)	Final Effluent TSS (mg/L)	Final Effluent BOD (mg/L)
10/10/2015	7.0	12.36	199.33	233.56	5.33	2.00
10/11/2015	3.6	12.90	169.33	191.01	2.22	2.00
10/12/2015	2.8	13.78	142.67	177.60	3.00	2.00
10/13/2015	2.0	20.28	161.33	197.26	4.00	2.00
10/14/2015	2.0	13.64	162.00	192.10	2.67	2.00
10/15/2015	4.1	12.86	187.33	204.70	2.67	2.00
10/16/2015	5.7	13.19	196.67	199.19	2.44	2.00
10/17/2015	3.4	12.48	210.67	239.14	6.67	2.00
10/18/2015	2.4	12.40	158.00	189.77	3.00	2.00
10/19/2015	2.4	12.61	155.33	203.50	3.67	2.00
10/20/2015	2.0	13.78	192.67	225.04	3.67	2.00
10/21/2015	2.0	13.46	189.33	239.04	4.00	2.00
10/22/2015	3.2	13.56	209.33	209.14	3.00	2.00
10/23/2015	2.8	12.61	172.67	189.93	3.33	2.74
10/24/2015	2.0	12.94	196.00	222.54	6.33	2.25
10/25/2015	2.0	13.31	176.67	217.14	3.33	2.00
10/26/2015	2.0	12.09	186.67	226.74	5.00	2.00
10/27/2015	2.4	14.02	220.00	211.96	5.33	2.00
10/28/2015	3.5	31.08	206.00	202.01	17.67	3.74
10/29/2015	17.5	37.90	175.33	115.10	12.00	5.02
10/30/2015	12.8	13.97	143.33	170.21	5.89	2.08
10/31/2015	2.4	13.16	158.00	193.43	4.67	2.00
11/1/2015	5.5	14.38	170.67	208.41	7.33	2.00
11/2/2015	3.9	14.30	160.67	181.89	7.67	2.00
11/3/2015	3.6	13.59	145.33	215.14	4.89	2.00
11/4/2015	2.6	13.66	164.00	217.49	5.50	2.00
11/5/2015	3.4	14.90	191.33	218.06	5.11	2.00
11/6/2015	2.4	14.26	218.00	209.14	7.00	2.33
11/7/2015	2.0	13.54	172.67	209.89	7.33	2.00
11/8/2015	5.7	12.91	195.33	215.80	4.33	2.00
11/9/2015	3.4	13.17	185.33	212.03	7.67	2.00
11/10/2015	2.0	17.34	232.00	184.65	9.33	2.72
11/11/2015	3.4	15.07	203.33	197.81	6.00	2.00
11/12/2015	3.8	14.53	190.00	215.03	7.67	2.00
11/13/2015	3.4	13.44	205.33	250.64	3.89	2.29
11/14/2015	2.8	13.09	256.67	314.43	6.67	2.00
11/15/2015	2.0	12.88	187.33	286.14	5.33	2.01
11/16/2015	2.4	13.07	189.33	253.65	5.33	2.43
11/17/2015	4.3	12.91	219.33	244.43	5.33	2.16
11/18/2015	4.0	13.03	210.67	276.80	2.67	2.00
11/19/2015	2.4	13.84	232.67	282.03	5.22	2.11
11/20/2015	21.3	37.46	208.00	193.62	4.89	2.48
11/21/2015	2.0	13.88	166.00	191.73	5.33	2.56
11/22/2015	2.8	18.59	147.33	211.03	4.33	2.46
11/23/2015	4.8	15.36	136.00	164.19	4.33	2.32
11/24/2015	3.3	13.55	191.33	231.35	4.33	2.39
11/25/2015	2.0	13.70	174.67	230.17	4.67	2.21

Bucklin Point 2015 Wastewater Treatment Plant
TSS, BOD and Fecal Coliform Data

Date	Fecal Coliform Bacteria (MPN/100 ml)	Influent Flow (MGD)	Raw Influent TSS (mg/L)	Raw Influent BOD (mg/L)	Final Effluent TSS (mg/L)	Final Effluent BOD (mg/L)
11/26/2015	2.0	14.00	200.67	242.39	4.67	2.12
11/27/2015	2.0	13.21	176.67	258.19	2.00	2.47
11/28/2015	2.0	15.67	204.00	233.35	5.67	2.51
11/29/2015	2.0	12.96	156.67	211.85	4.67	2.11
11/30/2015	2.8	13.40	138.67	220.86	5.00	2.27
12/1/2015	3.4	18.71	194.00	236.81	4.00	3.30
12/2/2015	5.9	15.80	200.00	203.00	5.33	2.66
12/3/2015	6.3	13.44	176.67	199.07	8.00	2.26
12/4/2015	2.0	12.93	188.00	221.64	5.67	2.31
12/5/2015	2.0	13.02	168.00	233.74	4.00	2.01
12/6/2015	2.4	13.39	192.67	239.39	4.67	2.09
12/7/2015	2.4	13.40	176.00	217.56	4.67	2.12
12/8/2015	2.0	13.71	195.33	225.90	3.89	2.18
12/9/2015	2.3	13.67	224.00	226.93	3.33	2.00
12/10/2015	2.0	13.47	204.00	240.99	3.22	2.00
12/11/2015	3.1	13.62	214.00	262.07	3.33	2.00
12/12/2015	4.8	13.27	214.67	268.24	3.67	2.28
12/13/2015	3.4	13.44	220.67	299.63	5.33	2.48
12/14/2015	2.8	20.58	204.67	253.49	5.67	3.65
12/15/2015	6.0	19.44	202.00	220.64	6.33	2.54
12/16/2015	2.3	13.08	168.00	201.92	4.33	2.00
12/17/2015	4.0	26.22	178.67	216.25	7.00	7.60
12/18/2015	3.4	15.76	135.33	163.21	5.33	4.18
12/19/2015	2.0	13.28	144.67	225.94	8.67	3.26
12/20/2015	2.8	13.21	172.00	229.09	6.33	2.13
12/21/2015	3.3	13.99	181.33	265.26	7.67	2.23
12/22/2015	5.7	16.95	221.33	263.63	6.33	3.13
12/23/2015	2.0	28.71	192.67	223.55	10.33	4.08
12/24/2015	3.9	27.84	151.33	152.50	5.00	3.14
12/25/2015	4.6	14.42	157.33	206.24	2.67	2.36
12/26/2015	2.8	14.54	206.00	221.41	6.00	2.64
12/27/2015	4.0	17.44	166.67	223.00	6.00	2.35
12/28/2015	3.9	14.49	173.33	225.26	5.00	2.64
12/29/2015	4.8	28.40	206.67	189.24	15.22	7.57
12/30/2015	7.7	16.60	120.67	163.13	9.33	6.06
12/31/2015	3.3	21.46	130.00	155.39	5.33	3.40

Field's Point Enterococci Data 2015
all results are in MPN/100 mL

Date	Day of the Week	Grab 1	Grab 2	Grab 2 Duplicate
1/1/2015	Thursday	4	6	
1/6/2015	Tuesday	11	10	12
1/7/2015	Wednesday	8	4	
1/8/2015	Thursday	18	9	
1/13/2015	Tuesday	5	4	6
1/14/2015	Wednesday	11	4	
1/15/2015	Thursday	6	11	
1/21/2015	Wednesday	6	6	
1/22/2015	Thursday	11	12	
1/27/2015	Tuesday	5	9	9
1/28/2015	Wednesday	11	5	
1/29/2015	Thursday	22	8	
2/1/2015	Sunday	6	4	
2/4/2015	Wednesday	2	8	
2/5/2015	Thursday	1	3	
2/10/2015	Tuesday	35	3	1
2/11/2015	Wednesday	5	8	
2/12/2015	Thursday	10	5	
2/17/2015	Tuesday	13	19	12
2/18/2015	Wednesday	2	4	
2/19/2015	Thursday	6	8	
2/24/2015	Tuesday	19	34	21
2/25/2015	Wednesday	11	12	
2/26/2015	Thursday	10	4	
3/1/2015	Sunday	2	2	
3/4/2015	Wednesday	38	20	
3/5/2015	Thursday	17	1	
3/10/2015	Tuesday	18	8	13
3/11/2015	Wednesday	13	17	
3/12/2015	Thursday	6	4	
3/17/2015	Tuesday	31	20	28
3/18/2015	Wednesday	57	23	
3/19/2015	Thursday	18	16	
3/25/2015	Wednesday	9	2	
3/26/2015	Thursday	6	3	
3/31/2015	Tuesday	18	7	6
4/1/2015	Wednesday	16	5	
4/2/2015	Thursday	23	8	
4/8/2015	Wednesday	42	6	
4/9/2015	Thursday	4	4	
4/14/2015	Tuesday	6	4	4
4/15/2015	Wednesday	5	2	
4/16/2015	Thursday	13	10	
4/22/2015	Wednesday	20	4	
4/23/2015	Thursday	20	20	
4/28/2015	Tuesday	1	4	3

Table 3: Field's Point Enterococci Data 2015

Field's Point Enterococci Data 2015
all results are in MPN/100 mL

Date	Day of the Week	Grab 1	Grab 2	Grab 2 Duplicate
4/29/2015	Wednesday	5	1	
4/30/2015	Thursday	3	<1	
5/6/2015	Wednesday	21	2	
5/7/2015	Thursday	1	<1	
5/12/2015	Tuesday	2	1	1
5/13/2015	Wednesday	1	2	
5/14/2015	Thursday	<1	<1	
5/20/2015	Wednesday	<1	1	
5/21/2015	Thursday	<1	<1	
5/24/2015	Sunday	1	1	
5/27/2015	Wednesday	<1	<1	
5/28/2015	Thursday	4	2	
6/3/2015	Wednesday	2	<1	
6/4/2015	Thursday	2	<1	
6/9/2015	Tuesday	3	<1	<1
6/10/2015	Wednesday	<1	2	
6/11/2015	Thursday	<1	1	
6/17/2015	Wednesday	10	1	
6/18/2015	Thursday	1	1	
6/22/2015	Monday	6	<1	
6/23/2015	Tuesday	6	1	<1
6/24/2015	Wednesday	<1	<1	
6/25/2015	Thursday	14	9	
6/30/2015	Tuesday	<1	4	3
7/1/2015	Wednesday	<1	1	
7/2/2015	Thursday	<1	<1	
7/7/2015	Tuesday	<1	2	<1
7/8/2015	Wednesday	4	4	
7/9/2015	Thursday	<1	2	
7/15/2015	Wednesday	<1	1	
7/16/2015	Thursday	<1	<1	
7/21/2015	Tuesday	1	<1	<1
7/22/2015	Wednesday	<1	<1	
7/23/2015	Thursday	9	3	
7/29/2015	Wednesday	<1.0	<1.0	
7/30/2015	Thursday	<1	4	
8/4/2015	Tuesday	2	3	1
8/5/2015	Wednesday	2	3	
8/6/2015	Thursday	13	<1.0	
8/9/2015	Sunday	1	1	
8/13/2015	Thursday	2	1	
8/18/2015	Tuesday	<1	<1	<1
8/19/2015	Wednesday	<1	1	
8/20/2015	Thursday	10	<1	
8/26/2015	Wednesday	6	<1	
8/27/2015	Thursday	<1	<1	

Table 3: Field's Point Enterococci Data 2015

Field's Point Enterococci Data 2015
all results are in MPN/100 mL

Date	Day of the Week	Grab 1	Grab 2	Grab 2 Duplicate	
9/1/2015	Tuesday	3	1	1	
9/2/2015	Wednesday	1	<1		
9/3/2015	Thursday	2	4		
9/6/2015	Sunday	1	3		
9/10/2015	Thursday	3	1		
9/15/2015	Tuesday	15	17	16	
9/16/2015	Wednesday	1	<1		
9/17/2015	Thursday	<1	2		
9/23/2015	Wednesday	1	1		
9/24/2015	Thursday	2	1		
9/29/2015	Tuesday	16	35	37	
9/30/2015	Wednesday	<1	1		
10/1/2015	Thursday	6	<1		
10/7/2015	Wednesday	9	<1		
10/8/2015	Thursday	1	3		
10/11/2015	Sunday	1	1		
10/14/2015	Wednesday	5	1		
10/15/2015	Thursday	2	<1		
10/21/2015	Wednesday	<1	1		
10/22/2015	Thursday	<1	<1		
10/27/2015	Tuesday	10	2	1	
10/28/2015	Wednesday	22	10		
10/29/2015	Thursday	13	1		
11/4/2015	Wednesday	16	4		
11/5/2015	Thursday	5	4		
11/10/2015	Tuesday	5	6	6	
11/11/2015	Wednesday	6	8		
11/12/2015	Thursday	10	3		
11/18/2015	Wednesday	9	4		
11/19/2015	Thursday	61	<1		
11/24/2015	Tuesday	4	1	<1	
11/25/2015	Wednesday	5	4		
11/26/2015	Thursday	2	<1		
12/2/2015	Wednesday	4	2		
12/3/2015	Thursday	9	6		
12/8/2015	3	7	6		3
12/9/2015	4	7	1		
12/10/2015	5	2	5		
12/16/2015	4	10	6		
12/17/2015	5	10	5		
12/22/2015	3	4	3		1
12/23/2015	4	328	4		
12/24/2015	5	1	1		
12/30/2015	4	22	7		
12/31/2015	5	2	3		

Table 3: Field's Point Enterococci Data 2015

Bucklin Point Enterococci Data 2015
all results are in MPN/100 mL

Date	Day of the Week	Grab 1	Grab 2	Grab 3	Grab 4	Grab 4 Duplicate
1/2/2015	Friday	11.9	1.0	1.0	1.0	
1/7/2015	Wednesday	5.2	9.7	5.2	4.1	5.2
1/8/2015	Thursday	9.6	4.1	7.5	8.4	
1/9/2015	Friday	3.1	2.0	2.0	7.4	
1/14/2015	Wednesday	6.3	3.1	2.0	7.2	5.2
1/15/2015	Thursday	6.3	<1	1.0	6.3	
1/16/2015	Friday	3.0	2.0	2.0	6.3	
1/22/2015	Thursday	3.1	1.0	1.0	10.9	
1/23/2015	Friday	<1	2.0	2.0	11.9	
1/28/2015	Wednesday	1.0	5.1	7.5	4.1	1.0
1/29/2015	Thursday	5.1	4.1	4.1	8.4	
1/30/2015	Friday	8.5	4.1	2.0	1.0	
2/2/2015	Monday	3.1	1.0	4.1	1.0	
2/5/2015	Thursday	1.0	5.2	6.3	4.1	
2/6/2015	Friday	4.1	1.0	3.1	13.5	
2/11/2015	Wednesday	7.5	3.1	2.0	<1	3.0
2/12/2015	Thursday	5.2	3.1	2.0	5.2	
2/13/2015	Friday	6.3	3.0	3.1	<1	
2/18/2015	Wednesday	2.0	3.1	2.0	18.7	<1
2/19/2015	Thursday	5.2	3.0	2.0	2.0	
2/20/2015	Friday	2.0	2.0	7.4	7.5	
2/25/2015	Wednesday	7.5	5.2	3.1	4.1	5.2
2/26/2015	Thursday	8.5	5.2	4.1	10.9	
2/27/2015	Friday	30.5	4.1	6.3	1.0	
3/2/2015	Monday	2.0	2.0	1.0	5.2	
3/5/2015	Thursday	5.2	9.7	12.1	5.2	
3/6/2015	Friday	1.0	2.0	2.0	3.1	
3/11/2015	Wednesday	5.2	3.1	1.0	3.1	2.0
3/12/2015	Thursday	4.1	2.0	2.0	2.0	
3/13/2015	Friday	3.1	3.1	1.0	3.1	
3/18/2015	Wednesday	3.1	1.0	4.1	4.1	<1
3/19/2015	Thursday	2.0	1.0	2.0	2.0	
3/20/2015	Friday	9.6	5.2	3.0	7.5	
3/26/2015	Thursday	2.0	2.0	<1	5.2	
3/27/2015	Friday	5.2	2.0	6.3	5.2	
4/1/2015	Wednesday	3.0	2.0	<1	1.0	2.0
4/2/2015	Thursday	3.1	2.0	3.1	7.5	
4/3/2015	Friday	6.3	3.1	2.0	3.1	
4/9/2015	Thursday	3.1	6.3	5.2	<1	
4/10/2015	Friday	2.0	1.0	2.0	2.0	
4/15/2015	Wednesday	1.0	4.1	3.1	3.1	1.0
4/16/2015	Thursday	3.1	3.1	2.0	5.2	
4/17/2015	Friday	2.0	<1	2.0	1.0	
4/23/2015	Thursday	<1	1.0	2.0	1.0	
4/24/2015	Friday	4.1	<1	3.0	<1	
4/29/2015	Wednesday	4.1	1.0	1.0	3.0	5.2

Table 4: Bucklin Point Enterococci Data 2015

Bucklin Point Enterococci Data 2015
all results are in MPN/100 mL

Date	Day of the Week	Grab 1	Grab 2	Grab 3	Grab 4	Grab 4 Duplicate
4/30/2015	Thursday	1.0	<1	2.0	2.0	
5/1/2015	Friday	4.1	<1	1.0	6.3	
5/7/2015	Thursday	4.1	4.1	1.0	2.0	
5/8/2015	Friday	6.3	2.0	1.0	3.1	
5/13/2015	Wednesday	2.0	2.0	2.0	2.0	<1
5/14/2015	Thursday	12.1	1.0	4.1	2.0	
5/15/2015	Friday	4.1	4.1	<1	1.0	
5/21/2015	Thursday	133.4	143.0	96.0	42.0	
5/22/2015	Friday	21.3	16.0	12.1	9.6	
5/25/2015	Monday	2.0	2.0	2.0	2.0	
5/28/2015	Thursday	1.0	1.0	2.0	3.0	
5/29/2015	Friday	1.0	2.0	3.1	1.0	
6/4/2015	Thursday	1.0	4.1	3.1	1.0	
6/5/2015	Friday	1.0	3.0	2.0	2.0	
6/10/2015	Wednesday	1.0	3.1	1.0	5.2	3.1
6/11/2015	Thursday	2.0	2.0	3.1	6.3	
6/12/2015	Friday	9.8	14.5	2.0	13.5	
6/18/2015	Thursday	5.1	3.1	2.0	3.1	
6/19/2015	Friday	2.0	2.0	17.3	<1	
6/23/2015	Tuesday	3.1	2.0	9.3	2.0	
6/24/2015	Wednesday	<1	4.1	4.1	<1	<1
6/25/2015	Thursday	1.0	3.1	19.9	2.0	
6/26/2015	Friday	3.1	5.2	6.3	2.0	
7/1/2015	Wednesday	13.5	12.1	6.3	7.5	5.2
7/2/2015	Thursday	1.0	4.1	<1	1.0	
7/3/2015	Friday	13.5	4.1	3.1	5.2	
7/8/2015	Wednesday	3.1	3.0	1.0	<1	<1
7/9/2015	Thursday	4.1	2.0	2.0	2.0	
7/10/2015	Friday	2.0	6.3	1.0	1.0	
7/16/2015	Thursday	13.5	12.0	11.0	8.6	
7/17/2015	Friday	7.5	7.4	3.1	4.1	
7/22/2015	Wednesday	1.0	1.0	1.0	1.0	2.0
7/23/2015	Thursday	3.1	<1	2.0	<1	
7/24/2015	Friday	1.0	2.0	2.0	<1	
7/30/2015	Thursday	<1.0	<1.0	<1.0	<1.0	
7/31/2015	Friday	1.0	3.1	1.0	5.2	
8/4/2015	Tuesday	13.5				
8/5/2015	Wednesday	5.2	3.1	2.0	6.3	3.1
8/6/2015	Thursday	4.1		3.1	1.0	
8/7/2015	Friday	4.1	1.0	3.0	1.0	
8/10/2015	Monday	1.0	6.2	2.0	4.1	
8/14/2015	Friday	3.1	2.0	2.0	5.2	
8/19/2015	Wednesday	1.0	1.0	1.0	2.0	2.0
8/20/2015	Thursday	<1	4.1	2.0	3.0	
8/21/2015	Friday	2.0	2.0	2.0	<1	
8/27/2015	Thursday	2.0	1.0	<1	2.0	

Table 4: Bucklin Point Enterococci Data 2015

Bucklin Point Enterococci Data 2015
all results are in MPN/100 mL

Date	Day of the Week	Grab 1	Grab 2	Grab 3	Grab 4	Grab 4 Duplicate
8/28/2015	Friday	<1	1.0	3.1	2.0	
9/2/2015	Wednesday	3.1	<1	<1	1.0	1.0
9/3/2015	Thursday	1.0	2.0	<1	1.0	
9/4/2015	Friday	1.0	1.0	2.0	<1	
9/7/2015	Monday	<1	3.0	<1	3.1	
9/11/2015	Friday	4.1	1.0	<1	2.0	
9/16/2015	Wednesday	<1	<1	3.0	2.0	1.0
9/17/2015	Thursday	1.0	2.0	2.0	<1	
9/18/2015	Friday	<1	3.1	1.0	2.0	
9/24/2015	Thursday	2.0	3.1	<1	6.3	
9/25/2015	Friday	1.0	1.0	6.3	1.0	
9/30/2015	Wednesday	1.0	5.2	3.0	10.8	12.1
10/1/2015	Thursday	<1	1.0	2.0	<1	
10/2/2015	Friday	<1	2.0	1.0	1.0	
10/8/2015	Thursday	1.0	1.0	3.0	1.0	
10/9/2015	Friday	4.1	1.0	1.0	1.0	
10/12/2015	Monday	<1	2.0	1.0	3.0	
10/15/2015	Thursday	<1	1.0	1.0	1.0	
10/16/2015	Friday	2.0	1.0	<1	3.1	
10/22/2015	Thursday	1.0	<1	<1	2.0	
10/23/2015	Friday	<1	2.0	1.0	<1	
10/28/2015	Wednesday	<1	<1	1.0	2.0	1.0
10/29/2015	Thursday	5.2	4.1	8.5	9.8	
10/30/2015	Friday	2.0	1.0	1.0	1.0	
11/5/2015	Thursday	1.0	<1	<1	3.1	
11/6/2015	Friday	<1	2.0	2.0	<1	
11/11/2015	Wednesday	2.0	1.0	1.0	2.0	4.1
11/12/2015	Thursday	<1	1.0	<1	<1	
11/13/2015	Friday	1.0	2.0	1.0	2.0	
11/19/2015	Thursday	1.0	1.0	2.0	2.0	
11/20/2015	Friday	15.8	14.4	9.8	5.2	
11/25/2015	Wednesday	1.0	2.0	<1	4.1	5.2
11/26/2015	Thursday	<1	1.0	<1	<1	
11/27/2015	Friday	3.1	<1	<1	1.0	
12/3/2015	Thursday	<1	1.0	5.2	2.0	
12/4/2015	Friday	1.0	3.1	2.0	1.0	
12/9/2015	Wednesday	2.0	2.0	<1	3.0	2.0
12/10/2015	Thursday	<1	<1	1.0	7.3	
12/11/2015	Friday	1.0	1.0	4.1	2.0	
12/17/2015	Thursday	4.1	1.0	4.1	4.1	
12/18/2015	Friday	7.4	2.0	5.2	7.4	
12/23/2015	Wednesday	3.1	6.3	6.3	3.1	2.0
12/24/2015	Thursday	3.1	4.1	<1	3.1	
12/25/2015	Friday	1.0	1.0	<1	2.0	
12/31/2015	Thursday	4.1	12.2	4.1	4.1	

Table 4: Bucklin Point Enterococci Data 2015

Field's Point Influent Metals 2015
all analyses in ppb

Date	Day of the Week	Influent Flow	Cd (ppb)	Cr (ppb)	Cu (ppb)	Pb (ppb)	Hg (ppb)	Ni (ppb)	Ag (ppb)	Zn (ppb)	CN (ppb)
1/6/2015	Tuesday	38.57	<2.5	<10.000	36.22	<10.000	0.0321	19.88	<4.0	71.1	5.09
1/7/2015	Wednesday	39.99	<2.5	<10.000	30.66	<10.000	0.0237	19.07	<4.0	87.44	
1/8/2015	Thursday	40.22									8.26
1/13/2015	Tuesday	39.34	<2.5	10.00	38.88	<10.000	0.0216	23.02	<4.0	105.50	8.40
1/14/2015	Wednesday	36.31	<2.5	<10.000	28.45	<10.000	0.0218	16.55	<4.0	83.21	4.48
1/20/2015	Tuesday	34.78	<2.5	<10.000	58.45	<10.000	0.0313	25.49	<4.0	130.50	9.78
1/21/2015	Wednesday	36.16	<2.5	<10.000	40.51	<10.000	0.0407	20.34	<4.0	102.90	6.80
1/27/2015	Tuesday	33.09	<2.5	<10.000	21.18	<10.000	0.0256	<10.000	<4.0	59.62	5.36
1/28/2015	Wednesday	35.50	<2.5	<10.000	37.59	<10.000	0.0161	29.61	<4.0	89.81	6.56
2/3/2015	Tuesday	33.86	<2.5	13.58	41.93	<10.000	0.0121	21.15	<4.0	119.80	6.90
2/4/2015	Wednesday	33.98	<2.5	<10.000	34.23	<10.000	0.0305	15.32	<4.0	94.35	9.29
2/10/2015	Tuesday	36.50	<2.5	<10.000	46.93	<10.000	0.0391	22.69	<4.0	110.20	6.60
2/11/2015	Wednesday	32.88	<2.5	<10.000	40.83	<10.000	0.0555	22.86	<4.0	101.30	6.45
2/17/2015	Tuesday	32.52	<2.5	<10.000	49.28	<10.000	0.1720	53.14	<4.0	110.70	7.90
2/18/2015	Wednesday	32.12	<2.5	<10.000	54.93	<10.000	0.0386	30.54	<4.0	113.80	7.79
2/24/2015	Tuesday	32.48	<2.5	<10.000	42.71	<10.000	0.0289	37.02	<4.0	109.50	9.62
2/25/2015	Wednesday	34.20	<2.5	11.46	65.42	<10.000	0.0348	48.23	4.43	139.50	8.32
3/3/2015	Tuesday	34.37	<2.5	10.65	54.16	<10.000	0.0352	32.71	<4.0	128.20	16.30
3/4/2015	Wednesday	50.28	<2.5	11.97	56.34	15.23	0.0431	28.55	<4.0	158.40	21.70
3/10/2015	Tuesday	51.37	<2.5	15.64	58.00	15.60	0.0987	33.88	<4.0	182.90	19.90
3/11/2015	Wednesday	62.11	<2.5	<10.000	46.18	15.34	0.0457	22.65	<4.0	129.50	16.10
3/17/2015	Tuesday	71.60	<2.5	11.09	57.65	<10.000	0.0235	27.16	<4.0	92.95	34.80
3/18/2015	Wednesday	66.36	<2.5	<10.000	60.03	<10.000	0.0194	19.11	<4.0	75.50	7.83
3/24/2015	Tuesday	46.67	<2.5	<10.000	42.09	93.38	0.0430	29.66	<4.0	95.20	13.40
3/25/2015	Wednesday	46.97	<2.5	<10.000	33.94	<10.000	0.0280	21.19	<4.0	80.95	16.80
3/31/2015	Tuesday	53.53	<2.5	15.32	33.48	<10.000	0.0174	22.78	<4.0	111.90	11.40
4/1/2015	Wednesday	48.49	<2.5	18.14	28.28	<10.000	0.0126	19.39	<4.0	108.50	8.58
4/7/2015	Tuesday	57.21	<2.5	<10.000	36.64	10.29	0.0251	23.49	<4.0	109.90	8.81
4/8/2015	Wednesday	52.57	<2.5	<10.000	34.43	<10.000	0.0241	18.88	<4.0	113.00	7.46
4/14/2015	Tuesday	42.25	<2.5	<10.000	43.61	<10.000	0.0526	18.90	<4.0	88.86	27.50
4/15/2015	Wednesday	42.77	<2.5	<10.000	35.73	<10.000	0.0401	14.87	<4.0	70.89	5.08
4/21/2015	Tuesday	66.64	<2.5	<10.000	42.85	<10.000	0.0465	18.46	<4.0	73.80	23.10
4/22/2015	Wednesday	68.09	<2.5	11.38	31.91	<10.000	0.0193	19.19	<4.0	92.44	19.50
4/28/2015	Tuesday	40.91	<2.5	<10.000	40.61	<10.000	0.0308	19.72	<4.0	75.77	16.80

Field's Point Influent Metals 2015
all analyses in ppb

Date	Day of the Week	Influent Flow	Cd (ppb)	Cr (ppb)	Cu (ppb)	Pb (ppb)	Hg (ppb)	Ni (ppb)	Ag (ppb)	Zn (ppb)	CN (ppb)
4/29/2015	Wednesday	43.98	<2.5	<10.000	29.17	<10.000	0.0152	18.58	<4.0	79.81	7.46
5/5/2015	Tuesday	39.23	8.46	<10.000	46.18	<10.000	0.0268	32.71	<4.0	93.60	34.60
5/6/2015	Wednesday	38.88	<2.5	<10.000	39.40	<10.000	0.0277	24.38	<4.0	88.79	11.50
5/12/2015	Tuesday	38.46	<2.5	<10.000	59.93	15.17	0.0333	18.46	<4.0	127.20	8.58
5/13/2015	Wednesday	36.28	<2.5	<10.000	43.28	<10.000	0.0144	15.03	<4.0	92.60	5.43
5/19/2015	Tuesday	43.53	<2.5	11.14	70.97	18.15	0.1280	20.76	<4.0	161.50	12.80
5/20/2015	Wednesday	33.51	<2.5	<10.000	43.60	<10.000	0.0214	16.53	<4.0	101.80	9.02
5/26/2015	Tuesday	32.47	<2.5	<10.000	44.11	<10.000	0.0490	52.91	<4.0	103.60	11.90
5/27/2015	Wednesday	33.04	<2.5	<10.000	38.27	<10.000	0.0361	32.61	<4.0	112.20	7.28
6/2/2015	Tuesday	54.91	<2.5	<10.000	42.98	<10.000	0.0318	21.19	<4.0	75.49	9.22
6/3/2015	Wednesday	39.70	<2.5	<10.000	41.79	<10.000	0.0247	19.93	<4.0	109.60	8.28
6/9/2015	Tuesday	34.78	<2.5	23.43	42.85	<10.000	0.0580	16.10	<4.0	114.60	9.94
6/10/2015	Wednesday	31.10	<2.5	10.00	37.48	<10.000	0.0345	22.40	<4.0	107.60	6.75
6/16/2015	Tuesday	55.77	<2.5	<10.000	32.16	<10.000	0.0296	20.74	<4.0	96.04	6.90
6/17/2015	Wednesday	33.04	<2.5	<10.000	38.93	<10.000	0.0315	37.67	<4.0	123.90	9.47
6/23/2015	Tuesday	60.49	<2.5	<10.000	30.99	<10.000	0.0390	19.19	<4.0	86.13	5.98
6/24/2015	Wednesday	39.99	<2.5	<10.000	30.38	<10.000	0.0126	21.72	<4.0	92.89	6.48
6/30/2015	Tuesday	41.89	<2.5	<10.000	36.26	<10.000	0.0237	13.57	<4.0	113.80	5.26
7/1/2015	Wednesday	51.86	<2.5	<10.000	52.95	18.15	0.0487	13.02	<4.0	145.00	8.07
7/7/2015	Tuesday	36.29	<2.5	15.52	57.96	<10.000	0.0810	15.19	<4.0	163.20	10.50
7/8/2015	Wednesday	48.93	<2.5	<10.000	56.38	27.35	0.0991	11.75	<4.0	151.10	8.45
7/14/2015	Tuesday	45.71	<2.5	10.78	51.08	20.11	0.0536	15.84	<4.0	157.40	6.06
7/15/2015	Wednesday	44.59	<2.5	11.78	43.30	16.45	0.0314	17.84	<4.0	129.00	10.10
7/21/2015	Tuesday	33.90	<2.5	<10.000	39.31	<10.000	0.0533	19.34	<4.0	136.00	10.70
7/22/2015	Wednesday	32.73	<2.5	<10.000	41.86	<10.000	0.0388	19.76	<4.0	161.70	10.10
7/28/2015	Tuesday	33.37	<2.5	<10.000	43.83	11.52	0.0629	15.21	<4.0	140.20	5.43
7/29/2015	Wednesday	31.76	<2.5	10.14	41.72	<10.000	0.0337	17.84	<4.0	123.40	5.41
8/4/2015	Tuesday	57.77	<2.5	<10.000	48.01	28.13	0.0494	17.77	<4.0	149.70	5.53
8/5/2015	Wednesday	32.48	<2.5	<10.000	42.70	<10.000	0.0220	17.34	<4.0	106.40	6.15
8/11/2015	Tuesday	53.14	<2.5	<10.000	56.80	23.83	0.0654	21.64	<4.0	160.10	5.65
8/12/2015	Wednesday	53.10	<2.5	<10.000	34.61	<10.000	0.0328	15.30	<4.0	85.12	4.75
8/18/2015	Tuesday	31.33	<2.5	32.58	45.41	<10.000	0.0256	33.35	<4.0	206.40	5.61
8/19/2015	Wednesday	30.01	<2.5	<10.000	46.70	<10.000	0.0410	24.04	<4.0	162.80	5.02
8/25/2015	Tuesday	29.73	<2.5	10.76	76.95	12.90	0.0812	41.70	<4.0	215.30	9.59

Field's Point Influent Metals 2015
all analyses in ppb

Date	Day of the Week	Influent Flow	Cd (ppb)	Cr (ppb)	Cu (ppb)	Pb (ppb)	Hg (ppb)	Ni (ppb)	Ag (ppb)	Zn (ppb)	CN (ppb)
8/26/2015	Wednesday	28.28	<2.5	10.42	46.64	<10.000	0.0311	24.45	<4.0	147.90	7.02
9/1/2015	Tuesday	30.44	<2.5	<10.000	51.59	<10.000	0.0400	33.13	<4.0	175.80	14.00
9/2/2015	Wednesday	28.95	<2.5	<10.000	56.65	<10.000	0.0486	27.43	<4.0	158.90	6.18
9/8/2015	Tuesday	30.73	<2.5	10.79	74.30	10.52	0.0563	43.72	<4.0	163.80	7.51
9/9/2015	Wednesday	29.21	<2.5	<10.000	43.15	<10.000	0.0426	19.80	<4.0	117.70	6.41
9/15/2015	Tuesday	28.88	<2.5	<10.000	45.26	<10.000	0.0460	23.32	<4.0	118.40	5.21
9/16/2015	Wednesday	28.32	<2.5	<10.000	41.28	<10.000	0.0281	24.56	<4.0	128.80	4.35
9/22/2015	Tuesday	27.48	<2.5	<10.000	56.70	<10.000	0.0427	21.78	<4.0	131.90	11.80
9/23/2015	Wednesday	28.33	<2.5	<10.000	46.81	<10.000	0.0540	21.80	<4.0	119.40	6.50
9/29/2015	Tuesday	40.33	<2.5	14.36	90.21	23.69	0.2560	35.47	<4.0	297.70	9.17
9/30/2015	Wednesday	82.88	<2.5	<10.000	54.46	36.11	0.0999	20.66	<4.0	153.20	
10/2/2015	Friday	61.49									<4.00
10/6/2015	Tuesday	28.58	<2.5	10.04	54.10	<10.000	0.1520	20.51	<4.0	122.70	5.24
10/7/2015	Wednesday	30.38	<2.5	<10.000	51.38	<10.000	0.0241	20.63	<4.0	144.00	8.19
10/13/2015	Tuesday	39.18	<2.5	<10.000	46.96	11.86	0.0376	21.27	<4.0	133.60	4.67
10/14/2015	Wednesday	29.90	<2.5	<10.000	41.64	<10.000	0.0559	26.97	<4.0	423.20	5.39
10/20/2015	Tuesday	27.58	10.98	25.02	62.92	<10.000	0.0162	26.23	<4.0	242.20	8.03
10/21/2015	Wednesday	27.97	<2.5	<10.000	56.48	<10.000	0.0353	25.37	<4.0	134.90	5.86
10/27/2015	Tuesday	28.18	<2.5	10.06	56.52	<10.000	0.0582	24.42	<4.0	152.10	6.27
10/28/2015	Wednesday	57.19	<2.5	<10.000	77.20	27.81	0.0652	14.98	<4.0	201.80	5.25
11/3/2015	Tuesday	29.27	<2.5	10.57	53.50	<10.000	0.0263	22.24	<4.0	150.50	6.64
11/4/2015	Wednesday	30.77	<2.5	<10.000	63.54	<10.000	0.0273	18.31	<4.0	147.80	5.97
11/10/2015	Tuesday	42.86	<2.5	<10.000	68.22	18.52	0.0798	18.89	<4.0	159.10	4.46
11/11/2015	Wednesday	33.26	<2.5	<10.000	44.72	<10.000	0.0169	13.08	<4.0	97.73	6.44
11/17/2015	Tuesday	28.46	<2.5	<10.000	42.84	<10.000	0.0306	27.09	<4.0	115.50	5.63
11/18/2015	Wednesday	28.06	<2.5	<10.000	45.86	<10.000	0.0256	28.66	<4.0	126.40	5.41
11/24/2015	Tuesday	30.28	<2.5	<10.000	70.13	<10.000	0.0310	27.48	<4.0	122.30	10.40
11/25/2015	Wednesday	29.08	<2.5	<10.000	50.86	<10.000	0.0288	18.46	<4.0	105.00	7.17
12/1/2015	Tuesday	40.22	<2.5	<10.000	56.66	10.05	0.0358	16.97	<4.0	138.30	6.39
12/2/2015	Wednesday	34.59	<2.5	12.07	65.99	<10.000	0.0131	18.91	<4.0	130.60	5.81
12/8/2015	Tuesday	31.34	<2.5	<10.000	47.21	<10.000	0.0408	38.13	<4.0	121.30	9.27
12/9/2015	Wednesday	29.14	<2.5	<10.000	49.75	<10.000	0.0258	25.36	<4.0	116.90	9.99
12/15/2015	Tuesday	48.66	<2.5	11.31	42.61	<10.000	0.0548	26.14	<4.0	108.00	7.60
12/16/2015	Wednesday	29.34	<2.5	<10.000	42.06	<10.000	0.0173	28.54	<4.0	90.76	8.82

Field's Point Influent Metals 2015
all analyses in ppb

Date	Day of the Week	Influent Flow	Cd (ppb)	Cr (ppb)	Cu (ppb)	Pb (ppb)	Hg (ppb)	Ni (ppb)	Ag (ppb)	Zn (ppb)	CN (ppb)
12/22/2015	Tuesday	35.48	<2.5	<10.000	51.16	<10.000	0.0493	18.89	<4.0	119.50	8.05
12/23/2015	Wednesday	49.80	<2.5	<10.000	47.88	15.78	0.0844	22.38	<4.0	149.80	6.26
12/29/2015	Tuesday	54.81	<2.5	<10.000	35.98	10.01	0.0373	17.58	<4.0	108.20	18.80
12/30/2015	Wednesday	43.73	<2.5	<10.000	28.08	<10.000	0.0289	23.75	<4.0	89.30	6.06

Field's Point Influent Metals 2015
all analyses in ppb

Date	Day of the Week	Influent Flow	Al (ppb)	Fe (ppb)	Se (ppb)	As (ppb)	Mo(ppb)
1/6/2015	Tuesday	38.57	224.6	1236.0	3.311	2.133	2.716
1/7/2015	Wednesday	39.99	199.2	1333.0		2.14	
1/13/2015	Tuesday	39.34	352.0	1450.0	3.07	2.24	3.79
1/14/2015	Wednesday	36.31	308.3	1404.0		1.75	
1/20/2015	Tuesday	34.78	236.4	1429.0	4.19	3.05	3.94
1/21/2015	Wednesday	36.16	196.8	1288.0		3.05	
1/27/2015	Tuesday	33.09	141.2	1209.0	1.66	1.51	1.37
1/28/2015	Wednesday	35.50	235.7	1235.0		2.43	
2/3/2015	Tuesday	33.86	229.7	1466.0	2.81	2.54	3.23
2/4/2015	Wednesday	33.98	236.2	1370.0		2.05	
2/10/2015	Tuesday	36.50	289.0	1633.0	5.69	3.25	7.03
2/11/2015	Wednesday	32.88	231.2	1519.0		3.35	
2/17/2015	Tuesday	32.52	359.5	1562.0	3.33	2.25	3.52
2/18/2015	Wednesday	32.12	586.2	1637.0		1.63	
2/24/2015	Tuesday	32.48	307.3	1292.0	3.72	3.45	3.19
2/25/2015	Wednesday	34.20	673.7	1775.0		2.91	
3/3/2015	Tuesday	34.37	460.9	1751.0	2.72	2.33	3.55
3/4/2015	Wednesday	50.28	1530.0	3218.0		2.31	
3/10/2015	Tuesday	51.37	1299.0	2540.0	2.13	1.42	3.46
3/11/2015	Wednesday	62.11	1046.0	2617.0		1.71	
3/17/2015	Tuesday	71.60	336.3	1382.0	2.08	1.67	1.67
3/18/2015	Wednesday	66.36	172.1	1226.0		1.52	
3/24/2015	Tuesday	46.67	233.4	1440.0	3.46	1.28	1.83
3/25/2015	Wednesday	46.97	205.6	1380.0		1.25	
3/31/2015	Tuesday	53.53	194.3	1389.0	3.37	1.59	4.31
4/1/2015	Wednesday	48.49	170.2	1172.0		1.46	
4/7/2015	Tuesday	57.21	568.6	1708.0	2.31	1.68	2.69
4/8/2015	Wednesday	52.57	285.9	1315.0		1.66	
4/14/2015	Tuesday	42.25	242.0	1404.0	2.30	1.58	3.68
4/15/2015	Wednesday	42.77	239.7	1314.0		1.69	
4/21/2015	Tuesday	66.64	247.3	1197.0	2.28	1.86	2.81
4/22/2015	Wednesday	68.09	180.5	981.0		1.47	
4/28/2015	Tuesday	40.91	336.1	1369.0	3.10	1.79	3.55
4/29/2015	Wednesday	43.98	233.7	1336.0		1.90	
5/5/2015	Tuesday	39.23	222.0	1406.0	3.13	2.21	5.21
5/6/2015	Wednesday	38.88	231.7	1525.0		2.34	

Field's Point Influent Metals 2015
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Date	Day of the Week	Influent Flow	Al (ppb)	Fe (ppb)	Se (ppb)	As (ppb)	Mo(ppb)
5/12/2015	Tuesday	38.46	463.4	2027.0	4.34	2.27	8.84
5/13/2015	Wednesday	36.28	319.7	1414.0		2.35	
5/19/2015	Tuesday	43.53	579.3	2367.0	3.76	2.42	6.12
5/20/2015	Wednesday	33.51	243.8	1353.0		2.36	
5/26/2015	Tuesday	32.47	435.5	1571.0	3.43	2.45	6.89
5/27/2015	Wednesday	33.04	262.4	1501.0		2.57	
6/2/2015	Tuesday	54.91	268.5	1253.0	2.43	2.40	5.52
6/3/2015	Wednesday	39.70	210.8	1447.0		2.57	
6/9/2015	Tuesday	34.78	313.1	1593.0	3.74	2.65	5.47
6/10/2015	Wednesday	31.10	399.3	1519.0		2.70	
6/16/2015	Tuesday	55.77	229.4	1319.0	3.54	2.16	4.99
6/17/2015	Wednesday	33.04	270.6	1592.0		2.69	
6/23/2015	Tuesday	60.49	248.3	1198.0	3.01	2.01	4.42
6/24/2015	Wednesday	39.99	288.2	1406.0		2.69	
6/30/2015	Tuesday	41.89	257.9	1535.0	2.61	2.21	6.37
7/1/2015	Wednesday	51.86	563.7	2248.0		2.21	
7/7/2015	Tuesday	36.29	361.0	1928.0	2.53	2.15	4.69
7/8/2015	Wednesday	48.93	715.4	2470.0		2.42	
7/14/2015	Tuesday	45.71	607.8	2368.0	3.55	2.41	6.08
7/15/2015	Wednesday	44.59	439.1	2012.0		2.38	
7/21/2015	Tuesday	33.90	253.0	1535.0	3.78	2.60	6.18
7/22/2015	Wednesday	32.73	240.8	1421.0		2.76	
7/28/2015	Tuesday	33.37	356.1	1770.0	3.62	2.68	4.27
7/29/2015	Wednesday	31.76	261.9	1342.0		2.75	
8/4/2015	Tuesday	57.77	582.6	2056.0	2.62	2.71	3.35
8/5/2015	Wednesday	32.48	234.4	1470.0		2.72	
8/11/2015	Tuesday	53.14	569.7	2238.0	2.84	2.60	4.02
8/12/2015	Wednesday	53.10	241.2	1160.0		2.22	
8/18/2015	Tuesday	31.33	288.8	1607.0	2.87	2.46	5.58
8/19/2015	Wednesday	30.01	289.7	1516.0		2.55	
8/25/2015	Tuesday	29.73	581.5	2166.0	3.56	2.89	6.88
8/26/2015	Wednesday	28.28	333.5	1617.0		2.58	
9/1/2015	Tuesday	30.44	325.3	1629.0	3.91	3.04	8.69
9/2/2015	Wednesday	28.95	364.2	1655.0		2.97	
9/8/2015	Tuesday	30.73	429.2	2117.0	6.32	3.30	11.96
9/9/2015	Wednesday	29.21	261.9	1473.0		2.79	
9/15/2015	Tuesday	28.88	276.6	1558.0	3.18	2.80	5.13

Field's Point Influent Metals 2015
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Date	Day of the Week	Influent Flow	Al (ppb)	Fe (ppb)	Se (ppb)	As (ppb)	Mo(ppb)
9/16/2015	Wednesday	28.32	305.1	1501.0		2.64	
9/22/2015	Tuesday	27.48	381.9	1575.0	2.84	2.43	11.71
9/23/2015	Wednesday	28.33	257.6	2127.0		2.47	
9/29/2015	Tuesday	40.33	776.3	3210.0	3.71	2.90	8.40
9/30/2015	Wednesday	82.88	835.2	2637.0		2.22	
10/6/2015	Tuesday	28.58	330.8	1705.0	3.08	2.80	4.08
10/7/2015	Wednesday	30.38	279.6	1654.0		2.62	
10/13/2015	Tuesday	39.18	364.0	1633.0	3.07	2.59	6.62
10/14/2015	Wednesday	29.90	236.0	1383.0		2.90	
10/20/2015	Tuesday	27.58	298.0	1582.0	3.08	2.92	4.36
10/21/2015	Wednesday	27.97	258.2	1420.0		2.82	
10/27/2015	Tuesday	28.18	310.2	1712.0	4.12	3.05	4.66
10/28/2015	Wednesday	57.19	639.3	2273.0		2.94	
11/3/2015	Tuesday	29.27	351.5	1638.0	3.63	2.81	5.89
11/4/2015	Wednesday	30.77	303.4	1594.0		3.04	
11/10/2015	Tuesday	42.86	496.2	1955.0	2.52	2.83	4.19
11/11/2015	Wednesday	33.26	238.6	1295.0		2.77	
11/17/2015	Tuesday	28.46	300.8	1463.0	2.92	2.62	4.20
11/18/2015	Wednesday	28.06	239.0	1342.0		2.69	
11/24/2015	Tuesday	30.28	283.3	1569.0	2.76	2.78	4.02
11/25/2015	Wednesday	29.08	247.7	1426.0		2.76	
12/1/2015	Tuesday	40.22	291.6	1477.0	4.32	2.59	7.26
12/2/2015	Wednesday	34.59	199.1	1349.0		2.72	
12/8/2015	Tuesday	31.34	302.3	1444.0	7.58	2.20	8.97
12/9/2015	Wednesday	29.14	560.9	1591.0		2.66	
12/15/2015	Tuesday	48.66	309.9	1452.0	1.19	2.04	2.73
12/16/2015	Wednesday	29.34	380.0	1372.0		2.53	
12/22/2015	Tuesday	35.48	384.4	1808.0	2.76	2.84	5.17
12/23/2015	Wednesday	49.80	567.7	1947.0		2.29	
12/29/2015	Tuesday	54.81	584.7	1534.0	<1.000	2.27	2.11
12/30/2015	Wednesday	43.73	420.1	1223.0		2.25	

Field's Point Effluent Metals 2015
all analyses in ppb

Date	Day of the Week	Effluent Flow	Cd (ppb)	TTL Cr (ppb)	Cu (ppb)	Pb (ppb)	Hg (ppb)	Ni (ppb)	Ag (ppb)	Zn (ppb)	CN (ppb)
1/6/2015	Tuesday	38.57	<0.040	1.73	3.00	0.49	0.00293	11.56	0.13	22.25	7.91
1/7/2015	Wednesday	39.99	<0.040	1.68	2.96	0.47	0.00323	12.50	0.11	24.81	
1/8/2015	Thursday	40.22									4.28
1/13/2015	Tuesday	39.34	<0.040	1.35	3.40	0.71	0.00385	14.23	0.13	29.68	10.20
1/14/2015	Wednesday	36.31	<0.040	1.20	2.76	0.43	0.00272	13.34	0.09	26.61	7.85
1/20/2015	Tuesday	34.78	<0.040	1.91	3.46	0.44	0.00385	16.09	0.09	29.36	7.14
1/21/2015	Wednesday	36.16	<0.040	1.77	2.77	0.39	0.00285	15.55	0.07	29.51	6.14
1/27/2015	Tuesday	33.09	<0.040	0.97	38.82	0.53	0.00201	14.07	0.11	36.28	5.28
1/28/2015	Wednesday	35.50	0.069	1.21	3.53	0.39	0.00223	16.72	0.09	28.36	7.74
2/3/2015	Tuesday	33.86	<0.040	2.50	3.15	0.41	0.00265	13.60	0.10	26.48	8.02
2/4/2015	Wednesday	33.98	<0.040	1.66	2.95	0.39	0.00316	12.71	0.10	26.43	6.06
2/10/2015	Tuesday	36.50	0.049	2.46	3.14	0.36	0.00275	14.00	0.10	26.97	12.70
2/11/2015	Wednesday	32.88	0.051	3.62	3.15	0.45	0.00290	14.16	0.12	27.43	9.73
2/17/2015	Tuesday	32.52	<0.040	1.56	3.01	0.42	0.00349	19.90	0.09	24.53	6.54
2/18/2015	Wednesday	32.12	0.085	1.28	2.79	0.39	0.00222	18.98	0.07	27.35	6.37
2/24/2015	Tuesday	32.48	0.061	1.99	3.25	0.49	0.00357	20.98	0.11	31.90	8.47
2/25/2015	Wednesday	34.20	0.063	2.47	3.60	0.42	0.00212	21.81	0.08	31.86	9.28
3/3/2015	Tuesday	34.37	0.053	2.07	3.08	0.43	0.00266	18.93	0.09	29.58	12.70
3/4/2015	Wednesday	50.28	0.12	2.29	3.66	0.65	0.00332	18.48	0.11	35.37	10.80
3/10/2015	Tuesday	51.37	0.091	1.55	3.24	0.49	0.00429	13.35	0.08	36.91	10.50
3/11/2015	Wednesday	62.11	0.088	1.65	3.02	0.81	0.00401	12.34	0.07	36.92	8.57
3/17/2015	Tuesday	71.60	0.3	1.13	4.49	0.63	0.00496	17.41	0.06	39.44	9.42
3/18/2015	Wednesday	66.36	0.26	1.08	3.37	0.50	0.00395	15.37	0.05	34.68	10.60
3/24/2015	Tuesday	46.67	0.12	1.02	2.82	0.36	<0.00200	16.72	0.05	29.95	6.97
3/25/2015	Wednesday	46.97	0.094	1.01	3.01	0.37	0.00250	16.54	0.07	28.07	7.28
3/31/2015	Tuesday	53.53	0.07	2.77	2.61	0.36	0.00298	13.67	0.05	29.15	9.38
4/1/2015	Wednesday	48.49	0.065	1.80	2.99	0.38	0.00228	13.64	0.05	31.39	8.66
4/7/2015	Tuesday	57.21	0.076	1.05	2.60	0.49	0.00280	14.05	0.05	28.58	6.87
4/8/2015	Wednesday	52.57	0.066	1.02	2.33	0.38	0.00253	12.60	0.04	27.84	7.78
4/14/2015	Tuesday	42.25	0.083	1.44	3.33	0.36	0.00353	12.67	0.05	26.42	11.60
4/15/2015	Wednesday	42.77	0.066	1.41	2.79	0.31	0.00325	12.70	0.04	25.64	5.95
4/21/2015	Tuesday	66.64	0.098	1.36	3.18	0.46	<0.00200	12.10	0.07	26.56	6.96
4/22/2015	Wednesday	68.09	0.1	1.47	3.37	0.57	0.00248	13.61	0.08	31.26	6.43
4/28/2015	Tuesday	40.91	0.12	1.28	2.56	0.32	0.00301	13.37	0.04	22.20	9.25
4/29/2015	Wednesday	43.98	0.12	1.31	2.36	0.31	0.00291	12.87	0.04	22.37	8.20
5/5/2015	Tuesday	39.23	0.37	1.43	2.59	0.35	0.00206	15.64	0.05	21.80	9.90
5/6/2015	Wednesday	38.88	0.3	1.62	2.34	0.34	0.00286	14.48	0.05	20.33	9.93

Field's Point Effluent Metals 2015
all analyses in ppb

Date	Day of the Week	Effluent Flow	Cd (ppb)	TTL Cr (ppb)	Cu (ppb)	Pb (ppb)	Hg (ppb)	Ni (ppb)	Ag (ppb)	Zn (ppb)	CN (ppb)
5/12/2015	Tuesday	38.46	0.11	1.44	2.27	0.41	0.00388	11.61	0.03	20.91	8.89
5/13/2015	Wednesday	36.28	0.13	1.21	2.35	0.34	0.00266	11.56	0.03	22.64	10.20
5/19/2015	Tuesday	43.53	0.058	2.10	2.33	0.50	0.00201	12.01	0.04	19.78	7.03
5/20/2015	Wednesday	33.51	0.085	1.70	2.09	0.38	0.00254	11.86	0.03	21.39	7.16
5/26/2015	Tuesday	32.47	<0.040	1.07	2.20	0.38	0.00316	13.86	0.04	17.58	12.10
5/27/2015	Wednesday	33.04	<0.040	1.68	1.99	0.31	0.00338	15.46	0.03	17.99	9.98
6/2/2015	Tuesday	54.91	<0.040	1.09	1.87	0.46	0.00250	10.78	0.03	20.58	8.30
6/3/2015	Wednesday	39.70	0.13	1.23	1.98	0.42	0.00310	11.49	0.02	25.35	9.31
6/9/2015	Tuesday	34.78	<0.040	1.46	1.98	0.37	0.00373	10.58	0.03	18.19	9.87
6/10/2015	Wednesday	31.10	<0.040	1.33	1.82	0.34	0.00309	11.20	0.03	16.04	10.30
6/16/2015	Tuesday	55.77	0.086	1.44	2.00	0.45	0.00289	10.85	0.04	21.91	7.26
6/17/2015	Wednesday	33.04	<0.040	1.51	1.99	0.47	0.00373	14.93	0.03	21.46	5.55
6/23/2015	Tuesday	60.49	<0.040	1.76	2.13	0.42	0.00654	10.86	0.02	18.90	7.86
6/24/2015	Wednesday	39.99	<0.040	2.35	1.60	0.36	0.00643	11.14	<0.020	17.45	10.90
6/30/2015	Tuesday	41.89	0.099	1.28	1.81	0.41	0.00442	8.04	0.03	24.99	9.31
7/1/2015	Wednesday	51.86	<0.040	1.58	1.53	0.35	0.00405	6.88	0.02	16.74	10.70
7/7/2015	Tuesday	36.29	<0.040	1.56	2.12	0.53	0.00415	6.87	0.03	18.57	9.21
7/8/2015	Wednesday	48.93	<0.040	1.16	1.83	0.56	0.00426	5.92	0.02	17.34	7.69
7/14/2015	Tuesday	45.71	0.045	2.05	1.96	0.66	0.00565	8.31	0.02	18.86	7.63
7/15/2015	Wednesday	44.59	0.076	1.62	1.46	0.45	0.00542	8.67	0.02	18.85	7.95
7/21/2015	Tuesday	33.90	0.12	1.39	1.74	0.39	0.00533	9.97	0.02	21.72	8.55
7/22/2015	Wednesday	32.73	0.14	1.49	1.79	0.37	0.00429	9.20	<0.020	21.83	13.10
7/28/2015	Tuesday	33.37	<0.040	1.23	1.55	0.40	0.00445	8.28	0.03	20.14	10.60
7/29/2015	Wednesday	31.76	<0.040	1.62	1.51	0.38	0.00370	8.96	<0.020	20.69	13.10
8/4/2015	Tuesday	57.77	0.11	1.71	2.57	0.47	0.00971	9.17	0.03	16.68	9.41
8/5/2015	Wednesday	32.48	0.38	1.36	1.72	0.41	0.00445	9.92	0.03	21.06	12.80
8/11/2015	Tuesday	53.14	0.32	1.10	1.70	0.43	0.00312	8.64	0.03	20.30	8.13
8/12/2015	Wednesday	53.10	0.093	1.04	1.61	0.39	0.00500	7.97	<0.020	17.34	13.00
8/18/2015	Tuesday	31.33	0.22	1.40	1.77	0.45	0.00487	12.48	0.03	25.39	11.60
8/19/2015	Wednesday	30.01	<0.040	1.28	2.35	0.41	0.00469	12.47	0.02	20.41	9.24
8/25/2015	Tuesday	29.73	<0.040	1.27	1.73	0.40	0.00501	13.21	0.02	18.02	12.60
8/26/2015	Wednesday	28.28	<0.040	1.79	1.51	0.36	0.00442	12.76	0.02	17.95	13.10
9/1/2015	Tuesday	30.44	0.055	1.53	1.47	0.34	0.00665	12.42	0.02	18.30	13.70
9/2/2015	Wednesday	28.95	<0.040	1.84	1.31	0.35	0.00511	12.80	0.02	18.07	13.30
9/8/2015	Tuesday	30.73	<0.040	1.46	1.35	0.34	0.00355	12.59	<0.020	14.49	10.90
9/9/2015	Wednesday	29.21	0.078	1.69	1.30	0.37	0.00351	12.47	<0.020	17.33	12.80
9/15/2015	Tuesday	28.88	<0.040	1.38	1.48	0.35	0.00265	12.50	0.02	16.69	7.74

Field's Point Effluent Metals 2015
all analyses in ppb

Date	Day of the Week	Effluent Flow	Cd (ppb)	TTL Cr (ppb)	Cu (ppb)	Pb (ppb)	Hg (ppb)	Ni (ppb)	Ag (ppb)	Zn (ppb)	CN (ppb)
9/16/2015	Wednesday	28.32	<0.040	1.52	1.45	0.33	0.00218	12.60	<0.020	15.36	11.30
9/22/2015	Tuesday	27.48	0.064	1.29	1.32	0.31	0.00265	10.72	0.02	17.12	13.00
9/23/2015	Wednesday	28.33	1.1	1.21	1.70	0.40	0.00327	10.62	<0.020	19.44	12.60
9/29/2015	Tuesday	40.33	<0.040	1.28	2.19	0.59	0.00745	12.55	0.04	17.34	8.25
9/30/2015	Wednesday	67.70	<0.040	0.82	1.66	0.44	0.00324	8.34	<0.020	16.12	
10/2/2015	Friday	61.49									5.92
10/6/2015	Tuesday	28.58	<0.040	1.63	2.10	0.46	0.00255	11.80	0.04	20.57	7.91
10/7/2015	Wednesday	30.38	<0.040	1.28	1.96	0.43	0.00418	10.95	0.03	19.93	9.43
10/13/2015	Tuesday	39.18	0.071	1.30	1.81	0.38	0.00321	9.16	0.02	17.61	7.76
10/14/2015	Wednesday	29.90	<0.040	1.42	1.69	0.43	0.00250	12.86	0.03	25.88	13.40
10/20/2015	Tuesday	27.58	0.077	2.69	1.86	0.33	0.00459	13.14	0.03	31.46	11.80
10/21/2015	Wednesday	27.97	0.11	3.99	1.98	0.37	<0.00200	12.85	0.05	31.08	11.60
10/27/2015	Tuesday	28.18	0.067	1.90	2.06	0.35	0.00505	13.47	0.02	21.96	12.10
10/28/2015	Wednesday	57.19	0.095	1.59	3.21	0.78	0.01310	8.70	0.06	25.13	8.09
11/3/2015	Tuesday	29.27	0.048	1.90	2.05	0.46	0.00279	13.06	0.03	24.27	7.36
11/4/2015	Wednesday	30.77	0.067	3.57	2.57	0.46	0.00466	12.23	0.03	23.22	5.68
11/10/2015	Tuesday	42.86	<0.040	1.35	2.25	0.54	0.00283	9.40	0.04	17.62	5.62
11/11/2015	Wednesday	33.26	<0.040	1.21	1.96	0.43	0.00382	9.19	0.04	19.83	10.30
11/17/2015	Tuesday	28.46	<0.040	2.30	2.05	0.44	0.00237	13.07	0.03	20.44	6.97
11/18/2015	Wednesday	28.06	<0.040	2.34	2.00	0.41	0.00275	15.15	0.02	21.58	8.00
11/24/2015	Tuesday	30.28	<0.040	1.75	2.58	0.49	0.00301	13.93	0.03	20.61	11.80
11/25/2015	Wednesday	29.08	<0.040	2.09	2.43	0.43	0.00309	12.10	0.03	20.19	6.89
12/1/2015	Tuesday	40.22	<0.040	1.81	2.47	0.42	0.00273	10.86	0.03	18.51	6.05
12/2/2015	Wednesday	34.59	<0.040	1.40	2.27	0.47	0.00301	10.83	0.03	20.20	11.90
12/8/2015	Tuesday	31.34	<0.020	2.81	2.52	0.38	0.00312	19.18	0.04	19.33	7.62
12/9/2015	Wednesday	29.14	<0.020	2.67	2.30	0.39	0.00302	15.95	0.03	17.58	5.92
12/15/2015	Tuesday	48.66	<0.020	3.18	2.62	0.57	0.00365	15.29	0.03	21.85	6.42
12/16/2015	Wednesday	29.34	<0.020	2.21	2.22	0.45	0.00225	15.04	0.03	20.37	6.05
12/22/2015	Tuesday	35.48	0.021	1.92	2.64	0.44	0.00303	13.20	0.03	19.67	10.60
12/23/2015	Wednesday	49.80	0.083	1.34	3.60	0.56	0.00378	10.17	0.03	19.19	6.65
12/29/2015	Tuesday	54.81	0.025	1.42	2.98	0.81	0.00309	11.50	0.03	25.28	7.32
12/30/2015	Wednesday	43.73	0.063	1.79	2.41	0.58	0.00329	14.25	0.03	25.27	7.10
12/24/2014	Wednesday	53.45	<0.040	1.24	2.91	0.59	0.00309	9.78	0.09	20.93	7.82
12/30/2014	Tuesday	41.51	0.05	2.18	3.11	0.47	0.00238	18.46	0.12	22.86	7.33
12/31/2014	Wednesday	38.69	<0.040	2.60	2.69	0.52	0.00469	15.56	0.12	21.64	5.45

Field's Point Effluent Metals 2015
all analyses in ppb

Date	Day of the Week	Effluent Flow	Al (ppb)	Fe (ppb)	Se (ppb)	As (ppb)	Mo (ppb)
1/6/2015	Tuesday	38.57	13.15	154.5	2.496	2	2.788
1/7/2015	Wednesday	39.99	12.93	150.4		1.94	
1/13/2015	Tuesday	39.34	17.99	190.4		2.03	
1/14/2015	Wednesday	36.31	11.08	131.0		1.62	
1/20/2015	Tuesday	34.78	11.41	137.5		2.46	
1/21/2015	Wednesday	36.16	10.55	134.1		2.55	
1/27/2015	Tuesday	33.09	25.07	159.1		1.72	
1/28/2015	Wednesday	35.50	12.16	139.8		2.09	
2/3/2015	Tuesday	33.86	10.68	147.9	2.65	2.39	2.98
2/4/2015	Wednesday	33.98	8.29	126.5		2.08	
2/10/2015	Tuesday	36.50	9.01	134.5		2.60	
2/11/2015	Wednesday	32.88	11.95	183.8		2.83	
2/17/2015	Tuesday	32.52	10.11	162.7		2.64	
2/18/2015	Wednesday	32.12	10.85	121.1		1.82	
2/24/2015	Tuesday	32.48	13.56	171.7		2.78	
2/25/2015	Wednesday	34.20	9.98	140.1		2.68	
3/3/2015	Tuesday	34.37	10.81	145.2	2.63	2.16	4.09
3/4/2015	Wednesday	50.28	15.30	145.3		1.90	
3/10/2015	Tuesday	51.37	16.37	124.4		1.30	
3/11/2015	Wednesday	62.11	18.17	127.3		1.35	
3/17/2015	Tuesday	71.60	22.76	153.3		1.16	
3/18/2015	Wednesday	66.36	17.37	135.9		1.11	
3/19/2015	Thursday	54.19				0.99	
3/24/2015	Tuesday	46.67	12.20	120.8		1.31	
3/25/2015	Wednesday	46.97	11.99	119.8		1.17	
3/31/2015	Tuesday	53.53	11.83	119.3		1.29	
4/1/2015	Wednesday	48.49	12.75	123.6		1.17	
4/7/2015	Tuesday	57.21	12.77	111.8	1.94	1.36	2.37
4/8/2015	Wednesday	52.57	11.62	113.9		1.33	
4/14/2015	Tuesday	42.25	10.24	113.8		1.34	
4/15/2015	Wednesday	42.77	8.87	100.0		1.34	
4/21/2015	Tuesday	66.64	13.60	126.6		1.21	

Field's Point Effluent Metals 2015
all analyses in ppb

Date	Day of the Week	Effluent Flow	Al (ppb)	Fe (ppb)	Se (ppb)	As (ppb)	Mo (ppb)
4/22/2015	Wednesday	68.09	16.61	148.0		1.18	
4/28/2015	Tuesday	40.91	8.40	107.0		1.63	
4/29/2015	Wednesday	43.98	8.28	112.3		1.45	
5/5/2015	Tuesday	39.23	8.32	129.0	2.36	1.80	4.15
5/6/2015	Wednesday	38.88	8.14	127.6		1.66	
5/12/2015	Tuesday	38.46	7.83	120.5		1.79	
5/13/2015	Wednesday	36.28	6.68	104.7		1.66	
5/19/2015	Tuesday	43.53	8.41	157.4		1.88	
5/20/2015	Wednesday	33.51	8.77	143.2		1.68	
5/26/2015	Tuesday	32.47	6.90	126.9		1.70	
5/27/2015	Wednesday	33.04	6.39	131.5		1.81	
6/2/2015	Tuesday	54.91	10.08	114.1		1.49	
6/3/2015	Wednesday	39.70	8.67	120.0		1.80	
6/9/2015	Tuesday	34.78	8.04	133.5	2.79	2.21	4.89
6/10/2015	Wednesday	31.10	8.01	132.0		2.17	
6/16/2015	Tuesday	55.77	10.08	147.7		1.70	
6/17/2015	Wednesday	33.04	11.44	147.4		1.93	
6/23/2015	Tuesday	60.49	9.18	124.0		1.49	
6/24/2015	Wednesday	39.99	6.78	115.0		1.80	
6/30/2015	Tuesday	41.89	8.97	136.4		1.75	
7/1/2015	Wednesday	51.86	6.63	119.4		1.54	
7/7/2015	Tuesday	36.29	11.09	163.1	2.04	1.90	3.59
7/8/2015	Wednesday	48.93	11.74	167.8		1.77	
7/14/2015	Tuesday	45.71	14.10	198.0		1.78	
7/15/2015	Wednesday	44.59	11.85	129.7		1.73	
7/21/2015	Tuesday	33.90	11.86	110.3		1.84	
7/22/2015	Wednesday	32.73	7.61	102.5		1.78	
7/28/2015	Tuesday	33.37	8.02	121.5		2.05	
7/29/2015	Wednesday	31.76	8.35	113.7		2.06	
8/4/2015	Tuesday	57.77	9.44	128.7		1.81	
8/5/2015	Wednesday	32.48	13.20	116.1		2.02	
8/11/2015	Tuesday	53.14	10.04	144.8		1.61	

Field's Point Effluent Metals 2015
all analyses in ppb

Date	Day of the Week	Effluent Flow	Al (ppb)	Fe (ppb)	Se (ppb)	As (ppb)	Mo (ppb)
8/12/2015	Wednesday	53.10	9.43	122.9		1.51	
8/18/2015	Tuesday	31.33	22.68	138.9	2.11	1.97	5.54
8/19/2015	Wednesday	30.01	7.61	119.4		1.91	
8/25/2015	Tuesday	29.73	7.49	142.9		1.92	
8/26/2015	Wednesday	28.28	8.03	148.2		1.91	
9/1/2015	Tuesday	30.44	7.97	151.9		2.19	
9/2/2015	Wednesday	28.95	8.88	135.4		1.95	
9/8/2015	Tuesday	30.73	9.41	138.3		2.48	
9/9/2015	Wednesday	29.21	9.94	155.2		2.42	
9/15/2015	Tuesday	28.88	8.73	130.9	2.44	2.24	4.30
9/16/2015	Wednesday	28.32	8.07	127.8		2.25	
9/22/2015	Tuesday	27.48	8.52	122.9		2.15	
9/23/2015	Wednesday	28.33	9.86	128.2		2.12	
9/29/2015	Tuesday	40.33	16.40	191.9		2.01	
9/30/2015	Wednesday	67.70	10.13	101.0		1.41	
10/6/2015	Tuesday	28.58	9.17	118.3	2.38	2.18	4.08
10/7/2015	Wednesday	30.38	8.10	110.3		2.02	
10/13/2015	Tuesday	39.18	10.68	109.1		1.94	
10/14/2015	Wednesday	29.90	8.87	128.0		2.27	
10/20/2015	Tuesday	27.58	8.75	105.0		2.11	
10/21/2015	Wednesday	27.97	9.41	120.9		1.97	
10/27/2015	Tuesday	28.18	9.89	118.6		2.30	
10/28/2015	Wednesday	57.19	24.56	215.7		2.01	
11/3/2015	Tuesday	29.27	12.10	123.1	3.77	2.30	6.49
11/4/2015	Wednesday	30.77	10.75	162.2		2.62	
11/10/2015	Tuesday	42.86	12.47	163.3		2.09	
11/11/2015	Wednesday	33.26	16.33	127.8		1.95	
11/17/2015	Tuesday	28.46	10.73	122.8		2.23	
11/18/2015	Wednesday	28.06	10.25	114.7		2.06	
11/24/2015	Tuesday	30.28	12.49	138.1		1.72	
11/25/2015	Wednesday	29.08	10.35	123.6		2.20	
12/1/2015	Tuesday	40.22	11.07	141.0		2.16	

Field's Point Effluent Metals 2015
all analyses in ppb

Date	Day of the Week	Effluent Flow	Al (ppb)	Fe (ppb)	Se (ppb)	As (ppb)	Mo (ppb)
12/2/2015	Wednesday	34.59	11.15	134.5		2.03	
12/8/2015	Tuesday	31.34	9.45	105.9	5.44	1.85	7.21
12/9/2015	Wednesday	29.14	9.62	108.1		1.69	
12/15/2015	Tuesday	48.66	16.38	118.8		1.55	
12/16/2015	Wednesday	29.34	13.80	104.5		1.57	
12/22/2015	Tuesday	35.48	14.72	95.6		1.68	
12/23/2015	Wednesday	49.80	16.31	108.2		1.47	
12/29/2015	Tuesday	54.81	23.14	164.5		1.53	
12/30/2015	Wednesday	43.73	16.32	125.1		1.67	
12/31/2014	Wednesday	38.69	12.57	160.9		2.38	

Bucklin Point Influent Metals Cd - CN 2015
all results in ppb

Date	Day of the Week	Influent Flow	Cd	TTL Cr	Hex Cr	Cu	Pb	Hg	Ni	Ag	Zn	CN
1/6/2015	Tuesday	20.10	<2.5	<10.000	58.00	57.20	<10.000	0.01710	12.17	<4.0	97.51	9.360
1/7/2015	Wednesday	19.20	<2.5	13.98	25.00	49.14	<10.000	0.02820	22.11	<4.0	97.69	5.460
1/13/2015	Tuesday	18.37	<2.5	<10.000	45.00	57.18	<10.000	0.02110	29.84	<4.0	119.4	4.250
1/14/2015	Wednesday	18.53	<2.5	<10.000	31.00	49.31	<10.000	0.02960	37.69	<4.0	82.72	4.550
1/20/2015	Tuesday	17.87	<2.5	10.62	50.00	52.52	<10.000	0.03860	13.97	<4.0	95.26	<4.00
1/21/2015	Wednesday	17.47	<2.5	<10.000	33.00	70.92	<10.000	0.03380	<10.000	<4.0	110.2	<4.00
1/27/2015	Tuesday	15.90	<2.5	<10.000	39.00	55.83	<10.000	0.03410	11.15	<4.0	85.56	4.610
1/28/2015	Wednesday	17.19	<2.5	<10.000	35.00	33.15	<10.000	0.02190	<10.000	<4.0	82.86	4.520
2/3/2015	Tuesday	16.38	<2.5	<10.000	47.00	44.72	<10.000	0.02630	29.89	<4.0	88.42	5.780
2/4/2015	Wednesday	17.19	<2.5	<10.000	37.00	42.89	<10.000	0.03010	<10.000	<4.0	110.8	9.870
2/10/2015	Tuesday	16.31	<2.5	<10.000	47.00	51.51	<10.000	0.03160	<10.000	<4.0	102.2	7.120
2/11/2015	Wednesday	16.27	<2.5	<10.000	48.00	67.50	<10.000	0.03380	18.06	<4.0	104.9	<8.00
2/17/2015	Tuesday	15.83	<2.5	<10.000	43.00	72.56	<10.000	0.06770	24.14	<4.0	127.9	
2/18/2015	Wednesday	16.43	<2.5	11.69	48.00	75.50	<10.000	0.03740	16.32	<4.0	113.6	4.060
2/19/2015	Thursday	15.85										8.170
2/24/2015	Tuesday	15.94	<2.5	<10.000	45.00	104.1	<10.000	0.04450	22.25	<4.0	117.3	4.740
2/25/2015	Wednesday	15.72	<2.5	<10.000	49.00	106.1	<10.000	0.04100	13.57	<4.0	133.3	
2/26/2015	Thursday	15.82										8.030
3/3/2015	Tuesday	15.62	<2.5	21.89	47.00	93.14	<10.000	0.05680	26.73	<4.0	130.2	14.30
3/4/2015	Wednesday	25.18	<2.5	28.37	39.00	65.91	<10.000	0.05480	26.73	<4.0	138.6	16.90
3/10/2015	Tuesday	21.97	<2.5	<10.000	28.00	73.63	<10.000	0.03270	13.88	<4.0	137.2	12.20
3/11/2015	Wednesday	32.17	<2.5	83.33	29.00	89.15	10.77	0.02930	82.93	<4.0	148.9	10.90
3/17/2015	Tuesday	30.62	<2.5	<10.000	10.00	46.56	<10.000	0.02480	<10.000	<4.0	81.77	9.430
3/18/2015	Wednesday	26.79	<2.5	<10.000	<10.000	42.73	<10.000	0.02080	<10.000	<4.0	76.01	7.120
3/24/2015	Tuesday	21.93	<2.5	<10.000	20.00	55.67	<10.000	0.03280	15.08	<4.0	101.2	6.870
3/25/2015	Wednesday	22.82	<2.5	<10.000	17.00	46.22	<10.000	0.02970	11.22	<4.0	87.20	6.210
3/31/2015	Tuesday	26.24	<2.5	<10.000	15.00	48.10	<10.000	0.02790	10.26	<4.0	81.54	5.080
4/1/2015	Wednesday	24.68	<2.5	<10.000	11.00	40.84	<10.000	0.02490	15.01	<4.0	80.56	7.110
4/7/2015	Tuesday	30.14	<2.5	<10.000	<10.000	54.05	<10.000	0.02260	<10.000	<4.0	90.99	4.910
4/8/2015	Wednesday	24.39	<2.5	<10.000	14.00	47.17	<10.000	0.02840	<10.000	<4.0	95.07	4.220
4/14/2015	Tuesday	22.29	<2.5	<10.000	18.00	61.74	<10.000	0.02710	<10.000	<4.0	100.5	4.960
4/15/2015	Wednesday	21.01	<2.5	<10.000	16.00	64.29	<10.000	0.03550	10.19	<4.0	108.7	4.720
4/21/2015	Tuesday	29.26	<2.5	30.85	25.00	62.34	16.43	0.06600	27.68	<4.0	122.3	5.050
4/22/2015	Wednesday	24.84	<2.5	<10.000	23.00	55.11	<10.000	0.03430	11.72	<4.0	95.75	<4.00
4/28/2015	Tuesday	21.89	<2.5	<10.000	17.00	59.79	<10.000	0.04740	<10.000	<4.0	97.64	5.220
4/29/2015	Wednesday	20.47	<2.5	<10.000	16.00	64.68	<10.000	0.04220	17.58	<4.0	130.6	4.030
5/5/2015	Tuesday	18.27	<2.5	<10.000	29.00	74.66	<10.000	0.01980	11.31	<4.0	117.0	4.230
5/6/2015	Wednesday	18.14	<2.5	<10.000	29.00	93.10	<10.000	0.05580	<10.000	<4.0	133.0	4.980
5/12/2015	Tuesday	20.54	<2.5	<10.000	32.00	86.89	10.66	0.07980	<10.000	<4.0	145.0	7.740
5/13/2015	Wednesday	18.31	<2.5	<10.000	22.00	69.54	<10.000	0.05610	<10.000	<4.0	111.3	4.250
5/19/2015	Tuesday	23.42	<2.5	<10.000	24.00	99.64	<10.000	0.04690	18.18	4.042	186.9	8.070
5/20/2015	Wednesday	17.89	<2.5	<10.000	35.00	89.16	<10.000	0.03810	13.11	<4.0	125.7	4.740
5/26/2015	Tuesday	16.64	<2.5	<10.000	34.00	47.94	<10.000	0.02510	<10.000	<4.0	80.61	5.940
5/27/2015	Wednesday	16.71	<2.5	<10.000	24.00	49.44	<10.000	0.05180	<10.000	<4.0	84.88	4.680
6/2/2015	Tuesday	27.67	<2.5	<10.000	56.00	74.79	<10.000	0.03450	13.06	<4.0	118.9	<4.00
6/3/2015	Wednesday	17.74	<2.5	<10.000	96.00	89.05	<10.000	0.2960	19.76	<4.0	116.5	6.340
6/9/2015	Tuesday	16.16	<2.5	<10.000	<10.000	79.90	<10.000	0.02800	49.70	<4.0	82.89	5.040
6/10/2015	Wednesday	15.20	<2.5	<10.000	97.00	105.4	12.17	0.09700	58.06	<4.0	154.1	6.880
6/16/2015	Tuesday	16.43	<2.5	<10.000	<10.000	72.56	<10.000	0.07060	29.14	<4.0	116.9	4.120
6/17/2015	Wednesday	15.06	<2.5	<10.000	43.00	82.44	<10.000	0.06020	21.28	<4.0	130.2	8.000
6/23/2015	Tuesday	16.96	<2.5	<10.000	40.00	66.58	<10.000	0.04420	11.10	<4.0	112.7	7.080
6/24/2015	Wednesday	15.50	<2.5	<10.000	36.00	80.69	<10.000	0.05830	11.49	<4.0	135.1	<4.00

Bucklin Point Influent Metals Cd - CN 2015
all results in ppb

Date	Day of the Week	Influent Flow	Cd	TTL Cr	Hex Cr	Cu	Pb	Hg	Ni	Ag	Zn	CN
6/30/2015	Tuesday	16.04	<2.5	<10.000	33.00	54.21	<10.000	0.02750	<10.000	<4.0	87.00	4.610
7/1/2015	Wednesday	25.59	<2.5	<10.000	18.00	51.21	<10.000	0.05490	<10.000	<4.0	78.94	7.530
7/7/2015	Tuesday	15.62	<2.5	<10.000	35.00	93.22	<10.000	0.05510	11.15	<4.0	141.8	4.770
7/8/2015	Wednesday	21.82	<2.5	<10.000	46.00	91.43	<10.000	0.06400	13.46	<4.0	153.9	7.060
7/14/2015	Tuesday	19.23	<2.5	<10.000	44.00	61.68	<10.000	0.04260	10.39	<4.0	91.30	5.850
7/15/2015	Wednesday	19.03	<2.5	<10.000	27.00	89.26	19.29	0.06430	<10.000	<4.0	178.6	4.140
7/21/2015	Tuesday	14.45	<2.5	<10.000	39.00	99.29	<10.000	0.03750	21.25	<4.0	136.2	4.700
7/22/2015	Wednesday	14.06	<2.5	<10.000	52.00	85.59	<10.000	0.05940	243.4	<4.0	139.0	4.610
7/28/2015	Tuesday	16.15	<2.5	<10.000	39.00	99.56	<10.000	0.05330	10.58	<4.0	134.3	4.760
7/29/2015	Wednesday	13.80	<2.5	<10.000	40.00	88.92	<10.000	0.1220	17.32	<4.0	147.3	
7/31/2015	Friday	13.80										5.360
8/4/2015	Tuesday	21.67	<2.5	<10.000	33.00	71.38	<10.000	0.04320	19.26	<4.0	121.3	
8/5/2015	Wednesday	13.74	<2.5	<10.000	46.00	84.28	<10.000	0.05260	12.54	<4.0	131.1	4.160
8/6/2015	Thursday	13.55	<2.5	37.68	40.00	89.60	<10.000	0.04160	12.33	<4.0	150.5	
8/7/2015	Friday	13.18										6.840
8/11/2015	Tuesday	27.62	<2.5	<10.000	42.00	80.35	12.74	0.04500	<10.000	<4.0	157.0	<8.00
8/12/2015	Wednesday	13.62	<2.5	<10.000	33.00	86.59	<10.000	0.1630	12.22	<4.0	145.8	4.350
8/18/2015	Tuesday	13.75	<2.5	<10.000	43.00	88.40	<10.000	0.03390	12.55	4.944	149.6	9.110
8/19/2015	Wednesday	13.33	<2.5	<10.000	55.00	83.19	<10.000	0.06220	10.55	<4.0	146.9	7.810
8/25/2015	Tuesday	13.14	<2.5	<10.000	55.00	85.58	<10.000	0.04100	10.29	<4.0	110.2	7.870
8/26/2015	Wednesday	12.59	<2.5	<10.000	57.00	106.4	<10.000	0.07810	12.90	<4.0	176.8	5.220
9/1/2015	Tuesday	12.87	<2.5	<10.000	39.00	69.36	<10.000	0.04870	11.99	<4.0	105.2	
9/2/2015	Wednesday	13.54	<2.5	<10.000	52.00	72.95	<10.000	0.04060	10.33	<4.0	111.4	
9/3/2015	Thursday	12.29										4.182
9/4/2015	Friday	12.35										8.462
9/8/2015	Tuesday	12.56	<2.5	<10.000	60.00	111.2	<10.000	0.03438	14.10	<4.0	147.3	<4.00
9/9/2015	Wednesday	13.60	<2.5	10.01	46.00	109.8	10.76	0.06221	11.14	<4.0	165.9	13.62
9/15/2015	Tuesday	12.22	<2.5	<10.000	26.00	114.0	<10.000	0.02470	21.30	4.352	152.9	4.500
9/16/2015	Wednesday	12.27	<2.5	<10.000	52.00	96.82	<10.000	0.03560	11.75	4.682	151.9	10.40
9/22/2015	Tuesday	12.34	<2.5	<10.000	54.00	120.5	<10.000	0.03720	15.08	<4.0	167.1	<4.00
9/23/2015	Wednesday	11.96	<2.5	<10.000	53.00	128.9	<10.000	0.05370	10.89	4.108	189.4	<4.00
9/29/2015	Tuesday	13.20	<2.5	<10.000	49.00	91.39	<10.000	0.04270	13.86	<4.0	113.5	<4.00
9/30/2015	Wednesday	49.82	<2.5	<10.000	31.00	122.5	27.67	0.1020	12.40	<4.0	204.6	4.250
10/6/2015	Tuesday	13.31	<2.5	<10.000	45.00	101.5	<10.000	0.03180	10.35	<4.0	175.9	<4.00
10/7/2015	Wednesday	13.46	<2.5	<10.000	51.00	123.4	<10.000	0.04740	17.28	<4.0	172.6	36.80
10/13/2015	Tuesday	20.28	<2.5	11.23	53.00	76.39	<10.000	0.03430	13.22	<4.0	153.8	4.330
10/14/2015	Wednesday	13.64	<2.5	<10.000	43.00	86.08	<10.000	0.04990	<10.000	<4.0	153.7	5.250
10/20/2015	Tuesday	13.78	<2.5	<10.000	47.00	127.4	<10.000	0.04800	18.09	<4.0	148.0	5.250
10/21/2015	Wednesday	13.46	<2.5	10.60	45.00	101.6	<10.000	0.03950	15.96	<4.0	159.9	<4.00
10/27/2015	Tuesday	14.02	<2.5	<10.000	44.00	122.7	<10.000	0.06450	12.22	<4.0	181.0	<4.00
10/28/2015	Wednesday	31.08	<2.5	<10.000	37.00	94.07	<10.000	0.04900	13.54	<4.0	148.9	4.010
11/3/2015	Tuesday	13.59	<2.5	<10.000	47.00	69.06	<10.000	0.02870	11.80	<4.0	99.35	<4.00
11/4/2015	Wednesday	13.66	<2.5	<10.000	48.00	81.03	<10.000	0.03930	<10.000	<4.0	107.9	4.830
11/9/2015	Monday	13.17	<2.5	<10.000	37.00	86.14	<10.000	0.03980	<10.000	<4.0	156.5	
11/10/2015	Tuesday	17.34										4.340
11/11/2015	Wednesday	15.07	<2.5	<10.000	20.00	107.4	<10.000	0.05940	11.76	<4.0	184.1	22.80
11/17/2015	Tuesday	12.91	<2.5	<10.000	52.00	88.62	<10.000	0.04450	11.26	<4.0	152.2	4.820
11/18/2015	Wednesday	13.03	<2.5	<10.000	57.00	87.54	<10.000	0.04680	15.83	<4.0	151.4	4.790
11/23/2015	Monday	15.36	<2.5	<10.000	40.00	64.92	<10.000	0.03920	<10.000	<4.0	121.4	
11/24/2015	Tuesday	13.55	<2.5	<10.000	57.00	112.3	<10.000	0.06200	15.90	<4.0	178.5	7.150
11/25/2015	Wednesday	13.70										6.540
12/1/2015	Tuesday	18.71	<2.5	10.28	41.00	71.06	<10.000	0.04370	14.11	<4.0	136.8	5.860

Bucklin Point Influent Metals Cd - CN 2015
all results in ppb

Date	Day of the Week	Influent Flow	Cd	TTL Cr	Hex Cr	Cu	Pb	Hg	Ni	Ag	Zn	CN
12/2/2015	Wednesday	15.80	<2.5	<10.000	45.00	93.84	<10.000	0.1060	46.78	<4.0	138.4	<4.00
12/8/2015	Tuesday	13.71	<2.5	<10.000	43.00	77.07	<10.000	0.1610	29.28	<4.0	141.6	6.570
12/9/2015	Wednesday	13.67	<2.5	<10.000	60.00	78.61	<10.000	0.03700	12.32	<4.0	150.1	5.080
12/15/2015	Tuesday	19.44	<2.5	<10.000	27.00	86.33	13.02	0.06670	15.44	<4.0	169.8	<4.00
12/16/2015	Wednesday	13.08	<2.5	<10.000	48.00	63.77	<10.000	0.02910	11.09	<4.0	117.0	4.510
12/22/2015	Tuesday	16.95	<2.5	<10.000	33.00	81.88	<10.000	0.07290	10.90	<4.0	137.2	8.370
12/23/2015	Wednesday	28.71	<2.5	<10.000	44.00	64.33	<10.000	0.04180	<10.000	<4.0	114.8	6.010
12/29/2015	Tuesday	28.40	<2.5	<10.000	43.00	70.97	<10.000	0.05280	<10.000	<4.0	133.1	5.680
12/30/2015	Wednesday	16.60	<2.5	<10.000	35.00	50.26	<10.000	0.02660	<10.000	<4.0	156.8	4.370

Bucklin Point Influent Metals Al - Sn 2015
all anayses in ppb

Date	Day of the Week	Influent Flow	Al	Fe	Se	As	Mo	Sn
1/6/2015	Tuesday	20.10	224.3	1030.0000	<1.000	1.108	2.826	<5.00
1/7/2015	Wednesday	19.20	237.7	1133.0000				<5.00
1/13/2015	Tuesday	18.37	1176.0000	1454.0000	<1.000	1.030	2.103	<5.00
1/14/2015	Wednesday	18.53	291.8	989.1				<5.00
1/20/2015	Tuesday	17.87	230.6	1073.0000	<1.000	1.101	1.166	<5.00
1/21/2015	Wednesday	17.47	276.2	1115.0000				<5.00
1/27/2015	Tuesday	15.90	192.0	966.2	<1.000	1.094	2.157	<5.00
1/28/2015	Wednesday	17.19	148.0	898.1				<5.00
2/3/2015	Tuesday	16.38	189.8	1062.0000	<1.000	1.233	4.559	<5.00
2/4/2015	Wednesday	17.19	223.1	1106.0000				<5.00
2/10/2015	Tuesday	16.31	226.2	1110.0000	<1.000	1.041	1.971	<5.00
2/11/2015	Wednesday	16.27	282.5	1229.0000				<5.00
2/17/2015	Tuesday	15.83	352.2	1209.0000	<1.000	1.089	3.332	<5.00
2/18/2015	Wednesday	16.43	259.1	1130.0000				<5.00
2/24/2015	Tuesday	15.94	417.1	1582.0000	<1.000	1.067	3.036	<5.00
2/25/2015	Wednesday	15.72	443.2	1510.0000				<5.00
3/3/2015	Tuesday	15.62	699.0	1835.0000	<1.000	1.227	2.094	<5.00
3/4/2015	Wednesday	25.18	1057.0000	2140.0000				<5.00
3/10/2015	Tuesday	21.97	913.7	2021.0000	1.041	1.204	2.460	<5.00
3/11/2015	Wednesday	32.17	1180.0000	2212.0000				<5.00
3/17/2015	Tuesday	30.62	341.2	1066.0000	<1.000	0.991	1.638	<5.00
3/18/2015	Wednesday	26.79	310.9	1026.0000				<5.00
3/24/2015	Tuesday	21.93	669.1	1018.0000	<1.000	0.860	1.822	<5.00
3/25/2015	Wednesday	22.82	266.7	1003.0000				<5.00
3/31/2015	Tuesday	26.24	314.5	846.6	<1.000	0.813	2.406	<5.00
4/1/2015	Wednesday	24.68	336.8	784.1				<5.00
4/7/2015	Tuesday	30.14	397.3	961.5	<1.000	0.920	1.805	<5.00
4/8/2015	Wednesday	24.39	350.1	1029.0000				<5.00
4/14/2015	Tuesday	22.29	251.3	1085.0000	<1.000	0.918	2.613	<5.00
4/15/2015	Wednesday	21.01	268.3	987.0				<5.00
4/21/2015	Tuesday	29.26	701.9	1639.0000	<1.000	1.119	1.787	<5.00
4/22/2015	Wednesday	24.84	241.1	998.7				<5.00
4/28/2015	Tuesday	21.89	294.2	1109.0000	<1.000	0.966	4.985	<5.00
4/29/2015	Wednesday	20.47	392.7	1125.0000				<5.00
5/5/2015	Tuesday	18.27	288.4	1136.0000	<1.000	1.024	2.096	<5.00
5/6/2015	Wednesday	18.14	332.7	1159.0000				<5.00
5/12/2015	Tuesday	20.54	508.4	1587.0000	<1.000	1.158	4.539	<5.00
5/13/2015	Wednesday	18.31	279.1	1115.0000				<5.00
5/19/2015	Tuesday	23.42	615.5	1426.0000	<1.000	1.087	13.767	<5.00
5/20/2015	Wednesday	17.89	617.8	1141.0000				<5.00
5/26/2015	Tuesday	16.64	158.7	829.1	<1.000	0.897	1.514	<5.00
5/27/2015	Wednesday	16.71	188.9	849.4				<5.00

Bucklin Point Influent Metals Al - Sn 2015
all anayses in ppb

Date	Day of the Week	Influent Flow	Al	Fe	Se	As	Mo	Sn
6/2/2015	Tuesday	27.67	375.3	1146.0000	<1.000	0.965	2.056	<5.00
6/3/2015	Wednesday	17.74	281.1	1156.0000				<5.00
6/9/2015	Tuesday	16.16	190.3	876.2	<1.000	1.087	26.257	<5.00
6/10/2015	Wednesday	15.20	338.8	1239.0000				<5.00
6/16/2015	Tuesday	16.43	330.1	1257.0000	<1.000	1.104	2.675	<5.00
6/17/2015	Wednesday	15.06	305.1	1229.0000				<5.00
6/23/2015	Tuesday	16.96	292.1	1114.0000	<1.000	1.307	3.191	<5.00
6/24/2015	Wednesday	15.50	370.1	1293.0000				<5.00
6/30/2015	Tuesday	16.04	183.7	917.3	<1.000	1.115	2.716	<5.00
7/1/2015	Wednesday	25.59	275.0	1008.0000				<5.00
7/7/2015	Tuesday	15.62	311.5	1394.0000	<1.000	1.125	2.285	<5.00
7/8/2015	Wednesday	21.82	294.6	1291.0000				<5.00
7/14/2015	Tuesday	19.23	243.3	1070.0000	<1.000	1.057	1.548	<5.00
7/15/2015	Wednesday	19.03	811.4	2160.0000				<5.00
7/21/2015	Tuesday	14.45	268.6	1183.0000	<1.000	1.185	2.715	<5.00
7/22/2015	Wednesday	14.06	297.5	1275.0000				<5.00
7/28/2015	Tuesday	16.15	815.9	1154.0000	<1.000	1.440	3.140	<5.00
7/29/2015	Wednesday	13.80	462.3	1250.0000				<5.00
8/4/2015	Tuesday	21.67	365.6	1144.0000	<1.000	1.359	3.576	<5.00
8/5/2015	Wednesday	13.74	310.7	1284.0000				<5.00
8/6/2015	Thursday	13.55	1197.0000	1279.0000	<1.000	1.587	9.576	<5.00
8/11/2015	Tuesday	27.62	600.5	1621.0000	<1.000	1.355	1.827	<5.00
8/12/2015	Wednesday	13.62	552.9	1613.0000				<5.00
8/18/2015	Tuesday	13.75	322.1	1322.0000	<1.000	1.331	5.729	<5.00
8/19/2015	Wednesday	13.33	364.8	1331.0000				<5.00
8/25/2015	Tuesday	13.14	216.4	1003.0000	<1.000	1.001	1.902	<5.00
8/26/2015	Wednesday	12.59	388.4	1431.0000				<5.00
9/1/2015	Tuesday	12.87	349.6	1011.0000	<1.000	1.217	3.116	<5.00
9/2/2015	Wednesday	13.54	219.4	1004.0000				<5.00
9/8/2015	Tuesday	12.56	390.7	1164.0000	1.090	1.2654	2.077	<5.00
9/9/2015	Wednesday	13.60	553.1	1332.0000				<5.00
9/15/2015	Tuesday	12.22	401.7	1377.0000	<1.000	1.369	2.468	<5.00
9/16/2015	Wednesday	12.27	431.8	1369.0000				<5.00
9/22/2015	Tuesday	12.34	530.7	1409.0000	<1.000	1.267	2.650	<5.00
9/23/2015	Wednesday	11.96	595.9	1579.0000				<5.00
9/29/2015	Tuesday	13.20	251.6	1025.0000	<1.000	1.345	11.010	<5.00
9/30/2015	Wednesday	49.82	971.2	2061.0000				<5.00
10/6/2015	Tuesday	13.31	392.8	1319.0000	<1.000	1.181	8.090	<5.00
10/7/2015	Wednesday	13.46	388.7	1562.0000				<5.00
10/13/2015	Tuesday	20.28	481.3	1350.0000	<1.000	1.138	1.749	<5.00
10/14/2015	Wednesday	13.64	347.9	1202.0000				<5.00
10/20/2015	Tuesday	13.78	345.3	1230.0000	<1.000	1.384	2.557	<5.00

Bucklin Point Influent Metals Al - Sn 2015
all anayses in ppb

Date	Day of the Week	Influent Flow	Al	Fe	Se	As	Mo	Sn
10/21/2015	Wednesday	13.46	411.5	1290.0000				<5.00
10/27/2015	Tuesday	14.02	459.7	1364.0000	<1.000	1.283	5.763	<5.00
10/28/2015	Wednesday	31.08	361.2	1311.0000				<5.00
11/3/2015	Tuesday	13.59	202.2	907.0	<1.000	1.235	5.978	<5.00
11/4/2015	Wednesday	13.66	213.2	980.1				<5.00
11/9/2015	Monday	13.17	388.9	1230.0000	<1.000	1.298	1.673	<5.00
11/11/2015	Wednesday	15.07	657.8	1523.0000				<5.00
11/17/2015	Tuesday	12.91	1355.0000	1395.0000	<1.000	1.420	2.940	<5.00
11/18/2015	Wednesday	13.03	493.1	1419.0000				<5.00
11/23/2015	Monday	15.36	349.6	1185.0000	<1.000	1.084	1.458	<5.0
11/24/2015	Tuesday	13.55	434.0	1398.0000				<5.0
12/1/2015	Tuesday	18.71	274.5	1126.0000	<1.000	1.327	3.093	<5.00
12/2/2015	Wednesday	15.80	370.0	1272.0000				<5.00
12/8/2015	Tuesday	13.71	422.3	1364.0000	<1.000	1.441	3.344	<5.00
12/9/2015	Wednesday	13.67	438.1	1496.0000				<5.00
12/15/2015	Tuesday	19.44	887.2	1704.0000	<1.000	1.329	2.516	<5.00
12/16/2015	Wednesday	13.08	359.3	1297.0000				<5.00
12/22/2015	Tuesday	16.95	1145.0000	1542.0000	<1.000	1.454	7.022	<5.00
12/23/2015	Wednesday	28.71	347.5	1353.0000				<5.00
12/29/2015	Tuesday	28.40	619.5	1358.0000	<1.000	1.306	3.355	<5.00
12/30/2015	Wednesday	16.60	351.1	1048.0000				<5.00

Bucklin Point Effluent Metals Cd - CN 2015
all analyses in ppb

Date	Day of the Week	Effluent Flow	Cd	TTL Cr	Hex Cr	Cu	Pb	Hg	Ni	Ag	Zn	CN
1/6/2015	Tuesday	20.10	<0.040	0.872	<10.000	6.025	0.539	0.004560	4.750	0.060	35.663	<4.00
1/7/2015	Wednesday	19.20	0.042	1.271	<10.000	5.589	0.568	0.003560	6.100	0.051	36.780	<4.00
1/13/2015	Tuesday	18.37	0.045	0.811	<10.000	7.719	0.517	0.002460	8.628	0.058	40.237	6.160
1/14/2015	Wednesday	18.53	0.047	0.862	<10.000	7.576	0.531	0.004170	15.613	0.065	39.843	7.670
1/20/2015	Tuesday	17.87	0.050	0.989	<10.000	8.160	0.526	0.004180	4.983	0.058	45.203	<4.00
1/21/2015	Wednesday	17.47	0.050	1.093	<10.000	7.542	0.505	0.003740	5.776	0.053	45.727	4.230
1/27/2015	Tuesday	15.90	<0.040	0.668	<10.000	7.282	0.456	0.003120	5.204	0.048	38.947	8.960
1/28/2015	Wednesday	17.19	0.045	0.518	<10.000	7.384	0.415	0.002880	4.186	0.046	35.467	<4.00
2/3/2015	Tuesday	16.38	0.079	0.739	<10.000	8.396	0.445	0.002960	4.154	0.052	38.850	5.680
2/4/2015	Wednesday	17.19	0.052	0.852	<10.000	8.400	0.449	0.002550	4.568	0.071	40.087	4.940
2/10/2015	Tuesday	16.31	0.047	0.744	<10.000	6.977	0.408	0.003180	4.072	0.053	35.703	6.180
2/11/2015	Wednesday	16.27	0.046	1.204	<10.000	7.862	0.409	0.002820	5.716	0.072	37.697	5.810
2/17/2015	Tuesday	15.83	0.045	0.828	<10.000	7.568	0.396	0.003270	6.320	0.045	36.307	
2/18/2015	Wednesday	16.43	0.047	0.850	<10.000	7.429	0.427	0.003380	8.340	0.048	41.440	4.880
2/19/2015	Thursday	15.85										5.150
2/24/2015	Tuesday	15.94	0.053	1.063	<10.000	7.536	0.470	0.002940	9.130	0.064	45.897	5.920
2/25/2015	Wednesday	15.72	0.049	1.131	<10.000	7.070	0.486	0.002390	8.550	0.068	50.067	
2/26/2015	Thursday	15.82										5.130
3/3/2015	Tuesday	15.62	0.053	1.294	<10.000	10.550	0.467	0.002730	8.564	0.068	42.370	8.470
3/4/2015	Wednesday	25.18	0.050	1.358	<10.000	8.439	0.523	0.004030	7.050	0.062	45.843	7.050
3/10/2015	Tuesday	21.97	0.053	0.947	<10.000	7.724	0.586	0.003650	6.955	0.070	41.377	5.020
3/11/2015	Wednesday	31.79	0.071	3.256	<10.000	17.077	1.948	0.01200	7.188	0.291	48.197	4.260
3/17/2015	Tuesday	30.62	0.051	1.393	<10.000	5.902	0.674	0.01920	4.556	0.068	39.467	6.970
3/18/2015	Wednesday	26.79	0.061	0.851	<10.000	4.756	0.534	0.003050	4.783	0.051	39.317	<4.00
3/24/2015	Tuesday	21.93	0.088	0.791	<10.000	6.114	0.603	0.002860	6.404	0.047	41.570	4.650
3/25/2015	Wednesday	22.82	0.080	0.707	<10.000	6.271	0.547	0.009210	6.209	0.042	40.313	6.450
3/31/2015	Tuesday	26.24	0.060	0.519	<10.000	5.527	0.470	0.002580	5.027	0.034	37.783	6.290
4/1/2015	Wednesday	24.68	0.066	0.724	<10.000	6.783	0.470	0.003410	6.893	0.034	37.393	5.000
4/7/2015	Tuesday	30.14	0.060	0.848	11.00	6.954	0.533	0.003110	5.321	0.042	36.013	4.670
4/8/2015	Wednesday	24.39	0.053	0.900	<10.000	7.752	0.526	0.002870	5.282	0.030	39.533	4.140
4/14/2015	Tuesday	22.29	0.052	0.552	<10.000	4.598	0.483	0.002690	4.676	0.020	35.480	<4.00
4/15/2015	Wednesday	21.01	0.050	0.566	<10.000	5.159	0.510	0.002810	5.559	0.035	37.437	<4.00
4/21/2015	Tuesday	28.97	<0.040	0.725	<10.000	5.371	0.459	0.002760	4.534	0.044	31.370	4.290
4/22/2015	Wednesday	24.84	0.064	0.627	<10.000	4.301	0.452	0.002540	5.666	0.034	33.957	4.090
4/28/2015	Tuesday	21.89	0.052	0.624	<10.000	4.910	0.505	0.003990	5.687	0.036	36.170	<4.00
4/29/2015	Wednesday	20.47	0.069	0.664	<10.000	5.701	0.585	0.004110	7.518	0.042	37.917	<4.00
5/5/2015	Tuesday	18.27	0.055	0.775	<10.000	5.202	0.533	0.003950	6.203	0.039	36.423	5.730
5/6/2015	Wednesday	18.14	0.052	0.660	<10.000	5.474	0.520	0.004030	6.406	0.052	36.023	<4.00
5/12/2015	Tuesday	20.54	0.100	0.624	<10.000	5.342	0.407	0.004730	5.547	0.066	33.480	5.140
5/13/2015	Wednesday	18.31	<0.040	0.648	<10.000	6.631	0.398	0.004330	5.955	0.066	33.437	7.600
5/19/2015	Tuesday	23.42	0.088	1.515	<10.000	7.633	0.567	0.006450	5.130	0.089	34.687	6.360
5/20/2015	Wednesday	17.89	0.041	0.973	<10.000	5.970	0.464	0.003670	7.982	0.070	36.347	6.080
5/26/2015	Tuesday	16.64	0.047	0.573	<10.000	7.122	0.357	0.003970	4.091	0.042	36.937	4.020
5/27/2015	Wednesday	16.71	0.048	0.605	<10.000	6.710	0.343	0.003220	4.985	0.071	37.583	4.600
6/2/2015	Tuesday	27.67	0.042	0.914	<10.000	8.102	0.479	0.004020	6.156	0.065	39.390	4.010
6/3/2015	Wednesday	17.74	0.16	0.730	<10.000	8.317	0.722	0.003670	9.023	0.066	43.987	<4.00

Bucklin Point Effluent Metals Cd - CN 2015
all analyses in ppb

Date	Day of the Week	Effluent Flow	Cd	TTL Cr	Hex Cr	Cu	Pb	Hg	Ni	Ag	Zn	CN
6/9/2015	Tuesday	16.16	<0.040	0.535	56.00	6.038	0.350	0.005090	29.500	0.047	28.923	<4.00
6/10/2015	Wednesday	15.20	<0.040	0.546	<10.000	6.619	0.330	0.002980	30.697	0.042	28.370	<4.00
6/16/2015	Tuesday	16.43	0.063	1.535	75.00	6.188	0.378	0.002300	12.950	0.055	31.487	4.190
6/17/2015	Wednesday	15.06	0.091	1.383	<10.000	5.943	0.390	0.003660	14.643	0.047	33.040	6.030
6/23/2015	Tuesday	16.96	<0.040	0.734	<10.000	6.167	0.359	0.005390	6.922	0.036	30.993	5.650
6/24/2015	Wednesday	15.50	<0.040	0.727	<10.000	6.111	0.386	0.004580	6.426	0.038	30.003	5.170
6/30/2015	Tuesday	16.04	0.16	0.698	<10.000	5.956	0.426	0.004230	4.702	0.056	45.490	4.330
7/1/2015	Wednesday	24.04	0.053	0.879	<10.000	8.375	0.608	0.004060	4.669	0.058	38.273	4.030
7/7/2015	Tuesday	15.62	<0.040	0.537	<10.000	5.390	0.327	0.003660	3.814	0.040	25.910	5.210
7/8/2015	Wednesday	21.29	<0.040	0.749	<10.000	6.259	0.422	0.006290	5.816	0.043	34.003	4.540
7/14/2015	Tuesday	19.23	0.11	0.783	<10.000	7.659	0.505	0.005510	5.153	0.064	42.500	4.020
7/15/2015	Wednesday	19.03	0.10	0.743	<10.000	7.030	0.448	0.005390	4.266	0.053	37.723	8.210
7/21/2015	Tuesday	14.45	0.054	0.571	<10.000	8.537	0.405	0.005580	19.987	0.068	32.173	54.30
7/22/2015	Wednesday	14.06	0.076	0.808	<10.000	8.539	0.469	0.005170	35.867	0.061	36.530	7.190
7/28/2015	Tuesday	16.15	0.080	1.184	<10.000	11.280	0.568	0.008730	10.187	0.087	39.700	7.230
7/29/2015	Wednesday	13.80	0.071	1.091	<10.000	10.420	0.533	0.004820	9.589	0.088	40.460	
7/31/2015	Friday	13.80										5.350
8/5/2015	Wednesday	13.74	0.042	1.026	<10.000	9.361	0.682	0.006980	9.254	0.105	40.653	6.490
8/6/2015	Thursday	13.55	0.093	1.674	<10.000	9.035	0.585	0.005760	8.157	0.093	38.023	5.350
8/11/2015	Tuesday	23.86	0.36	0.843	<10.000	9.754	0.619	0.005200	4.771	0.093	44.437	5.330
8/12/2015	Wednesday	13.62	0.097	0.733	<10.000	9.634	0.540	0.006180	5.848	0.069	42.990	6.920
8/18/2015	Tuesday	13.75	0.10	0.804	<10.000	11.957	0.550	0.006360	5.640	0.082	44.110	5.380
8/19/2015	Wednesday	13.33	0.10	1.095	<10.000	12.217	0.522	0.004280	5.918	0.086	45.717	6.010
8/25/2015	Tuesday	13.14	0.066	0.578	<10.000	12.890	0.520	0.004680	4.952	0.107	41.357	<4.00
8/26/2015	Wednesday	12.59	0.070	0.688	<10.000	13.383	0.578	0.005200	5.409	0.110	41.417	<4.00
9/1/2015	Tuesday	12.87	0.082	0.744	<10.000	12.270	0.526	0.007070	6.067	0.100	40.287	
9/2/2015	Wednesday	13.54	0.11	0.869	<10.000	12.210	0.535	0.006480	6.044	0.103	41.110	
9/3/2015	Thursday	12.29										<4.00
9/4/2015	Friday	12.35										<4.00
9/8/2015	Tuesday	12.56	0.082	0.520	<10.000	10.052	0.476	0.003790	3.940	0.064	42.517	<4.00
9/9/2015	Wednesday	13.60	0.080	0.625	<10.000	10.203	0.418	0.003280	4.597	0.070	38.527	<4.00
9/15/2015	Tuesday	12.22	0.079	0.716	<10.000	10.153	0.458	0.004270	7.015	0.064	41.820	<4.00
9/16/2015	Wednesday	12.27	0.055	1.006	<10.000	10.920	0.467	0.003050	6.411	0.064	40.287	<4.00
9/22/2015	Tuesday	12.34	0.11	0.590	<10.000	11.773	0.549	0.002960	5.801	0.082	41.917	<4.00
9/23/2015	Wednesday	11.96	0.078	0.656	<10.000	12.117	0.467	0.003970	5.394	0.082	36.377	<4.00
9/29/2015	Tuesday	13.20	0.068	0.553	<10.000	12.397	0.522	0.002710	6.237	0.068	38.977	<4.00
9/30/2015	Wednesday	32.06	0.090	0.740	<10.000	10.400	0.539	0.006220	3.583	0.095	26.723	<4.00
10/6/2015	Tuesday	13.31	0.068	0.546	<10.000	13.750	0.449	0.004000	4.166	0.077	39.917	<4.00
10/7/2015	Wednesday	13.46	0.059	0.579	<10.000	13.220	0.413	0.003360	4.492	0.076	36.457	<4.00
10/13/2015	Tuesday	20.28	0.054	0.459	<10.000	9.905	0.401	0.003710	2.911	0.061	35.893	<4.00
10/14/2015	Wednesday	13.64	0.048	0.653	<10.000	9.722	0.368	0.004070	3.735	0.049	36.607	<4.00
10/20/2015	Tuesday	13.78	0.067	0.575	<10.000	14.393	0.371	0.003470	6.546	0.051	38.770	<4.00
10/21/2015	Wednesday	13.46	0.058	0.629	<10.000	14.027	0.340	0.002730	5.665	0.052	34.813	<4.00
10/27/2015	Tuesday	14.02	0.072	0.728	<10.000	12.140	0.454	0.003320	4.854	0.076	40.370	<4.00
10/28/2015	Wednesday	25.62	0.079	1.087	<10.000	14.653	0.970	0.008450	5.224	0.141	39.093	7.250
11/3/2015	Tuesday	13.59	0.057	0.628	<10.000	11.430	0.429	0.004950	6.270	0.072	39.170	<4.00

Bucklin Point Effluent Metals Cd - CN 2015
all analyses in ppb

Date	Day of the Week	Effluent Flow	Cd	TTL Cr	Hex Cr	Cu	Pb	Hg	Ni	Ag	Zn	CN
11/4/2015	Wednesday	13.66	0.053	0.790	<10.000	11.970	0.475	0.006560	5.913	0.070	40.440	<4.00
11/9/2015	Monday	13.17	0.047	0.588	<10.000	12.220	0.421	0.004100	9.169	0.088	38.763	
11/10/2015	Tuesday	17.34										6.390
11/11/2015	Wednesday	15.07	0.043	0.713	<10.000	8.936	0.419	0.002650	6.855	0.070	52.803	<4.00
11/17/2015	Tuesday	12.91	<0.040	0.851	<10.000	9.758	0.399	0.002790	5.994	0.070	35.930	4.660
11/18/2015	Wednesday	13.03	0.041	0.890	<10.000	9.807	0.389	0.003040	7.364	0.065	34.190	4.670
11/23/2015	Monday	15.36	<0.040	0.674	<10.000	8.298	0.391	0.005900	5.422	0.066	34.237	
11/24/2015	Tuesday	13.55	<0.040	0.746	<10.000	9.680	0.426	0.003620	6.649	0.063	37.667	<4.00
11/25/2015	Wednesday	13.70										<4.00
12/1/2015	Tuesday	18.71	0.047	0.718	<10.000	8.737	0.449	0.002740	5.229	0.056	36.693	<4.00
12/2/2015	Wednesday	15.80	<0.040	0.736	<10.000	7.267	0.383	0.003350	5.926	0.049	33.720	<4.00
12/8/2015	Tuesday	13.71	0.031	0.816	<10.000	7.809	0.347	0.004670	6.096	0.052	35.092	4.180
12/9/2015	Wednesday	13.67	0.037	0.913	<10.000	8.215	0.389	0.002670	7.626	0.052	37.580	4.410
12/15/2015	Tuesday	17.01	0.058	0.668	<10.000	5.821	0.359	0.003540	4.114	0.043	30.159	<4.00
12/16/2015	Wednesday	13.08	0.023	0.837	<10.000	6.452	0.438	0.003020	5.160	0.045	36.933	<4.00
12/22/2015	Tuesday	16.95	0.031	0.680	<10.000	5.951	0.528	0.004010	5.525	0.041	41.694	4.270
12/23/2015	Wednesday	22.49	0.023	1.008	<10.000	7.237	0.596	0.004910	4.571	0.061	36.833	4.770
12/29/2015	Tuesday	27.19	0.022	1.159	<10.000	6.617	0.746	0.005720	4.028	0.087	31.043	4.200
12/30/2015	Wednesday	16.60	0.026	1.193	<10.000	5.752	0.618	0.005300	4.285	0.071	36.869	5.060

Bucklin Point Effluent Metals Al - Sn 2015
all analyses in ppb

Date	Day of the Week	Effluent Flow	Al	Fe	Se	As	Mo	Sn
1/6/2015	Tuesday	20.10	22.273	116.300	<1.000	0.949	2.281	<5.00
1/7/2015	Wednesday	19.20	19.553	102.533				<5.00
1/13/2015	Tuesday	18.37	27.687	120.100				<5.00
1/14/2015	Wednesday	18.53	27.120	119.333				<5.00
1/20/2015	Tuesday	17.87	24.630	110.133				<5.00
1/21/2015	Wednesday	17.47	22.553	110.567				<5.00
1/27/2015	Tuesday	15.90	21.880	104.300				<5.00
1/28/2015	Wednesday	17.19	22.110	104.300				<5.00
2/3/2015	Tuesday	16.38	20.833	108.567	<1.000	1.015	3.114	<5.00
2/4/2015	Wednesday	17.19	26.170	109.100				<5.00
2/10/2015	Tuesday	16.31	19.440	108.500				<5.00
2/11/2015	Wednesday	16.27	20.757	116.367				<5.00
2/17/2015	Tuesday	15.83	21.380	103.300				<5.00
2/18/2015	Wednesday	16.43	19.380	98.360				<5.00
2/24/2015	Tuesday	15.94	21.037	105.100				<5.00
2/25/2015	Wednesday	15.72	16.977	99.020				<5.00
3/3/2015	Tuesday	15.62	18.840	99.967	<1.000	0.920	1.706	<5.00
3/4/2015	Wednesday	25.18	27.990	159.000				<5.00
3/10/2015	Tuesday	21.97	23.653	119.333				<5.00
3/11/2015	Wednesday	31.79	136.633	498.800				<5.00
3/17/2015	Tuesday	30.62	37.567	155.567				<5.00
3/18/2015	Wednesday	26.79	26.987	105.800				<5.00
3/24/2015	Tuesday	21.93	28.000	115.167				<5.00
3/25/2015	Wednesday	22.82	22.163	92.580				<5.00
3/31/2015	Tuesday	26.24	21.443	88.343				<5.00
4/1/2015	Wednesday	24.68	24.730	101.133				<5.00
4/7/2015	Tuesday	30.14	30.223	128.667	<1.000	0.854	1.430	<5.00
4/8/2015	Wednesday	24.39	27.623	119.833				<5.00
4/14/2015	Tuesday	22.29	16.227	85.670				<5.00
4/15/2015	Wednesday	21.01	19.047	98.540				<5.00
4/21/2015	Tuesday	28.97	20.970	116.900				<5.00
4/22/2015	Wednesday	24.84	22.267	102.433				<5.00
4/28/2015	Tuesday	21.89	18.560	96.350				<5.00
4/29/2015	Wednesday	20.47	23.480	104.933				<5.00
5/5/2015	Tuesday	18.27	17.547	96.053	<1.000	0.941	1.791	<5.00
5/6/2015	Wednesday	18.14	18.310	96.743				<5.00
5/12/2015	Tuesday	20.54	16.257	101.800				<5.00
5/13/2015	Wednesday	18.31	35.950	95.810				<5.00
5/19/2015	Tuesday	23.42	27.460	170.200				<5.00

Bucklin Point Effluent Metals Al - Sn 2015
all analyses in ppb

Date	Day of the Week	Effluent Flow	Al	Fe	Se	As	Mo	Sn
5/20/2015	Wednesday	17.89	19.527	115.367				<5.00
5/26/2015	Tuesday	16.64	14.970	90.127				<5.00
5/27/2015	Wednesday	16.71	19.380	99.807				<5.00
6/2/2015	Tuesday	27.67	27.407	127.400				<5.00
6/3/2015	Wednesday	17.74	18.277	95.257				<5.00
6/9/2015	Tuesday	16.16	12.417	95.283	<1.000	0.904	8.808	<5.00
6/10/2015	Wednesday	15.20	10.653	87.510				<5.00
6/16/2015	Tuesday	16.43	14.213	105.033				<5.00
6/17/2015	Wednesday	15.06	15.323	113.967				<5.00
6/23/2015	Tuesday	16.96	12.123	99.560				<5.00
6/24/2015	Wednesday	15.50	11.013	106.900				<5.00
6/30/2015	Tuesday	16.04	13.440	96.110		0.953		<5.00
7/1/2015	Wednesday	24.04	23.373	167.200				<5.00
7/7/2015	Tuesday	15.62	11.463	111.533	<1.000	0.955	1.466	<5.00
7/8/2015	Wednesday	21.29	15.017	95.600				<5.00
7/14/2015	Tuesday	19.23	16.307	93.663				<5.00
7/15/2015	Wednesday	19.03	16.137	81.327				<5.00
7/21/2015	Tuesday	14.45	13.613	89.107				<5.00
7/22/2015	Wednesday	14.06	16.060	95.680				<5.00
7/28/2015	Tuesday	16.15	24.797	156.767		1.595		<5.00
7/29/2015	Wednesday	13.80	23.130	121.800				<5.00
8/5/2015	Wednesday	13.74	26.473	129.733				<5.00
8/6/2015	Thursday	13.55	22.697	102.867				<5.00
8/11/2015	Tuesday	23.86	29.097	135.967				<5.00
8/12/2015	Wednesday	13.62	23.390	98.333				<5.00
8/18/2015	Tuesday	13.75	19.933	100.567	<1.000	1.245	5.073	<5.00
8/19/2015	Wednesday	13.33	20.740	99.443				<5.00
8/25/2015	Tuesday	13.14	19.110	108.567		1.188		<5.00
8/26/2015	Wednesday	12.59	21.950	116.167				<5.00
9/1/2015	Tuesday	12.87	19.940	99.077				<5.00
9/2/2015	Wednesday	13.54	21.627	102.567				<5.00
9/8/2015	Tuesday	12.56	14.827	79.247				<5.00
9/9/2015	Wednesday	13.60	13.237	76.343				<5.00
9/15/2015	Tuesday	12.22	13.940	68.167	<1.000	1.133	1.405	<5.00
9/16/2015	Wednesday	12.27	13.797	73.533				<5.00
9/22/2015	Tuesday	12.34	15.527	91.507				<5.00
9/23/2015	Wednesday	11.96	17.507	93.673				<5.00
9/29/2015	Tuesday	13.20	16.347	111.900				<5.00
9/30/2015	Wednesday	32.06	28.657	125.633				<5.00
10/6/2015	Tuesday	13.31	25.747	116.467	<1.000	1.263	4.475	<5.00
10/7/2015	Wednesday	13.46	15.193	95.103				<5.00

Bucklin Point Effluent Metals Al - Sn 2015
all analyses in ppb

Date	Day of the Week	Effluent Flow	Al	Fe	Se	As	Mo	Sn
10/13/2015	Tuesday	20.28	15.353	91.687				<5.00
10/14/2015	Wednesday	13.64	14.330	79.240				<5.00
10/20/2015	Tuesday	13.78	19.027	97.570				<5.00
10/21/2015	Wednesday	13.46	19.110	92.090				<5.00
10/27/2015	Tuesday	14.02	19.547	95.227		1.075		<5.00
10/28/2015	Wednesday	25.62	49.690	177.000				<5.00
11/3/2015	Tuesday	13.59	18.950	98.773	<1.000	1.076	5.274	<5.00
11/4/2015	Wednesday	13.66	21.293	103.967				<5.00
11/9/2015	Monday	13.17	18.020	105.433				<5.00
11/11/2015	Wednesday	15.07	17.670	91.920				<5.00
11/17/2015	Tuesday	12.91	19.977	109.967		1.083		<5.00
11/18/2015	Wednesday	13.03	19.643	105.267				<5.00
11/23/2015	Monday	15.36	17.733	89.953				<5.00
11/24/2015	Tuesday	13.55	19.410	92.397				<5.00
12/1/2015	Tuesday	18.71	22.240	111.133				<5.00
12/2/2015	Wednesday	15.80	17.033	85.137				<5.00
12/8/2015	Tuesday	13.71	15.637	78.241	0.301	1.004	1.620	<5.0
12/9/2015	Wednesday	13.67	17.052	78.550				<5.0
12/15/2015	Tuesday	17.01	23.366	79.436				<5.0
12/16/2015	Wednesday	13.08	21.783	70.563				<5.0
12/22/2015	Tuesday	16.95	27.217	90.842				<5.00
12/23/2015	Wednesday	22.49	29.830	122.079				<5.00
12/29/2015	Tuesday	27.19	40.186	161.023				<5.00
12/30/2015	Wednesday	16.60	28.587	116.319				<5.00

Field's Point Influent and Effluent Nutrients 2015

Field's Point Influent Nutrients

Date	Nitrite $N\text{-}NO_2$ ppm	Nitrate $N\text{-}NO_3$ ppm	NitrateNitrite $N\text{-}NO_3NO_2$ ppm	Ammonia $N\text{-}NH_3$ ppm	TKN N-TKN ppm	Total Phosphorus ppm	Total Nitrogen ppm
1/5/2015	0.23	0.382	0.612	20.4	27.9	3.09	28.512
1/6/2015	0.153	0.328	0.481	20.3	29.7	2.7	30.181
1/7/2015	0.135	0.254	0.389	21.6	31	4.61	31.389
1/12/2015	0.1	0.52	0.62	18.9	27.6	3.01	28.22
1/13/2015	0.144	0.401	0.545	21.1	29.5	3.03	30.045
1/14/2015	0.155	0.328	0.483	20.6	22.6	3.4	23.083
1/19/2015	0.14	0.524	0.664	23.3	32.1	3.34	32.764
1/20/2015	0.118	0.257	0.375	25.6	32.4	3.5	32.775
1/21/2015	0.104	0.173	0.277	25.2	34.2	3.88	34.477
1/26/2015	0.101	0.21	0.311	28.3	34.7	3.38	35.011
1/27/2015	0.131	0.22	0.351	19	25.9	4.06	26.251
1/28/2015	0.113	0.162	0.275	23.6	33	3.81	33.275
2/2/2015	0.0855	0.1165	0.202	30.1	41.8	3.61	42.002
2/3/2015	0.0921	0.1379	0.23	24.7	35.8	3.49	36.03
2/4/2015	0.0957	0.1143	0.21	24.9	34.6	3.78	34.81
2/9/2015	0.0981	0.1689	0.267	29.6	37.1	4.7	37.367
2/10/2015	0.086	0.159	0.245	27.2	34.8	4.42	35.045
2/11/2015	0.0838	0.1832	0.267	24.7	30.6	4.69	30.867
2/16/2015	0.0516	0.3254	0.377	25.9	36.5	3.96	36.877
2/17/2015	0.107	<0.1	0.192	24.6	31.5	4.41	31.692
2/18/2015	0.105	<0.1	0.197	23.9	27	4.26	27.197
2/23/2015	0.201	0.243	0.444	26.1	36.6	3.89	37.044
2/24/2015	0.218	0.183	0.401	29.9	40.7	3.95	41.101
2/25/2015	0.191	0.112	0.303	28.7	29.4	4.48	29.703
3/2/2015	0.142	0.323	0.465	23.1	25.3	4.09	25.765
3/3/2015	0.108	0.32	0.428	25.7	27	4.27	27.428
3/4/2015	0.0772	0.5738	0.651	20.4	25.6	3.51	26.251
3/9/2015	0.0723	0.4397	0.512	19.7	29.8	3.58	30.312
3/10/2015	0.0774	0.6266	0.704	13	17.3	2.8	18.004
3/11/2015	0.0803	0.8987	0.979	13.4	19.4	2.31	20.379
3/16/2015	0.0647	1.3553	1.42	11.7	16.7	2.11	18.12
3/17/2015	0.0624	1.3076	1.37	9.65	13.9	2.36	15.27
3/18/2015	0.0971	1.3529	1.45	11.3	15.7	2.28	17.15
3/23/2015	0.22	1.18	1.4	14.8	21.1	2.62	22.5
3/24/2015	0.207	1.013	1.22	12.5	17.3	3.03	18.52
3/25/2015	0.191	0.929	1.12	12.6	16.8	3.85	17.92

Field's Point Effluent Nutrients

Date	Nitrite $N\text{-}NO_2$ ppm	Nitrate $N\text{-}NO_3$ ppm	NitrateNitrite $N\text{-}NO_3NO_2$ ppm	Ammonia $N\text{-}NH_3$ ppm	TKN N-TKN ppm	Total Phosphorus ppm	Total Nitrogen ppm
1/5/2015	0.335	5.265	5.6	4.75	6.03	1.21	11.63
1/6/2015	0.237	5.413	5.65	4.59	5.94	1.37	11.59
1/7/2015	0.215	5.945	6.16	3.55	4.98	1.5	11.14
1/12/2015	0.209	6.211	6.42	4.27	5.51	1.5	11.93
1/13/2015	0.308	5.072	5.38	4.49	5.27	1.2	10.65
1/14/2015	0.266	4.854	5.12	4.12	5.12	1.27	10.24
1/19/2015	0.34	3.27	3.61	5.93	7.01	1.15	10.62
1/20/2015	0.311	3.219	3.53	7.49	8.6	0.986	12.13
1/21/2015	0.216	3.034	3.25	6.84	7.87	1.3	11.12
1/26/2015	0.206	3.004	3.21	9.06	10.3	1.29	13.51
1/27/2015	0.132	5.198	5.33	2.83	3.78	0.821	9.11
1/28/2015	0.17	3.12	3.29	4.58	5.66	1.56	8.95
2/2/2015	0.16	2.98	3.14	8.35	9.32	1.37	12.46
2/3/2015	0.154	3.046	3.2	7.73	8.72	1.21	11.92
2/4/2015	0.119	2.511	2.63	7.21	8.26	1.71	10.89
2/9/2015	0.153	2.607	2.76	9.19	10.6	2.03	13.36
2/10/2015	0.155	2.965	3.12	10.1	11.7	1.76	14.82
2/11/2015	0.132	1.558	1.69	8.19	10.3	2.31	11.99
2/16/2015	0.113	1.887	2	9.04	10.2	1.96	12.2
2/17/2015	0.126	1.804	1.93	8.91	9.89	2.16	11.82
2/18/2015	0.133	1.687	1.82	5.42	6.31	1.87	8.13
2/23/2015	0.135	1.155	1.29	10.9	12.6	1.72	13.89
2/24/2015	0.125	0.713	0.838	12.1	13.2	1.35	14.038
2/25/2015	0.119	0.747	0.866	13.1	15	1.23	15.866
3/2/2015	0.128	1.322	1.45	10.3	12	1.99	13.45
3/3/2015	0.102	1.408	1.51	11.3	12.7	1.98	14.21
3/4/2015	0.148	3.602	3.75	9.08	9.82	0.937	13.57
3/9/2015	0.164	2.966	3.13	6.56	7.94	1.71	11.07
3/10/2015	0.173	4.387	4.56	3.91	4.94	1.17	9.5
3/11/2015	0.137	6.023	6.16	4.31	5.01	0.527	11.17
3/16/2015	0.139	3.101	3.24	6.63	7.84	0.611	11.08
3/17/2015	0.0968	4.6332	4.73	2.84	3.41	0.327	8.14
3/18/2015	0.179	4.351	4.53	3.79	4.3	0.265	8.83
3/23/2015	0.173	3.257	3.43	4.88	5.7	0.748	9.13
3/24/2015	0.0912	2.9488	3.04	2.32	3.17	0.923	6.21
3/25/2015	0.0575	2.9525	3.01	1.71	2.54	0.799	5.55

Table 13: Field's Point Influent and Effluent Nutrients

Field's Point Influent and Effluent Nutrients 2015

Field's Point Influent Nutrients

Date	Nitrite $N-NO_2$ ppm	Nitrate $N-NO_3$ ppm	NitrateNitrite $N-NO_3NO_2$ ppm	Ammonia $N-NH_3$ ppm	TKN N-TKN ppm	Total Phosphorus ppm	Total Nitrogen ppm
3/30/2015	0.283	1.137	1.42	13.4	17.6	2.76	19.02
3/31/2015	0.282	1.028	1.31	12.1	16.6	2.68	17.91
4/1/2015	0.319	1.051	1.37	12.8	21.3	3.1	22.67
4/6/2015	0.156	0.838	0.994	15.4	20.5	3.08	21.494
4/7/2015	0.0891	0.7749	0.864	10.1	16.7	2.52	17.564
4/8/2015	0.103	0.749	0.852	12.3	17	3.13	17.852
4/13/2015	0.0795	0.5915	0.671	15.8	17	2.97	17.671
4/14/2015	0.105	0.486	0.591	16.9	18.1	3.33	18.691
4/15/2015	0.12	0.497	0.617	14.8	20.6	3.78	21.217
4/20/2015	0.0968	0.5592	0.656	11.1	18	3.52	18.656
4/21/2015	0.0977	0.9423	1.04	10.7	21	2.83	22.04
4/22/2015	0.102	0.742	0.844	10.6	18.2	2.62	19.044
4/27/2015	0.259	0.496	0.755	17.1	23.7	3.51	24.455
4/28/2015	0.266	0.396	0.662	17.7	24.9	3.26	25.562
4/29/2015	0.254	0.25	0.504	15.4	19.6	3.36	20.104
5/4/2015	0.111	0.188	0.299	21.4	23.2	4.11	23.499
5/5/2015	0.046	0.165	0.211	17.5	22.8	3.53	23.011
5/6/2015	0.0469	<0.1	0.138	20	32.4	3.99	32.538
5/11/2015	0.0359	<0.1	<0.100	18.5	26.9	3.26	26.9
5/12/2015	0.0435	<0.1	<0.100	16.3	28.2	3.74	28.2
5/13/2015	0.0875	0.1255	0.213	18.9	27.2	3.98	27.413
5/18/2015	0.0678	<0.1	0.131	19.3	25.5	3.55	25.631
5/19/2015	0.0773	0.1117	0.189	15.1	21.8	4.24	21.989
5/20/2015	0.043	<0.1	0.125	22.3	32.7	4.35	32.825
5/25/2015	0.0545	<0.1	<0.100	16.7	26.4	6.22	26.4
5/26/2015	0.0551	<0.1	<0.100	20.4	27	4.56	27
5/27/2015	0.0693	<0.1	<0.100	18.8	23.7	4.92	23.7
6/1/2015	0.113	0.459	0.572	12.7	27.5	2.9	28.072
6/2/2015	0.0743	0.2367	0.311	12	20.8	2.4	21.111
6/3/2015	0.0739	<0.1	0.165	16.1	19.3	3.7	19.465
6/8/2015	0.0131	<0.1	<0.100	21.5	31.4	4.07	31.4
6/9/2015	0.0132	<0.1	<0.100	19.6	27.2	4.13	27.2
6/10/2015	0.0174	<0.1	<0.100	25.8	37.4	4.16	37.4
6/15/2015	0.0782	0.1618	0.24	11.1	15.5	3.32	15.74
6/16/2015	0.0552	<0.1	0.125	14	18.8	2.96	18.925
6/17/2015	0.0637	<0.1	<0.100	20.7	28.5	4.85	28.5
6/22/2015	0.269	<0.1	0.358	12.4	20.5	2.82	20.858
6/23/2015	0.241	<0.1	0.29	12.1	12.5	3.33	12.79
6/24/2015	0.262	<0.1	0.276	14	22.1	4.4	22.376
6/29/2015	0.371	<0.1	0.438	14.6	21.4	3.71	21.838

Field's Point Effluent Nutrients

Date	Nitrite $N-NO_2$ ppm	Nitrate $N-NO_3$ ppm	NitrateNitrite $N-NO_3NO_2$ ppm	Ammonia $N-NH_3$ ppm	TKN N-TKN ppm	Total Phosphorus ppm	Total Nitrogen ppm
3/30/2015	0.151	3.499	3.65	4.34	5.11	0.597	8.76
3/31/2015	0.152	3.268	3.42	2.89	4.05	0.63	7.47
4/1/2015	0.113	3.187	3.3	2.22	3.5	0.587	6.8
4/6/2015	0.204	2.656	2.86	5.04	6.21	0.947	9.07
4/7/2015	0.085	3.905	3.99	1.85	3.34	0.68	7.33
4/8/2015	0.139	3.971	4.11	2.66	3.66	0.774	7.77
4/13/2015	0.129	2.791	2.92	2.97	3.98	1.2	6.9
4/14/2015	0.109	3.061	3.17	2.35	3.03	1.11	6.2
4/15/2015	0.0544	4.0156	4.07	1.3	2.48	1.17	6.55
4/20/2015	0.041	5.189	5.23	1.61	2.6	1.1	7.83
4/21/2015	0.071	5.599	5.67	1.55	2.62	0.869	8.29
4/22/2015	0.0723	5.4677	5.54	1.08	2.5	0.824	8.04
4/27/2015	0.0448	4.5752	4.62	1.3	2.5	1.41	7.12
4/28/2015	<0.0100	5.32	5.32	0.475	1.66	1.44	6.98
4/29/2015	0.0152	5.1748	5.19	0.512	1.81	1.25	7
5/4/2015	0.0871	4.1329	4.22	2.5	3.79	1.61	8.01
5/5/2015	0.0161	3.3439	3.36	0.378	1.65	1.69	5.01
5/6/2015	0.0431	3.9169	3.96	0.966	2.19	1.59	6.15
5/11/2015	0.0118	2.9182	2.93	0.308	1.68	1.45	4.61
5/12/2015	<0.0100	1.76	1.76	<0.1	1.15	1.57	2.91
5/13/2015	0.0459	3.4641	3.51	0.849	1.95	1.08	5.46
5/18/2015	0.0231	2.2569	2.28	0.542	1.92	1.72	4.2
5/19/2015	0.0245	1.5255	1.55	0.333	1.66	1.38	3.21
5/20/2015	<0.0100	1.98	1.98	0.13	1.49	0.925	3.47
5/21/2015			2.59	<0.1	1.25		3.84
5/22/2015							
5/23/2015			1.51	<0.1	1.28		2.79
5/25/2015	<0.0100	0.833	0.833	<0.1	1.43	1.75	2.263
5/26/2015	0.015	1.425	1.44	0.421	1.68	1.58	3.12
5/27/2015	<0.0100	1.02	1.02	0.263	1.78	2.05	2.8
6/1/2015	0.147	4.623	4.77	1.1	2.51	1.18	7.28
6/2/2015	0.085	4.395	4.48	0.502	1.58	0.685	6.06
6/3/2015	0.014	2.356	2.37	0.293	1.54	0.811	3.91
6/8/2015	<0.0100	2.41	2.41	<0.1	1.39	2.03	3.8
6/9/2015	<0.0100	2.33	2.33	<0.1	1.49	1.78	3.82
6/10/2015	<0.0100	2.93	2.93	<0.1	1.37	1.58	4.3
6/15/2015	0.0309	3.8691	3.9	0.701	2.66	1.62	6.56
6/16/2015	0.0524	2.9576	3.01	0.724	1.88	1.09	4.89
6/17/2015	<0.0100	2.53	2.53	0.295	1.65	1.18	4.18
6/22/2015	0.0529	3.6571	3.71	1.43	2.5	1.2	6.21

Table 13: Field's Point Influent and Effluent Nutrients

Field's Point Influent and Effluent Nutrients 2015

Field's Point Influent Nutrients

Date	Nitrite $N\text{-}NO_2$ ppm	Nitrate $N\text{-}NO_3$ ppm	NitrateNitrite $N\text{-}NO_3NO_2$ ppm	Ammonia $N\text{-}NH_3$ ppm	TKN N-TKN ppm	Total Phosphorus ppm	Total Nitrogen ppm
6/30/2015	0.388	<0.1	0.433	16.3	18.1	4.24	18.533
7/1/2015	0.324	<0.1	0.353	12.9	15.3	3.38	15.653
7/6/2015	0.337	<0.1	0.397	19.1	24	3.96	24.397
7/7/2015	0.285	0.107	0.392	16.3	26.3	4.48	26.692
7/8/2015	0.343	<0.1	0.419	14.1	23.2	3.82	23.619
7/13/2015	0.362	0.155	0.517	19.5	29.2	3.97	29.717
7/14/2015	0.295	0.149	0.444	13.6	22.5	3.26	22.944
7/15/2015	0.335	0.252	0.587	12.6	22.4	3.6	22.987
7/20/2015	0.0131	<0.1	<0.100	19.3	28.8	3.96	28.8
7/21/2015	<0.0100	<0.1	<0.100	17.5	27.3	4.54	27.3
7/22/2015	0.0137	<0.1	<0.100	16.2	26.4	3.99	26.4
7/27/2015	0.0421	<0.1	<0.100	16.8	28.2	4.13	28.2
7/28/2015	0.0812	<0.1	0.101	20.8	31.9	4.19	32.001
7/29/2015	0.0771	<0.1	<0.100	15.9	25.9	3.98	25.9
8/3/2015	0.208	<0.1	0.215	22.5	34	5.39	34.215
8/4/2015	0.0129	<0.1	0.112	12.4	21.4	4.4	21.512
8/5/2015	0.0185	<0.1	<0.100	16.3	26.8	4.07	26.8
8/10/2015	0.0116	<0.1	<0.100	23.3	35.8	5.3	35.8
8/11/2015	0.0441	<0.1	0.109	14.4	23.8	2.83	23.909
8/12/2015	0.0186	<0.1	<0.100	10.5	16.2	2.7	16.2
8/17/2015	0.0269	<0.1	<0.100	21.7	30.6	4.56	30.6
8/18/2015	0.0427	<0.1	<0.100	18.8	27.4	4.03	27.4
8/19/2015	0.0826	<0.1	<0.100	22.6	33.3	4.82	33.3
8/24/2015	0.15	<0.1	0.121	23.7	32.8	5.1	32.921
8/25/2015	0.178	<0.1	0.168	22.1	33.8	4.25	33.968
8/26/2015	0.231	<0.1	0.18	23.3	33.5	4.85	33.68
8/31/2015	0.352	<0.1	0.395	22.7	35.3	5.05	35.695
9/1/2015	0.403	<0.1	0.419	24.1	37.4	4.9	37.819
9/2/2015	0.423	<0.1	0.371	25	28.8	4.57	29.171
9/7/2015	0.381	<0.1	0.393	23.6	32	4.9	32.393
9/8/2015	0.338	<0.1	0.32	25.7	41	5.73	41.32
9/9/2015	0.273	<0.1	0.239	25.7	35.3	4.92	35.539
9/14/2015	0.298	<0.1	0.354	22.3	29.4	4.57	29.754
9/15/2015	0.513	<0.1	0.548	24.3	26.7	4.77	27.248
9/16/2015	0.34	<0.1	0.375	25.2	33.4	5.06	33.775
9/21/2015	0.347	<0.1	0.392	26.4	36.1	4.83	36.492
9/22/2015	0.489	<0.1	0.483	25.4	35.7	4.14	36.183
9/23/2015	0.377	<0.1	0.414	23.6	32.1	4.75	32.514
9/28/2015	0.0524	<0.1	0.1	25.4	34.2	5.71	34.2
9/29/2015	0.0227	<0.1	<0.100	21.3	34.8	5.18	34.8

Field's Point Effluent Nutrients

Date	Nitrite $N\text{-}NO_2$ ppm	Nitrate $N\text{-}NO_3$ ppm	NitrateNitrite $N\text{-}NO_3NO_2$ ppm	Ammonia $N\text{-}NH_3$ ppm	TKN N-TKN ppm	Total Phosphorus ppm	Total Nitrogen ppm
6/23/2015	0.0269	3.6831	3.71	0.455	1.41	0.789	5.12
6/24/2015	<0.0100	1.48	1.48	0.128	1.24	0.802	2.72
6/29/2015	0.0168	3.1032	3.12	0.369	1.38	0.995	4.5
6/30/2015	<0.0100	2.61	2.61	<0.1	1	0.853	3.61
7/1/2015	<0.0100	3.08	3.08	<0.1	1.12	0.856	4.2
7/6/2015	<0.0100	3.3	3.3	<0.1	1.09	1.83	4.39
7/7/2015	0.0452	3.1848	3.23	1.06	2.42	1.7	5.65
7/8/2015	0.049	4.291	4.34	1.32	2.32	1.35	6.66
7/13/2015	0.0329	2.2971	2.33	1.08	2.35	2.02	4.68
7/14/2015	<0.0100	1.9	1.9	<0.1	1.13	1.3	3.03
7/15/2015	<0.0100	2.15	2.15	<0.1	1.08	1.3	3.23
7/20/2015	<0.0100	2.39	2.39	<0.1	1.12	2.13	3.51
7/21/2015	<0.0100	2.51	2.51	<0.1	1.13	1.82	3.64
7/22/2015	<0.0100	1.73	1.73	<0.1	1.04	1.73	2.77
7/27/2015	<0.0100	2.29	2.29	0.132	1.29	2.16	3.58
7/28/2015	0.0409	2.0691	2.11	1.19	2.04	1.7	4.15
7/29/2015	<0.0100	1.03	1.03	<0.1	1.06	1.76	2.09
8/3/2015	0.0113	1.7887	1.8	0.242	1.5	2.46	3.3
8/4/2015	<0.0100	2.27	2.27	<0.1	1.26	1.23	3.53
8/5/2015	<0.0100	0.755	0.755	<0.1	0.972	1.37	1.727
8/10/2015	0.0296	2.5804	2.61	1.2	2.41	2.32	5.02
8/11/2015	0.0176	2.7824	2.8	0.5	1.42	1.35	4.22
8/12/2015	<0.0100	1.47	1.47	0.131	0.875	1.26	2.345
8/17/2015	<0.0100	1.67	1.67	0.217	1.22	2.56	2.89
8/18/2015	<0.0100	1.97	1.97	<0.1	1.06	2.36	3.03
8/19/2015	<0.0100	2.47	2.47	0.29	1.29	2.27	3.76
8/24/2015	<0.0100	2.4	2.4	0.15	1.09	2.64	3.49
8/25/2015	<0.0100	1.95	1.95	<0.1	1.1	2.58	3.05
8/26/2015	<0.0100	2.37	2.37	0.14	1.34	1.87	3.71
8/31/2015	<0.0100	1.65	1.65	0.252	1.43	2.38	3.08
9/1/2015	<0.0100	2.31	2.31	<0.1	1.17	1.65	3.48
9/2/2015	<0.0100	2.75	2.75	0.164	1.63	1.94	4.38
9/7/2015	<0.0100	1.93	1.93	0.176	1.47	2.77	3.4
9/8/2015	0.0131	2.6769	2.69	0.748	2.04	3.07	4.73
9/9/2015	<0.0100	3.28	3.28	0.221	1.43	2.36	4.71
9/14/2015	<0.0100	1.86	1.86	0.146	1.54	1.84	3.4
9/15/2015	<0.0100	3.56	3.56	0.444	1.5	2.12	5.06
9/16/2015	<0.0100	2.81	2.81	0.179	1.4	2.81	4.21
9/21/2015	<0.0100	2.21	2.21	<0.1	1.26	2.79	3.47
9/22/2015	<0.0100	3.31	3.31	<0.1	1.33	2.32	4.64

Table 13: Field's Point Influent and Effluent Nutrients

Field's Point Influent and Effluent Nutrients 2015

Field's Point Influent Nutrients

Date	Nitrite $N\text{-}NO_2$ ppm	Nitrate $N\text{-}NO_3$ ppm	NitrateNitrite $N\text{-}NO_3NO_2$ ppm	Ammonia $N\text{-}NH_3$ ppm	TKN N-TKN ppm	Total Phosphorus ppm	Total Nitrogen ppm
9/30/2015	0.0701	0.3099	0.38	6.16	10.7	2.41	11.08
10/5/2015	0.0154	0.1686	0.184	23.1	32.5	4.82	32.684
10/6/2015	0.0131	<0.1	0.107	22.4	31.3	4.57	31.407
10/7/2015	0.0161	<0.1	<0.100	23.8	30	4.9	30
10/12/2015	0.0132	<0.1	<0.100	19	22.7	4.88	22.7
10/13/2015	0.0158	<0.1	<0.100	22.9	23.2	3.84	23.2
10/14/2015	0.0157	<0.1	<0.100	21.3	27.3	4.05	27.3
10/19/2015	0.0151	<0.1	<0.100	25.5	36.9	5.1	36.9
10/20/2015	0.0211	<0.1	<0.100	24.6	36.4	6	36.4
10/21/2015	0.0237	<0.1	<0.100	23.3	34.7	5.2	34.7
10/26/2015	0.0647	<0.1	<0.100	26.1	33	5.87	33
10/27/2015	0.0139	<0.1	<0.100	21.9	28.9	5.48	28.9
10/28/2015	0.0227	0.1503	0.173	16.4	21.1	4.27	21.273
11/2/2015	0.0109	<0.1	<0.100	20.1	25.1	5.51	25.1
11/3/2015	0.0108	<0.1	<0.100	24.8	26.4	5.35	26.4
11/4/2015	0.0108	<0.1	<0.100	25.1	36.2	5.29	36.2
11/9/2015	<0.0100	<0.1	<0.100	26.5	35.2	4.63	35.2
11/10/2015	0.0188	<0.1	<0.100	19.4	29.4	5.44	29.4
11/11/2015	0.0232	<0.1	0.115	20.1	28.8	4.39	28.915
11/16/2015	0.0179	<0.1	<0.100	22	32.8	5.02	32.8
11/17/2015	0.0164	<0.1	<0.100	31.7	42.6	4.88	42.6
11/18/2015	0.016	<0.1	<0.100	23.7	32.5	5.56	32.5
11/23/2015	0.0251	<0.1	0.104	24.1	32.7	4.45	32.804
11/24/2015	0.0186	<0.1	<0.100	19	25.5	4.89	25.5
11/25/2015	0.0159	<0.1	<0.100	23.2	28.6	4.61	28.6
11/30/2015	0.0144	<0.1	<0.100	22.4	29.5	4.49	29.5
12/1/2015	0.0257	<0.1	<0.100	21.7	29.8	4.35	29.8
12/2/2015	0.0394	<0.1	0.113	17.9	26.3	3.62	26.413
12/7/2015	0.0175	<0.1	<0.100	24.5	36.6	5.07	36.6
12/8/2015	0.0174	<0.1	0.102	21.3	32.4	4.8	32.502
12/9/2015	0.0163	<0.1	<0.100	23.7	33.3	4.75	33.3
12/14/2015	0.0185	<0.1	0.114	20	33.4	4.34	33.514
12/15/2015	0.0548	0.1342	0.189	16.5	25.9	3.75	26.089
12/16/2015	0.0334	<0.1	<0.100	24.3	29.9	4.84	29.9
12/21/2015	0.0151	<0.1	<0.100	22.7	32.2	4.03	32.2
12/22/2015	0.0317	<0.1	<0.100	18.1	27.9	4.33	27.9
12/23/2015	0.0402	0.1488	0.189	12.8	19.7	3.3	19.889
12/28/2015	0.0803	<0.1	0.106	19.1	25.4	4.01	25.506
12/29/2015	0.194	0.242	0.436	17.6	23.7	2.67	24.136
12/30/2015	0.227	0.102	0.329	17.2	23.2	3.27	23.529

Field's Point Effluent Nutrients

Date	Nitrite $N\text{-}NO_2$ ppm	Nitrate $N\text{-}NO_3$ ppm	NitrateNitrite $N\text{-}NO_3NO_2$ ppm	Ammonia $N\text{-}NH_3$ ppm	TKN N-TKN ppm	Total Phosphorus ppm	Total Nitrogen ppm
9/23/2015	<0.0100	2.61	2.61	0.146	1.51	2.8	4.12
9/28/2015	0.0228	3.0472	3.07	0.629	1.62	2.55	4.69
9/29/2015	0.0291	3.1009	3.13	0.691	1.79	2	4.92
9/30/2015	0.0263	3.1537	3.18	0.509	1.26	1.14	4.44
10/5/2015	<0.0100	2.51	2.51	0.115	1.32	1.57	3.83
10/6/2015	0.0189	2.8211	2.84	0.411	1.42	2.16	4.26
10/7/2015	0.016	3.774	3.79	0.303	1.41	1.84	5.2
10/12/2015	0.0162	2.0738	2.09	0.264	1.34	2.2	3.43
10/13/2015	0.0584	4.2316	4.29	0.942	2.03	1.75	6.32
10/14/2015	<0.0100	3.01	3.01	0.108	1.41	2.17	4.42
10/19/2015	<0.0100	3.13	3.13	<0.1	1.32	2.35	4.45
10/20/2015	<0.0100	2.79	2.79	<0.1	1.33	2.83	4.12
10/21/2015	<0.0100	3.09	3.09	<0.1	1.35	2.24	4.44
10/26/2015	<0.0100	2.31	2.31	<0.1	1.59	2.16	3.9
10/27/2015	<0.0100	2.37	2.37	0.171	1.5	2.2	3.87
10/28/2015	0.0471	3.8329	3.88	1.07	2.74	1.57	6.62
11/2/2015	<0.0100	1.15	1.15	0.139	1.41	1.38	2.56
11/3/2015	0.0359	1.7441	1.78	1.07	2.34	1.34	4.12
11/4/2015	0.0791	1.4109	1.49	2.99	4.58	3.25	6.07
11/9/2015	0.0503	1.7897	1.84	1.35	2.72	1.72	4.56
11/10/2015	0.0729	1.3371	1.41	2.44	3.67	2.08	5.08
11/11/2015	0.0737	1.6763	1.75	1.1	2.31	1.09	4.06
11/16/2015	<0.0100	1.48	1.48	0.156	1.41	2.07	2.89
11/17/2015	0.0485	2.4115	2.46	1.26	2.37	2.57	4.83
11/18/2015	0.0234	1.4166	1.44	0.921	2.18	2.01	3.62
11/23/2015	0.0707	2.0793	2.15	1.55	2.58	1.15	4.73
11/24/2015	<0.0100	1.97	1.97	0.266	3.25	1.3	5.22
11/25/2015	0.0625	2.3675	2.43	2.12	3.38	1.79	5.81
11/30/2015	0.0325	2.3175	2.35	0.903	2.02	2.13	4.37
12/1/2015	0.0876	2.6124	2.7	2.79	3.95	2.24	6.65
12/2/2015	0.0169	1.7331	1.75	0.862	2.12	1.07	3.87
12/7/2015	0.0317	2.3883	2.42	0.774	2.09	2.6	4.51
12/8/2015	0.055	2.165	2.22	1.36	2.61	3.07	4.83
12/9/2015	0.0881	2.3119	2.4	1.97	3.38	2.12	5.78
12/14/2015	0.0529	2.5571	2.61	1.17	2.88	2.72	5.49
12/15/2015	0.171	2.489	2.66	2.24	3.23	1.59	5.89
12/16/2015	0.193	2.147	2.34	3.14	4.23	1.27	6.57
12/21/2015	0.0143	1.8657	1.88	0.293	1.54	1.5	3.42
12/22/2015	0.0651	2.1549	2.22	1.03	2.32	1.8	4.54
12/23/2015	0.0407	1.8893	1.93	0.961	2.15	1.64	4.08
12/28/2015	0.0793	2.4407	2.52	1.6	2.47	1.57	4.99
12/29/2015	0.109	3.621	3.73	2.3	3.09	1.71	6.82
12/30/2015	0.0903	4.9097	5	1.37	2.38	1.11	7.38

Table 13: Field's Point Influent and Effluent Nutrients

Bucklin Point Influent and Effluent Nutrients 2015

Bucklin Point Influent Nutrients

Date	Nitrite $N\text{-}NO_2$ ppm	Nitrate $N\text{-}NO_3$ ppm	Ammonia $N\text{-}NH_3$ ppm	TKN N-TKN ppm	Total Phosphorus ppm	Total Nitrogen ppm
01/05/15	0.176	0.5750	14.40	30.400	2.820	31.151
01/06/15	0.2	0.5270	16.90	26.500	3.510	27.227
01/07/15	0.194	0.3230	17.70	27.400	3.770	27.917
01/12/15	0.209	<0.1	18.60	27.100	3.800	27.332
01/13/15	0.164	0.6940	14.10	20.300	3.650	21.158
01/14/15	0.181	0.4050	18.30	27.000	3.370	27.586
01/19/15	0.172	0.4040	16.50	26.100	3.820	26.676
01/20/15	0.435	<0.1	18.90	27.600	3.940	28.079
01/21/15	0.355	<0.1	19.10	29.200	4.270	29.583
01/26/15	0.174	0.3720	18.90	27.600	3.320	28.146
01/27/15	0.224	0.2810	21.30	30.000	3.960	30.505
01/28/15	0.257	0.1100	20.70	30.200	3.840	30.567
02/02/15	0.224	<0.1	21.60	34.400	3.880	34.666
02/03/15	0.194	0.1290	21.10	33.700	4.170	34.023
02/04/15	0.184	0.2620	20.40	30.700	4.440	31.146
02/09/15	0.286	<0.1	21.40	29.300	4.510	29.605
02/10/15	0.0639	0.2291	24.40	32.600	5.530	32.893
02/11/15	0.222	<0.1	21.00	25.400	5.460	25.717
02/16/15	0.179	0.3090	24.50	33.000	5.140	33.488
02/17/15	0.204	0.5220	21.20	33.900	5.640	34.626
02/18/15	0.0948	0.1422	21.00	29.300	5.070	29.537
02/23/15	0.151	0.3750	19.20	31.000	3.950	31.526
02/24/15	0.105	0.3070	21.00	34.100	3.310	34.512
02/25/15	0.151	0.1260	20.90	32.100	4.510	32.377
03/02/15	0.0922	<0.1	22.50	27.600	4.810	27.729
03/03/15	0.202	0.1980	21.70	35.400	4.330	35.800
03/04/15	0.0974	0.1266	18.40	29.200	4.400	29.424
03/09/15	0.189	0.1090	21.00	31.800	4.180	32.098
03/10/15	0.29	0.2370	21.10	31.500	4.690	32.027
03/11/15	0.117	0.6740	15.30	20.700	3.450	21.491
03/16/15	0.1780	1.4420	11.70	15.100	2.120	16.720
03/17/15	0.2080	1.4720	11.60	15.200	2.860	16.880

Bucklin Point Effluent Nutrients

Date	Nitrite $N\text{-}NO_2$ ppm	Nitrate $N\text{-}NO_3$ ppm	Ammonia $N\text{-}NH_3$ ppm	TKN N-TKN ppm	Total Phosphorus ppm	Total Nitrogen ppm
01/05/15	0.0734	2.8866	0.9110	2.130	1.460	5.090
01/06/15	0.0578	2.5322	0.6270	1.810	1.620	4.400
01/07/15	0.0228	2.0672	<0.1	1.250	1.670	3.340
01/12/15	0.0561	2.4939	1.170	2.600	2.160	5.150
01/13/15	0.0483	4.6717	0.1930	1.530	1.940	6.250
01/14/15	<0.01	3.3700	<0.1	1.170	1.720	4.540
01/19/15	0.0225	2.8775	<0.1	0.941	1.590	3.841
01/20/15	0.0106	2.8194	<0.1	0.925	1.900	3.755
01/21/15	<0.01	2.2100	<0.1	1.100	2.090	3.310
01/26/15	0.0145	2.8655	<0.1	1.110	1.890	3.990
01/27/15	0.01	3.0900	<0.1	1.160	2.030	4.260
01/28/15	0.0354	4.8846	0.2060	1.320	2.210	6.240
02/02/15	<0.01	2.8600	<0.1	1.070	1.730	3.930
02/03/15	0.0109	5.2191	<0.1	1.250	2.170	6.480
02/04/15	0.0125	5.1775	<0.1	1.130	2.360	6.320
02/09/15	0.01	4.8500	<0.1	1.140	2.390	6.000
02/10/15	0.0124	5.3876	<0.1	1.080	2.630	6.480
02/11/15	0.0128	5.6772	<0.1	0.971	3.100	6.661
02/16/15	0.0359	4.6941	0.1070	1.270	2.670	6.000
02/17/15	0.0398	2.7602	0.130	1.250	2.500	4.050
02/18/15	0.049	1.9910	<0.1	1.500	2.670	3.540
02/23/15	0.0696	1.4204	0.6780	2.120	2.530	3.610
02/24/15	0.0572	1.1328	0.2110	1.570	2.470	2.760
02/25/15	0.0477	0.8433	0.1320	1.420	2.270	2.311
03/02/15	0.0321	2.5579	<0.1	1.140	2.200	3.730
03/03/15	0.012	3.9280	<0.1	1.020	2.470	4.960
03/04/15	0.0536	2.9464	0.4490	1.620	2.380	4.620
03/09/15	0.0479	2.0921	0.3950	1.390	2.310	3.530
03/10/15	0.0572	2.3028	0.4740	1.680	2.500	4.040
03/11/15	0.0888	1.6312	1.160	4.570	2.830	6.290
03/16/15	0.0910	0.9590	1.010	2.110	1.290	3.160
03/17/15	0.0603	1.2397	0.2410	1.400	1.350	2.700

Table 14: Bucklin Point Influent and Effluent Nutrients

Bucklin Point Influent and Effluent Nutrients 2015

Bucklin Point Influent Nutrients

Date	Nitrite $N\text{-}NO_2$ ppm	Nitrate $N\text{-}NO_3$ ppm	Ammonia $N\text{-}NH_3$ ppm	TKN N-TKN ppm	Total Phosphorus ppm	Total Nitrogen ppm
03/18/15	0.2100	1.4100	11.00	14.000	2.770	15.620
03/23/15	0.1880	1.0420	14.90	19.800	3.130	21.030
03/24/15	0.1840	1.4860	14.40	19.900	5.300	21.570
03/25/15	0.1660	0.9740	15.10	20.300	3.910	21.440
03/30/15	0.2290	1.2410	12.50	15.200	2.790	16.670
03/31/15	0.2550	1.2650	12.70	16.200	3.580	17.720
04/01/15	0.2690	1.3910	13.30	20.600	3.590	22.260
04/06/15	0.2060	0.7460	13.90	16.900	7.790	17.852
04/07/15	0.2340	0.9660	12.20	14.700	4.840	15.900
04/08/15	0.1990	0.9410	12.00	16.100	2.980	17.240
04/13/15	0.2130	0.5890	14.30	21.300	3.420	22.102
04/14/15	0.2690	0.7510	14.10	21.200	7.310	22.220
04/15/15	0.2260	0.2190	13.90	23.300	4.030	23.745
04/20/15	0.3250	0.3860	15.40	24.000	6.690	24.711
04/21/15	0.2260	1.2240	8.170	15.700	2.930	17.150
04/22/15	0.3070	1.2530	12.50	21.100	3.460	22.660
04/27/15	0.3160	0.8940	15.10	17.100	3.250	18.310
04/28/15	0.3600	0.9100	17.00	23.100	3.640	24.370
04/29/15	0.3010	0.9590	15.20	24.900	3.860	26.160
05/04/15	0.4380	0.5190	16.20	19.100	2.630	20.057
05/05/15	0.5790	0.5710	16.00	21.700	4.430	22.850
05/06/15	0.4520	0.6080	16.50	30.000	4.760	31.060
05/11/15	0.5850	0.5550	16.20	23.700	2.960	24.840
05/12/15	0.5710	0.8890	14.40	26.000	4.490	27.460
05/13/15	0.6120	0.8380	14.90	24.300	4.150	25.750
05/18/15	0.6730	0.5470	15.80	16.800	4.230	18.020
05/19/15	0.3760	1.1640	16.00	24.000	4.690	25.540
05/20/15	0.6440	0.7260	17.60	28.400	9.000	29.770
05/25/15	0.5630	0.7070	19.20	25.200	3.750	26.470
05/26/15	0.7140	0.1670	20.70	25.600	4.510	26.481
05/27/15	0.6800	0.2860	19.20	27.200	4.380	28.166
06/01/15	0.2140	1.5160	11.90	21.300	3.640	23.030
06/02/15	0.1830	1.8870	12.40	20.700	3.490	22.770
06/03/15	0.3720	1.1080	15.20	24.700	3.120	26.180
06/08/15	0.2570	1.0430	18.20	23.600	4.590	24.900
06/09/15	0.2610	0.9190	20.10	27.900	3.680	29.080

Bucklin Point Effluent Nutrients

Date	Nitrite $N\text{-}NO_2$ ppm	Nitrate $N\text{-}NO_3$ ppm	Ammonia $N\text{-}NH_3$ ppm	TKN N-TKN ppm	Total Phosphorus ppm	Total Nitrogen ppm
03/18/15	0.0621	1.3079	0.2180	0.955	1.110	2.325
03/23/15	0.0764	0.8026	0.8420	1.780	1.790	2.659
03/24/15	0.0695	0.5145	0.6480	1.500	2.310	2.084
03/25/15	0.0735	0.6135	0.5360	1.350	1.720	2.037
03/30/15	0.1040	0.5650	0.8790	1.830	1.290	2.499
03/31/15	0.0763	0.4757	0.2430	0.990	1.220	1.542
04/01/15	0.0841	0.3739	0.4720	1.670	1.540	2.128
04/06/15	0.1070	0.2630	0.8620	1.690	3.950	2.060
04/07/15	0.0924	0.1656	1.340	2.410	3.430	2.668
04/08/15	0.0986	0.2454	0.4310	1.570	1.730	1.914
04/13/15	0.0816	0.2894	0.3760	1.160	1.590	1.531
04/14/15	0.0494	0.2566	<0.1	0.953	1.610	1.259
04/15/15	0.0693	0.4207	0.1440	1.510	2.070	2.000
04/20/15	0.0487	0.3073	0.310	2.360	2.240	2.716
04/21/15	0.0664	0.6566	0.2090	1.290	1.610	2.013
04/22/15	0.0752	0.3208	0.470	1.660	1.540	2.056
04/27/15	0.0798	1.1502	0.1790	1.380	2.090	2.610
04/28/15	0.0615	1.7785	<0.1	1.440	2.220	3.280
04/29/15	0.0236	1.4764	<0.1	1.340	2.090	2.840
05/04/15	0.0777	1.4923	0.5150	1.970	2.400	3.540
05/05/15	0.0689	0.9911	0.2470	1.460	2.330	2.520
05/06/15	0.0745	1.3455	0.2360	1.510	2.400	2.930
05/11/15	0.1150	1.2650	1.460	2.590	2.520	3.970
05/12/15	0.0811	1.0589	0.2440	1.360	2.120	2.500
05/13/15	0.0431	1.6769	0.1630	1.120	1.910	2.840
05/18/15	0.0864	1.1836	1.750	2.760	2.260	4.030
05/19/15	0.0921	0.8599	2.180	3.890	2.380	4.842
05/20/15	0.1070	1.3430	1.380	2.700	4.100	4.150
05/25/15	0.0815	2.9185	1.110	2.140	2.640	5.140
05/26/15	0.0428	3.8372	<0.1	1.320	2.510	5.200
05/27/15	0.0605	2.2795	0.7320	1.950	2.720	4.290
06/01/15	0.0635	2.6965	0.8640	2.240	1.900	5.000
06/02/15	0.0609	2.2291	0.8050	2.940	1.880	5.230
06/03/15	0.0554	2.4146	0.2530	1.500	2.060	3.970
06/08/15	0.0445	1.6955	0.780	2.040	1.620	3.780
06/09/15	0.0330	2.0370	0.1350	1.560	1.710	3.630

Table 14: Bucklin Point Influent and Effluent Nutrients

Bucklin Point Influent and Effluent Nutrients 2015

Bucklin Point Influent Nutrients

Date	Nitrite $N\text{-}NO_2$ ppm	Nitrate $N\text{-}NO_3$ ppm	Ammonia $N\text{-}NH_3$ ppm	TKN N-TKN ppm	Total Phosphorus ppm	Total Nitrogen ppm
06/10/15	0.3590	0.8210	18.20	29.900	4.650	31.080
06/15/15	0.1400	0.8800	14.00	29.600	5.310	30.620
06/16/15	0.1730	1.2770	15.90	26.500	3.290	27.950
06/17/15	0.2490	0.8110	18.30	26.300	4.860	27.360
06/22/15	0.0829	0.2861	16.80	21.400	4.130	21.769
06/23/15	0.1100	0.1480	18.40	22.700	4.640	22.958
06/24/15	0.0519	<0.1	18.50	30.600	4.720	30.705
06/29/15	0.1060	<0.1	19.90	26.900	3.130	27.076
06/30/15	0.0161	<0.1	18.70	26.000	3.950	26.000
07/01/15	0.1530	<0.1	16.00	19.400	3.470	19.618
07/06/15	0.1120	<0.1	19.00	30.300	5.570	30.422
07/07/15	0.4640	<0.1	18.60	27.900	5.080	28.365
07/08/15	0.5130	<0.1	19.10	29.200	4.820	29.587
07/13/15	0.6860	<0.1	18.50	28.000	3.620	28.696
07/14/15	0.6820	<0.1	19.00	22.400	4.010	22.989
07/15/15	0.7420	0.2330	14.00	25.700	4.100	26.675
07/20/15	0.0409	<0.1	19.60	29.300	4.470	29.300
07/21/15	0.0453	<0.1	19.40	30.700	6.400	30.700
07/22/15	0.0428	<0.1	19.90	32.800	5.450	32.800
07/27/15	0.1720	<0.1	21.10	31.600	5.180	31.761
07/28/15	0.2510	0.1750	22.20	33.600	5.030	34.026
07/29/15	0.4020	<0.1	19.80	30.700	4.920	31.182
08/03/15	0.6080	<0.1	22.90	35.600	5.860	36.272
08/04/15	0.6070	0.1450	19.90	29.600	4.100	30.352
08/05/15	0.7190	0.1560	22.50	36.100	4.990	36.975
08/06/15	0.7630	<0.1	21.50	34.600	7.390	35.284
08/10/15	0.6640	<0.1	23.10	32.200	4.760	32.868
08/11/15	0.6350	0.1170	18.30	26.300	4.460	27.052
08/12/15	0.7420	0.1210	18.70	29.800	4.520	30.663
08/17/15	0.0469	<0.1	22.90	32.200	4.640	32.200
08/18/15	0.0483	0.1887	24.00	34.600	5.530	34.837
08/19/15	0.0293	<0.1	22.50	34.700	5.340	34.700
08/24/15	0.0232	<0.1	27.80	36.000	4.600	36.000
08/25/15	0.1200	<0.1	24.60	33.000	4.330	33.000
08/26/15	0.3160	<0.1	24.40	41.300	5.760	41.640
08/31/15	0.5300	<0.1	27.60	35.800	4.180	36.265

Bucklin Point Effluent Nutrients

Date	Nitrite $N\text{-}NO_2$ ppm	Nitrate $N\text{-}NO_3$ ppm	Ammonia $N\text{-}NH_3$ ppm	TKN N-TKN ppm	Total Phosphorus ppm	Total Nitrogen ppm
06/10/15	0.0185	1.7715	<0.1	1.530	1.520	3.320
06/15/15	0.0340	1.1660	1.120	3.270	2.210	4.470
06/16/15	0.0423	1.8977	1.200	2.480	1.660	4.420
06/17/15	0.0360	1.7640	0.6510	1.910	1.810	3.710
06/22/15	0.0316	2.1884	0.8090	1.840	2.020	4.060
06/23/15	0.0330	3.0870	1.840	3.220	2.510	6.340
06/24/15	0.0363	3.3537	2.530	3.800	2.670	7.190
06/29/15	0.0418	1.9482	1.550	2.520	1.840	4.510
06/30/15	0.0464	2.4736	1.550	2.590	2.210	5.110
07/01/15	0.0336	4.7064	0.4720	1.670	3.110	6.410
07/06/15	0.0359	5.7241	0.8770	1.990	3.230	7.750
07/07/15	0.0119	3.3981	<0.1	1.200	3.420	4.610
07/08/15	0.0153	2.4847	<0.1	1.290	2.360	3.790
07/09/15	0.0131	2.4569	<0.1	1.250		3.720
07/12/15			<0.1	0.977		2.727
07/13/15	0.0124	1.9576	<0.1	1.000	2.340	2.970
07/14/15	0.0117	1.6783	<0.1	1.280	2.580	2.970
07/15/15	0.0114	1.8086	<0.1	1.160	2.380	2.980
07/20/15	0.0113	2.9887	<0.1	1.000	3.050	4.000
07/21/15	0.0119	2.6181	<0.1	1.090	3.240	3.720
07/22/15	0.0113	1.9087	<0.1	1.210	3.160	3.130
07/27/15	0.0399	2.7001	<0.1	1.630	2.840	4.370
07/28/15	0.0462	2.4938	1.060	2.650	3.360	5.190
07/29/15	0.0522	2.7978	0.8490	2.260	3.700	5.110
08/03/15	0.0578	2.3222	0.6410	1.900	2.970	4.280
08/05/15	0.0904	4.8396	1.370	3.090	3.300	8.020
08/06/15	0.0521	3.9579	2.190	3.790	3.830	7.800
08/10/15	0.0264	4.4936	0.2370	1.630	4.260	6.150
08/11/15	0.0177	2.5123	0.5470	1.970	3.380	4.500
08/12/15	0.0195	2.5505	0.3180	1.630	3.310	4.200
08/13/15	0.0114	2.0686	0.1010	1.310	3.210	3.390
08/16/15				1.960		4.600
08/17/15	0.0159	3.1941	0.1360	1.260	2.970	4.470
08/18/15	0.0182	4.0518	<0.1	1.890	3.660	5.960
08/19/15	0.0257	3.6543	<0.1	1.810	3.910	5.490
08/21/15				1.380		3.460

Table 14: Bucklin Point Influent and Effluent Nutrients

Bucklin Point Influent and Effluent Nutrients 2015

Bucklin Point Influent Nutrients

Date	Nitrite $N\text{-}NO_2$ ppm	Nitrate $N\text{-}NO_3$ ppm	Ammonia $N\text{-}NH_3$ ppm	TKN N-TKN ppm	Total Phosphorus ppm	Total Nitrogen ppm
09/01/15	0.4870	<0.1	26.60	34.500	5.130	34.898
09/02/15	0.4530	<0.1	29.20	36.100	5.090	36.410
09/07/15	0.5805	<0.1	25.00	38.665	5.083	39.168
09/08/15	0.5907	<0.1	22.86	37.955	5.642	38.480
09/09/15	0.0434	<0.100	25.42	41.860	5.864	41.860
09/14/15	0.0219	<0.1	27.10	40.500	4.860	40.500
09/15/15	0.0253	0.2737	23.40	33.500	4.820	33.799
09/16/15	0.0278	<0.1	25.70	35.600	5.390	35.600
09/21/15	0.0296	<0.1	25.80	37.700	4.620	37.700
09/22/15	0.0609	<0.1	25.00	35.900	7.300	35.900
09/23/15	0.1420	<0.1	24.50	36.700	7.390	36.834
09/28/15	0.4640	<0.1	24.00	36.600	5.180	36.942
09/29/15	0.4420	<0.1	25.80	41.000	6.350	41.335
09/30/15	0.4030	0.1880	11.90	21.100	3.920	21.691
10/05/15	0.5230	<0.1	22.20	30.800	4.820	31.231
10/06/15	0.4950	<0.1	22.30	27.200	5.150	27.610
10/07/15	0.0284	<0.1	23.90	31.500	5.750	31.500
10/12/15	0.0236	<0.1	23.40	29.300	6.660	29.300
10/13/15	0.0450	<0.1	17.80	26.600	4.920	26.600
10/14/15	0.0337	<0.1	23.20	32.000	5.370	32.000
10/19/15	0.0199	<0.1	26.80	38.400	6.070	38.400
10/20/15	0.0210	<0.1	25.30	36.500	5.850	36.500
10/21/15	0.0441	<0.1	26.00	36.300	5.800	36.416
10/26/15	0.0394	<0.1	30.60	40.100	5.770	40.100
10/27/15	0.0334	<0.1	27.00	37.600	6.310	37.600
10/28/15	0.0509	<0.1	25.30	33.700	6.840	33.821
11/02/15	0.5340	<0.1	27.40	48.100	4.990	48.490
11/03/15	0.5260	<0.1	28.60	36.400	5.130	36.788
11/04/15	0.3270	<0.1	26.50	34.300	5.820	34.539
11/09/15	0.0140	0.1960	26.30	37.100	5.130	37.310
11/10/15	0.0320	<0.1	25.80	39.000	8.270	39.118
11/11/15	0.0899	<0.1	21.70	32.500	6.280	32.679
11/16/15	0.0266	<0.1	27.30	40.900	5.420	40.900
11/17/15	0.0271	0.1899	27.50	40.700	9.320	40.917
11/18/15	0.0280	<0.1	26.70	37.800	6.810	37.800
11/23/15	0.1070	0.1880	18.40	24.200	3.470	24.495

Bucklin Point Effluent Nutrients

Date	Nitrite $N\text{-}NO_2$ ppm	Nitrate $N\text{-}NO_3$ ppm	Ammonia $N\text{-}NH_3$ ppm	TKN N-TKN ppm	Total Phosphorus ppm	Total Nitrogen ppm
08/22/15				1.310		3.610
08/23/15				1.240		3.360
08/24/15	0.0199	1.9601	<0.1	1.280	2.880	3.260
08/25/15	0.0194	2.5006	<0.1	1.260	3.490	3.780
08/26/15	0.0165	2.4535	<0.1	1.470	3.620	3.940
08/31/15	0.0128	1.8872	<0.1	1.400	3.330	3.300
09/01/15	0.0137	2.1163	<0.1	2.200	3.280	4.330
09/02/15	0.0171	3.0229	<0.1	1.490	3.560	4.530
09/07/15	0.0136	1.9764	<0.1	1.290	2.610	3.280
09/08/15	<0.0100	1.9300	<0.1	1.240	2.600	3.170
09/09/15	<0.0100	3.2700	<0.1	1.190	3.160	4.460
09/14/15	<0.0100	1.7800	<0.1	1.060	1.890	2.840
09/15/15	<0.0100	1.7900	<0.1	1.060	2.110	2.850
09/16/15	<0.0100	2.3600	<0.1	1.060	2.590	3.420
09/21/15	<0.0100	2.3400	<0.1	1.140	2.840	3.480
09/22/15	<0.0100	2.9500	<0.1	1.160	4.120	4.110
09/23/15	<0.0100	3.2200	<0.1	1.240	5.270	4.460
09/28/15	<0.0100	2.8700	<0.1	0.877	3.540	3.747
09/29/15	0.0111	2.5289	<0.1	1.010	3.700	3.550
09/30/15	<0.0100	1.2500	<0.1	1.260	2.130	2.510
10/05/15	<0.0100	4.4400	<0.1	1.010	3.180	5.450
10/06/15	<0.0100	3.3200	<0.1	1.070	3.210	4.390
10/07/15	0.0103	3.5597	<0.1	0.962	3.230	4.532
10/12/15	<0.0100	2.4700	<0.1	0.871	2.410	3.341
10/13/15	0.0146	2.3454	<0.1	0.843	2.310	3.203
10/14/15	<0.0100	1.7300	<0.1	1.120	2.530	2.850
10/19/15	<0.0100	3.1800	<0.1	1.100	3.140	4.280
10/20/15	0.0120	4.8380	<0.1	1.160	3.700	6.010
10/21/15	0.0109	5.6491	<0.1	1.080	4.190	6.740
10/26/15	0.0101	2.7799	<0.1	0.865	3.180	3.655
10/27/15	<0.0100	2.2900	<0.1	1.260	2.950	3.550
10/28/15	0.0252	3.1948	0.540	2.390	3.580	5.610
11/02/15	0.0288	2.9912	<0.1	1.340	2.470	4.360
11/03/15	0.0225	3.4175	<0.1	1.270	2.370	4.710
11/04/15	0.0252	3.7548	<0.1	1.260	2.580	5.040
11/09/15	0.0190	3.0410	<0.1	1.220	2.520	4.280

Table 14: Bucklin Point Influent and Effluent Nutrients

Bucklin Point Influent and Effluent Nutrients 2015

Bucklin Point Influent Nutrients

Date	Nitrite $N\text{-}NO_2$ ppm	Nitrate $N\text{-}NO_3$ ppm	Ammonia $N\text{-}NH_3$ ppm	TKN N-TKN ppm	Total Phosphorus ppm	Total Nitrogen ppm
11/24/15	0.0299	<0.1	25.20	32.500	6.680	32.612
11/25/15	0.0298	<0.1	24.30	31.700	5.340	31.700
11/30/15	0.0306	<0.1	31.10	37.700	4.890	37.700
12/01/15	0.0251	0.2239	26.10	38.300	6.470	38.549
12/02/15	0.1140	<0.1	21.20	32.300	5.750	32.501
12/07/15	0.0373	<0.1	26.60	37.300	5.430	37.300
12/08/15	0.0402	<0.1	25.30	37.500	6.820	37.608
12/09/15	0.0360	<0.1	26.70	40.700	6.850	40.700
12/14/15	0.0909	<0.1	27.70	38.700	5.630	38.700
12/15/15	0.3910	0.4030	18.00	28.400	12.20	29.194
12/16/15	0.3280	<0.1	24.70	33.100	6.360	33.398
12/21/15	0.0967	<0.1	26.90	34.600	5.680	34.600
12/22/15	0.1160	0.4550	26.30	37.000	6.990	37.571
12/23/15	0.0222	<0.1	23.70	35.800	6.470	35.800
12/28/15	0.0271	<0.1	24.60	34.800	4.500	34.800
12/29/15	0.0351	0.2219	19.60	28.200	5.380	28.457
12/30/15	0.0983	0.3097	20.00	24.900	4.500	25.308

Bucklin Point Effluent Nutrients

Date	Nitrite $N\text{-}NO_2$ ppm	Nitrate $N\text{-}NO_3$ ppm	Ammonia $N\text{-}NH_3$ ppm	TKN N-TKN ppm	Total Phosphorus ppm	Total Nitrogen ppm
11/10/15	0.0436	3.1364	1.180	2.660	2.970	5.840
11/11/15	0.0465	1.7935	2.860	4.200	2.720	6.040
11/16/15	0.0369	4.3331	0.3350	1.530	3.000	5.900
11/17/15	0.0239	4.0061	<0.1	1.390	3.700	5.420
11/18/15	0.0137	3.4263	<0.1	1.360	3.560	4.800
11/23/15	0.0532	2.5668	1.340	2.320	1.890	4.940
11/24/15	0.0287	3.6213	0.2630	1.390	2.710	5.040
11/25/15	0.0350	2.8450	0.3020	1.660	2.990	4.540
11/30/15	0.0390	3.4110	0.4850	1.600	2.430	5.050
12/01/15	0.0436	2.5864	1.490	2.720	2.900	5.350
12/02/15	0.0532	2.3268	1.230	2.580	1.980	4.960
12/07/15	0.0415	2.7885	0.2270	1.340	3.100	4.170
12/08/15	0.0370	4.2030	0.3120	1.710	3.890	5.950
12/09/15	0.0151	2.9349	<0.1	1.320	3.370	4.270
12/14/15	0.0313	1.4587	1.200	3.590	3.900	5.080
12/15/15	0.0253	2.0647	0.2040	2.090	2.570	4.180
12/16/15	0.0132	1.9268	<0.1	1.020	2.260	2.960
12/21/15	0.0307	1.6593	1.040	2.260	2.090	3.950
12/22/15	0.0354	1.1346	1.410	2.670	2.110	3.840
12/23/15	0.0289	1.3311	1.390	2.820	2.160	4.180
12/28/15	0.0356	1.2244	1.240	2.280	1.630	3.540
12/29/15	0.0301	0.8769	4.050	5.480	2.130	6.387
12/30/15	0.0586	0.6384	6.720	7.290	1.980	7.987

Table 14: Bucklin Point Influent and Effluent Nutrients

Field's Point Oil & Grease 2015

Date	Influent Flow	Effluent Flow	Influent Average	Effluent Average
	MGD	MGD	ppm	ppm
1/6/2015	38.57	38.57	8.260	<4.0
2/3/2015	33.86	33.86	22.60	<4.0
3/3/2015	34.37	34.37	16.25	<4.0
4/7/2015	57.21	57.21	15.22	<4.0
5/5/2015	39.23	39.23	14.03	<4.0
6/9/2015	34.78	34.78	24.40	<4.0
7/7/2015	36.29	36.29	19.76	<4.0
8/18/2015	31.33	31.33	16.16	<4.0
9/15/2015	28.88	28.88	30.40	<4.0
10/6/2015	28.58	28.58	21.90	<4.0
11/3/2015	29.27	29.27	19.21	<4.0
12/8/2015	31.34	31.34	22.17	<4.0

Bucklin Point Oil & Grease 2015

Date	Influent Flow	Effluent Flow	Influent Average	Effluent Average
	MGD	MGD	ppm	ppm
1/6/2015	20.10	20.10	11.07	<4.0
2/3/2015	16.38	16.38	23.39	<4.0
3/3/2015	15.62	15.62	31.47	<4.0
4/7/2015	30.14	30.14	22.01	<4.0
5/5/2015	18.27	18.27	27.94	<4.0
6/9/2015	16.16	16.16	36.92	<4.0
7/7/2015	15.62	15.62	26.96	<4.0
8/18/2015	13.75	13.75	27.44	<4.0
9/15/2015	12.22	12.22	41.39	<4.0
10/6/2015	13.31	13.31	18.97	<4.0
11/3/2015	13.59	13.59	19.81	<4.0
12/8/2015	13.71	13.71	16.85	<4.0

Field's Point Dissolved Metals 2015
all results in ppb
MDL = method detection limit

Date	**Cd**	Cd MDL	**Cr**	Cr MDL	**Cu**	Cu MDL	**Pb**	Pb MDL	**Ni**	Ni MDL	**Ag**	Ag MDL	**Zn**	Zn MDL	**Al**	Al MDL	**Fe**	Fe MDL
1/6/2015	**0.04**	0.040	1.64	0.300	2.63	0.300	**0.30**	0.300	11.59	0.300	0.04	0.020	28.42	4.000	6.54	3.000	74.89	2.000
2/3/2015	**0.04**	0.040	2.31	0.300	2.81	0.300	**0.30**	0.300	13.16	0.300	0.03	0.020	30.77	4.000	7.32	3.000	90.19	2.000
3/3/2015	0.06	0.040	1.97	0.300	2.92	0.300	**0.30**	0.300	18.81	0.300	0.04	0.020	34.37	4.000	6.83	3.000	90.00	2.000
4/7/2015	0.08	0.040	0.94	0.300	2.38	0.300	0.34	0.300	14.28	0.300	**0.02**	0.020	30.81	4.000	4.05	3.000	65.30	2.000
5/5/2015	0.34	0.040	1.29	0.300	2.26	0.300	**0.30**	0.300	14.76	0.300	0.03	0.020	22.35	4.000	4.55	3.000	71.38	2.000
6/9/2015	**0.04**	0.040	1.28	0.300	1.65	0.300	**0.30**	0.300	9.98	0.300	**0.02**	0.020	20.31	4.000	16.98	3.000	77.55	2.000
7/7/2015	**0.04**	0.040	1.57	0.300	1.45	0.300	**0.30**	0.300	7.04	0.300	**0.02**	0.020	20.07	4.000	4.50	3.000	78.79	2.000
8/18/2015	**0.04**	0.040	1.40	0.300	1.49	0.300	**0.30**	0.300	12.88	0.300	**0.02**	0.020	19.91	4.000	3.59	3.000	74.90	3.000
9/15/2015	**0.04**	0.040	1.35	0.300	1.36	0.300	**0.30**	0.300	12.32	0.300	**0.02**	0.020	18.36	4.000	9.99	3.000	73.14	3.000
10/6/2015	**0.04**	0.040	1.52	0.300	1.85	0.300	**0.30**	0.300	11.88	0.300	**0.02**	0.020	25.11	4.000	22.54	3.000	69.92	3.000
11/3/2015	0.05	0.040	1.75	0.300	2.07	0.300	**0.30**	0.300	13.44	0.300	**0.02**	0.020	24.80	4.000	4.52	3.000	71.70	3.000
12/8/2015	0.03	0.020	2.74	0.300	2.29	0.300	**0.30**	0.300	19.08	0.300	0.03	0.020	22.77	4.000	9.07	3.000	53.15	3.000

*Bold numbers are results that were reported at < detection limit

	Cd	**Cr**	**Cu**	**Pb**	**Ni**	**Ag**	**Zn**	**Al**	**Fe**
yearly average concentration	<0.07	1.65	2.10	<0.30	13.27	<0.03	24.84	8.37	74.24
yearly median concentration	0.04	1.55	2.17	0.30	13.02	0.02	23.79	6.68	74.02
yearly minimum concentration	0.03	0.94	1.36	<0.30	7.04	<0.02	18.36	3.59	53.15
yearly maximum concentration	0.34	2.74	2.92	0.34	19.08	0.04	34.37	22.54	90.19

Bucklin Point Dissolved Metals 2015
all results in ppb
MDL = method detection limit

Date	Cd	Cd MDL	Cr	Cr MDL	Cu	Cu MDL	Pb	Pb MDL	Ni	Ni MDL	Ag	Ag MDL	Zn	Zn MDL	Al	Al MDL	Fe	Fe MDL
1/6/2015	**0.04**	0.040	0.94	0.300	4.24	0.300	0.31	0.300	4.52	0.300	**0.02**	0.020	42.74	4.000	14.51	3.000	63.68	2.000
2/3/2015	0.05	0.040	0.57	0.300	7.29	0.300	**0.30**	0.300	4.09	0.300	0.02	0.020	44.48	4.000	14.32	3.000	73.48	2.000
3/3/2015	0.06	0.040	0.94	0.300	8.61	0.300	0.35	0.300	8.14	0.300	0.02	0.020	46.88	4.000	12.90	3.000	67.46	2.000
4/7/2015	0.05	0.040	0.49	0.300	4.89	0.300	**0.30**	0.300	4.98	0.300	**0.02**	0.020	37.27	4.000	9.72	3.000	61.00	2.000
5/5/2015	0.05	0.040	0.61	0.300	3.93	0.300	0.36	0.300	5.77	0.300	**0.02**	0.020	39.90	4.000	11.81	3.000	63.90	2.000
6/9/2015	**0.04**	0.040	0.51	0.300	4.84	0.300	**0.30**	0.300	27.83	0.300	0.03	0.020	33.00	4.000	6.95	3.000	76.58	2.000
7/7/2015	**0.04**	0.040	0.56	0.300	4.60	0.300	0.45	0.300	3.62	0.300	**0.02**	0.020	29.07	4.000	25.73	3.000	81.85	2.000
8/18/2015	0.07	0.040	0.85	0.300	11.34	0.300	0.42	0.300	5.93	0.300	0.06	0.020	49.29	4.000	13.63	3.000	63.02	3.000
9/15/2015	0.05	0.040	0.77	0.300	9.19	0.300	0.38	0.300	6.79	0.300	0.04	0.020	44.54	4.000	20.32	3.000	46.08	3.000
10/6/2015	0.06	0.040	0.49	0.300	12.32	0.300	**0.30**	0.300	4.03	0.300	0.04	0.020	43.69	4.000	15.21	3.000	58.67	3.000
11/3/2015	0.05	0.040	0.61	0.300	10.03	0.300	**0.30**	0.300	6.07	0.300	0.03	0.020	40.93	4.000	9.39	3.000	62.19	3.000
12/8/2015	0.03	0.020	0.82	0.300	6.96	0.300	**0.30**	0.300	6.32	0.300	0.03	0.020	41.45	4.000	14.12	3.000	55.56	3.000

*Bold numbers are results that were reported at < detection limit

	Cd	Cr	Cu	Pb	Ni	Ag	Zn	Al	Fe
yearly average concentration	<0.05	0.68	7.35	<0.34	7.34	<0.03	41.10	14.05	64.46
yearly median concentration	0.05	0.61	7.13	0.31	5.85	0.02	42.09	13.87	63.35
yearly minimum concentration	0.03	0.49	3.93	<0.30	3.62	<0.02	29.07	6.95	46.08
yearly maximum concentration	0.07	0.94	12.32	0.45	27.83	0.06	49.29	25.73	81.85

Field's Point WWTF Bioassay Results - 2015 *Americamysis bahia*						
Acute	**1st Quarter, 2015**			**2nd Quarter, 2015**		
Test	**Result**	**Permit Limit**	**Pass Y/N**	**Result**	**Permit Limit**	**Pass Y/N**
LC_{50}	>100%	>100%	Y	>100%	>100%	Y
A-NOEC	100%	N/A**	N/A	100%	N/A**	N/A
	3rd Quarter, 2015			**4th Quarter, 2015**		
Test	**Result**	**Permit Limit**	**Pass Y/N**	**Result**	**Permit Limit**	**Pass Y/N**
LC_{50}	>100%	>100%	N	≥100%	>100%	Y
A-NOEC	100%	N/A**	N/A	NC	N/A**	N/A

* NOTE - % indicates Percent Effluent

** No permit limit exists for A-NOEC

LC_{50}	LC_{50} is the effluent concentration that causes 50% mortality during the acute toxicity test duration.
A-NOEC	No observable effect concentration: Highest concentration of the effluent in which 90% or more of the test animals survive
Acute Test	continuous exposure to effluent for 48 hours
NC	Not calculated

Field's Point WWTF Bioassay Results - 2015 *Arbacia punctulata*						
Chronic	**1st Quarter, 2015**			**2nd Quarter, 2015**		
Test	**Result**	**Permit Limit**	**Pass Y/N**	**Result**	**Permit Limit**	**Pass Y/N**
C-NOEC	100%	Required monitoring: No Limit	Y	100.0%	Required monitoring: No Limit	Y
	3rd Quarter, 2015			**4th Quarter, 2015**		
Test	**Result**	**Permit Limit**	**Pass Y/N**	**Result**	**Permit Limit**	**Pass Y/N**
C-NOEC	100%	Required monitoring: No Limit	Y	100%	Required monitoring: No Limit	Y

* NOTE - % indicates Percent Effluent

C-NOEC	Highest concentration of effluent with no observed effect on fertilization rates
Chronic test	Tests for sublethal effects of effluent on specifically on fertilization rates of *A. punculata* eggs. Exposure rate is 60 minutes

Bucklin Point WWTF Bioassay Results - 2015 *Americamysis bahia*						
Acute	**1st Quarter, 2015**			**2nd Quarter, 2015**		
Test	**Result**	**Permit Limit**	**Pass Y/N**	**Result**	**Permit Limit**	**Pass Y/N**
LC_{50}	>100%	>100%	Y	>100%	>100%	Y
A-NOEC	100%	N/A**	N/A	100%	N/A**	N/A
	3rd Quarter, 2015			**4th Quarter, 2015**		
Test	**Result**	**Permit Limit**	**Pass Y/N**	**Result**	**Permit Limit**	**Pass Y/N**
LC_{50}	>100%	>100%	Y	>100%	>100%	Y
A-NOEC	100%	N/A**	N/A	NC	N/A**	N/A

* NOTE - % indicates Percent Effluent

** No permit limit exists for A-NOEC

LC_{50}	LC_{50} is the effluent concentration that causes 50% mortality during the acute toxicity test duration.
A-NOEC	No observable effect concentration: Highest concentration of the effluent in which 90% or more of the test animals survive
Acute Test	Continuous exposure to effluent for 48 hours
NC	Not calculated

Bucklin Point WWTF Bioassay Results - 2015 *Arbacia punctulata*						
Chronic	**1st Quarter, 2015**			**2nd Quarter, 2015**		
Test	**Result**	**Permit Limit**	**Pass Y/N**	**Result**	**Permit Limit**	**Pass Y/N**
C-NOEC	100%	50%	Y	100%	50%	Y
	3rd Quarter, 2015			**4th Quarter, 2015**		
Test	**Result**	**Permit Limit**	**Pass Y/N**	**Result**	**Permit Limit**	**Pass Y/N**
C-NOEC	100%	50%	Y	50%	50%	Y

* NOTE - % indicates Percent Effluent

C-NOEC	Highest concentration of effluent with no observed effect on fertilization rates
Chronic test	Tests for sublethal effects of effluent on specifically on fertilization rates of *A. punculata* eggs. Exposure rate is 60 minutes

Bucklin Point Metals Loading from Final Sludge (lbs/yr)

Date	Sludge	Arsenic		Beryllium		Cadmium		Chromium		Copper		Cyanide	
	Dry Tons	ppm	lbs	ppm	lbs	ppm	lbs	ppm	lbs	ppm	lbs	ppm	lbs
1/6/2015	28.67	5.43		0.18		2.36		44.05		212.37		3.90	
1/20/2015	21.52	6.56		0.24		2.65		59.82		281.83		3.40	
Monthly Avg:	**25.10**	**5.99**		**0.21**		**2.50**		**51.93**		**247.10**		**3.65**	
Monthly Total in lbs.	**1,271,440**		**7.62**		**0.27**		**3.18**		**66.03**		**314.17**		**4.64**
2/3/2015	14.26	4.42		0.30		2.07		39.45		218.14		5.25	
2/17/2015	28.25	4.98		0.29		2.92		48.40		279.85		3.23	
Monthly Avg:	**21.26**	**4.70**		**0.30**		**2.50**		**43.92**		**248.99**		**4.24**	
Monthly Total in lbs.	**1,126,420**		**5.29**		**0.33**		**2.81**		**49.48**		**280.47**		**4.78**
3/3/2015	29.02	4.13		0.16		2.86		48.59		242.96		7.20	
3/17/2015	41.42	4.93		0.17		3.22		48.55		213.18		10.00	
Monthly Avg:	**35.22**	**4.53**		**0.16**		**3.04**		**48.57**		**228.07**		**8.60**	
Monthly Total in lbs.	**1,474,780**		**6.68**		**0.24**		**4.49**		**71.63**		**336.35**		**12.68**
4/7/2015	29.28	5.18		0.30		3.46		65.88		235.02		14.10	
4/21/2015	30.68	6.12		0.34		4.64		84.26		318.97		8.77	
Monthly Avg:	**29.98**	**5.65**		**0.32**		**4.05**		**75.07**		**276.99**		**11.44**	
Monthly Total in lbs.	**1,482,600**		**8.38**		**0.48**		**6.00**		**111.30**		**410.67**		**16.95**
5/5/2015	29.9	4.49		0.06		4.04		44.15		191.25		3.64	
5/19/2015	27.68	5.41		0.16		7.18		44.56		220.96		4.84	
Monthly Avg:	**28.79**	**4.95**		**0.11**		**5.61**		**44.35**		**206.10**		**4.24**	
Monthly Total in lbs.	**1,357,700**		**6.72**		**0.15**		**7.62**		**60.22**		**279.82**		**5.76**
6/2/2015	36.52	5.26		0.12		2.77		43.87		201.81		4.96	
6/16/2015	34.9	4.61		0.09		1.75		51.67		215.45		4.70	
Monthly Avg:	**35.71**	**4.94**		**0.11**		**2.26**		**47.77**		**208.63**		**4.83**	
Monthly Total in lbs.	**1,420,860**		**7.02**		**0.15**		**3.21**		**67.88**		**296.43**		**6.86**
7/7/2015	33.02	6.66		0.09		1.41		51.34		234.63		4.10	
7/21/2015	24.21	6.92		0.14		1.41		61.62		239.84		3.90	
Monthly Avg:	**28.62**	**6.79**		**0.12**		**1.41**		**56.48**		**237.23**		**4.00**	
Monthly Total in lbs.	**1,338,380**		**9.09**		**0.16**		**1.88**		**75.59**		**317.51**		**5.35**

Bucklin Point Metals Loading from Final Sludge (lbs/yr)

Date	Sludge	Arsenic		Beryllium		Cadmium		Chromium		Copper		Cyanide	
	Dry Tons	ppm	lbs	ppm	lbs	ppm	lbs	ppm	lbs	ppm	lbs	ppm	lbs
8/4/2015	20.47	7.29		0.04		1.26		55.08		227.86		4.00	
8/18/2015	19.32	6.84		0.16		1.24		60.86		276.25		4.30	
Monthly Avg:	**19.89**	**7.07**		**0.10**		**1.25**		**57.97**		**252.06**		**4.15**	
Monthly Total in lbs.	**1,077,420**		**7.61**		**0.11**		**1.34**		**62.46**		**271.57**		**4.47**
9/1/2015	18.88	7.00		0.22		1.34		70.36		254.76		1.80	
9/15/2015	25.96	7.82		0.22		1.43		55.09		279.45		1.70	
Monthly Avg:	**22.42**	**7.41**		**0.22**		**1.38**		**62.72**		**267.11**		**1.75**	
Monthly Total in lbs.	**1,183,750**		**8.77**		**0.26**		**1.64**		**74.25**		**316.19**		**2.07**
10/6/2015	20.80	6.21		0.10		1.37		57.04		247.51		1.89	
10/20/2015	33.58	7.36		0.04		4.89		58.31		287.37		2.60	
Monthly Avg:	**27.19**	**6.78**		**0.07**		**3.13**		**57.68**		**267.44**		**2.25**	
Monthly Total in lbs.	**1,265,042**		**8.58**		**0.09**		**3.96**		**72.97**		**338.32**		**2.84**
11/3/2015	19.83	5.50		0.08		3.99		40.48		211.85		2.27	
11/17/2015	21.54	4.48		0.07		2.18		28.37		175.17		2.37	
Monthly Avg:	**20.69**	**4.99**		**0.08**		**3.08**		**34.43**		**193.51**		**2.32**	
Monthly Total in lbs.	**1,051,023**		**5.24**		**0.08**		**3.24**		**36.18**		**203.38**		**2.44**
12/1/2015	20.99	4.95		0.12		2.26		33.57		214.54		1.58	
12/8/2015	20.66	5.20		0.07		1.96		39.43		248.71		2.01	
Monthly Avg:	**20.83**	**5.07**		**0.09**		**2.11**		**36.50**		**231.63**		**1.80**	
Monthly Total in lbs.	**1,377,272**		**6.98**		**0.13**		**2.91**		**50.27**		**319.01**		**2.47**
YEARLY TOTAL LBS	**15,426,688**		**87.99**		**2.44**		**42.28**		**798.25**		**3683.90**		**71.32**

Bucklin Point Metals Loading from Final Sludge (lbs/yr)

Date	Lead		Mercury		Molybdenum		Nickel		Selenium		Silver		Zinc	
	ppm	lbs	ppm	lbs	ppm	lbs	ppm	lbs	ppm	lbs	ppm	lbs	ppm	lbs
1/6/2015	62.53		0.52		5.17		35.00		13.08		11.11		458.16	
1/20/2015	90.49		0.31		6.67		65.95		14.78		12.60		611.58	
Monthly Avg:	**76.51**		**0.42**		**5.92**		**50.48**		**13.93**		**11.85**		**534.87**	
Monthly Total in lbs.		**97.28**		**0.53**		**7.53**		**64.18**		**17.71**		**15.07**		**680.06**
2/3/2015	42.72		0.16		4.27		36.17		11.56		11.13		418.10	
2/17/2015	41.71		0.19		5.39		54.03		13.68		14.77		498.09	
Monthly Avg:	**42.22**		**0.18**		**4.83**		**45.10**		**12.62**		**12.95**		**458.09**	
Monthly Total in lbs.		**47.55**		**0.20**		**5.44**		**50.81**		**14.21**		**14.58**		**516.01**
3/3/2015	44.66		0.14		5.32		49.13		13.31		11.52		471.63	
3/17/2015	63.95		0.09		4.39		41.92		11.16		6.84		426.35	
Monthly Avg:	**54.31**		**0.11**		**4.86**		**45.52**		**12.23**		**9.18**		**448.99**	
Monthly Total in lbs.		**80.09**		**0.17**		**7.16**		**67.14**		**18.04**		**13.54**		**662.17**
4/7/2015	61.07		0.70		5.09		39.23		9.66		6.57		457.08	
4/21/2015	80.17		0.55		6.94		59.87		10.87		9.06		603.83	
Monthly Avg:	**70.62**		**0.63**		**6.02**		**49.55**		**10.26**		**7.81**		**530.45**	
Monthly Total in lbs.		**104.70**		**0.93**		**8.92**		**73.46**		**15.22**		**11.58**		**786.45**
5/5/2015	43.25		0.33		5.92		31.28		8.40		6.49		387.85	
5/19/2015	50.27		0.52		7.94		39.59		10.51		6.13		480.59	
Monthly Avg:	**46.76**		**0.43**		**6.93**		**35.43**		**9.46**		**6.31**		**434.22**	
Monthly Total in lbs.		**63.49**		**0.58**		**9.40**		**48.11**		**12.84**		**8.57**		**589.54**
6/2/2015	74.76		0.94		6.76		38.43		8.20		4.33		445.74	
6/16/2015	85.51		0.58		5.98		35.35		7.09		4.60		513.37	
Monthly Avg:	**80.13**		**0.76**		**6.37**		**36.89**		**7.64**		**4.46**		**479.56**	
Monthly Total in lbs.		**113.86**		**1.08**		**9.04**		**52.41**		**10.86**		**6.34**		**681.38**
7/7/2015	76.20		0.41		7.00		33.69		9.93		3.87		561.50	
7/21/2015	81.54		0.42		7.64		46.31		9.54		4.35		614.35	
Monthly Avg:	**78.87**		**0.42**		**7.32**		**40.00**		**9.73**		**4.11**		**587.93**	
Monthly Total in lbs.		**105.56**		**0.56**		**9.79**		**53.53**		**13.03**		**5.50**		**786.87**

Bucklin Point Metals Loading from Final Sludge (lbs/yr)

Date	Lead		Mercury		Molybdenum		Nickel		Selenium		Silver		Zinc	
	ppm	lbs	ppm	lbs	ppm	lbs	ppm	lbs	ppm	lbs	ppm	lbs	ppm	lbs
8/4/2015	74.30		0.35		8.44		38.44		11.16		4.42		578.57	
8/18/2015	81.15		0.53		7.86		47.91		9.22		6.17		684.15	
Monthly Avg:	**77.73**		**0.44**		**8.15**		**43.18**		**10.19**		**5.30**		**631.36**	
Monthly Total in lbs.		**83.74**		**0.47**		**8.78**		**46.52**		**10.97**		**5.71**		**680.24**
9/1/2015	60.86		0.45		8.67		45.49		9.26		6.19		640.95	
9/15/2015	83.84		0.63		9.39		53.48		8.83		6.17		723.76	
Monthly Avg:	**72.35**		**0.54**		**9.03**		**49.49**		**9.04**		**6.18**		**682.36**	
Monthly Total in lbs.		**85.64**		**0.64**		**10.69**		**58.58**		**10.70**		**7.32**		**807.74**
10/6/2015	84.50		0.43		6.81		46.41		9.07		5.80		527.89	
10/20/2015	63.14		0.29		7.55		44.47		10.34		5.56		807.57	
Monthly Avg:	**73.82**		**0.36**		**7.18**		**45.44**		**9.71**		**5.68**		**667.73**	
Monthly Total in lbs.		**93.38**		**0.46**		**9.08**		**57.48**		**12.28**		**7.19**		**844.71**
11/3/2015	60.41		0.45		6.23		32.30		9.31		4.13		490.83	
11/17/2015	38.25		0.34		4.23		24.53		6.81		3.33		377.06	
Monthly Avg:	**49.33**		**0.40**		**5.23**		**28.41**		**8.06**		**3.73**		**433.94**	
Monthly Total in lbs.		**51.85**		**0.42**		**5.50**		**29.86**		**8.47**		**3.92**		**456.08**
12/1/2015	42.51		0.35		4.85		31.19		6.73		3.93		444.97	
12/8/2015	50.15		0.33		5.20		41.65		7.64		5.22		537.87	
Monthly Avg:	**46.33**		**0.34**		**5.02**		**36.42**		**7.19**		**4.58**		**491.42**	
Monthly Total in lbs.		**63.81**		**0.47**		**6.92**		**50.16**		**9.90**		**6.30**		**676.82**
YEARLY TOTAL LBS		**990.96**		**6.48**		**98.26**		**652.25**		**154.23**		**105.62**		**8168.06**

Field's Point Metals Loading from Final Sludge (lbs/yr)

Year	Arsenic	Beryllium	Cadmium	Copper	Chromium	Lead	Mercury	Molybdeum	Nickel	Selenium	Silver	Zinc	Cyanide
1994			202.7	13386.0	2628.1	4297.2	74.0		4626.2		1113.9	15683.7	281.0
1995			203.5	14962.8	2824.5	3700.2	55.0		4202.3		818.1	13071.5	189.3
1996	132.3	4.9	186.4	12461.8	3473.3	3389.6	47.8	205.1	3860.3		757.7	11615.1	239.8
1997			189.7	13674.5	3654.7	4122.1	53.9		3400.3		867.9	12323.5	189.6
1998	44.6		208.7	11207.8	2655.5	2879.9	36.9		2188.6		698.3	10101.5	127.1
1999	35.4		233.3	13490.2	2315.0	2516.8	28.8	164.7	1887.7	74.9	677.4	11549.1	90.1
2000	42.4	32.3	352.8	15019.4	1747.7	2544.9	12.0	84.1	1191.9	23.5	384.0	6482.0	49.6
2001	88.1	16.9	205.7	15120.0	2379.0	2611.1	26.3	204.6	2008.3	282.0	634.9	13297.6	111.0
2002	84.9	7.6	154.5	15758.0	1757.0	3156.0	27.9	190.1	1555.0	190.4	651.5	15148.0	79.6
2003	53.6	9.7	183.8	12993.4	1976.2	3008.8	28.4	98.1	1485.4	118.2	466.3	12773.9	60.8
2004	43.4	12.1	221.0	20910.1	3774.2	2608.5	23.8	103.2	2472.9	163.4	501.2	14645.1	95.9
2005	79.5	13.9	250.7	30477.9	4970.6	2867.9	29.6	190.3	3092.9	167.2	478.5	20592.3	78.6
2006	85.2	11.7	131.8	5889.2	1448.6	2616.6	16.7	193.4	1181.6	136.4	452.8	12290.6	56.9
2007	18.5	12.2	64.5	3862.6	612.1	1033.7	6.8	157.1	526.2	41.8	173.4	6833.0	67.5
2008	32.9	48.3	66.7	5426.0	856.5	1793.2	74.0	294.3	841.1	39.2	195.7	9914.5	113.8
2009	38.0	33.0	82.5	4792.0	919.6	1771.9	8.4	300.2	769.1	26.5	132.2	10442.8	121.1
2010	44.8	27.6	73.5	6111.0	928.9	1770.2	60.6	276.2	874.0	33.0	151.0	9897.7	94.6
2011	40.8	26.1	123.7	3795.4	1156.0	1613.2	7.5	261.0	790.7	43.0	115.9	9026.6	71.5
2012	33.8	28.5	78.3	3892.6	995.0	1269.2	8.1	285.5	818.7	114.5	185.3	8760.1	199.1
2013	75.1	3.6	48.0	4202.2	1006.5	1454.2	8.0	99.9	757.9	168.3	189.9	8772.9	83.2
2014	82.1	3.9	41.3	3873.3	846.3	1153.0	6.7	100.6	709.6	181.4	131.9	7457.4	59.7
2015	88.0	2.4	42.3	3683.9	798.3	991.0	6.5	98.3	652.2	154.2	105.6	8168.1	71.3

Bucklin Point Metals Loading from Final Sludge (lbs/yr)

Date	Sludge	Arsenic		Beryllium		Cadmium		Chromium	
	Dry Tons	ppm	lbs	ppm	lbs	ppm	lbs	ppm	lbs
1/6/2015	6.89	6.65		0.69		2.51		77.92	
1/20/2015	6.78	5.91		0.68		2.18		79.25	
Monthly Avg:	**6.84**	**6.28**		**0.68**		**2.35**		**78.58**	
Monthly Total in lbs.	**312,440**		**1.96**		**0.21**		**0.73**		**24.55**
2/3/2015	7.47	5.53		0.61		2.28		98.30	
2/17/2015	5.02	5.49		0.55		2.29		118.59	
Monthly Avg:	**6.25**	**5.51**		**0.58**		**2.28**		**108.44**	
Monthly Total in lbs.	**231,920**		**1.28**		**0.14**		**0.53**		**25.15**
3/3/2015	5.08	4.78		0.36		1.78		191.45	
3/17/2015	7.34	5.70		0.15		1.94		206.30	
Monthly Avg:	**6.21**	**5.24**		**0.26**		**1.86**		**198.88**	
Monthly Total in lbs.	**347,140**		**1.82**		**0.09**		**0.64**		**69.04**
4/7/2015	6.76	5.28		0.71		4.58		144.43	
4/21/2015	7.78	5.78		0.50		2.22		137.32	
Monthly Avg:	**7.27**	**5.53**		**0.60**		**3.40**		**140.88**	
Monthly Total in lbs.	**337,100**		**1.86**		**0.20**		**1.15**		**47.49**
5/5/2015	6.54	5.32		0.53		2.04		114.54	
5/19/2015	5.18	5.98		0.61		2.24		103.72	
Monthly Avg:	**5.86**	**5.65**		**0.57**		**2.14**		**109.13**	
Monthly Total in lbs.	**315,440**		**1.78**		**0.18**		**0.67**		**34.42**
6/2/2015	6.61	5.74		0.67		2.24		104.82	
6/16/2015	7.73	5.55		0.64		1.97		96.35	
Monthly Avg:	**7.17**	**5.65**		**0.66**		**2.11**		**100.58**	
Monthly Total in lbs.	**360,160**		**2.03**		**0.24**		**0.76**		**36.23**
7/7/2015	**5.62**	5.96		0.53		1.70		98.30	
7/21/2015	6.16	6.57		0.69		1.66		99.98	
Monthly Avg:	**5.89**	**6.27**		**0.61**		**1.68**		**99.14**	
Monthly Total in lbs.	**366,340**		**2.30**		**0.22**		**0.62**		**36.32**
8/5/2015	7.25	6.62		0.60		1.82		103.93	
8/18/2015	5.03	7.52		0.70		1.71		121.16	
Monthly Avg:	**6.14**	**7.07**		**0.65**		**1.77**		**112.55**	
Monthly Total in lbs.	**345,480**		**2.44**		**0.22**		**0.61**		**38.88**

Bucklin Point Metals Loading from Final Sludge (lbs/yr)

Date	Sludge	Arsenic		Beryllium		Cadmium		Chromium	
	Dry Tons	ppm	lbs	ppm	lbs	ppm	lbs	ppm	lbs
9/1/2015	3.50	7.81		0.70		1.71		91.36	
9/15/2015	5.27	6.97		0.54		1.49		80.28	
Monthly Avg:	**4.38**	**7.39**		**0.62**		**1.60**		**85.82**	
Monthly Total in lbs.	**309,420**		**2.29**		**0.19**		**0.50**		**26.56**
10/6/2015	6.49	9.41		0.54		1.69		93.36	
10/20/2015	15.46	7.69		0.48		1.30		80.68	
Monthly Avg:	**10.97**	**8.55**		**0.51**		**1.49**		**87.02**	
Monthly Total in lbs.	**427,780**		**3.66**		**0.22**		**0.64**		**37.23**
11/3/2015	6.91	4.75		0.33		0.71		61.68	
11/17/2015	6.24	5.49		0.52		0.72		64.70	
Monthly Avg:	**6.57**	**5.12**		**0.42**		**0.71**		**63.19**	
Monthly Total in lbs.	**356,360**		**1.82**		**0.15**		**0.25**		**22.52**
12/1/2015	6.95	5.43		0.59		0.79		60.42	
12/8/2015	6.58	5.70		0.55		0.87		64.62	
Monthly Avg:	**6.76**	**5.57**		**0.57**		**0.83**		**62.52**	
Monthly Total in lbs.	**389,080**		**2.17**		**0.22**		**0.32**		**24.33**
YEARLY TOTAL LBS	**4,098,660**		**25.41**		**2.29**		**7.43**		**422.71**

Bucklin Point Metals Loading from Final Sludge (lbs/yr)

Date	Copper		Cyanide		Lead		Mercury	
	ppm	lbs	ppm	lbs	ppm	lbs	ppm	lbs
1/6/2015	700.57		4.20		94.98		1.20	
1/20/2015	603.05		4.00		81.90		0.76	
Monthly Avg:	**651.81**		**4.10**		**88.44**		**0.98**	
Monthly Total in lbs.		**203.65**		**1.28**		**27.63**		**0.31**
2/3/2015	643.12		5.78		75.07		0.62	
2/17/2015	671.42		5.38		73.03		0.50	
Monthly Avg:	**657.27**		**5.58**		**74.05**		**0.56**	
Monthly Total in lbs.		**152.43**		**1.29**		**17.17**		**0.13**
3/3/2015	627.79		4.40		68.39		0.52	
3/17/2015	714.19		10.00		80.24		0.43	
Monthly Avg:	**670.99**		**7.20**		**74.31**		**0.48**	
Monthly Total in lbs.		**232.93**		**2.50**		**25.80**		**0.16**
4/7/2015	567.42		18.00		79.36		0.50	
4/21/2015	648.31		16.60		79.76		0.39	
Monthly Avg:	**607.87**		**17.30**		**79.56**		**0.45**	
Monthly Total in lbs.		**204.91**		**5.83**		**26.82**		**0.15**
5/5/2015	543.57		6.58		73.58		0.72	
5/19/2015	614.08		3.92		74.76		0.38	
Monthly Avg:	**578.83**		**5.25**		**74.17**		**0.55**	
Monthly Total in lbs.		**182.58**		**1.66**		**23.40**		**0.17**
6/2/2015	779.83		5.76		87.21		0.44	
6/16/2015	775.78		8.12		89.84		0.79	
Monthly Avg:	**777.81**		**6.94**		**88.52**		**0.62**	
Monthly Total in lbs.		**280.13**		**2.50**		**31.88**		**0.22**
7/7/2015	810.14		3.80		105.10		1.00	
7/21/2015	903.19		3.80		119.10		0.85	
Monthly Avg:	**856.66**		**3.80**		**112.10**		**0.93**	
Monthly Total in lbs.		**313.83**		**1.39**		**41.07**		**0.34**
8/5/2015	962.64		3.90		109.23		1.00	
8/18/2015	1049.24		5.00		128.28		1.20	
Monthly Avg:	**1005.94**		**4.45**		**118.76**		**1.10**	
Monthly Total in lbs.		**347.53**		**1.54**		**41.03**		**0.38**

Bucklin Point Metals Loading from Final Sludge (lbs/yr)

Date	Copper		Cyanide		Lead		Mercury	
	ppm	lbs	ppm	lbs	ppm	lbs	ppm	lbs
9/1/2015	886.65		1.70		118.88		0.91	
9/15/2015	793.21		1.70		97.42		0.91	
Monthly Avg:	**839.93**		**1.70**		**108.15**		**0.91**	
Monthly Total in lbs.		**259.89**		**0.53**		**33.46**		**0.28**
10/6/2015	1047.32		1.84		117.09		1.30	
10/20/2015	882.52		2.09		107.35		0.66	
Monthly Avg:	**964.92**		**1.97**		**112.22**		**0.98**	
Monthly Total in lbs.		**412.77**		**0.84**		**48.00**		**0.42**
11/3/2015	630.95		2.04		68.56		0.91	
11/17/2015	728.17		2.81		68.55		1.30	
Monthly Avg:	**679.56**		**2.43**		**68.55**		**1.11**	
Monthly Total in lbs.		**242.17**		**0.86**		**24.43**		**0.39**
12/1/2015	713.69		2.79		67.16		0.95	
12/8/2015	789.77		5.36		72.67		0.83	
Monthly Avg:	**751.73**		**4.08**		**69.91**		**0.89**	
Monthly Total in lbs.		**292.48**		**1.59**		**27.20**		**0.35**
YEARLY TOTAL LBS		**3125.32**		**21.81**		**367.89**		**3.31**

Bucklin Point Metals Loading from Final Sludge (lbs/yr)

Date	Molybdenum		Nickel		Selenium		Silver		Zinc	
	ppm	lbs	ppm	lbs	ppm	lbs	ppm	lbs	ppm	lbs
1/6/2015	11.83		111.37		9.54		12.93		817.33	
1/20/2015	10.33		101.26		8.64		11.33		745.66	
Monthly Avg:	**11.08**		**106.31**		**9.09**		**12.13**		**781.50**	
Monthly Total in lbs.		**3.46**		**33.22**		**2.84**		**3.79**		**244.17**
2/3/2015	10.50		98.30		7.70		11.66		709.80	
2/17/2015	11.31		110.52		8.72		12.12		741.18	
Monthly Avg:	**10.91**		**104.41**		**8.21**		**11.89**		**725.49**	
Monthly Total in lbs.		**2.53**		**24.21**		**1.90**		**2.76**		**168.26**
3/3/2015	10.37		133.66		7.23		11.58		725.49	
3/17/2015	11.08		141.55		7.57		11.96		810.99	
Monthly Avg:	**10.73**		**137.61**		**7.40**		**11.77**		**768.24**	
Monthly Total in lbs.		**3.72**		**47.77**		**2.57**		**4.09**		**266.69**
4/7/2015	9.58		98.80		6.25		9.52		615.03	
4/21/2015	10.39		93.51		7.05		9.45		695.46	
Monthly Avg:	**9.99**		**96.16**		**6.65**		**9.49**		**655.25**	
Monthly Total in lbs.		**3.37**		**32.41**		**2.24**		**3.20**		**220.88**
5/5/2015	10.31		82.70		5.96		8.64		644.52	
5/19/2015	10.93		76.40		7.21		10.70		729.09	
Monthly Avg:	**10.62**		**79.55**		**6.58**		**9.67**		**686.81**	
Monthly Total in lbs.		**3.35**		**25.09**		**2.08**		**3.05**		**216.65**
6/2/2015	12.39		84.90		7.97		12.49		905.61	
6/16/2015	12.14		88.88		7.91		12.18		909.87	
Monthly Avg:	**12.27**		**86.89**		**7.94**		**12.34**		**907.74**	
Monthly Total in lbs.		**4.42**		**31.29**		**2.86**		**4.44**		**326.93**
7/7/2015	12.28		80.63		6.94		12.53		996.64	
7/21/2015	13.03		78.39		8.67		13.05		1107.69	
Monthly Avg:	**12.65**		**79.51**		**7.80**		**12.79**		**1052.16**	
Monthly Total in lbs.		**4.64**		**29.13**		**2.86**		**4.68**		**385.45**
8/5/2015	13.42		88.21		9.47		14.77		1100.16	
8/18/2015	15.02		99.81		8.89		17.50		1253.61	
Monthly Avg:	**14.22**		**94.01**		**9.18**		**16.14**		**1176.89**	
Monthly Total in lbs.		**4.91**		**32.48**		**3.17**		**5.57**		**406.59**

Bucklin Point Metals Loading from Final Sludge (lbs/yr)

Date	Molybdenum		Nickel		Selenium		Silver		Zinc	
	ppm	lbs	ppm	lbs	ppm	lbs	ppm	lbs	ppm	lbs
9/1/2015	13.67		78.59		7.63		14.93		1151.03	
9/15/2015	12.73		62.96		6.95		14.55		1003.06	
Monthly Avg:	**13.20**		**70.77**		**7.29**		**14.74**		**1077.04**	
Monthly Total in lbs.		**4.08**		**21.90**		**2.26**		**4.56**		**333.26**
10/6/2015	14.32		72.76		10.94		21.18		1194.41	
10/20/2015	12.83		59.01		8.98		16.79		985.73	
Monthly Avg:	**13.58**		**65.88**		**9.96**		**18.99**		**1090.07**	
Monthly Total in lbs.		**5.81**		**28.18**		**4.26**		**8.12**		**466.31**
11/3/2015	10.64		48.13		5.58		12.13		754.31	
11/17/2015	12.39		50.40		6.32		14.93		740.99	
Monthly Avg:	**11.51**		**49.26**		**5.95**		**13.53**		**747.65**	
Monthly Total in lbs.		**4.10**		**17.56**		**2.12**		**4.82**		**266.43**
12/1/2015	11.98		49.90		6.72		13.79		774.75	
12/8/2015	12.58		68.10		7.38		14.73		861.57	
Monthly Avg:	**12.28**		**59.00**		**7.05**		**14.26**		**818.16**	
Monthly Total in lbs.		**4.78**		**22.95**		**2.74**		**5.55**		**318.33**
YEARLY TOTAL LBS		**49.17**		**346.20**		**31.90**		**54.64**		**3619.95**

Bucklin Point Metals Loading from Final Sludge (lbs/yr)

Year	Arsenic	Beryllium	Cadmium	Copper	Chromium	Lead	Mercury	Molybdeum	Nickel	Selenium	Silver	Zinc	Cyanide
1994	16.2		35.4	3839.7	655.5	723.4	84.2		627.6		171.3	4234.5	64.3
1995			35.8	4306.7	681.0	551.8	55.9		539.8		126.2	3495.8	57.6
1996													
1997	16.0		52.9	4589.3	1177.6	1183.6	16.0		1074.4		339.8	4349.4	58.9
1998	12.2		44.8	4743.4	1263.0	1128.3	12.2		977.8		463.4	5838.9	27.7
1999	11.1		44.4	3906.8	993.6	930.3	11.1		716.9		473.0	5945.8	24.3
2000	38.3		60.8	5164.7	1304.1	1073.2	16.8	171.8	1345.4		467.7	7104.0	24.8
2001	57.8	13.6	38.6	4132.9	1003.3	900.1	12.0	167.4	985.3	44.4	371.2	6336.5	33.6
2002	43.7	6.1	27.1	4565.0	755.0	1034.3	18.0	148.9	840.7	37.6	385.8	7226.0	13.3
2003	30.2	6.6	29.2	3439.4	2669.3	772.3	10.0	69.3	868.1	32.1	273.0	5973.1	8.9
2004	27.6	7.3	45.5	3733.7	851.5	739.0	11.6	62.0	794.7	36.1	225.0	6759.2	7.6
2005	18.8	5.9	30.9	4468.6	969.5	682.1	8.9	77.4	781.5	32.5	153.0	5469.7	10.3
2006	25.5	2.0	24.4	3657.0	2398.8	713.0	6.8	37.1	1089.2	33.9	165.4	4953.9	12.0
2007	11.2	5.2	25.7	4676.1	4143.3	633.5	9.3	70.7	1389.7	14.4	177.5	5635.0	22.8
2008	8.9	14.1	23.3	4209.5	5594.6	585.4	36.0	84.7	1568.6	17.4	116.8	5519.0	27.4
2009	18.1	8.2	20.6	3132.4	1054.3	516.6	4.6	79.6	438.2	14.6	62.5	4895.0	19.3
2010	20.7	7.0	17.5	3075.2	619.0	445.7	14.4	74.3	318.1	14.6	58.1	3949.5	17.1
2011	19.3	9.0	13.9	2159.5	499.9	474.2	4.9	90.0	294.1	15.1	66.4	3583.1	14.5
2012	18.2	8.4	13.5	2502.2	370.6	370.7	4.3	84.3	269.2	16.0	56.8	3388.8	24.9
2013	21.1	1.9	11.7	2493.6	349.5	381.4	4.0	45.4	271.9	21.2	54.1	3264.5	19.6
2014	26.6	2.5	11.1	3268.3	432.7	373.4	2.9	51.5	335.1	30.3	57.8	3499.3	19.1
2015	23.2	2.1	7.1	2832.8	398.4	340.7	3.0	44.4	323.2	29.2	49.1	3301.6	20.2

Field's Point Influent Grab Samples			
Sample Date	**Parameter**	**Result**	**Units**
1/6/2015	1,1,1-Trichloroethane	<1	ppb
1/6/2015	1,1,2,2-Tetrachlorethane	<1	ppb
1/6/2015	1,1,2-Trichloroethane	<1	ppb
1/6/2015	1,1-Dichloroethane	<1	ppb
1/6/2015	1,1-Dichloroethene	<1	ppb
1/6/2015	1,2-dichlorobenzene	<1	ppb
1/6/2015	1,2-Dichloroethane	<1	ppb
1/6/2015	1,2-Dichloropropane	<1	ppb
1/6/2015	1,3-dichlorobenzene	<1	ppb
1/6/2015	1,4-dichlorobenzene	<1	ppb
1/6/2015	2-Chloroethylvinylether	<2	ppb
1/6/2015	Benzene	<1	ppb
1/6/2015	Bromodichloromethane	<1	ppb
1/6/2015	Bromoform	<1	ppb
1/6/2015	Bromomethane	<10	ppb
1/6/2015	Carbon Tetrachloride	<1	ppb
1/6/2015	Chlorobenzene	<1	ppb
1/6/2015	Chloroethane	<10	ppb
1/6/2015	Chloroform	4	ppb
1/6/2015	Chloromethane	<10	ppb
1/6/2015	cis-1,3-Dichloropropene	<1	ppb
1/6/2015	Dibromochloromethane	<1	ppb
1/6/2015	Ethylbenzene	<1	ppb
1/6/2015	Methylene Chloride	<5	ppb
1/6/2015	o- xylene	<1	ppb
1/6/2015	p&m xylene	<1	ppb
1/6/2015	Tetrachlorethene	2	ppb
1/6/2015	Toluene	1	ppb
1/6/2015	Trans-1,2-Dichloroethene	<1	ppb
1/6/2015	Trans-1,3-Dichloropropene	<1	ppb
1/6/2015	Trichlorethene	1	ppb
1/6/2015	Trichlorofluoromethane	<1	ppb
1/6/2015	Vinyl Chloride	<1	ppb
2/3/2015	1,1,1-Trichloroethane	<1	ppb
2/3/2015	1,1,2,2-Tetrachlorethane	<1	ppb
2/3/2015	1,1,2-Trichloroethane	<1	ppb
2/3/2015	1,1-Dichloroethane	<1	ppb
2/3/2015	1,1-Dichloroethene	<1	ppb
2/3/2015	1,2-dichlorobenzene	<1	ppb
2/3/2015	1,2-Dichloroethane	<1	ppb
2/3/2015	1,2-Dichloropropane	<1	ppb
2/3/2015	1,3-dichlorobenzene	<1	ppb
2/3/2015	1,4-dichlorobenzene	<1	ppb
2/3/2015	2-Chloroethylvinylether	<2	ppb
2/3/2015	Benzene	<1	ppb
2/3/2015	Bromodichloromethane	<1	ppb
2/3/2015	Bromoform	<1	ppb
2/3/2015	Bromomethane	<10	ppb
2/3/2015	Carbon Tetrachloride	<1	ppb
2/3/2015	Chlorobenzene	<1	ppb
2/3/2015	Chloroethane	<10	ppb
2/3/2015	Chloroform	3	ppb
2/3/2015	Chloromethane	<10	ppb
2/3/2015	cis-1,3-Dichloropropene	<1	ppb
2/3/2015	Dibromochloromethane	<1	ppb
2/3/2015	Ethylbenzene	<1	ppb
2/3/2015	Methylene Chloride	8	ppb
2/3/2015	o- xylene	<1	ppb
2/3/2015	p&m xylene	<1	ppb

Field's Point Effluent Grab Samples			
Sample Date	**Parameter**	**Result**	**Units**
1/7/2015	1,1,1-Trichloroethane	<1	ppb
1/7/2015	1,1,2,2-Tetrachlorethane	<1	ppb
1/7/2015	1,1,2-Trichloroethane	<1	ppb
1/7/2015	1,1-Dichloroethane	<1	ppb
1/7/2015	1,1-Dichloroethene	<1	ppb
1/7/2015	1,2-dichlorobenzene	<1	ppb
1/7/2015	1,2-Dichloroethane	<1	ppb
1/7/2015	1,2-Dichloropropane	<1	ppb
1/7/2015	1,3-dichlorobenzene	<1	ppb
1/7/2015	1,4-dichlorobenzene	<1	ppb
1/7/2015	2-Chloroethylvinylether	<2	ppb
1/7/2015	Benzene	<1	ppb
1/7/2015	Bromodichloromethane	<1	ppb
1/7/2015	Bromoform	<1	ppb
1/7/2015	Bromomethane	<10	ppb
1/7/2015	Carbon Tetrachloride	<1	ppb
1/7/2015	Chlorobenzene	<1	ppb
1/7/2015	Chloroethane	<10	ppb
1/7/2015	Chloroform	1	ppb
1/7/2015	Chloromethane	<10	ppb
1/7/2015	cis-1,3-Dichloropropene	<1	ppb
1/7/2015	Dibromochloromethane	<1	ppb
1/7/2015	Ethylbenzene	<1	ppb
1/7/2015	Methylene Chloride	<5	ppb
1/7/2015	o- xylene	<1	ppb
1/7/2015	p&m xylene	<1	ppb
1/7/2015	Tetrachlorethene	<1	ppb
1/7/2015	Toluene	<1	ppb
1/7/2015	Trans-1,2-Dichloroethene	<1	ppb
1/7/2015	Trans-1,3-Dichloropropene	<1	ppb
1/7/2015	Trichlorethene	<1	ppb
1/7/2015	Trichlorofluoromethane	<1	ppb
1/7/2015	Vinyl Chloride	<1	ppb
2/4/2015	1,1,1-Trichloroethane	<1	ppb
2/4/2015	1,1,2,2-Tetrachlorethane	<1	ppb
2/4/2015	1,1,2-Trichloroethane	<1	ppb
2/4/2015	1,1-Dichloroethane	<1	ppb
2/4/2015	1,1-Dichloroethene	<1	ppb
2/4/2015	1,2-dichlorobenzene	<1	ppb
2/4/2015	1,2-Dichloroethane	<1	ppb
2/4/2015	1,2-Dichloropropane	<1	ppb
2/4/2015	1,3-dichlorobenzene	<1	ppb
2/4/2015	1,4-dichlorobenzene	<1	ppb
2/4/2015	2-Chloroethylvinylether	<2	ppb
2/4/2015	Benzene	<1	ppb
2/4/2015	Bromodichloromethane	<1	ppb
2/4/2015	Bromoform	<1	ppb
2/4/2015	Bromomethane	<10	ppb
2/4/2015	Carbon Tetrachloride	<1	ppb
2/4/2015	Chlorobenzene	<1	ppb
2/4/2015	Chloroethane	<10	ppb
2/4/2015	Chloroform	1	ppb
2/4/2015	Chloromethane	<10	ppb
2/4/2015	cis-1,3-Dichloropropene	<1	ppb
2/4/2015	Dibromochloromethane	<1	ppb
2/4/2015	Ethylbenzene	<1	ppb
2/4/2015	Methylene Chloride	<5	ppb
2/4/2015	o- xylene	<1	ppb
2/4/2015	p&m xylene	<1	ppb

Field's Point Influent Grab Samples			
Sample Date	**Parameter**	**Result**	**Units**
2/3/2015	Tetrachlorethene	1	ppb
2/3/2015	Toluene	2	ppb
2/3/2015	Trans-1,2-Dichloroethene	<1	ppb
2/3/2015	Trans-1,3-Dichloropropene	<1	ppb
2/3/2015	Trichlorethene	1	ppb
2/3/2015	Trichlorofluoromethane	<1	ppb
2/3/2015	Vinyl Chloride	<1	ppb
3/3/2015	1,1,1-Trichloroethane	<1	ppb
3/3/2015	1,1,2,2-Tetrachlorethane	<1	ppb
3/3/2015	1,1,2-Trichloroethane	<1	ppb
3/3/2015	1,1-Dichloroethane	<1	ppb
3/3/2015	1,1-Dichloroethene	<1	ppb
3/3/2015	1,2-dichlorobenzene	<1	ppb
3/3/2015	1,2-Dichloroethane	<1	ppb
3/3/2015	1,2-Dichloropropane	<1	ppb
3/3/2015	1,3-dichlorobenzene	<1	ppb
3/3/2015	1,4-dichlorobenzene	<1	ppb
3/3/2015	2-Chloroethylvinylether	<2	ppb
3/3/2015	Benzene	<1	ppb
3/3/2015	Bromodichloromethane	<1	ppb
3/3/2015	Bromoform	<1	ppb
3/3/2015	Bromomethane	<10	ppb
3/3/2015	Carbon Tetrachloride	<1	ppb
3/3/2015	Chlorobenzene	<1	ppb
3/3/2015	Chloroethane	<10	ppb
3/3/2015	Chloroform	4	ppb
3/3/2015	Chloromethane	<10	ppb
3/3/2015	cis-1,3-Dichloropropene	<1	ppb
3/3/2015	Dibromochloromethane	<1	ppb
3/3/2015	Ethylbenzene	<1	ppb
3/3/2015	Methylene Chloride	<5	ppb
3/3/2015	o- xylene	<1	ppb
3/3/2015	p&m xylene	<1	ppb
3/3/2015	Tetrachlorethene	1	ppb
3/3/2015	Toluene	2	ppb
3/3/2015	Trans-1,2-Dichloroethene	<1	ppb
3/3/2015	Trans-1,3-Dichloropropene	<1	ppb
3/3/2015	Trichlorethene	1	ppb
3/3/2015	Trichlorofluoromethane	<1	ppb
3/3/2015	Vinyl Chloride	<1	ppb
4/7/2015	1,1,1-Trichloroethane	<1	ppb
4/7/2015	1,1,2,2-Tetrachlorethane	<1	ppb
4/7/2015	1,1,2-Trichloroethane	<1	ppb
4/7/2015	1,1-Dichloroethane	<1	ppb
4/7/2015	1,1-Dichloroethene	<1	ppb
4/7/2015	1,2-dichlorobenzene	<1	ppb
4/7/2015	1,2-Dichloroethane	<1	ppb
4/7/2015	1,2-Dichloropropane	<1	ppb
4/7/2015	1,3-dichlorobenzene	<1	ppb
4/7/2015	1,4-dichlorobenzene	<1	ppb
4/7/2015	2-Chloroethylvinylether	<2	ppb
4/7/2015	Benzene	<1	ppb
4/7/2015	Bromodichloromethane	<1	ppb
4/7/2015	Bromoform	<1	ppb
4/7/2015	Bromomethane	<10	ppb
4/7/2015	Carbon Tetrachloride	<1	ppb
4/7/2015	Chlorobenzene	<1	ppb
4/7/2015	Chloroethane	<10	ppb
4/7/2015	Chloroform	4	ppb

Field's Point Effluent Grab Samples			
Sample Date	**Parameter**	**Result**	**Units**
2/4/2015	Tetrachlorethene	<1	ppb
2/4/2015	Toluene	<1	ppb
2/4/2015	Trans-1,2-Dichloroethene	<1	ppb
2/4/2015	Trans-1,3-Dichloropropene	<1	ppb
2/4/2015	Trichlorethene	<1	ppb
2/4/2015	Trichlorofluoromethane	<1	ppb
2/4/2015	Vinyl Chloride	<1	ppb
3/4/2015	1,1,1-Trichloroethane	<1	ppb
3/4/2015	1,1,2,2-Tetrachlorethane	<1	ppb
3/4/2015	1,1,2-Trichloroethane	<1	ppb
3/4/2015	1,1-Dichloroethane	<1	ppb
3/4/2015	1,1-Dichloroethene	<1	ppb
3/4/2015	1,2-dichlorobenzene	<1	ppb
3/4/2015	1,2-Dichloroethane	<1	ppb
3/4/2015	1,2-Dichloropropane	<1	ppb
3/4/2015	1,3-dichlorobenzene	<1	ppb
3/4/2015	1,4-dichlorobenzene	<1	ppb
3/4/2015	2-Chloroethylvinylether	<2	ppb
3/4/2015	Benzene	<1	ppb
3/4/2015	Bromodichloromethane	<1	ppb
3/4/2015	Bromoform	<1	ppb
3/4/2015	Bromomethane	<10	ppb
3/4/2015	Carbon Tetrachloride	<1	ppb
3/4/2015	Chlorobenzene	<1	ppb
3/4/2015	Chloroethane	<10	ppb
3/4/2015	Chloroform	1	ppb
3/4/2015	Chloromethane	<10	ppb
3/4/2015	cis-1,3-Dichloropropene	<1	ppb
3/4/2015	Dibromochloromethane	<1	ppb
3/4/2015	Ethylbenzene	<1	ppb
3/4/2015	Methylene Chloride	<5	ppb
3/4/2015	o- xylene	<1	ppb
3/4/2015	p&m xylene	<1	ppb
3/4/2015	Tetrachlorethene	<1	ppb
3/4/2015	Toluene	<1	ppb
3/4/2015	Trans-1,2-Dichloroethene	<1	ppb
3/4/2015	Trans-1,3-Dichloropropene	<1	ppb
3/4/2015	Trichlorethene	<1	ppb
3/4/2015	Trichlorofluoromethane	<1	ppb
3/4/2015	Vinyl Chloride	<1	ppb
4/8/2015	1,1,1-Trichloroethane	<1	ppb
4/8/2015	1,1,2,2-Tetrachlorethane	<1	ppb
4/8/2015	1,1,2-Trichloroethane	<1	ppb
4/8/2015	1,1-Dichloroethane	<1	ppb
4/8/2015	1,1-Dichloroethene	<1	ppb
4/8/2015	1,2-dichlorobenzene	<1	ppb
4/8/2015	1,2-Dichloroethane	<1	ppb
4/8/2015	1,2-Dichloropropane	<1	ppb
4/8/2015	1,3-dichlorobenzene	<1	ppb
4/8/2015	1,4-dichlorobenzene	<1	ppb
4/8/2015	2-Chloroethylvinylether	<2	ppb
4/8/2015	Benzene	<1	ppb
4/8/2015	Bromodichloromethane	1	ppb
4/8/2015	Bromoform	<1	ppb
4/8/2015	Bromomethane	<10	ppb
4/8/2015	Carbon Tetrachloride	<1	ppb
4/8/2015	Chlorobenzene	<1	ppb
4/8/2015	Chloroethane	<10	ppb
4/8/2015	Chloroform	3	ppb

Field's Point Influent Grab Samples			
Sample Date	**Parameter**	**Result**	**Units**
4/7/2015	Chloromethane	<10	ppb
4/7/2015	cis-1,3-Dichloropropene	<1	ppb
4/7/2015	Dibromochloromethane	<1	ppb
4/7/2015	Ethylbenzene	<1	ppb
4/7/2015	Methylene Chloride	<5	ppb
4/7/2015	o- xylene	2	ppb
4/7/2015	p&m xylene	4	ppb
4/7/2015	Tetrachlorethene	3	ppb
4/7/2015	Toluene	3	ppb
4/7/2015	Trans-1,2-Dichloroethene	<1	ppb
4/7/2015	Trans-1,3-Dichloropropene	<1	ppb
4/7/2015	Trichlorethene	1	ppb
4/7/2015	Trichlorofluoromethane	<1	ppb
4/7/2015	Vinyl Chloride	<1	ppb
5/5/2015	1,1,1-Trichloroethane	<1	ppb
5/5/2015	1,1,2,2-Tetrachlorethane	<1	ppb
5/5/2015	1,1,2-Trichloroethane	<1	ppb
5/5/2015	1,1-Dichloroethane	<1	ppb
5/5/2015	1,1-Dichloroethene	<1	ppb
5/5/2015	1,2-dichlorobenzene	<1	ppb
5/5/2015	1,2-Dichloroethane	<1	ppb
5/5/2015	1,2-Dichloropropane	<1	ppb
5/5/2015	1,3-dichlorobenzene	<1	ppb
5/5/2015	1,4-dichlorobenzene	<1	ppb
5/5/2015	2-Chloroethylvinylether	<2	ppb
5/5/2015	Benzene	<1	ppb
5/5/2015	Bromodichloromethane	<1	ppb
5/5/2015	Bromoform	<1	ppb
5/5/2015	Bromomethane	<10	ppb
5/5/2015	Carbon Tetrachloride	<1	ppb
5/5/2015	Chlorobenzene	<1	ppb
5/5/2015	Chloroethane	<10	ppb
5/5/2015	Chloroform	7	ppb
5/5/2015	Chloromethane	<10	ppb
5/5/2015	cis-1,3-Dichloropropene	<1	ppb
5/5/2015	Dibromochloromethane	<1	ppb
5/5/2015	Ethylbenzene	<1	ppb
5/5/2015	Methylene Chloride	15	ppb
5/5/2015	o- xylene	<1	ppb
5/5/2015	p&m xylene	<1	ppb
5/5/2015	Tetrachlorethene	2	ppb
5/5/2015	Toluene	3	ppb
5/5/2015	Trans-1,2-Dichloroethene	<1	ppb
5/5/2015	Trans-1,3-Dichloropropene	<1	ppb
5/5/2015	Trichlorethene	1	ppb
5/5/2015	Trichlorofluoromethane	<1	ppb
5/5/2015	Vinyl Chloride	<1	ppb
6/9/2015	1,1,1-Trichloroethane	<1	ppb
6/9/2015	1,1,2,2-Tetrachlorethane	<1	ppb
6/9/2015	1,1,2-Trichloroethane	<1	ppb
6/9/2015	1,1-Dichloroethane	<1	ppb
6/9/2015	1,1-Dichloroethene	<1	ppb
6/9/2015	1,2-dichlorobenzene	<1	ppb
6/9/2015	1,2-Dichloroethane	<1	ppb
6/9/2015	1,2-Dichloropropane	<1	ppb
6/9/2015	1,3-dichlorobenzene	<1	ppb
6/9/2015	1,4-dichlorobenzene	<1	ppb
6/9/2015	2-Chloroethylvinylether	<2	ppb
6/9/2015	Benzene	<1	ppb

Field's Point Effluent Grab Samples			
Sample Date	**Parameter**	**Result**	**Units**
4/8/2015	Chloromethane	<10	ppb
4/8/2015	cis-1,3-Dichloropropene	<1	ppb
4/8/2015	Dibromochloromethane	<1	ppb
4/8/2015	Ethylbenzene	<1	ppb
4/8/2015	Methylene Chloride	<5	ppb
4/8/2015	o- xylene	<1	ppb
4/8/2015	p&m xylene	<1	ppb
4/8/2015	Tetrachlorethene	<1	ppb
4/8/2015	Toluene	<1	ppb
4/8/2015	Trans-1,2-Dichloroethene	<1	ppb
4/8/2015	Trans-1,3-Dichloropropene	<1	ppb
4/8/2015	Trichlorethene	<1	ppb
4/8/2015	Trichlorofluoromethane	<1	ppb
4/8/2015	Vinyl Chloride	<1	ppb
5/6/2015	1,1,1-Trichloroethane	<1	ppb
5/6/2015	1,1,2,2-Tetrachlorethane	<1	ppb
5/6/2015	1,1,2-Trichloroethane	<1	ppb
5/6/2015	1,1-Dichloroethane	<1	ppb
5/6/2015	1,1-Dichloroethene	<1	ppb
5/6/2015	1,2-dichlorobenzene	<1	ppb
5/6/2015	1,2-Dichloroethane	<1	ppb
5/6/2015	1,2-Dichloropropane	<1	ppb
5/6/2015	1,3-dichlorobenzene	<1	ppb
5/6/2015	1,4-dichlorobenzene	<1	ppb
5/6/2015	2-Chloroethylvinylether	<2	ppb
5/6/2015	Benzene	<1	ppb
5/6/2015	Bromodichloromethane	11	ppb
5/6/2015	Bromoform	1	ppb
5/6/2015	Bromomethane	<10	ppb
5/6/2015	Carbon Tetrachloride	<1	ppb
5/6/2015	Chlorobenzene	<1	ppb
5/6/2015	Chloroethane	<10	ppb
5/6/2015	Chloroform	8	ppb
5/6/2015	Chloromethane	<10	ppb
5/6/2015	cis-1,3-Dichloropropene	<1	ppb
5/6/2015	Dibromochloromethane	7	ppb
5/6/2015	Ethylbenzene	<1	ppb
5/6/2015	Methylene Chloride	<5	ppb
5/6/2015	o- xylene	<1	ppb
5/6/2015	p&m xylene	<1	ppb
5/6/2015	Tetrachlorethene	<1	ppb
5/6/2015	Toluene	<1	ppb
5/6/2015	Trans-1,2-Dichloroethene	<1	ppb
5/6/2015	Trans-1,3-Dichloropropene	<1	ppb
5/6/2015	Trichlorethene	<1	ppb
5/6/2015	Trichlorofluoromethane	<1	ppb
5/6/2015	Vinyl Chloride	<1	ppb
6/10/2015	1,1,1-Trichloroethane	<1	ppb
6/10/2015	1,1,2,2-Tetrachlorethane	<1	ppb
6/10/2015	1,1,2-Trichloroethane	<1	ppb
6/10/2015	1,1-Dichloroethane	<1	ppb
6/10/2015	1,1-Dichloroethene	<1	ppb
6/10/2015	1,2-dichlorobenzene	<1	ppb
6/10/2015	1,2-Dichloroethane	<1	ppb
6/10/2015	1,2-Dichloropropane	<1	ppb
6/10/2015	1,3-dichlorobenzene	<1	ppb
6/10/2015	1,4-dichlorobenzene	<1	ppb
6/10/2015	2-Chloroethylvinylether	<2	ppb
6/10/2015	Benzene	<1	ppb

Field's Point Influent Grab Samples			
Sample Date	**Parameter**	**Result**	**Units**
6/9/2015	Bromodichloromethane	<1	ppb
6/9/2015	Bromoform	<1	ppb
6/9/2015	Bromomethane	<10	ppb
6/9/2015	Carbon Tetrachloride	<1	ppb
6/9/2015	Chlorobenzene	<1	ppb
6/9/2015	Chloroethane	<10	ppb
6/9/2015	Chloroform	5	ppb
6/9/2015	Chloromethane	<10	ppb
6/9/2015	cis-1,3-Dichloropropene	<1	ppb
6/9/2015	Dibromochloromethane	<1	ppb
6/9/2015	Ethylbenzene	<1	ppb
6/9/2015	Methylene Chloride	<5	ppb
6/9/2015	o- xylene	<1	ppb
6/9/2015	p&m xylene	<1	ppb
6/9/2015	Tetrachlorethene	2	ppb
6/9/2015	Toluene	5	ppb
6/9/2015	Trans-1,2-Dichloroethene	<1	ppb
6/9/2015	Trans-1,3-Dichloropropene	<1	ppb
6/9/2015	Trichlorethene	1	ppb
6/9/2015	Trichlorofluoromethane	<1	ppb
6/9/2015	Vinyl Chloride	<1	ppb
7/7/2015	1,1,1-Trichloroethane	<1	ppb
7/7/2015	1,1,2,2-Tetrachlorethane	<1	ppb
7/7/2015	1,1,2-Trichloroethane	<1	ppb
7/7/2015	1,1-Dichloroethane	<1	ppb
7/7/2015	1,1-Dichloroethene	<1	ppb
7/7/2015	1,2-dichlorobenzene	<1	ppb
7/7/2015	1,2-Dichloroethane	<1	ppb
7/7/2015	1,2-Dichloropropane	<1	ppb
7/7/2015	1,3-dichlorobenzene	<1	ppb
7/7/2015	1,4-dichlorobenzene	<1	ppb
7/7/2015	2-Chloroethylvinylether	<2	ppb
7/7/2015	Benzene	<1	ppb
7/7/2015	Bromodichloromethane	<1	ppb
7/7/2015	Bromoform	<1	ppb
7/7/2015	Bromomethane	<10	ppb
7/7/2015	Carbon Tetrachloride	<1	ppb
7/7/2015	Chlorobenzene	<1	ppb
7/7/2015	Chloroethane	<10	ppb
7/7/2015	Chloroform	4	ppb
7/7/2015	Chloromethane	<10	ppb
7/7/2015	cis-1,3-Dichloropropene	<1	ppb
7/7/2015	Dibromochloromethane	<1	ppb
7/7/2015	Ethylbenzene	<1	ppb
7/7/2015	Methylene Chloride	<5	ppb
7/7/2015	o- xylene	<1	ppb
7/7/2015	p&m xylene	<1	ppb
7/7/2015	Tetrachlorethene	1	ppb
7/7/2015	Toluene	3	ppb
7/7/2015	Trans-1,2-Dichloroethene	<1	ppb
7/7/2015	Trans-1,3-Dichloropropene	<1	ppb
7/7/2015	Trichlorethene	1	ppb
7/7/2015	Trichlorofluoromethane	<1	ppb
7/7/2015	Vinyl Chloride	<1	ppb
8/18/2015	1,1,1-Trichloroethane	<1	ppb
8/18/2015	1,1,2,2-Tetrachlorethane	<1	ppb
8/18/2015	1,1,2-Trichloroethane	<1	ppb
8/18/2015	1,1-Dichloroethane	<1	ppb
8/18/2015	1,1-Dichloroethene	<1	ppb

Field's Point Effluent Grab Samples			
Sample Date	**Parameter**	**Result**	**Units**
6/10/2015	Bromodichloromethane	15	ppb
6/10/2015	Bromoform	4	ppb
6/10/2015	Bromomethane	<10	ppb
6/10/2015	Carbon Tetrachloride	<1	ppb
6/10/2015	Chlorobenzene	<1	ppb
6/10/2015	Chloroethane	<10	ppb
6/10/2015	Chloroform	7	ppb
6/10/2015	Chloromethane	<10	ppb
6/10/2015	cis-1,3-Dichloropropene	<1	ppb
6/10/2015	Dibromochloromethane	15	ppb
6/10/2015	Ethylbenzene	<1	ppb
6/10/2015	Methylene Chloride	<5	ppb
6/10/2015	o- xylene	<1	ppb
6/10/2015	p&m xylene	<1	ppb
6/10/2015	Tetrachlorethene	<1	ppb
6/10/2015	Toluene	<1	ppb
6/10/2015	Trans-1,2-Dichloroethene	<1	ppb
6/10/2015	Trans-1,3-Dichloropropene	<1	ppb
6/10/2015	Trichlorethene	<1	ppb
6/10/2015	Trichlorofluoromethane	<1	ppb
6/10/2015	Vinyl Chloride	<1	ppb
7/8/2015	1,1,1-Trichloroethane	<1	ppb
7/8/2015	1,1,2,2-Tetrachlorethane	<1	ppb
7/8/2015	1,1,2-Trichloroethane	<1	ppb
7/8/2015	1,1-Dichloroethane	<1	ppb
7/8/2015	1,1-Dichloroethene	<1	ppb
7/8/2015	1,2-dichlorobenzene	<1	ppb
7/8/2015	1,2-Dichloroethane	<1	ppb
7/8/2015	1,2-Dichloropropane	<1	ppb
7/8/2015	1,3-dichlorobenzene	<1	ppb
7/8/2015	1,4-dichlorobenzene	<1	ppb
7/8/2015	2-Chloroethylvinylether	<2	ppb
7/8/2015	Benzene	<1	ppb
7/8/2015	Bromodichloromethane	24	ppb
7/8/2015	Bromoform	7	ppb
7/8/2015	Bromomethane	<10	ppb
7/8/2015	Carbon Tetrachloride	<1	ppb
7/8/2015	Chlorobenzene	<1	ppb
7/8/2015	Chloroethane	<10	ppb
7/8/2015	Chloroform	10	ppb
7/8/2015	Chloromethane	<10	ppb
7/8/2015	cis-1,3-Dichloropropene	<1	ppb
7/8/2015	Dibromochloromethane	26	ppb
7/8/2015	Ethylbenzene	<1	ppb
7/8/2015	Methylene Chloride	<5	ppb
7/8/2015	o- xylene	<1	ppb
7/8/2015	p&m xylene	<1	ppb
7/8/2015	Tetrachlorethene	<1	ppb
7/8/2015	Toluene	<1	ppb
7/8/2015	Trans-1,2-Dichloroethene	<1	ppb
7/8/2015	Trans-1,3-Dichloropropene	<1	ppb
7/8/2015	Trichlorethene	<1	ppb
7/8/2015	Trichlorofluoromethane	<1	ppb
7/8/2015	Vinyl Chloride	<1	ppb
8/19/2015	1,1,1-Trichloroethane	<1	ppb
8/19/2015	1,1,2,2-Tetrachlorethane	<1	ppb
8/19/2015	1,1,2-Trichloroethane	<1	ppb
8/19/2015	1,1-Dichloroethane	<1	ppb
8/19/2015	1,1-Dichloroethene	<1	ppb

Field's Point Influent Grab Samples			
Sample Date	**Parameter**	**Result**	**Units**
8/18/2015	1,2-dichlorobenzene	<1	ppb
8/18/2015	1,2-Dichloroethane	<1	ppb
8/18/2015	1,2-Dichloropropane	<1	ppb
8/18/2015	1,3-dichlorobenzene	<1	ppb
8/18/2015	1,4-dichlorobenzene	<1	ppb
8/18/2015	2-Chloroethylvinylether	<2	ppb
8/18/2015	Benzene	<1	ppb
8/18/2015	Bromodichloromethane	<1	ppb
8/18/2015	Bromoform	<1	ppb
8/18/2015	Bromomethane	<10	ppb
8/18/2015	Carbon Tetrachloride	<1	ppb
8/18/2015	Chlorobenzene	<1	ppb
8/18/2015	Chloroethane	<10	ppb
8/18/2015	Chloroform	5	ppb
8/18/2015	Chloromethane	<10	ppb
8/18/2015	cis-1,3-Dichloropropene	<1	ppb
8/18/2015	Dibromochloromethane	<1	ppb
8/18/2015	Ethylbenzene	<1	ppb
8/18/2015	Methylene Chloride	<5	ppb
8/18/2015	o- xylene	<1	ppb
8/18/2015	p&m xylene	<1	ppb
8/18/2015	Tetrachlorethene	1	ppb
8/18/2015	Toluene	2	ppb
8/18/2015	Trans-1,2-Dichloroethene	<1	ppb
8/18/2015	Trans-1,3-Dichloropropene	<1	ppb
8/18/2015	Trichlorethene	1	ppb
8/18/2015	Trichlorofluoromethane	<1	ppb
8/18/2015	Vinyl Chloride	<1	ppb
9/15/2015	1,1,1-Trichloroethane	<1	ppb
9/15/2015	1,1,2,2-Tetrachlorethane	<1	ppb
9/15/2015	1,1,2-Trichloroethane	<1	ppb
9/15/2015	1,1-Dichloroethane	<1	ppb
9/15/2015	1,1-Dichloroethene	<1	ppb
9/15/2015	1,2-dichlorobenzene	<1	ppb
9/15/2015	1,2-Dichloroethane	<1	ppb
9/15/2015	1,2-Dichloropropane	<1	ppb
9/15/2015	1,3-dichlorobenzene	<1	ppb
9/15/2015	1,4-dichlorobenzene	<1	ppb
9/15/2015	2-Chloroethylvinylether	<2	ppb
9/15/2015	Benzene	<1	ppb
9/15/2015	Bromodichloromethane	<1	ppb
9/15/2015	Bromoform	<1	ppb
9/15/2015	Bromomethane	<10	ppb
9/15/2015	Carbon Tetrachloride	<1	ppb
9/15/2015	Chlorobenzene	<1	ppb
9/15/2015	Chloroethane	<10	ppb
9/15/2015	Chloroform	4.5	ppb
9/15/2015	Chloromethane	<10	ppb
9/15/2015	cis-1,3-Dichloropropene	<1	ppb
9/15/2015	Dibromochloromethane	<1	ppb
9/15/2015	Ethylbenzene	<1	ppb
9/15/2015	Methylene Chloride	6.1	ppb
9/15/2015	o- xylene	<1	ppb
9/15/2015	p&m xylene	<1	ppb
9/15/2015	Tetrachlorethene	1.3	ppb
9/15/2015	Toluene	2.5	ppb
9/15/2015	Trans-1,2-Dichloroethene	<1	ppb
9/15/2015	Trans-1,3-Dichloropropene	<1	ppb
9/15/2015	Trichlorethene	1.3	ppb

Field's Point Effluent Grab Samples			
Sample Date	**Parameter**	**Result**	**Units**
8/19/2015	1,2-dichlorobenzene	<1	ppb
8/19/2015	1,2-Dichloroethane	<1	ppb
8/19/2015	1,2-Dichloropropane	<1	ppb
8/19/2015	1,3-dichlorobenzene	<1	ppb
8/19/2015	1,4-dichlorobenzene	<1	ppb
8/19/2015	2-Chloroethylvinylether	<2	ppb
8/19/2015	Benzene	<1	ppb
8/19/2015	Bromodichloromethane	18	ppb
8/19/2015	Bromoform	9	ppb
8/19/2015	Bromomethane	<10	ppb
8/19/2015	Carbon Tetrachloride	<1	ppb
8/19/2015	Chlorobenzene	<1	ppb
8/19/2015	Chloroethane	<10	ppb
8/19/2015	Chloroform	7	ppb
8/19/2015	Chloromethane	<10	ppb
8/19/2015	cis-1,3-Dichloropropene	<1	ppb
8/19/2015	Dibromochloromethane	23	ppb
8/19/2015	Ethylbenzene	<1	ppb
8/19/2015	Methylene Chloride	<5	ppb
8/19/2015	o- xylene	<1	ppb
8/19/2015	p&m xylene	<1	ppb
8/19/2015	Tetrachlorethene	<1	ppb
8/19/2015	Toluene	<1	ppb
8/19/2015	Trans-1,2-Dichloroethene	<1	ppb
8/19/2015	Trans-1,3-Dichloropropene	<1	ppb
8/19/2015	Trichlorethene	<1	ppb
8/19/2015	Trichlorofluoromethane	<1	ppb
8/19/2015	Vinyl Chloride	<1	ppb
9/16/2015	1,1,1-Trichloroethane	<1	ppb
9/16/2015	1,1,2,2-Tetrachlorethane	<1	ppb
9/16/2015	1,1,2-Trichloroethane	<1	ppb
9/16/2015	1,1-Dichloroethane	<1	ppb
9/16/2015	1,1-Dichloroethene	<1	ppb
9/16/2015	1,2-dichlorobenzene	<1	ppb
9/16/2015	1,2-Dichloroethane	<1	ppb
9/16/2015	1,2-Dichloropropane	<1	ppb
9/16/2015	1,3-dichlorobenzene	<1	ppb
9/16/2015	1,4-dichlorobenzene	<1	ppb
9/16/2015	2-Chloroethylvinylether	<2	ppb
9/16/2015	Benzene	<1	ppb
9/16/2015	Bromodichloromethane	9.8	ppb
9/16/2015	Bromoform	4.7	ppb
9/16/2015	Bromomethane	<10	ppb
9/16/2015	Carbon Tetrachloride	<1	ppb
9/16/2015	Chlorobenzene	<1	ppb
9/16/2015	Chloroethane	<10	ppb
9/16/2015	Chloroform	4.9	ppb
9/16/2015	Chloromethane	<10	ppb
9/16/2015	cis-1,3-Dichloropropene	<1	ppb
9/16/2015	Dibromochloromethane	11	ppb
9/16/2015	Ethylbenzene	<1	ppb
9/16/2015	Methylene Chloride	<5	ppb
9/16/2015	o- xylene	<1	ppb
9/16/2015	p&m xylene	<1	ppb
9/16/2015	Tetrachlorethene	<1	ppb
9/16/2015	Toluene	<1	ppb
9/16/2015	Trans-1,2-Dichloroethene	<1	ppb
9/16/2015	Trans-1,3-Dichloropropene	<1	ppb
9/16/2015	Trichlorethene	<1	ppb

Field's Point Influent Grab Samples			
Sample Date	**Parameter**	**Result**	**Units**
9/15/2015	Trichlorofluoromethane	<1	ppb
9/15/2015	Vinyl Chloride	<1	ppb
10/6/2015	1,1,1-Trichloroethane	<1	ppb
10/6/2015	1,1,2,2-Tetrachlorethane	<1	ppb
10/6/2015	1,1,2-Trichloroethane	<1	ppb
10/6/2015	1,1-Dichloroethane	<1	ppb
10/6/2015	1,1-Dichloroethene	<1	ppb
10/6/2015	1,2-dichlorobenzene	<1	ppb
10/6/2015	1,2-Dichloroethane	<1	ppb
10/6/2015	1,2-Dichloropropane	<1	ppb
10/6/2015	1,3-dichlorobenzene	<1	ppb
10/6/2015	1,4-dichlorobenzene	<1	ppb
10/6/2015	2-Chloroethylvinylether	<2	ppb
10/6/2015	Benzene	<1	ppb
10/6/2015	Bromodichloromethane	<1	ppb
10/6/2015	Bromoform	<1	ppb
10/6/2015	Bromomethane	<10	ppb
10/6/2015	Carbon Tetrachloride	<1	ppb
10/6/2015	Chlorobenzene	<1	ppb
10/6/2015	Chloroethane	<10	ppb
10/6/2015	Chloroform	3	ppb
10/6/2015	Chloromethane	<10	ppb
10/6/2015	cis-1,3-Dichloropropene	<1	ppb
10/6/2015	Dibromochloromethane	<1	ppb
10/6/2015	Ethylbenzene	<1	ppb
10/6/2015	Methylene Chloride	<5	ppb
10/6/2015	o- xylene	<1	ppb
10/6/2015	p&m xylene	<1	ppb
10/6/2015	Tetrachlorethene	1	ppb
10/6/2015	Toluene	2	ppb
10/6/2015	Trans-1,2-Dichloroethene	<1	ppb
10/6/2015	Trans-1,3-Dichloropropene	<1	ppb
10/6/2015	Trichlorethene	2	ppb
10/6/2015	Trichlorofluoromethane	<1	ppb
10/6/2015	Vinyl Chloride	<1	ppb
11/3/2015	1,1,1-Trichloroethane	<1	ppb
11/3/2015	1,1,2,2-Tetrachlorethane	<1	ppb
11/3/2015	1,1,2-Trichloroethane	<1	ppb
11/3/2015	1,1-Dichloroethane	<1	ppb
11/3/2015	1,1-Dichloroethene	<1	ppb
11/3/2015	1,2-dichlorobenzene	<1	ppb
11/3/2015	1,2-Dichloroethane	<1	ppb
11/3/2015	1,2-Dichloropropane	<1	ppb
11/3/2015	1,3-dichlorobenzene	<1	ppb
11/3/2015	1,4-dichlorobenzene	<1	ppb
11/3/2015	2-Chloroethylvinylether	<2	ppb
11/3/2015	Benzene	<1	ppb
11/3/2015	Bromodichloromethane	<1	ppb
11/3/2015	Bromoform	<1	ppb
11/3/2015	Bromomethane	<10	ppb
11/3/2015	Carbon Tetrachloride	<1	ppb
11/3/2015	Chlorobenzene	<1	ppb
11/3/2015	Chloroethane	<10	ppb
11/3/2015	Chloroform	4	ppb
11/3/2015	Chloromethane	<10	ppb
11/3/2015	cis-1,3-Dichloropropene	<1	ppb
11/3/2015	Dibromochloromethane	<1	ppb
11/3/2015	Ethylbenzene	<1	ppb
11/3/2015	Methylene Chloride	<5	ppb

Field's Point Effluent Grab Samples			
Sample Date	**Parameter**	**Result**	**Units**
9/16/2015	Trichlorofluoromethane	<1	ppb
9/16/2015	Vinyl Chloride	<1	ppb
10/7/2015	1,1,1-Trichloroethane	<1	ppb
10/7/2015	1,1,2,2-Tetrachlorethane	<1	ppb
10/7/2015	1,1,2-Trichloroethane	<1	ppb
10/7/2015	1,1-Dichloroethane	<1	ppb
10/7/2015	1,1-Dichloroethene	<1	ppb
10/7/2015	1,2-dichlorobenzene	<1	ppb
10/7/2015	1,2-Dichloroethane	<1	ppb
10/7/2015	1,2-Dichloropropane	<1	ppb
10/7/2015	1,3-dichlorobenzene	<1	ppb
10/7/2015	1,4-dichlorobenzene	<1	ppb
10/7/2015	2-Chloroethylvinylether	<2	ppb
10/7/2015	Benzene	<1	ppb
10/7/2015	Bromodichloromethane	16	ppb
10/7/2015	Bromoform	13	ppb
10/7/2015	Bromomethane	<10	ppb
10/7/2015	Carbon Tetrachloride	<1	ppb
10/7/2015	Chlorobenzene	<1	ppb
10/7/2015	Chloroethane	<10	ppb
10/7/2015	Chloroform	5	ppb
10/7/2015	Chloromethane	<10	ppb
10/7/2015	cis-1,3-Dichloropropene	<1	ppb
10/7/2015	Dibromochloromethane	25	ppb
10/7/2015	Ethylbenzene	<1	ppb
10/7/2015	Methylene Chloride	<5	ppb
10/7/2015	o- xylene	<1	ppb
10/7/2015	p&m xylene	<1	ppb
10/7/2015	Tetrachlorethene	<1	ppb
10/7/2015	Toluene	<1	ppb
10/7/2015	Trans-1,2-Dichloroethene	<1	ppb
10/7/2015	Trans-1,3-Dichloropropene	<1	ppb
10/7/2015	Trichlorethene	<1	ppb
10/7/2015	Trichlorofluoromethane	<1	ppb
10/7/2015	Vinyl Chloride	<1	ppb
11/4/2015	1,1,1-Trichloroethane	<1	ppb
11/4/2015	1,1,2,2-Tetrachlorethane	<1	ppb
11/4/2015	1,1,2-Trichloroethane	<1	ppb
11/4/2015	1,1-Dichloroethane	<1	ppb
11/4/2015	1,1-Dichloroethene	<1	ppb
11/4/2015	1,2-dichlorobenzene	<1	ppb
11/4/2015	1,2-Dichloroethane	<1	ppb
11/4/2015	1,2-Dichloropropane	<1	ppb
11/4/2015	1,3-dichlorobenzene	<1	ppb
11/4/2015	1,4-dichlorobenzene	<1	ppb
11/4/2015	2-Chloroethylvinylether	<2	ppb
11/4/2015	Benzene	<1	ppb
11/4/2015	Bromodichloromethane	3	ppb
11/4/2015	Bromoform	<1	ppb
11/4/2015	Bromomethane	<10	ppb
11/4/2015	Carbon Tetrachloride	<1	ppb
11/4/2015	Chlorobenzene	<1	ppb
11/4/2015	Chloroethane	<10	ppb
11/4/2015	Chloroform	2	ppb
11/4/2015	Chloromethane	<10	ppb
11/4/2015	cis-1,3-Dichloropropene	<1	ppb
11/4/2015	Dibromochloromethane	2	ppb
11/4/2015	Ethylbenzene	<1	ppb
11/4/2015	Methylene Chloride	<5	ppb

Field's Point Influent Grab Samples			
Sample Date	**Parameter**	**Result**	**Units**
11/3/2015	o- xylene	<1	ppb
11/3/2015	p&m xylene	<1	ppb
11/3/2015	Tetrachlorethene	1	ppb
11/3/2015	Toluene	2	ppb
11/3/2015	Trans-1,2-Dichloroethene	<1	ppb
11/3/2015	Trans-1,3-Dichloropropene	<1	ppb
11/3/2015	Trichlorethene	2	ppb
11/3/2015	Trichlorofluoromethane	<1	ppb
11/3/2015	Vinyl Chloride	<1	ppb
12/8/2015	1,1,1-Trichloroethane	<1	ppb
12/8/2015	1,1,2,2-Tetrachlorethane	<1	ppb
12/8/2015	1,1,2-Trichloroethane	<1	ppb
12/8/2015	1,1-Dichloroethane	<1	ppb
12/8/2015	1,1-Dichloroethene	<1	ppb
12/8/2015	1,2-dichlorobenzene	<1	ppb
12/8/2015	1,2-Dichloroethane	<1	ppb
12/8/2015	1,2-Dichloropropane	<1	ppb
12/8/2015	1,3-dichlorobenzene	<1	ppb
12/8/2015	1,4-dichlorobenzene	<1	ppb
12/8/2015	2-Chloroethylvinylether	<2	ppb
12/8/2015	Benzene	<1	ppb
12/8/2015	Bromodichloromethane	<1	ppb
12/8/2015	Bromoform	<1	ppb
12/8/2015	Bromomethane	<10	ppb
12/8/2015	Carbon Tetrachloride	<1	ppb
12/8/2015	Chlorobenzene	<1	ppb
12/8/2015	Chloroethane	<10	ppb
12/8/2015	Chloroform	4	ppb
12/8/2015	Chloromethane	<10	ppb
12/8/2015	cis-1,3-Dichloropropene	<1	ppb
12/8/2015	Dibromochloromethane	<1	ppb
12/8/2015	Ethylbenzene	<1	ppb
12/8/2015	Methylene Chloride	<5	ppb
12/8/2015	o- xylene	<1	ppb
12/8/2015	p&m xylene	<1	ppb
12/8/2015	Tetrachlorethene	1	ppb
12/8/2015	Toluene	2	ppb
12/8/2015	Trans-1,2-Dichloroethene	<1	ppb
12/8/2015	Trans-1,3-Dichloropropene	<1	ppb
12/8/2015	Trichlorethene	2	ppb
12/8/2015	Trichlorofluoromethane	<1	ppb
12/8/2015	Vinyl Chloride	<1	ppb

Field's Point Effluent Grab Samples			
Sample Date	**Parameter**	**Result**	**Units**
11/4/2015	o- xylene	<1	ppb
11/4/2015	p&m xylene	<1	ppb
11/4/2015	Tetrachlorethene	<1	ppb
11/4/2015	Toluene	<1	ppb
11/4/2015	Trans-1,2-Dichloroethene	<1	ppb
11/4/2015	Trans-1,3-Dichloropropene	<1	ppb
11/4/2015	Trichlorethene	<1	ppb
11/4/2015	Trichlorofluoromethane	<1	ppb
11/4/2015	Vinyl Chloride	<1	ppb
12/9/2015	1,1,1-Trichloroethane	<1	ppb
12/9/2015	1,1,2,2-Tetrachlorethane	<1	ppb
12/9/2015	1,1,2-Trichloroethane	<1	ppb
12/9/2015	1,1-Dichloroethane	<1	ppb
12/9/2015	1,1-Dichloroethene	<1	ppb
12/9/2015	1,2-dichlorobenzene	<1	ppb
12/9/2015	1,2-Dichloroethane	<1	ppb
12/9/2015	1,2-Dichloropropane	<1	ppb
12/9/2015	1,3-dichlorobenzene	<1	ppb
12/9/2015	1,4-dichlorobenzene	<1	ppb
12/9/2015	2-Chloroethylvinylether	<2	ppb
12/9/2015	Benzene	<1	ppb
12/9/2015	Bromodichloromethane	4	ppb
12/9/2015	Bromoform	<1	ppb
12/9/2015	Bromomethane	<10	ppb
12/9/2015	Carbon Tetrachloride	<1	ppb
12/9/2015	Chlorobenzene	<1	ppb
12/9/2015	Chloroethane	<10	ppb
12/9/2015	Chloroform	2	ppb
12/9/2015	Chloromethane	<10	ppb
12/9/2015	cis-1,3-Dichloropropene	<1	ppb
12/9/2015	Dibromochloromethane	3	ppb
12/9/2015	Ethylbenzene	<1	ppb
12/9/2015	Methylene Chloride	<5	ppb
12/9/2015	o- xylene	<1	ppb
12/9/2015	p&m xylene	<1	ppb
12/9/2015	Tetrachlorethene	<1	ppb
12/9/2015	Toluene	<1	ppb
12/9/2015	Trans-1,2-Dichloroethene	<1	ppb
12/9/2015	Trans-1,3-Dichloropropene	<1	ppb
12/9/2015	Trichlorethene	<1	ppb
12/9/2015	Trichlorofluoromethane	<1	ppb
12/9/2015	Vinyl Chloride	<1	ppb

Bucklin Point Influent Grab Samples			
Sample Date	**Parameter**	**Result**	**Units**
1/5/2015	1,1,1-Trichloroethane	<1	ppb
1/5/2015	1,1,2,2-Tetrachlorethane	<1	ppb
1/5/2015	1,1,2-Trichloroethane	<1	ppb
1/5/2015	1,1-Dichloroethane	<1	ppb
1/5/2015	1,1-Dichloroethene	<1	ppb
1/5/2015	1,2-dichlorobenzene	<1	ppb
1/5/2015	1,2-Dichloroethane	<1	ppb
1/5/2015	1,2-Dichloropropane	<1	ppb
1/5/2015	1,3-dichlorobenzene	<1	ppb
1/5/2015	1,4-dichlorobenzene	<1	ppb
1/5/2015	2-Chloroethylvinylether	<2	ppb
1/5/2015	Benzene	<1	ppb
1/5/2015	Bromodichloromethane	<1	ppb
1/5/2015	Bromoform	<1	ppb
1/5/2015	Bromomethane	<10	ppb
1/5/2015	Carbon Tetrachloride	<1	ppb
1/5/2015	Chlorobenzene	<1	ppb
1/5/2015	Chloroethane	<10	ppb
1/5/2015	Chloroform	4	ppb
1/5/2015	Chloromethane	<10	ppb
1/5/2015	cis-1,3-Dichloropropene	<1	ppb
1/5/2015	Dibromochloromethane	<1	ppb
1/5/2015	Ethylbenzene	<1	ppb
1/5/2015	Methylene Chloride	<5	ppb
1/5/2015	o- xylene	<1	ppb
1/5/2015	p&m xylene	<1	ppb
1/5/2015	Tetrachlorethene	1	ppb
1/5/2015	Toluene	5	ppb
1/5/2015	Trans-1,2-Dichloroethene	<1	ppb
1/5/2015	Trans-1,3-Dichloropropen	<1	ppb
1/5/2015	Trichlorethene	<1	ppb
1/5/2015	Trichlorofluoromethane	<1	ppb
1/5/2015	Vinyl Chloride	<1	ppb
2/2/2015	1,1,1-Trichloroethane	<1	ppb
2/2/2015	1,1,2,2-Tetrachlorethane	<1	ppb
2/2/2015	1,1,2-Trichloroethane	<1	ppb
2/2/2015	1,1-Dichloroethane	<1	ppb
2/2/2015	1,1-Dichloroethene	<1	ppb
2/2/2015	1,2-dichlorobenzene	<1	ppb
2/2/2015	1,2-Dichloroethane	<1	ppb
2/2/2015	1,2-Dichloropropane	<1	ppb
2/2/2015	1,3-dichlorobenzene	<1	ppb
2/2/2015	1,4-dichlorobenzene	<1	ppb
2/2/2015	2-Chloroethylvinylether	<2	ppb
2/2/2015	Benzene	<1	ppb
2/2/2015	Bromodichloromethane	<1	ppb
2/2/2015	Bromoform	<1	ppb
2/2/2015	Bromomethane	<10	ppb
2/2/2015	Carbon Tetrachloride	<1	ppb
2/2/2015	Chlorobenzene	<1	ppb

Bucklin Point Effluent Grab Samples			
Sample Date	**Parameter**	**Result**	**Units**
1/6/2015	1,1,1-Trichloroethane	<1	ppb
1/6/2015	1,1,2,2-Tetrachlorethane	<1	ppb
1/6/2015	1,1,2-Trichloroethane	<1	ppb
1/6/2015	1,1-Dichloroethane	<1	ppb
1/6/2015	1,1-Dichloroethene	<1	ppb
1/6/2015	1,2-dichlorobenzene	<1	ppb
1/6/2015	1,2-Dichloroethane	<1	ppb
1/6/2015	1,2-Dichloropropane	<1	ppb
1/6/2015	1,3-dichlorobenzene	<1	ppb
1/6/2015	1,4-dichlorobenzene	<1	ppb
1/6/2015	2-Chloroethylvinylether	<2	ppb
1/6/2015	Benzene	<1	ppb
1/6/2015	Bromodichloromethane	<1	ppb
1/6/2015	Bromoform	<1	ppb
1/6/2015	Bromomethane	<10	ppb
1/6/2015	Carbon Tetrachloride	<1	ppb
1/6/2015	Chlorobenzene	<1	ppb
1/6/2015	Chloroethane	<10	ppb
1/6/2015	Chloroform	<1	ppb
1/6/2015	Chloromethane	<10	ppb
1/6/2015	cis-1,3-Dichloropropene	<1	ppb
1/6/2015	Dibromochloromethane	<1	ppb
1/6/2015	Ethylbenzene	<1	ppb
1/6/2015	Methylene Chloride	<5	ppb
1/6/2015	o- xylene	<1	ppb
1/6/2015	p&m xylene	<1	ppb
1/6/2015	Tetrachlorethene	<1	ppb
1/6/2015	Toluene	<1	ppb
1/6/2015	Trans-1,2-Dichloroethene	<1	ppb
1/6/2015	Trans-1,3-Dichloropropen	<1	ppb
1/6/2015	Trichlorethene	<1	ppb
1/6/2015	Trichlorofluoromethane	<1	ppb
1/6/2015	Vinyl Chloride	<1	ppb
2/3/2015	1,1,1-Trichloroethane	<1	ppb
2/3/2015	1,1,2,2-Tetrachlorethane	<1	ppb
2/3/2015	1,1,2-Trichloroethane	<1	ppb
2/3/2015	1,1-Dichloroethane	<1	ppb
2/3/2015	1,1-Dichloroethene	<1	ppb
2/3/2015	1,2-dichlorobenzene	<1	ppb
2/3/2015	1,2-Dichloroethane	<1	ppb
2/3/2015	1,2-Dichloropropane	<1	ppb
2/3/2015	1,3-dichlorobenzene	<1	ppb
2/3/2015	1,4-dichlorobenzene	<1	ppb
2/3/2015	2-Chloroethylvinylether	<2	ppb
2/3/2015	Benzene	<1	ppb
2/3/2015	Bromodichloromethane	<1	ppb
2/3/2015	Bromoform	<1	ppb
2/3/2015	Bromomethane	<10	ppb
2/3/2015	Carbon Tetrachloride	<1	ppb
2/3/2015	Chlorobenzene	<1	ppb

Table 25: EPA Priority Pollutants Data Bucklin Point

Bucklin Point Influent Grab Samples			
Sample Date	**Parameter**	**Result**	**Units**
2/2/2015	Chloroethane	<10	ppb
2/2/2015	Chloroform	3	ppb
2/2/2015	Chloromethane	<10	ppb
2/2/2015	cis-1,3-Dichloropropene	<1	ppb
2/2/2015	Dibromochloromethane	<1	ppb
2/2/2015	Ethylbenzene	<1	ppb
2/2/2015	Methylene Chloride	<5	ppb
2/2/2015	o- xylene	<1	ppb
2/2/2015	p&m xylene	1	ppb
2/2/2015	Tetrachlorethene	1	ppb
2/2/2015	Toluene	2	ppb
2/2/2015	Trans-1,2-Dichloroethene	<1	ppb
2/2/2015	Trans-1,3-Dichloropropen	<1	ppb
2/2/2015	Trichlorethene	<1	ppb
2/2/2015	Trichlorofluoromethane	<1	ppb
2/2/2015	Vinyl Chloride	<1	ppb
3/2/2015	1,1,1-Trichloroethane	<1	ppb
3/2/2015	1,1,2,2-Tetrachlorethane	<1	ppb
3/2/2015	1,1,2-Trichloroethane	<1	ppb
3/2/2015	1,1-Dichloroethane	<1	ppb
3/2/2015	1,1-Dichloroethene	<1	ppb
3/2/2015	1,2-dichlorobenzene	<1	ppb
3/2/2015	1,2-Dichloroethane	<1	ppb
3/2/2015	1,2-Dichloropropane	<1	ppb
3/2/2015	1,3-dichlorobenzene	<1	ppb
3/2/2015	1,4-dichlorobenzene	<1	ppb
3/2/2015	2-Chloroethylvinylether	<2	ppb
3/2/2015	Benzene	<1	ppb
3/2/2015	Bromodichloromethane	<1	ppb
3/2/2015	Bromoform	<1	ppb
3/2/2015	Bromomethane	<10	ppb
3/2/2015	Carbon Tetrachloride	<1	ppb
3/2/2015	Chlorobenzene	<1	ppb
3/2/2015	Chloroethane	<10	ppb
3/2/2015	Chloroform	6	ppb
3/2/2015	Chloromethane	<10	ppb
3/2/2015	cis-1,3-Dichloropropene	<1	ppb
3/2/2015	Dibromochloromethane	<1	ppb
3/2/2015	Ethylbenzene	<1	ppb
3/2/2015	Methylene Chloride	<5	ppb
3/2/2015	o- xylene	<1	ppb
3/2/2015	p&m xylene	<1	ppb
3/2/2015	Tetrachlorethene	1	ppb
3/2/2015	Toluene	3	ppb
3/2/2015	Trans-1,2-Dichloroethene	<1	ppb
3/2/2015	Trans-1,3-Dichloropropen	<1	ppb
3/2/2015	Trichlorethene	<1	ppb
3/2/2015	Trichlorofluoromethane	<1	ppb
3/2/2015	Vinyl Chloride	<1	ppb
4/6/2015	1,1,1-Trichloroethane	<1	ppb

Bucklin Point Effluent Grab Samples			
Sample Date	**Parameter**	**Result**	**Units**
2/3/2015	Chloroethane	<10	ppb
2/3/2015	Chloroform	<1	ppb
2/3/2015	Chloromethane	<10	ppb
2/3/2015	cis-1,3-Dichloropropene	<1	ppb
2/3/2015	Dibromochloromethane	<1	ppb
2/3/2015	Ethylbenzene	<1	ppb
2/3/2015	Methylene Chloride	<5	ppb
2/3/2015	o- xylene	<1	ppb
2/3/2015	p&m xylene	<1	ppb
2/3/2015	Tetrachlorethene	<1	ppb
2/3/2015	Toluene	<1	ppb
2/3/2015	Trans-1,2-Dichloroethene	<1	ppb
2/3/2015	Trans-1,3-Dichloropropen	<1	ppb
2/3/2015	Trichlorethene	<1	ppb
2/3/2015	Trichlorofluoromethane	<1	ppb
2/3/2015	Vinyl Chloride	<1	ppb
3/3/2015	1,1,1-Trichloroethane	<1	ppb
3/3/2015	1,1,2,2-Tetrachlorethane	<1	ppb
3/3/2015	1,1,2-Trichloroethane	<1	ppb
3/3/2015	1,1-Dichloroethane	<1	ppb
3/3/2015	1,1-Dichloroethene	<1	ppb
3/3/2015	1,2-dichlorobenzene	<1	ppb
3/3/2015	1,2-Dichloroethane	<1	ppb
3/3/2015	1,2-Dichloropropane	<1	ppb
3/3/2015	1,3-dichlorobenzene	<1	ppb
3/3/2015	1,4-dichlorobenzene	<1	ppb
3/3/2015	2-Chloroethylvinylether	<2	ppb
3/3/2015	Benzene	<1	ppb
3/3/2015	Bromodichloromethane	<1	ppb
3/3/2015	Bromoform	<1	ppb
3/3/2015	Bromomethane	<10	ppb
3/3/2015	Carbon Tetrachloride	<1	ppb
3/3/2015	Chlorobenzene	<1	ppb
3/3/2015	Chloroethane	<10	ppb
3/3/2015	Chloroform	<1	ppb
3/3/2015	Chloromethane	<10	ppb
3/3/2015	cis-1,3-Dichloropropene	<1	ppb
3/3/2015	Dibromochloromethane	<1	ppb
3/3/2015	Ethylbenzene	<1	ppb
3/3/2015	Methylene Chloride	<5	ppb
3/3/2015	o- xylene	<1	ppb
3/3/2015	p&m xylene	<1	ppb
3/3/2015	Tetrachlorethene	<1	ppb
3/3/2015	Toluene	<1	ppb
3/3/2015	Trans-1,2-Dichloroethene	<1	ppb
3/3/2015	Trans-1,3-Dichloropropen	<1	ppb
3/3/2015	Trichlorethene	<1	ppb
3/3/2015	Trichlorofluoromethane	<1	ppb
3/3/2015	Vinyl Chloride	<1	ppb
4/7/2015	1,1,1-Trichloroethane	<1	ppb

Table 25: EPA Priority Pollutants Data Bucklin Point

Bucklin Point Influent Grab Samples			
Sample Date	**Parameter**	**Result**	**Units**
4/6/2015	1,1,2,2-Tetrachlorethane	<1	ppb
4/6/2015	1,1,2-Trichloroethane	<1	ppb
4/6/2015	1,1-Dichloroethane	<1	ppb
4/6/2015	1,1-Dichloroethene	<1	ppb
4/6/2015	1,2-dichlorobenzene	<1	ppb
4/6/2015	1,2-Dichloroethane	<1	ppb
4/6/2015	1,2-Dichloropropane	<1	ppb
4/6/2015	1,3-dichlorobenzene	<1	ppb
4/6/2015	1,4-dichlorobenzene	<1	ppb
4/6/2015	2-Chloroethylvinylether	<2	ppb
4/6/2015	Benzene	<1	ppb
4/6/2015	Bromodichloromethane	<1	ppb
4/6/2015	Bromoform	<1	ppb
4/6/2015	Bromomethane	<10	ppb
4/6/2015	Carbon Tetrachloride	<1	ppb
4/6/2015	Chlorobenzene	<1	ppb
4/6/2015	Chloroethane	<10	ppb
4/6/2015	Chloroform	5	ppb
4/6/2015	Chloromethane	<10	ppb
4/6/2015	cis-1,3-Dichloropropene	<1	ppb
4/6/2015	Dibromochloromethane	<1	ppb
4/6/2015	Ethylbenzene	<1	ppb
4/6/2015	Methylene Chloride	<5	ppb
4/6/2015	o- xylene	<1	ppb
4/6/2015	p&m xylene	<1	ppb
4/6/2015	Tetrachlorethene	1	ppb
4/6/2015	Toluene	<1	ppb
4/6/2015	Trans-1,2-Dichloroethene	<1	ppb
4/6/2015	Trans-1,3-Dichloropropen	<1	ppb
4/6/2015	Trichlorethene	<1	ppb
4/6/2015	Trichlorofluoromethane	<1	ppb
4/6/2015	Vinyl Chloride	<1	ppb
5/4/2015	1,1,1-Trichloroethane	<1	ppb
5/4/2015	1,1,2,2-Tetrachlorethane	<1	ppb
5/4/2015	1,1,2-Trichloroethane	<1	ppb
5/4/2015	1,1-Dichloroethane	<1	ppb
5/4/2015	1,1-Dichloroethene	<1	ppb
5/4/2015	1,2-dichlorobenzene	<1	ppb
5/4/2015	1,2-Dichloroethane	<1	ppb
5/4/2015	1,2-Dichloropropane	<1	ppb
5/4/2015	1,3-dichlorobenzene	<1	ppb
5/4/2015	1,4-dichlorobenzene	<1	ppb
5/4/2015	2-Chloroethylvinylether	<2	ppb
5/4/2015	Benzene	<1	ppb
5/4/2015	Bromodichloromethane	<1	ppb
5/4/2015	Bromoform	<1	ppb
5/4/2015	Bromomethane	<10	ppb
5/4/2015	Carbon Tetrachloride	<1	ppb
5/4/2015	Chlorobenzene	<1	ppb
5/4/2015	Chloroethane	<10	ppb

Bucklin Point Effluent Grab Samples			
Sample Date	**Parameter**	**Result**	**Units**
4/7/2015	1,1,2,2-Tetrachlorethane	<1	ppb
4/7/2015	1,1,2-Trichloroethane	<1	ppb
4/7/2015	1,1-Dichloroethane	<1	ppb
4/7/2015	1,1-Dichloroethene	<1	ppb
4/7/2015	1,2-dichlorobenzene	<1	ppb
4/7/2015	1,2-Dichloroethane	<1	ppb
4/7/2015	1,2-Dichloropropane	<1	ppb
4/7/2015	1,3-dichlorobenzene	<1	ppb
4/7/2015	1,4-dichlorobenzene	<1	ppb
4/7/2015	2-Chloroethylvinylether	<2	ppb
4/7/2015	Benzene	<1	ppb
4/7/2015	Bromodichloromethane	<1	ppb
4/7/2015	Bromoform	<1	ppb
4/7/2015	Bromomethane	<10	ppb
4/7/2015	Carbon Tetrachloride	<1	ppb
4/7/2015	Chlorobenzene	<1	ppb
4/7/2015	Chloroethane	<10	ppb
4/7/2015	Chloroform	1	ppb
4/7/2015	Chloromethane	<10	ppb
4/7/2015	cis-1,3-Dichloropropene	<1	ppb
4/7/2015	Dibromochloromethane	<1	ppb
4/7/2015	Ethylbenzene	<1	ppb
4/7/2015	Methylene Chloride	<5	ppb
4/7/2015	o- xylene	<1	ppb
4/7/2015	p&m xylene	<1	ppb
4/7/2015	Tetrachlorethene	<1	ppb
4/7/2015	Toluene	<1	ppb
4/7/2015	Trans-1,2-Dichloroethene	<1	ppb
4/7/2015	Trans-1,3-Dichloropropen	<1	ppb
4/7/2015	Trichlorethene	<1	ppb
4/7/2015	Trichlorofluoromethane	<1	ppb
4/7/2015	Vinyl Chloride	<1	ppb
5/5/2015	1,1,1-Trichloroethane	<1	ppb
5/5/2015	1,1,2,2-Tetrachlorethane	<1	ppb
5/5/2015	1,1,2-Trichloroethane	<1	ppb
5/5/2015	1,1-Dichloroethane	<1	ppb
5/5/2015	1,1-Dichloroethene	<1	ppb
5/5/2015	1,2-dichlorobenzene	<1	ppb
5/5/2015	1,2-Dichloroethane	<1	ppb
5/5/2015	1,2-Dichloropropane	<1	ppb
5/5/2015	1,3-dichlorobenzene	<1	ppb
5/5/2015	1,4-dichlorobenzene	<1	ppb
5/5/2015	2-Chloroethylvinylether	<2	ppb
5/5/2015	Benzene	<1	ppb
5/5/2015	Bromodichloromethane	<1	ppb
5/5/2015	Bromoform	<1	ppb
5/5/2015	Bromomethane	<10	ppb
5/5/2015	Carbon Tetrachloride	<1	ppb
5/5/2015	Chlorobenzene	<1	ppb
5/5/2015	Chloroethane	<10	ppb

Table 25: EPA Priority Pollutants Data Bucklin Point

Bucklin Point Influent Grab Samples			
Sample Date	**Parameter**	**Result**	**Units**
5/4/2015	Chloroform	4	ppb
5/4/2015	Chloromethane	<10	ppb
5/4/2015	cis-1,3-Dichloropropene	<1	ppb
5/4/2015	Dibromochloromethane	<1	ppb
5/4/2015	Ethylbenzene	<1	ppb
5/4/2015	Methylene Chloride	<5	ppb
5/4/2015	o- xylene	<1	ppb
5/4/2015	p&m xylene	<1	ppb
5/4/2015	Tetrachlorethene	3	ppb
5/4/2015	Toluene	2	ppb
5/4/2015	Trans-1,2-Dichloroethene	<1	ppb
5/4/2015	Trans-1,3-Dichloropropen	<1	ppb
5/4/2015	Trichlorethene	<1	ppb
5/4/2015	Trichlorofluoromethane	<1	ppb
5/4/2015	Vinyl Chloride	<1	ppb
6/8/2015	1,1,1-Trichloroethane	<1	ppb
6/8/2015	1,1,2,2-Tetrachlorethane	<1	ppb
6/8/2015	1,1,2-Trichloroethane	<1	ppb
6/8/2015	1,1-Dichloroethane	<1	ppb
6/8/2015	1,1-Dichloroethene	<1	ppb
6/8/2015	1,2-dichlorobenzene	<1	ppb
6/8/2015	1,2-Dichloroethane	<1	ppb
6/8/2015	1,2-Dichloropropane	<1	ppb
6/8/2015	1,3-dichlorobenzene	<1	ppb
6/8/2015	1,4-dichlorobenzene	<1	ppb
6/8/2015	2-Chloroethylvinylether	<2	ppb
6/8/2015	Benzene	<1	ppb
6/8/2015	Bromodichloromethane	<1	ppb
6/8/2015	Bromoform	<1	ppb
6/8/2015	Bromomethane	<10	ppb
6/8/2015	Carbon Tetrachloride	<1	ppb
6/8/2015	Chlorobenzene	<1	ppb
6/8/2015	Chloroethane	<10	ppb
6/8/2015	Chloroform	3	ppb
6/8/2015	Chloromethane	<10	ppb
6/8/2015	cis-1,3-Dichloropropene	<1	ppb
6/8/2015	Dibromochloromethane	<1	ppb
6/8/2015	Ethylbenzene	<1	ppb
6/8/2015	Methylene Chloride	<5	ppb
6/8/2015	o- xylene	<1	ppb
6/8/2015	p&m xylene	<1	ppb
6/8/2015	Tetrachlorethene	2	ppb
6/8/2015	Toluene	3	ppb
6/8/2015	Trans-1,2-Dichloroethene	<1	ppb
6/8/2015	Trans-1,3-Dichloropropen	<1	ppb
6/8/2015	Trichlorethene	<1	ppb
6/8/2015	Trichlorofluoromethane	<1	ppb
6/8/2015	Vinyl Chloride	<1	ppb
7/6/2015	1,1,1-Trichloroethane	<1	ppb
7/6/2015	1,1,2,2-Tetrachlorethane	<1	ppb

Bucklin Point Effluent Grab Samples			
Sample Date	**Parameter**	**Result**	**Units**
5/5/2015	Chloroform	<1	ppb
5/5/2015	Chloromethane	<10	ppb
5/5/2015	cis-1,3-Dichloropropene	<1	ppb
5/5/2015	Dibromochloromethane	<1	ppb
5/5/2015	Ethylbenzene	<1	ppb
5/5/2015	Methylene Chloride	<5	ppb
5/5/2015	o- xylene	<1	ppb
5/5/2015	p&m xylene	<1	ppb
5/5/2015	Tetrachlorethene	<1	ppb
5/5/2015	Toluene	<1	ppb
5/5/2015	Trans-1,2-Dichloroethene	<1	ppb
5/5/2015	Trans-1,3-Dichloropropen	<1	ppb
5/5/2015	Trichlorethene	<1	ppb
5/5/2015	Trichlorofluoromethane	<1	ppb
5/5/2015	Vinyl Chloride	<1	ppb
6/9/2015	1,1,1-Trichloroethane	<1	ppb
6/9/2015	1,1,2,2-Tetrachlorethane	<1	ppb
6/9/2015	1,1,2-Trichloroethane	<1	ppb
6/9/2015	1,1-Dichloroethane	<1	ppb
6/9/2015	1,1-Dichloroethene	<1	ppb
6/9/2015	1,2-dichlorobenzene	<1	ppb
6/9/2015	1,2-Dichloroethane	<1	ppb
6/9/2015	1,2-Dichloropropane	<1	ppb
6/9/2015	1,3-dichlorobenzene	<1	ppb
6/9/2015	1,4-dichlorobenzene	<1	ppb
6/9/2015	2-Chloroethylvinylether	<2	ppb
6/9/2015	Benzene	<1	ppb
6/9/2015	Bromodichloromethane	<1	ppb
6/9/2015	Bromoform	<1	ppb
6/9/2015	Bromomethane	<10	ppb
6/9/2015	Carbon Tetrachloride	<1	ppb
6/9/2015	Chlorobenzene	<1	ppb
6/9/2015	Chloroethane	<10	ppb
6/9/2015	Chloroform	<1	ppb
6/9/2015	Chloromethane	<10	ppb
6/9/2015	cis-1,3-Dichloropropene	<1	ppb
6/9/2015	Dibromochloromethane	<1	ppb
6/9/2015	Ethylbenzene	<1	ppb
6/9/2015	Methylene Chloride	<5	ppb
6/9/2015	o- xylene	<1	ppb
6/9/2015	p&m xylene	<1	ppb
6/9/2015	Tetrachlorethene	<1	ppb
6/9/2015	Toluene	<1	ppb
6/9/2015	Trans-1,2-Dichloroethene	<1	ppb
6/9/2015	Trans-1,3-Dichloropropen	<1	ppb
6/9/2015	Trichlorethene	<1	ppb
6/9/2015	Trichlorofluoromethane	<1	ppb
6/9/2015	Vinyl Chloride	<1	ppb
7/7/2015	1,1,1-Trichloroethane	<1	ppb
7/7/2015	1,1,2,2-Tetrachlorethane	<1	ppb

Table 25: EPA Priority Pollutants Data Bucklin Point

Bucklin Point Influent Grab Samples			
Sample Date	**Parameter**	**Result**	**Units**
7/6/2015	1,1,2-Trichloroethane	<1	ppb
7/6/2015	1,1-Dichloroethane	<1	ppb
7/6/2015	1,1-Dichloroethene	<1	ppb
7/6/2015	1,2-dichlorobenzene	<1	ppb
7/6/2015	1,2-Dichloroethane	<1	ppb
7/6/2015	1,2-Dichloropropane	<1	ppb
7/6/2015	1,3-dichlorobenzene	<1	ppb
7/6/2015	1,4-dichlorobenzene	<1	ppb
7/6/2015	2-Chloroethylvinylether	<2	ppb
7/6/2015	Benzene	<1	ppb
7/6/2015	Bromodichloromethane	<1	ppb
7/6/2015	Bromoform	<1	ppb
7/6/2015	Bromomethane	<10	ppb
7/6/2015	Carbon Tetrachloride	<1	ppb
7/6/2015	Chlorobenzene	<1	ppb
7/6/2015	Chloroethane	<10	ppb
7/6/2015	Chloroform	4	ppb
7/6/2015	Chloromethane	<10	ppb
7/6/2015	cis-1,3-Dichloropropene	<1	ppb
7/6/2015	Dibromochloromethane	<1	ppb
7/6/2015	Ethylbenzene	<1	ppb
7/6/2015	Methylene Chloride	<5	ppb
7/6/2015	o- xylene	<1	ppb
7/6/2015	p&m xylene	<1	ppb
7/6/2015	Tetrachlorethene	2	ppb
7/6/2015	Toluene	2	ppb
7/6/2015	Trans-1,2-Dichloroethene	<1	ppb
7/6/2015	Trans-1,3-Dichloropropen	<1	ppb
7/6/2015	Trichlorethene	<1	ppb
7/6/2015	Trichlorofluoromethane	<1	ppb
7/6/2015	Vinyl Chloride	<1	ppb
8/17/2015	1,1,1-Trichloroethane	<1	ppb
8/17/2015	1,1,2,2-Tetrachlorethane	<1	ppb
8/17/2015	1,1,2-Trichloroethane	<1	ppb
8/17/2015	1,1-Dichloroethane	<1	ppb
8/17/2015	1,1-Dichloroethene	<1	ppb
8/17/2015	1,2-dichlorobenzene	<1	ppb
8/17/2015	1,2-Dichloroethane	<1	ppb
8/17/2015	1,2-Dichloropropane	<1	ppb
8/17/2015	1,3-dichlorobenzene	<1	ppb
8/17/2015	1,4-dichlorobenzene	<1	ppb
8/17/2015	2-Chloroethylvinylether	<2	ppb
8/17/2015	Benzene	<1	ppb
8/17/2015	Bromodichloromethane	<1	ppb
8/17/2015	Bromoform	<1	ppb
8/17/2015	Bromomethane	<10	ppb
8/17/2015	Carbon Tetrachloride	<1	ppb
8/17/2015	Chlorobenzene	<1	ppb
8/17/2015	Chloroethane	<10	ppb
8/17/2015	Chloroform	5	ppb

Bucklin Point Effluent Grab Samples			
Sample Date	**Parameter**	**Result**	**Units**
7/7/2015	1,1,2-Trichloroethane	<1	ppb
7/7/2015	1,1-Dichloroethane	<1	ppb
7/7/2015	1,1-Dichloroethene	<1	ppb
7/7/2015	1,2-dichlorobenzene	<1	ppb
7/7/2015	1,2-Dichloroethane	<1	ppb
7/7/2015	1,2-Dichloropropane	<1	ppb
7/7/2015	1,3-dichlorobenzene	<1	ppb
7/7/2015	1,4-dichlorobenzene	<1	ppb
7/7/2015	2-Chloroethylvinylether	<2	ppb
7/7/2015	Benzene	<1	ppb
7/7/2015	Bromodichloromethane	<1	ppb
7/7/2015	Bromoform	<1	ppb
7/7/2015	Bromomethane	<10	ppb
7/7/2015	Carbon Tetrachloride	<1	ppb
7/7/2015	Chlorobenzene	<1	ppb
7/7/2015	Chloroethane	<10	ppb
7/7/2015	Chloroform	<1	ppb
7/7/2015	Chloromethane	<10	ppb
7/7/2015	cis-1,3-Dichloropropene	<1	ppb
7/7/2015	Dibromochloromethane	<1	ppb
7/7/2015	Ethylbenzene	<1	ppb
7/7/2015	Methylene Chloride	<5	ppb
7/7/2015	o- xylene	<1	ppb
7/7/2015	p&m xylene	<1	ppb
7/7/2015	Tetrachlorethene	<1	ppb
7/7/2015	Toluene	<1	ppb
7/7/2015	Trans-1,2-Dichloroethene	<1	ppb
7/7/2015	Trans-1,3-Dichloropropen	<1	ppb
7/7/2015	Trichlorethene	<1	ppb
7/7/2015	Trichlorofluoromethane	<1	ppb
7/7/2015	Vinyl Chloride	<1	ppb
8/18/2015	1,1,1-Trichloroethane	<1	ppb
8/18/2015	1,1,2,2-Tetrachlorethane	<1	ppb
8/18/2015	1,1,2-Trichloroethane	<1	ppb
8/18/2015	1,1-Dichloroethane	<1	ppb
8/18/2015	1,1-Dichloroethene	<1	ppb
8/18/2015	1,2-dichlorobenzene	<1	ppb
8/18/2015	1,2-Dichloroethane	<1	ppb
8/18/2015	1,2-Dichloropropane	<1	ppb
8/18/2015	1,3-dichlorobenzene	<1	ppb
8/18/2015	1,4-dichlorobenzene	<1	ppb
8/18/2015	2-Chloroethylvinylether	<2	ppb
8/18/2015	Benzene	<1	ppb
8/18/2015	Bromodichloromethane	<1	ppb
8/18/2015	Bromoform	<1	ppb
8/18/2015	Bromomethane	<10	ppb
8/18/2015	Carbon Tetrachloride	<1	ppb
8/18/2015	Chlorobenzene	<1	ppb
8/18/2015	Chloroethane	<10	ppb
8/18/2015	Chloroform	<1	ppb

Table 25: EPA Priority Pollutants Data Bucklin Point

Bucklin Point Influent Grab Samples			
Sample Date	**Parameter**	**Result**	**Units**
8/17/2015	Chloromethane	<10	ppb
8/17/2015	cis-1,3-Dichloropropene	<1	ppb
8/17/2015	Dibromochloromethane	<1	ppb
8/17/2015	Ethylbenzene	<1	ppb
8/17/2015	Methylene Chloride	<5	ppb
8/17/2015	o- xylene	<1	ppb
8/17/2015	p&m xylene	<1	ppb
8/17/2015	Tetrachlorethene	5	ppb
8/17/2015	Toluene	6	ppb
8/17/2015	Trans-1,2-Dichloroethene	<1	ppb
8/17/2015	Trans-1,3-Dichloropropen	<1	ppb
8/17/2015	Trichlorethene	<1	ppb
8/17/2015	Trichlorofluoromethane	<1	ppb
8/17/2015	Vinyl Chloride	<1	ppb
9/14/2015	1,1,1-Trichloroethane	<1	ppb
9/14/2015	1,1,2,2-Tetrachlorethane	<1	ppb
9/14/2015	1,1,2-Trichloroethane	<1	ppb
9/14/2015	1,1-Dichloroethane	<1	ppb
9/14/2015	1,1-Dichloroethene	<1	ppb
9/14/2015	1,2-dichlorobenzene	<1	ppb
9/14/2015	1,2-Dichloroethane	<1	ppb
9/14/2015	1,2-Dichloropropane	<1	ppb
9/14/2015	1,3-dichlorobenzene	<1	ppb
9/14/2015	1,4-dichlorobenzene	<1	ppb
9/14/2015	2-Chloroethylvinylether	<2	ppb
9/14/2015	Benzene	<1	ppb
9/14/2015	Bromodichloromethane	<1	ppb
9/14/2015	Bromoform	<1	ppb
9/14/2015	Bromomethane	<10	ppb
9/14/2015	Carbon Tetrachloride	<1	ppb
9/14/2015	Chlorobenzene	<1	ppb
9/14/2015	Chloroethane	<10	ppb
9/14/2015	Chloroform	3.0	ppb
9/14/2015	Chloromethane	<10	ppb
9/14/2015	cis-1,3-Dichloropropene	<1	ppb
9/14/2015	Dibromochloromethane	<1	ppb
9/14/2015	Ethylbenzene	<1	ppb
9/14/2015	Methylene Chloride	<5	ppb
9/14/2015	o- xylene	<1	ppb
9/14/2015	p&m xylene	<1	ppb
9/14/2015	Tetrachlorethene	2.2	ppb
9/14/2015	Toluene	11	ppb
9/14/2015	Trans-1,2-Dichloroethene	<1	ppb
9/14/2015	Trans-1,3-Dichloropropen	<1	ppb
9/14/2015	Trichlorethene	<1	ppb
9/14/2015	Trichlorofluoromethane	<1	ppb
9/14/2015	Vinyl Chloride	<1	ppb
10/5/2015	1,1,1-Trichloroethane	<1	ppb
10/5/2015	1,1,2,2-Tetrachlorethane	<1	ppb
10/5/2015	1,1,2-Trichloroethane	<1	ppb

Bucklin Point Effluent Grab Samples			
Sample Date	**Parameter**	**Result**	**Units**
8/18/2015	Chloromethane	<10	ppb
8/18/2015	cis-1,3-Dichloropropene	<1	ppb
8/18/2015	Dibromochloromethane	<1	ppb
8/18/2015	Ethylbenzene	<1	ppb
8/18/2015	Methylene Chloride	<5	ppb
8/18/2015	o- xylene	<1	ppb
8/18/2015	p&m xylene	<1	ppb
8/18/2015	Tetrachlorethene	<1	ppb
8/18/2015	Toluene	<1	ppb
8/18/2015	Trans-1,2-Dichloroethene	<1	ppb
8/18/2015	Trans-1,3-Dichloropropen	<1	ppb
8/18/2015	Trichlorethene	<1	ppb
8/18/2015	Trichlorofluoromethane	<1	ppb
8/18/2015	Vinyl Chloride	<1	ppb
9/15/2015	1,1,1-Trichloroethane	<1	ppb
9/15/2015	1,1,2,2-Tetrachlorethane	<1	ppb
9/15/2015	1,1,2-Trichloroethane	<1	ppb
9/15/2015	1,1-Dichloroethane	<1	ppb
9/15/2015	1,1-Dichloroethene	<1	ppb
9/15/2015	1,2-dichlorobenzene	<1	ppb
9/15/2015	1,2-Dichloroethane	<1	ppb
9/15/2015	1,2-Dichloropropane	<1	ppb
9/15/2015	1,3-dichlorobenzene	<1	ppb
9/15/2015	1,4-dichlorobenzene	<1	ppb
9/15/2015	2-Chloroethylvinylether	<2	ppb
9/15/2015	Benzene	<1	ppb
9/15/2015	Bromodichloromethane	<1	ppb
9/15/2015	Bromoform	<1	ppb
9/15/2015	Bromomethane	<10	ppb
9/15/2015	Carbon Tetrachloride	<1	ppb
9/15/2015	Chlorobenzene	<1	ppb
9/15/2015	Chloroethane	<10	ppb
9/15/2015	Chloroform	<1	ppb
9/15/2015	Chloromethane	<10	ppb
9/15/2015	cis-1,3-Dichloropropene	<1	ppb
9/15/2015	Dibromochloromethane	<1	ppb
9/15/2015	Ethylbenzene	<1	ppb
9/15/2015	Methylene Chloride	<5	ppb
9/15/2015	o- xylene	<1	ppb
9/15/2015	p&m xylene	<1	ppb
9/15/2015	Tetrachlorethene	<1	ppb
9/15/2015	Toluene	<1	ppb
9/15/2015	Trans-1,2-Dichloroethene	<1	ppb
9/15/2015	Trans-1,3-Dichloropropen	<1	ppb
9/15/2015	Trichlorethene	<1	ppb
9/15/2015	Trichlorofluoromethane	<1	ppb
9/15/2015	Vinyl Chloride	<1	ppb
10/6/2015	1,1,1-Trichloroethane	<1	ppb
10/6/2015	1,1,2,2-Tetrachlorethane	<1	ppb
10/6/2015	1,1,2-Trichloroethane	<1	ppb

Table 25: EPA Priority Pollutants Data Bucklin Point

Bucklin Point Influent Grab Samples			
Sample Date	**Parameter**	**Result**	**Units**
10/5/2015	1,1-Dichloroethane	<1	ppb
10/5/2015	1,1-Dichloroethene	<1	ppb
10/5/2015	1,2-dichlorobenzene	<1	ppb
10/5/2015	1,2-Dichloroethane	<1	ppb
10/5/2015	1,2-Dichloropropane	<1	ppb
10/5/2015	1,3-dichlorobenzene	<1	ppb
10/5/2015	1,4-dichlorobenzene	<1	ppb
10/5/2015	2-Chloroethylvinylether	<2	ppb
10/5/2015	Benzene	<1	ppb
10/5/2015	Bromodichloromethane	<1	ppb
10/5/2015	Bromoform	<1	ppb
10/5/2015	Bromomethane	<10	ppb
10/5/2015	Carbon Tetrachloride	<1	ppb
10/5/2015	Chlorobenzene	<1	ppb
10/5/2015	Chloroethane	<10	ppb
10/5/2015	Chloroform	2	ppb
10/5/2015	Chloromethane	<10	ppb
10/5/2015	cis-1,3-Dichloropropene	<1	ppb
10/5/2015	Dibromochloromethane	<1	ppb
10/5/2015	Ethylbenzene	<1	ppb
10/5/2015	Methylene Chloride	<5	ppb
10/5/2015	o- xylene	<1	ppb
10/5/2015	p&m xylene	<1	ppb
10/5/2015	Tetrachlorethene	<1	ppb
10/5/2015	Toluene	5	ppb
10/5/2015	Trans-1,2-Dichloroethene	<1	ppb
10/5/2015	Trans-1,3-Dichloropropen	<1	ppb
10/5/2015	Trichlorethene	<1	ppb
10/5/2015	Trichlorofluoromethane	<1	ppb
10/5/2015	Vinyl Chloride	<1	ppb
11/2/2015	1,1,1-Trichloroethane	<1	ppb
11/2/2015	1,1,2,2-Tetrachlorethane	<1	ppb
11/2/2015	1,1,2-Trichloroethane	<1	ppb
11/2/2015	1,1-Dichloroethane	<1	ppb
11/2/2015	1,1-Dichloroethene	<1	ppb
11/2/2015	1,2-dichlorobenzene	<1	ppb
11/2/2015	1,2-Dichloroethane	<1	ppb
11/2/2015	1,2-Dichloropropane	<1	ppb
11/2/2015	1,3-dichlorobenzene	<1	ppb
11/2/2015	1,4-dichlorobenzene	<1	ppb
11/2/2015	2-Chloroethylvinylether	<2	ppb
11/2/2015	Benzene	<1	ppb
11/2/2015	Bromodichloromethane	<1	ppb
11/2/2015	Bromoform	<1	ppb
11/2/2015	Bromomethane	<10	ppb
11/2/2015	Carbon Tetrachloride	<1	ppb
11/2/2015	Chlorobenzene	<1	ppb
11/2/2015	Chloroethane	<10	ppb
11/2/2015	Chloroform	3	ppb
11/2/2015	Chloromethane	<10	ppb

Bucklin Point Effluent Grab Samples			
Sample Date	**Parameter**	**Result**	**Units**
10/6/2015	1,1-Dichloroethane	<1	ppb
10/6/2015	1,1-Dichloroethene	<1	ppb
10/6/2015	1,2-dichlorobenzene	<1	ppb
10/6/2015	1,2-Dichloroethane	<1	ppb
10/6/2015	1,2-Dichloropropane	<1	ppb
10/6/2015	1,3-dichlorobenzene	<1	ppb
10/6/2015	1,4-dichlorobenzene	<1	ppb
10/6/2015	2-Chloroethylvinylether	<2	ppb
10/6/2015	Benzene	<1	ppb
10/6/2015	Bromodichloromethane	<1	ppb
10/6/2015	Bromoform	<1	ppb
10/6/2015	Bromomethane	<10	ppb
10/6/2015	Carbon Tetrachloride	<1	ppb
10/6/2015	Chlorobenzene	<1	ppb
10/6/2015	Chloroethane	<10	ppb
10/6/2015	Chloroform	<1	ppb
10/6/2015	Chloromethane	<10	ppb
10/6/2015	cis-1,3-Dichloropropene	<1	ppb
10/6/2015	Dibromochloromethane	<1	ppb
10/6/2015	Ethylbenzene	<1	ppb
10/6/2015	Methylene Chloride	<5	ppb
10/6/2015	o- xylene	<1	ppb
10/6/2015	p&m xylene	<1	ppb
10/6/2015	Tetrachlorethene	<1	ppb
10/6/2015	Toluene	<1	ppb
10/6/2015	Trans-1,2-Dichloroethene	<1	ppb
10/6/2015	Trans-1,3-Dichloropropen	<1	ppb
10/6/2015	Trichlorethene	<1	ppb
10/6/2015	Trichlorofluoromethane	<1	ppb
10/6/2015	Vinyl Chloride	<1	ppb
11/3/2015	1,1,1-Trichloroethane	<1	ppb
11/3/2015	1,1,2,2-Tetrachlorethane	<1	ppb
11/3/2015	1,1,2-Trichloroethane	<1	ppb
11/3/2015	1,1-Dichloroethane	<1	ppb
11/3/2015	1,1-Dichloroethene	<1	ppb
11/3/2015	1,2-dichlorobenzene	<1	ppb
11/3/2015	1,2-Dichloroethane	<1	ppb
11/3/2015	1,2-Dichloropropane	<1	ppb
11/3/2015	1,3-dichlorobenzene	<1	ppb
11/3/2015	1,4-dichlorobenzene	<1	ppb
11/3/2015	2-Chloroethylvinylether	<2	ppb
11/3/2015	Benzene	<1	ppb
11/3/2015	Bromodichloromethane	<1	ppb
11/3/2015	Bromoform	<1	ppb
11/3/2015	Bromomethane	<10	ppb
11/3/2015	Carbon Tetrachloride	<1	ppb
11/3/2015	Chlorobenzene	<1	ppb
11/3/2015	Chloroethane	<10	ppb
11/3/2015	Chloroform	<1	ppb
11/3/2015	Chloromethane	<10	ppb

Table 25: EPA Priority Pollutants Data Bucklin Point

Bucklin Point Influent Grab Samples			
Sample Date	**Parameter**	**Result**	**Units**
11/2/2015	cis-1,3-Dichloropropene	<1	ppb
11/2/2015	Dibromochloromethane	<1	ppb
11/2/2015	Ethylbenzene	<1	ppb
11/2/2015	Methylene Chloride	<5	ppb
11/2/2015	o- xylene	<1	ppb
11/2/2015	p&m xylene	<1	ppb
11/2/2015	Tetrachlorethene	9	ppb
11/2/2015	Toluene	4	ppb
11/2/2015	Trans-1,2-Dichloroethene	<1	ppb
11/2/2015	Trans-1,3-Dichloropropen	<1	ppb
11/2/2015	Trichlorethene	<1	ppb
11/2/2015	Trichlorofluoromethane	<1	ppb
11/2/2015	Vinyl Chloride	<1	ppb
12/7/2015	1,1,1-Trichloroethane	<1	ppb
12/7/2015	1,1,2,2-Tetrachlorethane	<1	ppb
12/7/2015	1,1,2-Trichloroethane	<1	ppb
12/7/2015	1,1-Dichloroethane	<1	ppb
12/7/2015	1,1-Dichloroethene	<1	ppb
12/7/2015	1,2-dichlorobenzene	<1	ppb
12/7/2015	1,2-Dichloroethane	<1	ppb
12/7/2015	1,2-Dichloropropane	<1	ppb
12/7/2015	1,3-dichlorobenzene	<1	ppb
12/7/2015	1,4-dichlorobenzene	<1	ppb
12/7/2015	2-Chloroethylvinylether	<2	ppb
12/7/2015	Benzene	<1	ppb
12/7/2015	Bromodichloromethane	<1	ppb
12/7/2015	Bromoform	<1	ppb
12/7/2015	Bromomethane	<10	ppb
12/7/2015	Carbon Tetrachloride	<1	ppb
12/7/2015	Chlorobenzene	<1	ppb
12/7/2015	Chloroethane	<10	ppb
12/7/2015	Chloroform	5	ppb
12/7/2015	Chloromethane	<10	ppb
12/7/2015	cis-1,3-Dichloropropene	<1	ppb
12/7/2015	Dibromochloromethane	<1	ppb
12/7/2015	Ethylbenzene	<1	ppb
12/7/2015	Methylene Chloride	<5	ppb
12/7/2015	o- xylene	<1	ppb
12/7/2015	p&m xylene	<1	ppb
12/7/2015	Tetrachlorethene	4	ppb
12/7/2015	Toluene	2	ppb
12/7/2015	Trans-1,2-Dichloroethene	<1	ppb
12/7/2015	Trans-1,3-Dichloropropen	<1	ppb
12/7/2015	Trichlorethene	1	ppb
12/7/2015	Trichlorofluoromethane	<1	ppb
12/7/2015	Vinyl Chloride	<1	ppb

Bucklin Point Effluent Grab Samples			
Sample Date	**Parameter**	**Result**	**Units**
11/3/2015	cis-1,3-Dichloropropene	<1	ppb
11/3/2015	Dibromochloromethane	<1	ppb
11/3/2015	Ethylbenzene	<1	ppb
11/3/2015	Methylene Chloride	<5	ppb
11/3/2015	o- xylene	<1	ppb
11/3/2015	p&m xylene	<1	ppb
11/3/2015	Tetrachlorethene	<1	ppb
11/3/2015	Toluene	<1	ppb
11/3/2015	Trans-1,2-Dichloroethene	<1	ppb
11/3/2015	Trans-1,3-Dichloropropen	<1	ppb
11/3/2015	Trichlorethene	<1	ppb
11/3/2015	Trichlorofluoromethane	<1	ppb
11/3/2015	Vinyl Chloride	<1	ppb
12/8/2015	1,1,1-Trichloroethane	<1	ppb
12/8/2015	1,1,2,2-Tetrachlorethane	<1	ppb
12/8/2015	1,1,2-Trichloroethane	<1	ppb
12/8/2015	1,1-Dichloroethane	<1	ppb
12/8/2015	1,1-Dichloroethene	<1	ppb
12/8/2015	1,2-dichlorobenzene	<1	ppb
12/8/2015	1,2-Dichloroethane	<1	ppb
12/8/2015	1,2-Dichloropropane	<1	ppb
12/8/2015	1,3-dichlorobenzene	<1	ppb
12/8/2015	1,4-dichlorobenzene	<1	ppb
12/8/2015	2-Chloroethylvinylether	<2	ppb
12/8/2015	Benzene	<1	ppb
12/8/2015	Bromodichloromethane	<1	ppb
12/8/2015	Bromoform	<1	ppb
12/8/2015	Bromomethane	<10	ppb
12/8/2015	Carbon Tetrachloride	<1	ppb
12/8/2015	Chlorobenzene	<1	ppb
12/8/2015	Chloroethane	<10	ppb
12/8/2015	Chloroform	<1	ppb
12/8/2015	Chloromethane	<10	ppb
12/8/2015	cis-1,3-Dichloropropene	<1	ppb
12/8/2015	Dibromochloromethane	<1	ppb
12/8/2015	Ethylbenzene	<1	ppb
12/8/2015	Methylene Chloride	<5	ppb
12/8/2015	o- xylene	<1	ppb
12/8/2015	p&m xylene	<1	ppb
12/8/2015	Tetrachlorethene	<1	ppb
12/8/2015	Toluene	<1	ppb
12/8/2015	Trans-1,2-Dichloroethene	<1	ppb
12/8/2015	Trans-1,3-Dichloropropen	<1	ppb
12/8/2015	Trichlorethene	<1	ppb
12/8/2015	Trichlorofluoromethane	<1	ppb
12/8/2015	Vinyl Chloride	<1	ppb

Sanitary Manhole Sampling Data 2015

Date	Location	As (ppb)	BOD (ppm)	Cd (ppb)	Cr (ppb)	Cu (ppb)	CN (ppb)	Total Nitrogen (ppm)	Pb (ppb)	Hg (ppt)	Mo (ppb)	NH3-N (ppm)	Ni (ppb)	NO2 (mg/L)	NO3NO2 (mg/L)	Se (ppb)	Ag (ppb)	Sn (ppb)	TKN (mgN/L)	TSS (ppm)	Zn (ppb)
1/2/2015	BS17	<0.500		0.245	0.682	22.49	<4.00		1.932	29.1	0.492		1.989			<1.000	0.195	<5.0		236	77.19
1/7/2015	FS38	<0.500	<2.00	0.053	0.404	0.82	<4.00		<0.300	<2.0	0.308		1.204			<1.000	<0.020			< 2.0	5.98
1/14/2015	BS13	<0.500	87.20	0.080	0.467	7.30	<4.00		0.592	13.8	0.344		1.624			<1.000	0.069	<5.0		66	60.03
1/21/2015	FS43	0.559	232.93	0.163	0.992	43.20	<4.00		10.037	13.2	0.893		2.113			<1.000	0.076			124	78.13
1/28/2015	BS05	<0.500	157.06	0.088	0.411	12.42	<4.00		0.499	14.7	0.553		1.359			<1.000	0.089	<5.0		84	56.81
2/4/2015	FS26	0.568	220.22	0.127	0.827	30.79	<4.00		13.830	51.2	0.728		1.490			<1.000	0.128			166	76.94
2/11/2015	BS03	<0.500	180.00	0.137	2.220	14.60	<4.00		1.073	16.7	0.486		1.730			<1.000	0.173	<5.0		170	77.35
2/25/2015	FS43	<2.50	51.40	1.332	12.547	20.07	65.10		33.317	14.0	2.814		7.938			<5.000	0.159			156	247.37
3/4/2015	BS20	1.638	521.65	0.253	2.780	55.53	8.26		6.209	43.9	1.440		3.255			1.210	0.123	<5.0		308	192.20
3/11/2015	FS04	<0.500	31.55	0.144	<0.300	4.24	<4.00		2.249	9.2	<0.300		1.461			<1.000	0.063			34	24.03
3/18/2015	BS10	<0.500	207.38	0.086	0.963	37.22	<4.00		3.968	85.2	0.639		1.866			<1.000	0.177	<5.0		120	335.50
3/25/2015	FS13	<0.500	46.02	0.362	0.870	3.05	<4.00		0.689	5.3	<0.300		1.443			<1.000	0.022			34	22.54
4/1/2015	BS04	<0.500	57.15	0.085	0.301	4.54	<4.00		<0.300	8.7	0.372		1.330			<1.000	0.059	<5.0		48	24.54
4/8/2015	FS42	0.711		0.230	3.499	23.53	5.53		17.550		1.628		2.723			<1.000	0.219				151.93
4/15/2015	BS26	1.934		0.633	17.343	75.92	8.11		44.967		6.360		12.630			<1.000	0.112	<5.0			256.93
4/22/2015	BS17	<0.500	38.25	0.217	<0.300	10.76	<4.00		8.608	4.9	0.348		1.456			<1.000	0.031	<5.0		16	34.83
4/29/2015	FS14	<0.500	130.63	0.208	1.412	28.98	5.66		1.653	17.3	0.676		1.709			<1.000	0.098			210	108.20
5/6/2015	BS10	<0.500	286.26	0.190	1.341	80.32	4.64		9.095	17.3	0.753	41.5	2.927	0.0181	<0.100	<1.000	0.495	<5.0	61.3	284	127.13
5/13/2015	FS03	3.467	340.36	3.690	18.300	4879.00	27,400.0		98.063	81.1	2.146	92.8	14,100.0	0.2840	0.828	29.463	14.103		156	476	481.10
5/20/2015	FS01	0.667	291.28	0.090	0.732	24.11	6.24		6.512	29.7	0.847	71.2	2.004	0.0131	<0.100	<1.000	0.092		91.9	198	75.55
5/27/2015	BS21	0.607	288.62	0.246	1.709	117.80	4.29	67.4	10.033	35.8	1.153	45.2	2.579	0.0145	<0.100	<1.000	0.261	<5.0	67.4	396	178.23
6/10/2015	FS37	<0.500	261.07	0.224	1.247	23.41	<4.00	37.4	13.440	62.4	0.673	20.0	1.781	<0.0100	<0.100	<1.000	0.465		37.4	360	108.87
6/24/2015	FS13	<0.500	62.00	0.339	1.228	11.70	5.52	23.6	2.937	17.1	0.422	12.7	2.283	<0.0100	<0.100	<1.000	0.378		23.6	166	80.36
7/15/2015	FS05	<0.500	29.83	0.527	1.046	11.30	<4.00	8.3	4.731	14.8	2.476	2.9	1.182	0.2160	0.503	<1.000	0.168		7.8	40	36.90
7/29/2015	BS22	0.592	380.21	0.223	2.799	113.90	69.40	76.4	11.757	52.3	1.328	46.6	4.089	0.0248	<0.100	<1.000	0.300	<5.0	76.4	328	233.63
8/5/2015	FS34	<0.500	181.80	0.076	0.744	7.97	<4.00	36.9	1.015	9.7	0.649	5.2	2.118	0.0149	<0.100	<1.000	0.201		36.9	126	36.67
8/12/2015	BS02	<1.50	1700.00	1.434	3.887	187.50	19.60	326.0	28.987	2.5	6.798	181.0	11.163	<0.0100	<0.100	3.314	0.223	<5.0	326	2030	1190.33
8/26/2015	FS17	0.781	215.86	0.209	1.697	23.61	4.24	77.0	7.429	18.5	0.900	55.9	2.909	<0.100		<1.000	0.256		77	222	98.15
9/2/2015	FS31	<0.500	322.48	0.301	1.310	47.34	<4.00	54.2	2.243	41.5	0.934	27.1	2.893	<0.100		<1.000	0.467		54.2	308	160.00
9/9/2015	BS09	<0.500	184.58	0.166	1.231	48.54	<4.00	39.6	6.855	66.1	0.703	17.6	2.060	<0.100		<1.000	0.173	<5.0	39.6	244	111.20
9/16/2015	FS27	0.66	419.20	0.237	1.378	42.59	<4.00	112.0	1.234	<2.0	1.159	78.6	2.422	<0.100		<1.000	0.258		112	418	170.57
9/23/2015	FS15	1.247	496.95	0.406	2.932	59.59	<4.00	135.0	28.410	3.2	2.358	95.0	4.265	<0.100		1.305	0.683		135	2800	1382.00
9/30/2015	BS14	<0.500	<2.00	0.063	0.389	2.98	<4.00	3.6	2.004	<2.0	<0.300	1.3	0.723	1.5700		<1.000	<0.020	<5.0	2.02	14	11.55
10/7/2015	FS12	<0.500	183.94	0.183	0.956	13.82	<4.00	22.1	12.043	33.9	0.611	17.4	2.149	<0.100		<1.000	0.302		22.1	386	80.94
10/16/2015	BS12	1.055	527.48	0.375	2.510	148.53	<4.00	115.0	19.690	32.4	1.943	99.9	4.256	<0.100		1.076	2.042	<5.0	115	980	290.73
10/21/2015	FS41	0.562	179.10	0.118	1.237	14.71	4.56	44.2	5.301	30.0	0.638	32.8	1.844	<0.100		<1.000	0.967		44.2	98	70.92
10/28/2015	BS16	<0.500	75.48	0.083	0.965	43.19	<4.00	19.2	5.876	9.2	0.445	14.3	1.460	<0.100		<1.000	0.181	11.36	19.2	132	71.17
11/4/2015	FS19	0.519	242.71	0.228	1.366	32.13	<4.00	88.3	9.132	18.7	1.409	48.5	2.686	<0.100		<1.000	0.149		88.3	1036	193.43
11/9/2015	FS24	0.667	313.12	0.217	0.846	21.72	<4.00	120.0	8.534	40.7	1.284	68.3	3.798	<0.100		<1.000	0.158		120	256	175.07
11/18/2015	BS23	<0.500	304.21	0.195	1.237	63.85	<4.00	45.2	9.379	64.8	1.144	31.9	2.683	<0.100		<1.000	0.163	<5.0	45.2	196	175.00
12/2/2015	BS07	<0.500	399.42	0.132	1.216	52.47	<4.00	90.6	5.651	11.1	1.346	56.9	2.832	<0.100		1.077	0.096	<5.0	90.6	286	193.87
12/9/2015	FS24	3.726	289.43	0.317	2.957	16.62	<4.00	91.1	22.469	15.0	0.897	47.8	1.926	<0.100		<1.000	0.142		91.1	190	86.10
12/16/2015	FS13	0.729	137.10	0.171	0.738	10.61	<4.00	33.6	1.580	15.7	0.357	21.4	1.481	<0.100		<1.000	0.134		33.6	158	64.00

BS= Bucklin Point Sanitary Manhole FS= Field's Point Sanitary Manhole

Table: 26 Sanitary Manhole Sampling Data

User Name	Location	Cat. #	Sample Date	Type	Flow	Volume	CDF	Cd	Cr	Cu	Pb	Ni	Zn	Cn	Ag	BOD	TSS	TTO	Total O & G	Misc	District
A & F Plating Company	# 1	11	2/11/2015	C	748		No	0.015	0.075	0.058	0.075	0.164	0.06	0.072	0.025					ammonia = .1, ARSENIC = .005	FP
A & F Plating Company	# 1	11	5/20/2015	G	0	1	No	0.015	0.075	1.6	0.088	0.976	0.282		0.025						FP
A & F Plating Company	# 1	11	7/15/2015	C	410		No	0.015	0.075	0.18	0.075	0.077	0.06	0.018	0.025					AMMONIA = .212, ARSENIC = .005	FP
A. Harrison & Company, Inc.	# 1	22	2/26/2015	G	0	0	No											0.03	4	AMMONIA = .1	FP
A. Harrison & Company, Inc.	# 1	22	9/15/2015	G	0	0	No											0.005	4	AMMONIA = .1, TKN = .5, NO3+NO2 = .1, Total Nitrogen = 0	FP
Accent Plating Company	# 1	11	2/17/2015	C	1296		No	0.015	0.075	3.35	0.075	0.058	0.06	0.004	0.025						BP
Accent Plating Company	# 1	11	5/19/2015	C	2000		No	0.015	0.075	0.034	0.075	0.05	0.06	0.008	0.025						BP
Accent Plating Company	# 1	11	12/1/2015	C	2700		No	0.015	0.075	0.02	0.075	0.05	0.211	0.004	0.025					TKN = 2.47, NO3+NO2 = 2.5, AMMONIA = 1.19, Total Nitrogen = 2.47	BP
AG&G Incorporated	# 1	60	1/13/2015	C	2094		No	0.015	0.106	0.217	0.075	0.118	0.06	0.028	0.025					ARSENIC = .005, ammonia = .153	FP
AG&G Incorporated	# 1	60	3/9/2015	C			No	0.015	0.192	0.225	0.075	0.091	0.084	0.019	0.025					AMMONIA = .1, ARSENIC = .005	FP
Al-Jac Produce	# 1	81	12/23/2015	C	598		No									7579.56	3164			AMMONIA = 21.8, TKN = 207, NO3+NO2 = 2.5, Total Nitrogen = 207	FP
Alloy Holdings, LLC	# 1	43	2/19/2015	C	3441		No	0.015	0.075	0.02	0.02	0.05	0.06		0.025					AMMONIA = .1, ARSENIC = .005	FP
Alloy Holdings, LLC	# 1	43	9/24/2015	C			No	0.015	0.075	0.02	0.075	0.05	0.06		0.025					NO3+NO2 = .1, Total Nitrogen = 0, AMMONIA = 2.5, TKN = .5, ARSENIC = .005	FP
Angelica Textile Service	# 1	25	2/11/2015	C	85122		No									352.7	16		25.53		BP
Angelica Textile Service	# 1	25	11/18/2015	C	33960		No										38		11.86	NO3+NO2 = 2.5, AMMONIA = .238, TKN = 5.51, Total Nitrogen = 5.51	BP
Armbrust International, Ltd.	# 1	11	4/28/2015	C	2020		No	0.015	0.075	0.394	0.075	0.561	0.218	0.023	0.053					AMMONIA = 2.11, ARSENIC = .005	FP
Armbrust International, Ltd.	# 1	11	11/23/2015	C	374		No	0.015	0.075	0.46	0.075		0.678	0.059	0.134					TKN = 31, NO3+NO2 = 2.5, AMMONIA = 3.87, Total Nitrogen = 31, ARSENIC = .005	FP
Aspen Aerogels Rhode Island, LLC	# 1	27	6/4/2015	C	9714		No									11368	246	0.003			BP
Aspen Aerogels Rhode Island, LLC	# 1	27	11/30/2015	C	3708		No									21824.86	8	0.085		AMMONIA = 6810, TKN = 7500, NO3+NO2 = 2.5, Total Nitrogen = 7500	BP
Bliss Manufacturing Co., Inc.	# 1	11	3/11/2015	C			No	0.015	0.075	0.073	0.075	0.05	0.06	0.114	0.025						BP
Bliss Manufacturing Co., Inc.	# 1	11	10/29/2015	C	665		No	0.015	0.075	0.037	0.075	0.05	0.566	1.81	1.59					Total Nitrogen = 31.95, TKN = 25.3, NO3+NO2 = 6.65, AMMONIA = 16.5	BP
Bliss Manufacturing Co., Inc.	# 1	11	12/21/2015	C	0	441	No	0.015	0.075	0.152	0.075	0.05	0.06	0.203	0.31					AMMONIA = 1.42, Total Nitrogen = 2.53, TKN = 2.53, NO3+NO2 = 2.5	BP
Chemart Company	# 1	11	1/15/2015	C	14265		No	0.015	0.075	0.152	0.075	0.05	0.06	0.012	0.025						BP
Chemart Company	# 1	11	9/9/2015	C	12701		No	0.015	0.075	1.42	0.075	0.327	0.06	0.394	0.025					Total Nitrogen = 4.226, TKN = 4.09, NO3+NO2 = .136, AMMONIA = 1.13, Seasonal Total Nitrogen = 4.226, ARSENIC = .005	BP
Cintas Corporation	# 1	25	3/31/2015	C	60960		No	0.015	0.075	0.062	0.075	0.05	0.523	0.01	0.025	471.53	38	0.03	31.02		BP
Cintas Corporation	# 1	25	10/21/2015	C	21260		No						0.119		0.018		37	0.047	10.535	Total Nitrogen = 13.85, TKN = 8.62, NO3+NO2 = 5.23, AMMONIA = .1	BP
Conopco, Inc. (Site #1)	# 1	40	4/21/2015	C	0		No											0.361			BP
Conopco, Inc. (Site #1)	# 1	40	9/22/2015	C	77300		No											0.262		Total Nitrogen = .697, TKN = .5, AMMONIA = .1, NO3+NO2 = .697	BP
Contract Specialties, Inc.	# 1	11	2/5/2015	C	517		No	0.015	0.075	0.104	0.075	0.05	0.06	0.004	0.025					ammonia = .1, Arsenic = .005	FP
Contract Specialties, Inc.	# 1	11	9/29/2015	C	4466		No	0.015	0.075	0.105	0.075	0.05	0.06	0.004	0.025					AMMONIA = .1, NO3+NO2 = .201, ARSENIC = .005, Total Nitrogen = 0, TKN = .5	FP
Darlene Group	# 1	11	1/20/2015	C	105		No	0.015	0.075	0.118	0.075	0.05	0.06	0.004	0.025						BP
Darlene Group	# 1	11	9/16/2015	C	140	0	No	0.015	0.075	0.268	0.075	0.112	0.06	0.004	0.025					AMMONIA = 2.62, NO3+NO2 = .494, TKN = 28.4, Total Nitrogen = 28.894	BP

Table: 27 NBC Significant Industrial User Sample Results

User Name	Location	Cat. #	Sample Date	Type	Flow	Volume	CDF	Cd	Cr	Cu	Pb	Ni	Zn	Cn	Ag	BOD	TSS	TTO	Total O & G	Misc	District
Denison Acquisition Company, LLC	# 1	14	3/3/2015	G		1100	No	0.015	0.075	0.023	0.075	0.05	1.01		0.025	877.85	4	55.011		METHYLENE CHLORIDE = .005, ETHYL ACETATE = .01, N-AMYL ACETATE = .01, ACETONE = 55, ISOPROPYL ACETATE = .01	BP
Denison Acquisition Company, LLC	# 1	14	9/10/2015	G		1100	No	0.015	0.075	0.038	0.075	0.05	0.094		0.025	1014.28	32	5.838	13.98	Total Nitrogen = 3.328, NO3+NO2 = .108, AMMONIA = .1, ISOPROPYL ACETATE = .01, ETHYL ACETATE = .01, N-AMYL ACETATE = .01, ACETONE = 2.3, TKN = 3.22	BP
DFI-EP, LLC	# 1	11	1/14/2015	C	273		No	0.016	0.075	0.125	0.075	2.45	1.53	2.51	0.025					AMMONIA = 22.5, ARSENIC = .005	FP
DFI-EP, LLC	# 1	11	3/11/2015	C	182		No	0.281	0.674	5.3	0.075	3.99	5.67	12.9	0.049					ammonia = 1.47, ARSENIC = .005	FP
DFI-EP, LLC	# 1	11	5/6/2015	C	117		No	1.82	0.075	2.17	0.075	3.82	1.76	73.2	0.086					AMMONIA = 1.92, ARSENIC = .013	FP
DFI-EP, LLC	# 1	11	6/18/2015	C	4750		No	0.054	0.939	0.998	0.075	9.79	6.08	0.437	0.025						FP
DFI-EP, LLC	# 1	11	12/15/2015	C	4129		No	0.015	0.134	0.182	0.075	0.461	2.49	0.025	0.025					Total Nitrogen = 7.81, TKN = 1.34, NO3+NO2 = 6.47, AMMONIA = .925, ARSENIC = .005	FP
DFI-EP, LLC	# 1	11	12/17/2015	C	2281		No	0.031	0.413	0.697	0.075	1.27	5.46	0.226	0.025					Arsenic = .005	FP
DiFruscia Industries, Inc.	# 1	11	1/29/2015	C	10398		No	0.015	0.165	0.105	0.075	0.801	0.12	0.004	0.025					AMMONIA = .1, ARSENIC = .005	FP
DiFruscia Industries, Inc.	# 1	11	7/29/2015	C	10398		No	0.015	0.075	0.047	0.075	0.612	0.16	0.049	0.025					AMMONIA = .1, ARSENIC = .005	FP
Dominion Energy Manchester St., Inc.	# 1	27	2/25/2015	C	9500		No	0.015	0.075	0.02	0.075	0.05	0.06		0.025					ARSENIC = .006, AMMONIA = .287	FP
Dominion Energy Manchester St., Inc.	# 1	27	10/1/2015	C	96700		No	0.015	0.075	0.02	0.075	0.05	0.061		0.025					AMMONIA = .244, ARSENIC = .005, Total Nitrogen = 3.29, TKN = 2.13, NO3+NO2 = 1.16	FP
E&M Enterprises, LTD	# 1	11	1/8/2015	C			No	0.015	0.075	0.42	0.075	0.551	0.06	0.386	0.025					ammonia = .1, ARSENIC = .005	FP
E&M Enterprises, LTD	# 1	11	8/12/2015	C	4610		No	0.015	0.075	0.367	0.075	0.151	0.06	0.319	0.028					AMMONIA = .1, ARSENIC = .005	FP
Eagle Laundry Inc.	# 1	25	3/23/2015	C	449		No									244.3				AMMONIA = .1	FP
Eagle Laundry Inc.	# 1	25	12/15/2015	C	3890		No												68.02	Total Nitrogen = 1.12, AMMONIA = .1, NO3+NO2 = 2.5, TKN = 1.12	FP
Eastern Color & Chemical Co.	# 1	22	3/4/2015	C	15200		No	0.015	0.075	0.02	0.075	0.05	0.06		0.025	150.6	4	0.019	12.26	ARSENIC = .005	FP
Eastern Color & Chemical Co.	# 1	22	12/8/2015	C	673		No	0.015	0.075	0.044	0.075	0.057	0.129		0.025	2878.07	400	0.083	146.2	AMMONIA = .1, ARSENIC = .005, Total Nitrogen = 7.1, TKN = 7.1, NO3+NO2 = 2.5	FP
Eaton Aerospace	# 1	11	4/22/2015	C	141		No	0.015	0.075	0.02	0.075	0.05	0.06	0.004	0.025						BP
Eaton Aerospace	# 1	11	12/2/2015	C	68		No	0.015	0.075	0.02	0.075	0.05	0.06	0.004	0.025					NO3+NO2 = 2.5, AMMONIA = .1, Total Nitrogen = 1.85, TKN = 1.85	BP
Ecological Fibers, Inc.	# 1	24	1/14/2015	C	3100		No	0.015	0.075	0.125	0.075	0.076	2.41		0.025	292.54	50	0.01			BP
Ecological Fibers, Inc.	# 1	24	4/30/2015	C	23		No	0.015	0.075	0.045	0.075	0.08	2.5		0.025	186.7	16	0.011			BP
Ecological Fibers, Inc.	# 1	24	7/28/2015	C	2500	1	No	0.015	0.075	0.033	0.075	0.069	2.4		0.025	330.42	36	0.014			BP
Ecological Fibers, Inc.	# 1	24	9/3/2015	C			No	0.015	0.075	0.051	0.075	0.05	0.634		0.025	378.74	4	0.012		AMMONIA = 110, Total Nitrogen = 138, TKN = 138, NO3+NO2 = .1	BP
Electrolizing, Inc.	# 1	11	2/19/2015	C	3516		No	0.015	0.205	0.031	0.075	0.05	0.643	0.004	0.025					AMMONIA = .529, ARSENIC = .005	FP
Electrolizing, Inc.	# 1	11	11/4/2015	C	10472		No	0.015	0.174	0.02	0.075	0.05	0.679	0.006	0.025					AMMONIA = .354, ARSENIC = .005, Total Nitrogen = 22.549, TKN = .849, NO3+NO2 = 21.7	FP
G. Tanury Plating Company	# 1	11	1/15/2015	C	38971		No	0.015	0.075	0.726	0.123	0.398	0.146	0.025	0.025					TOTAL METAL-EPA = 1.345, AMMONIA = .1, ARSENIC = .005	FP
G. Tanury Plating Company	# 1	11	9/23/2015	C	13988		No	0.015	0.075	2.68	0.784	0.763	0.312	0.034	0.036					Total Nitrogen = 10.415, TOTAL METAL-EPA = 3.83, TKN = 9.48, NO3+NO2 = .935, AMMONIA = 3.25, ARSENIC = .005	FP
General Cable Industries, LLC	# 1	27	3/10/2015	C	4213		No	0.015	0.075	0.068	0.075	0.05	0.618		0.025	1538.05	38		4.917		BP
General Cable Industries, LLC	# 1	27	11/18/2015	C	3100		No	0.015	0.075	0.104	0.075	0.05	0.509		0.025	843.25	34		4	NO3+NO2 = 2.5, AMMONIA = .5, Total Nitrogen = 31.9, TKN = 31.9	BP
Godfrey & Wing, Inc.	# 1	27	4/8/2015	C	6859		No	0.015	0.075	0.02	0.075	0.05	0.06		0.025			0.086			BP
Godfrey & Wing, Inc.	# 1	27	12/3/2015	C	0		No	0.015	0.075	0.02	0.075	0.05	0.06		0.025			0.027		AMMONIA = .1, Total Nitrogen = 0, TKN = .5, NO3+NO2 = 2.5	BP

Table: 27 NBC Significant Industrial User Sample Results

User Name	Location	Cat. #	Sample Date	Type	Flow	Volume	CDF	Cd	Cr	Cu	Pb	Ni	Zn	Cn	Ag	BOD	TSS	TTO	Total O & G	Misc	District
Hillview Auto Body	# 1	97	4/10/2015	G			No					0.05			0.025					AMMONIA = .602, ARSENIC = .005	FP
Hillview Auto Body	# 1	97	10/7/2015	G			No					0.05			0.025					Total Nitrogen = 2.784, TKN = 2.57, NO3+NO2 = .214, ARSENIC = .005, AMMONIA = .1	FP
Hord Crystal Corporation	# 1	11	2/11/2015	G	0	300	No	0.015	0.075	0.029	0.075	0.05	0.411	0.066	0.025						BP
Hord Crystal Corporation	# 1	11	8/13/2015	G	0	300	No	0.015	0.075	0.508	0.075	0.05	0.119	0.008	0.025						BP
HP Services, Inc.	# 1	11	4/20/2015	G	0	200	No	0.015	0.075	0.02	0.075	0.05	0.06	0.004	0.025						BP
HP Services, Inc.	# 1	11	9/15/2015	G	0	250	No	0.015	0.075	0.06	0.075	0.05	0.06	0.008	0.025					Total Nitrogen = 1.5, TKN = 1.5, NO3+NO2 = .1, AMMONIA = .1	BP
Ideal Plating & Polishing Co., Inc.	# 1	11	2/5/2015	C	3516		No	0.015	0.081	0.316	0.075	0.299	0.322	0.007	0.025					ammonia = .1, Arsenic = .005	FP
Ideal Plating & Polishing Co., Inc.	# 1	11	9/15/2015	C	2693		No	0.015	0.152	0.544	0.075	0.452	0.162	0.164	0.025					ARSENIC = .005, Total Nitrogen = 0, TKN = .5, NO3+NO2 = .1, AMMONIA = .1	FP
Induplate LLC	# 1	11	1/13/2015	C	5286		No	0.015	0.075	0.058	0.075	0.05	0.311	0.004	0.025					ammonia = .1, ARSENIC = .005	FP
Induplate LLC	# 1	11	8/12/2015	C	29206		No	0.015	0.173	0.044	0.075	0.081	1.2	0.076	0.025					AMMONIA = .1, ARSENIC = .005	FP
International Chromium Plating	# 1	11	2/25/2015	C	2094		No	0.015	0.292	0.094	0.075	0.221	0.127	0.052	0.025					AMMONIA = .858, ARSENIC = .005	FP
International Chromium Plating	# 1	11	9/17/2015	C	2094		No	0.015	0.157	0.02	0.075	0.071	0.06	0.034	0.025					AMMONIA = .584, NO3+NO2 = 1.46, TKN = 1.26, Total Nitrogen = 2.72, ARSENIC = .005	FP
International Etching, Inc.	# 1	11	2/16/2015	C	3930		No	0.015	0.075	0.02	0.075	0.05	0.06	0.004	0.025					ammonia = .325, Arsenic = .005	FP
International Etching, Inc.	# 1	11	9/30/2015	C	5240		No	0.015	0.075	0.159	0.075	0.05	0.06	0.006	0.025					ARSENIC = .005, Total Nitrogen = 3.31, NO3+NO2 = .1, AMMONIA = .405, TKN = 3.31	FP
International Insignia Corporation	# 1	11	2/18/2015	C	4163		No	0.015	0.075	0.268	0.075	0.998	0.107	0.012	0.025					ARSENIC = .005, AMMONIA = 7.31	FP
International Insignia Corporation	# 1	11	12/16/2015	C	4088		No	0.015	0.075	0.29	0.075	0.668	0.078	0.011	0.025					Total Nitrogen = 20.3, TKN = 20.3, NO3+NO2 = 2.5, AMMONIA = 3.88, ARSENIC = .005	FP
Interplex Engineered Products, Inc.	# 1	11	3/18/2015	C	110000		No	0.015	0.075	0.02	0.075	0.191	0.06	0.015	0.025						BP
Interplex Engineered Products, Inc.	# 1	11	12/1/2015	C	59014		No	0.015	0.075	0.02	0.075	0.14	0.06	0.006	0.026					NO3+NO2 = 2.5, AMMONIA = 0	BP
Ira Green, Inc.	# 1	11	2/10/2015	C	13200		No	0.015	0.075	0.031	0.075	0.146	0.06	0.021	0.025					ammonia = .1, Arsenic = .005	FP
Ira Green, Inc.	# 1	11	8/20/2015	C	22000		No	0.015	0.075	0.033	0.075	0.136	0.06	0.013	0.025					AMMONIA = .1	FP
John H. Collins & Sons Company	# 1	27	3/12/2015	C	1234		No	0.015	0.075	0.023	0.075	0.05	0.197	0.012	0.037			0.35	48.14		BP
John H. Collins & Sons Company	# 1	27	12/2/2015	C	1361		No	0.015	0.075	0.043	0.075	0.05	0.404	0.02	0.025			0.044	4	AMMONIA = 28.3, Total Nitrogen = 33.4, TKN = 33.4, NO3+NO2 = 2.5	BP
JRB Associates Inc.	# 1	72	1/14/2015	C	6800		No	0.015	0.075	0.249	0.075	0.127	0.06	0.074	0.025					ARSENIC = .005, ammonia = .1	FP
JRB Associates Inc.	# 1	72	1/20/2015	C	1170		No	0.015	0.075	0.352	0.075	0.173	0.091	0.191	0.096					ammonia = .211, ARSENIC = .005	FP
Lincoln Manufacturing, Inc.	# 1	22	3/5/2015	G		900	No												369.1		BP
Lincoln Manufacturing, Inc.	# 1	22	8/26/2015	G		1200	No													Total Nitrogen = 13.34, AMMONIA = .1, Nitrate+Nitrite = 2.84, TKN = 10.5	BP
Lincoln Manufacturing, Inc.	# 1	22	9/15/2015	G		800	No												134.4	Total Nitrogen = 51.3, TKN = 39.8, AMMONIA = .737, NO3+NO2 = 11.5	BP
Liquid Blue	# 1	23	3/24/2015	G	0	1	No	0.015	0.075	0.32	0.075	0.05	0.06		0.025	254.86	14				BP
Liquid Blue	# 2	23	3/24/2015	G	0	0	No	0.015	0.075	0.114	0.075	0.05	0.06		0.025	216.78	10				BP
Liquid Blue	# 1	23	9/2/2015	G	0	0	No	0.015	0.075	0.02	0.075	0.05	0.094		0.025	613.04	54			AMMONIA = .1, Total Nitrogen = 4.458, TKN = 4.3, Nitrate+Nitrite = .158	BP
Liquid Blue	# 2	23	9/2/2015	G	0		No	0.015	0.075	0.539	0.075	0.05	0.174		0.025	413.01	42			TKN = 44.4, NO3+NO2 = 6.12, AMMONIA = .5, Total Nitrogen = 44.4	BP
Mahr Federal Inc.	# 1	11	3/12/2015	C	548		No	0.015	0.243	0.02	0.075	0.05	0.06	0.005	0.025			0.004	4	AMMONIA = .1, ARSENIC = .005	FP
Mahr Federal Inc.	# 1	11	12/7/2015	C	980		No	0.015	0.37	0.029	0.075	0.05	0.06	0.004	0.025			0.001	4	AMMONIA = .1, ARSENIC = .005, Total Nitrogen = 0, TKN = .5, NO3+NO2 = 2.5	FP
Materion Technical Materials, Inc.	# 1	11	1/21/2015	C	40230		No	0.015	0.075	0.024	0.075	0.05	0.06	0.013	0.025						BP

Table: 27 NBC Significant Industrial User Sample Results

User Name	Location	Cat. #	Sample Date	Type	Flow	Volume	CDF	Cd	Cr	Cu	Pb	Ni	Zn	Cn	Ag	BOD	TSS	TTO	Total O & G	Misc	District
Materion Technical Materials, Inc.	# 1	11	11/3/2015	C	42609		No	0.015	0.075	0.022	0.075	0.05	0.192	0.004	0.025					AMMONIA = 1.69, Total Nitrogen = 8.26, TKN = 8.26, NO3+NO2 = 2.5	BP
Metallurgical Solutions, Inc.	# 1	11	3/3/2015	G	0	1	No	0.015	0.541	0.155	0.075	0.49	0.062	0.062	0.025					AMMONIA = 1.15, ARSENIC = .017	FP
Metallurgical Solutions, Inc.	# 1	11	9/25/2015	G	0	0	No	0.015	0.72	0.552	0.075	0.742	0.326	0.007	0.025					AMMONIA = 2.5, ARSENIC = .007, Total Nitrogen = 902, TKN = 1.25, NO3+NO2 = 902	FP
Microfibres, Inc.	# 1	23	3/18/2015	C	28900		No	0.015	0.077	0.022	0.075	0.05	0.06		0.025	636	84		23.39		BP
Microfibres, Inc.	# 1	23	11/18/2015	C	63400	0	No	0.015	0.075	0.026	0.075	0.05	0.06		0.025	401.42	188		27.17	NO3+NO2 = 2.5, AMMONIA = 3.21, Total Nitrogen = 35, TKN = 35	BP
Monarch Metal Finishing Co. - Aurora St.	# 1	11	3/2/2015	C	1496		No	0.018	0.063	0.347										AMMONIA = 14.1, ARSENIC = .005	FP
Monarch Metal Finishing Co. - Aurora St.	# 1	11	10/1/2015	C	1122		No				0.063	0.111	0.31		0.018					ARSENIC = .005, Total Nitrogen = 19.372, TIN = 19.1, NO3+NO2 = .272, AMMONIA = 13.5	FP
Monarch Metal Finishing, Inc.	# 1	11	3/10/2015	C	16606		No	0.015	0.075		0.075				0.095					AMMONIA = 34.5, ARSENIC = .005	FP
Monarch Metal Finishing, Inc.	# 1	11	11/19/2015	C	0		No	0.015	0.075	0.344	0.075	0.416	0.195	0.101	0.025					Total Nitrogen = 50.66, TKN = 48.1, NO3+NO2 = 2.56, AMMONIA = 37.5, ARSENIC = .005	FP
Murdock Webbing Co., Inc.	# 1	23	2/18/2015	C	4862		No	0.015	0.075	0.034	0.075	0.05	0.068		0.025	1488.1	48		83.69		BP
Murdock Webbing Co., Inc.	# 1	23	10/21/2015	C	4637	0	No	0.015	0.075	0.029	0.075	0.05	0.06		0.025	623.5	634		51.7	Total Nitrogen = 85.6, TKN = 85.6, NO3+NO2 = 2.5, AMMONIA = 1.79	BP
Narragansett Jewelry	# 1	11	2/12/2015	C	870		No	0.015	0.075	0.035	0.075	0.05	0.06	0.004	0.025					AMMONIA = .1, ARSENIC = .005	FP
Narragansett Jewelry	# 1	11	11/17/2015	C	2320		No	0.015	0.075	0.045	0.075	0.05	0.06	0.004	0.025					TKN = .5, ARSENIC = .005, NO3+NO2 = 2.5, AMMONIA = .1	FP
New England Linen Supply, Inc.	# 1	25	1/6/2015	C	38036		No									1389.21	320		80.85		BP
New England Linen Supply, Inc.	# 1	25	10/6/2015	C	42591		No									1111.35	280		193.8	Total Nitrogen = 14.604, TKN = 13.8, NO3+NO2 = .804, AMMONIA = 1.48	BP
NGC INC.	# 1	81	5/20/2015	C	0	1	No									2971	224			AMMONIA = 18.7	FP
Ocean State Peeled Potatoes	# 1	81	3/26/2015	C	1364	0	No									1366.47	1616			AMMONIA = 3.58	FP
Pawtucket Power Associates	# 4	16	2/24/2015	C	3550		No			0.101	0.075		0.155		0.025						BP
Pawtucket Power Associates	# 1	16	5/11/2015	C			No	0.015	0.075	0.025	0.075	0.05	0.06		0.025				4		BP
Pawtucket Power Associates	# 4	16	5/11/2015	C	1420		No	0.015	0.075	0.075	0.075	0.05	0.14		0.025						BP
Pawtucket Power Associates	# 1	16	9/9/2015	C			No	0.015	0.075	0.02	0.075	0.05	0.06		0.025				4	AMMONIA = .1, Total Nitrogen = 5.182, TKN = 4.38, NO3+NO2 = .802	BP
Pawtucket Power Associates	# 4	16	9/9/2015	C	8900		No	0.015	0.075	0.035	0.075	0.05	0.06		0.025					Seasonal TKN = 2.25, Total Nitrogen = 3.073, TKN = 2.25, NO3+NO2 = .823, AMMONIA = .1	BP
Pilgrim Screw Corporation	# 1	11	3/5/2015	G		50	No	0.015	0.082	0.02		0.05	0.164	0.02	0.025				4	AMMONIA = 2.58, ARSENIC = .005	FP
Pilgrim Screw Corporation	# 1	11	9/9/2015	G			No	0.015	0.075	0.02	0.075	0.05	0.073	0.038	0.025				4	Total Nitrogen = 781.5, NO3+NO2 = 738, AMMONIA = 2.98, ARSENIC = .005	FP
Prov. Journal Co. - Production Facility	# 1	24	2/24/2015	C			No	0.015	0.075	0.03	0.075	0.05	0.23		0.025				7.09	AMMONIA = 1.72, ARSENIC = .005	FP
Prov. Journal Co. - Production Facility	# 1	24	10/22/2015	C			No	0.015	0.075	0.033	0.075	0.05	0.06		0.025				55.55	AMMONIA = 2.92, ARSENIC = .007, Total Nitrogen = 53.8, TKN = 53.8, NO3+NO2 = 2.5	FP
Providence Metallizing Company, Inc.	# 1	11	5/13/2015	C	25957		No	0.015	0.172	0.123	0.075	0.216	0.06	0.012	0.025						BP
Providence Metallizing Company, Inc.	# 1	11	12/1/2015	C	26930		No	0.015	0.278	0.187	0.075	0.203	0.06	0.004	0.025					Total Nitrogen = 0, TOTAL METAL-EPA = .728, TKN = .5, NO3+NO2 = 2.5, AMMONIA = .1	BP

Table: 27 NBC Significant Industrial User Sample Results

User Name	Location	Cat. #	Sample Date	Type	Flow	Volume	CDF	Cd	Cr	Cu	Pb	Ni	Zn	Cn	Ag	BOD	TSS	TTO	Total O & G	Misc	District
Providence Specialty Products	# 1	34	4/13/2015	G			No									1478.22	252		198.4	AMMONIA = .36	FP
Providence Specialty Products	# 2	34	4/15/2015	G	150		No									8231.7	344		57.61	AMMONIA = 9.17	FP
Providence Specialty Products	# 2	34	10/27/2015	C	793		No									17718	1050		53.25	Total Nitrogen = 327, TKN = 327, AMMONIA = 10.7, NO3+NO2 = 2.5	FP
Providence Specialty Products	# 1	34	10/28/2015	G		300	No									307.06	52		16.12	NO3+NO2 = 2.89, AMMONIA = .1, Total Nitrogen = 21.59, TKN = 18.7	FP
R. E. Sturdy Company, Inc.	# 1	11	4/23/2015	C	2095		No	0.015	0.075	0.774	0.075	0.437	0.177	0.193	0.196					ARSENIC = .005, AMMONIA = .1	FP
R. E. Sturdy Company, Inc.	# 1	11	11/9/2015	C	1346		No	0.015	0.075	1.29	0.075	0.985	0.202	0.245	0.289					Total Nitrogen = 20.7, TKN = 20.7, NO3+NO2 = 2.5, AMMONIA = 1.38, ARSENIC = .005	FP
Rhode Island Resource Recovery Corp.	# 3	34	1/29/2015	C	272238		No	0.015	0.197	0.02	0.075	0.076	0.06	0.021	0.025	865.98	20	0.434	7.316	MERCURY = .004, ARSENIC = .277, Off Season Total Nitrogen = 809.211, Off Season TKN = 809, Off Season Nitrate+Nitrite = .211, Off Season Ammonia = 724	FP
Rhode Island Resource Recovery Corp.	# 3	34	2/24/2015	C	256016		No	0.015	0.266	0.02	0.075	0.096	0.06	0.028	0.025	938.86	60	0.438	6.731	Off Season Ammonia = 926, ARSENIC = .339, Off Season Total Nitrogen = 980, Off Season TKN = 980, Off Season Nitrate+Nitrite = .1	FP
Rhode Island Resource Recovery Corp.	# 1	34	3/19/2015	C	194320		No	0.015	0.075	0.034	0.075	0.05	0.073	0.015	0.025	53.2	22	0.002	4	Arsenic = .033, Off Season Total Nitrogen = 142.5, Off Season TKN = 28.5, Off Season Nitrate+Nitrite = 114, Off Season Ammonia = 12.6, MERCURY = .007	FP
Rhode Island Resource Recovery Corp.	# 1	34	3/25/2015	C	140000		No									27.84	64			Off Season Total Nitrogen = 32.06, Off Season TKN = 30, Off Season Nitrate+Nitrite = 2.06, ARSENIC = .084, Off Season Ammonia = .263	FP
Rhode Island Resource Recovery Corp.	# 1	34	4/1/2015	C	283000		No									85.7	44			Seasonal Total Nitrogen = 31.394, Seasonal TKN = 30.4, Seasonal Nitrate+Nitrite = .994, ARSENIC = .096, Seasonal Ammonia = .1	FP
Rhode Island Resource Recovery Corp.	# 1	34	4/2/2015	C	320000		No									50.22	46			Seasonal Total Nitrogen = 31.1, Seasonal TKN = 31.1, Seasonal Nitrate+Nitrite = .1, ARSENIC = .102, Seasonal Ammonia = .1	FP
Rhode Island Resource Recovery Corp.	# 1	34	4/6/2015	C	0	1	No									83.52	122			Seasonal Nitrate+Nitrite = .447, Seasonal Ammonia = .393, ARSENIC = .128, Seasonal Total Nitrogen = 35.547, Seasonal TKN = 35.1	FP
Rhode Island Resource Recovery Corp.	# 1	34	4/7/2015	C	412000		No									128.07	158			Seasonal Total Nitrogen = 38.7, Seasonal TKN = 38.7, Seasonal Nitrate+Nitrite = .1, ARSENIC = .151, Seasonal Ammonia = .1	FP
Rhode Island Resource Recovery Corp.	# 1	34	4/14/2015	C	348000		No									209.3	118			Off Season Total Nitrogen = 33.7, Off Season TKN = 32.4, Arsenic = .134, Off Season Ammonia = .9, Off Season Nitrate+Nitrite = 1.3	FP
Rhode Island Resource Recovery Corp.	# 1	34	4/15/2015	C	340000		No									40.04	120			Off Season Total Nitrogen = 34.47, Off Season TKN = 33.6, Arsenic = .136, Off Season Ammonia = .912, Off Season Nitrate+Nitrite = .867	FP
Rhode Island Resource Recovery Corp.	# 1	34	4/20/2015	C			No									32.32	312			Off Season Total Nitrogen = 36.768, Off Season TKN = 35.8, Off Season Nitrate+Nitrite = .968, ARSENIC = .174, Off Season Ammonia = .59	FP

Table: 27 NBC Significant Industrial User Sample Results

User Name	Location	Cat. #	Sample Date	Type	Flow	Volume	CDF	Cd	Cr	Cu	Pb	Ni	Zn	Cn	Ag	BOD	TSS	TTO	Total O & G	Misc	District
Rhode Island Resource Recovery Corp.	# 1	34	4/21/2015	C	363000		No									77.08	150			Off Season Total Nitrogen = 40.135, Off Season TKN = 39.6, Off Season Nitrate+Nitrite = .535, ARSENIC = .162, Off Season Ammonia = .969	FP
Rhode Island Resource Recovery Corp.	# 4	34	4/21/2015	G			No										202			Off Season Total Nitrogen = 43.86, Off Season Ammonia = .615, Off Season Nitrate+Nitrite = 7.96, Off Season TKN = 35.9	FP
Rhode Island Resource Recovery Corp.	# 4	34	4/21/2015	G			No										243.33			Off Season Total Nitrogen = 43.14, Off Season TKN = 36.2, Off Season Nitrate+Nitrite = 6.94, Off Season Ammonia = .506	FP
Rhode Island Resource Recovery Corp.	# 4	34	4/21/2015	G			No										223.33			Off Season Total Nitrogen = 48.19, Off Season Ammonia = .48, Off Season Nitrate+Nitrite = 6.59, Off Season TKN = 41.6	FP
Rhode Island Resource Recovery Corp.	# 4	34	4/21/2015	G			No										4820			Off Season Total Nitrogen = 417.24, Off Season Ammonia = .459, Off Season Nitrate+Nitrite = 5.24, Off Season TKN = 412	FP
Rhode Island Resource Recovery Corp.	# 4	34	4/21/2015	G			No										5420			Off Season Total Nitrogen = 239.3, Off Season Ammonia = .422, Off Season Nitrate+Nitrite = 5.3, Off Season TKN = 234	FP
Rhode Island Resource Recovery Corp.	# 1	34	4/27/2015	C	376000		No									102.3	180			Off Season Total Nitrogen = 39.62, Off Season TKN = 38.6, Off Season Nitrate+Nitrite = 1.02, ARSENIC = .154, Off Season Ammonia = .704	FP
Rhode Island Resource Recovery Corp.	# 1	34	4/28/2015	C	314000		No	0.015	0.112	0.052	0.075	0.054	0.06	0.026	0.025	72.37	120	0.004		Off Season Ammonia = .799, MERCURY = .001, ARSENIC = .149, Off Season Total Nitrogen = 39.136, Off Season TKN = 39, Off Season Nitrate+Nitrite = .136	FP
Rhode Island Resource Recovery Corp.	# 1	34	5/4/2015	C	336000		No									48.52	120			Seasonal Total Nitrogen = 37.244, Seasonal TKN = 37.1, Seasonal Nitrate+Nitrite = .144, ARSENIC = .164, Seasonal Ammonia = .518	FP
Rhode Island Resource Recovery Corp.	# 1	34	5/5/2015	C	330000		No									42.8	122			Seasonal Total Nitrogen = 37.763, Seasonal TKN = 37.6, Seasonal Nitrate+Nitrite = .163, ARSENIC = .158, Seasonal Ammonia = .296	FP
Rhode Island Resource Recovery Corp.	# 1	34	5/11/2015	C	295000		No									51.16	164			Seasonal Total Nitrogen = 49.65, Seasonal TKN = 45.3, Seasonal Nitrate+Nitrite = 4.35, ARSENIC = .217, Seasonal Ammonia = 2.07	FP
Rhode Island Resource Recovery Corp.	# 4	34	5/11/2015	C	0	1	No													Seasonal Ammonia = .1	FP
Rhode Island Resource Recovery Corp.	# 1	34	5/12/2015	C	222000		No									46.2	200			Seasonal TKN = 48.2, Seasonal Nitrate+Nitrite = 1.31, Seasonal Ammonia = .414, Seasonal Total Nitrogen = 49.51, ARSENIC = .221	FP
Rhode Island Resource Recovery Corp.	# 4	34	5/13/2015	C	0	1	No													Seasonal Ammonia = .264	FP
Rhode Island Resource Recovery Corp.	# 1	34	5/18/2015	C	288000		No									59.92	118			Seasonal Total Nitrogen = 45.52, Seasonal TKN = 42.5, Seasonal Nitrate+Nitrite = 3.02, ARSENIC = .218, Seasonal Ammonia = .928	FP
Rhode Island Resource Recovery Corp.	# 4	34	5/18/2015	C	0	1	No													Seasonal Ammonia = .1	FP

Table: 27 NBC Significant Industrial User Sample Results

User Name	Location	Cat. #	Sample Date	Type	Flow	Volume	CDF	Cd	Cr	Cu	Pb	Ni	Zn	Cn	Ag	BOD	TSS	TTO	Total O & G	Misc	District
Rhode Island Resource Recovery Corp.	# 1	34	5/19/2015	C	249000		No	0.015	0.137	0.02	0.075	0.067	0.06	0.039	0.025	22.52	84	0.005		Seasonal Total Nitrogen = 53.14, ARSENIC = .207, Seasonal Nitrate+Nitrite = 4.54, Seasonal Ammonia = .646, MERCURY = .005, Seasonal TKN = 48.6	FP
Rhode Island Resource Recovery Corp.	# 1	34	5/28/2015	C	229000		No									31.12	112			Seasonal Total Nitrogen = 46.155, Seasonal TKN = 46, Seasonal Nitrate+Nitrite = .155, ARSENIC = .255, Seasonal Ammonia = .406	FP
Rhode Island Resource Recovery Corp.	# 4	34	5/29/2015	G		0	No													AMMONIA = .1	FP
Rhode Island Resource Recovery Corp.	# 1	34	6/3/2015	C	248000		No									79.1	212			Seasonal Total Nitrogen = 44.41, Seasonal TKN = 44.3, Seasonal Nitrate+Nitrite = .11, ARSENIC = .294, Seasonal Ammonia = .456	FP
Rhode Island Resource Recovery Corp.	# 4	34	6/3/2015	C	0	1	No													Seasonal Ammonia = .1	FP
Rhode Island Resource Recovery Corp.	# 1	34	6/9/2015	C	218000		No									61.8	166			Seasonal Total Nitrogen = 72.3, Seasonal TKN = 46.9, Seasonal Nitrate+Nitrite = 25.4, ARSENIC = .306, Seasonal Ammonia = .495	FP
Rhode Island Resource Recovery Corp.	# 4	34	6/10/2015	C	0	1	No													Seasonal Ammonia = .5	FP
Rhode Island Resource Recovery Corp.	# 1	34	6/17/2015	C	224000		No									53.52	136			Seasonal Total Nitrogen = 49.82, Seasonal TKN = 40.4, Arsenic = .258, Seasonal Ammonia = .364, Seasonal Nitrate+Nitrite = 9.42	FP
Rhode Island Resource Recovery Corp.	# 1	34	6/25/2015	C	247000		No									45.98	78			Seasonal Total Nitrogen = 48.72, Seasonal TKN = 40.9, Seasonal Nitrate+Nitrite = 7.82, ARSENIC = .234, Seasonal Ammonia = .395	FP
Rhode Island Resource Recovery Corp.	# 1	34	6/30/2015	C	280000		No	0.015	0.214	0.02	0.075	0.125	0.06	0.032	0.025	5.31	46	0.002		Seasonal Total Nitrogen = 45.17, ARSENIC = .223, Seasonal Nitrate+Nitrite = 4.07, Seasonal Ammonia = .922, MERCURY = .001, Seasonal TKN = 41.1	FP
Rhode Island Resource Recovery Corp.	# 4	34	6/30/2015	G	0	1	No										522			Total Nitrogen = 76.2, AMMONIA = 1.12, NO3+NO2 = 34.3, TKN = 41.9	FP
Rhode Island Resource Recovery Corp.	# 1	34	7/8/2015	C	269000		No									10.85	128			Seasonal Total Nitrogen = 37.517, Seasonal TKN = 37.4, Seasonal Nitrate+Nitrite = .117, ARSENIC = .241, Seasonal Ammonia = .1	FP
Rhode Island Resource Recovery Corp.	# 1	34	7/13/2015	C	287000		No									38.26	166			Seasonal Total Nitrogen = 37.441, Seasonal TKN = 37.3, Seasonal Nitrate+Nitrite = .141, ARSENIC = .246, Seasonal Ammonia = .495	FP
Rhode Island Resource Recovery Corp.	# 1	34	7/21/2015	C	259000		No									30.04	92			Seasonal Total Nitrogen = 42.76, Seasonal TKN = 40.1, Seasonal Nitrate+Nitrite = 2.66, ARSENIC = .268, Seasonal Ammonia = .36	FP
Rhode Island Resource Recovery Corp.	# 4	34	7/22/2015	C	0	1	No													AMMONIA = .212	FP
Rhode Island Resource Recovery Corp.	# 1	34	7/28/2015	C	223000		No	0.015	0.189	0.02	0.075	0.077	0.06	0.031	0.025	67.46	64	0.05		Seasonal Nitrate+Nitrite = 3.06, Seasonal TKN = 42.8, MERCURY = .001, ARSENIC = .277, Seasonal Total Nitrogen = 45.86, Seasonal Ammonia = .566	FP

Table: 27 NBC Significant Industrial User Sample Results

User Name	Location	Cat. #	Sample Date	Type	Flow	Volume	CDF	Cd	Cr	Cu	Pb	Ni	Zn	Cn	Ag	BOD	TSS	TTO	Total O & G	Misc	District
Rhode Island Resource Recovery Corp.	# 1	34	8/3/2015	C	201000		No									31.34	78			Seasonal Total Nitrogen = 44.4, Seasonal TKN = 44.4, Seasonal Nitrate+Nitrite = .1, ARSENIC = .303, Seasonal Ammonia = 1.18	FP
Rhode Island Resource Recovery Corp.	# 4	34	8/3/2015	C	0	1	No													AMMONIA = 4.08	FP
Rhode Island Resource Recovery Corp.	# 1	34	8/17/2015	C	223000		No									38	86			Seasonal Total Nitrogen = 49.01, Seasonal TKN = 44.7, Seasonal Nitrate+Nitrite = 4.31, ARSENIC = .302, Seasonal Ammonia = .476	FP
Rhode Island Resource Recovery Corp.	# 1	34	8/25/2015	C	187000		No	0.015	0.224	0.02	0.075	0.086	0.06	0.033	0.025	44.02	154	0.02		MERCURY = .001, Seasonal Nitrate+Nitrite = .39, Seasonal Ammonia = .615, Seasonal Total Nitrogen = 51.39, Seasonal TKN = 51, ARSENIC = .373	FP
Rhode Island Resource Recovery Corp.	# 1	34	9/29/2015	C	132000		No	0.015	0.245	0.02	0.075	0.091	0.06	0.03	0.025	47.12	206.67	0.001	4	MERCURY = .002, ARSENIC = .34, Seasonal Total Nitrogen = 55.757, Seasonal TKN = 55.4, Seasonal Nitrate+Nitrite = .357, Seasonal Ammonia = 1.47	FP
Rhode Island Resource Recovery Corp.	# 1	34	10/27/2015	C	160000		No	0.015	0.266	0.02	0.075	0.093	0.06	0.035	0.025	41.1	192	0.1	4	Seasonal Total Nitrogen = 46.289, ARSENIC = .352, Seasonal Nitrate+Nitrite = .289, Seasonal Ammonia = .327, MERCURY = .001, Seasonal TKN = 46	FP
Rhode Island Resource Recovery Corp.	# 1	34	11/17/2015	C	172000		No	0.015	0.18	0.02	0.075	0.072	0.06	0.029	0.025	0	134	0.1	4	Off Season Ammonia = 1.06, MERCURY = .001, ARSENIC = .268, Off Season Total Nitrogen = 40.72, Off Season TKN = 38.8, Off Season Nitrate+Nitrite = 1.92	FP
Rhode Island Resource Recovery Corp.	# 4	34	11/17/2015	G	0	1	No													Off Season Total Nitrogen = 48.27, Off Season Ammonia = .308, Off Season Nitrate+Nitrite = 9.77, Off Season TKN = 38.5	FP
Rhode Island Resource Recovery Corp.	# 1	34	12/15/2015	C	254000		No	0.015	0.185	0.02	0.075	0.079	0.06	0.03	0.025	49.8	164	0.1	4	Off Season Total Nitrogen = 43.81, ARSENIC = .29, Off Season Nitrate+Nitrite = 1.71, Off Season Ammonia = .437, MERCURY = .002, Off Season TKN = 42.1	FP
Rhode Island Resource Recovery Corp.	# 4	34	12/15/2015	G	0	1	No													Off Season Total Nitrogen = 64.5, Off Season Ammonia = .362, Off Season Nitrate+Nitrite = 12.4, Off Season TKN = 52.1	FP
Stackbin Corporation	# 1	11	4/6/2015	G	0	1	No	0.015	0.075	0.07	0.075	0.05	0.173	0.051	0.025						BP
Stackbin Corporation	# 2	11	4/6/2015	G	0	1	No	0.015	0.075	0.02	0.075	0.05	0.06	0.223	0.025						BP
Stackbin Corporation	# 1	11	10/14/2015	G	0	1150	No	0.015	0.075	0.02	0.075	0.05	0.06	0.008	0.025				18.13	AMMONIA = 3.25, Total Nitrogen = 12.77, TKN = 5.5, NO3+NO2 = 7.27	BP
Stackbin Corporation	# 2	11	10/14/2015	G	0	1	No	0.015	0.075	0.034	0.075	0.05	0.07	0.005	0.025					AMMONIA = .1, Total Nitrogen = 6.85, TKN = 6.85, NO3+NO2 = .1	BP
Summit Manufacturing Corporation	# 1	11	1/26/2015	C	10921		No	0.015	0.771	1.03	0.075	0.288	0.06	0.004	0.025						BP
Summit Manufacturing Corporation	# 1	11	9/15/2015	C	12118		No	0.015	1.21	0.556	0.075	0.084	0.06	0.011	0.025					Total Nitrogen = 11.44, TKN = .944, NO3+NO2 = 10.5, AMMONIA = .342	BP
Surface Coatings Division, MFB LLC	# 1	11	3/18/2015	C	5760		No	0.015	0.075	0.204	0.075	0.344	0.629	0.185	0.025					AMMONIA = 1.35	FP
Surface Coatings Division, MFB LLC	# 1	11	12/8/2015	C	4039		No	0.015	0.075	0.156	0.075	0.854	0.331	0.006	0.025					ARSENIC = .005, AMMONIA = .575, Total Nitrogen = 1.03, TKN = 1.03, NO3+NO2 = 2.5	FP
Tanury Industries	# 1	11	4/8/2015	C	31800		No	0.015	0.379	0.476	0.075	1.53	0.06	0.016	0.034						BP
Tanury Industries	# 1	11	10/8/2015	C	28724		No	0.015	0.394	0.355	0.075	0.511	0.06	0.052	0.025					AMMONIA = 2.4, NO3+NO2 = .559, Total Nitrogen = 5.529, TKN = 4.97	BP

Table: 27 NBC Significant Industrial User Sample Results

User Name	Location	Cat. #	Sample Date	Type	Flow	Volume	CDF	Cd	Cr	Cu	Pb	Ni	Zn	Cn	Ag	BOD	TSS	TTO	Total O & G	Misc	District
Tanury Industries PVD, Inc.	# 1	11	1/21/2015	G	0		No	0.015	1.6		0.176		1.16	0.053							BP
Tanury Industries PVD, Inc.	# 1	11	7/21/2015	G	0		No	0.015	0.855		0.075	1.57	1.37	0.04	0.083						BP
Tanury Industries PVD, Inc.	# 1	11	12/15/2015	G	0	1	No	0	0	0	0	0	0	0	0					AMMONIA = 0, Total Nitrogen = 0, TKN = 0, NO3+NO2 = 2.86	BP
Technodic, Inc.	# 1	11	3/10/2015	C	2917		No	0.015	1.57	0.308	0.08	0.128	0.251	0.022	0.025					AMMONIA = 1.27, ARSENIC = .005	FP
Technodic, Inc.	# 1	11	11/23/2015	C	299		No	0.015	0.758	0.073	0.075	0.05	0.06	0.044	0.025					ARSENIC = .005, Total Nitrogen = 9.213, TKN = .763, NO3+NO2 = 8.45, AMMONIA = .294	FP
Tedor Pharma Inc.	# 1	14	1/23/2015	G	3230		No	0.015	0.075	0.197	0.075	0.05	0.151		0.025	229.67	60	0.134	4.5	METHYLENE CHLORIDE = .005, ISOPROPYL ACETATE = .01, ETHYL ACETATE = .01, N-AMYL ACETATE = .01, ACETONE = .025	BP
Tedor Pharma Inc.	# 1	14	7/9/2015	G		1991	No		0.075		0.075	0.05			0.025						BP
Teknicote, Inc.	# 1	11	4/30/2015	G		200	No	0.015	0.146	0.05	0.075	0.097	7.51	0.06	0.025						BP
Teknicote, Inc.	# 1	11	7/21/2015	G		200	No	0.015	0.075	0.02	0.075	0.05	0.303	0.041	0.025						BP
The Okonite Company	# 1	27	12/16/2015	C	48502		No	0.015	0.075	0.103	0.075	0.05	0.083		0.025				4	Total Nitrogen = .815, TKN = .815, NO3+NO2 = 2.5, AMMONIA = .1	BP
The Okonite Company	# 1	27	12/21/2015	C	99925		No	0.015	0.075	0.054	0.075	0.05	0.06		0.025				4	AMMONIA = .1, Total Nitrogen = .621, TKN = .621, NO3+NO2 = 2.5	BP
Tiffany and Company	# 1	15	2/11/2015	C			No	0.015	0.075	0.032	0.075	0.05	0.06	0.005	0.025						BP
Tiffany and Company	# 1	15	11/4/2015	C			No	0.015	0.075	0.219	0.075	0.05	0.06	0.004	0.258					Total Nitrogen = 9.23, TKN = 9.23, AMMONIA = .391, NO3+NO2 = 2.5	BP
Tri-Jay Company	# 1	11	1/12/2015	C	9874		No	0.015	0.113	0.992	0.075	0.126	0.333	0.026	0.039					ammonia = .886, ARSENIC = .005	FP
Tri-Jay Company	# 1	11	7/30/2015	C	8527		No			1.05		0.152	0.423							AMMONIA = 1.23, ARSENIC = .005	FP
Truex, Inc.	# 1	11	2/25/2015	C	3590		No	0.015	0.075	0.114	0.075	0.05	0.237	0.004	0.025				4		BP
Truex, Inc.	# 1	11	10/7/2015	C	2842		No	0.015	0.075	0.99	0.075	0.05	0.422	0.006	0.025				4	Total Nitrogen = 3.142, TKN = 2.78, NO3+NO2 = .362, AMMONIA = .1	BP
Umicore USA, Incorporated	# 1	22	3/18/2015	G		6000	No	0.015	0.075	0.02	0.075	0.05	0.06		0.025					AMMONIA = 10800, ARSENIC = .014	FP
Umicore USA, Incorporated	# 2	22	3/18/2015	G		1500	No	0.015	0.075	0.02	0.075	0.05	0.06		0.025					AMMONIA = 628, ARSENIC = .005	FP
Umicore USA, Incorporated	# 1	22	12/15/2015	G		6000	No	0.015	0.075	0.02	0.075	0.05	0.06		0.025					Total Nitrogen = 33500, TKN = 33500, NO3+NO2 = 2.5, AMMONIA = 12400, ARSENIC = .017	FP
Umicore USA, Incorporated	# 2	22	12/15/2015	G		1500	No	0.015	0.075	0.023	0.075	0.05	0.06		0.025					Total Nitrogen = 2670, TKN = 2670, NO3+NO2 = 2.5, AMMONIA = 2840, ARSENIC = .005	FP
Umicore USA, Incorporated	# 3	22	12/15/2015	G		3000	No	0.015	0.075	0.02	0.075	0.05	0.06		0.025					Total Nitrogen = 275.41, TKN = 271, NO3+NO2 = 4.41, AMMONIA = 254, ARSENIC = .005	FP
Unique Plating Company	# 1	11	2/12/2015	C	1795		No	0.015	0.075	0.157	0.075	0.306	0.06	0.108	0.025					Arsenic = .005, ammonia = .309	FP
Unique Plating Company	# 1	11	9/22/2015	C	3441		No	0.015	0.075	1.6	0.075	1.77	0.06	0.134	0.029					Total Nitrogen = 2.735, TKN = 2.27, NO3+NO2 = .465, AMMONIA = .861, ARSENIC = .005	FP
Unique Plating Company	# 1	11	12/18/2015	C	2020		No	0.015	0.075	0.857	0.075	2.1	0.121	0.09	0.025					Total Nitrogen = .5, TKN = .5, NO3+NO2 = 2.5, AMMONIA = .1, ARSENIC = .005	FP
Univar USA, Inc.	# 1	22	3/19/2015	C		7800	No	0.015	0.075	0.059	0.075	0.147	0.496	0.017	0.025			0.052		T.RES.CHLORINE = .006, AMMONIA = 23.5, ARSENIC = .005	FP
Univar USA, Inc.	# 1	22	9/23/2015	C			No	0.026	0.079	0.021	0.075	0.063	0.327	0.016	0.025			0.031		ARSENIC = .005, Total Nitrogen = 66.14, TKN = 3.24, NO3+NO2 = 62.9, AMMONIA = 1.36	FP
Universal Plating Company, Inc.	# 1	11	2/17/2015	C	1496		No	0.015	0.075	0.053	0.075	0.05	0.06	0.01	0.025					ARSENIC = .005, AMMONIA = .1	FP
Universal Plating Company, Inc.	# 1	11	10/6/2015	C	1122		No	0.015	0.075	0.029	0.075	0.05	0.06	0.011	0.025					NO3+NO2 = .1, AMMONIA = .1, Total Nitrogen = 0, TKN = .5, ARSENIC = .005	FP

Table: 27 NBC Significant Industrial User Sample Results

Septage Monitoring Data - 2015

Results in ppm

Sample No.	DATE	Cd	Cd MDL	Cr	Cr MDL	Cu	Cu MDL	Pb	Pb MDL	Ni	Ni MDL	Ag	Ag MDL	Zn	Zn MDL
BA89312	1/6/2015	0.019	0.015	0.095	0.075	6.280	0.020	1.240	0.075	0.178	0.050	0.040	0.040	10.100	0.060
BA89313	1/7/2015	0.015	0.015	0.075	0.075	1.020	0.020	0.094	0.075	0.056	0.050	0.040	0.040	2.060	0.060
BA89314	1/8/2015	0.015	0.015	0.075	0.075	0.384	0.020	0.075	0.075	0.050	0.050	0.040	0.040	0.842	0.060
BA89977	1/12/2015	0.020	0.015	0.216	0.075	11.800	0.020	0.602	0.075	0.630	0.050	0.040	0.040	16.100	0.060
BA89978	1/13/2015	0.025	0.015	0.290	0.075	10.200	0.020	0.408	0.075	0.215	0.050	0.040	0.040	12.300	0.060
BA89979	1/14/2015	0.042	0.015	0.228	0.075	15.000	0.020	0.778	0.075	0.217	0.050	0.213	0.040	15.900	0.060
BA90656	1/20/2015	0.032	0.015	0.253	0.075	22.100	0.020	0.881	0.075	0.384	0.050	0.041	0.040	28.300	0.060
BA90657	1/21/2015	0.027	0.015	0.223	0.075	15.400	0.020	1.840	0.075	0.290	0.050	0.040	0.040	26.600	0.060
BA90658	1/22/2015	0.025	0.015	0.206	0.075	18.400	0.020	0.641	0.075	0.417	0.050	0.040	0.040	23.400	0.060
BA90659	1/23/2015	0.034	0.015	0.523	0.075	17.700	0.020	1.320	0.075	0.468	0.050	0.048	0.040	29.750	0.060
BA91253	1/29/2015	0.015	0.015	0.143	0.075	2.980	0.020	0.374	0.075	0.130	0.050	0.040	0.040	7.970	0.060
BA91254	1/30/2015	0.015	0.015	0.100	0.075	2.020	0.020	0.230	0.075	0.090	0.050	0.040	0.040	5.320	0.060
BA91927	2/3/2015	0.015	0.015	0.104	0.075	1.710	0.020	0.135	0.075	0.095	0.050	0.040	0.040	5.270	0.060
BA91928	2/4/2015	0.015	0.015	0.118	0.075	20.700	0.020	0.275	0.075	0.169	0.050	0.040	0.040	12.300	0.060
BA91929	2/6/2015	0.015	0.015	0.075	0.075	2.880	0.020	0.082	0.075	0.093	0.050	0.040	0.040	5.050	0.060
BA92672	2/11/2015	0.015	0.015	0.075	0.075	0.905	0.020	0.075	0.075	0.066	0.050	0.040	0.040	1.160	0.060
BA92673	2/12/2015	0.015	0.015	0.079	0.075	2.960	0.020	0.487	0.075	0.215	0.050	0.040	0.040	8.120	0.060
BA92674	2/13/2015	0.015	0.015	0.111	0.075	3.260	0.020	1.030	0.075	0.240	0.050	0.040	0.040	8.640	0.060
BA93335	2/16/2015	0.015	0.015	0.075	0.075	0.427	0.020	0.075	0.075	0.050	0.050	0.040	0.040	0.444	0.060
BA93336	2/17/2015	0.015	0.015	0.075	0.075	2.380	0.020	0.106	0.075	0.116	0.050	0.040	0.040	3.420	0.060
BA93337	2/18/2015	0.015	0.015	0.075	0.075	1.790	0.020	0.075	0.075	0.064	0.050	0.040	0.040	3.790	0.060
BA93870	2/25/2015	0.015	0.015	0.075	0.075	4.290	0.020	0.257	0.075	0.180	0.050	0.040	0.040	6.680	0.060
BA93871	2/26/2015	0.066	0.015	0.693	0.075	21.100	0.020	1.750	0.075	0.728	0.050	0.080	0.040	42.100	0.060
BA93872	2/27/2015	0.016	0.015	0.220	0.075	7.600	0.020	0.671	0.075	0.243	0.050	0.040	0.040	13.200	0.060
BA94625	3/2/2015	0.024	0.015	0.136	0.075	3.280	0.020	0.258	0.075	0.196	0.050	0.040	0.040	8.870	0.060
BA94624	3/3/2015	0.038	0.015	0.214	0.075	14.000	0.020	1.140	0.075	0.320	0.050	0.040	0.040	20.900	0.060
BA94623	3/5/2015	0.015	0.015	0.308	0.075	10.100	0.020	0.878	0.075	0.328	0.050	0.040	0.040	15.400	0.060
BA95284	3/9/2015	0.015	0.015	0.120	0.075	24.500	0.020	0.414	0.075	1.130	0.050	0.040	0.040	23.000	0.060
BA95285	3/10/2015	0.015	0.015	0.075	0.075	2.950	0.020	0.075	0.075	0.151	0.050	0.040	0.040	2.220	0.060
BA95286	3/11/2015	0.015	0.015	0.075	0.075	5.200	0.020	0.202	0.075	0.187	0.050	0.040	0.040	7.380	0.060
BA95968	3/16/2015	0.031	0.015	0.143	0.075	7.550	0.020	0.901	0.075	0.298	0.050	0.040	0.040	15.700	0.060
BA95969	3/17/2015	0.081	0.015	0.248	0.075	5.460	0.020	0.449	0.075	0.449	0.050	0.040	0.040	19.000	0.060
BA95970	3/18/2015	0.015	0.015	0.075	0.075	1.290	0.020	0.075	0.075	0.050	0.050	0.040	0.040	1.910	0.060
BA96633	3/26/2015	0.015	0.015	0.075	0.075	0.907	0.020	0.075	0.075	0.050	0.050	0.040	0.040	1.780	0.060
BA96632	3/27/2015	0.015	0.015	0.075	0.075	1.410	0.020	0.075	0.075	0.080	0.050	0.040	0.040	2.070	0.060

All values that were at or below the detection limit were reported at the detection limit

Septage Monitoring Data - 2015

Results in ppm

Sample No.	DATE	Cd	Cd MDL	Cr	Cr MDL	Cu	Cu MDL	Pb	Pb MDL	Ni	Ni MDL	Ag	Ag MDL	Zn	Zn MDL
BA96631	3/28/2015	0.015	0.015	0.143	0.075	4.370	0.020	0.584	0.075	0.227	0.050	0.040	0.040	8.820	0.060
BA97208	4/1/2015	0.015	0.015	0.075	0.075	1.150	0.020	0.094	0.075	0.058	0.050	0.040	0.040	2.780	0.060
BA97209	4/3/2015	0.015	0.015	0.075	0.075	2.600	0.020	0.075	0.075	0.050	0.050	0.040	0.040	1.950	0.060
BA97210	4/4/2015	0.015	0.015	0.075	0.075	4.410	0.020	0.075	0.075	0.225	0.050	0.040	0.040	4.120	0.060
BA97963	4/9/2015	0.027	0.015	0.190	0.075	7.050	0.020	0.698	0.075	0.215	0.050	0.040	0.040	17.300	0.060
BA97964	4/10/2015	0.018	0.015	0.184	0.075	5.680	0.020	0.690	0.075	0.146	0.050	0.044	0.040	11.000	0.060
BA97965	4/11/2015	0.016	0.015	0.291	0.075	4.920	0.020	0.458	0.075	0.280	0.050	0.040	0.040	16.200	0.060
BA98607	4/15/2015	0.016	0.015	0.119	0.075	13.000	0.020	0.587	0.075	0.260	0.050	0.040	0.040	13.900	0.060
BA98606	4/16/2015	0.015	0.015	0.118	0.075	12.300	0.020	0.335	0.075	0.157	0.050	0.040	0.040	11.100	0.060
BA98605	4/18/2015	0.015	0.015	0.077	0.075	7.430	0.020	0.575	0.075	0.205	0.050	0.040	0.040	13.100	0.060
BA99502	4/23/2015	0.015	0.015	0.077	0.075	8.200	0.020	0.292	0.075	0.189	0.050	0.040	0.040	11.200	0.060
BA99501	4/24/2015	0.015	0.015	0.075	0.075	0.475	0.020	0.075	0.075	0.050	0.050	0.040	0.040	1.040	0.060
BA99500	4/25/2015	0.050	0.015	0.118	0.075	5.260	0.020	0.336	0.075	0.180	0.050	0.040	0.040	18.500	0.060
BB00258	4/30/2015	0.015	0.015	0.075	0.075	0.668	0.020	0.075	0.075	0.050	0.050	0.040	0.040	1.880	0.060
BB00257	5/1/2015	0.035	0.015	0.345	0.075	10.300	0.020	0.724	0.075	0.278	0.050	0.071	0.040	24.600	0.060
BB00256	5/2/2015	0.015	0.015	0.075	0.075	2.630	0.020	0.150	0.075	0.090	0.050	0.040	0.040	7.850	0.060
BB01104	5/7/2015	0.015	0.015	0.075	0.075	0.583	0.020	0.075	0.075	0.050	0.050	0.040	0.040	3.130	0.060
BB01105	5/8/2015	0.015	0.015	0.075	0.075	1.710	0.020	0.131	0.075	0.054	0.050	0.040	0.040	5.710	0.060
BB01106	5/9/2015	0.015	0.015	0.075	0.075	1.060	0.020	0.085	0.075	0.055	0.050	0.040	0.040	3.010	0.060
BB01648	5/14/2015	0.031	0.015	0.157	0.075	12.400	0.020	1.040	0.075	0.574	0.050	0.058	0.040	19.000	0.060
BB01647	5/15/2015	0.015	0.015	0.075	0.075	3.920	0.020	0.190	0.075	0.725	0.050	0.040	0.040	7.630	0.060
BB01646	5/16/2015	0.015	0.015	0.075	0.075	2.260	0.020	0.147	0.075	0.504	0.050	0.040	0.040	5.260	0.060
BB02232	5/21/2015	0.015	0.015	0.096	0.075	3.480	0.020	0.205	0.075	0.120	0.050	0.040	0.040	6.440	0.060
BB02233	5/22/2015	0.018	0.015	0.174	0.075	8.930	0.020	0.977	0.075	0.186	0.050	0.040	0.040	14.200	0.060
BB02234	5/23/2015	0.015	0.015	0.129	0.075	4.200	0.020	0.231	0.075	0.125	0.050	0.040	0.040	11.200	0.060
BB03472	5/28/2015	0.015	0.015	0.075	0.075	2.790	0.020	0.138	0.075	0.055	0.050	0.040	0.040	4.850	0.060
BB03471	5/29/2015	0.015	0.015	0.148	0.075	5.390	0.020	0.400	0.075	0.151	0.050	0.040	0.040	13.200	0.060
BB03470	5/30/2015	0.016	0.015	0.120	0.075	6.620	0.020	0.353	0.075	0.164	0.050	0.040	0.040	14.000	0.060
BB03651	6/4/2015	0.015	0.015	0.075	0.075	3.380	0.020	0.081	0.075	0.050	0.050	0.040	0.040	6.210	0.060
BB03652	6/5/2015	0.035	0.015	0.277	0.075	10.800	0.020	0.405	0.075	0.267	0.050	0.040	0.040	30.600	0.060
BB03653	6/6/2015	0.023	0.015	0.218	0.075	10.900	0.020	0.337	0.075	0.304	0.050	0.040	0.040	24.400	0.060
BB04477	6/11/2015	0.107	0.015	0.577	0.075	46.500	0.020	3.680	0.075	0.613	0.050	0.068	0.040	54.800	0.060
BB04476	6/12/2015	0.015	0.015	0.085	0.075	3.330	0.020	1.070	0.075	0.131	0.050	0.040	0.040	10.000	0.060
BB04475	6/13/2015	0.015	0.015	0.075	0.075	8.450	0.020	0.400	0.075	0.171	0.050	0.040	0.040	7.520	0.060
BB05334	6/15/2015	0.015	0.015	0.084	0.075	14.900	0.020	0.336	0.075	0.128	0.050	0.040	0.040	9.210	0.060

All values that were at or below the detection limit were reported at the detection limit

Septage Monitoring Data - 2015

Results in ppm

Sample No.	DATE	Cd	Cd MDL	Cr	Cr MDL	Cu	Cu MDL	Pb	Pb MDL	Ni	Ni MDL	Ag	Ag MDL	Zn	Zn MDL
BB05335	6/17/2015	0.015	0.015	0.075	0.075	1.260	0.020	0.188	0.075	0.061	0.050	0.040	0.040	6.290	0.060
BB05336	6/18/2015	0.015	0.015	0.075	0.075	1.270	0.020	0.106	0.075	0.057	0.050	0.040	0.040	4.450	0.060
BB05812	6/25/2015	0.015	0.015	0.089	0.075	2.900	0.020	0.118	0.075	0.094	0.050	0.040	0.040	13.800	0.060
BB05813	6/26/2015	0.015	0.015	0.188	0.075	2.310	0.020	0.374	0.075	0.102	0.050	0.040	0.040	9.100	0.060
BB05814	6/27/2015	0.015	0.015	0.082	0.075	9.320	0.020	0.359	0.075	0.387	0.050	0.040	0.040	9.970	0.060
BB06578	6/29/2015	0.018	0.015	0.195	0.075	9.990	0.020	0.711	0.075	0.196	0.050	0.042	0.040	21.900	0.060
BB06577	7/1/2015	0.015	0.015	0.148	0.075	12.900	0.020	0.399	0.075	0.152	0.050	0.040	0.040	13.100	0.060
BB06576	7/2/2015	0.015	0.015	0.143	0.075	5.400	0.020	0.306	0.075	0.147	0.050	0.042	0.040	16.800	0.060
BB07055	7/6/2015	0.019	0.015	0.177	0.075	12.100	0.020	0.624	0.075	0.206	0.050	0.040	0.040	15.600	0.060
BB07054	7/7/2015	0.024	0.015	0.248	0.075	12.400	0.020	1.170	0.075	0.331	0.050	0.044	0.040	20.100	0.060
BB07053	7/8/2015	0.015	0.015	0.111	0.075	7.620	0.020	0.537	0.075	0.194	0.050	0.040	0.040	12.300	0.060
BB07898	7/15/2015	0.020	0.015	0.289	0.075	17.100	0.020	1.130	0.075	0.248	0.050	0.048	0.040	32.000	0.060
BB07899	7/16/2015	0.015	0.015	0.075	0.075	2.080	0.020	0.183	0.075	0.050	0.050	0.040	0.040	4.080	0.060
BB07900	7/17/2015	0.015	0.015	0.075	0.075	3.260	0.020	0.164	0.075	0.050	0.050	0.040	0.040	6.040	0.060
BB08694	7/22/2015	0.050	0.015	0.265	0.075	13.000	0.020	1.080	0.075	0.201	0.050	0.040	0.040	11.600	0.060
BB08693	7/23/2015	0.049	0.015	0.140	0.075	9.840	0.020	1.040	0.075	0.146	0.050	0.040	0.040	9.670	0.060
BB08692	7/24/2015	0.050	0.015	0.211	0.075	12.800	0.020	1.210	0.075	0.289	0.050	0.040	0.040	12.400	0.060
BB09272	7/28/2015	0.015	0.015	0.163	0.075	6.440	0.020	0.801	0.075	0.195	0.050	0.040	0.040	15.500	0.060
BB09273	7/29/2015	0.015	0.015	0.206	0.075	10.900	0.020	0.556	0.075	0.326	0.050	0.066	0.040	18.800	0.060
BB09274	8/1/2015	0.015	0.015	0.075	0.075	1.060	0.020	0.128	0.075	0.050	0.050	0.040	0.040	3.770	0.060
BB09854	8/4/2015	0.015	0.015	0.079	0.075	9.360	0.020	0.198	0.075	0.098	0.050	0.040	0.040	10.200	0.060
BB09853	8/5/2015	0.032	0.015	0.289	0.075	25.800	0.020	0.936	0.075	0.396	0.050	0.052	0.040	34.350	0.060
BB09852	8/8/2015	0.015	0.015	0.075	0.075	1.240	0.020	0.083	0.075	0.052	0.050	0.040	0.040	4.500	0.060
BB10762	8/12/2015	0.026	0.015	0.176	0.075	18.700	0.020	0.539	0.075	0.219	0.050	0.040	0.040	21.100	0.060
BB10761	8/14/2015	0.015	0.015	0.075	0.075	3.630	0.020	0.203	0.075	0.106	0.050	0.040	0.040	9.090	0.060
BB10763	8/15/2015	0.022	0.015	0.261	0.075	11.400	0.020	1.830	0.075	0.327	0.050	0.043	0.040	21.700	0.060
BB11265	8/17/2015	0.015	0.015	0.075	0.075	3.660	0.020	0.237	0.075	0.104	0.050	0.040	0.040	9.970	0.060
BB11266	8/18/2015	0.015	0.015	0.081	0.075	5.370	0.020	0.459	0.075	0.088	0.050	0.040	0.040	7.000	0.060
BB11267	8/19/2015	0.015	0.015	0.217	0.075	3.700	0.020	0.158	0.075	0.196	0.050	0.133	0.040	18.900	0.060
BB12189	8/26/2015	0.015	0.015	0.136	0.075	4.710	0.020	0.408	0.075	0.132	0.050	0.040	0.040	12.100	0.060
BB12187	8/27/2015	0.015	0.015	0.166	0.075	5.510	0.020	0.360	0.075	0.165	0.050	0.040	0.040	13.500	0.060
BB12186	8/28/2015	0.015	0.015	0.147	0.075	6.740	0.020	0.371	0.075	0.137	0.050	0.040	0.040	12.400	0.060
BB12701	9/1/2015	0.016	0.015	0.084	0.075	7.620	0.020	0.345	0.075	0.106	0.050	0.040	0.040	11.000	0.060
BB12702	9/2/2015	0.015	0.015	0.075	0.075	3.570	0.020	0.164	0.075	0.054	0.050	0.040	0.040	4.930	0.060
BB12703	9/3/2015	0.040	0.015	0.591	0.075	15.600	0.020	2.280	0.075	0.479	0.050	0.051	0.040	19.400	0.060

All values that were at or below the detection limit were reported at the detection limit

Septage Monitoring Data - 2015

Results in ppm

Sample No.	DATE	Cd	Cd MDL	Cr	Cr MDL	Cu	Cu MDL	Pb	Pb MDL	Ni	Ni MDL	Ag	Ag MDL	Zn	Zn MDL
BB13550	9/10/2015	0.015	0.015	0.075	0.075	2.430	0.020	0.144	0.075	0.050	0.050	0.040	0.040	5.050	0.060
BB13551	9/11/2015	0.061	0.015	0.155	0.075	2.830	0.020	0.351	0.075	0.251	0.050	0.040	0.040	11.200	0.060
BB13552	9/12/2015	0.015	0.015	0.075	0.075	0.436	0.020	0.075	0.075	0.050	0.050	0.040	0.040	2.040	0.060
BB14157	9/14/2015	0.015	0.015	0.075	0.075	2.240	0.020	0.204	0.075	0.094	0.050	0.040	0.040	11.700	0.060
BB14160	9/17/2015	0.041	0.015	0.401	0.075	12.900	0.020	0.922	0.075	0.615	0.050	0.076	0.040	30.550	0.060
BB14162	9/19/2015	0.015	0.015	0.094	0.075	6.170	0.020	0.234	0.075	0.093	0.050	0.040	0.040	12.800	0.060
BB15004	9/24/2015	0.023	0.015	0.116	0.075	9.940	0.020	1.230	0.075	0.138	0.050	0.043	0.040	15.200	0.060
BB15005	9/25/2015	0.015	0.015	0.107	0.075	6.060	0.020	0.373	0.075	0.105	0.050	0.040	0.040	10.100	0.060
BB15006	9/26/2015	0.051	0.015	0.292	0.075	17.800	0.020	1.020	0.075	0.455	0.050	0.040	0.040	43.100	0.060
BB15576	10/1/2015	0.018	0.015	0.168	0.075	10.700	0.020	0.564	0.075	0.180	0.050	0.040	0.040	20.600	0.060
BB15575	10/2/2015	0.024	0.015	0.154	0.075	11.400	0.020	0.457	0.075	0.191	0.050	0.042	0.040	15.100	0.060
BB15574	10/3/2015	0.041	0.015	0.125	0.075	7.950	0.020	0.531	0.075	0.214	0.050	0.040	0.040	19.400	0.060
BB16453	10/7/2015	0.015	0.015	0.075	0.075	0.853	0.020	0.075	0.075	0.050	0.050	0.040	0.040	2.020	0.060
BB16454	10/8/2015	0.015	0.015	0.075	0.075	1.930	0.020	0.182	0.075	0.055	0.050	0.040	0.040	4.630	0.060
BB16455	10/9/2015	0.030	0.015	0.178	0.075	4.430	0.020	0.274	0.075	0.228	0.050	0.040	0.040	36.450	0.060
BB16948	10/13/2015	0.015	0.015	0.075	0.075	2.100	0.020	0.197	0.075	0.060	0.050	0.040	0.040	4.950	0.060
BB16949	10/14/2015	0.026	0.015	0.283	0.075	34.000	0.020	0.403	0.075	0.255	0.050	0.040	0.040	21.300	0.060
BB16952	10/15/2015	0.035	0.015	0.369	0.075	22.600	0.020	2.130	0.075	0.418	0.050	0.040	0.040	56.500	0.060
BB17659	10/19/2015	0.025	0.015	0.199	0.075	4.910	0.020	0.410	0.075	0.191	0.050	0.040	0.040	22.900	0.060
BB17661	10/21/2015	0.015	0.015	0.075	0.075	1.370	0.020	0.108	0.075	0.050	0.050	0.040	0.040	3.540	0.060
BB17662	10/22/2015	0.015	0.015	0.075	0.075	0.513	0.020	0.075	0.075	0.050	0.050	0.040	0.040	1.340	0.060
BB18183	10/26/2015	0.016	0.015	0.125	0.075	3.040	0.020	0.166	0.075	0.146	0.050	0.040	0.040	20.800	0.060
BB18182	10/27/2015	0.034	0.015	0.293	0.075	19.300	0.020	0.739	0.075	0.422	0.050	0.093	0.040	44.250	0.060
BB18181	10/30/2015	0.015	0.015	0.075	0.075	24.900	0.020	0.295	0.075	0.980	0.050	0.040	0.040	8.640	0.060
BB19044	11/4/2015	0.015	0.015	0.075	0.075	2.810	0.020	0.178	0.075	0.050	0.050	0.040	0.040	4.820	0.060
BB19043	11/5/2015	0.023	0.015	0.091	0.075	10.600	0.020	0.503	0.075	0.134	0.050	0.062	0.040	10.900	0.060
BB19042	11/7/2015	0.017	0.015	0.179	0.075	9.610	0.020	0.714	0.075	0.154	0.050	0.040	0.040	16.100	0.060
BB19587	11/12/2015	0.023	0.015	0.225	0.075	7.040	0.020	1.100	0.075	0.260	0.050	0.040	0.040	12.200	0.060
BB19586	11/13/2015	0.023	0.015	0.249	0.075	8.480	0.020	0.945	0.075	0.271	0.050	0.082	0.040	15.500	0.060
BB19585	11/14/2015	0.017	0.015	0.191	0.075	5.530	0.020	0.487	0.075	0.196	0.050	0.040	0.040	19.400	0.060
BB20343	11/16/2015	0.015	0.015	0.075	0.075	6.250	0.020	0.227	0.075	0.051	0.050	0.040	0.040	5.020	0.060
BB20344	11/17/2015	0.015	0.015	0.075	0.075	0.137	0.020	0.075	0.075	0.050	0.050	0.040	0.040	0.725	0.060
BB20348	11/21/2015	0.015	0.015	0.075	0.075	2.520	0.020	0.244	0.075	0.074	0.050	0.040	0.040	8.690	0.060
BB20902	11/25/2015	0.015	0.015	0.075	0.075	1.920	0.020	0.149	0.075	0.050	0.050	0.040	0.040	6.260	0.060
BB20903	11/27/2015	0.015	0.015	0.075	0.075	1.380	0.020	0.141	0.075	0.069	0.050	0.040	0.040	5.400	0.060

All values that were at or below the detection limit were reported at the detection limit

Septage Monitoring Data - 2015

Results in ppm

Sample No.	DATE	Cd	Cd MDL	Cr	Cr MDL	Cu	Cu MDL	Pb	Pb MDL	Ni	Ni MDL	Ag	Ag MDL	Zn	Zn MDL
BB20904	11/30/2015	0.015	0.015	0.119	0.075	3.040	0.020	0.251	0.075	0.125	0.050	0.040	0.040	10.000	0.060
BB20901	12/4/2015	0.015	0.015	0.075	0.075	3.400	0.020	0.163	0.075	0.072	0.050	0.040	0.040	5.620	0.060
BB20900	12/5/2015	0.055	0.015	0.466	0.075	19.300	0.020	2.290	0.075	0.978	0.050	0.105	0.040	38.000	0.060
BB20899	12/7/2015	0.041	0.015	0.180	0.075	10.400	0.020	0.898	0.075	0.265	0.050	0.040	0.040	32.000	0.060
BB22265	12/8/2015	0.015	0.015	0.146	0.075	25.700	0.020	0.654	0.075	0.224	0.050	0.040	0.040	13.700	0.060
BB22266	12/9/2015	0.018	0.015	0.196	0.075	21.700	0.020	0.769	0.075	0.257	0.050	0.042	0.040	19.300	0.060
BB22267	12/10/2015	0.015	0.015	0.087	0.075	4.090	0.020	0.561	0.075	0.100	0.050	0.040	0.040	12.000	0.060
BB23071	12/14/2015	0.030	0.015	0.203	0.075	10.200	0.020	1.650	0.075	0.434	0.050	0.040	0.040	17.500	0.060
BB23072	12/15/2015	0.037	0.015	0.247	0.075	14.000	0.020	2.160	0.075	0.718	0.050	0.047	0.040	22.500	0.060
BB23073	12/16/2015	0.015	0.015	0.126	0.075	6.760	0.020	0.748	0.075	0.257	0.050	0.040	0.040	11.100	0.060
BB23487	12/21/2015	0.015	0.015	0.132	0.075	11.000	0.020	0.929	0.075	0.207	0.050	0.040	0.040	16.600	0.060
BB23489	12/23/2015	0.021	0.015	0.187	0.075	17.100	0.020	1.630	0.075	0.232	0.050	0.040	0.040	19.300	0.060
BB23490	12/24/2015	0.015	0.015	0.075	0.075	3.780	0.020	0.334	0.075	0.181	0.050	0.040	0.040	9.480	0.060
BB24205	12/29/2015	0.015	0.015	0.075	0.075	7.420	0.020	0.142	0.075	0.128	0.050	0.040	0.040	5.110	0.060
BB24206	12/30/2015	0.015	0.015	0.075	0.075	4.000	0.020	0.696	0.075	0.108	0.050	0.040	0.040	12.200	0.060
BB24207	12/31/2015	0.015	0.015	0.142	0.075	8.530	0.020	2.440	0.075	0.131	0.050	0.040	0.040	21.000	0.060

All values that were at or below the detection limit were reported at the detection limit

Metals Loading to Bucklin Point from Septage (lbs/yr)

Year	Cadmium	Chromium	Copper	Lead	Nickel	Silver	Zinc	Total Metals	MGY
1996	4.5	77.6	946.0	167.0	33.9	19.6	1414	2663	14.7600
1997	3.9	33.2	806.0	113.0	27.4	10.3	1060	2054	14.2200
1998	4.5	29.2	830.0	93.0	31.0	5.7	1016	2009	17.5300
1999	3.4	26.5	623.0	61.0	20.0	4.1	849	1587	21.5000
2000	2.8	21.8	591.0	53.0	26.7	4.1	873	1572	23.3400
2001	1.5	20.7	436.0	42.3	22.4	4.2	633	1160	17.3900
2002	0.95	8.2	322.6	30.4	22.8	33.1	473	892	17.0360
2003	0.89	3.8	196.4	15.9	7.1	4.2	299	527	13.0331
2004	0.90	5.0	256.3	15.9	8.9	3.3	321	612	9.1004
2005	0.93	7.9	349.9	25.5	11.3	1.9	458	855	8.9612
2006	1.35	8.8	416.0	24.2	13.2	3.3	495	961	9.3629
2007	1.5	11.5	532.3	28.2	14.8	4.2	605	1197	8.5260
2008	2.8	10.5	440.3	19.8	9.5	5.3	508	996	9.3012
2009	1.5	12.1	435.4	23.0	11.6	4.2	554	1042	9.0800
2010	1.4	12.5	505.1	30.7	15.5	3.3	640	1208	8.0228
2011	1.6	21.1	558.4	35.8	16.8	5.1	745	1384	7.0695
2012	1.6	17.7	775.6	39.0	22.5	3.4	989	1848	7.0769
2013	1.9	9.7	545.4	35.9	17.0	5.0	688	1303	7.2422
2014	1.5	10.5	606.7	36.2	15.9	7.0	780.8	1459	7.9219
2015	1.5	10.5	547.7	37.9	14.3	3.1	950.3	1565	8.4210

NBC River-Bay Nutrients Results 2015

								NUTRIENT PARAMETERS							TSS AND CHLOROPHYLL PARAMETERS			
Collection Date	Collection Time	Station	Waterbody	Depth (meters)	Salinity (ppt)	Temp (°C)	pH	NO3+NO2 (ppb)	Nitrite (ppb)	NH3 (ppb)	Ortho-Phosphate (ppb)	Silicate (ppb)	Total Nitrogen (ppb)	Total Dissolved Nitrogen (ppb)	TSS* (ppm)	Chl a (ug/L)	Phaeophytin (ug/L)	COMMENTS
* After a quality assurance/quality control review, the NBC found their TSS data were compromised. The NBC is currently evaluating their procedures. Past TSS data, historically found in this spreadsheet, have been removed.																		
BAY																		
03/17/15	8:54 AM	Conimicut Point	BAY	0.5	25.34	2.31	8.04	116.00	3.90	45.20	<5.0	301.0	645.0	283	*	15.76	1.571	Surface
03/17/15	9:01 AM	Conimicut Point	BAY	n/a	n/a	n/a	n/a	10.40	<1.5	<7.0	7.34	28.7	344.0	104	*			Bottom
03/17/15	10:59 AM	Edgewood Yacht Club	BAY	0.5	16.87	2.43	7.92	432.00	11.30	337.00	26.00	1280.0	1170.0	893	*	7.444	1.628	Surface
03/17/15	10:59 AM	Edgewood Yacht Club	BAY	0.5	16.87	2.43	7.92	438.00	11.80	344.00	25.20	1360.0	1210.0	875	*	7.567	1.401	Surface Duplicate
03/17/15	11:16 AM	Edgewood Yacht Club	BAY	n/a	n/a	n/a	n/a	72.90	2.39	46.40	<5.0	183.0	577.0	236	*			Bottom
03/17/15	10:26 AM	Pomham Rocks	BAY	0.5	17.75	2.43	7.98	414.00	11.30	310.00	22.60	1230.0	1190.0	860	*	6.724	1.469	Surface
03/17/15	10:33 AM	Pomham Rocks	BAY	n/a	n/a	n/a	n/a	65.20	2.32	51.70	7.66	181.0	501.0	232	*			Bottom
03/17/15	1:39 PM	India Point Park	BAY	0.5	6.86	2.61	7.10	600.00	14.20	276.00	20.40	2320.0	1310.0	1030	*			Surface
03/17/15	1:47 PM	India Point Park	BAY	n/a	n/a	n/a	n/a	19.90	<1.5	15.40	<5.0	75.4	485.0	136	*			Bottom
03/17/15	9:15 AM	Bullock's Reach Buoy	BAY	0.5	21.90	2.36	8.01	105.00	2.89	44.40	<5.0	279.0	621.0	271	*	20.15	2.992	Surface
03/17/15	9:22 AM	Bullock's Reach Buoy	BAY	n/a	n/a	n/a	n/a	8.16	<1.5	<7.0	<5.0	55.5	431.0	118	*	24.75	1.927	Bottom
03/17/15	10:42 AM	Pawtuxet @ Red Can	BAY	0.5	4.19	3.51	7.57	136.00	5.07	62.20	<5.0	322.0	664.0	338	*	18.38	3.357	Surface
03/17/15	10:47 AM	Pawtuxet @ Red Can	BAY	n/a	n/a	n/a	n/a	794.00	15.10	376.00	13.40	2280.0	1660.0	1300	*			Bottom
03/17/15	1:09 PM	Phillipsdale Landing	BAY	0.5	3.03	2.46	6.87	708.00	14.10	272.00	41.50	2430.0	1460.0	1080	*	3.969	2.078	Surface
03/17/15	1:11 PM	Phillipsdale Landing	BAY	n/a	n/a	n/a	n/a	420.00	10.10	236.00	17.70	1910.0	1120.0	820	*			Bottom
04/01/15	8:55 AM	Conimicut Point	BAY	0.5	21.91	3.30	8.29	161.00	3.93	53.90	<5.00	608.0	781.0	362	*	18.21	0.081	Surface
04/01/15	2:50 PM	Edgewood Yacht Club	BAY	0.5	22.09	5.14	8.28	173.00	3.89	37.50	7.60	565.0	596.0	359	*	16.48	2.064	Surface Duplicate
04/01/15	2:50 PM	Edgewood Yacht Club	BAY	0.5	22.09	5.14	8.28	181.00	4.58	40.50	7.48	568.0	749.0	326	*	8.475	1.018	Surface
04/01/15	1:55 PM	Pomham Rocks	BAY	0.5	20.00	4.40	8.25	193.00	4.87	54.20	10.20	870.0	751.0	435	*	7.125	1.442	Surface
04/01/15	2:23 PM	India Point Park	BAY	0.5	5.80	4.83	8.04	5020.00	16.20	162.00	24.10	1890.0	852.0	788	*	3.116	1.255	Surface
04/01/15	9:19 AM	Bullock's Reach Buoy	BAY	0.5	18.60	3.48	8.27	266.00	7.48	95.60	9.18	926.0	815.0	494	*	11.02	0.6055	Surface
04/01/15	1:31 PM	Pawtuxet @ Red Can	BAY	0.5	3.25	6.33	7.65	982.00	15.20	252.00	12.50	2240.0	1570.0	1360	*	4.707	0.9849	Surface
04/01/15	11:25 AM	Phillipsdale Landing	BAY	0.5	2.32	4.65	7.16	523.00	18.80	192.00	46.40	2380.0	873.0	824	*	2.436	0.9513	Surface
04/15/15	9:29 AM	Conimicut Point	BAY	0.6	15.45	8.83	8.15	262	8.07	53.5	18.3	1000	744	485	*	23.26	2.907	Surface
04/15/15	9:31 AM	Conimicut Point	BAY	8.1	29.86	4.57	7.97	6.78	<1.5	<7.0	<5.00	30.9	424	210	*			Bottom
04/15/15	9:02 AM	Edgewood Yacht Club	BAY	0.5	22.09	5.14	8.28	159	5.67	41.5	13.7	569	742	507	*	6.022	1.2	Surface
04/15/15	9:10 AM	Edgewood Yacht Club	BAY	4.6	27.98	6.37	8.14	6.68	<1.5	<7.0	<5.00	26.8	479	142	*			Bottom
04/15/15	1:20 PM	Pomham Rocks	BAY	0.5	18.25	8.73	8.30	193	8.08	36.5	13.1	736	657	357	*	4.786	0.878	Surface
04/15/15	1:21 PM	Pomham Rocks	BAY	5.8	29.56	4.98	7.99	<6.00	<1.5	<7.0	<5.00	53.5	451	132	*			Bottom
04/15/15	1:47 PM	India Point Park	BAY	0.7	11.07	9.86	7.96	469	19.6	117	33.5	1730	978	928	*	2.844	1.65	Surface
04/15/15	1:52 PM	India Point Park	BAY	5.1	29.79	4.31	7.94	33.7	2.07	27.2	11.2	82.5	457	255	*			Bottom
04/15/15	9:52 AM	Bullock's Reach Buoy	BAY	0.6	15.21	9.29	8.23	273	9.24	21.5	9.49	1020	757	514	*	12.55	1.736	Surface
04/15/15	9:55 AM	Bullock's Reach Buoy	BAY	6.7	29.67	4.68	6.97	8.44	<1.5	<7.0	<5.00	20.1	384	341	*			Bottom
04/15/15	12:58 PM	Pawtuxet @ Red Can	BAY	0.5	0.96	10.94	8.10	682	6.89	45.3	12	2000	1060	915	*	2.326	1.166	Surface
04/15/15	1:08 PM	Pawtuxet @ Red Can	BAY	2.5	23.41	7.97	8.04	310	6.87	42	16.8	1080	803	610	*			Bottom
04/15/15	12:58 PM	Pawtuxet @ Red Can	BAY	0.5	0.96	10.94	8.10	682	7.31	45.4	11.8	2030	1070	937	*	2.204	0.9764	Surface Duplicate
04/15/15	10:14 AM	Phillipsdale Landing	BAY	0.5	n/a	10.98	7.04	495	21.7	121	76.8	1890	1110	865	*	3.94	2.649	Surface
04/15/15	10:18 AM	Phillipsdale Landing	BAY	n/a	n/a	10.29	7.11	448	21.2	158	25.6	1700	1120	831	*			Bottom
04/29/15	8:50 AM	Conimicut Point	BAY	0.5	26.34	8.54	7.68	104	3.62	47.7	15.9	361	442	357	*	1.607	1.162	Surface
04/29/15	10:18 AM	Edgewood Yacht Club	BAY	0.5	28.95	8.02	7.61	63.1	2.36	36	19.6	220	402	191	*	1.854	1.226	Surface
04/29/15	10:18 AM	Edgewood Yacht Club	BAY	0.5	28.95	8.02	7.61	64	2.47	35.1	19.1	218	365	194	*	2.274	1.49	Surface Duplicate
04/29/15	1:15 PM	Pomham Rocks	BAY	0.5	24.77	9.34	7.60	131	5.54	72.7	23.2	391	437	177	*	2.15	1.384	Surface
04/29/15	2:20 PM	India Point Park	BAY	0.5	13.17	11.20	7.60	340	13.3	172	41.5	1090	826	638	*	2.241	1.987	Surface
04/29/15	9:10 AM	Bullock's Reach Buoy	BAY	0.5	25.49	8.59	7.67	119	4.97	66.6	24.1	418	463	301	*	1.7	1.387	Surface
04/29/15	10:42 AM	Pawtuxet @ Red Can	BAY	0.5	5.03	12.01	7.20	548	7.83	87	9.85	1830	728	573	*	2.271	1.756	Surface
04/29/15	1:50 PM	Phillipsdale Landing	BAY	0.5	8.33	11.95	7.44	448	17	219	66.5	1450	878	809	*	2.177	2.499	Surface
05/13/15	8:53 AM	Conimicut Point	BAY	0.5	22.61	17.33	8.05	<6.00	1.59	<7.0	<5.00	53.2	623	267	*	36.64	10.28	Surface
05/13/15	8:59 AM	Conimicut Point	BAY	n/a	n/a	n/a	n/a	8.9	<1.5	17.4	15.9	200	521	166	*			Bottom

								NUTRIENT PARAMETERS							TSS AND CHLOROPHYLL PARAMETERS			
Collection Date	Collection Time	Station	Waterbody	Depth (meters)	Salinity (ppt)	Temp (°C)	pH	NO3+NO2 (ppb)	Nitrite (ppb)	NH3 (ppb)	Ortho-Phosphate (ppb)	Silicate (ppb)	Total Nitrogen (ppb)	Total Dissolved Nitrogen (ppb)	TSS* (ppm)	Chl a (ug/L)	Phaeophytin (ug/L)	COMMENTS
05/13/15	9:31 AM	Bullock's Reach	BAY	0.5	22.09	17.32	8.11	<6.00	<1.5	<7.0	<5.00	63.3	599	210	*	33	12.32	Surface
05/13/15	9:36 AM	Bullock's Reach	BAY	n/a	n/a	n/a	n/a	8.72	<1.5	17.5	15.2	203	308	160	*			Bottom
05/13/15	10:11 AM	Phillipsdale Landing	BAY	0.53	6.69	19.01	7.30	671	79.3	164	76	913	1690	1140	*	92.46	23.17	Surface
05/13/15	10:15 AM	Phillipsdale Landing	BAY	1.6	8.56	18.97	7.42	659	76.6	179	89	998	1810	1090	*			Bottom
05/13/15	1:06 PM	Pawtuxet @ Red Can	BAY	0.5	18.94	17.33	8.32	589	8.63	49.7	17	1370	1200	922	*	17.19	5.914	Surface
05/13/15	1:24 PM	Pawtuxet @ Red Can	BAY	n/a	n/a	n/a	n/a	70.9	1.96	<7.0	<5.00	170	692	276	*			Bottom
05/13/15	1:43 PM	Pomham Rocks	BAY	0.5	21.69	15.36	8.25	128	15.3	<7.0	17.1	216	622	355	*	24.55	7.608	Surface
05/13/15	1:59 PM	Pomham Rocks	BAY	n/a	n/a	n/a	n/a	6.73	<1.5	16.9	14.8	201	308	193	*			Bottom
05/13/15	2:14 PM	India Point Park	BAY	0.5	25.73	12.32	8.00	103	9.76	33.4	21.3	276	551	312	*	14.13	5.061	Surface
05/13/15	2:29 PM	India Point Park	BAY	n/a	n/a	n/a	n/a	9.6	1.52	81.9	27.9	215	387	232	*			Bottom
05/13/15	2:40 PM	Edgewood Yacht Club	BAY	0.5	22.9	14.75	8.08	130	12.9	21	44.3	291	654	344	*	24.3	7.174	Surface
05/13/15	2:40 PM	Edgewood Yacht Club	BAY	0.5	22.4	14.75	8.08	127	12.6	19.1	43.9	294	635	361	*	25.49	5.895	Surface Duplicate
05/13/15	2:56 PM	Edgewood Yacht Club	BAY	n/a	n/a	n/a	n/a	16.8	2.24	15.6	16.6	209	397	208	*			Bottom
05/27/15	8:50 AM	Edgewood Shoals	BAY	0.5	25.07	17.78	7.98	24.9	3.7	<7	25.9	652	632	267	*	12.66	8.605	Surface
05/27/15	9:00 AM	Edgewood Shoals	BAY	n/a	n/a	n/a	n/a	6.03	1.84	<7	21.1	705	668	295	*	1.554	1.952	Bottom
05/27/15	9:25 AM	Pawtuxet @ Red Can	BAY	0.5	17.82	24.51	7.99	777	13.3	96.9	43.8	1700	1370	1140	*	19.09	4.032	Surface
05/27/15	9:50 AM	Conimicut Point	BAY	0.5	28.41	17.07	7.89	6.72	<1.5	<7	11.5	402	422	168	*	17.11	2.696	Surface
05/27/15	10:10 AM	Bullock's Reach	BAY	0.5	n/a	n/a	n/a	8.02	<1.5	<7	13	520	596	222	*	47.97	21.96	Surface
05/27/15	10:45 AM	Phillipsdale Landing	BAY	0.5	7.68	19.78	7.86	733	45.8	113	82.7	926	1880	1160	*	38.41	3.67	Surface
05/27/15	12:55 PM	India Point Park	BAY	0.5	16.57	20.50	7.95	372	29.3	72.2	50.9	751	1140	751	*	16.21	3.235	Surface
05/27/15	1:45 PM	Pomham Rocks	BAY	0.5	25.22	18.32	8.20	19.7	4.01	<7	27.8	687	785	216	*	16.04	3.384	Surface
05/27/15	2:15 PM	Edgewood Yacht Club	BAY	0.5	25.19	18.62	8.18	14.8	2.49	<7	17	664	619	197	*	16.73	2.079	Surface
05/27/15	2:15 PM	Edgewood Yacht Club	BAY	0.5	25.19	18.62	8.18	13.9	2.22	<7	16.9	663	636	194	*	7.722	2.055	Surface Duplicate
06/10/15	8:46 AM	Conimicut Point	BAY	0.5	24.65	18.26	7.83	22.9	<1.5	<7	14.8	518	572	208	*	17.26	3.74	Surface
06/10/15	8:52 AM	Conimicut Point	BAY	n/a	n/a	n/a	n/a	8.36	<1.5	<7	16.2	427	430	174	*			Bottom
06/10/15	9:55 AM	Edgewood Yacht Club	BAY	0.5	24.38	18.91	7.82	<6.0	<1.5	<7	13.1	523	610	209	*	29.63	6.706	Surface
06/10/15	9:55 AM	Edgewood Yacht Club	BAY	0.5	24.38	18.91	7.82	<6.0	<1.5	<7	13	519	636	212	*	29.7	5.138	Surface Duplicate
06/10/15	9:58 AM	Edgewood Yacht Club	BAY	n/a	n/a	n/a	n/a	<6.0	<1.5	<7	14.2	518	580	269	*			Bottom
06/10/15	12:47 PM	Pomham Rocks	BAY	0.5	22.44	19.94	8.03	65.9	2.65	20.5	24.7	723	720	397	*	1.33	0.5372	Surface
06/10/15	12:51 PM	Pomham Rocks	BAY	n/a	n/a	n/a	n/a	<6.0	<1.5	<7	20.1	441	411	245	*			Bottom
06/10/15	1:22 PM	India Point Park	BAY	0.5	17.88	21.03	7.70	228	8.31	73.8	46.9	1090	717	617	*	15.98	3.751	Surface
06/10/15	1:25 PM	India Point Park	BAY	n/a	n/a	n/a	n/a	6.3	<1.5	30.3	29.6	512	358	200	*			Bottom
06/10/15	9:19 AM	Bullock's Reach	BAY	0.5	23.37	18.92	7.90	36.2	<1.5	<7	21.3	621	566	241	*	17.88	4.791	Surface
06/10/15	9:22 AM	Bullock's Reach	BAY	n/a	n/a	n/a	n/a	<6.0	<1.5	<7	11	365	366	282	*			Bottom
06/10/15	8:15 AM	Pawtuxet @ Red Can	BAY	0.5	13.21	18.83	7.45	483	6.2	35.1	16.4	1320	1050	761	*	1.217	0.8336	Surface
06/10/15	8:19 AM	Pawtuxet @ Red Can	BAY	n/a	n/a	n/a	n/a	53.4	<1.5	<7	13.9	514	601	221	*			Bottom
06/10/15	1:20 PM	Phillipsdale Landing	BAY	n/a	n/a	n/a	n/a	524	14.6	102	72.2	1740	1160	876	*	12.74	4.498	Surface
06/10/15	1:25 PM	Phillipsdale Landing	BAY	n/a	n/a	n/a	n/a	113	6.43	141	55.2	900	1330	450	*			Bottom
06/10/15	7:49 AM	Edgewood Shoals	BAY	0.5	24.63	18.42	7.88									17.52	4.679	Surface
06/10/15	8:00 AM	Edgewood Shoals	BAY	n/a	n/a	n/a	n/a									10.58	2.159	Bottom
06/24/15	8:35 AM	Conimicut Point	BAY	0.5	24.04	21.53	7.98	<6	<1.5	<7	36.5	664	617	179	*	40.71	24.19	Surface
06/24/15	12:49 PM	Edgewood Yacht Club	BAY	0.5	22.69	22.71	8.18	42.6	3.39	<7	70.2	772	728	319	*	62.63	25.45	Surface
06/24/15	12:49 PM	Edgewood Yacht Club	BAY	0.5	22.69	22.71	8.18	42.5	3.33	<7	34.2	781	816	229	*	50.34	25.82	Surface Duplicate
06/24/15	1:13 PM	Pomham Rocks	BAY	0.5	19.61	22.67	7.98	140	5.87	<7	48.9	923	589	338	*	23.99	6.618	Surface
06/24/15	2:25 PM	India Point Park	BAY	0.5	21.28	21.75	8.03	167	9.59	9.53	56.3	1000	652	444	*	37.95	6.69	Surface
06/24/15	8:57 AM	Bullock's Reach	BAY	0.5	23.21	21.68	8.05	<6	<1.5	<7	21.8	742	541	177	*	29.31	16.78	Surface
06/24/15	9:44 AM	Pawtuxet @ Red Can	BAY	0.5	8.74	22.49	7.57	528	8.19	74.4	31.6	1680	758	849	*	6.2	4.075	Surface
06/24/15	10:01 AM	Edgewood Shoals	BAY	0.5	23.37	22.07	8.04	<6	<1.5	<7	21.9	682	380	249	*	14.37	8.088	Surface
06/24/15	10:06 AM	Edgewood Shoals	BAY	n/a	n/a	n/a	n/a	19.8	1.69	62.7	66	906	351	236	*	8.625	4.776	Bottom

Table 30. River and Bay Nutrients Data

								NUTRIENT PARAMETERS							TSS AND CHLOROPHYLL PARAMETERS			
Collection Date	Collection Time	Station	Waterbody	Depth (meters)	Salinity (ppt)	Temp (°C)	pH	NO3+NO2 (ppb)	Nitrite (ppb)	NH3 (ppb)	Ortho-Phosphate (ppb)	Silicate (ppb)	Total Nitrogen (ppb)	Total Dissolved Nitrogen (ppb)	TSS* (ppm)	Chl a (ug/L)	Phaeophytin (ug/L)	COMMENTS
06/24/15	1:55 PM	Phillipsdale Landing	BAY	0.5	3.58	25.41	8.27	562	15.2	60.2	127	1450	1010	871	*	26.35	4.624	Surface
07/08/15	9:15 AM	Conimicut Point	BAY	0.5	26.67	23.58	7.69	15.5	<1.5	<7	41.4	551	424	148	*	3.334	1.588	Surface
07/08/15	9:20 AM	Conimicut Point	BAY	n/a	n/a	n/a	n/a	46.7	<1.5	33.7	34.2	528	412	115	*			Bottom
07/08/15	1:00 PM	Edgewood Yacht Club	BAY	0.5	24.30	24.19	7.69	9.55	<1.5	<7	59.6	844	620	227	*	8.496	2.162	Surface
07/08/15	1:00 PM	Edgewood Yacht Club	BAY	0.5	24.30	24.19	7.69	7.94	<1.5	<7	61.8	859	613	340	*	10.49	2.676	Surface Duplicate
07/08/15	1:10 PM	Edgewood Yacht Club	BAY	n/a	n/a	n/a	n/a	13.5	<1.5	55.8	64.1	722	506	307	*			Bottom
07/08/15	1:25 PM	Pomham Rocks	BAY	0.5	23.99	24.28	7.67	6.92	<1.5	<7	61.8	846	653	243	*	13.55	2.4	Surface
07/08/15	1:30 PM	Pomham Rocks	BAY	n/a	n/a	n/a	n/a	18	<1.5	65.7	60	671	431	182	*			Bottom
07/08/15	1:55 PM	India Point Park	BAY	0.5	21.66	25.52	7.47	144	6.09	33.5	95.4	1080	735	332	*	10.44	2.146	Surface
07/08/15	2:05 AM	India Point Park	BAY	n/a	n/a	n/a	n/a	44.3	1.65	83.3	89.4	941	566	247	*			Bottom
07/08/15	9:31 AM	Bullock's Reach	BAY	0.5	25.62	23.70	7.67	27.9	<1.5	<7	54.5	735	551	155	*	2.162	2.132	Surface
07/08/15	9:40 AM	Bullock's Reach	BAY	n/a	n/a	n/a	n/a	9.7	<1.5	22	36.5	445	417	122	*			Bottom
07/08/15	8:52 AM	Pawtuxet @ Red Can	BAY	0.5	11.38	23.38	7.20	754	9.37	84.8	50.9	1680	1330	991	*	7.772	2.067	Surface
07/08/15	8:56 AM	Pawtuxet @ Red Can	BAY	n/a	n/a	n/a	n/a	85.7	<1.5	30.3	59.7	928	691	357	*			Bottom
07/08/15	8:37 AM	Edgewood Shoals	BAY	0.5	24.27	23.51	7.68									8.157	2.705	Surface
07/08/15	8:40 AM	Edgewood Shoals	BAY	n/a	n/a	n/a	n/a									5.345	5.098	Bottom
07/08/15	1:45 PM	Phillipsdale Landing	BAY	0.5	14.18	25.34	7.37	291	11	66	149	1540	1100	551	*	18.55	6.054	Surface
07/08/15	2:00 PM	Phillipsdale Landing	BAY	n/a	n/a	n/a	n/a	60.2	4.3	146	118	1080	662	292	*			Bottom
07/22/15	9:25 AM	Conimicut Point	BAY	0.5	26.05	24.42	7.42	13.5	<1.5	<7	74.9	1290	578	243	*	28.32		Surface
07/22/15	3:15 PM	Edgewood Yacht Club	BAY	0.5	27.51	24.87	7.40	8.16	<1.5	<7	115	1510	592	235	*	28.75		Surface
07/22/15	3:15 PM	Edgewood Yacht Club	BAY	0.5	27.51	24.87	7.40	13.3	<1.5	<7	112	1500	659	207	*	28.65		Surface Duplicate
07/22/15	1:25 PM	Pomham Rocks	BAY	0.5	26.26	24.21	7.25	74.7	7.25	68.9	132	1480	608	360	*	9.069		Surface
07/22/15	1:50 PM	India Point Park	BAY	0.5	27.31	24.31	7.34	49.8	6.73	<7	122	1380	606	291	*	23.15		Surface
07/22/15	8:30 AM	Bullock's Reach	BAY	0.5	26.22	24.33	7.41	<6.0	<1.5	<7	84.8	1330	589	302	*	25.19		Surface
07/22/15	1:06 PM	Pawtuxet @ Red Can	BAY	0.5	15.77	25.60	8.02	490	11	11.5	56.3	1980	1270	789	*	24.13		Surface
07/22/15	2:25 PM	Phillipsdale Landing	BAY	0.5	14.40	26.48	8.89	151	7.89	<7	379	2040	2090	435	*	262.1		Surface
07/22/15	9:55 AM	Edgewood Shoals Surface	BAY	0.5	26.07	24.17	7.47	9.69	<1.5	<7	113	1460	612	198	*	14.45		Surface
07/22/15	10:00 AM	Edgewood Shoals Bottom	BAY	n/a	n/a	n/a	n/a	27.2	7.54	159	119	1500	687	358	*	9.135		Bottom
08/04/15	8:47 AM	Conimicut Point	BAY	0.5	29.4	24.57	7.64	15.6	<1.5	19.5	67.2	1080	410	222	*	5.13	5.639	Surface
08/04/15	8:51 AM	Conimicut Point	BAY	n/a	n/a	n/a	n/a	8.73	<1.5	48.1	55.5	1020	380	194	*			Bottom
08/04/15	2:23 PM	Edgewood Yacht Club	BAY	0.5	27.62	25.71	7.72	<6	<1.5	<7	85.2	1140	449	192	*	10.93	4.574	Surface
08/04/15	2:23 PM	Edgewood Yacht Club	BAY	0.5	27.62	25.71	7.72	8.52	<1.5	<7	85.3	1140	474	207	*	11.49	3.643	Surface Duplicate
08/04/15	2:29 PM	Edgewood Yacht Club	BAY	n/a	n/a	n/a	n/a	<6	<1.5	<7	81.7	1120	454	188	*			Bottom
08/04/15	9:54 AM	Pomham Rocks	BAY	0.5	27.36	25.13	7.74	19.7	2.13	<7	115	1130	514	206	*	19.99	4.713	Surface
08/04/15	9:58 AM	Pomham Rocks	BAY	n/a	n/a	n/a	n/a	13.2	<1.5	31.1	106	1160	549	226	*			Bottom
08/04/15	1:12 PM	India Point Park	BAY	0.5	26.75	25.89	7.62	38	4.97	42.1	140	1200	553	277	*	13.11	3.616	Surface
08/04/15	1:15 PM	India Point Park	BAY	n/a	n/a	n/a	n/a	27.7	4.06	88.3	139	1190	457	356	*			Bottom
08/04/15	9:09 AM	Bullock's Reach	BAY	0.5	29.11	24.68	7.61	8.42	<1.5	14.3	72.3	1090	450	186	*	6.474	4.002	Surface
08/04/15	9:13 AM	Bullock's Reach	BAY	n/a	n/a	n/a	n/a	8.81	<1.5	44.8	66.6	1100	487	266	*			Bottom
08/04/15	10:13 AM	Pawtuxet @ Red Can	BAY	0.5	14.21	24.52	7.25	693	4.95	81.4	103	1670	1190	1020	*	5.388	3.423	Surface
08/04/15	10:16 AM	Pawtuxet @ Red Can	BAY	n/a	n/a	n/a	n/a	18.8	<1.5	33	90.9	1220	588	299	*			Bottom
08/04/15	12:35 PM	Edgewood Shoals	BAY	0.5	27.62	25.59	7.72									8.698	2.558	Surface
08/04/15	12:38 PM	Edgewood Shoals	BAY	n/a	n/a	n/a	n/a									2.772	1.904	Bottom
08/04/15	1:36 PM	Phillipsdale Landing	BAY	0.5	n/a	26.59	7.44	71.7	8.56	86.8	242	1680	645	438	*	6.438	1.554	Surface
08/04/15	1:41 PM	Phillipsdale Landing	BAY	n/a	n/a	25.78	7.39	77.1	10.5	126	248	1650	714	438	*			Bottom
08/19/15	8:08 AM	Conimicut Point	BAY	0.5	28.41	25.86	7.86	8.87	<1.5	<7	47.4	1030	485	344	*	13.75	4.148	Surface
08/19/15	9:57 AM	Edgewood Yacht Club	BAY	0.5	26.17	26.46	7.80	7.79	<1.5	<7	95.3	1180	597	232	*	12.08	4.09	Surface
08/19/15	9:57 AM	Edgewood Yacht Club	BAY	0.5	26.17	26.46	7.80	<6	<1.5	<7	95.3	1170	607	226	*	16.77	6.227	Surface Duplicate
08/19/15	9:14 AM	Pomham Rocks	BAY	0.5	26.04	26.14	7.72	42.6	2.66	<7	117	1210	630	282	*	19.91	5.659	Surface

Table 30. River and Bay Nutrients Data

								NUTRIENT PARAMETERS							TSS AND CHLOROPHYLL PARAMETERS			
Collection Date	Collection Time	Station	Waterbody	Depth (meters)	Salinity (ppt)	Temp (°C)	pH	NO3+NO2 (ppb)	Nitrite (ppb)	NH3 (ppb)	Ortho-Phosphate (ppb)	Silicate (ppb)	Total Nitrogen (ppb)	Total Dissolved Nitrogen (ppb)	TSS* (ppm)	Chl a (ug/L)	Phaeophytin (ug/L)	COMMENTS
08/19/15	1:24 PM	India Point Park	BAY	0.5	23.66	27.76	7.84	128	12.9	<7	160	804	942	363	*	44.71	3.284	Surface
08/19/15	8:26 AM	Bullock's Reach	BAY	0.5	28.08	26.12	7.82	7.34	<1.5	<7	55.5	1100	571	232	*	0.9808	0.3435	Surface
08/19/15	2:00 PM	Pawtuxet @ Red Can	BAY	0.5	14.77	27.55	7.55	363	2.43	16.6	60.6	1660	940	660	*	13.53	4.231	Surface
08/19/15	9:32 AM	Edgewood Shoals	BAY	0.5	26.36	26.37	7.80	6.72	<1.5	<7	81	1230	604	242	*	20.29	5.497	Surface
08/19/15	9:34 AM	Edgewood Shoals	BAY	n/a	n/a	n/a	n/a	<6	<1.5	155	243	2000	696	236	*	8.139	16.87	Bottom
08/19/15	12:56 PM	Phillipsdale Landing	BAY	0.5	13.87	27.70	7.36	434	18.6	325	261	1670	1590	1240	*	12.94	2.946	Surface
09/02/15	8:57 AM	Conimicut Point	BAY	0.5	30.13	24.15	7.17	12.4	2.22	29.2	82	1430	467	369	*	11.45	3.331	Surface
09/02/15	9:00 AM	Conimicut Point	BAY	n/a	n/a	n/a	n/a	8.04	<1.5	43.8	55.5	1260	450	295	*			Bottom
09/02/15	2:38 PM	Edgewood Yacht Club	BAY	0.5	29.3	25.28	7.15	32.5	4.02	26.7	110	1630	547	316	*	15.05	2.585	Surface
09/02/15	2:38 PM	Edgewood Yacht Club	BAY	0.5	29.3	25.28	7.15	28.8	3.01	27.7	101	1620	581	301	*	34.96	3.752	Surface Duplicate
09/02/15	2:49 PM	Edgewood Yacht Club	BAY	n/a	n/a	n/a	n/a	29.9	3.67	108	120	1640	559	351	*			Bottom
09/02/15	2:17 PM	Pomham Rocks	BAY	0.5	29.06	25.14	7.12	53.3	5.2	11.3	125	1590	631	331	*	34.72	4.252	Surface
09/02/15	2:24 PM	Pomham Rocks	BAY	n/a	n/a	n/a	n/a	24.6	2.83	107	113	1590	537	354	*			Bottom
09/02/15	1:41 PM	India Point Park	BAY	0.5	28.51	25.62	7.02	61.7	8.07	117	158	1600	742	403	*	18.33	4.181	Surface
09/02/15	1:50 PM	India Point Park	BAY	n/a	n/a	n/a	n/a	56.5	7.72	152	160	1630	581	471	*			Bottom
09/02/15	9:22 AM	Bullock's Reach	BAY	0.5	30.34	24.43	7.09	13	2	28	81.7	1440	502	296	*	9.448	3.005	Surface
09/02/15	9:29 AM	Bullock's Reach	BAY	n/a	n/a	n/a	n/a	7.58	1.9	37.7	70.4	1360	425	261	*			Bottom
09/02/15	1:12 PM	Pawtuxet Red Can	BAY	0.5	24.1	25.29	7.04	129	3.58	<7	79.2	1690	830	406	*	37.81	5.422	Surface
09/02/15	1:18 PM	Pawtuxet Red Can	BAY	n/a	n/a	n/a	n/a	33	4.57	72.4	120	1690	601	354	*			Bottom
09/02/15	8:30 AM	Edgewood Shoals	BAY	0.5	29.46	24.33	6.98									15.46	4.408	Surface
09/02/15	9:33 AM	Phillipsdale Landing	BAY	0.5	n/a	24.97	6.78	157	18.3	268	232	1630	946	728	*	5.678	4.133	Surface
09/02/15	9:46 AM	Phillipsdale Landing	BAY	n/a	n/a	24.94	6.92	142	18.1	266	230	1650	937	629	*			Bottom
09/02/15	8:34 AM	Edgewood Shoals	BAY	n/a	n/a	n/a	n/a									5.809	2.797	Bottom
09/16/15	8:42 AM	Conimicut Point	BAY	0.5	28.64	22.19	7.44	77.3	7.81	203	116	1470	704	474	*	7.386	2.481	Surface
09/16/15	2:36 PM	Edgewood Yacht Club	BAY	0.5	28.15	23.97	7.36	118	9.74	182	141	1160	719	583	*	14.78	3.339	Surface
09/16/15	9:54 AM	Pomham Rocks	BAY	0.5	27.89	22.51	7.37	147	10.1	250	161	1140	856	525	*	5.61	1.705	Surface
09/16/15	2:17 PM	India Point Park	BAY	0.5	25.68	23.85	7.12	190	15.1	325	182	1210	658	855	*	3.135	1.24	Surface
09/16/15	9:04 AM	Bullock's Reach	BAY	0.5	28.1	21.69	7.40	93.9	8.18	213	124	1410	601	516	*	5.262	2.132	Surface
09/16/15	9:04 AM	Bullock's Reach	BAY	0.5	28.1	21.69	7.40	90.7	8.28	212	123	1390	662	386	*	6.212	2.281	Surface Duplicate
09/16/15	9:34 AM	Pawtuxet @ Red Can	BAY	0.5	9.48	21.71	7.02	376	7.32	222	67.2	1370	889	771	*	3.664	2.508	Surface
09/16/15	12:31 PM	Edgewood Shoals	BAY	0.5	27.99	22.46	7.39	102	9.93	205	149	1520	527	438	*	9.432	2.338	Surface
09/16/15	12:38 PM	Edgewood Shoals	BAY	n/a	n/a	n/a	n/a	44.8	7.04	238	119	1080	663	256	*			Bottom
09/16/15	1:18 PM	Phillipsdale Landing	BAY	0.5	18.06	24.80	7.07	446	12.9	375	264	1640	771	1150	*	9.696	1.787	Surface
09/30/15	12:47 PM	Phillipsdale Landing	BAY	0.5	18.05	21.50	7.35	302	14	323	221	1230	1480	901	*	19.8	4.64	Surface
09/30/15	12:50 PM	Phillipsdale Landing	BAY	2.84	24.97	21.05	7.28	192	14.6	251	169	1260	973	757	*			Bottom
10/15/15	9:31 AM	Conimicut Point	BAY	0.5	n/a	16.62	7.52	139	9.73	69.4	81.9	883	691	458	*	6.062	1.717	Surface; no salinity data
10/15/15	9:40 AM	Conimicut Point	BAY	n/a	n/a	n/a	n/a	58.1	6.53	34.1	54.5	729	513	210	*			Surface; no salinity data
10/15/15	2:00 PM	Edgewood Yacht Club	BAY	0.5	n/a	17.70	7.40	157	11.5	118	103	996	794	567	*	5.837	1.618	Surface; no salinity data
10/15/15	2:00 PM	Edgewood Yacht Club	BAY	0.5	n/a	17.70	7.40	154	11.5	116	103	971	729	487	*	5.096	1.497	Surface Duplicate; no salinity data
10/15/15	2:10 PM	Edgewood Yacht Club	BAY	n/a	n/a	n/a	n/a	97.9	9.96	76.9	80.5	908	663	347	*			Surface; no salinity data
10/15/15	1:35 PM	Pomham Rocks	BAY	0.5	n/a	17.43	7.32	164	11.4	121	106	971	764	471	*	6.122	1.369	Surface; no salinity data
10/15/15	1:45 PM	Pomham Rocks	BAY	n/a	n/a	n/a	n/a	65.9	8.67	67.2	62.7	839	549	287	*			Surface; no salinity data
10/15/15	1:10 PM	India Point Park	BAY	0.5	n/a	17.05	7.02	268	14	220	146	1110	957	704	*	2.589	1.236	Surface; no salinity data
10/15/15	1:15 PM	India Point Park	BAY	n/a	n/a	n/a	n/a	132	11.7	180	102	996	717	503	*			Surface; no salinity data
10/15/15	10:00 AM	Bullock's Reach	BAY	0.5	n/a	16.23	7.46	175	10.9	90.7	96.7	962	675	567	*	1.565	0.7521	Surface; no salinity data
10/15/15	10:10 AM	Bullock's Reach	BAY	n/a	n/a	n/a	n/a	59.8	6.98	25.5	54.4	746	410	209	*			Surface; no salinity data
10/15/15	9:03 AM	Pawtuxet Red Can	BAY	0.5	n/a	14.87	7.05	809	16.8	216	81.6	2230	1500	1280	*	1.911	1.191	Surface; no salinity data
10/15/15	9:05 AM	Pawtuxet Red Can	BAY	n/a	n/a	n/a	n/a	165	11.5	107	98.9	1010	743	465	*			Surface; no salinity data

Table 30. River and Bay Nutrients Data

								NUTRIENT PARAMETERS							TSS AND CHLOROPHYLL PARAMETERS			
Collection Date	Collection Time	Station	Waterbody	Depth (meters)	Salinity (ppt)	Temp (°C)	pH	NO3+NO2 (ppb)	Nitrite (ppb)	NH3 (ppb)	Ortho-Phosphate (ppb)	Silicate (ppb)	Total Nitrogen (ppb)	Total Dissolved Nitrogen (ppb)	TSS* (ppm)	Chl a (ug/L)	Phaeophytin (ug/L)	COMMENTS
10/15/15	8:42 AM	Edgewood Shoals	BAY	0.5	n/a	16.67	7.35									1.982	1.089	Surface; no salinity data
10/15/15	8:50 AM	Edgewood Shoals	BAY	n/a	n/a	n/a	n/a									10.68	2.091	Surface; no salinity data
10/15/15	2:00 PM	Phillipsdale Landing	BAY	0.56	19.2	17.14	7.00	483	15.6	230	420	1480	1270	1010	*	2.552	6.918	surface
10/15/15	2:05 PM	Phillipsdale Landing	BAY	2.02	27.23	17.08	7.26	164	14.8	198	124	1050	1670	523	*			bottom
10/28/15	9:10 AM	Conimicut Point	BAY	0.5	29.51	12.70	7.70	45	4.4	62.7	65.3	668	400	381	*	1.576	1.12	Surface
10/28/15	2:30 PM	Edgewood Yacht Club	BAY	0.5	27.59	13.55	7.68	129	5.72	82	102	700	662	401	*	1.551	0.6501	Surface
10/28/15	2:00 PM	Pomham Rocks	BAY	0.5	28.65	13.82	7.69	95.2	5.1	84.4	73.9	681	514	372	*	2.133	0.9604	Surface
10/28/15	1:35 PM	India Point Park	BAY	0.5	24.35	13.55	7.59	202	7.76	82.4	99.1	785	605	579	*	1.786	2.095	Surface
10/28/15	9:35 AM	Bullock's Reach	BAY	0.5	30.1	13.04	7.73	48.3	3.7	49.6	58	652	409	320	*	1.287	0.9042	Surface
10/28/15	9:35 AM	Bullock's Reach	BAY	0.5	30.1	13.04	7.73	49.6	4.69	50.5	57.4	559	375	320	*	1.673	0.8044	Surface Duplicate
10/28/15	2:15 PM	Pawtuxet Red Can	BAY	0.5	10.37	12.47	7.21	848	24	98.7	63.4	1950	1410	1260	*	0.9634	1.081	Surface
10/28/15	8:38 AM	Edgewood Shoals	BAY	0.5	27.34	13.03	7.57	135	6.07	99.6	102	779	587	481	*	2.198	1.543	Surface
10/28/15	8:40 AM	Edgewoos Shoals	BAY	0.5	27.34	13.03	7.57	76.3	5.47	81.1	74.6	634	512	361	*	2.427	1.881	Surface
10/28/15	1:15 PM	Phillipsdale Landing	BAY	0.5	23.3	13.64	7.65	207	9.62	43.9	112	780	791	474	*	16.64	3.729	Surface
11/12/15	2:45 PM	Phillipsdale Landing	BAY	0.82	24.87	12.12	7.27	271	11.5	135	113	1000	940	543	*	21.67	26.9	Surface
11/12/15	12:55 PM	India Point Park	BAY	0.5	23	12.79	7.77	143	7.12	128	84.1	891	785	644	*	12.8	3.268	Surface
11/12/15	9:25 AM	Bullock's Reach	BAY	0.5	26.52	12.21	7.66	245	7.3	108	67.6	992	651	509	*	5.809	3.898	Surface
11/12/15	1:50 PM	Edgewood Yacht Club	BAY	0.5	28.61	13.13	7.84	71.2	7.18	108	75.3	666	518	292	*	5.58	2.791	Surface
11/12/15	10:15 AM	Edgewood Shoals	BAY	0.5	28.56	13.06	7.66									5.273	3.403	Surface
11/12/15	1:50 PM	Edgewood Yacht Club	BAY	0.5	28.61	13.13	7.84	105	5.09	108	68.9	526	532	366	*	3.871	2.005	Surface Duplicate
11/12/15	1:30 PM	Pomham Rocks	BAY	0.5	29	13.15	7.85	62.9	5.09	99.3	58.6	646	467	228	*	3.185	2.185	Surface
11/12/15	9:55 AM	Pawtuxet @ Red Can	BAY	0.5	11.03	12.86	7.53	269	10.8	161	77.7	1110	735	450	*	3.121	3.402	Surface
11/12/15	9:00 AM	Conimicut Point	BAY	0.5	27.93	12.02	7.61	131	6.66	106	68.1	853	555	477	*	2.988	2.191	Surface
11/12/15	9:03 AM	Conimicut Point	BAY	n/a	n/a	n/a	n/a	62.6	3.19	50.7	43.9	535	482	355	*			Bottom
11/12/15	1:55 PM	Edgewood Yacht Club	BAY	n/a	n/a	n/a	n/a	76	6.5	118	68.1	500	489	284	*			Bottom
11/12/15	1:35 PM	Pomham Rocks	BAY	n/a	n/a	n/a	n/a	66.5	4.6	95.7	54.3	685	454	307	*			Bottom
11/12/15	1:00 PM	India Point Park	BAY	n/a	n/a	n/a	n/a	104	6.47	115	71.2	806	543	361	*			Bottom
11/12/15	9:30 AM	Bullock's Reach	BAY	n/a	n/a	n/a	n/a	52.8	3	60.3	42.7	452	458	215	*			Bottom
11/12/15	10:00 AM	Pawtuxet @ Red Can	BAY	n/a	n/a	n/a	n/a	190	7.55	121	70.7	862	705	574	*			Bottom
11/12/15	10:20 AM	Edgewood Shoals	BAY	n/a	n/a	n/a	n/a									4.513	3.891	Bottom
11/12/15	2:48 PM	Phillipsdale Landing	BAY	2.05	26.26	12.34	7.03	222	11.3	140	104	962	1160	589	*			Bottom
11/25/15	1:15 PM	Phillipsdale Landing	BAY	0.5	18.01	9.91	8.07	429	10.9	26.3	101	1340	1110	638	*	34	3.579	Surface
11/25/15	2:10 PM	Edgewood Shoals	BAY	n/a	n/a	n/a	n/a	118	8.12	111	62.2	752	548	358	*	4.912	4.626	Surface
11/25/15	1:45 PM	India Point Park	BAY	0.5	22.8	9.70	7.80	280	10	77.9	74.3	1050	660	531	*	2.8	2.42	Surface
11/25/15	10:30 AM	Edgewood Yacht Club	BAY	0.5	27.76	9.31	7.79	176	8.65	98.3	68.3	829	543	437	*	1.3	<0	Surface
11/25/15	10:15 AM	Pomham Rocks	BAY	0.5	26.77	9.81	7.75	135	8.44	92.2	69	846	510	424	*	0.9	1.061	Surface
11/25/15	2:00 PM	Edgewood Shoals	BAY	0.5	27.16	9.63	7.87	184	8.99	98.4	65	850	548	415	*	0.8833	0.7613	Surface
11/25/15	9:15 AM	Conimicut Point	BAY	0.5	28.97	8.45	7.80	135	7.41	81.5	57.9	779	458	340	*	0.7815	0.8083	Surface
11/25/15	9:30 AM	Bullock's Reach	BAY	0.5	26.24	7.97	7.77	220	9.44	93.6	63.1	922	570	477	*	0.7727	0.8563	Surface
11/25/15	9:45 AM	Pawtuxet @ Red Can	BAY	0.5	10.3	7.42	7.40	988	8.53	114	31.2	2650	1360	1300	*	0.6916	1.005	Surface
11/25/15	9:30 AM	Bullock's Reach	BAY	0.5	26.24	7.97	7.77	221	9.09	97	64.7	934	589	473	*	0.6521	0.8745	Surface Duplicate
12/09/15	8:41 AM	Phillipsdale Landing	BAY	0.59	23.14	7.80	7.67	798	13.7	59.3	178	1380	1230	1060	*	1.16	1.777	Surface
12/09/15	9:00 AM	Pawtuxet @ Red Can	BAY	0.5	15.49	8.43	7.77	1000	11.6	116	41.7	2740	1130	1260	*	1.621	1.183	Surface
12/09/15	1:15 PM	India Point Park	BAY	0.5	26.61	7.71	7.61	358	11.6	65.9	92.6	925	678	587	*	4.419	1.252	Surface
12/09/15	8:30 AM	Edgewood Yacht Club	BAY	0.5	27.35	8.63	7.93	216	10.9	85.7	89.9	764	548	462	*	1.308	1.298	Surface
12/09/15	8:30 AM	Edgewood Yacht Club	BAY	0.5	27.35	8.63	7.93	217	11.3	85.4	90.2	775	542	535	*	1.336	1.14	Surface Duplicate
12/09/15	1:50 PM	Pomham Rocks	BAY	0.5	27.32	8.71	7.81	218	10.6	76.1	75	790	507	447	*	3.073	1.006	Surface
12/09/15	9:40 AM	Bullock's Reach	BAY	0.5	27.71	8.33	8.04	206	10.5	69.9	68.4	808	479	400	*	1.679	0.8792	Surface
12/09/15	9:25 AM	Conimicut Point	BAY	0.5	27.3	7.78	8.03	217	10.2	69.5	64.4	835	458	444	*	1.962	0.767	Surface

Table 30. River and Bay Nutrients Data

								NUTRIENT PARAMETERS							TSS AND CHLOROPHYLL PARAMETERS			
Collection Date	Collection Time	Station	Waterbody	Depth (meters)	Salinity (ppt)	Temp (°C)	pH	NO3+NO2 (ppb)	Nitrite (ppb)	NH3 (ppb)	Ortho-Phosphate (ppb)	Silicate (ppb)	Total Nitrogen (ppb)	Total Dissolved Nitrogen (ppb)	TSS* (ppm)	Chl a (ug/L)	Phaeophytin (ug/L)	COMMENTS
12/09/15	9:30 AM	Conimicut Point	BAY	n/a	n/a	n/a	n/a	89.3	7.94	46.2	46.1	598	372	257	*			Bottom
12/09/15	8:40 AM	Edgewood Yacht Club	BAY	n/a	n/a	n/a	n/a	115	9.59	81.5	60.3	566	421	350	*			Bottom
12/09/15	2:00 PM	Pomham Rocks	BAY	n/a	n/a	n/a	n/a	118	10	65.3	60	647	406	308	*			Bottom
12/09/15	1:20 PM	India Point Park	BAY	n/a	n/a	n/a	n/a	102	10.3	82.3	58.6	654	388	292	*			Bottom
12/09/15	9:38 AM	Bullock's Reach	BAY	n/a	n/a	n/a	n/a	93.8	8.37	51.8	51.7	619	341	256	*			Bottom
12/09/15	9:00 AM	Pawtuxet @ Red Can	BAY	n/a	n/a	n/a	n/a	207	10.1	79.3	68.9	874	519	493	*			Bottom
12/09/15	8:42 AM	Phillipsdale Landing	BAY	2.59	28.69	8.67	7.59	150	11.9	93.2	76.7	752	837	491	*			Bottom
12/22/15	8:50 AM	Conimicut Point	BAY	0.5	28.91	8.28	8.00	149	9.76	61	52.7	668	496	356	*	1.235	0.8377	Surface
12/22/15	9:46 AM	Edgewood Yacht Club	BAY	0.5	25.45	8.31	7.96	307	6.79	99.2	54.5	967	750	553	*	1.625	0.9256	Surface
12/22/15	10:16 AM	Pomham Rocks	BAY	0.5	25.42	8.77	7.96	290	9.68	103	70.3	950	709	534	*	2.059	1.906	Surface
12/22/15	12:45 PM	India Point Park	BAY	0.5	19.86	8.78	7.89	450	7.97	103	65.3	1180	560	740	*	1.22	1.897	Surface
12/22/15	9:06 AM	Bullock's Reach	BAY	0.5	25.95	8.01	7.99	305	13.7	86.4	66.6	1010	602	545	*	1.554	1.243	Surface
12/22/15	9:06 AM	Bullock's Reach	BAY	0.5	25.95	8.01	7.99	305	13.8	85.1	67.5	1020	556	511	*	1.593	1.466	Surface Duplicate
12/22/15	9:30 AM	Pawtuxet @ Red Can	BAY	0.5	10.12	8.06	7.72	1080	12.3	145	26.7	2760	774	1110	*	0.8963	1.389	Surface
12/22/15	10:00 AM	Edgewood Shoals	BAY	0.5	25.37	8.16	7.99	315	12.6	95.9	88.1	1010	370	568	*	1.468	1.197	Surface
12/22/15	10:05 AM	Edgewood Shoals	BAY	n/a	n/a	n/a	n/a	131	12.1	156	63.8	820	479	211	*			Bottom
12/22/15	1:07 PM	Phillipsdale Landing	BAY	0.5	9.47	8.46	7.69	848	9.02	110	76.1	1730	732	1120	*	11.56	6.982	Surface
RIVER																		
01/07/15	10:49 AM	Blackstone River @ Slater Dam	RIVER			1.10	7.24	668.00	22.60	158.00	5.57	2490.0	930.0	1030	*			
01/07/15	9:50 AM	Blackstone River @ Bikepath bridge @ Rt. 116	RIVER			1.10	7.22	666.00	28.20	180.00	10.40	2560.0	965.0	1100	*			
01/07/15	9:00 AM	Blackstone River @ Stateline	RIVER			0.76	7.26	557.00	16.30	119.00	5.91	2500.0	772.0	876	*			
01/07/15	2:41 PM	Pawtuxet River @ Broad Street	RIVER			1.21	7.38	1590.00	9.32	195.00	34.30	2870.0	2080.0	2000	*			
01/07/15	12:48 PM	Woonasquatucket @ Valley Street	RIVER			1.61	7.29	535.00	2.03	8.45	<5.0	2210.0	657.0	761	*			
01/07/15	12:48 PM	Woonasquatucket @ Valley Street	RIVER			1.61	7.29	558.00	1.82	8.71	<5.0	1810.0	658.0	774	*			Duplicate
01/07/15	1:18 PM	Moshassuck @ Mill Street Bridge	RIVER			1.53	7.27	674.00	5.01	108.00	<5.0	3580.0	845.0	991	*			
01/07/15	10:14 AM	Warren Resovoir/Kickemuit River	RIVER			0.90	6.25	558.00	5.73	82.80	12.00	1010.0	1100.0	1150	*			
01/07/15	9:50 AM	Coles River @ Milford Rd	RIVER			1.29	6.60	317.00	2.45	18.70	10.70	923.0	620.0	671	*			
01/07/15	10:36 AM	Palmer River @ Rt. 6	RIVER			0.53	6.98	343.00	3.14	45.20	16.00	2040.0	687.0	714	*			
01/07/15	10:52 AM	Runnins River @ River Rd. on RI Mass Border	RIVER			0.24	7.30	706.00	5.64	58.20	6.24	2880.0	990.0	1070	*			
01/07/15	8:45 AM	Taunton River @ Berkley Bridge	RIVER			0.53	6.89	587.00	8.92	60.80	17.30	1060.0	866.0	942	*			
01/07/15	8:45 AM	Taunton River @ Berkley Bridge	RIVER			0.53	6.89	584.00	8.83	63.50	17.90	1220.0	938.0	955	*			Duplicate
01/07/15	12:52 PM	Ten Mile @ Outlet Of Omega Pond	RIVER			1.49	7.12	1740.00	6.85	31.50	17.00	3060.0	2110.0	2130	*			
01/07/15	1:36 PM	Ten Mile @ Central Ave.	RIVER			1.44	6.90	1740.00	4.27	53.00	20.40	2850.0	2140.0	2170	*			
01/21/15	10:44 AM	Blackstone River @ Slater Dam	RIVER			1.35	7.10	742.00	24.30	147.00	21.50	2430.0	1190.0	1120	*			
01/21/15	10:08 AM	Blackstone River @ Bikepath bridge @ Rt. 116	RIVER			1.29	7.20	761.00	23.10	203.00	45.00	2620.0	1210.0	1160	*			
01/21/15	8:40 AM	Blackstone River @ Stateline	RIVER			0.85	6.88	609.00	25.10	213.00	8.28	2520.0	1030.0	967	*			
01/21/15	3:01 PM	Pawtuxet River @ Broad Street	RIVER			2.64	7.01	1730.00	12.90	192.00	14.90	3050.0	2190.0	2080	*			
01/21/15	1:08 PM	Woonasquatucket @ Valley Street	RIVER			2.57	7.11	604.00	2.27	<7.0	<5.0	2240.0	771.0	842	*			
01/21/15	1:08 PM	Woonasquatucket @ Valley Street	RIVER			2.57	7.11	610.00	2.43	<7.0	<5.0	2070.0	765.0	766	*			Duplicate
01/21/15	12:50 PM	Woonasquatucket @ Manton Ave	RIVER			2.76	7.09	557.00	2.73	15.90	<5.0	2240.0	748.0	733	*			
01/21/15	1:36 PM	Moshassuck @ Mill Street Bridge	RIVER			2.71	6.99	751.00	5.84	74.10	<5.0	3270.0	933.0	1020	*			
01/21/15	1:40 PM	Warren Resovoir/Kickemuit River	RIVER			2.88	7.33	693.00	6.15	36.30	6.79	2090.0	1020.0	1000	*			
01/21/15	2:15 PM	Coles River @ Milford Rd	RIVER			3.03	6.92	458.00	2.20	8.60	8.82	2010.0	756.0	729	*			
01/21/15	1:15 PM	Palmer River @ Rt. 6	RIVER			0.79	7.03	586.00	3.09	65.80	10.30	2860.0	998.0	866	*			
01/21/15	12:55 PM	Runnins River @ River Rd. on RI Mass Border	RIVER			1.23	7.47	959.00	11.50	90.60	5.31	3700.0	1240.0	1290	*			
01/21/15	8:50 AM	Taunton River @ Berkley Bridge	RIVER			1.65	6.46	857.00	12.00	103.00	24.70	3130.0	1330.0	1100	*			
01/21/15	8:50 AM	Taunton River @ Berkley Bridge	RIVER			1.65	6.46	851.00	11.30	89.60	24.70	2970.0	1360.0	1080	*			Duplicate
01/21/15	11:00 AM	Ten Mile @ Outlet Of Omega Pond	RIVER			2.06	6.80	656.00	16.20	208.00	75.00	2140.0	1240.0	1040	*			
01/21/15	10:00 AM	Ten Mile @ Central Ave.	RIVER			2.27	7.22	1870.00	6.27	70.60	16.30	3180.0	2210.0	1970	*			

Table 30. River and Bay Nutrients Data

								NUTRIENT PARAMETERS							TSS AND CHLOROPHYLL PARAMETERS			
Collection Date	Collection Time	Station	Waterbody	Depth (meters)	Salinity (ppt)	Temp (°C)	pH	NO3+NO2 (ppb)	Nitrite (ppb)	NH3 (ppb)	Ortho-Phosphate (ppb)	Silicate (ppb)	Total Nitrogen (ppb)	Total Dissolved Nitrogen (ppb)	TSS* (ppm)	Chl a (ug/L)	Phaeophytin (ug/L)	COMMENTS
02/04/15	8:45 AM	Blackstone River @ Slater Dam	RIVER			0.06	7.04	938.00	24.10	278.00	63.00	2850.0	1510.0	1380	*			
02/04/15	10:36 AM	Blackstone River @ Bikepath bridge @ Rt. 116	RIVER			0.08	7.35	949.00	25.70	283.00	26.60	2820.0	1490.0	1380	*			
02/04/15	2:45 PM	Pawtuxet River @ Broad Street	RIVER			1.22	7.05	1380.00	40.40	427.00	20.40	2460.0	2140.0	1990	*			
02/04/15	1:11 PM	Woonasquatucket @ Valley Street	RIVER			1.01	7.52	1100.00	5.63	32.80	<5.0	1990.0	1400.0	1260	*			
02/04/15	1:11 PM	Woonasquatucket @ Valley Street	RIVER			1.01	7.52	1110.00	4.49	35.40	<5.0	2190.0	1380.0	1250	*			Duplicate
02/04/15	12:28 PM	Moshassuck @ Mill Street Bridge	RIVER			1.01	7.25	756.00	8.90	114.00	<5.0	2530.0	1070.0	971	*			
02/04/15	12:42 PM	Warren Resovoir/Kickemuit River	RIVER			0.79	7.02	730.00	7.22	139.00	6.87	868.0	1260.0	1200	*			
02/04/15	10:26 AM	Coles River @ Milford Rd	RIVER			1.11	7.65	467.00	4.52	40.40	12.30	957.0	900.0	788	*			
02/04/15	9:19 AM	Taunton River @ Berkley Bridge	RIVER			0.76	6.58	567.00	8.91	80.30	18.20	2490.0	992.0	815	*			
02/04/15	9:19 AM	Taunton River @ Berkley Bridge	RIVER			0.76	6.58	572.00	9.06	65.50	18.30	2130.0	1100.0	817	*			Duplicate
02/18/15	8:22 AM	Blackstone River @ Slater Dam	RIVER			0.54	6.96	1130.00	23.10	322.00	96.40	3120.0	1710.0	1610	*			
02/18/15	10:32 AM	Pawtuxet River @ Broad Street	RIVER			0.51	7.03	1420.00	23.50	403.00	19.90	3470.0	2070.0	1960	*			
02/18/15	10:32 AM	Pawtuxet River @ Broad Street	RIVER			0.51	7.03	1400.00	25.40	399.00	21.00	3610.0	2050.0	1940	*			Duplicate
02/18/15	1:14 PM	Woonasquatucket @ Valley Street	RIVER			0.81	7.14	980.00	4.17	42.70	<5.0	2470.0	1190.0	1220	*			
02/18/15	12:53 PM	Woonasquatucket @ Manton Ave	RIVER			0.57	7.12	882.00	5.89	56.00	<5.0	2530.0	1070.0	1060	*			
02/18/15	1:35 PM	Moshassuck @ Mill Street Bridge	RIVER			0.47	6.98	756.00	9.97	144.00	<5.0	3540.0	1050.0	1040	*			
03/04/15	10:00 AM	Blackstone River @ Bikepath bridge @ Rt. 116	RIVER			0.93	7.11	1110.00	23.90	202.00	136.00	2940.0	1710.0	1580	*			
03/04/15	1:45 PM	Pawtuxet River @ Broad Street	RIVER			3.22	7.13	1480.00	24.00	645.00	28.10	2840.0	2690.0	2250	*			
03/04/15	12:50 PM	Woonasquatucket @ Valley Street	RIVER			2.75	7.43	849.00	9.22	73.80	<5.0	1800.0	1200.0	1080	*			
03/04/15	12:50 PM	Woonasquatucket @ Valley Street	RIVER			2.75	7.43	855.00	9.76	74.40	<5.0	2280.0	1110.0	1090	*			Duplicate
03/04/15	11:00 AM	Moshassuck @ Mill Street Bridge	RIVER			2.81	7.18	675	18.4	229	<5.0	2210	1170	1180	*			
03/04/15	10:29 AM	Warren Resovoir/Kickemuit River	RIVER			0.63	7.02	811	9.12	212	8.34	1110	1270	1280	*			
03/04/15	10:11 AM	Coles River @ Milford Rd	RIVER			0.71	6.52	438	2.64	62.8	13.3	812	740	788	*			
03/04/15	11:08 AM	Runnins River @ River Rd. on RI Mass Border	RIVER			0.79	6.84	881	13.4	143	7.12	1900	1230	1250	*			
03/17/15	10:30 AM	Blackstone River @ Slater Dam	RIVER			3.25	7.91	622	15.5	352	8.52	2610	1250	1160	*			
03/17/15	10:00 AM	Blackstone River @ Bikepath bridge @ Rt. 116	RIVER			2.30	7.68	603	16.2	341	23.1	2330	1310	1150	*			
03/17/15	9:00 AM	Blackstone River @ Stateline	RIVER			2.29	7.88	548	15.4	289	5.04	2290	1080	1050	*			
03/17/15	2:00 PM	Pawtuxet River @ Broad Street	RIVER					1150	24.2	493	15	2880	1940	1810	*			
03/17/15	1:00 PM	Woonasquatucket @ Valley Street	RIVER			2.38	7.89	654	4.43	65.3	<5.0	2640	1000	910	*			
03/17/15	1:00 PM	Woonasquatucket @ Valley Street	RIVER			2.38	7.89	637	4.62	66.5	<5.0	2180	938	853	*			Duplicate
03/17/15	12:40 PM	Woonasquatucket @ Manton Ave	RIVER			2.96	7.86	611	5.19	75.5	<5.0	2240	834	876	*			
03/17/15	1:25 PM	Moshassuck @ Mill Street Bridge	RIVER			2.80	7.98	700	10.4	94	<5.0	2370	1050	994	*			
04/01/15	10:40 AM	Blackstone River @ Slater Dam	RIVER			4.22	7.52	590	19.3	198	8.23	2290	1040	895	*			
04/01/15	9:55 AM	Blackstone River @ Bikepath bridge @ Rt. 116	RIVER			3.85	6.34	573	21	203	11.2	2440	970	837	*			
04/01/15	9:00 AM	Blackstone River @ Stateline	RIVER			3.73	7.89	482	10.5	182	5.1	2090	893	789	*			
04/01/15	2:36 AM	Pawtuxet River @ Broad Street	RIVER			6.88	7.32	1110	19.6	234	11.4	2690	1580	1480	*			
04/01/15	1:20 PM	Woonasquatucket @ Valley Street	RIVER			4.23	7.61	617	3.56	35.9	<5.00	2500	924	751	*			
04/01/15	1:20 PM	Woonasquatucket @ Valley Street	RIVER			4.23	7.61	613	3.14	36.1	<5.00	2500	816	729	*			Duplicate
04/01/15	1:40 PM	Moshassuck @ Mill Street Bridge	RIVER			3.87	7.09	730	4.59	36.3	<5.00	2820	973	858	*			
04/01/15	10:10 AM	Moshassuck @ Higginson Ave, S-1	RIVER			3.86	7.19	639	2.85	17.9	<5.00	2480	828	752	*			
04/01/15	10:24 AM	Warren Resovoir/Kickemuit River	RIVER			3.85	6.83	459	4.36	<7.0	7.61	948	933	766	*			
04/01/15	10:04 AM	Coles River @ Milford Rd	RIVER			3.83	6.25	278	2.6	24.6	16.5	416	674	500	*			
04/01/15	10:38 AM	Palmer River @ Rt. 6	RIVER			4.19	6.22	355	2.54	25.6	8.71	700	681	722	*			
04/01/15	11:04 AM	Runnins River @ River Rd. on RI Mass Border	RIVER			3.72	6.63	635	5.82	<7.0	6.74	1900	915	848	*			
04/01/15	8:43 AM	Taunton River @ Berkley Bridge	RIVER			3.14	7.10	441	10.3	141	9.96	1160	885	794	*			
04/01/15	8:43 AM	Taunton River @ Berkley Bridge	RIVER			3.14	7.10	440	10.5	138	10.1	869	894	798	*			Duplciate
04/01/15	2:47 PM	Ten Mile @ Outlet Of Omega Pond	RIVER			5.10	7.08	1080	9.08	50.9	6.91	1830	1380	1310	*			
04/01/15	1:07 PM	Ten Mile @ Central Ave.	RIVER			6.06	6.71	1310	11.6	98	8.94	2040	1620	1560	*			
04/15/15	9:06 AM	Blackstone River @ Slater Dam	RIVER			11.47	7.51	565	27.1	209	6.36	1840	1040	1010	*			

								NUTRIENT PARAMETERS							TSS AND CHLOROPHYLL PARAMETERS			
Collection Date	Collection Time	Station	Waterbody	Depth (meters)	Salinity (ppt)	Temp (°C)	pH	NO3+NO2 (ppb)	Nitrite (ppb)	NH3 (ppb)	Ortho-Phosphate (ppb)	Silicate (ppb)	Total Nitrogen (ppb)	Total Dissolved Nitrogen (ppb)	TSS* (ppm)	Chl a (ug/L)	Phaeophytin (ug/L)	COMMENTS
04/15/15	2:54 PM	Pawtuxet River @ Broad Street	RIVER			11.62	7.42	711	7.58	21.3	10.6	2000	964	965	*			
04/15/15	2:54 PM	Pawtuxet River @ Broad Street	RIVER			11.62	7.42	709	7.17	27	10.1	2100	990	937	*			Duplicate
04/15/15	1:28 PM	Woonasquatucket @ Valley Street	RIVER			12.03	7.14	514	2.88	7.51	<5.00	2140	728	689	*			
04/15/15	12:46 PM	Woonasquatucket @ Manton Ave	RIVER			11.34	7.28	485	2.98	13.3	<5.00	1950	649	655	*			
04/15/15	1:57 PM	Moshassuck @ Mill Street Bridge	RIVER			13.15	7.22	544	6.65	38.8	<5.00	2340	735	808	*			
04/15/15	8:34 AM	Moshassuck @ Higginson Ave, S-1	RIVER			11.40	7.70	382	3.17	15.8	5.33	1850	534	635	*			
04/15/15	11:03 AM	Ten Mile @ Outlet Of Omega Pond	RIVER			12.88	8.04	1230	12	<7.0	5.46	1670	1600	1440	*			
04/29/15	8:22 AM	Blackstone River @ Slater Dam	RIVER			12.08	8.03	588	23.5	237	21.2	1780	1040	1060	*			
04/29/15	10:30 AM	Blackstone River @ Stateline	RIVER			12.19	7.25	562	17.4	23	5.49	1700	782	809	*			
04/29/15	9:17 AM	Blackstone River @ Bikepath bridge @ Rt. 116	RIVER			12.07	7.54	565	22.9	433	34.1	1810	1350	1260	*			
04/29/15	2:42 PM	Pawtuxet River @ Broad Street	RIVER			13.02	7.28	668	9.16	10.1	8.55	1990	890	927	*			
04/29/15	2:42 PM	Pawtuxet River @ Broad Street	RIVER			13.02	7.28	657	8.54	13	7.81	1850	851	919	*			Duplicate
04/29/15	1:54 PM	Woonasquatucket @ Valley Street	RIVER			13.90	7.25	622	3.09	<7.0	<5.00	1920	750	879	*			
04/29/15	12:54 PM	Moshassuck @ Higginson Ave, S-1	RIVER			13.48	7.38	455	4.44	29.9	<5.00	1890	655	689	*			
04/29/15	1:24 PM	Moshassuck @ Mill Street Bridge	RIVER			13.48	7.63	270	3.63	12.9	<5.00	1750	447	465	*			
04/29/15	10:15 AM	Warren Resovoir/Kickemuit River	RIVER			15.03	6.46	222	5.95	80.7	8.52	655	1050	739	*			
04/29/15	9:47 AM	Coles River @ Milford Rd	RIVER			13.01	6.96	77.8	2.27	<7.0	6.1	161	606	568	*			
04/29/15	10:43 AM	Palmer River @ Rt. 6	RIVER			12.91	6.70	230	3.7	<7.0	8.03	783	674	728	*			
04/29/15	12:38 PM	Runnins River @ River Rd. on RI Mass Border	RIVER			12.97	7.13	537	2.86	<7.0	<5.00	1040	800	955	*			
04/29/15	8:50 AM	Taunton River @ Berkley Bridge	RIVER			12.16	6.89	509	18	267	5.94	859	1010	1060	*			
04/29/15	1:12 PM	Ten Mile @ Outlet Of Omega Pond	RIVER			14.12	7.50	598	7.81	<7.0	<5.00	601	1130	1160	*			
04/29/15	1:43 PM	Ten Mile @ Central Ave.	RIVER			13.83	7.16	1390	11	<7.0	5.2	1320	1570	1620	*			
04/29/15	1:43 PM	Ten Mile @ Central Ave.	RIVER			13.83	7.16	1370	11.2	<7.0	<5.00	1290	1540	1610	*			Duplicate
05/13/15	9:25 AM	Blackstone @ Slater Dam	RIVER			20.39	7.29	1100	132	420	20.7	1500	1810	1790	*			
05/13/15	9:25 AM	Blackstone @ Slater Dam	RIVER			20.39	7.29	1080	135	403	21.5	1560	1910	1770	*			Duplicate
05/13/15	3:02 PM	Pawtuxet @ Broad St.	RIVER			20.58	7.26	805	9.84	<7.0	22.5	2000	1280	1120	*			
05/13/15	1:47 PM	Woonasquatucket @ Valley St.	RIVER			20.63	7.40	571	4.26	<7.0	<5.00	1370	1020	796	*			
05/13/15	1:10 PM	Woonasquatucket @ Manton Ave.	RIVER			20.89	7.41	488	6.44	23.7	<5.00	1250	711	759	*			
05/13/15	2:05 PM	Moshassuck @ Mill St.	RIVER			18.15	7.33	470	9.24	115	<5.00	2260	768	818	*			
05/13/15	8:16 AM	Moshassuck @ Higginson Ave.	RIVER			19.25	7.35	122	4.98	74.8	<5.00	1220	412	625	*			
05/13/15	12:41 PM	Ten Mile @ Outlet of Omega Pond	RIVER			19.95	7.83	690	9.76	<7.0	<5.00	140	1310	993	*			
05/27/15	8:32 AM	Blackstone @ Slater Dam	RIVER			20.31	7.64	1280	75.5	127	6.23	1570	1850	1710	*			
05/27/15	9:00 AM	Taunton River @ Berkley Bridge	RIVER			19.65	7.95	1130	13.8	<7	51.3	1450	1710	1410	*			
05/27/15	9:30 AM	Blackstone @ Bikepath bridge Rt. 116	RIVER			19.94	7.60	919	58	406	5.34	1720	2120	1890	*			
05/27/15	10:15 AM	Ten Mile @ Central Ave.	RIVER			19.42	7.61	1360	22.3	121	8.65	2120	1700	1810	*			
05/27/15	10:20 AM	Blackstone @ Stateline	RIVER			20.56	7.45	996	16.1	24.3	11.2	1820	1340	1340	*			
05/27/15	11:15 AM	Moshassuck @ Higginson Ave.	RIVER			20.47	7.30	184	7.81	46.8	9.07	1980	417	468	*			
05/27/15	12:22 PM	Woonasquatucket @ Manton Ave.	RIVER			21.76	7.29	602	7.37	54.2	<5.00	1460	872	852	*			
05/27/15	12:45 PM	Woonasquatucket @ Valley St.	RIVER			21.56	7.26	1460	8.23	33.3	<5.00	1760	997	908	*			
05/27/15	12:55 PM	Warren Reservoir/Kickemuit River	RIVER			23.82	7.42	<6	1.91	102	27.1	819	837	712	*			
05/27/15	1:30 PM	Pawtuxet @ Broad St.	RIVER			20.85	7.12	1160	22.9	93.5	41.5	2160	1560	1510	*			
05/27/15	1:30 PM	Pawtuxet @ Broad St.	RIVER			20.85	7.12	1180	21.9	103	42.6	2220	1590	1510	*			Duplicate
05/27/15	1:32 PM	Coles River @ Milford Rd	RIVER			19.63	7.08	99.4	3.82	53	11.9	814	675	740	*			
05/27/15	1:57 PM	Runnins River @ River Rd.	RIVER			19.71	6.81	602	13.8	17.5	<5.00	1830	821	878	*			
05/27/15	2:18 PM	Palmer River @ Rt. 6	RIVER			22.94	7.86	<6	<1.5	<7	<5.00	685	794	384	*			
05/27/15	3:00 PM	Ten Mile @ Outlet of Omega Pond	RIVER			21.88	7.70	577	17.2	<7	7.01	710	1410	1040	*			
05/27/15	3:00 PM	Ten Mile @ Outlet of Omega Pond	RIVER			21.88	7.70	573	16.9	17.3	10.1	718	1150	994	*			Duplicate
06/10/15	9:10 AM	Blackstone @ Slater Dam	RIVER			19.67	7.92	152	5	55.8	18	1700	535	445	*			
06/10/15	9:10 AM	Blackstone @ Slater Dam	RIVER			19.67	7.92	576	13.8	84.8	17.5	2920	810	893	*			Duplicate

Table 30. River and Bay Nutrients Data

								NUTRIENT PARAMETERS							TSS AND CHLOROPHYLL PARAMETERS			
Collection Date	Collection Time	Station	Waterbody	Depth (meters)	Salinity (ppt)	Temp (°C)	pH	NO3+NO2 (ppb)	Nitrite (ppb)	NH3 (ppb)	Ortho-Phosphate (ppb)	Silicate (ppb)	Total Nitrogen (ppb)	Total Dissolved Nitrogen (ppb)	TSS* (ppm)	Chl a (ug/L)	Phaeophytin (ug/L)	COMMENTS
06/10/15	2:45 PM	Pawtuxet @ Broad St.	RIVER			19.98	8.16	530	5.95	61.1	22.8	1380	854	795	*			
06/10/15	11:00 AM	Woonasquatucket @ Valley St.	RIVER			19.87	7.27	634	5.89	16.8	<5.00	1520	875	843	*			
06/10/15	10:35 AM	Woonasquatucket @ Manton Ave.	RIVER			20.25	7.44	450	12.7	17.7	<5.00	801	1160	771	*			
06/10/15	11:28 AM	Moshassuck @ Mill St.	RIVER			18.42	7.24	564	8.47	<7	<5.00	1480	1190	886	*			
06/10/15	8:25 AM	Moshassuck @ Higginson Ave.	RIVER			19.69	7.32	733	13.9	60.1	7.42	2200	1200	1060	*			
06/10/15	2:10 PM	Ten Mile River @ Outlet of Omega Pond	RIVER			19.68	8.04	736	13.9	55.2	10.9	2130	1180	1040	*			
06/24/15	8:30 AM	Blackstone @ Slater Dam	RIVER			22.91	7.36	483	8.47	51.1	33.8	1640	797	799	*			
06/24/15	10:45 AM	Blackstone @ Stateline	RIVER			23.02	7.22	414	6.72	10.1	24.5	1850	838	694	*			
06/24/15	9:35 AM	Blackstone @ Bikepath bridge Rt. 116	RIVER			23.20	7.33	499	9.58	38.7	30.4	1700	840	818	*			
06/24/15	2:55 PM	Pawtuxet @ Broad St.	RIVER			20.42	6.59	668	9.77	52.9	22.9	1880	1010	958	*			
06/24/15	2:55 PM	Pawtuxet @ Broad St.	RIVER			20.42	6.59	667	9.73	51.9	23	1990	940	960	*			Duplicate
06/24/15	1:35 PM	Woonasquatucket @ Valley St.	RIVER			24.13	7.39	417	4.9	25	6.29	1460	606	630	*			
06/24/15	12:45 PM	Woonasquatucket @ Manton Ave.	RIVER			24.60	7.35	325	4.99	40.8	6.42	1370	561	586	*			
06/24/15	1:30 PM	Taunton River @ Berkley Bridge	RIVER			23.01	7.88	959	23.5	92.7	63.7	2560	1470	1410	*			
06/24/15	2:45 PM	Ten Mile @ Central Ave.	RIVER			22.92	7.48	865	14.2	56.5	21.8	2730	1300	1280	*			
06/24/15	10:05 AM	Ten Mile River @ Outlet of Omega Pond	RIVER			21.67	7.07	235	9.65	91.8	8.68	533	809	646	*			
06/24/15	10:05 AM	Ten Mile River @ Outlet of Omega Pond	RIVER			21.67	7.07	236	9.84	94.6	9.17	492	779	652	*			Duplicate
06/24/15	2:10 PM	Moshassuck @ Mill St.	RIVER			22.05	7.23	400	9.28	79.7	5.2	2750	644	718	*			
07/08/15	1:05 PM	Blackstone @ Slater Dam	RIVER			23.29	7.89	671	3.83	20.3	18.1	1480	964	900	*			
07/08/15	1:05 PM	Blackstone @ Slater Dam	RIVER			23.29	7.89	645	3.94	19.1	18.1	1550	1000	894	*			Duplicate
07/08/15	10:50 AM	Pawtuxet @ Broad St.	RIVER			21.93	7.74	1060	13	40.7	18.3	2040	1520	1380	*			
07/08/15	10:20 AM	Woonasquatucket @ Valley St.	RIVER			22.46	7.94	533	3.49	10.2	<5.00	1170	788	714	*			
07/08/15	9:50 AM	Woonasquatucket @ Manton Ave.	RIVER			23.10	8.02	458	5.39	39.5	5.75	1120	812	789	*			
07/08/15	3:16 PM	Moshassuck @ Mill St.	RIVER			21.80	8.00	443	9.18	72.2	<5.00	2860	703	670	*			
07/08/15	1:17 PM	Moshassuck @ Higginson Ave.	RIVER			22.33	7.77	147	3.05	42.5	12.8	1620	374	350	*			
07/08/15	1:50 PM	Ten Mile @ Outlet of Omega Pond	RIVER			24.47	7.12	190	8.51	56.7	8.67	1070	714	534	*			
07/22/15	8:30 AM	Blackstone @ Slater Dam	RIVER			25.04	8.13	517	4.24	<7	16.7	733	881	879	*			
07/22/15	10:30 AM	Blackstone @ Stateline	RIVER			25.01	7.68	583	5.69	<7	12.2	1100	1160	954	*			
07/22/15	9:20 AM	Blackstone @ Bikepath bridge Rt. 116	RIVER			25.79	7.63	710	5.32	<7	39.5	1090	1260	1020	*			
07/22/15	2:53 PM	Pawtuxet @ Broad St.	RIVER			25.68	7.45	28.2	4.87	<7	129	871	647	255	*			
07/22/15	2:20 PM	Woonasquatucket @ Valley St.	RIVER			25.50	7.71	601	3.72	<7	5.97	1370	788	765	*			
07/22/15	1:45 PM	Moshassuck @ Mill St.	RIVER			22.18	7.60	598	16.9	36.9	8.33	3920	752	924	*			
07/22/15	1:45 PM	Moshassuck @ Mill St.	RIVER			22.18	7.60	606	16.9	38.1	8.77	3960	950	792	*			Duplicate
07/22/15	1:15 PM	Moshassuck @ Higginson Ave.	RIVER			22.68	7.32	210	3.45	<7	16.9	3060	536	423	*			
07/22/15	1:15 PM	Warren Reservoir/Kickemuit River	RIVER			23.78	8.39	17.1	2.4	<7	9.74	771	866	624	*			
07/22/15	1:40 PM	Coles River @ Milford Rd	RIVER			23.96	7.92	425	11.6	109	33.6	1420	1580	1090	*			
07/22/15	2:00 PM	Palmer River @ Rt. 6	RIVER			26.29	6.93	<6.00	1.65	<7	46.6	1100	1080	358	*			
07/22/15	2:20 PM	Runnins River @ River Rd.	RIVER			21.30	8.30	406	4.74	<7	14	4530	752	789	*			
07/22/15	8:50 AM	Taunton River @ Berkley Bridge	RIVER			24.15	8.12	815	9.61	<7	67.6	3380	1980	1250	*			
07/22/15	8:50 AM	Taunton River @ Berkley Bridge	RIVER			24.15	8.12	819	9.78	<7	69.1	3030	2310	1390	*			Duplicate
07/22/15	10:05 AM	Ten Mile @ Outlet of Omega Pond	RIVER			25.00	7.88	102	7.24	<7	12.2	1140	806	455	*			
07/22/15	11:05 AM	Ten Mile @ Central Ave.	RIVER			22.32	7.65	1130	7.01	<7	23.2	2280	1650	1480	*			
08/04/15	8:25 AM	Blackstone @ Slater Dam	RIVER			24.31	7.30	440	7.44	67.4	41.1	97.7	1050	781	*			
08/04/15	8:32 AM	Blackstone @ Slater Dam	RIVER			24.31	7.30	439	7.63	63.4	41.8	110	1050	805	*			
08/04/15	2:24 PM	Pawtuxet @ Broad St.	RIVER			22.92	7.71	1160	19.3	<7	108	1700	1780	1650	*			
08/04/15	10:46 AM	Woonasquatucket @ Valley St.	RIVER			21.26	7.28	682	10.4	67.6	38.1	815	1340	1170	*			
08/04/15	10:28 AM	Woonasquatucket @ Manton Ave.	RIVER			24.21	7.42	559	7.26	33.6	11.6	524	879	825	*			
08/04/15	10:06 AM	Moshassuck @ Mill St.	RIVER			22.41	7.40	767	32.9	1100	102	1010	3190	2160	*			
08/04/15	9:10 AM	Moshassuck @ Higginson Ave.	RIVER			19.46	7.64	375	10.8	102	30.5	3120	845	809	*			

Table 30. River and Bay Nutrients Data

								NUTRIENT PARAMETERS							TSS AND CHLOROPHYLL PARAMETERS			
Collection Date	Collection Time	Station	Waterbody	Depth (meters)	Salinity (ppt)	Temp (°C)	pH	NO3+NO2 (ppb)	Nitrite (ppb)	NH3 (ppb)	Ortho-Phosphate (ppb)	Silicate (ppb)	Total Nitrogen (ppb)	Total Dissolved Nitrogen (ppb)	TSS* (ppm)	Chl a (ug/L)	Phaeophytin (ug/L)	COMMENTS
08/04/15	12:54 PM	Ten Mile @ Outlet of Omega Pond	RIVER			25.62	7.88	73.5	4.92	55.6	21.4	1390	674	463	*			
08/19/15	8:27 AM	Blackstone @ Slater Dam	RIVER			25.63	7.37	796	6.33	50.1	31.4	1200	1190	1140	*			
08/19/15	9:48 AM	Blackstone @ Stateline	RIVER			25.21	7.39	897	15	9.39	52.8	1020	1290	1270	*			
08/19/15	9:03 AM	Blackstone River @ Bike path Bridge at 116	RIVER			26.48	7.27	980	6.08	28.7	37.9	911	1270	1270	*			
08/19/15	10:51 AM	Pawtuxet @ Broad St.	RIVER			26.58	7.50	1030	4.75	25.7	42.4	2150	1570	813	*			
08/19/15	1:30 PM	Woonasquatucket @ Valley St.	RIVER			25.71	7.80	711	3.61	<7	6.15	1290	852	967	*			
08/19/15	1:30 PM	Woonasquatucket @ Valley St.	RIVER			25.71	7.80	711	3.17	<7	5.88	1310	862	889	*			Duplicate
08/19/15	12:58 PM	Woonasquatucket @ Manton Ave.	RIVER			21.21	7.28	608	5.35	15.6	5.43	808	789	846	*			
08/19/15	2:25 PM	Moshassuck @ Mill St.	RIVER			23.52	7.63	553	12.4	28	9.81	4220	669	739	*			
08/19/15	10:44 AM	Warren Reservoir/Kickemuit River	RIVER			23.70	7.18	<6.00	<1.5	7.58	7.88	567	3280	498	*			
08/19/15	10:20 AM	Coles River @ Milford Rd	RIVER			24.17	8.07	148	4.44	60.3	21.2	2770	673	817	*			
08/19/15	11:05 AM	Palmer River @ Rt. 6	RIVER			26.06	6.68	<6.00	<1.5	<7	21	958	858	337	*			
08/19/15	11:30 AM	Runnins River @ River Rd.	RIVER			21.44	8.00	470	4.34	27.6	10.6	4620	709	778	*			
08/19/15	9:00 AM	Taunton River @ Berkley Bridge	RIVER			25.37	7.31	669	11.9	82.9	53.9	1670	1630	1360	*			
08/19/15	9:00 AM	Taunton River @ Berkley Bridge	RIVER			25.37	7.31	903	12	81.1	55.1	1780	1620	1390	*			Duplicate
08/19/15	1:33 PM	Ten Mile River @ Outlet of Omega Pond	RIVER			26.29	8.26	<6.00	<1.5	<7	8.92	890	644	366	*			
08/19/15	2:12 PM	Ten Mile @ Central Ave.	RIVER			24.47	7.83	1350	6.91	22.2	22.4	1880	1810	1870	*			
09/02/15	9:01 AM	Ten Mile River @ Outlet of Omega Pond	RIVER			24.76	7.17	<6.00	<1.5	<7	5.73	477	439	582	*			
09/02/15	10:36 AM	Moshassuck @ Higginson Ave.	RIVER			18.04	7.90	365	5.23	58.4	23	5900	461	495	*			
09/02/15	12:47 PM	Woonasquatucket @ Manton Ave.	RIVER			24.18	7.62	502	4.23	<7	5.61	975	666	712	*			
09/02/15	1:06 PM	Woonasquatucket @ Valley St.	RIVER			23.64	7.55	638	2.52	<7	6.31	1890	784	745	*			
09/02/15	1:43 PM	Moshassuck @ Mill St.	RIVER			21.83	7.53	730	11.1	37.9	12.7	5240	917	1010	*			
09/02/15	2:11 PM	Blackstone @ Slater Dam	RIVER			25.37	7.57	1050	6.49	56.7	40.3	1400	1310	1360	*			
09/02/15	8:09 AM	Pawtuxet @ Broad St.	RIVER			20.43	6.72	1120	5.12	129	115	2440	1840	1530	*			
09/02/15	8:09 AM	Pawtuxet @ Broad St.	RIVER			20.43	6.72	1130	5.09	129	110	2440	1860	1540	*			Duplicate
09/16/15	8:55 AM	Blackstone @ Slater Dam	RIVER			20.93	7.61	1270	6.65	54.5	39.5	1000	1690	1730	*			
09/16/15	10:15 AM	Blackstone River @ Stateline	RIVER			20.07	7.31	978	7.35	39.3	25.2	1770	1370	1190	*			
09/16/15	9:25 AM	Blackstone River @ Bike path Bridge at 116	RIVER			20.99	7.32	2110	13.4	63.6	56.4	1790	2730	2640	*			
09/16/15	2:20 PM	Pawtuxet @ Broad St.	RIVER			22.1	7.42	372	4.12	12.8	14.5	1580	804	622	*			
09/16/15	1:35 PM	Woonasquatucket @ Valley St.	RIVER			21.24	7.58	845	3.68	9.3	7.32	1840	983	990	*			
09/16/15	1:05 PM	Moshassuck @ Mill St.	RIVER			20.84	7.30	321	4.59	53.3	10.8	3090	541	641	*			
09/16/15	1:05 PM	Moshassuck @ Mill St.	RIVER			20.84	7.30	334	4.47	54.1	11	2950	578	577	*			Duplicate
09/16/15	12:42 PM	Moshassuck @ Higginson Ave.	RIVER			20.04	7.28	255	3.51	43	17.5	5200	446	447	*			
09/16/15	10:35 AM	Warren Reservoir/Kickemuit River	RIVER			17.35	7.19	<6	<1.5	<7	10.3	1710	2820	379	*			
09/16/15	10:05 AM	Coles River @ Milford Rd	RIVER			19.34	7.60	954	3.89	21	7.24	2510	1410	1340	*			
09/16/15	11:00 AM	Palmer River @ Old Providence Rd	RIVER			20.83	7.10	<6	<1.5	<7	7.86	1290	869	374	*			
09/16/15	11:30 AM	Palmer River @ River Rd	RIVER			17.09	7.80	568	3.98	35.9	6.77	4960	834	792	*			
09/16/15	8:50 AM	Taunton River @ Berkley Bridge	RIVER			20.28	7.25	1240	12.9	120	118	1860	2430	2170	*			
09/16/15	8:50 AM	Taunton River @ Berkley Bridge	RIVER			20.28	7.25	1700	13	115	119	1880	2400	2210	*			Duplicate
09/16/15	2:15 PM	Ten Mile River @ Outlet of Omega Pond	RIVER			22.35	6.94	197	14.6	404	185	1450	1330	980	*			
09/16/15	1:20 PM	Ten Mile River @ Central Ave	RIVER			19	6.96	2200	11.4	46.7	24.1	2930	2780	2680	*			
09/30/15	9:05 AM	Blackstone River @ Slater Mill	RIVER			20.19	8.02	757	4.72	144	62.5	706	1470	1210	*			
09/30/15	10:29 AM	Pawtuxet @ Broad St.	RIVER			19.62	8.12	848	14.6	117	52.4	1530	1470	1190	*			
09/30/15	10:29 AM	Pawtuxet @ Broad St.	RIVER			19.62	8.12	848	14.8	128	51.7	1450	1460	1170	*			Duplicate
09/30/15	1:59 PM	Woonasqutucket @ Valley St	RIVER			20.41	7.84	1080	8.35	49.8	17.8	618	1570	1320	*			
09/30/15	1:38 PM	Woonasquatucket @ Manton Ave.	RIVER			20.04	8.01	1280	9.57	56.5	15	605	1670	1570	*			
09/30/15	8:48 AM	Moshassuck @ Higginson Ave.	RIVER			19.8	8.05	53.4	2.31	33.5	24.2	1370	605	274	*			
09/30/15	2:25 PM	Moshassuck @ Mill St.	RIVER			20.89	7.70	282	5.84	46	24.9	1280	799	683	*			
10/15/15	8:20 AM	Blackston River @ Slater Mill	RIVER			14.08	8.09	981	3.58	32.6	83.5	1520	1510	1230	*			

Table 30. River and Bay Nutrients Data

								NUTRIENT PARAMETERS							TSS AND CHLOROPHYLL PARAMETERS			
Collection Date	Collection Time	Station	Waterbody	Depth (meters)	Salinity (ppt)	Temp (°C)	pH	NO3+NO2 (ppb)	Nitrite (ppb)	NH3 (ppb)	Ortho-Phosphate (ppb)	Silicate (ppb)	Total Nitrogen (ppb)	Total Dissolved Nitrogen (ppb)	TSS* (ppm)	Chl a (ug/L)	Phaeophytin (ug/L)	COMMENTS
10/15/15	9:50 AM	Blackstone River @ Stateline	RIVER			13.33	7.88	1030	6	7.96	27.5	1600	1320	1290	*			
10/15/15	9:10 AM	Blackstone River @ Bike path Bridge at 116	RIVER			13.94	7.91	1270	5.32	23.3	152	1800	1560	1560	*			
10/15/15	11:00 AM	Pawtuxet River @ Broad St	RIVER			14.9	8.13	1410	22.4	82.2	29.8	3040	1980	1710	*			
10/15/15	1:35 PM	Woonasquatucket @ Valley St.	RIVER			14.05	7.89	877	2.61	<7	<5	1220	1050	1020	*			
10/15/15	1:10 PM	Moshassuck @ Mill St.	RIVER			12.93	7.70	501	7.21	103	<5	4670	755	726	*			
10/15/15	1:10 PM	Moshassuck @ Mill St.	RIVER			12.93	7.70	499	7.06	114	<5	4620	738	750	*			Duplicate
10/15/15	12:45 PM	Moshassuck @ Higginson Ave.	RIVER			13.84	7.83	127	6.85	38.5	<5	1710	415	417	*			
10/28/15	10:19 AM	Warren Reservoir/Kickemuit River	RIVER					68	19	141	<5	130	1470	723	*			
10/28/15	9:56 AM	Coles River @ Milford Rd	RIVER					75.3	2.2	18.1	7.93	3120	466	464	*			
10/28/15	10:40 AM	Palmer River @ Old Providence Rd	RIVER					28.3	3.31	21	36.7	508	540	319	*			
10/28/15	10:58 AM	Runnins River @ River Rd.	RIVER			8.16	7.73	161	2.97	37.7	11.6	2580	702	478	*			
10/28/15	8:43 AM	Taunton River @ Berkley Bridge	RIVER					890	6.22	48.1	104	2010	1510	1250	*			
10/28/15	8:43 AM	Taunton River @ Berkley Bridge	RIVER					893	5.84	47.6	101	1990	1560	1280	*			Duplicate
10/28/15	12:51 PM	Ten Mile River @ Outlet of Omega Pond	RIVER			10.8	8.73	275	7.57	81.8	8.08	788	1350	705	*			
10/28/15	1:37 PM	Ten Mile River @ Central Ave	RIVER			9.5	8.27	2130	7.01	17.3	10.8	2750	2560	2310	*			
10/28/15	10:20 AM	Blackstone River @ Slater Mill	RIVER					693	2.95	14.1	25.1	1140	1120	980	*			
10/28/15	11:25 AM	Pawtuxet River @ Broad St	RIVER			12.09	7.10	1230	34.2	63.6	44.9	2410	1510	1560	*			
10/28/15	11:25 AM	Pawtuxet River @ Broad St	RIVER			12.09	7.10	1230	34.2	67	44.3	2500	1700	1550	*			Duplicate
10/28/15	1:35 PM	Woonasquatucket @ Valley St.	RIVER			10.38	7.33	847	2.26	<7	<5	1370	1020	967	*			
10/28/15	1:15 PM	Woonasqutucket @ Manton Ave	RIVER			10.62	7.50	766	2.37	<7	<5	1090	970	954	*			
10/28/15	2:10 PM	Moshassuck @ Mill St.	RIVER			10.64	7.06	690	11.2	174	13.7	5140	1030	1110	*			
11/12/15	1:25 PM	Ten Mile @ Central Ave.	RIVER			9.8	8.19	1860	10.1	45.1	19.4	2470	2310	2160	*			
11/12/15	12:51 PM	Pawtuxet @ Broad St.	RIVER			11.9	7.11	1740	8.95	73.4	19.2	1960	2150	1970	*			
11/12/15	10:50 AM	Blackstone @ Bikepath bridge Rt. 116	RIVER			9.23	5.97	1160	8.92	46.8	29.4	1590	1460	1490	*			
11/12/15	9:11 AM	Blackstone @ Slater Dam	RIVER			11.62	7.15	1120	9.12	56.9	32.7	1280	1390	1410	*			
11/12/15	10:01 AM	Blackstone @ Stateline	RIVER			10.55	6.90	1040	7.04	23.3	19.6	1510	1390	1360	*			
11/12/15	1:45 PM	Woonasquatucket @ Valley St.	RIVER			10.81	7.12	858	3.22	<7	<5	1710	1020	1010	*			
11/12/15	8:45 AM	Taunton River @ Berkley Bridge	RIVER			11.09	7.37	619	6.56	80.6	88.7	2130	1210	1000	*			
11/12/15	8:45 AM	Taunton River @ Berkley Bridge	RIVER			11.09	7.37	615	6.39	79.2	88.7	2140	1150	977	*			Duplicate
11/12/15	10:30 AM	Warren Reservoir/Kickemuit River	RIVER			10.76	7.94	33.7	15.3	392	<5	556	1330	951	*			
11/12/15	1:12 PM	Moshassuck @ Mill St.	RIVER			11.14	6.93	328	4.54	86.2	18	3590	717	690	*			
11/12/15	1:12 PM	Moshassuck @ Mill St.	RIVER			11.14	6.93	325	4.58	87.4	16.9	3640	654	696	*			Duplicate
11/12/15	12:45 PM	Runnins River @ River Rd.	RIVER			8.9	8.73	262	2.26	9.7	10.2	2800	445	579	*			
11/12/15	11:00 AM	Palmer River @ Old Providence Rd., Swansea	RIVER			9.97	7.28	57.1	5.4	44.3	30.1	963	550	327	*			
11/25/15	3:14 PM	Pawtuxet @ Broad St.	RIVER			5.65	7.65	1400	6.99	98.6	14.7	3630	1840	1690	*			
11/25/15	9:10 AM	Ten Mile @ Central Ave.	RIVER			4.32	7.19	1350	6.5	15.9	24.1	2690	1830	1630	*			
11/25/15	8:50 AM	Ten Mile @ Outlet of Omega Pond	RIVER			6.86	6.94	1040	15.5	72	23.5	2520	1590	1280	*			
11/25/15	10:13 AM	Blackstone @ Stateline	RIVER			3.22	7.60	817	10.7	24.3	21.1	1860	1150	1050	*			
11/25/15	9:02 AM	Blackstone @ Bikepath bridge Rt. 116	RIVER			4.76	7.63	724	6.15	35.3	32	1990	1030	989	*			
11/25/15	10:00 AM	Taunton River @ Berkley Bridge	RIVER			5.76	6.47	673	4.51	31.4	51.4	2780	1260	1010	*			
11/25/15	10:00 AM	Taunton River @ Berkley Bridge	RIVER			5.76	6.47	644	4.65	31.7	50.9	2940	1190	995	*			Duplicate
11/25/15	8:25 AM	Blackstone @ Slater Dam	RIVER			4.76	7.95	527	4.94	30.5	29.6	1970	933	950	*			
11/25/15	1:54 PM	Woonasquatucket @ Valley St.	RIVER			5.16	7.53	408	4.42	116	11.2	3500	814	748	*			
11/25/15	1:31 PM	Moshassuck @ Mill St.	RIVER			5.16	7.53	402	4.35	116	11.6	3650	821	745	*			
11/25/15	1:31 PM	Moshassuck @ Mill St.	RIVER			5.56	7.78	171	6.21	26.5	8.8	2520	454	456	*			Duplicate
11/25/15	12:55 PM	Runnins River @ River Rd.	RIVER			3.31	8.25	418	3.47	24.9	12	3520	792	741	*			
11/25/15	1:07 PM	Moshassuck @ Higginson Ave.	RIVER			4.85	7.68	405	1.75	<7	5.93	1620	532	633	*			
11/25/15	1:35 PM	Warren Reservoir/Kickemuit River	RIVER			9.91	6.74	177	12.8	138	20.4	2190	1410	870	*			
11/25/15	1:15 PM	Palmer River @ Old Providence Rd., Swansea	RIVER			4.4	6.69	233	4.45	19.2	23.4	4170	818	642	*			

Table 30. River and Bay Nutrients Data

								NUTRIENT PARAMETERS							TSS AND CHLOROPHYLL PARAMETERS			
Collection Date	Collection Time	Station	Waterbody	Depth (meters)	Salinity (ppt)	Temp (°C)	pH	NO3+NO2 (ppb)	Nitrite (ppb)	NH3 (ppb)	Ortho-Phosphate (ppb)	Silicate (ppb)	Total Nitrogen (ppb)	Total Dissolved Nitrogen (ppb)	TSS* (ppm)	Chl a (ug/L)	Phaeophytin (ug/L)	COMMENTS
11/25/15	2:00 PM	Coles River @ Milford Rd	RIVER			6.57	7.88	120	3.86	<7	17.3	3210	647	596	*			
12/09/15	2:35 PM	Pawtuxet @ Broad St.	RIVER			5.86	8.10	1580	9.68	95.2	16.4	4000	1890	1830	*			
12/09/15	2:35 PM	Pawtuxet @ Broad St.	RIVER			5.86	8.10	1550	9.41	99.9	15.6	3370	1840	1550	*			Duplicate
12/09/15	8:15 AM	Ten Mile @ Outlet of Omega Pond	RIVER					1220	10.5	32.7	24.2	2910	1550	1630	*			
12/09/15	9:53 AM	Blackstone @ Slater Dam	RIVER			5.38	8.23	1010	9.18	9.59	14.7	1650	1290	1270	*			
12/09/15	1:18 PM	Moshassuck @ Mill St.	RIVER			6.24	7.81	454	5.95	113	11	3650	675	713	*			
12/09/15	12:39 PM	Woonasquatucket @ Manton Ave.	RIVER			5.07	8.25	442	2.54	<7	<5	1190	586	662	*			
12/09/15	1:00 PM	Woonasquatucket @ Valley St.	RIVER			5.12	8.07	430	1.57	<7	<5	1180	566	627	*			
12/09/15	9:30 AM	Moshassuck @ Higginson Ave.	RIVER			5.37	8.73	239	5.49	22.3	9.58	2640	397	528	*			
12/22/15	12:30 PM	Blackstone @ Slater Dam	RIVER			7.88	8.28	980	14.9	40.1	21.6	2230	1330	1220	*			
12/22/15	12:30 PM	Blackstone @ Slater Dam	RIVER			7.88	8.28	993	14.6	42.4	22.4	2160	1300	1030	*			Duplicate
12/22/15	8:35 AM	Blackstone @ Stateline	RIVER			5.54	8.71	725	12.6	39.3	34.7	1870	1090	978	*			
12/22/15	9:30 AM	Blackstone @ Bikepath Bridge Rt. 116	RIVER			6.1	7.75	907	16.8	43.3	38.6	2040	1340	1160	*			
12/22/15	2:45 PM	Pawtuxet @ Broad St.	RIVER			8.72	6.55	1420	11.5	129	11.2	2710	1870	1770	*			
12/22/15	1:45 PM	Woonasquatucket @ Valley St.	RIVER			7.46	7.36	797	3.06	<7	<5	1580	1040	949	*			
12/22/15	1:20 PM	Moshassuck @ Mill St.	RIVER			9.4	7.33	436	7.61	102	<5	2810	791	782	*			
12/22/15	1:00 PM	Moshassuck @ Higginson Ave.	RIVER			8.56	7.45	200	4.4	41.1	7.07	1890	481	539	*			
12/22/15	10:40 AM	Warren Reservoir/Kickemuit River	RIVER			6.93	8.24	340	9.15	118	14.3	1730	1230	858	*			
12/22/15	10:08 AM	Coles River @ Milford Rd	RIVER			6.02	8.20	162	3.94	13.2	18.6	1810	699	687	*			
12/22/15	11:18 AM	Palmer River @ Old Providence Rd., Swansea	RIVER			5.93	7.50	252	4.91	21.2	16.7	2830	980	702	*			
12/22/15	1:11 PM	Runnins River @ River Rd.	RIVER			7.93	7.74	542	5.05	21.4	7.62	3780	938	918	*			
12/22/15	9:02 AM	Taunton River @ Berkley Bridge	RIVER			6.12	7.93	922	7.98	30	56.8	1460	1460	1160	*			
12/22/15	2:51 PM	Ten Mile @ Outlet of Omega Pond	RIVER			6.94	7.62	1500	9.62	13.5	16.5	2550	1930	1800	*			
12/22/15	1:45 PM	Ten Mile River @ Central Ave	RIVER			7.91	7.57	2900	9.19	44	49.4	3170	3360	3090	*			
12/22/15	1:45 PM	Ten Mile River @ Central Ave	RIVER			7.91	7.57	2890	9.2	46.9	48.5	3170	3180	3110	*			Duplicate
NUTRIENT BLANKS																		
01/07/15	1:38 PM	Nutrient Blank						<6.0	<1.5	<7.0	<5.00	<20	<200.0	<100.0				
01/07/15	10:26 AM	Nutrient Blank						<6.0	<1.5	<7.0	<5.00	<20	<200.0	<100.0				
01/21/15	10:50 AM	Nutrient Blank						<6.0	<1.5	<7.0	<5.00	<20	<200.0	<100.0				
01/21/15	1:48 PM	Nutrient Blank						<6.0	<1.5	<7.0	<5.00	<20	<200.0	<100.0				
02/04/15	10:41 AM	Nutrient Blank						<6.0	<1.5	<7.0	<5.00	<20	<200.0	<100.0				
02/04/15	9:26 AM	Nutrient Blank						<6.0	<1.5	<7.0	<5.00	<20	<200.0	<100.0				
02/18/15	10:02 AM	Nutrient Blank						24.10	3.66	<7.0	<5.00	<20	<200.0	<100.0				
03/04/15	12:56 PM	Nutrient Blank						<6.0	<1.5	<7.0	<5.00	<20	<200.0	<100.0				
03/04/15	1:17 PM	Nutrient Blank						<6.0	<1.5	<7.0	<5.00	<20	<200.0	<100.0				
3/17/2015	9:30 AM	Nutrient Blank						<6.0	<1.5	<7.0	<5.00	<20	<200.0	<100.0				
3/17/2015	2:00 PM	Nutrient Blank						<6.0	<1.5	<7.0	<5.00	<20	<200.0	<100.0				
04/01/15	8:48 AM	Nutrient Blank						12.20	<1.5	<7.0	<5.00	<20	<200.0	<100.0				
04/01/15	1:15 PM	Nutrient Blank						<6.0	<1.5	<7.0	<5.00	<20	<200.0	<100.0				
04/01/15	8:51 AM	Nutrient Blank						<6.0	<1.5	<7.0	<5.00	<20	<200.0	<100.0				
04/15/15	12:56 PM	Nutrient Blank						<6.0	<1.5	<7.0	<5.00	<20	<200.0	<100.0				
04/15/15	8:47 AM	Nutrient Blank						11.7	<1.5	<7.0	<5.00	<20	<200.0	<100.0				
04/29/15	8:15 AM	Nutrient Blank						<6.0	<1.5	<7.0	<5.00	<20	<200.0	<100.0				
04/29/15	10:25 AM	Nutrient Blank						<6.0	<1.5	<7.0	<5.00	<20	<200.0	210				
05/13/15	10:31 AM	Nutrient Blank						<6.0	<1.50	<7.0	<5.00	<20	<200.0	<100.0				
05/13/15	10:30 AM	Nutrient Blank						14.10	1.84	<7.0	<5.00	<20	<200.0	<100.0				
05/27/15	9:15 AM	Nutrient Blank						<6.0	<1.50	<7.0	<5.00	<20	<200.0	<100.0				
05/27/15	1:52 PM	Nutrient Blank						<6.0	<1.50	<7.0	<5.00	<20	<200.0	<100.0				
05/27/15	2:40 PM	Nutrient Blank						<6.0	<1.50	<7.0	<5.00	<20	<200.0	<100.0				
06/10/15	8:20 AM	Nutrient Blank						<6.0	<1.50	<7.0	<5.00	<20	<200.0	<100.0				
06/10/15	9:47 AM	Nutrient Blank						<6.0	<1.50	<7.0	<5.00	<20	<200.0	<100.0				
06/24/15	9:13 AM	Nutrient Blank						<6.0	<1.50	<7.0	<5.00	<20	<200.0	<100.0				

								NUTRIENT PARAMETERS							TSS AND CHLOROPHYLL PARAMETERS			COMMENTS
Collection Date	Collection Time	Station	Waterbody	Depth (meters)	Salinity (ppt)	Temp (°C)	pH	NO3+NO2 (ppb)	Nitrite (ppb)	NH3 (ppb)	Ortho-Phosphate (ppb)	Silicate (ppb)	Total Nitrogen (ppb)	Total Dissolved Nitrogen (ppb)	TSS* (ppm)	Chl a (ug/L)	Phaeophytin (ug/L)	
06/24/15	1:05 PM	Nutrient Blank						<6.0	<1.50	<7.0	<5.00	<20	<200.0	<100.0				
06/24/15	1:45 PM	Nutrient Blank						6.25	<1.50	<7.0	<5.00	<20	<200.0	<100.0				
07/08/15	9:47 AM	Nutrient Blank						11.9	<1.50	<7.0	<5.00	<20	<200.0	<100.0				
07/08/15	1:45 PM	Nutrient Blank						<6.0	<1.50	<7.0	<5.00	<20	<200.0	<100.0				
07/22/15	2:00 PM	Nutrient Blank						<6.0	<1.5	<7.0	<5	<20	<200.0	<100.0				
07/22/15	1:25 PM	Nutrient Blank						<6.0	<1.5		<5	<20	<200.0	<100.0				
07/22/15	1:05 PM	Nutrient Blank						17.4	<1.5	<7.0	<5	<20	<200.0	<100.0				
08/04/15	9:19 AM	Nutrient Blank						<6.0	<1.5	<7.0	<5	<20	<200.0	<100.0				
08/04/15	8:35 AM	Nutrient Blank						<6.0	<1.5	<7.0	<5	<20	<200.0	<100.0				
08/19/15	8:55 AM	Nutrient Blank						<6.0	<1.5	<7.0	<5	<20	<200.0	<100.0				
08/19/15	8:01 AM	Nutrient Blank						<6.0	<1.5	<7.0	<5	<20	<200.0	<100.0				
08/19/15	1:39 PM	Nutrient Blank						<6.0	<1.5	<7.0	<5	<20	<200.0	<100.0				
09/02/15	8:03 AM	Nutrient Blank						<6.0	<1.5	<7.0	<5	<20	<200.0	<100.0				
09/02/15	10:12 AM	Nutrient Blank						<6.0	<1.5	<7.0	<5	<20	<200.0	<100.0				
09/16/15	8:27 AM	Nutrient Blank						<6.0	<1.5	<7.0	<5	<20	<200.0	<100.0				
09/16/15	13:15	Nutrient Blank						<6.0	<1.5	<7.0	<5	<20	<200.0	<100.0				
09/16/15	14:30	Nutrient Blank						<6.0	<1.5	<7.0	<5	<20	<200.0	<100.0				
09/30/15	9:16	Nutrient Blank						<6.0	<1.5	<7.0	<5	<20	<200.0	<100.0				
10/15/15	12:50	Nutrient Blank						<6.0	<1.5	<7.0	<5	<20	<200.0	<100.0				
10/15/15	12:55	Nutrient Blank						<6.0	<1.5	<7.0	<5	<20	<200.0	<100.0				
10/28/15	8:54	Nutrient Blank						<6.0	<1.5	<7.0	<5	<20	<200.0	<100.0				
10/28/15	9:55	Nutrient Blank						<6.0	<1.5	<7.0	<5	<20	<200.0	<100.0				
11/12/15	8:34	Nutrient Blank						<6.0	<1.5	<7.0	<5	<20	<200.0	<100.0				
11/12/15	8:16	Nutrient Blank						<6.0	<1.5	<7.0	<5	<20	<200.0	<100.0				
11/12/15	11:10	Nutrient Blank						<6.0	<1.5	<7.0	<5	<20	<200.0	<100.0				
11/25/15	9:00	Nutrient Blank						<6.0	<1.5	<7.0	<5	<20	<200.0	<100.0				
11/25/15	9:11	Nutrient Blank						<6.0	<1.5	<7.0	<5	<20	<200.0	<100.0				
11/25/15	10:15	Nutrient Blank						<6.0	<1.5	<7.0	<5	<20	<200.0	<100.0				
12/09/15	13:00	Nutrient Blank						<6.0	<1.5	<7.0	<5	<20	<200.0	<100.0				
12/09/15	8:25	Nutrient Blank						<6.0	<1.5	<7.0	<5	<20	<200.0	<100.0				
12/22/15	12:30	Nutrient Blank						10.00	<1.5	<7	<5	<20	<200.0	<100.0				
12/22/15	10:45	Nutrient Blank						<6.0	<1.5	<7.0	<5	<20	<200.0	<100.0				
12/22/15	14:02	Nutrient Blank						<6.0	<1.5	<7.0	<5	<20	<200.0	<100.0				

Table 30. River and Bay Nutrients Data

River Fecal Results 2015
(MPN/100 mL)

	Woonasquatucket River						West River			Providence River	Seekonk River
Date	S-9-Manton Ave.	S-8D - Parking Bridge Olneyville	S-8C-Delaine St.	S-7B-Pleasant Valley Pkwy.	S-7A-Kinsley St.	W7C-Eagle Street	S-10-Douglas Ave. Bridge	S-10-B Veazie St. Bridge	S-11-West River St. Bridge	S-12- Crawford St. Bridge	SR-5A Pitman Street
1/5/2015	140	70	90	90	150	40				430	40
1/6/2015					40	40	90	40	40	90	
1/12/2015	40	<30	90	40	40	35				230	40
1/13/2015					<30	90	40	<30	<30	40	
1/20/2015	90	<30	<30	230	40	60				90	90
1/21/2015					<30	40	90	90	90	90	
1/26/2015	<30	<30	90	<30	<30	<30				230	90
1/30/2015							90	<30	<30		
2/3/2015	90	40	90	90	90	52				930	
2/4/2015					40	<30	40	230	<30		
2/9/2015	40	<30	70		30	96				230	
2/10/2015					<30	<30	40	40	90	90	
2/16/2015	90	40	40		40					40	
2/17/2015					90				90	430	
2/23/2015		40		90	<30					750	
2/24/2015					40					930	
3/3/2015		<30	<30	40	40	53				930	
3/4/2015					750	430	230	230	230	230	
3/9/2015	40	40	150	40	40	35				230	
3/10/2015					230	<30	90	40	90	40	
3/16/2015	90	40	90	40	90	96				230	
3/17/2015					90	930	230	40	90	70	
3/23/2015	<30	40	<30	40	<30	35				<30	
3/24/2015					30	<30	230	40	40	90	
3/30/2015	<30	40	90	90	<30	40				<30	40
3/31/2015					90	<30	<30	40	<30	90	
4/6/2015	<30	40	30	<30	<30	<30				40	<30
4/7/2015					<30	<30	40	90	40	90	
4/13/2015	<30	<30	<30	<30	<30	<30				40	<30
4/14/2015					90	<30	230	930	430	<30	
4/20/2015	<30	40	<30	90	40	52				70	<30
4/21/2015					430	1,500	230	390	430	430	
4/27/2015	<30	30	90	<30	70	35				90	40
4/28/2015					<30	<30	230	90	430	430	
5/4/2015	<30	90	430	<30	90	35				930	40
5/5/2015					<30	90	<30	40	430	230	
5/11/2015	<30	90	430	430	70	96				40	90
5/12/2015					390	230	9,300	930	4,300	230	

River Fecal Results 2015
(MPN/100 mL)

	Woonasquatucket River						West River			Providence River	Seekonk River
Date	**S-9-Manton Ave.**	**S-8D - Parking Bridge Olneyville**	**S-8C-Delaine St.**	**S-7B-Pleasant Valley Pkwy.**	**S-7A-Kinsley St.**	**W7C-Eagle Street**	**S-10-Douglas Ave. Bridge**	**S-10-B Veazie St. Bridge**	**S-11-West River St. Bridge**	**S-12- Crawford St. Bridge**	**SR-5A Pitman Street**
5/18/2015	230	230	90	430	930	144				930	40
5/19/2015					930	430	2,300	930	4,300	230	
5/26/2015	90	90	430	40	70	254				930	40
5/27/2015					430	430	230	230	230	40	
6/1/2015	46,000	110,000	24,000	110,000	110,000	105,071				24,000	7,500
6/2/2015					7,500	15,000	2,300	2,300	9,300	3,900	
6/8/2015	430	90	150	230	230	299				750	930
6/9/2015					430	230	430	9,300	2,300	930	
6/11/2015								930	4,300		
6/15/2015	2,300	2,300	2,300	2,300	15,000	14,064				2,100	430
6/16/2015					930	430	4,300	750	2,300	930	
6/22/2015	2,300	4,300	1,500	930	2,300	2,300				2,300	9,300
6/23/2015					430	930	2,300	4,300	2,300	2,300	
6/29/2015	930	2,300	2,300	430	930	1,463				2,300	90
6/30/2015					930	2,300	930	2,300	750	2,300	
7/6/2015	90	430		430	4,300	930				930	<30
7/7/2015					2,300	1,500	430	430	930	230	
7/13/2015	230	430	930	930	930	632				930	40
7/14/2015					4,300	930	2,300	4,300	2,300	2,300	
7/20/2015	40	230	930	930	930	1,463				4,300	<30
7/21/2015					2,300	230	2,300	930	4,300	750	
7/23/2015					1,500		750	430	7,500		
7/27/2015	4,300	2,300	24,000	9,300	24,000	24,000				9,300	430
7/28/2015					2,300	4,300	4,300	2,300	9,300	4,300	
8/3/2015	90	210	4,300	430	230	430				430	30
8/4/2015					110,000	46,000	46,000	>240000	46,000	46,000	
8/11/2015	150	2,300	3,900	930	2,300	462				4,300	<30
8/12/2015					4,300	430	2,300	9,300	15,000	4,300	
8/17/2015	430	430	90	930	2,300	415				930	40
8/18/2015					4,300	2,300	930	230	150	750	
8/20/2015					4,095	430					
8/24/2015	230	230	930	230	4,300	430				390	<30
8/25/2015					4,300	930	1,500	230	1,500	930	
8/27/2015					430		2,300	230	9,300		
8/31/2015	4,300	2,300	750	930	430	462				150	<30
9/1/2015					230	230	9,300	1,500	2,300	90	
9/3/2015	90	930	430					2,300	2,300		

River Fecal Results 2015
(MPN/100 mL)

	Woonasquatucket River						West River			Providence River	Seekonk River
Date	S-9-Manton Ave.	S-8D - Parking Bridge Olneyville	S-8C-Delaine St.	S-7B-Pleasant Valley Pkwy.	S-7A-Kinsley St.	W7C-Eagle Street	S-10-Douglas Ave. Bridge	S-10-B Veazie St. Bridge	S-11-West River St. Bridge	S-12- Crawford St. Bridge	SR-5A Pitman Street
9/8/2015	40	150	90	430	9,300	430				430	90
9/9/2015					430	930	430	930	930	430	
9/14/2015	430	200	230	2,300	4,300	462				2,300	750
9/15/2015					2,300	430	1,500	230	1,500	930	
9/21/2015	90	930	230	230	24,000	230				9,300	40
9/22/2015					4,300	430	430	230	430	930	
9/24/2015				930	2,300						
9/28/2015	90	150	150	230	150	214				90	<30
9/29/2015					930	2,300	90	90	150	930	
10/5/2015	90	750	430	930	4,300	1,500				930	230
10/6/2015					430	150	430	430	230	930	
10/13/2015	930	430	4,300	4,300	24,000	2,300				9,300	230
10/14/2015					430	230	2,300	230	4,300	230	
10/19/2015	40	230	70	70	230	60				390	<30
10/20/2015					430	150	70	230	930	390	
10/26/2015	<30	<30	90	430	90	60				230	40
10/27/2015					2,300	4,300	40	150	230	4,300	
11/2/2015	930	9,300	9,300	2,300	9,300	2,198				2,300	2,100
11/3/2015					210	90	430	150	230	930	
11/5/2015	90	40	<30	<30							40
11/9/2015	<30	90	230	430	230	70				90	30
11/10/2015					90	70	<30	230	230	90	
11/16/2015	<30	90	40	430	230	314				230	<30
11/17/2015					150	90	430	930	40	40	
11/23/2015	150	40	90	230	430	90				1,500	150
11/24/2015					430	40	210	430	1,500	430	
11/30/2015	40	<30	<30	90	230	60				90	<30
12/1/2015					230	40	90	230	430	90	
12/7/2015	<30	40	30	90	230	35				930	90
12/8/2015					430	<30	40	90	90	40	
12/14/2015	<30	<30	30	150	90	40				230	40
12/15/2015					2,300	90	90	230	430	930	
12/21/2015	150	40	40	<30	40	46				2,300	230
12/22/2015					230	230	<30	230	90	40	
12/28/2015	40	230	40	230	40	159				230	40
12/29/2015					150	430	150	230	4,300	930	

River Fecal Data 2015
(MPN/100 mL)

	Moshassuck River							Blackstone River		Pawtuxet River
Date	**S-1- Higginson Ave. Bridge**	**S-4D- St. Francis Cemetary**	**S-4B- End of Moshassuck St.**	**S-5- Footbridge Mill St.**	**S-4- Cemetary St. Bridge**	**S-5A- Stevens St. Bridge**	**S-6- Park Row Bridge**	**S-2- Whipple Bridge**	**S-3- Slater Mill Dam**	**Pawtuxet River @ Broad Street**
1/5/2015				179				40	40	230
1/6/2015	<30	90	1,181	254	210	930	430			
1/12/2015				77				70	<30	35
1/13/2015	30	230	144	77	430	230	230			
1/20/2015				186				430	150	90
1/21/2015	40	30	35	60	<30	40	70			
1/26/2015				70				<30	<30	<30
1/30/2015	90	90			<30	430	90			
2/3/2015				173				90	40	60
2/4/2015	430	230		144	230	90	90			
2/9/2015				60					<30	52
2/10/2015		230		60	230	230	230			
2/16/2015				314						40
2/17/2015		40		430	430	230	2,300			
2/19/2015				930			35			
2/23/2015				632						60
2/24/2015			96	632	230	230	930			
3/3/2015				632				<30	<30	<30
3/4/2015		150	314	197	430	90	430			
3/9/2015				79				<30	<30	60
3/10/2015	70	90	144	60	90	90	<30			
3/16/2015				1,463				430	430	46
3/17/2015	430	430	144	197	230	230	210			
3/23/2015				173				70	<30	<30
3/24/2015	230	<30	35	35	40	40	40			
3/30/2015				70				<30	<30	<30
3/31/2015	<30	90	35	35	40	<30	<30			
4/6/2015				116				40	90	35
4/7/2015	<30	90	89	186	90	430	230			
4/13/2015				373				<30	<30	<30
4/14/2015	90	40	144	430	40	430	230			
4/15/2015								<30		
4/20/2015				1,181					<30	67
4/21/2015	90	90	347	568	430	230	430			
4/27/2015				410				40	<30	<30
4/28/2015	<30	90	79	632	390	930	210			
5/4/2015				102				40	40	35
5/5/2015	<30	<30	144	289	230	90	230			

River Fecal Data 2015
(MPN/100 mL)

	Moshassuck River							Blackstone River		Pawtuxet River
Date	**S-1- Higginson Ave. Bridge**	**S-4D- St. Francis Cemetary**	**S-4B- End of Moshassuck St.**	**S-5- Footbridge Mill St.**	**S-4- Cemetary St. Bridge**	**S-5A- Stevens St. Bridge**	**S-6- Park Row Bridge**	**S-2- Whipple Bridge**	**S-3- Slater Mill Dam**	**Pawtuxet River @ Broad Street**
5/11/2015				144				<30	230	79
5/12/2015	90	90	144	4,625	<30	930	230			
5/18/2015				1,181				<30	230	173
5/19/2015	430	210	632	2,540	930	9,300	1,500			
5/26/2015				230				<30	<30	40
5/27/2015	230	150	60	1,463	90	230	430			
6/1/2015				20,683				930	750	10,159
6/2/2015	2,300	9,300	9,300	11,811	2,300	9,300	2,300			
6/8/2015				835				230	40	116
6/9/2015	430	930	2,000	314	230	430	430			
6/11/2015	230	2,300	2,000							
6/15/2015				4,625				430	150	5,874
6/16/2015	750	430	632	6,928	750	1,500	4,300			
6/22/2015				3,145				2,300	930	4,300
6/23/2015	430	7,500	3,145	1,463	9,300	2,300	430			
6/29/2015				2,300				430	930	930
6/30/2015	930	930	994	994	1,500	1,500	7,500			
7/6/2015				632				90	230	230
7/7/2015	150	930	187	1,775	430	930	2,300			
7/13/2015				3,145				90	230	60
7/14/2015	430	2,300	2,300	1,463	430	9,300	2,300			
7/20/2015				1,463				930	150	150
7/21/2015	2,300	2,300	1,463	1,181	230	2,300	2,300			
7/23/2015	90	390	430	1,181	230	430	4,300			
7/27/2015				24,000				750	230	632
7/28/2015	430	1,500	6,324	4,095	9,300	4,300	4,300			
8/3/2015				2,300				430	150	462
8/4/2015	110,000	9,300	20,683	162,481	46,000	24,000	>240000			
8/11/2015				33,226				230	230	127
8/12/2015	750	750	4,300	6,324	4,300	9,300	7,500			
8/17/2015				1,463				210	430	79
8/18/2015	230	390	186	835	90	930	930			
8/24/2015				430				90	230	53
8/25/2015	40	930	1,463	994	930	430	930			
8/27/2015			930	750						
8/31/2015				632				930	430	430
9/1/2015	430	150	727	771	150	2,300	930			
9/3/2015			474		750	230				

River Fecal Data 2015
(MPN/100 mL)

	Moshassuck River							Blackstone River		Pawtuxet River
Date	**S-1- Higginson Ave. Bridge**	**S-4D- St. Francis Cemetary**	**S-4B- End of Moshassuck St.**	**S-5- Footbridge Mill St.**	**S-4- Cemetary St. Bridge**	**S-5A- Stevens St. Bridge**	**S-6- Park Row Bridge**	**S-2- Whipple Bridge**	**S-3- Slater Mill Dam**	**Pawtuxet River @ Broad Street**
9/8/2015				4,625				430	30	230
9/9/2015	90	930	1,463	1,061	390	930	4,300			
9/14/2015				1,463				40	930	462
9/15/2015	230	930	1,857	835	430	1,500	230			
9/21/2015				835				30	90	83
9/22/2015	430	750	1,463	9,503	430	430	4,300			
9/24/2015			632	765	930	230	430			
9/28/2015				289				70	<30	66
9/29/2015	150	150	289	994	90	24,000	430			
10/5/2015				994				230	930	314
10/6/2015	430	930	602	632	2,300	230	430			
10/13/2015				33,226				<30	40	430
10/14/2015	<30	430	9,300	994	9,300	930	930			
10/19/2015				602				<30	90	179
10/20/2015	40	430	994	293	930	430	930			
10/26/2015				462				40	<30	60
10/27/2015	2,300	930	4,300	415	2,300	430	230			
11/2/2015				33,226				230	24,000	2,995
11/3/2015	40	90	410	994	230	430	750			
11/5/2015									40	<30
11/9/2015				455				<30	<30	40
11/10/2015	<30	90	60	442	90	230	230			
11/16/2015				727				<30	<30	60
11/17/2015	40	430	632	159	430	70	150			
11/23/2015				835				90	90	197
11/24/2015	70	90	102	314	230	150	430			
11/30/2015				230				90	<30	40
12/1/2015	<30	930	314	632	230	230	430			
12/7/2015				90				<30	90	<30
12/8/2015	40	40	994	187	430	230	230			
12/14/2015				79				90	<30	35
12/15/2015	230	430	314	1,061	230	2,300	390			
12/21/2015				462				230	<30	52
12/22/2015	90	230	230	83	90	230	230			
12/28/2015				314				<30	40	96
12/29/2015	40	<30	1,061	1,181	2,300	430	930			

Results are in MPN/100 mL or Most Probable Number/100 mL

	Date	3/25/2015	4/8/2015	4/22/2015	5/6/2015	5/20/2015	6/3/2015	6/17/2015	7/1/2015	7/15/2015
Seekonk River	**Division St Dock**	15	23		43	93	4,300	430	46,000	430
	Bishop Pt	15	9		93	230	230	93	2,300	430
	Off BP Outfall	43	23		93	93	430	75	24,000	930
	Phillipsdale Landing	9	93		23	23	930	93	210	4,300
	Phillipsdale Landing Duplicate	43	93		9	93	230	75	230	2,300
	Narr Boating Center	9	430	93	43	93	230	150	2,300	4,300
	Crook Pt	23	43	230	9	430	230	93	750	1,500
Providence River	**Comm. Boating Center**	23	43	430	15	230	230	43	430	230
	Point St Bridge	43	230	230	43	2,300	1,500	230	4,300	24,000
	Collier Pt Park	23	75	93	93	230	430	93	2,300	24,000
	Off FP Outfall	9	230	930	9	93	930	93	93	930
	South FP East	3	93	430	9	93	230	23	93	430
	Save the Bay	3	43	150	9	43	390	43	2,300	430
	Edgewood Yacht Club	43	93	93	4	93	230	4,300	43	39
	Pawt/Prov Junction	3	43	23	9	43	230	430	43	930
	Gaspee Pt	23	230	230	3	43	430	43	9	93
	Bullock Neck	15	75	43	3	15	150	9	23	15
	Bullocks Reach Buoy	4	93	23	3	23	230	43	9	23
	Shawomet	9	75	43	3	23	430	23	3	7
	North of Nayatt Point	4	4	93	4	9	75	3	3	15
	Conimicut Pt	9	15	43	23	4	230	3	40	230
	Conimicut Pt Duplicate	23	15	43	4	9	93	4	23	43
	Seekonk River Geometric Mean	19	50	146	31	108	467	117	2,149	1,408
	Providence River Geometric Mean	11	58	105	8	49	285	42	67	198
	Daily Max	43	430	930	93	2,300	4,300	4,300	46,000	24,000
	Overall Geometric Mean	**13**	**55**	**109**	**13**	**63**	**334**	**58**	**202**	**369**
	Percent Greater than 400 MPN/100 mL	0%	5%	18%	0%	9%	36%	14%	41%	59%
	Number of Samples (including duplicates)	22	22	17	22	22	22	22	22	22
	Bay Fecal Coliform Blank	<3	<3	<3	<3	<3	<3	<3	<3	<3
Rain Data*	Rain total - day of sampling (in time prior to sampling)	0.02	0	0	0	0	0	0	0.7	0
	Rain total - 1 day prior to sampling	0	0.2	0.07	0	0.26	0.35	0	0	0.42
	Rain total - 2 days prior to sampling	0	0	0.97	0	0	0.29	1.32	0	0
	Rain total - 3 days prior to sampling	0	0.13	0	0	0	3.18	0	1.77	0
	Rain total - 4 days prior to sampling	0.14	0.01	0	0	0	0	0	0.3	0
	Rain total - 5 days prior to sampling	0.04	0	0.14	0	0	0	0	0.01	0.16
	Total Rainfall	**0.2**	**0.34**	**1.18**	**0**	**0.26**	**3.82**	**1.32**	**2.78**	**0.58**
Tides**	High Tide	13:05	11:20	11:41	10:15	10:28	9:10	9:20	8:00	8:14
	Low Tide	5:40	4:23	4:48	15:21	15:22	14:18	14:13	13:10	13:07

T = Trace rainfall

*Rain data are from TF Green

**Tide data are from USHarbors.com

Table 33. Bay Fecal coliform data

Results are in MPN/100 mL or Most Probable Number/100

	Date	7/29/2015	8/4/2015	8/5/2015	8/6/2015	8/13/2015	8/26/2015	9/10/2015	9/23/2015	10/7/2015
Seekonk River	**Division St Dock**	230	46,000	2,300	93	430	75	230	93	93
	Bishop Pt	2,300	46,000	430	930	230	93	75	23	43
	Off BP Outfall	930	4,300	930	93	230	43	75	93	75
	Phillipsdale Landing	4,300	430	230	93	150	75	230	9	230
	Phillipsdale Landing Duplicate	4,300	430	430	93	93	430	230	43	93
	Narr Boating Center	930	93	930	93	43	23	93	23	43
	Crook Pt	750	230	430	93	15	75	93	23	93
Providence River	**Comm. Boating Center**	93	93	930	43	23	9	9	4	23
	Point St Bridge	430	24,000	15,000	2,300	430	230	230	150	930
	Collier Pt Park	230	930	14	75	430	7	23	9	23
	Off FP Outfall	23	43	390	230	23	93	43	23	23
	South FP East	150	230	930	23	93	43	43	9	9
	Save the Bay	23	9	430	23	9	43	4	3	4
	Edgewood Yacht Club	43		230	23	23	15	23	9	23
	Pawt/Prov Junction	23		1,500	43	93	43	7	9	9
	Gaspee Pt	230		150	43	23	23	93	9	93
	Bullock Neck	4		75	3	3	43	3	43	9
	Bullocks Reach Buoy	23		750	43	15	230	3	3	7
	Shawomet	4		43	9	9	230	4	4	4
	North of Nayatt Point	3		430	9	3	15	3	3	4
	Conimicut Pt	150		150	23	4	15	3	3	15
	Conimicut Pt Duplicate	430		150	9	9	43	4	9	4
	Seekonk River Geometric Mean	1,302	1,668	623	129	111	77	129	33	82
	Providence River Geometric Mean	47	239	319	34	22	39	11	9	15
	Daily Max	4,300	46,000	15,000	2,300	430	430	230	150	930
	Overall Geometric Mean	**135**	**680**	**395**	**52**	**37**	**49**	**25**	**13**	**26**
	Percent Greater than 400 MPN/100 mL	36%	54%	59%	9%	14%	5%	0%	0%	5%
	Number of Samples (including duplicates)	22	13	22	22	22	22	22	22	22
	Bay Fecal Coliform Blank	<3	<3	<3	<3	<3	<3	<3	<3	<3
Rain Data*	Rain total - day of sampling (in time prior to sampling)	0	1.08	0	0	0	0	0.04	0	0
	Rain total - 1 day prior to sampling	0	0	1.08	0	0	0.68	0	0	0
	Rain total - 2 days prior to sampling	0.44	0	0	1.08	0.99	T	0	0	0
	Rain total - 3 days prior to sampling	0.05	T	0	0	0	T	0	T	0
	Rain total - 4 days prior to sampling	0	0	T	0	T	0	0	0	0.05
	Rain total - 5 days prior to sampling	0.03	0.08	0	T	0	0.03	0	0	0.51
	Total Rainfall	**0.52**	**1.16**	**1.08**	**1.08**	**0.99**	**0.71**	**0.04**	**0**	**0.56**
Tides**	High Tide	6:44	11:52	12:48	13:46	7:54	5:18	6:46	16:20	16:25
	Low Tide	12:00	4:41	5:26	6:16	12:52	10:45	12:32	9:15	9:28

T = Trace rainfall

*Rain data are from TF Green

**Tide data are from USHarbors.com

Table 33. Bay Fecal coliform data

Results are in MPN/100 mL or Most Probable Number/100

	Date	10/21/2015	11/4/2015	11/18/2015	12/2/2015	12/16/2015	Annual Geomean	Annual Min	Annual Max
Seekonk River	**Division St Dock**	43	43	9	150	210	221	9	46,000
	Bishop Pt	93	230	9	43	430	172	9	46,000
	Off BP Outfall	23	93	43	23	930	175	23	24,000
	Phillipsdale Landing	43	75	4	430	930	143	4	4,300
	Phillipsdale Landing Duplicate	23	230	43	230	430			
	Narr Boating Center	23	75	4	230	230	111	4	4,300
	Crook Pt	43	93	9	430	430	114	9	1,500
Providence River	**Comm. Boating Center**	9	43	4	230	93	52	4	930
	Point St Bridge	93	430	4	430	230	504	4	24,000
	Collier Pt Park	43	43	9	230	430	106	7	24,000
	Off FP Outfall	43	15	21	23	150	70	9	930
	South FP East	3	43	23	230	230	58	3	930
	Save the Bay	43	43	4	93	150	36	3	2,300
	Edgewood Yacht Club	15	23	23	15	150	44	4	4,300
	Pawt/Prov Junction	43	15	93	430	150	52	3	1,500
	Gaspee Pt	4	23	4	23	93	39	3	430
	Bullock Neck	3	4	3	9	3	11	3	150
	Bullocks Reach Buoy	3	15	9	9	23	19	3	750
	Shawomet	4	4	3	9	430	14	3	430
	North of Nayatt Point	3	9	4	9	23	8	3	430
	Conimicut Pt	4	15	4	7	15	15	3	430
	Conimicut Pt Duplicate	3	9	9	4	9			
	Seekonk River Geometric Mean	37	101	11	147	442	150	4	46,000
	Providence River Geometric Mean	10	21	8	37	73	37	3	24,000
	Daily Max	93	430	93	430	930			
	Overall Geometric Mean	**15**	**34**	**9**	**57**	**130**			
	Percent Greater than 400 MPN/100 mL	0%	5%	0%	18%	32%			
	Number of Samples (including duplicates)	22	22	22	22	22			
	Bay Fecal Coliform Blank	<3	<3	<3	<3	<3			
Rain Data*	Rain total - day of sampling (in time prior to sampling)	T	0	0	0.15	0			
	Rain total - 1 day prior to sampling	T	0	0	0.25	0.07			
	Rain total - 2 days prior to sampling	0	0	0	0	0.54			
	Rain total - 3 days prior to sampling	0	T	0	0	0			
	Rain total - 4 days prior to sampling	0	0	0	0.08	0			
	Rain total - 5 days prior to sampling	T	0	T	0	0			
	Total Rainfall	**0**	**0**	**0**	**0.48**	**0.61**			
Tides**	High Tide	14:53	14:28	12:34	12:53	11:20			
	Low Tide	7:31	7:24	5:02	5:15	16:35			

T = Trace rainfall

*Rain data are from TF Green

**Tide data are from USHarbors.com

Table 33. Bay Fecal coliform data

Table 34 - Bay Enterococci Data 2015

Results are in MPN/100 mL or Most Probable Number/100 mL								
Date	**3/25/2015**	**4/8/2015**	**4/22/2015**	**5/6/2015**	**5/20/2015**	**6/3/2015**	**6/17/2015**	**7/15/2015**
Phillipsdale Landing	20	20		10	20	75	10	119
Phillipsdale Landing Duplicate	10	31		10	20	132	10	85
Point St Bridge	10	52	75	10	120	455	20	3076
South FP East	10	41	10	10	20	30	10	10
Gaspee Pt	10	10	73	10	10	20	10	20
Conimicut Pt	10	10	10	10	30	10	10	10
Conimicut Pt Duplicate	10	10	20	10	10	10	10	20
Seekonk River Geometric Mean	14	25		10	20	99	10	101
Providence River Geometric Mean	10	18	26	10	24	31	11	41
Daily Max	20	52	75	10	120	455	20	3076
Final Sample Day Geomean	**11**	**20**	**26**	**10**	**22**	**43**	**11**	**53**

Table 34 - Bay Enterococci Data 2015

Results are in MPN/100 mL or Most Probable Number/10								
Date	**7/29/2015**	**8/6/2015**	**8/13/2015**	**8/26/2015**	**9/10/2015**	**9/23/2015**	**10/7/2015**	**10/21/2015**
Phillipsdale Landing	31	10,112	10	73	395	10	10	74
Phillipsdale Landing Duplicate	30		10	41	341	10	10	175
Point St Bridge	63	10,112	52	10	41	10	161	41
South FP East	10	8,164	10	10	10	10	10	10
Gaspee Pt	10	6,867	10	30	10	10	10	10
Conimicut Pt	10	3,448	10	10	10	10	10	10
Conimicut Pt Duplicate	10	5,172	10	10	10	10	10	10
Seekonk River Geometric Mean	30	10,112	10	55	367	10	10	114
Providence River Geometric Mean	14	6,323	14	12	13	10	17	13
Daily Max	63	10,112	52	73	395	10	161	175
Final Sample Day Geomean	**18**	**6,838**	**13**	**19**	**34**	**10**	**15**	**25**

Table 34 - Bay Enterococci Data 2015

Results are in MPN/100 mL or Most Probable Number/10							
Date	**11/4/2015**	**11/18/2015**	**12/2/2015**	**12/16/2015**	**Annual Geomean**	**Annual Min**	**Annual Max**
Phillipsdale Landing	10	10	52	20	10	10,112	32
Phillipsdale Landing Duplicate	10	10	131	20			
Point St Bridge	75	20	399	119	10	10,112	79
South FP East	10	20	98	10	10	8,164	19
Gaspee Pt	10	10	120	20	10	6,867	20
Conimicut Pt	10	10	10	10	10	5,172	14
Conimicut Pt Duplicate	10	10	10	10			
Seekonk River Geometric Mean	10	10	83	20	***32***		
Providence River Geometric Mean	15	13	54	19	***23***		
Daily Max	75	20	399	119			
Final Sample Day Geomean	**13**	**12**	**61**	**19**			

All samples are from CSO wet weather overflow at North Diversion Structure (NBC CSO # 2A)

Sample Date	Sample Time	Parameter	Result	Units
8/11/2015	12:30	NO2-N EPA 353.2 - Nitrite	0.022	mg/L
8/11/2015	12:30	NO3-N EPA 353.2	0.231	ppm-n
8/11/2015	12:30	NO3NO2 EPA Method 353.2	0.253	mg/L
8/11/2015	12:30	Total_Phosphorus-P	1.2	mg/L
8/11/2015	12:30	Arsenic	1.385	ppb
8/11/2015	12:30	NH3-N EPA 350.1 - Ammonia	1.45	ppm
8/11/2015	12:30	Tetrachlorethene	3	ppb
8/11/2015	12:30	bis2ethylhexylphthal	5.2	ppb
8/11/2015	12:30	TKN - Copper Sulfate Digestion - TKN	6.5	mg N/L
8/11/2015	12:30	Fresh Water Total Nitrogen	6.753	ppm
8/11/2015	12:30	Toluene	10	ppb
8/11/2015	12:30	Chromium	10.02	ug/L
8/11/2015	12:30	Oil and Grease EPA Method 1664 (SIU)	11.34	ppm
8/11/2015	12:30	BOD SM 5210B	39.85	ppm
8/11/2015	12:30	Mercury EPA Method 245.7 - Mercury	43.1	ng/L
8/11/2015	12:30	Lead	48.09	ug/L
8/11/2015	12:30	Copper	76.48	ug/L
8/11/2015	12:30	Zinc	166.7	ug/L
8/11/2015	12:30	TSS SM 5240D - TSS	186	ppm
8/11/2015	12:30	Aluminum	1824	ug/L
8/11/2015	12:30	Iron	2944	ug/L
8/11/2015	12:30	Vinyl Chloride	<1	ppb
8/11/2015	12:30	Trichlorofluoromethane	<1	ppb
8/11/2015	12:30	1,1-Dichloroethene	<1	ppb
8/11/2015	12:30	Trans-1,2-Dichloroethene	<1	ppb
8/11/2015	12:30	1,1-Dichloroethane	<1	ppb
8/11/2015	12:30	Chloroform	<1	ppb
8/11/2015	12:30	1,1,1-Trichloroethane	<1	ppb
8/11/2015	12:30	Carbon Tetrachloride	<1	ppb
8/11/2015	12:30	Benzene	<1	ppb
8/11/2015	12:30	1,2-Dichloroethane	<1	ppb
8/11/2015	12:30	Trichlorethene	<1	ppb
8/11/2015	12:30	1,2-Dichloropropane	<1	ppb
8/11/2015	12:30	Bromodichloromethane	<1	ppb
8/11/2015	12:30	cis-1,3-Dichloropropene	<1	ppb
8/11/2015	12:30	Trans-1,3-Dichloropropene	<1	ppb
8/11/2015	12:30	1,1,2-Trichloroethane	<1	ppb
8/11/2015	12:30	Dibromochloromethane	<1	ppb
8/11/2015	12:30	Chlorobenzene	<1	ppb
8/11/2015	12:30	Ethylbenzene	<1	ppb
8/11/2015	12:30	Bromoform	<1	ppb
8/11/2015	12:30	1,1,2,2-Tetrachlorethane	<1	ppb
8/11/2015	12:30	1,3-dichlorobenzene	<1	ppb
8/11/2015	12:30	1,4-dichlorobenzene	<1	ppb
8/11/2015	12:30	1,2-dichlorobenzene	<1	ppb
8/11/2015	12:30	p&m xylene	<1	ppb
8/11/2015	12:30	o- xylene	<1	ppb
8/11/2015	12:30	Chloromethane	<10	ppb
8/11/2015	12:30	Bromomethane	<10	ppb
8/11/2015	12:30	Chloroethane	<10	ppb
8/11/2015	12:30	Nickel	<10	ug/L
8/11/2015	12:30	2-Chloroethylvinylether	<2	ppb
8/11/2015	12:30	Cadmium	<2.5	ug/L
8/11/2015	12:30	Cyanide	<4.00	ppb
8/11/2015	12:30	Methylene Chloride	<5	ppb
8/11/2015	12:30	Acenaphthene	<5.1	ppb
8/11/2015	12:30	Acenaphthylene	<5.1	ppb

All samples are from CSO wet weather overflow at North Diversion Structure (NBC CSO # 2A)

Sample Date	Sample Time	Parameter	Result	Units
8/11/2015	12:30	Anthracene	<5.1	ppb
8/11/2015	12:30	Benzidine	<5.1	ppb
8/11/2015	12:30	Benzo(a)anthracene	<5.1	ppb
8/11/2015	12:30	Benzo(b)fluoranthene	<5.1	ppb
8/11/2015	12:30	Benzo(k)fluoranthene	<5.1	ppb
8/11/2015	12:30	Benzo(g,h,i)perylene	<5.1	ppb
8/11/2015	12:30	Benzo(a)pyrene	<5.1	ppb
8/11/2015	12:30	bis2chloroethylether	<5.1	ppb
8/11/2015	12:30	bis2chloroethoxymeth	<5.1	ppb
8/11/2015	12:30	bis2chloroisoproethe	<5.1	ppb
8/11/2015	12:30	4Bromophenphenether	<5.1	ppb
8/11/2015	12:30	Butylbenzylphthalate	<5.1	ppb
8/11/2015	12:30	2-Chloronaphthalene	<5.1	ppb
8/11/2015	12:30	4Chlorophenphenether	<5.1	ppb
8/11/2015	12:30	Chrysene	<5.1	ppb
8/11/2015	12:30	Dibenzoahanthracene	<5.1	ppb
8/11/2015	12:30	di-n-butylphthalate	<5.1	ppb
8/11/2015	12:30	1,2-Dichlorobenzene	<5.1	ppb
8/11/2015	12:30	1,3-Dichlorobenzene	<5.1	ppb
8/11/2015	12:30	1,4-Dichlorobenzene	<5.1	ppb
8/11/2015	12:30	33-Dichlorobenzidine	<5.1	ppb
8/11/2015	12:30	Diethylphthalate	<5.1	ppb
8/11/2015	12:30	Dimethylphthalate	<5.1	ppb
8/11/2015	12:30	2,4-Dinitrotoluene	<5.1	ppb
8/11/2015	12:30	2,6-Dinitrotoluene	<5.1	ppb
8/11/2015	12:30	Di-n-octylphthalate	<5.1	ppb
8/11/2015	12:30	12-Diphenylhydrazine	<5.1	ppb
8/11/2015	12:30	Fluoranthene	<5.1	ppb
8/11/2015	12:30	Fluorene	<5.1	ppb
8/11/2015	12:30	Hexachlorobenzene	<5.1	ppb
8/11/2015	12:30	Hexachlorobutadiene	<5.1	ppb
8/11/2015	12:30	Hexaclcyclopentadien	<5.1	ppb
8/11/2015	12:30	Hexachloroethane	<5.1	ppb
8/11/2015	12:30	Indeno(123-cd)pyrene	<5.1	ppb
8/11/2015	12:30	Isophorone	<5.1	ppb
8/11/2015	12:30	Naphthalene	<5.1	ppb
8/11/2015	12:30	Nitrobenzene	<5.1	ppb
8/11/2015	12:30	Nnitrosodimethylamin	<5.1	ppb
8/11/2015	12:30	Nnitrosodiphenylamin	<5.1	ppb
8/11/2015	12:30	Nnitrosodinpropylami	<5.1	ppb
8/11/2015	12:30	Phenanthrene	<5.1	ppb
8/11/2015	12:30	Pyrene	<5.1	ppb
8/11/2015	12:30	124-Trichlorobenzene	<5.1	ppb
8/11/2015	12:30	4Chloro3methylphenol	<5.1	ppb
8/11/2015	12:30	2-Chlorophenol	<5.1	ppb
8/11/2015	12:30	2,4-Dichlorophenol	<5.1	ppb
8/11/2015	12:30	2,4-Dimethylphenol	<5.1	ppb
8/11/2015	12:30	2Methyl46dinitrophen	<5.1	ppb
8/11/2015	12:30	2,4-Dinitrophenol	<5.1	ppb
8/11/2015	12:30	4-Nitrophenol	<5.1	ppb
8/11/2015	12:30	Pentachlorophenol	<5.1	ppb
8/11/2015	12:30	Phenol	<5.1	ppb
8/11/2015	12:30	246-Trichlorophenol	<5.1	ppb
8/11/2015	12:30	2-Nitrophenol	<5.1	ppb
8/11/2015	12:30	Fecal Coliform (3 tube) SM 9221E - Fecal	>240,000	MPN/100 ml
8/11/2015	12:30	Enterococci - IDEXX Method 1600	>2,419.6	MPN/100 ml
8/11/2015	12:50	NO2-N EPA 353.2 - Nitrite	0.0213	mg/L

All samples are from CSO wet weather overflow at North Diversion Structure (NBC CSO # 2A)

Sample Date	Sample Time	Parameter	Result	Units
8/11/2015	12:50	NO3-N EPA 353.2	0.1997	ppm-n
8/11/2015	12:50	NO3NO2 EPA Method 353.2	0.221	mg/L
8/11/2015	12:50	Arsenic	1.339	ppb
8/11/2015	12:50	Total_Phosphorus-P	1.39	mg/L
8/11/2015	12:50	NH3-N EPA 350.1 - Ammonia	1.46	ppm
8/11/2015	12:50	Tetrachlorethene	2	ppb
8/11/2015	12:50	TKN - Copper Sulfate Digestion - TKN	7.05	mg N/L
8/11/2015	12:50	Fresh Water Total Nitrogen	7.271	ppm
8/11/2015	12:50	Butylbenzylphthalate	8.2	ppb
8/11/2015	12:50	Toluene	11	ppb
8/11/2015	12:50	Lead	39.62	ug/L
8/11/2015	12:50	BOD SM 5210B	40.95	ppm
8/11/2015	12:50	Oil and Grease EPA Method 1664 (SIU)	46.75	ppm
8/11/2015	12:50	Copper	50.33	ug/L
8/11/2015	12:50	Mercury EPA Method 245.7 - Mercury	92.9	ng/L
8/11/2015	12:50	Zinc	138.5	ug/L
8/11/2015	12:50	TSS SM 5240D - TSS	142	ppm
8/11/2015	12:50	Aluminum	1,518	ug/L
8/11/2015	12:50	Iron	2,387	ug/L
8/11/2015	12:50	Vinyl Chloride	<1	ppb
8/11/2015	12:50	Trichlorofluoromethane	<1	ppb
8/11/2015	12:50	1,1-Dichloroethene	<1	ppb
8/11/2015	12:50	Trans-1,2-Dichloroethene	<1	ppb
8/11/2015	12:50	1,1-Dichloroethane	<1	ppb
8/11/2015	12:50	Chloroform	<1	ppb
8/11/2015	12:50	1,1,1-Trichloroethane	<1	ppb
8/11/2015	12:50	Carbon Tetrachloride	<1	ppb
8/11/2015	12:50	Benzene	<1	ppb
8/11/2015	12:50	1,2-Dichloroethane	<1	ppb
8/11/2015	12:50	Trichlorethene	<1	ppb
8/11/2015	12:50	1,2-Dichloropropane	<1	ppb
8/11/2015	12:50	Bromodichloromethane	<1	ppb
8/11/2015	12:50	cis-1,3-Dichloropropene	<1	ppb
8/11/2015	12:50	Trans-1,3-Dichloropropene	<1	ppb
8/11/2015	12:50	1,1,2-Trichloroethane	<1	ppb
8/11/2015	12:50	Dibromochloromethane	<1	ppb
8/11/2015	12:50	Chlorobenzene	<1	ppb
8/11/2015	12:50	Ethylbenzene	<1	ppb
8/11/2015	12:50	Bromoform	<1	ppb
8/11/2015	12:50	1,1,2,2-Tetrachlorethane	<1	ppb
8/11/2015	12:50	1,3-dichlorobenzene	<1	ppb
8/11/2015	12:50	1,4-dichlorobenzene	<1	ppb
8/11/2015	12:50	1,2-dichlorobenzene	<1	ppb
8/11/2015	12:50	p&m xylene	<1	ppb
8/11/2015	12:50	o- xylene	<1	ppb
8/11/2015	12:50	Chloromethane	<10	ppb
8/11/2015	12:50	Bromomethane	<10	ppb
8/11/2015	12:50	Chloroethane	<10	ppb
8/11/2015	12:50	Chromium	<10	ug/L
8/11/2015	12:50	Nickel	<10	ug/L
8/11/2015	12:50	2-Chloroethylvinylether	<2	ppb
8/11/2015	12:50	Cadmium	<2.5	ug/L
8/11/2015	12:50	Cyanide	<4.00	ppb
8/11/2015	12:50	Methylene Chloride	<5	ppb
8/11/2015	12:50	Acenaphthene	<5.0	ppb
8/11/2015	12:50	Acenaphthylene	<5.0	ppb
8/11/2015	12:50	Anthracene	<5.0	ppb

All samples are from CSO wet weather overflow at North Diversion Structure (NBC CSO # 2A)

Sample Date	Sample Time	Parameter	Result	Units
8/11/2015	12:50	Benzidine	<5.0	ppb
8/11/2015	12:50	Benzo(a)anthracene	<5.0	ppb
8/11/2015	12:50	Benzo(b)fluoranthene	<5.0	ppb
8/11/2015	12:50	Benzo(k)fluoranthene	<5.0	ppb
8/11/2015	12:50	Benzo(g,h,i)perylene	<5.0	ppb
8/11/2015	12:50	Benzo(a)pyrene	<5.0	ppb
8/11/2015	12:50	bis2chloroethylether	<5.0	ppb
8/11/2015	12:50	bis2chloroethoxymeth	<5.0	ppb
8/11/2015	12:50	bis2chloroisoproethe	<5.0	ppb
8/11/2015	12:50	bis2ethylhexylphthal	<5.0	ppb
8/11/2015	12:50	4Bromophenphenether	<5.0	ppb
8/11/2015	12:50	2-Chloronaphthalene	<5.0	ppb
8/11/2015	12:50	4Chlorophenphenether	<5.0	ppb
8/11/2015	12:50	Chrysene	<5.0	ppb
8/11/2015	12:50	Dibenzoahanthracene	<5.0	ppb
8/11/2015	12:50	di-n-butylphthalate	<5.0	ppb
8/11/2015	12:50	1,2-Dichlorobenzene	<5.0	ppb
8/11/2015	12:50	1,3-Dichlorobenzene	<5.0	ppb
8/11/2015	12:50	1,4-Dichlorobenzene	<5.0	ppb
8/11/2015	12:50	33-Dichlorobenzidine	<5.0	ppb
8/11/2015	12:50	Diethylphthalate	<5.0	ppb
8/11/2015	12:50	Dimethylphthalate	<5.0	ppb
8/11/2015	12:50	2,4-Dinitrotoluene	<5.0	ppb
8/11/2015	12:50	2,6-Dinitrotoluene	<5.0	ppb
8/11/2015	12:50	Di-n-octylphthalate	<5.0	ppb
8/11/2015	12:50	12-Diphenylhydrazine	<5.0	ppb
8/11/2015	12:50	Fluoranthene	<5.0	ppb
8/11/2015	12:50	Fluorene	<5.0	ppb
8/11/2015	12:50	Hexachlorobenzene	<5.0	ppb
8/11/2015	12:50	Hexachlorobutadiene	<5.0	ppb
8/11/2015	12:50	Hexaclcyclopentadien	<5.0	ppb
8/11/2015	12:50	Hexachloroethane	<5.0	ppb
8/11/2015	12:50	Indeno(123-cd)pyrene	<5.0	ppb
8/11/2015	12:50	Isophorone	<5.0	ppb
8/11/2015	12:50	Naphthalene	<5.0	ppb
8/11/2015	12:50	Nitrobenzene	<5.0	ppb
8/11/2015	12:50	Nnitrosodimethylamin	<5.0	ppb
8/11/2015	12:50	Nnitrosodiphenylamin	<5.0	ppb
8/11/2015	12:50	Nnitrosodinpropylami	<5.0	ppb
8/11/2015	12:50	Phenanthrene	<5.0	ppb
8/11/2015	12:50	Pyrene	<5.0	ppb
8/11/2015	12:50	124-Trichlorobenzene	<5.0	ppb
8/11/2015	12:50	4Chloro3methylphenol	<5.0	ppb
8/11/2015	12:50	2-Chlorophenol	<5.0	ppb
8/11/2015	12:50	2,4-Dichlorophenol	<5.0	ppb
8/11/2015	12:50	2,4-Dimethylphenol	<5.0	ppb
8/11/2015	12:50	2Methyl46dinitrophen	<5.0	ppb
8/11/2015	12:50	2,4-Dinitrophenol	<5.0	ppb
8/11/2015	12:50	4-Nitrophenol	<5.0	ppb
8/11/2015	12:50	Pentachlorophenol	<5.0	ppb
8/11/2015	12:50	Phenol	<5.0	ppb
8/11/2015	12:50	246-Trichlorophenol	<5.0	ppb
8/11/2015	12:50	2-Nitrophenol	<5.0	ppb
8/11/2015	12:50	Fecal Coliform (3 tube) SM 9221E - Fecal	>240,000	MPN/100 ml
8/11/2015	12:50	Enterococci - IDEXX Method 1600	>2,419.6	MPN/100 ml
8/11/2015	13:00	NO2-N EPA 353.2 - Nitrite	0.0214	mg/L
8/11/2015	13:00	NO3-N EPA 353.2	0.2106	ppm-n

All samples are from CSO wet weather overflow at North Diversion Structure (NBC CSO # 2A)

Sample Date	Sample Time	Parameter	Result	Units
8/11/2015	13:00	NO3NO2 EPA Method 353.2	0.232	mg/L
8/11/2015	13:00	Tetrachlorethene	1	ppb
8/11/2015	13:00	Total_Phosphorus-P	1.13	mg/L
8/11/2015	13:00	Arsenic	1.405	ppb
8/11/2015	13:00	NH3-N EPA 350.1 - Ammonia	1.81	ppm
8/11/2015	13:00	TKN - Copper Sulfate Digestion - TKN	6.37	mg N/L
8/11/2015	13:00	Fresh Water Total Nitrogen	6.602	ppm
8/11/2015	13:00	Toluene	9	ppb
8/11/2015	13:00	Nickel	10.93	ug/L
8/11/2015	13:00	Oil and Grease EPA Method 1664 (SIU)	16.06	ppm
8/11/2015	13:00	Mercury EPA Method 245.7 - Mercury	35.3	ng/L
8/11/2015	13:00	BOD SM 5210B	41.15	ppm
8/11/2015	13:00	Copper	60.85	ug/L
8/11/2015	13:00	Lead	64.15	ug/L
8/11/2015	13:00	TSS SM 5240D - TSS	124	ppm
8/11/2015	13:00	Zinc	185.2	ug/L
8/11/2015	13:00	Aluminum	1,734	ug/L
8/11/2015	13:00	Iron	3,243	ug/L
8/11/2015	13:00	Vinyl Chloride	<1	ppb
8/11/2015	13:00	Trichlorofluoromethane	<1	ppb
8/11/2015	13:00	1,1-Dichloroethene	<1	ppb
8/11/2015	13:00	Trans-1,2-Dichloroethene	<1	ppb
8/11/2015	13:00	1,1-Dichloroethane	<1	ppb
8/11/2015	13:00	Chloroform	<1	ppb
8/11/2015	13:00	1,1,1-Trichloroethane	<1	ppb
8/11/2015	13:00	Carbon Tetrachloride	<1	ppb
8/11/2015	13:00	Benzene	<1	ppb
8/11/2015	13:00	1,2-Dichloroethane	<1	ppb
8/11/2015	13:00	Trichlorethene	<1	ppb
8/11/2015	13:00	1,2-Dichloropropane	<1	ppb
8/11/2015	13:00	Bromodichloromethane	<1	ppb
8/11/2015	13:00	cis-1,3-Dichloropropene	<1	ppb
8/11/2015	13:00	Trans-1,3-Dichloropropene	<1	ppb
8/11/2015	13:00	1,1,2-Trichloroethane	<1	ppb
8/11/2015	13:00	Dibromochloromethane	<1	ppb
8/11/2015	13:00	Chlorobenzene	<1	ppb
8/11/2015	13:00	Ethylbenzene	<1	ppb
8/11/2015	13:00	Bromoform	<1	ppb
8/11/2015	13:00	1,1,2,2-Tetrachlorethane	<1	ppb
8/11/2015	13:00	1,3-dichlorobenzene	<1	ppb
8/11/2015	13:00	1,4-dichlorobenzene	<1	ppb
8/11/2015	13:00	1,2-dichlorobenzene	<1	ppb
8/11/2015	13:00	p&m xylene	<1	ppb
8/11/2015	13:00	o- xylene	<1	ppb
8/11/2015	13:00	Chloromethane	<10	ppb
8/11/2015	13:00	Bromomethane	<10	ppb
8/11/2015	13:00	Chloroethane	<10	ppb
8/11/2015	13:00	Chromium	<10	ug/L
8/11/2015	13:00	2-Chloroethylvinylether	<2	ppb
8/11/2015	13:00	Cadmium	<2.5	ug/L
8/11/2015	13:00	Cyanide	<4.00	ppb
8/11/2015	13:00	Methylene Chloride	<5	ppb
8/11/2015	13:00	Acenaphthene	<5.0	ppb
8/11/2015	13:00	Acenaphthylene	<5.0	ppb
8/11/2015	13:00	Anthracene	<5.0	ppb
8/11/2015	13:00	Benzidine	<5.0	ppb
8/11/2015	13:00	Benzo(a)anthracene	<5.0	ppb

All samples are from CSO wet weather overflow at North Diversion Structure (NBC CSO # 2A)

Sample Date	Sample Time	Parameter	Result	Units
8/11/2015	13:00	Benzo(b)fluoranthene	<5.0	ppb
8/11/2015	13:00	Benzo(k)fluoranthene	<5.0	ppb
8/11/2015	13:00	Benzo(g,h,i)perylene	<5.0	ppb
8/11/2015	13:00	Benzo(a)pyrene	<5.0	ppb
8/11/2015	13:00	bis2chloroethylether	<5.0	ppb
8/11/2015	13:00	bis2chloroethoxymeth	<5.0	ppb
8/11/2015	13:00	bis2chloroisoproethe	<5.0	ppb
8/11/2015	13:00	bis2ethylhexylphthal	<5.0	ppb
8/11/2015	13:00	4Bromophenphenether	<5.0	ppb
8/11/2015	13:00	Butylbenzylphthalate	<5.0	ppb
8/11/2015	13:00	2-Chloronaphthalene	<5.0	ppb
8/11/2015	13:00	4Chlorophenphenether	<5.0	ppb
8/11/2015	13:00	Chrysene	<5.0	ppb
8/11/2015	13:00	Dibenzoahanthracene	<5.0	ppb
8/11/2015	13:00	di-n-butylphthalate	<5.0	ppb
8/11/2015	13:00	1,2-Dichlorobenzene	<5.0	ppb
8/11/2015	13:00	1,3-Dichlorobenzene	<5.0	ppb
8/11/2015	13:00	1,4-Dichlorobenzene	<5.0	ppb
8/11/2015	13:00	33-Dichlorobenzidine	<5.0	ppb
8/11/2015	13:00	Diethylphthalate	<5.0	ppb
8/11/2015	13:00	Dimethylphthalate	<5.0	ppb
8/11/2015	13:00	2,4-Dinitrotoluene	<5.0	ppb
8/11/2015	13:00	2,6-Dinitrotoluene	<5.0	ppb
8/11/2015	13:00	Di-n-octylphthalate	<5.0	ppb
8/11/2015	13:00	12-Diphenylhydrazine	<5.0	ppb
8/11/2015	13:00	Fluoranthene	<5.0	ppb
8/11/2015	13:00	Fluorene	<5.0	ppb
8/11/2015	13:00	Hexachlorobenzene	<5.0	ppb
8/11/2015	13:00	Hexachlorobutadiene	<5.0	ppb
8/11/2015	13:00	Hexaclcyclopentadien	<5.0	ppb
8/11/2015	13:00	Hexachloroethane	<5.0	ppb
8/11/2015	13:00	Indeno(123-cd)pyrene	<5.0	ppb
8/11/2015	13:00	Isophorone	<5.0	ppb
8/11/2015	13:00	Naphthalene	<5.0	ppb
8/11/2015	13:00	Nitrobenzene	<5.0	ppb
8/11/2015	13:00	Nnitrosodimethylamin	<5.0	ppb
8/11/2015	13:00	Nnitrosodiphenylamin	<5.0	ppb
8/11/2015	13:00	Nnitrosodinpropylami	<5.0	ppb
8/11/2015	13:00	Phenanthrene	<5.0	ppb
8/11/2015	13:00	Pyrene	<5.0	ppb
8/11/2015	13:00	124-Trichlorobenzene	<5.0	ppb
8/11/2015	13:00	4Chloro3methylphenol	<5.0	ppb
8/11/2015	13:00	2-Chlorophenol	<5.0	ppb
8/11/2015	13:00	2,4-Dichlorophenol	<5.0	ppb
8/11/2015	13:00	2,4-Dimethylphenol	<5.0	ppb
8/11/2015	13:00	2Methyl46dinitrophen	<5.0	ppb
8/11/2015	13:00	2,4-Dinitrophenol	<5.0	ppb
8/11/2015	13:00	4-Nitrophenol	<5.0	ppb
8/11/2015	13:00	Pentachlorophenol	<5.0	ppb
8/11/2015	13:00	Phenol	<5.0	ppb
8/11/2015	13:00	246-Trichlorophenol	<5.0	ppb
8/11/2015	13:00	2-Nitrophenol	<5.0	ppb
8/11/2015	13:00	Fecal Coliform (3 tube) SM 9221E - Fecal	>240,000	MPN/100 ml
8/11/2015	13:00	Enterococci - IDEXX Method 1600	>2,419.6	MPN/100 ml

All samples are from CSO Wet weather Overflow at Mossassuck Street (NBC CSO # 220)

Sample Date	Sample Tim	Parameter	Result	Units
6/15/2015	9:15	1,1,1-Trichloroethane	<1	ppb
6/15/2015	9:15	1,1,2,2-Tetrachlorethane	<1	ppb
6/15/2015	9:15	1,1,2-Trichloroethane	<1	ppb
6/15/2015	9:15	1,1-Dichloroethane	<1	ppb
6/15/2015	9:15	1,1-Dichloroethene	<1	ppb
6/15/2015	9:15	1,2-dichlorobenzene	<1	ppb
6/15/2015	9:15	1,2-Dichlorobenzene	<130	ppb
6/15/2015	9:15	1,2-Dichloroethane	<1	ppb
6/15/2015	9:15	1,2-Dichloropropane	<1	ppb
6/15/2015	9:15	1,3-dichlorobenzene	<1	ppb
6/15/2015	9:15	1,3-Dichlorobenzene	<130	ppb
6/15/2015	9:15	1,4-dichlorobenzene	<1	ppb
6/15/2015	9:15	1,4-Dichlorobenzene	<130	ppb
6/15/2015	9:15	124-Trichlorobenzene	<130	ppb
6/15/2015	9:15	12-Diphenylhydrazine	<130	ppb
6/15/2015	9:15	2,4-Dichlorophenol	<130	ppb
6/15/2015	9:15	2,4-Dimethylphenol	<130	ppb
6/15/2015	9:15	2,4-Dinitrophenol	<130	ppb
6/15/2015	9:15	2,4-Dinitrotoluene	<130	ppb
6/15/2015	9:15	2,6-Dinitrotoluene	<130	ppb
6/15/2015	9:15	246-Trichlorophenol	<130	ppb
6/15/2015	9:15	2-Chloroethylvinylether	<2	ppb
6/15/2015	9:15	2-Chloronaphthalene	<130	ppb
6/15/2015	9:15	2-Chlorophenol	<130	ppb
6/15/2015	9:15	2Methyl46dinitrophen	<130	ppb
6/15/2015	9:15	2-Nitrophenol	<130	ppb
6/15/2015	9:15	33-Dichlorobenzidine	<130	ppb
6/15/2015	9:15	4Bromophenphenether	<130	ppb
6/15/2015	9:15	4Chloro3methylphenol	<130	ppb
6/15/2015	9:15	4Chlorophenphenether	<130	ppb
6/15/2015	9:15	4-Nitrophenol	<130	ppb
6/15/2015	9:15	Acenaphthene	<130	ppb
6/15/2015	9:15	Acenaphthylene	<130	ppb
6/15/2015	9:15	Aluminum	61.993	ppb
6/15/2015	9:15	Aluminum	1397	ug/L
6/15/2015	9:15	Anthracene	<130	ppb
6/15/2015	9:15	Arsenic	0.773	ppb
6/15/2015	9:15	Benzene	<1	ppb
6/15/2015	9:15	Benzidine	<130	ppb
6/15/2015	9:15	Benzo(a)anthracene	<130	ppb
6/15/2015	9:15	Benzo(a)pyrene	<130	ppb
6/15/2015	9:15	Benzo(b)fluoranthene	<130	ppb
6/15/2015	9:15	Benzo(g,h,i)perylene	<130	ppb
6/15/2015	9:15	Benzo(k)fluoranthene	<130	ppb
6/15/2015	9:15	bis2chloroethoxymeth	<130	ppb
6/15/2015	9:15	bis2chloroethylether	<130	ppb
6/15/2015	9:15	bis2chloroisoproethe	<130	ppb
6/15/2015	9:15	bis2ethylhexylphthal	<130	ppb
6/15/2015	9:15	BOD SM 5210B	55.64	ppm
6/15/2015	9:15	Bromodichloromethane	<1	ppb
6/15/2015	9:15	Bromoform	<1	ppb
6/15/2015	9:15	Bromomethane	<10	ppb
6/15/2015	9:15	Butylbenzylphthalate	<130	ppb
6/15/2015	9:15	Carbon Tetrachloride	<1	ppb
6/15/2015	9:15	Chlorobenzene	<1	ppb
6/15/2015	9:15	Chloroethane	<10	ppb
6/15/2015	9:15	Chloroform	1	ppb
6/15/2015	9:15	Chloromethane	<10	ppb

All samples are from CSO Wet weather Overflow at Mossassuck Street (NBC CSO # 220)

Sample Date	Sample Tim	Parameter	Result	Units
6/15/2015	9:15	Chrysene	<130	ppb
6/15/2015	9:15	cis-1,3-Dichloropropene	<1	ppb
6/15/2015	9:15	Cyanide	4.83	ppb
6/15/2015	9:15	Dibenzoahanthracene	<130	ppb
6/15/2015	9:15	Dibromochloromethane	<1	ppb
6/15/2015	9:15	Diethylphthalate	<130	ppb
6/15/2015	9:15	Dimethylphthalate	<130	ppb
6/15/2015	9:15	di-n-butylphthalate	<130	ppb
6/15/2015	9:15	Di-n-octylphthalate	<130	ppb
6/15/2015	9:15	Dissolved Cadmium	0.041	ppb
6/15/2015	9:15	Dissolved Chromium	1.894	ppb
6/15/2015	9:15	Dissolved Copper	10.022	ppb
6/15/2015	9:15	Dissolved Iron	190.9	ppb
6/15/2015	9:15	Dissolved Lead	2.752	ppb
6/15/2015	9:15	Dissolved Nickel	1.204	ppb
6/15/2015	9:15	Dissolved Zinc	53.943	ppb
6/15/2015	9:15	Enterococci - IDEXX Method 1600	>2,419.6	MPN/100 ml
6/15/2015	9:15	Ethylbenzene	<1	ppb
6/15/2015	9:15	Fecal Coliform (3 tube) SM 9221E - Fecal	>240,000	MPN/100 ml
6/15/2015	9:15	Fluoranthene	<130	ppb
6/15/2015	9:15	Fluorene	<130	ppb
6/15/2015	9:15	Fresh Water Total Nitrogen	7.762	ppm
6/15/2015	9:15	Hexachlorobenzene	<130	ppb
6/15/2015	9:15	Hexachlorobutadiene	<130	ppb
6/15/2015	9:15	Hexachloroethane	<130	ppb
6/15/2015	9:15	Hexaclcyclopentadien	<130	ppb
6/15/2015	9:15	Indeno(123-cd)pyrene	<130	ppb
6/15/2015	9:15	Isophorone	<130	ppb
6/15/2015	9:15	Mercury EPA Method 245.7 - Mercury	32.9	ng/L
6/15/2015	9:15	Methylene Chloride	<5	ppb
6/15/2015	9:15	Naphthalene	<130	ppb
6/15/2015	9:15	NH3-N EPA 350.1 - Ammonia	1.68	ppm
6/15/2015	9:15	Nitrobenzene	<130	ppb
6/15/2015	9:15	Nnitrosodimethylamin	<130	ppb
6/15/2015	9:15	Nnitrosodinpropylami	<130	ppb
6/15/2015	9:15	Nnitrosodiphenylamin	<130	ppb
6/15/2015	9:15	NO3NO2 EPA Method 353.2	0.322	mg/L
6/15/2015	9:15	o- xylene	<1	ppb
6/15/2015	9:15	Oil and Grease EPA Method 1664 (SIU)	8.941	ppm
6/15/2015	9:15	p&m xylene	<1	ppb
6/15/2015	9:15	Pentachlorophenol	<130	ppb
6/15/2015	9:15	Phenanthrene	<130	ppb
6/15/2015	9:15	Phenol	<130	ppb
6/15/2015	9:15	Pyrene	<130	ppb
6/15/2015	9:15	Silver	0.025	ppb
6/15/2015	9:15	Tetrachlorethene	<1	ppb
6/15/2015	9:15	TKN - Copper Sulfate Digestion - TKN	7.44	mg N/L
6/15/2015	9:15	Toluene	3	ppb
6/15/2015	9:15	Total Cadmium	<2.5	ug/L
6/15/2015	9:15	Total Chromium	<10	ug/L
6/15/2015	9:15	Total Copper	50.93	ug/L
6/15/2015	9:15	Total Iron	2590	ug/L
6/15/2015	9:15	Total Lead	39.12	ug/L
6/15/2015	9:15	Total Nickel	<10	ug/L
6/15/2015	9:15	Total Zinc	187.1	ug/L
6/15/2015	9:15	Total_Phosphorus-P	1.3	mg/L
6/15/2015	9:15	Trans-1,2-Dichloroethene	<1	ppb
6/15/2015	9:15	Trans-1,3-Dichloropropene	<1	ppb

All samples are from CSO Wet weather Overflow at Mossassuck Street (NBC CSO # 220)

Sample Date	Sample Tim	Parameter	Result	Units
6/15/2015	9:15	Trichlorethene	<1	ppb
6/15/2015	9:15	Trichlorofluoromethane	<1	ppb
6/15/2015	9:15	TSS SM 5240D - TSS	124	ppm
6/15/2015	9:15	Vinyl Chloride	<1	ppb
6/15/2015	10:15	1,1,1-Trichloroethane	<1	ppb
6/15/2015	10:15	1,1,2,2-Tetrachlorethane	<1	ppb
6/15/2015	10:15	1,1,2-Trichloroethane	<1	ppb
6/15/2015	10:15	1,1-Dichloroethane	<1	ppb
6/15/2015	10:15	1,1-Dichloroethene	<1	ppb
6/15/2015	10:15	1,2-dichlorobenzene	<1	ppb
6/15/2015	10:15	1,2-Dichlorobenzene	<130	ppb
6/15/2015	10:15	1,2-Dichloroethane	<1	ppb
6/15/2015	10:15	1,2-Dichloropropane	<1	ppb
6/15/2015	10:15	1,3-dichlorobenzene	<1	ppb
6/15/2015	10:15	1,3-Dichlorobenzene	<130	ppb
6/15/2015	10:15	1,4-dichlorobenzene	<1	ppb
6/15/2015	10:15	1,4-Dichlorobenzene	<130	ppb
6/15/2015	10:15	124-Trichlorobenzene	<130	ppb
6/15/2015	10:15	12-Diphenylhydrazine	<130	ppb
6/15/2015	10:15	2,4-Dichlorophenol	<130	ppb
6/15/2015	10:15	2,4-Dimethylphenol	<130	ppb
6/15/2015	10:15	2,4-Dinitrophenol	<130	ppb
6/15/2015	10:15	2,4-Dinitrotoluene	<130	ppb
6/15/2015	10:15	2,6-Dinitrotoluene	<130	ppb
6/15/2015	10:15	246-Trichlorophenol	<130	ppb
6/15/2015	10:15	2-Chloroethylvinylether	<2	ppb
6/15/2015	10:15	2-Chloronaphthalene	<130	ppb
6/15/2015	10:15	2-Chlorophenol	<130	ppb
6/15/2015	10:15	2Methyl46dinitrophen	<130	ppb
6/15/2015	10:15	2-Nitrophenol	<130	ppb
6/15/2015	10:15	33-Dichlorobenzidine	<130	ppb
6/15/2015	10:15	4Bromophenphenether	<130	ppb
6/15/2015	10:15	4Chloro3methylphenol	<130	ppb
6/15/2015	10:15	4Chlorophenphenether	<130	ppb
6/15/2015	10:15	4-Nitrophenol	<130	ppb
6/15/2015	10:15	Acenaphthene	<130	ppb
6/15/2015	10:15	Acenaphthylene	<130	ppb
6/15/2015	10:15	Aluminum	48.263	ppb
6/15/2015	10:15	Aluminum	1144	ug/L
6/15/2015	10:15	Anthracene	<130	ppb
6/15/2015	10:15	Arsenic	0.741	ppb
6/15/2015	10:15	Benzene	<1	ppb
6/15/2015	10:15	Benzidine	<130	ppb
6/15/2015	10:15	Benzo(a)anthracene	<130	ppb
6/15/2015	10:15	Benzo(a)pyrene	<130	ppb
6/15/2015	10:15	Benzo(b)fluoranthene	<130	ppb
6/15/2015	10:15	Benzo(g,h,i)perylene	<130	ppb
6/15/2015	10:15	Benzo(k)fluoranthene	<130	ppb
6/15/2015	10:15	bis2chloroethoxymeth	<130	ppb
6/15/2015	10:15	bis2chloroethylether	<130	ppb
6/15/2015	10:15	bis2chloroisoproethe	<130	ppb
6/15/2015	10:15	bis2ethylhexylphthal	<130	ppb
6/15/2015	10:15	BOD SM 5210B	33.34	ppm
6/15/2015	10:15	Bromodichloromethane	<1	ppb
6/15/2015	10:15	Bromoform	<1	ppb
6/15/2015	10:15	Bromomethane	<10	ppb
6/15/2015	10:15	Butylbenzylphthalate	<130	ppb
6/15/2015	10:15	Carbon Tetrachloride	<1	ppb

All samples are from CSO Wet weather Overflow at Mossassuck Street (NBC CSO # 220)

Sample Date	Sample Tim	Parameter	Result	Units
6/15/2015	10:15	Chlorobenzene	<1	ppb
6/15/2015	10:15	Chloroethane	<10	ppb
6/15/2015	10:15	Chloroform	<1	ppb
6/15/2015	10:15	Chloromethane	<10	ppb
6/15/2015	10:15	Chrysene	<130	ppb
6/15/2015	10:15	cis-1,3-Dichloropropene	<1	ppb
6/15/2015	10:15	Cyanide	5.17	ppb
6/15/2015	10:15	Dibenzoahanthracene	<130	ppb
6/15/2015	10:15	Dibromochloromethane	<1	ppb
6/15/2015	10:15	Diethylphthalate	<130	ppb
6/15/2015	10:15	Dimethylphthalate	<130	ppb
6/15/2015	10:15	di-n-butylphthalate	<130	ppb
6/15/2015	10:15	Di-n-octylphthalate	<130	ppb
6/15/2015	10:15	Dissolved Cadmium	<0.040	ppb
6/15/2015	10:15	Dissolved Chromium	1.652	ppb
6/15/2015	10:15	Dissolved Copper	6.019	ppb
6/15/2015	10:15	Dissolved Iron	119.6	ppb
6/15/2015	10:15	Dissolved Lead	2.609	ppb
6/15/2015	10:15	Dissolved Nickel	0.639	ppb
6/15/2015	10:15	Dissolved Zinc	32.773	ppb
6/15/2015	10:15	Enterococci - IDEXX Method 1600	>2,419.6	MPN/100 ml
6/15/2015	10:15	Ethylbenzene	<1	ppb
6/15/2015	10:15	Fecal Coliform (3 tube) SM 9221E - Fecal	>240,000	MPN/100 ml
6/15/2015	10:15	Fluoranthene	<130	ppb
6/15/2015	10:15	Fluorene	<130	ppb
6/15/2015	10:15	Fresh Water Total Nitrogen	4.076	ppm
6/15/2015	10:15	Hexachlorobenzene	<130	ppb
6/15/2015	10:15	Hexachlorobutadiene	<130	ppb
6/15/2015	10:15	Hexachloroethane	<130	ppb
6/15/2015	10:15	Hexaclcyclopentadien	<130	ppb
6/15/2015	10:15	Indeno(123-cd)pyrene	<130	ppb
6/15/2015	10:15	Isophorone	<130	ppb
6/15/2015	10:15	Mercury EPA Method 245.7 - Mercury	39.9	ng/L
6/15/2015	10:15	Methylene Chloride	<5	ppb
6/15/2015	10:15	Naphthalene	<130	ppb
6/15/2015	10:15	NH3-N EPA 350.1 - Ammonia	0.431	ppm
6/15/2015	10:15	Nitrobenzene	<130	ppb
6/15/2015	10:15	Nnitrosodimethylamin	<130	ppb
6/15/2015	10:15	Nnitrosodinpropylami	<130	ppb
6/15/2015	10:15	Nnitrosodiphenylamin	<130	ppb
6/15/2015	10:15	NO3NO2 EPA Method 353.2	0.226	mg/L
6/15/2015	10:15	o- xylene	<1	ppb
6/15/2015	10:15	Oil and Grease EPA Method 1664 (SIU)	6.941	ppm
6/15/2015	10:15	p&m xylene	<1	ppb
6/15/2015	10:15	Pentachlorophenol	<130	ppb
6/15/2015	10:15	Phenanthrene	<130	ppb
6/15/2015	10:15	Phenol	<130	ppb
6/15/2015	10:15	Pyrene	<130	ppb
6/15/2015	10:15	Silver	<0.020	ppb
6/15/2015	10:15	Tetrachlorethene	<1	ppb
6/15/2015	10:15	TKN - Copper Sulfate Digestion - TKN	3.85	mg N/L
6/15/2015	10:15	Toluene	1	ppb
6/15/2015	10:15	Total Cadmium	<2.5	ug/L
6/15/2015	10:15	Total Chromium	<10	ug/L
6/15/2015	10:15	Total Copper	27.21	ug/L
6/15/2015	10:15	Total Iron	2002	ug/L
6/15/2015	10:15	Total Lead	30.05	ug/L
6/15/2015	10:15	Total Nickel	<10	ug/L

All samples are from CSO Wet weather Overflow at Mossassuck Street (NBC CSO # 220)

Sample Date	Sample Tim	Parameter	Result	Units
6/15/2015	10:15	Total Zinc	104.2	ug/L
6/15/2015	10:15	Total_Phosphorus-P	0.679	mg/L
6/15/2015	10:15	Trans-1,2-Dichloroethene	<1	ppb
6/15/2015	10:15	Trans-1,3-Dichloropropene	<1	ppb
6/15/2015	10:15	Trichlorethene	<1	ppb
6/15/2015	10:15	Trichlorofluoromethane	<1	ppb
6/15/2015	10:15	TSS SM 5240D - TSS	152	ppm
6/15/2015	10:15	Vinyl Chloride	<1	ppb

All samples are from CSO Wet weather Overflow at Mossassuck Street (NBC CSO # 220)

Sample Date	Sample Tim	Parameter	Result	Units
7/1/2015	8:15	1,1,1-Trichloroethane	<1	ppb
7/1/2015	8:15	1,1,2,2-Tetrachlorethane	<1	ppb
7/1/2015	8:15	1,1,2-Trichloroethane	<1	ppb
7/1/2015	8:15	1,1-Dichloroethane	<1	ppb
7/1/2015	8:15	1,1-Dichloroethene	<1	ppb
7/1/2015	8:15	1,2-dichlorobenzene	<1	ppb
7/1/2015	8:15	1,2-Dichloroethane	<1	ppb
7/1/2015	8:15	1,2-Dichloropropane	<1	ppb
7/1/2015	8:15	1,3-dichlorobenzene	<1	ppb
7/1/2015	8:15	1,4-dichlorobenzene	<1	ppb
7/1/2015	8:15	2-Chloroethylvinylether	<2	ppb
7/1/2015	8:15	Arsenic	0.616	ppb
7/1/2015	8:15	Benzene	<1	ppb
7/1/2015	8:15	BOD SM 5210B	13.25	ppm
7/1/2015	8:15	Bromodichloromethane	<1	ppb
7/1/2015	8:15	Bromoform	<1	ppb
7/1/2015	8:15	Bromomethane	<10	ppb
7/1/2015	8:15	Carbon Tetrachloride	<1	ppb
7/1/2015	8:15	Chlorobenzene	<1	ppb
7/1/2015	8:15	Chloroethane	<10	ppb
7/1/2015	8:15	Chloroform	<1	ppb
7/1/2015	8:15	Chloromethane	<10	ppb
7/1/2015	8:15	cis-1,3-Dichloropropene	<1	ppb
7/1/2015	8:15	Cyanide	15.6	ppb
7/1/2015	8:15	Dibromochloromethane	<1	ppb
7/1/2015	8:15	Dissolved Aluminum	425.667	ppb
7/1/2015	8:15	Dissolved Cadmium	0.108	ppb
7/1/2015	8:15	Dissolved Chromium	3.289	ppb
7/1/2015	8:15	Dissolved Copper	15.19	ppb
7/1/2015	8:15	Dissolved Iron	674.533	ppb
7/1/2015	8:15	Dissolved Lead	36.79	ppb
7/1/2015	8:15	Dissolved Nickel	2.851	ppb
7/1/2015	8:15	Dissolved Zinc	74.53	ppb
7/1/2015	8:15	Enterococci - IDEXX Method 1600	>2,419.6	MPN/100 ml
7/1/2015	8:15	Ethylbenzene	<1	ppb
7/1/2015	8:15	Fecal Coliform (3 tube) SM 9221E - Fecal	>240,000	MPN/100 ml
7/1/2015	8:15	Fresh Water Total Nitrogen	3.182	ppm
7/1/2015	8:15	Mercury EPA Method 245.7 - Mercury	31.1	ng/L
7/1/2015	8:15	Methylene Chloride	<5	ppb
7/1/2015	8:15	NH3-N EPA 350.1 - Ammonia	1	ppm
7/1/2015	8:15	NO3NO2 EPA Method 353.2	0.212	mg/L
7/1/2015	8:15	o- xylene	<1	ppb
7/1/2015	8:15	Oil and Grease EPA Method 1664 (SIU)	<4.0	ppm
7/1/2015	8:15	p&m xylene	<1	ppb
7/1/2015	8:15	Silver	<0.020	ppb
7/1/2015	8:15	Tetrachlorethene	<1	ppb
7/1/2015	8:15	TKN - Copper Sulfate Digestion - TKN	2.97	mg N/L
7/1/2015	8:15	Toluene	<1	ppb
7/1/2015	8:15	Total Aluminum	599.8	ug/L
7/1/2015	8:15	Total Cadmium	<2.5	ug/L
7/1/2015	8:15	Total Chromium	<10	ug/L
7/1/2015	8:15	Total Copper	17.83	ug/L
7/1/2015	8:15	Total Iron	1,024	ug/L
7/1/2015	8:15	Total Lead	30.67	ug/L
7/1/2015	8:15	Total Nickel	<10	ug/L
7/1/2015	8:15	Total Zinc	74.5	ug/L
7/1/2015	8:15	Total_Phosphorus-P	0.603	mg/L
7/1/2015	8:15	Trans-1,2-Dichloroethene	<1	ppb

All samples are from CSO Wet weather Overflow at Mossassuck Street (NBC CSO # 220)

Sample Date	Sample Tim	Parameter	Result	Units
7/1/2015	8:15	Trans-1,3-Dichloropropene	<1	ppb
7/1/2015	8:15	Trichlorethene	<1	ppb
7/1/2015	8:15	Trichlorofluoromethane	<1	ppb
7/1/2015	8:15	TSS SM 5240D - TSS	58	ppm
7/1/2015	8:15	Vinyl Chloride	<1	ppb