# Ongoing Screening Summary Report 2018 Inspection Year

Illicit Discharge Detection and Elimination Program

City of Oshkosh

January 25, 2019

OMNNI Project No. N2029C18

ENGINEERING • ARCHITECTURE • ENVIRONMENTAL



# Illicit Discharge Detection and Elimination Conducted For City of Oshkosh

# **Ongoing Screening Summary Report**

# **2018 Inspection Year**

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**OMNNI Project Number N2029C18** 

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#### **EXECUTIVE SUMMARY**

During the fall of 2018, OMNNI Associates, Inc. (OMNNI) assisted the City of Oshkosh with inspecting the outfalls in the City's municipal separate storm sewer system (MS4) for potential illicit discharges. Following the Illicit Discharge Ongoing Inspection Program that was revised in 2015, OMNNI inspected 91 of the approximately 428 MS4 outfalls identified in the City. The inspections consisted of a visual screening along with a chemical analysis of any dry-weather flow that was present. The inspections revealed 35 outfalls with evidence of potential or obvious illicit discharges, primarily manholes with trapped floating litter.

#### **BACKGROUND**

## **Purpose**

Under Section 2.3.2 of the Wisconsin Pollutant Discharge Elimination System (WPDES) Permit No WI-S050075-2 ("permit"), the City of Oshkosh is required to conduct ongoing dry weather field screening of all outfalls during the term of the permit to detect potential illicit discharges.

Under the MS4 permit, an outfall is defined as "the point at which storm water is discharged to waters of the state or leaves one municipality and enters another." The MS4 is defined as "a conveyance or system of conveyances including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, constructed channels or storm drains, which meets all of the following criteria:

- 1. Owned or operated by a municipality.
- 2. Designed or used for collecting or conveying storm water.
- 3. Which is not a combined sewer conveying both sanitary and storm water."

When applied to the City of Oshkosh, the MS4 permit requires ongoing screening of the road ditch or storm sewer outfalls where the outfalls discharge to a water of the state (i.e., a navigable or non-navigable stream, lake, or wetland) or where they discharge into an adjacent municipality or to a county or state highway right-of-way.

Each outfall is classified as "major" or "minor." A "major outfall," as defined by the MS4 permit, is an MS4 outfall that meets one of the following criteria:

- 1. A single pipe with an inside diameter of 36 inches or more or equivalent conveyance (cross sectional area of 1,018 square inches) which is associated with a drainage area of more than 50 acres.
- 2. A municipal separate storm sewer system that receives storm water runoff from lands zoned for industrial activity that is associated with a drainage area of more than 2 acres or from other lands with 2 or more acres of industrial activity, but not land zoned for industrial activity that does not have any industrial activity present.

Outfalls not meeting the definition of a major outfall are considered "minor outfalls."

OMNNI has also worked with the WDNR to develop a third class of outfalls – "supplemental" outfalls. Supplemental outfalls are storm sewer outfalls which may not meet the legal definition of an outfall according to the MS4 general permit but should be included in an ongoing field screening program. The majority of the supplemental outfalls are detention basin inlets, which do not discharge directly to a water of the state, and therefore are not technically outfalls.

However, sampling the detention basin inlets is an important component of the overall screening process, as illicit discharges are more likely to be discovered at the detention basin inlets rather than at the detention basin outfall.

The current MS4 map for the City of Oshkosh consists of 428 outfalls, including:

- 94 major outfalls
- 241 minor outfalls
- 93 supplemental outfalls

These numbers are updated each year as outfalls are located during the ongoing field screening program and modifications are made to the MS4. A map showing the MS4 outfalls is included in Appendix A.

# **Program History**

The activities that have taken place with the Illicit Discharge Program for the City of Oshkosh are summarized below:

# September 2009 – Initial Screening (major outfalls)

109 major outfalls screened, with 23 potential and one obvious illicit discharge identified. City of Oshkosh Initial Field Screening Summary Report (May 18, 2010)

#### **December 2009 – Ongoing Field Screening Program**

348 MS4 outfalls identified, screened over a four-year inspection cycle. *City of Oshkosh IDDE Ongoing Field Screening Program* (May 19, 2010)

#### August 2010 - 2010 Ongoing Screening

93 outfalls screened, with 26 potential illicit discharges identified.

City of Oshkosh Ongoing Screening Summary Report – 2010 Inspection Year (March 28, 2011)

#### June 2, 2011 - USEPA Audit

Assisted with questions concerning the IDDE program

#### October 2011 - 2011 Ongoing Screening

121 outfalls screened, with 15 potential and one obvious illicit discharge identified.

City of Oshkosh Ongoing Screening Summary Report – 2011 Inspection Year (March 6, 2012)

#### October 2012 - 2012 Ongoing Screening

100 outfalls screened, with 12 potential illicit discharges identified.

City of Oshkosh Ongoing Screening Summary Report – 2012 Inspection Year (March 25, 2013)

#### July 2013 – 2013 Ongoing Screening

95 outfalls screened, with 7 potential illicit discharges identified.

City of Oshkosh Ongoing Screening Summary Report – 2013 Inspection Year (February 20, 2014)

#### October 2014 – 2014 Ongoing Screening

42 outfalls screened (prior potential illicit discharges), with 17 potential illicit discharges identified.

City of Oshkosh Ongoing Screening Summary Report – 2014 Inspection Year (February 23, 2015)

#### September 2015 – Ongoing Field Screening Program Revision (draft)

425 MS4 outfalls identified, with 60 priority outfalls.

City of Oshkosh IDDE Ongoing Field Screening Program – 2015 Revision (September 16, 2015)

#### September 2015 - 2015 Ongoing Screening

98 outfalls screened, with 20 potential and one obvious illicit discharge identified.

City of Oshkosh Ongoing Screening Summary Report – 2015 Inspection Year (January 8, 2016)

#### October 2016 - 2016 Ongoing Screening

98 outfalls screened, with 27 potential illicit discharges identified.

City of Oshkosh Ongoing Screening Summary Report – 2016 Inspection Year (November 30, 2016)

#### October 2017 - 2017 Ongoing Screening

101 outfalls screened, with 25 potential illicit discharges identified.

City of Oshkosh Ongoing Screening Summary Report – 2017 Inspection Year (January 25, 2018)

#### October 2018 - 2018 Ongoing Screening

91 outfalls screened, with 35 potential illicit discharges identified.

City of Oshkosh Ongoing Screening Summary Report – 2018 Inspection Year (January 25, 2018) (This document)

The 2015 revision to the Ongoing Screening Program implemented the "priority outfall" concept that was introduced by the WDNR in a March 2012 guidance document. These priority outfalls are outfalls that have the highest likelihood of a potential illicit discharge based on the characteristics of the drainage basins for each outfall. The priority outfalls are scheduled to be screened annually, while the non-priority outfalls are screened less frequently (every five years for major outfalls, every ten years for non-major outfalls). The current version of the program includes 45 priority outfalls.

The 2018 outfall screening followed the 2015 revision to the Ongoing Screening Program. The priority outfalls were screened, along with a subset of the non-priority outfalls. Based on the field observations during the screening, the Ongoing Screening Program may be modified slightly for future years.

The outfalls that were included in the 2018 screening program are shown in Appendix A, and the associated outfall inspection reports are included in Appendix B. The City may need to include these results in the annual report required by the MS4 permit due March 31, 2019.

## Screening Methodology

OMNNI's outfall screening methodology loosely follows the procedures outlined in *Illicit Discharge Detection and Elimination: A Guidance Manual for Program Development and Technical Assessments* (Center for Watershed Protection / Robert Pitt, October 2004). The procedures were modified to comply with the MS4 permit requirements and have evolved after several years of experience and discussions with the WDNR.

Outfalls that have been previously inspected are located with the assistance of GPS. For outfalls that have not been previously inspected, the available MS4 mapping is used to physically locate the outfall, and then the GPS location is recorded to assist with future inspections. The physical properties of the outfall are then recorded – type of outfall, dimensions, material, and discharge location. A photograph of the outfall is taken to show the general location and configuration.

After the physical properties have been recorded, the outfall and surrounding area are screened for indicators of current or past illicit discharges. Sample indicator parameters include floatable material, gross solids, odors, stains, color of water, turbidity, abnormal vegetation and benthic growth. If any of these physical indicators are observed, they are further described and

quantified. A close-up photograph is taken of the actual discharge of the outfall, showing any indicator parameters or flow from the outfall. A short video of the flow is also taken to document the magnitude of the flow or the lack of flow at the time of inspection.

The MS4 permit specifies that the outfalls be screened during periods of dry weather. Outfall inspections are typically conducted in the summer months to avoid the effects of snowmelt runoff in the storm sewer system. OMNNI generally waits for a minimum of 48 hours following a runoff-producing rainfall event to conduct the outfall screening. This typically allows sufficient time for the stormwater to discharge through the drainage area and outfall. If, after 48 hours, the outfall still has flow, a sample is collected and screened for chemical indicators of an illicit discharge. While the actual list of chemical parameters is specific to each outfall, most flowing outfalls are screened for the following parameters:

- pH
- Chlorine (total chlorine and free chlorine)
- Detergents
- Ammonia
- Temperature
- Conductivity

In some cases, outfalls can be either partially or fully submerged. A partially submerged outfall is an outfall where the elevation of the invert is below the water level of the receiving water. A fully submerged outfall is a pipe that is entirely below the water surface. In either condition, the receiving water is "backed up" into the discharging pipe or channel and is not free-flowing. Under these conditions, if a sample is collected at the outfall point, the sample could consist almost entirely of the receiving water.

In the case of partially or fully submerged outfalls, OMNNI developed a sampling procedure that was approved by WDNR. The submerged outfall is screened for physical indicators. However, the flow sample is collected from the first access point (i.e., manhole, catchbasin, curb inlet) upstream of the outfall. This reduces the influence of the receiving water. Typically, if there is no flow or pooled water at the upstream location, then no sample is collected. For all upstream sampling, a note is made of the distance and land use of the area between the outfall and the upstream area to assess the potential for illicit connections between the outfall and the upstream location.

In the event that the physical or chemical indicators show that there is a potential ongoing illicit discharge, the Illicit Discharge Coordinator of the municipality is contacted. If requested, OMNNI then assists the municipality with attempting to identify the source of the discharge, usually by inspecting and/or sampling additional upstream points to attempt to isolate a particular branch of the MS4 network.

While not expressly required by the MS4 permit, OMNNI also conducts a physical condition assessment for each outfall. The inspector identifies any graffiti, damage, erosion or deposition present at the outfall and assigns a severity. This information is provided to the municipality to assist with maintenance activities.

A detailed outfall report is generated for each outfall that is inspected. The outfall report includes the general outfall information that was collected, along with detailed inspection results for each inspection conducted at the outfall. This provides a comprehensive history of

the inspection results for the outfall as multiple inspections are performed over the life of the outfall.

Detailed inspection reports for each outfall are included in Appendix B. Some general observations from the field screening are noted in the following sections.

# RAINFALL AND FLOW

#### Rainfall

Weather data was obtained from the Weather Underground website. Personal weather station KWIOSHKO31 ("Village Ln") is located near the intersection of Village Lane and Donegal Court in the City of Oshkosh. The conditions at this weather station were considered representative of the weather in the City of Oshkosh for the 2018 ongoing screening. The location of the weather station is shown in Figure 1.

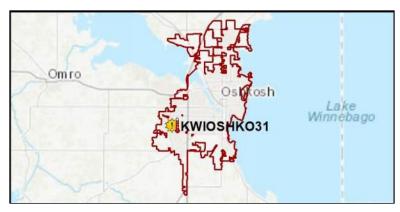


Figure 1 – Location of weather station for weather history

The weather history from September 22, 2018 (one month prior to the start of inspections) through November 3, 2018 (one week after the completion of inspections) from this weather station is shown in Figure 2.

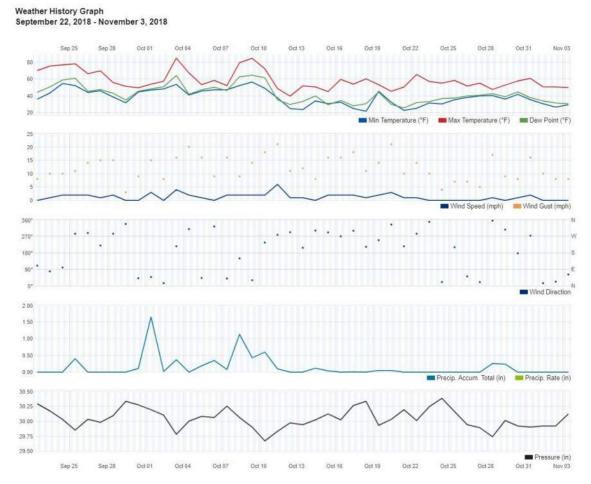


Figure 2 – Fall 2018 weather history (Weather Underground)

Outfall inspections were conducted in the City of Oshkosh on October 22, 24 and 25, 2018. (Follow-up inspections were conducted on October 26 and 29). Those inspection dates (red), along with the daily rainfall history (blue), are shown in Figure 3.

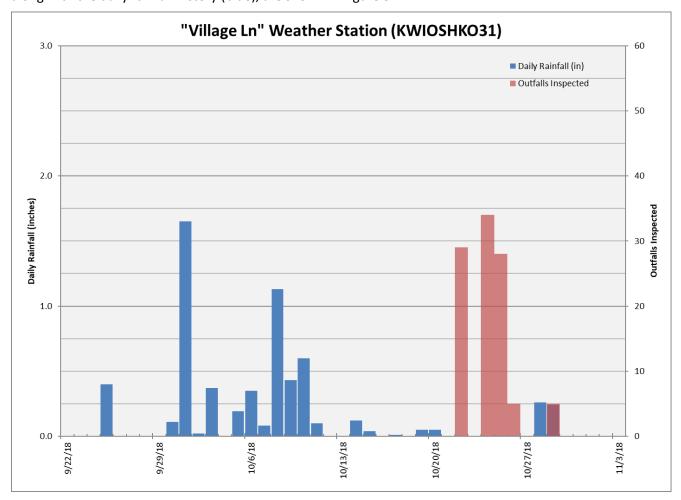


Figure 3 – Rainfall history and outfall inspections

# **Flow**

To meet the requirement of dry weather screening, outfalls were typically screened at least 48 hours after the previous runoff-producing rainfall event. The distribution of the flow intensity of the outfalls (not including upstream sampling points) is shown in Figure 4.

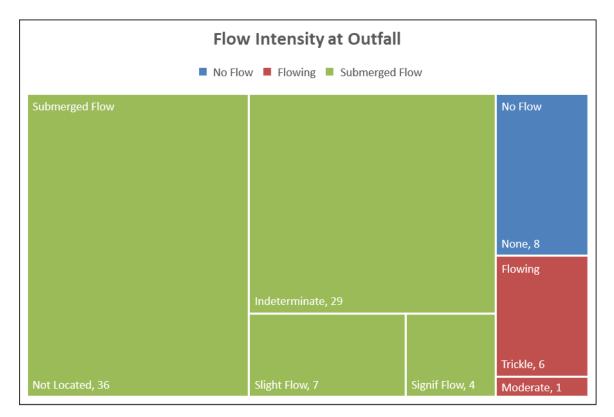


Figure 4 - Flow intensity at outfall

Submerged outfalls, along with their sampling protocol, are described in the next section.

If dry weather flow was found during the field screening, a sample was collected and analyzed for the presence of indicator parameters. The analysis conducted is discussed in a later section.

Not all flow is an indicator of an illicit discharge. Following a significant rainfall event, surface water and groundwater elevations can be higher than normal. Much of the observed flow may originate from sump pump discharges, detention basin discharges, permitted discharges, and infiltration into the storm sewer system.

# **Submerged Outfalls**

Most of the outfalls in the City were located at or below the normal levels of their respective receiving waters. Of the 91 inspected outfalls, 30 were partially submerged, and 46 were fully submerged (Figure 5). Of the 46 fully submerged outfalls, 36 could not be physically located.

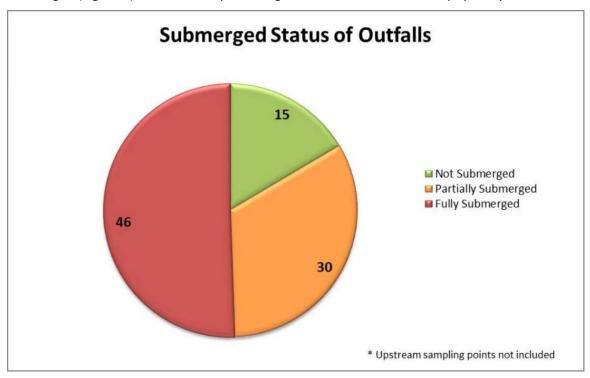


Figure 5 - Submerged status of outfalls

Submerged outfalls were screened at a representative upstream location (i.e., first upstream manhole), if one was available. If flow or a submerged pool was present in the upstream location, a sample was collected. If a representative upstream location was not available, a sample was collected from the submerged pool at the outfall. Sampling locations are noted on the individual outfall inspection reports.

# PHYSICAL INDICATOR ASSESSMENT

All outfalls, regardless of whether they exhibited dry-weather flow at the time of inspection, underwent an extensive assessment for physical indicators of past or current illicit discharges. The physical indicators are grouped into eight categories, and each category is assigned a severity rating based on the observed conditions, along with a qualitative description, if applicable. The eight categories of physical indicators are described below.

#### **Floatables**

Floatables include petroleum sheens, suds, algae, and evidence of raw sewage. These conditions would typically be observed in an area of stagnant water, such as a downstream pool or an upstream manhole, although some may be observed in the actual flow. Some conditions (petroleum sheens and sewage) are almost always the result of an illicit discharge. Other

floatables, like suds and algae, can have non-illicit sources, but their presence can also indicate the potential for an illicit discharge, and the source should be traced.

Vegetative debris and solid waste (litter) can also float, but these substances are included in the *Gross Solids* category and are not considered floatables.

A *slight* severity for floatables indicates isolated occurrences of the substance in the pool or flow. A *moderate* severity indicates a broader coverage, including distinct pockets of the substance. A *severe* classification typically describes total coverage of the water surface.

#### Odor

Clean stormwater should have no odor. Odors may be caused by the presence of chemicals, which can indicate a potential illicit discharge. The classification of odor is somewhat subjective and may vary depending on the inspector. Some of the odor classifications are chemical-based, and include petroleum, VOC/solvent, chlorine, and sulfur. Other odor classifications are even more subjective, and include musty, fishy, sewage, and fragrant.

Odor can be difficult to quantify. As a result, the severity is based on the method that it can be detected. A *slight* severity for odor indicates that the odor can be detected in the sample bottle. A *moderate* severity indicates that the odor can be detected in the flow itself. A *severe* classification indicates that the odor can be detected from a distance.

# **Turbidity**

Turbidity is a measure of the clarity of a water sample, reflecting the amount of suspended solids present in the water. As turbidity increases, the water becomes cloudy and eventually opaque. Turbidity has a negative impact on aquatic life, as it prevents sunlight from penetrating the water.

Turbidity is frequently caused by soil erosion that occurs upstream of the outfall. The soil erosion can be accelerated by poor erosion control management practices. Active construction sites and highly eroded areas are common sources of turbidity.

While turbidity can be measured directly using an instrument like a turbidimeter, the relative turbidity of each outfall sample was assessed qualitatively. A *slight* severity for turbidity indicates that the sample appeared slightly cloudy in the sample bottle. A *moderate* severity indicates that the sample exhibits significant cloudiness. A *severe* classification was used for a sample that was opaque in the sample bottle.

#### Color

Stormwater typically should be clear, with no apparent color. Certain tints and colors can indicate the presence of substances that could be a potential illicit discharge. Some tints can be caused by natural substances, such as tannins in leaves and vegetative debris causing a slight brown tint. High concentrations of suspended solids can cause orange tints (clay), brown tints (loam) or gray-black tints (organic materials). Certain colors (i.e., red, blue and green) are almost never naturally-occurring, and likely indicate an illicit discharge.

Color is most easily assessed in the sample bottle. The sample bottle can be compared to a bottle of deionized water as a standard. The general color of the sample is noted, along with the relative severity. A *slight* severity for color indicates that the color is faint in the sample bottle. A *moderate* severity indicates that the color is easily detected in the sample bottle. A *severe* 

classification indicates that the color can be observed in the actual flow or pool, outside of the sample bottle.

# Vegetation

The health of the vegetation in the area surrounding the outfall can be an indicator of potential illicit discharges from the outfall. Various chemicals in an illicit discharge can inhibit or kill the vegetation in the areas surrounding the outfall. Discharges with high nutrient levels — particularly fertilizer runoff — can significantly increase the amount of vegetation around the outfall.

Because outfalls provide a water source, the vegetation around outfalls is typically more productive than areas farther from the outfall, particularly during dry periods. It is important to distinguish between increased vegetation due to available water and excessive vegetation due to nutrients in the runoff. True vegetation impacts due to chemicals or nutrients appear to be rare compared to other physical indicator parameters.

The "vegetation" indicator parameter does not apply to vegetation growing inside the outfall pipe or on the pipe apron. This condition is evaluated under the "benthic growth" parameter.

Vegetation effects were classified as either "inhibited" or "excessive." The severity was subjectively assigned based on the extent of the vegetation impact that was observed, ranging from *slight* to *severe*.

#### **Benthic Growth**

Due to the presence of nutrients, organic materials and moisture, outfall pipes and aprons can commonly host vegetation that grows on the sides and bottoms of the structures. This is particularly common in concrete pipes, which are more porous, but can occur on nearly all pipe materials. The vegetation encountered is typically algae, moss and lichens.

Some degree of benthic growth is present on nearly all storm sewer outfall pipes and appears to increase with age. The presence of benthic growth alone is not typically a reason to classify an outfall as a potential illicit discharge. However, severe cases of benthic growth, especially when combined with other indicators, can be used to classify and trace illicit discharges.

The color of the benthic growth is noted on the inspection report. Green benthic growth is most common in outfalls with sunlight. Brown benthic growth is more common in outfalls with limited sunlight. Other colors, such as orange, can sometimes be present.

The severity of the benthic growth is determined by a subjective analysis of the thickness of the vegetation. A *slight* severity for benthic growth indicates a thin layer, usually a film or the dried stains of former growth. A *moderate* severity is used when an actual depth of vegetation can be observed, typically up to one-half inch deep. A *severe* classification is used when the vegetation changes from a short, "fuzzy" layer to longer, more defined plants with stems and leaves.

#### **Stains**

Stains inside pipes, aprons, riprap and channels can be good indicators of past illicit discharges. Clean stormwater typically would not cause stains. However, some non-illicit discharges can cause stains, including tannins from vegetation (brown), road salt (white), minerals (various colors) and suspended solids (gray or brown). Most storm sewer pipes will have some degree of staining due to natural causes, and the stains tend to increase with the age of the structure. These stains are typically found at either the normal or the high flowline for the pipe.

Abnormal stains are typically indicators of past illicit discharges. Common types of stains in this category include oil and grease, paint, concrete washout, and iron discharges (rust). It is important to distinguish between actual iron discharges and normal pipe corrosion, which can occur in metal pipes, and is not an illicit discharge. Corrosion typically occurs along the invert of the pipe, where water may collect and corrode the pipe. Rust stains are typically darker streaks, often originating from a lateral or other incoming pipe.

Stains are useful indicators, since they tend to be persistent, and can often be used to trace the flow path upstream to a source, even after the original illicit discharge has ended. By screening outfalls on a regular basis and documenting the stains with photographs, it is possible to compare the severity of the stains to determine if a discharge is ongoing.

Stains are classified according to the type of stain present (i.e., oil, paint, rust, etc.), as well as their relative severity. The severity is subjectively assigned based on the extent of the staining that was observed, ranging from *slight* to *severe*. Because of the subjective nature of this rating, photographs are extremely helpful for documentation.

#### **Gross Solids**

The Center for Watershed Protection adopted the concept of Gross Solids regarding illicit discharge detections. Gross solids are materials that are larger than fine solids (silt and clay) and coarse solids (fine sand, fine gravel, and detritus). Gross solids consist primarily of *litter* (human derived trash larger than 4.75 mm), organic debris (leaves, branches, seeds, twigs and grass clippings larger than 4.75 mm), and coarse sediments (inorganic breakdown products from soils, pavement or building materials greater than 0.075 mm).

The type of gross solid most frequently encountered during outfall inspections appears to be litter (garbage). These materials typically enter the storm sewer from an upstream catchbasin or inlet. Paper, plastic and foam are frequently encountered in manholes, where they can become trapped as they float on the surface. These materials can also travel down storm sewer pipes and swales, ultimately discharging at the outfall.

Vegetative debris, including leaves and grass clippings, can also enter the storm sewer through catchbasins and inlets and travel to the outfall. As with litter, an attempt is made to determine if the vegetative debris traveled through the storm sewer or was deposited at the outfall in another manner.

Coarse sediment is encountered less frequently than litter and vegetative debris. Most of the sediment encountered during outfall inspections is fine sediment that travels through the storm sewer and is deposited at the outfall. This sediment is included in the "Deposition" category of the Physical Condition Assessment on the report, and the sediment depth is recorded. Sediment is typically only considered a Gross Solid physical indicator parameter if it appears that the sediment was illicitly dumped into the storm sewer through a catchbasin, inlet or manhole.

Gross solid severity is similar to the method used for floatables. A *slight* severity for gross solids indicates isolated occurrences of the substance in the pool or flow. A *moderate* severity indicates a broader coverage, including distinct pockets of the substance. A *severe* classification typically describes total coverage of the water surface or manhole.

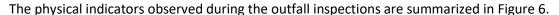
#### **Observed Conditions**

The presence of any physical indicators in the pipe or channel, flow, downstream pool, and surrounding area were recorded at the time of the inspection. Certain physical indicators, such

as color and turbidity, can only be evaluated if flow or downstream pools are present. (Because the inspection criteria for physical indicator parameters have evolved over the past several years, some of the parameters included in the current year's inspections may not have been evaluated in previous years, and those parameters may appear as blank or missing data on earlier reports.)

The presence of one or more physical indicator parameters does not necessarily indicate that an illicit discharge is occurring or has occurred in the past. Certain physical indicators, such as the presence of solid waste or oil sheens in the flow, strongly suggest an illicit discharge has recently occurred. Other indicators, such as staining of the pipe or channel, may indicate that an illicit discharge occurred in the past, although the exact time is not known. Still other physical indicators may have natural or non-illicit causes, and the presence of these parameters alone should not be the grounds for assuming an illicit discharge.

Physical indicators can also be valuable aids when tracing a suspected illicit discharge upstream to the source. Certain physical indicators – pipe and channel stains in particular – are persistent and can be used to trace the flow well after the actual flow has stopped.



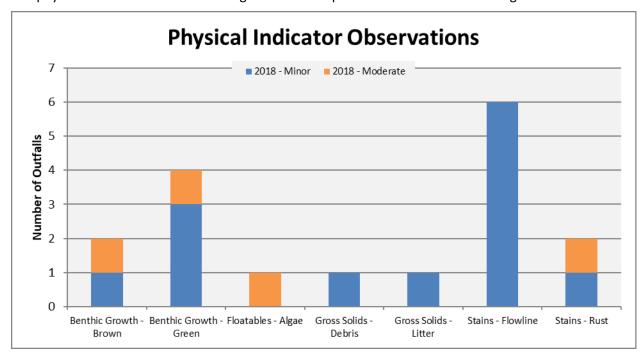


Figure 6 – Physical indicator observations

Benthic growth (green and/or brown) and flowline stains were prevalent at many of the outfalls. These conditions are fairly common and are not typically considered strong indicators of recurring illicit discharges unless they are particularly severe or occur in conjunction with other indicators.

In 2018, 23 outfalls were classified as potential illicit discharge because of the presence of moderate or severe gross solids in their upstream manholes, and one was classified as potential due to significant amounts of dry gross solids (litter) inside the outfall pipe. These outfalls are discussed in more detail in the *Potential Illicit Discharges* section of this report. No other outfalls were classified as potential illicit discharge solely due to physical indicators.

# CHEMICAL ANALYSIS

When dry-weather flow is present at an outfall or upstream manhole, chemical indicator parameters can provide valuable information about whether the flow is an illicit discharge, as well as providing clues about the potential sources of the flow. Section 2.3.2.2 of the general permit requires that outfalls with dry-weather flow be sampled for pH, total chlorine, total copper, total phenol and detergents for the initial screening of major outfalls, unless detergent, ammonia, potassium and fluoride were used as alternate parameters.

Under section 2.3.3, the ongoing screening of all outfalls could be modified to include other parameters. For the ongoing screening program, OMNNI tested for the following chemical indicators, based on the 2015 revision to the ongoing screening program:

- pH
- Temperature
- Conductivity
- Chlorine (total and free)
- Ammonia
- Detergents

Flow samples were collected at all outfalls that exhibited dry-weather flow at the time of the inspection. For partially-submerged or fully-submerged outfalls, a sample was collected from the flow or submerged pool at the first upstream sampling location, or from the outfall pool if an upstream location was not available. A total of 80 stormwater samples were collected and analyzed as part of the ongoing screening process in 2018 – 14 were from flow streams, and 66 were from pools.

The indicator parameters, testing methods, and results are explained in the sections that follow.

#### pН

#### Background

The pH of a stormwater sample can be used to detect the presence of illicit substances in the flow. Neutral water has a pH of 7.0. However, unpolluted rainwater commonly has a pH of 5.0 to 6.0, due to the conversion of carbon dioxide in the atmosphere to carbonic acid. The presence of pollutants in the atmosphere can cause the formation of additional hydrochloric and/or nitric acid in the rainwater, which will further lower pH. The pH of the runoff is typically raised as it reacts with carbonates and other alkaline materials in the rocks and soil. Contact with concrete pipes and channels also raises the pH of the runoff.

The typical pH range for stormwater runoff is from 6.0 to 9.0. Samples with a pH lower than 6.0 or higher than 9.0 would be suspect for illicit discharges. Possible sources of high or low pH include industrial discharges and concrete truck washout.

#### Testing Method

During the ongoing screening program, OMNNI tested the pH of the outfall samples with a *Hach Pocket Pro+ Multi 2 Tester* handheld pH/conductivity/temperature meter, which displays the pH reading to 0.01 pH units. The probe was periodically calibrated at 4.01, 7.00 and 10.01 pH

values. The pH reading was taken in the sample bottle as soon as possible after the sample was collected from the outfall, as the pH of the sample can change over time.

#### Results

The pH results for the pH samples are shown in Figure 7.

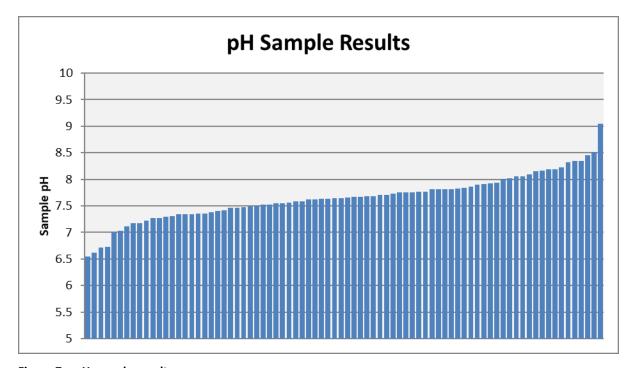


Figure 7 – pH sample results

The pH values ranged from 6.55 to 9.04. One sample (12-1328a) was outside of the 6.0-9.0 normal range. Because the sample also had elevated pH in 2015-2017, the outfall was classified as a potential illicit discharge, and is discussed in more detail in the *Potential Illicit Discharges* section of this report.

#### **Temperature**

#### Background

While not included in the list of parameters required by the general permit, the temperature of a stormwater sample can be useful in determining if the flow is originating from an illicit source. Because most stormwater is conveyed in underground pipes, the temperature of the flow at the outfall is typically expected to be similar to the ground temperature which is often cooler than the ambient temperature in summer. However, stormwater that passes through open channels or ponds upstream of the outfall can be heated directly by the sun and may be close to ambient temperature or even slightly warmer. Temperature is normally only a consideration when the runoff is significantly lower than the ground temperature or higher than the ambient temperature, which can indicate the presence of an industrial discharge. For example, cooling water or process water is typically significantly warmer than the ambient temperature.

Surface temperatures were typically 45 °F or warmer during the inspections. As a result, the "normal" temperature range was set at 45 °F to 90 °F. Any samples outside of this range could contain flow other than stormwater runoff.

#### Testing Method

During the ongoing screening program, OMNNI recorded the temperature of the outfall samples with a *Hach Pocket Pro+ Multi 2 Tester* handheld pH/conductivity/temperature meter, which displays the temperature reading to 0.1 °F. The temperature reading was taken in the sample bottle at the same time the pH was tested, as soon as possible after the sample was collected from the outfall, as the temperature of the small volume of the sample container will rapidly change.

#### Results

The temperature results for the samples are shown in Figure 8.

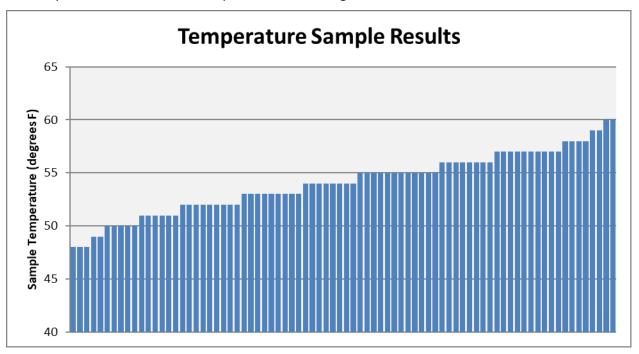


Figure 8 – Temperature sample results

The temperature values ranged from 48 to 60 °F. The samples with the highest temperatures were collected from locations that could be influenced by solar heating, so the upper values were not considered suspect. None of the samples exhibited abnormal temperatures, so none of the samples were considered suspect due to temperature.

# Conductivity

#### Background

While not included in the list of parameters required by the general permit, the conductivity of a stormwater sample can be useful in determining if the flow is originating from an illicit source and identifying potential sources of the discharge. Conductivity is a measure of the ability of water to pass an electrical current. The presence of inorganic dissolved solids (chloride, nitrate, sodium, calcium, iron, etc.) can increase the conductivity of a water sample. Organic compounds (oil, alcohol, sugar, etc.) are not good conductors, and therefore have relatively low conductivities.

Conductivity in surface water is influenced by the local geology. Streams that run through granite bedrock tend to have lower conductivity because granite is composed of more inert

materials that do not ionize when washed into the water. However, streams that run through areas with clay soils tend to have higher conductivity because of the higher ionizing potential of clay. Sanitary sewage can raise the conductivity due to increased levels of chloride, phosphate and nitrate.

Conductivity is typically measured in siemens, with a typical unit of microsiemens per centimeter ( $\mu$ S/cm). Distilled water has a conductivity in the range of 0.5 to 3  $\mu$ S/cm, while rivers typically have conductivities ranging from 50 to 1500  $\mu$ S/cm. Conductivity readings above 2000  $\mu$ S/cm can sometimes be associated with industrial discharges.<sup>1</sup>

Conductivity values under 2000  $\mu$ S/cm would be considered to be normal. Samples with conductivities over 2000  $\mu$ S/cm would be identified as suspicious, but the discharge would not be considered a potential illicit discharge unless other indicator parameters (physical or chemical) were observed.

#### Testing Method

During the ongoing screening program, OMNNI recorded the conductivity of the outfall samples with a *Hach Pocket Pro+ Multi 2 Tester* handheld pH/conductivity/temperature meter, which displays the conductivity reading to 0.01  $\mu$ S/cm. The conductivity reading was taken in the sample bottle as soon as possible after the sample was collected from the outfall, as the conductivity of the sample can change with temperature.

#### Results

The conductivity results for the samples are shown in Figure 9.

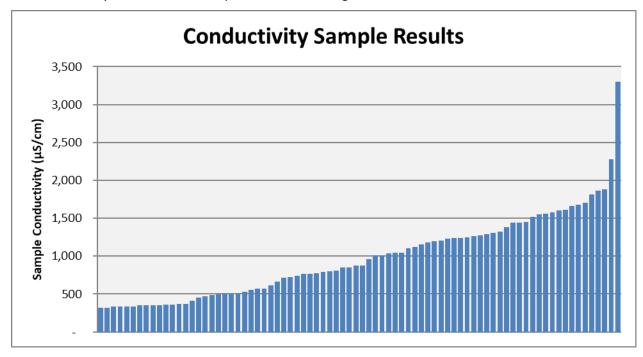


Figure 9 - Conductivity sample results

The conductivity values ranged from 314 to 3,300  $\mu$ S/cm. Two samples were at or above the 2,000  $\mu$ S/cm action limit. Based on other factors, those outfalls may or may not have been

<sup>&</sup>lt;sup>1</sup> USEPA: Water-Monitoring & Assessment – Conductivity (http://water.epa.gov/type/rsl/monitoring/vms59.cfm)

classified as potential illicit discharges. The illicit discharge potential of the outfalls with elevated conductivities are summarized in Table 2.

Table 1 - IDDE potential of outfalls with elevated conductivity

Outfall	Ammonia (ppm)	IDDE Potential	Reason
06-253 US1	2,280	Potential	Elevated ammonia and conductivity in manhole pool.
16-844	3,300	Potential	Elevated conductivity and detergent detection in manhole pool.

The outfalls that were considered potential or obvious illicit discharges are discussed in more detail in the *Potential Illicit Discharges* section of this report.

#### Chlorine

#### Background

The presence of chlorine in a stormwater sample usually demonstrates the presence of substances other than stormwater runoff. Chlorine is typically an indicator of either potable water (from a chlorinated municipal water supply) or an industrial discharge. It can also be caused by leaking or draining swimming pools. However, chlorine can also be present in non-illicit discharges (as defined by the general permit and the City's illicit discharge ordinance), including residential car washing, lawn irrigation, hydrant flushing, water main breaks, and industrial discharges regulated under a WPDES permit. Therefore, the presence of chlorine in a sample indicates the presence of a non-stormwater source; however, the source should be identified to determine if it is an illicit discharge.

Dissolved chlorine is measured using three different values: free chlorine, combined chlorine, and total chlorine. Free chlorine represents the "unbound" chlorine molecules in solution, which are the most effective for disinfecting. Combined chlorine represents the chlorine molecules that are bound to other organic molecules, such as chloramines, which are also commonly used in drinking water disinfection. Total chlorine represents the sum of the free chlorine and the combined chlorine. The general permit requires sampling for total chlorine.

Action levels were established by OMNNI for most chemical indicators. A test result that exceeds the action level warrants follow-up investigation. In general, the action level for total chlorine is set at 0 mg/L. Any detection of chlorine indicates the presence something other than stormwater in the sample. Depending on the source, it may or may not be an illicit discharge.

#### Testing Method

During the ongoing screening program, OMNNI tested the outfall samples for total chlorine and free chlorine using *Hach Free & Total Chlorine Test Strips, 0-10 mg/L*. These test strips had result steps of 0, 0.5, 1, 2, 4 and 10 mg/L. The chlorine tests were taken in the sample bottle as soon as possible after the sample was collected from the outfall, as chlorine can dissipate over time.

#### Results

None of the samples tested positive for free chlorine or total chlorine, so none of the samples were considered suspect due to chlorine.

#### **Ammonia**

### Background

While not included on the list of required parameters in the general permit, ammonia is a valuable test parameter to identify potential illicit discharges. Besides being present in industrial discharges, ammonia can also be an indicator of wastewater or washwater discharges, which are often indicators of sanitary sewer cross-connections. When tested along with potassium, it is possible to use the ratio of ammonia to potassium to distinguish between wastewater and washwater. However, since both typically originate from sanitary sewer, this determination is not usually required to identify an illicit discharge.

It should be noted that there are also several natural sources of ammonia which do not constitute an illicit discharge. Waste from pets and wildlife can cause ammonia in the runoff, particularly if wildlife frequently inhabit the storm sewer pipes and manholes. Storm sewers connected to stagnant water or wetlands frequently have elevated ammonia levels due to microbial decay of plant and animal proteins. In addition, ammonia may be present in industrial discharges with a WPDES permit. Ammonia is also sometimes present in HVAC condensate, which is allowed to be discharged under the MS4 general permit.

Because of the natural sources of ammonia, the action level for ammonia detections was set at greater than 1 ppm. Samples with ammonia concentrations of 1 ppm or lower were not investigated unless additional chemical or physical indicator parameters were present.

#### Testing Method

During the ongoing screening program, OMNNI tested the outfall samples for ammonia using *Hach Ammonia (Nitrogen) Test Strips, 0-6.0 ppm*. These test strips had result steps of 0, 0.25, 0.5, 1, 3, and 6 ppm NH<sub>3</sub>-N. The ammonia tests were conducted in a separate vial of stormwater taken from the sample bottle as soon as possible after the sample was collected from the outfall, as the ammonia concentration can dissipate over time.

#### Results

The ammonia results for the samples are shown in Figure 10.

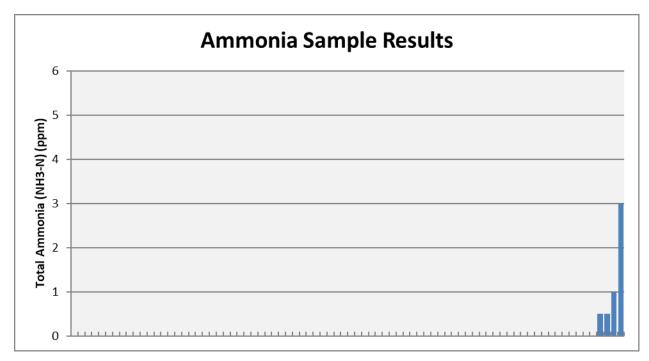


Figure 10 - Ammonia sample results

The ammonia values ranged from 0 to 3 ppm. Two samples were at or above the 1 ppm action limit. Based on other factors, those outfalls may or may not have been classified as potential illicit discharges. The illicit discharge potential of the outfalls with ammonia detections are summarized in Table 2.

Table 2 – IDDE potential of outfalls with ammonia detections

Outfall	Ammonia (ppm)	IDDE Potential	Reason
08-937 US1	1	Unlikely	No other indicator parameters out of range. Assumed to be decomposition product.
06-253 US1	3	Potential	Elevated ammonia and conductivity in manhole pool.

The outfalls that were considered potential or obvious illicit discharges are discussed in more detail in the *Potential Illicit Discharges* section of this report.

#### **Detergents**

#### Background

The presence of detergents in the outfall sample is usually an indication of the presence of wastewater and/or washwater. This is typically the result of a sanitary sewer cross connection or washwater dumped in or near a stormwater inlet. However, detergent can also be present in non-illicit discharges (as defined by the general permit and the municipality's illicit discharge ordinance), including runoff from residential car washing. Therefore, the presence of detergent in a sample indicates the presence of a non-stormwater source; however, the source should be identified to determine if it is an illicit discharge.

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There are four main classes of detergents:

- Anionic detergents (negatively charged) Common in dishwasher detergents, liquid and powdered laundry detergents, carwash detergents, and shampoo. Anionic detergents have excellent cleaning properties and high sudsing potential.
- Cationic detergents (positively charged) Used for germicides, fabric softeners and emulsifiers. Cationic detergents have poor cleaning properties by themselves but can help anionic detergents be more effective.
- Nonionic detergents (ionically inert) Common in hand dishwashing liquids, household cleaners, and laundry detergents (especially in combination with anionic detergents).
   Nonionic detergents are excellent grease removers.
- Amphoteric detergents (negatively or positively charged, based on pH) Found in shampoo and cosmetic products due to their mild chemical nature. Amphoteric detergents are also found in hand dishwashing liquids due to their high sudsing potential.

Unfortunately, due to the diverse classes of detergents, there is no single test to detect the presence of all detergents. The most common test – the Methylene Blue Active Substances (MBAS) test – is only effective in identifying the presence of anionic detergents.

The general permit requires sampling for detergents. In general, the action level for detergents is set at 0 mg/L. Any detection of detergent indicates the presence something other than stormwater in the sample. Depending on the source, it may or may not be an illicit discharge.

## Testing Method

During the ongoing screening program, OMNNI tested the outfall samples for detergents using MBAS method with the equipment and reagents provided in the *Hach Stormwater Test Kit*. This is a colorimetric test method in which the intensity of the color in the reagent can be used to estimate the anionic detergent concentration. In most cases, a clear result indicates no detergent in the sample, and a blue tint indicated a positive detection of detergent.

In some samples with high turbidity, the MBAS test method results in foam or bubbles in the solution. These bubbles have no impact on the overall test result, and if the bubbles and solution are clear, the result is a negative test for detergent.







**Detergent Present** 



Turbidity Bubbles, No Detergent Present

Figure 11 – Typical MBAS Detergent Test Results

Because of the equipment and reagents (including chloroform) used in the MBAS test, the detergent test was conducted in the office at the end of the day. OMNNI's experience with samples that have tested positive for detergent show that little dissipation occurs within 48 hours of testing, so same-day testing for detergents was an acceptable approach.

#### Results

The detergent results for the samples are shown in Figure 12.

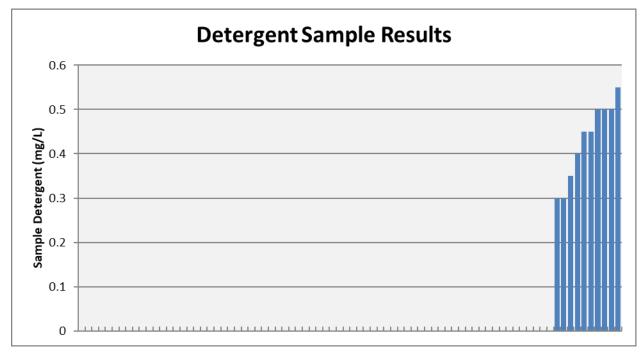


Figure 12 - Detergent sample results

The detergent values ranged from 0 to 0.55 mg/L, with ten samples showing positive detections of detergent. Based on other factors, those outfalls may or may not have been classified as potential illicit discharges. The illicit discharge potential of the outfalls with detergent detections are summarized in Table 3.

Table 3 – IDDE potential of outfalls with detergent detections

Outfall	Detergent (mg/L)	IDDE Potential	Reason
13-2332 US1	0.3	Potential	Detergent detected in upstream manhole flow.
06-494 US1	0.3	Potential	Detergent detected in upstream manhole pool.
16-660 US1	0.35	Potential	Detergent detected in upstream manhole flow.
16-995 US1	0.4	Potential	Detergent detected in upstream manhole pool.
			Detergent and elevated conductivity in flow from
16-844	0.45	Potential	outfall.
13-3774	0.45	Potential	Detergent detected in flow from outfall.
06-610	0.5	Potential	Detergent detected in flow in manhole.
13-471	0.5	Potential	Detergent detected in flow from outfall.
06-473	0.5	Potential	Detergent detected in flow in manhole.
16-1205 US1	0.55	Potential	Detergent detected in upstream manhole pool.

The outfalls that were considered potential or obvious illicit discharges are discussed in more detail in the *Potential Illicit Discharges* section of this report.

# POTENTIAL ILLICIT DISCHARGES

After examining the presence of physical indicators at each outfall and any chemical indicators present in the stormwater samples, each outfall was assigned one of the following classifications, in order of increasing likelihood of the presence of current or past illicit discharges:

- Unlikely no significant physical or chemical evidence of current or past illicit discharge
- Potential presence of physical and/or chemical indicators, but no strong visible evidence
- Obvious visible and/or strong chemical evidence of current or past illicit discharge

Of the 91 inspected outfalls, 56 were classified as unlikely, 35 were classified as potential, and none were classified as "obvious." The outfalls that were classified as anything other than "unlikely" are summarized in the table below and discussed in more detail in the following sections. A map showing the locations of these outfalls is included in Appendix C.

Table 4 - Outfalls with elevated illicit discharge classifications

Outfall	Classification	Reason
01-520	Potential	Persistent gross solids in upstream manhole (also present in 2009,
		2010, 2011, 2012, 2013, 2014, 2015, 2016 and 2017).
02-309	Potential	Persistent gross solids in upstream manhole (also present in 2011,
		2015, 2016 and 2017).
02-357	Potential Persistent gross solids in upstream manhole (also present in 2	
		2012, 2014, 2015, 2016 and 2017).
03-22	Potential	Persistent gross solids in upstream manhole (also present in 2009,
		2010, 2011, 2012, 2013, 2014, 2015, 2016 and 2017).
03-35	Potential	Persistent gross solids in upstream manhole (also present in 2009,
		2010, 2011, 2012, 2013, 2015, 2016, and 2017).
03-81	Potential	Persistent gross solids in upstream manhole (also present in 2009,
		2010, 2014, 2016 and 2017). (Past results of oil sheen/odor,
		detergent and elevated ammonia.)
03-173	Potential	Persistent gross solids in upstream manhole (also present in 2010,
		2011, 2014, 2015, 2016 and 2017).
03-381	Potential	Persistent gross solids in upstream manhole (also present in 2010,
		2011, 2014, 2015, 2016 and 2017).
05-14	Potential	Persistent gross solids in upstream manhole (also present in 2015,
		2016 and 2017).
06-52	Potential	Persistent gross solids in upstream manhole (also present in 2010,
		2011, 2014, 2015, 2016 and 2017).
06-216	Potential	Persistent gross solids in upstream manhole (also present in 2010).
06-221	Potential	Persistent gross solids in upstream manhole (also present in 2010,
		2011, 2014, 2016 and 2017).
06-253	Potential	Elevated ammonia in upstream manhole sample (also present in
		2017).
06-473	Potential	Detergent detected in manhole (outfall).
06-494	Potential	Detergent detected in manhole (outfall).

Outfall	Classification	Reason
06-610	Potential	Detergent detected in manhole (outfall).
06-810	Potential	Persistent gross solids in upstream manhole.
06-829	Potential	Persistent gross solids in upstream manhole (also present in 2012, 2013 and 2014).
08-284	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015, 2016 and 2017).
08-347	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015, 2016 and 2017).
09-101c	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2010, 2011, 2012 and 2014).
11-376	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015, 2016 and 2017).
11-512	Potential	Persistent gross solids in upstream manhole (also present in 2011, 2012, 2014, 2015, 2016 and 2017).
12-569	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2014, 2015, 2016 and 2017).
12-1328a	Potential	Elevated pH (also present in 2015, 2016 and 2017).
13-471	Potential	Detergent detected in outfall flow.
13-2332	Potential	Detergent detected in upstream manhole.
13-3774	Potential	Detergent detected in outfall flow.
16-436	Potential	Persistent gross solids in upstream manhole (also present in 2010 and 2011).
16-533	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015, 2016 and 2017).
16-594	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2016 and 2017).
16-660	Potential	Detergent detected in upstream manhole sample (also detected in 2017).
16-844	Potential	Elevated conductivity and detergent in outfall flow.
16-995	Potential	Detergent detected in upstream manhole sample (also detected in 2017).
16-1205	Potential	Detergent detected in upstream manhole.

A chart showing the number of outfalls inspected over the past ten years (starting with the initial screening in 2009) and the number of potential or obvious illicit discharges is shown in Figure 13.

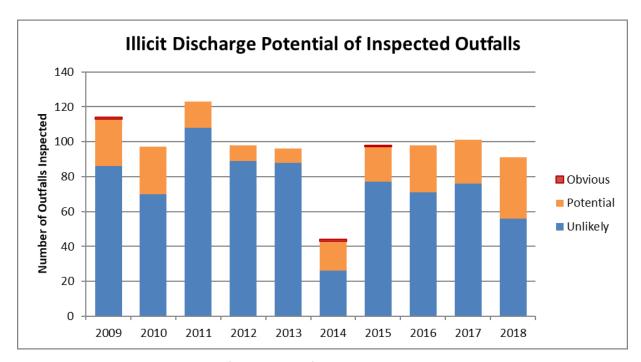


Figure 13 - Illicit discharge potential of inspected outfalls

The outfalls with potential or obvious illicit discharges are described in more detail below.

# **Upstream Manholes with Significant Floatable Debris**

During the 2018 ongoing screening program, 23 upstream manholes contained significant amounts of floatable debris (gross solids), including plastic bottles, foam packaging, and other solid waste, and were classified as potential illicit discharges. This effect was most pronounced at manholes upstream of a fully-submerged outfall, where the storm sewer pipes within the manhole were also fully-submerged. In these cases, any floatable debris traveling along the top of the storm sewer pipe will enter the manhole and will remain trapped on the surface of the manhole pool, as they are not able to escape through the submerged outlet pipe. In these cases, the submerged manhole acts as a trap for much of the floatable debris.

While some may not consider gross solids a true illicit discharge, it does meet the definition of an illicit discharge, since it is a substance present in the discharge that is not comprised entirely of stormwater. In most cases, there will be one or more access points which allow the debris to enter the MS4. Because of this, the presence of significant floatable debris in upstream manholes caused the illicit discharge potential of the outfall to be raised to "potential." Upstream manholes with isolated solid waste or debris (generally three or fewer pieces) are not included in this list and were not considered potential illicit discharges.

Note that in some cases, sediment and/or vegetation falls into the manhole when the manhole cover is removed, and those materials also appear in the photos. The severity of the floatable debris is based on the presence of the original debris and solid waste.

Upstream manholes that were classified as "potential" sources of illicit discharge due to significant floatable debris during the 2009-2017 screening programs are shown in the table in Appendix D. The 2018 screening results are also shown.

The outfalls with continuing observations of significant floatable debris were classified as priority outfalls in the revised ongoing screening program. This designation will cause them to be screened annually. These manholes should be cleaned several months prior to the scheduled outfall screening. By doing this, it will be possible to determine if the debris is from a prior discharge, or if the problem is ongoing. If it is determined that it is an ongoing problem, upstream inlets, especially those located near dumpsters or other solid waste storage areas, should be closely examined in an attempt to locate the source of the discharge. These areas could then be targeted for public education campaigns.

A map showing the locations of the manholes with floatable debris is included in Appendix D.

# Outfall 06-253 (Campbell Road)

Outfall 06-253 consists of a 34x53 inch reinforced concrete pipe (RCP) that discharges into the Fox River at the end of the extension of Campbell Road. The pipe may be the effluent pipe for the wastewater treatment plant. The pipe is fully submerged.





Figure 14 - Outfall 06-253 (2018)

Because the outfall is fully submerged, it is screened at the upstream manhole (06-253 US1) located approximately 266 feet upstream of the outfall, in the senior center parking lot.



Figure 15 - Upstream manhole 06-253 US1 (2018)

During the 2017 screening, the sample collected from manhole 06-253 US1 had an elevated level of ammonia. No other parameters were outside of the normal range, although conductivity was approaching the 2,000  $\mu$ S/cm action level.

Because this outfall is a priority outfall, it was rescreened as part of the 2018 screening program. The screening showed that the ammonia was once again elevated, and conductivity was above the  $2,000 \, \mu \text{S/cm}$  action level.

The samples collected from the upstream manhole during prior screenings are summarized in Table 5:

Table 5 - Sample results from outfall 06-253

Date	Location	Ammonia (ppm)	Detergent (mg/L)	рН	Conductivity (µS/cm)
9/10/2009	Upstream	N/A	0	6.92	N/A
8/18/2010	Upstream	0	0	7.05	N/A
9/23/2015	Upstream	0	0	7.53	1,220
10/18/2016	Upstream	0	0	7.01	1,228
10/19/2017	Upstream	3	0	7.15	1,990
10/24/2018	Upstream	3	0	7.27	2,280

Because this outfall is classified as a priority outfall, it is scheduled to be rescreened in 2019.

Additional information related to the investigation of this outfall is contained in Appendix D.

# Outfall 06-473 (Mason Street)

A large metal box culvert runs from 9<sup>th</sup> Avenue (Franklin Elementary School) to Witzel Avenue (east of Lourdes High School). Because this culvert diverts a stream, it is considered a Water of the State, and outfalls are located wherever storm sewer lines discharge to it. Outfall 06-473 is located where the 24" storm sewer from Mason Street discharges to the culvert from the south, just south of W. 5<sup>th</sup> Avenue. Because it was not possible to screen at the actual junction, the outfall was screened at the nearest manhole.





Figure 16 - Outfall 06-473 (2018)

During the 10/25/2018 screening, the outfall was partially submerged with a slight flow. Detergent was detected in the sample that was collected. Because of this, a second sample was collected on 10/26/2018, which also contained detergent.

The samples summarized in Table 6:

Table 6 - Sample results from outfall 06-473

Date	Location	Ammonia (ppm)	Detergent (mg/L)	рН	Conductivity (µS/cm)
10/25/2018	Manhole	0	0.5	8.15	1,289
10/26/2018	Manhole	0	0.3	8.25	1,080

No apparent sources were readily identified during the field screening. Because of additional detergent detections in the area, this detergent detection could be related to the discharge at outfall 13-471 at W.  $9^{th}$  Avenue.

Because this outfall is a non-priority non-major outfall, it would normally be scheduled to be screened in 10 years. However, because of the potential illicit discharge, it will be scheduled to be rescreened in 2019. If the detergent is still present, and additional tracking will be performed.

Additional information related to the investigation of this outfall is contained in Appendix D.

# Outfall 06-494 (W. 4th Avenue)

A large metal box culvert runs from 9<sup>th</sup> Avenue (Franklin Elementary School) to Witzel Avenue (east of Lourdes High School). Because this culvert diverts a stream, it is considered a Water of the State, and outfalls are located wherever storm sewer lines discharge to it. Outfall 06-494 is located where the 36x58" storm sewer from W. 4<sup>th</sup> Avenue discharges to the culvert from the west, between Mason Street and Sawyer Street. Because it was not possible to screen at the actual junction, the outfall was screened at the nearest manhole, at the intersection of W. 4<sup>th</sup> Avenue and Mason Street.





Figure 17 - Outfall 06-494 US1 (2018)

During the 10/25/2018 screening, the outfall was partially submerged with indeterminate flow. Detergent was detected in the sample that was collected. Because of this, a second sample was collected on 10/26/2018, which also contained detergent.

The samples summarized in Table 7:

Table 7 - Sample results from outfall 06-473

Date	Location	Ammonia (ppm)	Detergent (mg/L)	рН	Conductivity (µS/cm)
10/25/2018	Manhole	0	0.3	8.32	1,884
10/26/2018	Manhole	0	0.5	8.36	1,787

No apparent sources were readily identified during the field screening. Because of additional detergent detections in the area, this detergent detection could be related to the discharge at outfall 13-471 at W. 9<sup>th</sup> Avenue.

Because this outfall is a non-priority non-major outfall, it would normally be scheduled to be screened in 10 years. However, because of the potential illicit discharge, it will be scheduled to be rescreened in 2019. If the detergent is still present, and additional tracking will be performed.

Additional information related to the investigation of this outfall is contained in Appendix D.

# Outfall 06-610 (W. 5th Avenue)

A large metal box culvert runs from 9<sup>th</sup> Avenue (Franklin Elementary School) to Witzel Avenue (east of Lourdes High School). Because this culvert diverts a stream, it is considered a Water of the State, and outfalls are located wherever storm sewer lines discharge to it. Outfall 06-610 is located where the 15" storm sewer from W. 5<sup>th</sup> Avenue discharges to the culvert from the west. Because it was not possible to screen at the actual junction, the outfall was screened at the nearest manhole, at the intersection of W. 5<sup>th</sup> Avenue and Mason Street.





Figure 18 - Outfall 06-610 (2018)

During the 10/25/2018 screening, the outfall was partially submerged with indeterminate flow. Detergent was detected in the sample that was collected. Because of this, a second sample was collected on 10/26/2018, which also contained detergent.

The samples summarized in Table 8:

Table 8 - Sample results from outfall 06-473

Date	Location	Ammonia (ppm)	Detergent (mg/L)	рН	Conductivity (µS/cm)	
10/25/2018	Manhole	0	0.5	8.09	1,272	
10/26/2018	Manhole	0	0.45	8.17	1,215	

No apparent sources were readily identified during the field screening. Because of additional detergent detections in the area, this detergent detection could be related to the discharge at outfall 13-471 at W.  $9^{th}$  Avenue.

Because this outfall is a non-priority non-major outfall, it would normally be scheduled to be screened in 10 years. However, because of the potential illicit discharge, it will be scheduled to be rescreened in 2019. If the detergent is still present, and additional tracking will be performed.

Additional information related to the investigation of this outfall is contained in Appendix D.

# Outfall 12-1328a (Nolte Avenue detention basin)

Outfall 12-1328a consists of a 42-inch reinforced concrete pipe that discharges the northeast corner of the detention basin located between W. Snell Road and Algoma Blvd. This segment of storm sewer was reconstructed in 2014 as part of the I-41 /Algoma Blvd (USH 45) overpass. This outfall replaces former outfall 12-1328, which was located at the west end of Fernau Avenue.



Figure 19 - Outfall 12-1328a (2018)

The outfall was first screened on September 23, 2015. During that screening, a trickle discharge was observed, with a white, silty substance. The silt was observed inside the pipe, on the apron, and on the riprap downstream of the apron. The sample that was collected from the flow had the following chemical indicator parameters outside of normal range:

Ammonia: 1 ppm

pH: 11.66

Conductivity: 2,470 μS/cm

In addition, the sample reacted with the chlorine test strips to turn yellow, rather than their typical graduated shades of purple. This typically indicates that another chemical is present in the sample that interferes with the test strips.

OMNNI traced the discharge on September 28, 2015. A sample from the outfall had a pH of 9.73. Upstream tracing was conducted primarily using visible flow and white staining and supplemented with pH samples. The discharge was traced to a 6-inch pipe that was tapped into a curb inlet (582A) near the intersection of Walter Street and Fernau Avenue. The pipe appeared to be coming from the Carew concrete plant. A sample collected from this pipe had a pH of 12.28, and white staining was present in the pipe, confirming that it was the source of the discharge.



Figure 20 - Inlet 582A (9/28/2015)



Figure 21 – Pipe discharging into inlet 582A (9/28/2015)

The Illicit Discharge Coordinator was notified of this pipe on September 28, 2015, and OMNNI and City personnel met with a representative of Carew Concrete on September 29, 2015 to attempt to identify the source of the discharge. No upstream inlets or catchbasins were located on the property. City personnel inserted a temporary plug in the end of the pipe to stop the discharge.

During the 2016 screening on October 10, 2016, it was observed that the pipe in the upstream catchbasin had been permanently plugged.

The samples collected from the outfall and/or upstream manhole during prior screenings are summarized in Table 9:

Table 9 - Sample results from outfall 12-1328a

Date	Location	Ammonia (ppm)	Detergent (mg/L)	рН	Conductivity (µS/cm)
9/23/2015	Outfall	1	0	11.66	2,470
10/10/2016	Outfall	0	0	9.45	880
10/18/2017	Outfall	0	0	9.23	1,563
10/24/2018	Outfall	0	0	9.04	792

Because of the industrial nature of the drainage basin and the identified illicit discharge, outfall 12-1328a was classified as a priority outfall and will be screened annually. If the elevated pH is due to residual contamination in the pipe, the pH should continue to decrease with future screenings. This process could be accelerated if the City jets the storm sewer between inlet 582A and the outfall.

Additional information related to the investigation of this outfall is contained in Appendix D.

# Outfall 13-471 (W. 9<sup>th</sup> Avenue)

Outfall 13-471 consists of a 48x76 elliptical concrete pipe that discharges to a channel north of W. 9<sup>th</sup> Avenue. After flowing approximately 400 feet, the channel enters the large metal box culvert that flows north to Witzel Avenue and discharges east of Lourdes High School.

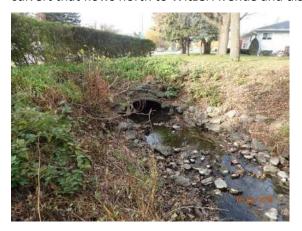


Figure 22 - Outfall 13-471 (2018)

During the 10/25/2018 screening, the outfall was partially submerged with significant flow. A sample was collected from the flow, which tested positive for detergent. Because of this, a second sample was collected on 10/26/2018, which also contained detergent.

The samples summarized in Table 10:

Table 10 - Sample results from outfall 13-471

Date	Location	Ammonia (ppm)	Detergent (mg/L)	рН	Conductivity (µS/cm)
9/4/2009	Outfall	N/A	0	8.38	N/A
6/13/2012	Outfall	0	0	7.91	1,579
10/25/2018	Outfall	0	0.5	8.16	1,209
10/26/2018	Outfall	0	0.4	8.18	1,183

No apparent sources were readily identified during the field screening. This detergent discharge may be related to the detections at downstream outfalls 06-473, 06-494 and 06-610.

Because this outfall is a non-priority major outfall, it would normally be scheduled to be screened in 5 years. However, because of the potential illicit discharge, it will be scheduled to be rescreened in 2019. If the detergent is still present, and additional tracking will be performed.

Additional information related to the investigation of this outfall is contained in Appendix D.

#### Outfall 13-2332 (Fox Tail Ln)

Outfall 13-2332 consists of a 33x60 elliptical concrete pipe that discharges to a channel north of Fox Tail Lane, near Traeger Middle School.



Figure 23 - Outfall 13-2332 (2018)

Because the outfall was partially submerged during the 10/24/2018 screening, it was screened at the upstream catchbasin (13-2332 US1) located approximately 30 feet upstream of the outfall.



Figure 24 - Upstream manhole 13-2332 US1 (2018)

During the 10/24/2018 screening, the outfall was partially submerged with slight flow. A sample was collected from the flow, which tested positive for detergent. Because of this, a second sample was collected on 10/26/2018, which also contained detergent.

The samples summarized in Table 11:

Table 11 - Sample results from outfall 13-2332

Date	Location	Ammonia (ppm)	Detergent (mg/L)	рН	Conductivity (µS/cm)
9/3/2009	Manhole	N/A	0	8.04	N/A
6/12/2012	Manhole	0	0	7.64	982
10/24/2018	Manhole	0	0.3	7.56	1,107
10/26/2018	Manhole	0	0.35	7.66	1,082

Additional tracking was conducted on 10/29/2018. (The area received 0.2 inches of rain the previous day, which should not have impacted the results.) During this tracking, the flow was traced back to manhole 13-2334, located between W. 20<sup>th</sup> Avenue and Montclair Place. A sample from the pipe entering the manhole from the south had a detergent concentration of 0.80 mg/L, indicating that the source of the detergent is likely from one of the branches along W. 20<sup>th</sup> Avenue or S. Oakwood Road.

Because this outfall is a non-priority non-major outfall, it would normally be scheduled to be screened in 10 years. However, because of the potential illicit discharge, it will be scheduled to be rescreened in 2019. If the detergent is still present, and additional tracking will be performed.

Additional information related to the investigation of this outfall is contained in Appendix D.

## Outfall 13-3774 (Armory Pond)

Outfall 13-3774 consists of a 66" reinforced concrete pipe that discharges to the west side of the recently-constructed Armory pond, near the end of Menard Drive. The drainage area for this outfall consists primarily of the commercial area east of S. Koeller Street, between 9<sup>th</sup> Street and 2th Street.



Figure 25 - Outfall 13-3774 (2018)

A sample was collected from the trickle flow from the outfall on 10/25/2018. Detergent was detected in this sample at 0.45 mg/L. Because of this detection, the outfall flow was resampled on 10/26/2018, and the detergent concentration was 0.85 mg/L. No other indicator parameters were above action limits.

Preliminary tracking activities were conducted on 10/29/2018. (The area received 0.2 inches of rain the previous day, which may have impacted the results.) Screening started at the first upstream manhole, which was the large vault immediately north of the outfall.



Figure 26 - Upstream manhole 13-3774 (2018)

A sample was collected from the flowline of the manhole, at the upstream end of the 66" outfall pipe. This sample contained no detergent. However, suds were noted on the bench at the outlet of the pipe entering the manhole from the west. The detergent test for the sample collected from this pool was also negative.



Figure 27 - Flowline of manhole 13-3774 (2018)

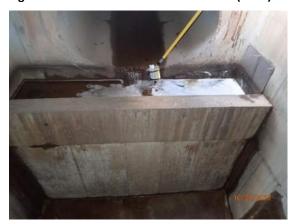


Figure 28 - Sample from west - manhole 13-3774 (2018)

Additional upstream manholes in the Shopko parking lot and on Menard Drive were also screened. If any flows were present, they were not sufficient to collect a sample for detergent testing. As a result, no suspected source or direction was determined for the detergent in the flow.

The samples summarized in Table 12:

Table 12 - Sample results from outfall 13-3774

Date	Location	Ammonia (ppm)	Detergent (mg/L)	рН	Conductivity (µS/cm)
9/28/2015	Outfall	0	0	8.07	455
10/19/2016	Outfall	0	0	8.07	1,396
10/18/2017	Outfall	0	0	7.88	1,262
10/25/2018	Outfall	0	0.45	7.94	1,865
10/26/2018	Outfall	0	0.85	7.91	1,745
10/29/2018	Manhole –	N/A	0	N/A	2,020
	flowline				
10/29/2018	Manhole –	N/A	0	N/A	1,028
	west pool				
10/29/2018	Pond	N/A	0.15	N/A	N/A

Because this outfall is classified as a priority outfall, it is scheduled to be rescreened in 2019. If detergent is still present, additional upstream tracking will be performed.

Additional information related to the investigation of this outfall is contained in Appendix D.

## Outfall 16-660 (Fall Creek Lane)

Outfall 16-660 consists of a 21-inch RCP that discharges into the south end of a detention basin between Westhaven Drive and Sawyer Creek. The drainage basin for the storm sewer is primarily a residential area.



Figure 29 - Outfall 16-660 (2018)

This outfall tested positive for detergent (0.55 mg/L) in 2017, so it was rescreened in 2018.

Because the outfall was partially submerged, it was screened at the upstream manhole (16-660 US1) located approximately 257 feet upstream of the outfall, at the end of Fall Creek Lane.



Figure 30 - Upstream manhole 16-660 US1 (2018)

Detergent was detected in the 10/25/2018 sample, as well as the 10/26/2018 follow-up sample.

Preliminary tracking activities were conducted on 10/29/2018. (The area received 0.2 inches of rain the previous day, which may have impacted the results.) No detergent was detected on this day, but the source of the flow in the manhole was investigated. The flow appeared to originate between manholes 16-1227 and 16-1230, near 335 Sunnybrook Drive. However, this does not indicate that this is the source of the detergent.

The samples collected from the upstream manhole during prior screenings are summarized in Table 13:

Table 13 - Sample results from outfall 16-660

Date	Location	Ammonia (ppm)	Detergent (mg/L)	рН	Conductivity (µS/cm)
5/30/2012	Manhole	0	0	8.35	1,148
10/3/2017	Manhole	0	0.55	8.26	845
10/17/2017	Manhole	0	0	7.78	926
10/25/2018	Manhole	0	0.35	7.90	1,037
10/26/2018	Manhole	0	0.70	7.83	1,063
10/29/2018	Manhole	0	0	N/A	N/A

If the source of the detergent was "individual residential car washing," the MS4 permit does not consider this an illicit discharge. However, because the exact source of the detergent was not identified, it cannot be considered exempt at this time.

Because this outfall is a non-priority non-major outfall, it would normally be scheduled to be screened in 10 years. However, because of the potential illicit discharge, it will be scheduled to be rescreened in 2019.

Additional information related to the investigation of this outfall is contained in Appendix D.

## Outfall 16-844 (N. Koeller Street)

Outfall 16-844 consists of an 18-inch RCP that discharges into Sawyer Creek on the south side of N. Koeller Street. The drainage basin for the storm sewer is primarily a commercial area along Koeller Street, between Witzel Avenue and Sawyer Creek, just west of the former Kmart building.



Figure 31 - Outfall 16-844 (2018)

Detergent and elevated conductivity was detected in the 10/25/2018 sample, as well as the 10/26/2018 follow-up sample.

Preliminary tracking activities were conducted on 10/29/2018. (The area received 0.2 inches of rain the previous day, which may have impacted the results.) Detergent was detected in the outfall flow, as well as from a manhole pool immediately upstream (west) of Taft Avenue. The remaining manholes were wet, but no samples could be collected.

The samples collected from the outfall during prior screenings are summarized in Table 14:

Table 14 - Sample results from outfall 16-660

Date	Location	Ammonia (ppm)	Detergent (mg/L)	рН	Conductivity (µS/cm)
6/6/2012	Outfall	0	0	8.10	5,050
9/28/2015	Outfall	N/A	N/A	N/A	N/A
10/18/2016	Outfall	0	0	8.29	3,880
10/17/2017	Outfall	0	0	8.35	1,704
10/25/2018	Outfall	0	0.45	8.22	3,300
10/26/2018	Outfall	0	0.5	8.19	3,550
10/29/2018	Outfall	0	0.65	N/A	N/A

Because this outfall is classified as a priority outfall, it is scheduled to be rescreened in 2019.

Additional information related to the investigation of this outfall is contained in Appendix D.

## Outfall 16-995 (Patriot Lane)

Outfall 16-660 consists of a 30-inch high density polyethylene (HDPE) pipe that discharges into a low area at the end of Patriot Lane. The drainage basin for the storm sewer is primarily a residential area.



Figure 32 - Outfall 16-995 (2018)

This outfall tested positive for detergent (1.3 mg/L) in 2017, so it was rescreened in 2018.

Because the outfall was partially submerged, it was screened at the upstream manhole (16-995 US1) located approximately 112 feet upstream of the outfall, in the sidewalk at the end of Patriot Lane.



Figure 33 - Upstream manhole 16-995 US1 (2018)

Detergent was detected in the 10/25/2018 sample, as well as the 10/26/2018 follow-up sample.

Preliminary tracking activities were conducted on 10/29/2018. (The area received 0.2 inches of rain the previous day, which may have impacted the results.) The sample from the upstream manhole had detergent. The next upstream manhole (16-997) was dry. Therefore, no source of flow or detergent was identified.

The samples collected from the upstream manhole during prior screenings are summarized in Table 15:

Table 15 - Sample results from outfall 16-995

Date	Location	Ammonia (ppm)	Detergent (mg/L)	рН	Conductivity (µS/cm)
6/6/2012	Upstream	0	0	7.36	411
10/3/2017	Upstream	0	1.3	7.45	333
10/17/2017	Upstream	0	0.8	7.54	582
10/25/2018	Upstream	0	0.4	7.86	1,011
10/26/2018	Upstream	0	0.85	8.02	1,143
10/29/2018	Upstream	N/A	0.15	N/A	N/A

If the source of the detergent was "individual residential car washing," the MS4 permit does not consider this an illicit discharge. However, because the exact source of the detergent was not identified, it cannot be considered exempt at this time.

Because this outfall is a non-priority non-major outfall, it would normally be scheduled to be screened in 10 years. However, because of the potential illicit discharge, it will be scheduled to be rescreened in 2019.

Additional information related to the investigation of this outfall is contained in Appendix D.

## Outfall 16-1205 (Westowne Avenue)

Outfall 16-1205 consists of a 15-inch RCP that discharges the flow from one curb inlet on Westowne Avenue into the detention basin adjacent to the Shell gas station and McDonalds.



Figure 34 - Outfall 16-1205 (2018)

Because the outfall was partially submerged, it was screened at the upstream manhole (16-1205 US1) located approximately 36 feet upstream of the outfall, in Westowne Ave.



Figure 35 - Upstream manhole 16-1205 US1 (2018)

Detergent was detected in the 10/25/2018 sample, as well as the 10/26/2018 follow-up sample. The pool in the curb inlet was below the invert of the outfall pipe, so the sample was collected from the sump. Because the curb inlet is the only storm sewer component in the drainage basin, no additional tracking was possible.

The samples collected from the upstream manhole during prior screenings are summarized in Table 16:

Table 16 - Sample results from outfall 16-1205

Date	Location	Ammonia (ppm)	Detergent (mg/L)	рН	Conductivity (µS/cm)
6/21/2012	Upstream	N/A	N/A	N/A	N/A
9/28/2015	Upstream	N/A	N/A	N/A	N/A
10/18/2016	Upstream	N/A	N/A	N/A	N/A
10/3/2017	Upstream	N/A	N/A	N/A	N/A
10/25/2018	Upstream	0	0.55	7.68	661
10/26/2018	Upstream	0	0.5	7.42	74

In past years, if the sump level was below the level of the outfall pipe, no sample was collected.

Because this outfall is classified as a priority outfall, it is scheduled to be rescreened in 2019.

Additional information related to the investigation of this outfall is contained in Appendix D.

## STATUS OF PRIOR YEAR'S ISSUES

During the 2017 ongoing screening program, 101 outfalls were screened. The screening revealed 25 potential illicit discharges. Those outfalls identified as potential or obvious illicit discharges were typically recommended to be rescreened in the following year, regardless of their priority status or inspection schedule.

Table 17 summarizes the issues that were identified in 2017, along with the conditions that were observed during the 2018 rescreening. Follow-up actions for outfalls that are still listed as potential or obvious illicit discharges are discussed in greater detail in the "Potential Illicit Discharges" section of this report. If the rescreening resulted in an unlikely illicit discharge, the outfall will return to its normal screening schedule.

Table 17 – Outfalls with elevated illicit discharge classifications (prior year)

	2017			2018
Outfall	Classification	2017 Reason	2018 Observations	Classification
01-520	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2010, 2011, 2012, 2013, 2014, 2015 and 2016).	Severe gross solids present in upstream manhole.	Potential
02-309	Potential	Persistent gross solids in upstream manhole (also present in 2011, 2015 and 2016).	Moderate gross solids present in upstream manhole.	Potential
02-357	Potential	Persistent gross solids in upstream manhole (also present in 2011, 2012, 2014, 2015 and 2016).	Minor gross solids present in upstream manhole.	Potential
03-22	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2010, 2011, 2012, 2013, 2014, 2015 and 2016).	Moderate gross solids present in upstream manhole.	Potential
03-35	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2010, 2011, 2012, 2013, 2015 and 2016).	Moderate gross solids present in upstream manhole.	Potential
03-81	Potential	Oil sheen/odor, detergent and elevated ammonia in upstream manhole, with gross solids (also present in 2009, 2010, 2014 and 2016).	Moderate gross solids present in upstream manhole.	Potential
03-173	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015 and 2016). Evidence of past spill of waxy material on manhole.	Moderate gross solids present in upstream manhole.	Potential

	2017			2018
Outfall	Classification	2017 Reason	2018 Observations	Classification
03-381	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015 and 2016).	Minor gross solids present in upstream manhole.	Potential
05-14	Potential	Persistent gross solids in upstream manhole (also present in 2015 and 2016).	Severe gross solids present in upstream manhole.	Potential
05-241	Potential	Detergent detected in upstream manhole sample.	No detergent or other chemical indicators detected.	Unlikely
06-52	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015 and 2016).	Moderate gross solids present in upstream manhole.	Potential
06-221	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014 and 2016).	Minor gross solids present in upstream manhole.	Potential
06-253	Potential	Elevated ammonia in upstream manhole sample.	Elevated ammonia and conductivity in upstream manhole sample.	Potential
06-1371	Potential	Significant gross solids (dry litter) inside pipe.	No formal screening conducted. Litter not observed.	N/A
06-1746	Potential	Detergent detected in sample from outfall pool.	No detergent or other chemical indicators detected.	Unlikely
08-284	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015 and 2016).	Moderate gross solids present in upstream manhole.	Potential
08-347	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015 and 2016).	Minor gross solids present in upstream manhole.	Potential

Outfall	2017 Classification	2017 Reason	2018 Observations	2018 Classification
11-376	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015 and 2016).	Moderate gross solids present in upstream manhole.	Potential
11-512	Potential	Persistent gross solids in upstream manhole (also present in 2011, 2012, 2014, 2015 and 2016).	Moderate gross solids present in upstream manhole.	Potential
12-569	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2014, 2015 and 2016).	Minor gross solids present in upstream manhole.	Potential
12-1328a	Potential	Elevated pH (also present in 2015 and 2016).	Slightly elevated pH in outfall flow.	Potential
13-1716	Potential	Elevated ammonia in flow sample (also in 2012 and 2013).	No ammonia or other chemical indicators detected.	Unlikely
16-594	Potential	Persistent gross solids in upstream manhole (also present in 2010 and 2016).	Moderate gross solids present in upstream manhole.	Potential
16-660	Potential	Detergent detected in upstream manhole sample.	Detergent detected in upstream manhole sample.	Potential
16-995	Potential	Detergent detected in upstream manhole sample.	Detergent detected in upstream manhole sample.	Potential

## **OUTFALL CONDITION ASSESSMENTS**

While not required for the illicit discharge field screening, OMNNI inspectors noted the presence of any structural damage, significant deposition or erosion, or graffiti at the outfalls. This information can be passed along to the appropriate personnel for any necessary action.

## **Damage**

Four outfalls showed signs of damage that may require attention in the near future. Observed damage included damaged ends of pipes and joint displacement between pipe sections and aprons.

The outfall damage that was observed during the ongoing screening program is summarized in Table 18.

Table 18 - Outfalls with damage

Outfall	Severity	Description
06-478	Minor	Minor (< 1") joint displacement inside pipe
13-1109	Minor	End of PVC pipe damaged
13-2872a	Minor	3" joint displacement between pipe and apron
14-999	Moderate	4" joint displacement between last pipe sections

The outfall damage is shown in the photos that follow. The locations of the damaged outfalls are shown on the map in Appendix C.



Figure 36 – Joint displacement at outfall 06-478 (minor damage)



Figure 38 – Apron displacement at outfall 13-2872a (minor damage)



Figure 37 – Damaged end of pipe at outfall 13-1109 (minor damage)



Figure 39 – Joint displacement at outfall 14-999 (moderate damage)

## **Deposition**

A total of 9 outfalls showed minor, moderate or severe deposition at the end of the outfall pipe or channel, or inside the upstream screening location. As deposition increases, flow may become restricted in the pipe or downstream channel. Outfalls with moderate or severe deposition may need to undergo maintenance to remove the deposited sediment and debris and maintain proper flow.

The outfall deposition that was observed during the ongoing screening program is summarized in Table 19.

Table 19 - Outfalls with deposition

Outfall	Severity	Description
13-1588	Minor	1" of sediment on apron
13-2611	Minor	1" of sediment on apron
13-2860	Moderate	5" of sediment at end of pipe
13-2867	Minor	1" of sediment on apron
14-999	Minor	1" of sediment inside pipe
14-1514	Moderate	11" of sediment and railroad ballast inside pipe
15-2409	Minor	1" of sediment inside pipe
15-2477	Minor	10" of sediment on submerged apron
16-1205	Minor	2" of sediment on apron

The outfall deposition is shown in the photos that follow. The locations of the outfalls with deposition are shown on the map in Appendix C.



Figure 40 – Minor deposition at outfall 13-1588



Figure 42 - Moderate deposition at outfall 13-2860



Figure 41 - Minor deposition at outfall 13-2611



Figure 43 - Minor deposition at outfall 13-2867



Figure 44 – Minor deposition at outfall 14-999



Figure 46 - Minor deposition at outfall 15-2409



Figure 48 – Minor deposition at outfall 16-1205



Figure 45 - Moderate deposition at outfall 14-1514



Figure 47 - Minor deposition at outfall 15-2477

## **Erosion**

One of the outfalls showed signs of erosion at the end of the outfall pipe or channel. Most of the outfalls with minor erosion could be repaired with minor landscaping repairs. Those outfalls

with moderate or severe erosion may need additional structural reinforcement, such as turf reinforcement mat or riprap.

The erosion that was observed during the ongoing screening program is summarized in Table 20.

Table 20 - Outfalls with erosion

Outfall	Severity	Description
13-471	Moderate	Bank erosion downstream from pipe.

The outfall erosion is shown in the photos that follow. The locations of the outfalls with erosion are shown on the map in Appendix C.



Figure 49 - Bank erosion downstream of outfall 13-471

## Graffiti

Graffiti was observed in or around one outfall. The graffiti was not severe but should probably be monitored to make sure that it does not become more severe.

The graffiti that was observed during the ongoing screening program is summarized in Table 21.

Table 21 – Outfalls with graffiti

Outfall	Severity	Description
12-569	Moderate	Graffiti on bridge abutment adjacent to outfall.

The graffiti is shown in the photos that follow. The locations of the outfalls with graffiti are shown on the map in Appendix C.



Figure 50 - Graffiti near outfall 12-569

## 2019 ONGOING SCREENING PROGRAM

The 2018 outfall screening was conducted using the revised Ongoing Screening Program as a guide. All of the outfalls that had been identified as priority outfalls had been screened, along with a subset of the non-priority outfalls. After reviewing the potential illicit discharge history of the screened outfalls, OMNNI is recommending several changes to the outfall classifications.

Due to no evidence of recent illicit discharges, the following 16 outfalls are proposed to be changed from Priority status to Non-Priority (major or non-major) status:

- 01-20
- 01-35
- 01-278
- +03-119
- 08-937
- 09-101a
- 12-576
- 12-1313
- 13-1098
- 13-1588
- 14-1514
- 15-143
- 15-146
- 15-1108
- 15-2409
- 15-2477

Due to consistent recent indications of potential illicit discharges, the following 2 outfalls are proposed to be changed to Priority status from Non-Priority (major or non-major) status:

• 05-14

06-221

In addition, due to new configurations of storm sewer in certain areas, the following outfalls no longer exist, and will be removed from the MS4 inventory:

- 12-2064
- 13-875

Based on the field observations, the overall outfall classification was revised to:

- 31 priority outfalls
- 81 non-priority major outfalls
- 314 non-priority non-major outfalls

Using the screening frequency specified in the Ongoing Screening Program, the following number of outfalls are recommended to be screened for the 2019 outfall screening program:

- 31 priority outfalls
- 16 non-priority major outfalls
- 31 non-priority non-major outfalls

In addition, the 13 non-priority outfalls that had potential or obvious illicit discharges will also be rescreened, bringing the 2019 total to 91 outfalls.

A table summarizing the recent inspection history of the MS4 outfalls, along with the proposed schedule, is included in Appendix E.

## CONCLUSION

OMNNI assisted the City of Oshkosh with the 2018 ongoing screening of the MS4 outfalls, as required by the MS4 permit. A total of 91 outfalls were screened, along with upstream monitoring locations when necessary. Of those 91 outfalls, 56 exhibited unlikely potential of past illicit discharges, and 35 were classified as "potential." These results are summarized in Figure 51:

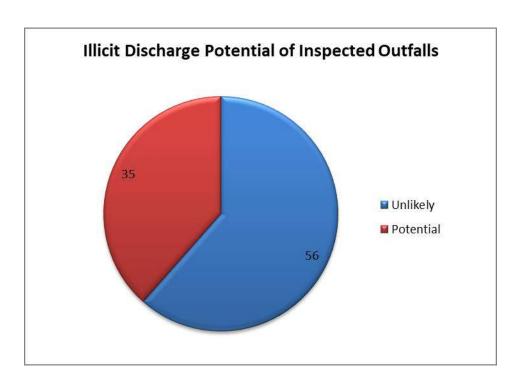


Figure 51 – Illicit discharge potential

Those outfalls classified as "potential" or "obvious" should be given special attention in the ongoing screening program. In particular, the following actions are recommended:

- For the 23 manholes with observed gross solids, the City should remove the
  accumulated debris (via vacuum truck or manual methods) at least six weeks prior to
  the 2019 screening. This will help determine if the discharge of the solid waste into the
  storm sewer is ongoing. (Additional upstream manholes could also be inspected and
  cleaned if necessary.)
- 2. Jet the storm sewer upstream of outfall 12-1328a to remove any remaining residue that may be contributing to the elevated pH in the discharge.
- 3. Investigate the presence of suds in manhole 13-2332 (Armory Pond) and identify which storm sewer lines are active or abandoned.
- 4. Televise the segment of storm sewer on Sunnybrook Drive between manholes 16-1227 and 16-1230, to determine the source of dry-weather flow.

The ongoing screening also identified 4 outfalls with structural damage, 9 with deposition, one with erosion, and one with graffiti. While none of these posed an immediate danger, the City may want to address these issues as part of the regular storm sewer system maintenance.

### STANDARD OF CARE

The conclusions presented in this report were arrived at using generally accepted engineering practices. The conclusions presented herein represent our professional opinions, based on data

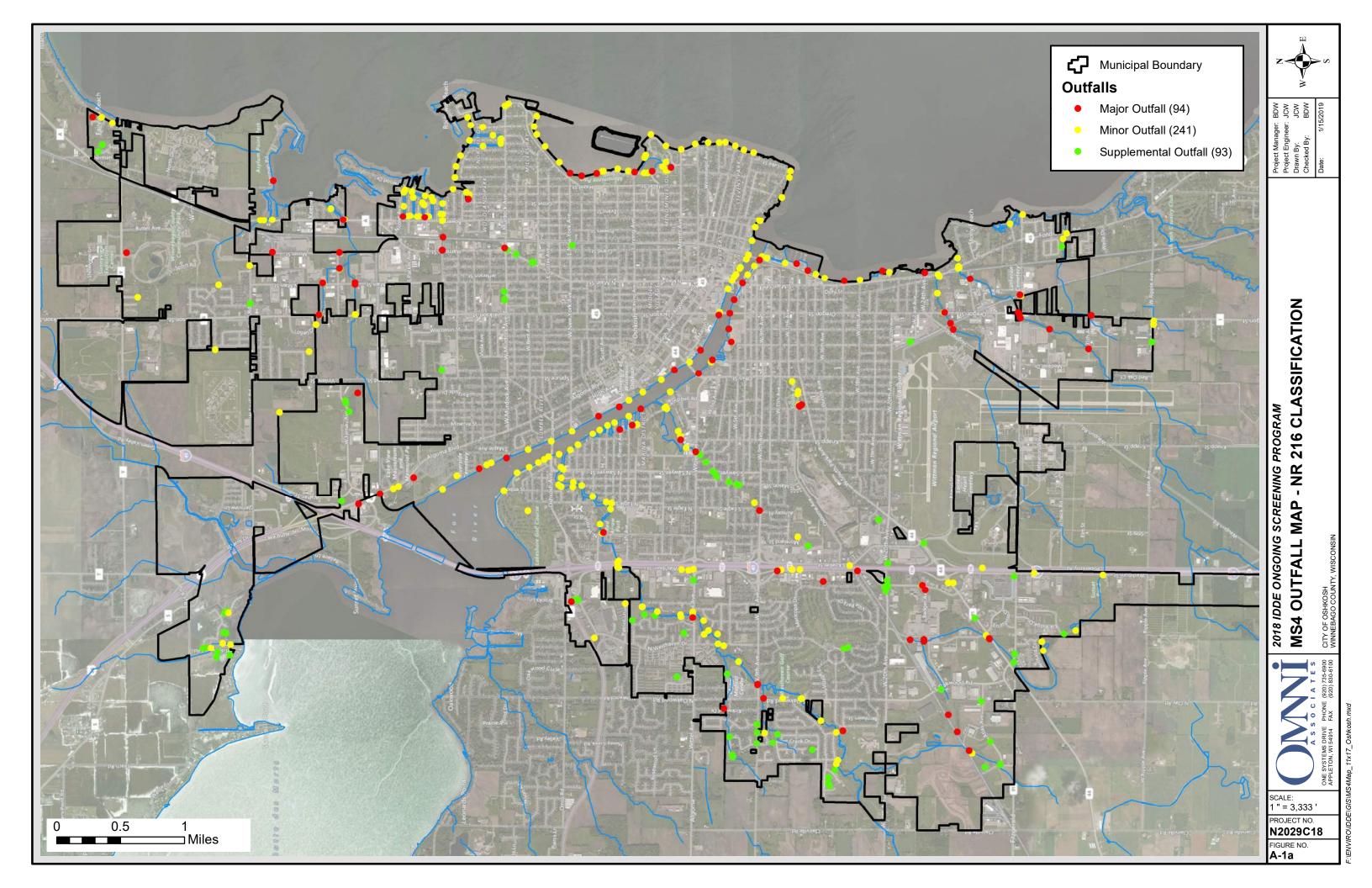
collected at the time of the inspections, at the specific inspection locations discussed in this report. Conditions at other locations in the City or at different times may be different than described in this report. The scope of this report is limited to the specific project and the inspection locations described herein.

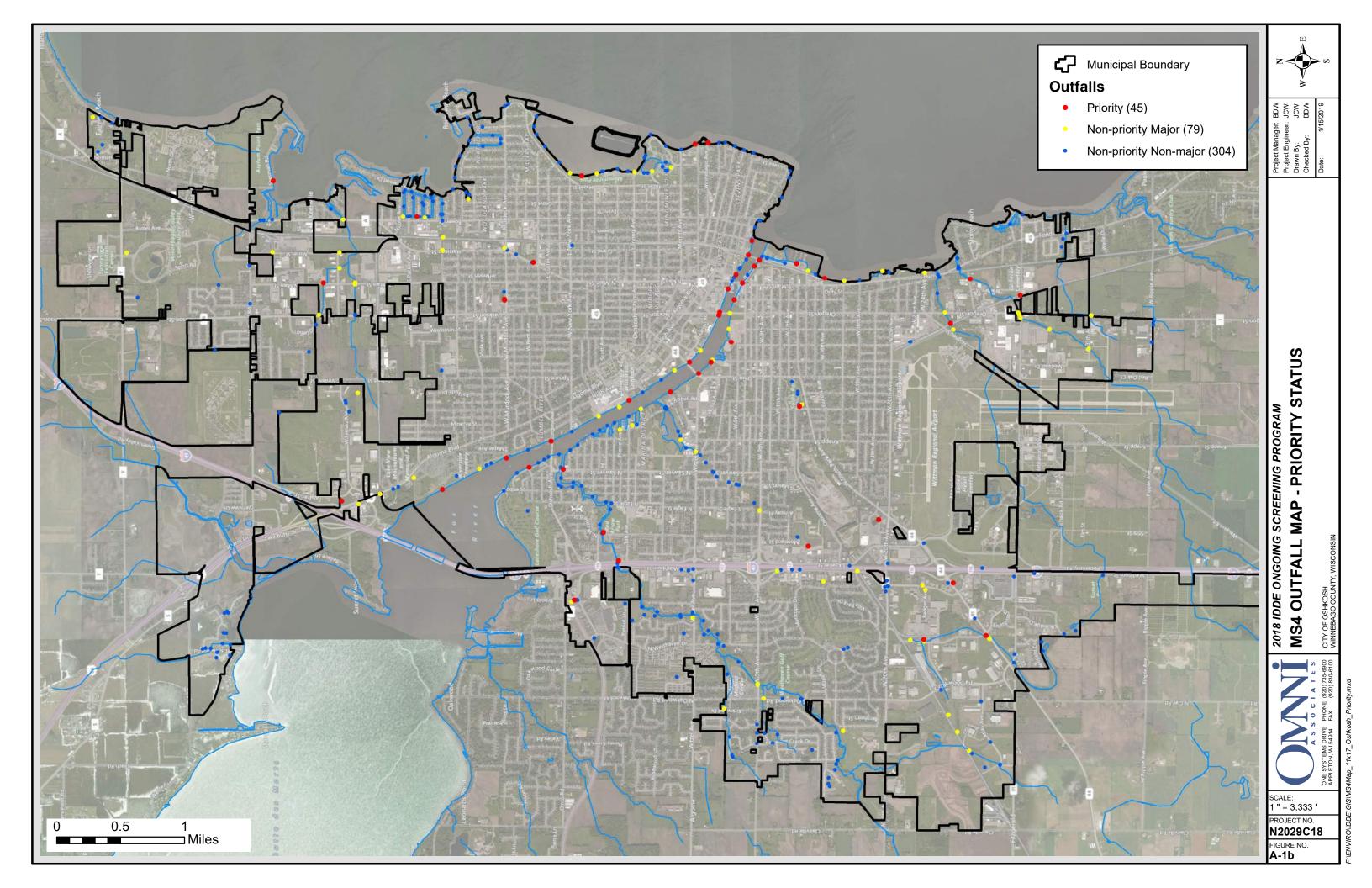
Prepared By:	
	Jason Weis, P.E.
	Project Engineer
Reviewed By:	Brian D. Wayner, P.E.
neviewed by.	•
	Project Manager

## **Appendix A**

## MS4 Outfall Maps

- A-1 MS4 Outfall Maps
- A-2 2018 Outfall Inspection Map











2018 OUTFALL INSPECTION MAP

CITY OF OSHKOSH WINNEBAGO COUNTY, WISCONSIN Project Manager: BDW Project Engineer: JCW Drawn By: JCW PChecked By: BDW

SCALE: 1" = 5,047' PROJECT NO. N2029C18

Date: 1/15/2019

FIGURE NO. A-2

# **Appendix B**

# **Outfall Inspection Reports**

01-20 City of Oshkosh

Priority Outfall

## Structure Type:

Closed Pipe Outfall

## **Discharge Location:**

Water of the State

#### NR 216 Class:

Minor Outfall

#### Shape:

Pipe - Circular

#### Material:

CMP

## City ID:

N/A

#### ─Dimensions

Diameter (in): 36

Height/Depth (in):

Width (in):

#### **Mapping Precison:**

Desktop mapping estimate

■ Not Physically Located



o20181022113526.JPG

#### **Outfall Notes:**

Storm sewer from Commerce St discharges to river from north. Outfall located under dock and not accessible. GPS coordinates approximate. Pipe info from MS4 map.

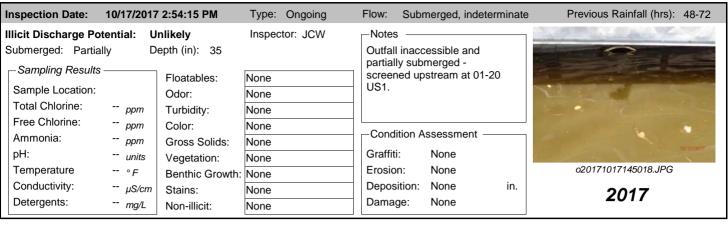
County Coordinates:Latitude/Longitude:Northing:472,017Latitude:44.01437Easting:792,821Longitude:-88.53869

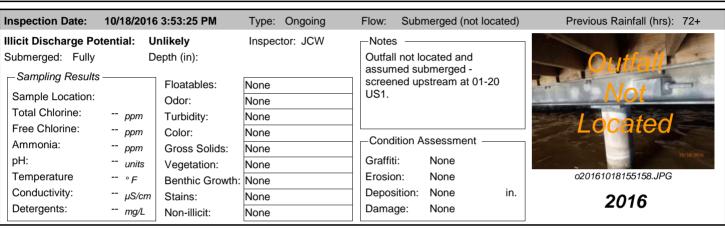
## **Location Map**

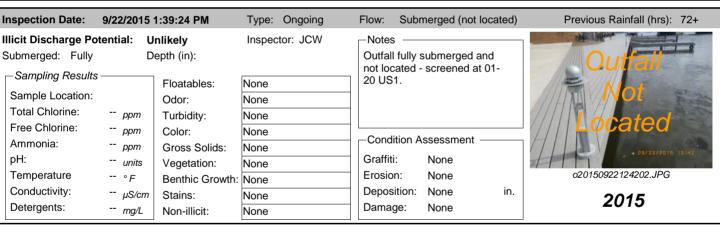


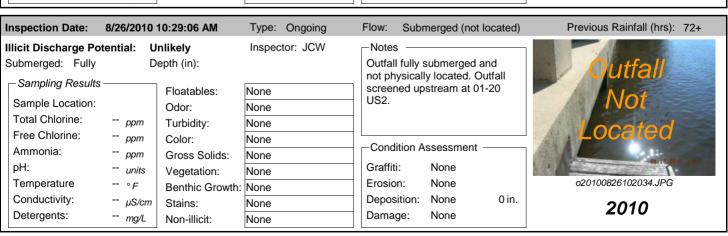
Inspection	Date: 10/2:	2/2018 11:37:54 AM	Inspector:	JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	48-72
Flow Descr Submerged:	•	nerged (not located) Depth (in):	Notes:		t located and assured - screened upstr		Outfa	MATIN
Illicit Disch Floatables: Odor: Turbidity: Color:	None None None None		rol. Sheen roleum C/Solvent	Suds [] Musty [] Fishy [	Sewage Cr	gae	O201810221135	O4.JPG
Gross Solids Vegetation: Benthic Gro Stains:	None	Gre	ibited E	Veg. Debris Excessive Brown Oil Other	Sediment Rust Stains		2018 Sampling Results Sample Location: Sample ID: Time Collected:	3
Non-illicit:  —Physical ( Graffiti: Erosion: Depositio Damage:	None Condition Asso None None n: None None		ural Sheen  Undercut Cracks/Str		Suds/Foam  ushed  mage		Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field): Detergents:	ppm ppm ppm units ° F µS/cm mg/L

01-20 City of Oshkosh









01-20 US1 City of Oshkosh

## Structure Type:

Manhole

## Discharge Location:

Downstream Outfall

#### NR 216 Class:

Minor Outfall - Alternate Location

#### Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

#### City ID:

01-20

#### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

#### **Mapping Precison:**

■ Not Physically Located



o20181022113810.JPG

#### **Outfall Notes:**

Upstream manhole located approx 34 ft NE of outfall 01-20. Intermediate area consists of landscape area and sidewalk.

**County Coordinates:** Latitude/Longitude:

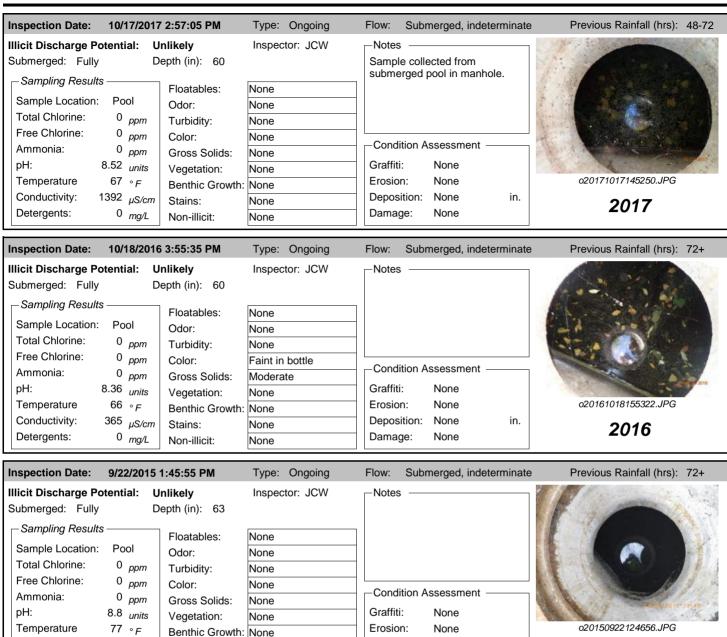
Northing: 472,036 Latitude: 44.01442

Northing: 472,036 Latitude: 44.01442 Easting: 792,850 Longitude: -88.53858



Inspection I	Date: 10/22	/2018 11:41:16 AM In	spector: JCV	V Inspection	on Type: Or	ngoing	Previous Rainfall (hrs)	: 48-7	72
Flow Descri	•	nerged, indeterminate  Depth (in): 65		nple collected fr nhole.	om submerg	ed pool in		1	10
Illicit Discha	arge Potentia	: Unlikely							
Floatables: Odor:	None	Petrol.  Petrole  VOC/S		ty		ine  Other			
Turbidity:	None		orvent 1 isi	J Gunui	ragic	ant		-	10/22/2018
Color:	Faint in bottle	Brown					o201810221	3818.JF	PG
Gross Solids	s: None	Litter	☐ Veg.	Debris 🗌 Sed	iment 🗌 O	ther	20	18	
Vegetation:	None	Inhibite	ed Exces	sive			Sampling Results ——		
Benthic Grov	wth: None	Green	Brown	1			Sample Location: Po	ol	
Stains:	None	Flow Li	=	Rus	t Stains		•	1022-4	3
		Paint	Other				Time Collected: 11	:39	
Non-illicit:	None	Natura	Sheen	atural Suds/Foa	am		Total Chlorine (field):	0	ppm
Physical (	Condition Asse	essment ————					Free Chlorine (field):	0	ррт
Graffiti:	None						Ammonia (field):	0	ppm
Erosion:	None						pH (field):	7.67	units
Deposition		Depth (in):					Temperature (field):	55	°F
Damage:	None		Indercut [ Cracks/Structur	Crushed al Damage			Conductivity (field): Detergents:	335 0	μS/cm mg/L

01-20 US1 City of Oshkosh



Conductivity:

Detergents:

338 <sub>µS/cm</sub>

0 mg/L

Stains:

Non-illicit:

None

None

Deposition:

Damage:

None

None

in.

2015

01-35 City of Oshkosh

Priority Outfall

## Structure Type:

Closed Pipe Outfall

## **Discharge Location:**

Water of the State

#### NR 216 Class:

Minor Outfall

#### Shape:

Pipe - Circular

#### Material:

**RCP** 

## City ID:

N/A

#### -Dimensions

Diameter (in): 36

Height/Depth (in):

Width (in):

#### **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181024105300.JPG

#### **Outfall Notes:**

Division St storm sewer discharges to river from north. Dock constructed over outfall since 2010 - outfall no longer accessible.

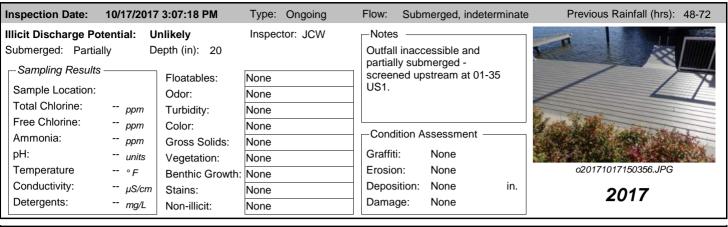
County Coordinates:Latitude/Longitude:Northing:472,359Latitude:44.01531Easting:791,866Longitude:-88.54232

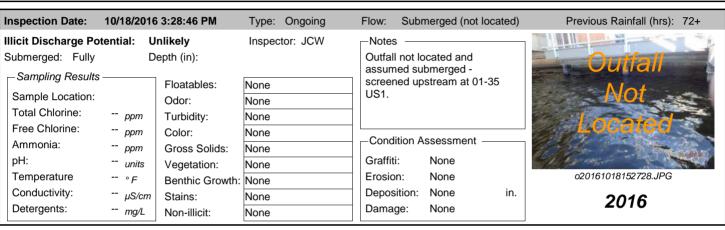
## **Location Map**

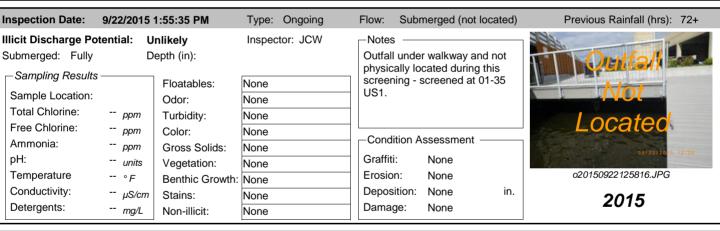


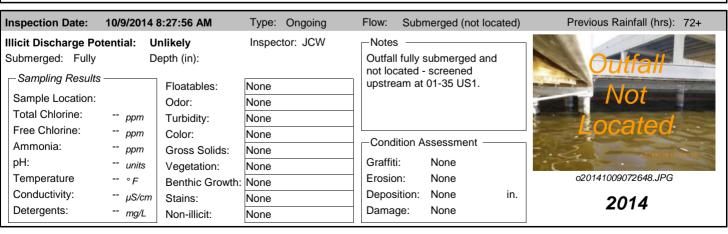
Inspection	Date: 10	0/24/2018 10:55:26 AM Ir	nspector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descr Submerged		ubmerged, indeterminate  Depth (in): 30	subme	inaccessible and part rged - screened upstr	eam at 01-35		
J	,	,	US1. S	Submerged depth estir	mated.		2-50
Illicit Disch	arge Poter	ntial: Unlikely					
Floatables:	None	Petrol.	Sheen Suds	Sewage Alg	gae 🗌 Other		
Odor:	None	☐ Petrole	eum Musty	Sewage Cr	nlorine   Other	E	
		□ VOC/S	Solvent  Fishy	Sulfur Fra	agrant		The second second
Turbidity:	None						INCACOUNT.
Color:	None					0201810241053	312.JPG
Gross Solid	s: None	Litter	Ueg. Deb	oris Sediment	Other	201	8
Vegetation:	None	Inhibite	ed Excessiv	re	Г	Sampling Results ———	
Benthic Gro	wth: None	Green	Brown			Sample Location:	
Stains:	None	☐ Flow L	ine 🗌 Oil	Rust Stains		Sample ID:	
		☐ Paint	Other			•	
Non-illicit:	None	□ Natura	ll Sheen	ıral Suds/Foam		Time Collected:	
		Assessment —				Total Chlorine (field):	<i>ppm</i>
		133633116111				Free Chlorine (field):	<i>ppm</i>
Graffiti:	None					Ammonia (field):	ppm
Erosion:	None	Don'th (Ca)				pH (field):	units
Depositio		Depth (in):				Temperature (field):	° F
Damage:	None			Crushed		Conductivity (field):	μS/cm
		Corrosion (	Cracks/Structural D	Damage		Detergents:	mg/L

01-35 City of Oshkosh









01-35 City of Oshkosh

Inspection Date:	8/25/2010	12:28:17 PM	Type: Ongoing	Flow:	Subn	nerged, indet	terminate	Previous Rainfall (hrs): 72+
Illicit Discharge Po		nlikely	Inspector: JCW	-Note:		II la	al.	
Submerged: Partia	lly D	epth (in): 15			•	illy submerge ned upstrear		S. Comments V. Art C. Williams
Sampling Results		Floatables:	None	01-35	US1.	Estimated	ii at	
Sample Location:		Odor:	None	Subme	erged o	ieptn.		
Total Chlorine:	ppm	Turbidity:	None					
Free Chlorine:	ppm	Color:	None		I:4: A			
Ammonia:	ppm	Gross Solids:	None	Cond	lition A	ssessment -		Secretary of the second
pH:	units	Vegetation:	None	Graffit	ti:	None		A A A A A A A A A A A A A A A A A A A
Temperature	∘ <i>F</i>	Benthic Growth:	Moderate	Erosio	on:	None		o20100825122350.JPG
Conductivity:	μS/cm	Stains:	Slight	Depos	sition:	None	0 in.	2010
Detergents:	mg/L	Non-illicit:	None	Dama	ge:	None		2010

nspection Date:	9/9/2009		Type: Initial	Flow: Sub	merged, inde	terminate	Previous Rainfall (hrs): 72+
Ilicit Discharge Por Submerged: Partia	lly D	otential epth (in): 21	Inspector: JCW	_Notes			Page 1
-Sampling Results		Floatables:	None				
Sample Location:		Odor:	None				
Total Chlorine:	ppm	Turbidity:	None				
Free Chlorine:	ppm	Color:	None				8
Ammonia:	ppm	Gross Solids:	None	-Condition	Assessment -		
pH:	units	Vegetation:	None	Graffiti:	None		09.09.2009 11:12
Temperature	∘ <i>F</i>	Benthic Growth:	None	Erosion:	None		Osh09_DSCN6709.JPG
Conductivity:	μS/cm		None	Deposition:	None	0 in.	2000
Detergents:	mg/L		None	Damage:	None		2009

01-35 US1 City of Oshkosh

#### Structure Type:

Manhole

### **Discharge Location:**

Downstream Outfall

#### NR 216 Class:

Minor Outfall - Alternate Location

#### Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

#### City ID:

01-35

#### Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

## **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181024105512.JPG

#### **Outfall Notes:**

Upstream manhole located approx 72 ft N of outfall 01-35. Intermediate area consists of paved parking area with no observed inlets.

County Coordinates: Latitude/Longitude:

Northing: 472,431 Latitude: 44.01551 Easting: 791,868 Longitude: -88.54231



#### **Inspection Date:** 10/24/2018 10:57:29 AM **JCW** Previous Rainfall (hrs): 72+ Inspector: Inspection Type: Ongoing Flow Description: Submerged, indeterminate Sample collected from submerged pool in Notes: outfall. Submerged: Partially Depth (in): 20 Illicit Discharge Potential: Unlikely Other Petrol. Sheen Suds Sewage Algae Floatables: None Odor: None Petroleum Musty Sewage Chlorine Other ∇OC/Solvent Fishy Sulfur Fragrant Turbidity: None o20181024105518.JPG Color: None Gross Solids: None Litter ☐ Veg. Debris ☐ Sediment ☐ Other 2018 Vegetation: None Inhibited Excessive Sampling Results Benthic Growth: None Green Brown Sample Location: Pool Stains: Flow Line Oil Rust Stains None Sample ID: 181024-57 Paint Other Time Collected: 10:57 Slight ✓ Natural Sheen Natural Suds/Foam Non-illicit: Total Chlorine (field): 0 ppm Physical Condition Assessment Free Chlorine (field): ppm Graffiti: None Ammonia (field): 0 ppm Erosion: pH (field): units None 7.73 ۰F Deposition: None Depth (in): Temperature (field): 50 Damage: None Conductivity (field): 744 μS/cm ☐ Displacement ☐ Undercut Crushed Detergents: 0 mg/L Corrosion Cracks/Structural Damage

01-35 US1 City of Oshkosh



01-35 US1 City of Oshkosh

Inspection Date: 8/25/2010 1	2:35:05 PM	Type: Ongoing	Flow:	Subm	erged, indete	erminate	Previous Rainfall (hrs): 72+
•	likely pth (in): 18	Inspector: JCW	Notes	; ——			
Sampling Results  Sample Location: Pool		None None					Wie !
Total Chlorine: 0 ppm		Slight cloudiness					<b>MAN</b>
Free Chlorine: 0 ppm Ammonia: 0 ppm		Faint in bottle None	Cond	ition As	sessment -		
	Vegetation:	None	Graffit	:	None		125
Temperature 76 ∘ F	Benthic Growth:	Slight	Erosio	n:	None		o20100825122544.JPG
Conductivity: µS/cm	Stains:	None	Depos	ition:	None	0 in.	2010
Detergents: 0 mg/L	Non-illicit:	None	Dama	ge:	None		2010

Inspection Date: 9/9/2	2009	Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potentia Submerged: Partially	Potential Depth (in): 14	Inspector: JCW	Abnormal detergent analysis result (bubbles)	1
	ppm Turbidity:	None None		
Ammonia:	ppm Color: ppm Gross Solids:	None None	Condition Assessment	40. 40-2000 H-18
Temperature 78	units Vegetation:  ° F Benthic Growth:	None None	Graffiti: None Erosion: None	Osh09_DSCN6712.JPG
D	µS/cm Stains: mg/L Non-illicit:	None None	Deposition: None 0 in. Damage: None	2009

01-278 City of Oshkosh

Priority Outfall

## Structure Type:

Closed Pipe Outfall

## Discharge Location:

Water of the State

#### NR 216 Class:

Minor Outfall

#### Shape:

Pipe - Circular

#### Material:

CMP

## City ID:

N/A

#### -Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):

#### **Mapping Precison:**

Desktop mapping estimate

✓ Not Physically Located



o20181022165418.JPG

#### **Outfall Notes:**

Storm sewer from Wisconsin St discharges to river from north. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates: Latitude/Longitude:
Northing: 473,601 Latitude: 44.01871

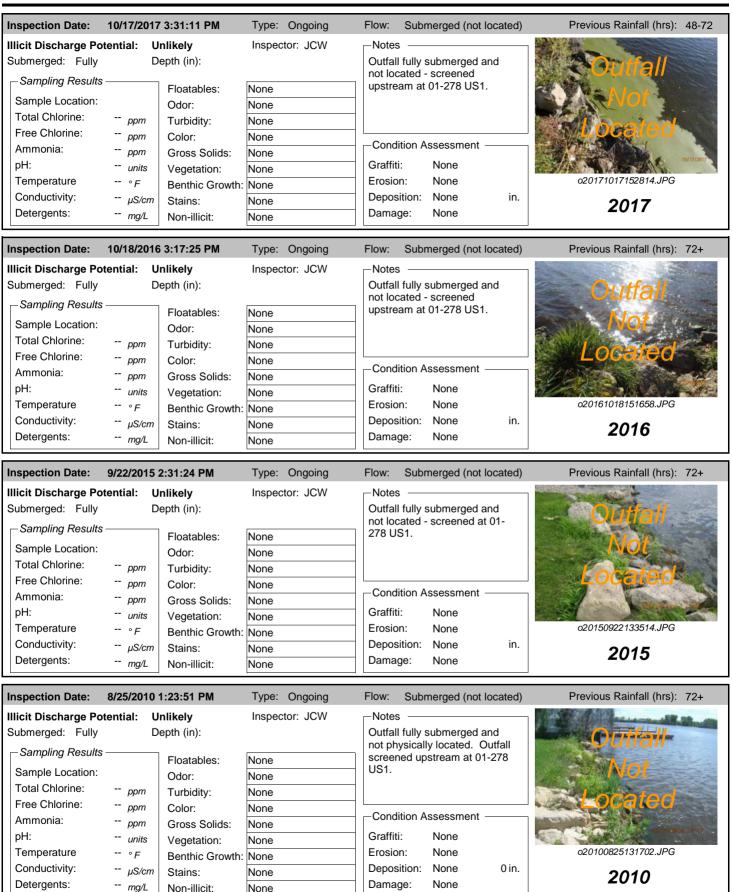
Northing: 473,601 Latitude: 44.01871 Easting: 789,812 Longitude: -88.55013

### Location Map



Inspection	Date:	10/22/2018 4:55:1	3 PM In	spector:	JCW	Inspection Ty	oe: Ongoing		Previous Rainfall (hrs):	48-72
Flow Descri Submerged:	-	Submerged (not I	•	Notes:		fully submerged a ed upstream at 0°		d -	Out	all
Illicit Disch	arge Po	tential: Unlikely							No	
Floatables:	None		Petrol.	Sheen _	Suds	Sewage	Algae	Other		
Odor:	None		Petrole	_	Musty	Sewage	Chlorine	Other	LOG	
Turbidity:	None		☐ VOC/S	olvent	Fishy	Sulfur	Fragrant			
Color:	None								o201810221654	126.JPG
Gross Solids	s: Nor	ne	Litter	\ \	Veg. Deb	ris   Sediment	Other		201	8
Vegetation:	Nor	ne	Inhibite	d 🔲 l	Excessive	e		<b>⊢</b> \$	Sampling Results ———	
Benthic Grov	wth: Nor	ne	Green	I	Brown				Sample Location:	
Stains:	Nor	ne	Flow Li		Oil	Rust Stai	ns		Sample ID:	
			Paint		Other				Time Collected:	
Non-illicit:	Nor	ne	Natural	Sheen	Natur	al Suds/Foam			Total Chlorine (field):	ppm
-Physical (	Conditio	n Assessment —							Free Chlorine (field):	ppm
Graffiti:	Nor	ne							Ammonia (field):	<i>ppm</i>
Erosion:	Nor	ne							pH (field):	units
Deposition	n: Nor	ne Depth (in):							Temperature (field):	° F
Damage:	Nor	ne Displace		Indercut Fracks/Str		Crushed amage			Conductivity (field): Detergents:	μS/cm mg/L
L						- 6.9-				

01-278 City of Oshkosh



01-278 City of Oshkosh

Inspection Date:	9/9/2009		Type: Initial	Flow:	Submerged (not loc	cated)	Previous Rainfall (hrs): 72+
Inspection Date:  Illicit Discharge Por Submerged: Fully  Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH:	tential: U	Odor: Turbidity: Color: Gross Solids:	None None None None None None None None	Outfal not ph screee US1.	Il fully submerged and a specially located. Out ned upstream at 01-2	d tfall	Previous Rainfall (hrs): 72+  Outfall  Not
Temperature Conductivity: Detergents:	° F μS/cm mg/L	Benthic Growth: Stains:	None None None	Erosio Depos Dama	on: None sition: None	0 in.	Osh09_DSCN6704.JPG <b>2009</b>

01-278 US1 City of Oshkosh

# Structure Type:

Manhole

# **Discharge Location:**

Downstream Outfall

#### NR 216 Class:

Minor Outfall - Alternate Location

#### Shape:

Manhole/Catchbasin

# Material:

Manhole - concrete

# City ID:

01-278

#### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181022165506.JPG

#### **Outfall Notes:**

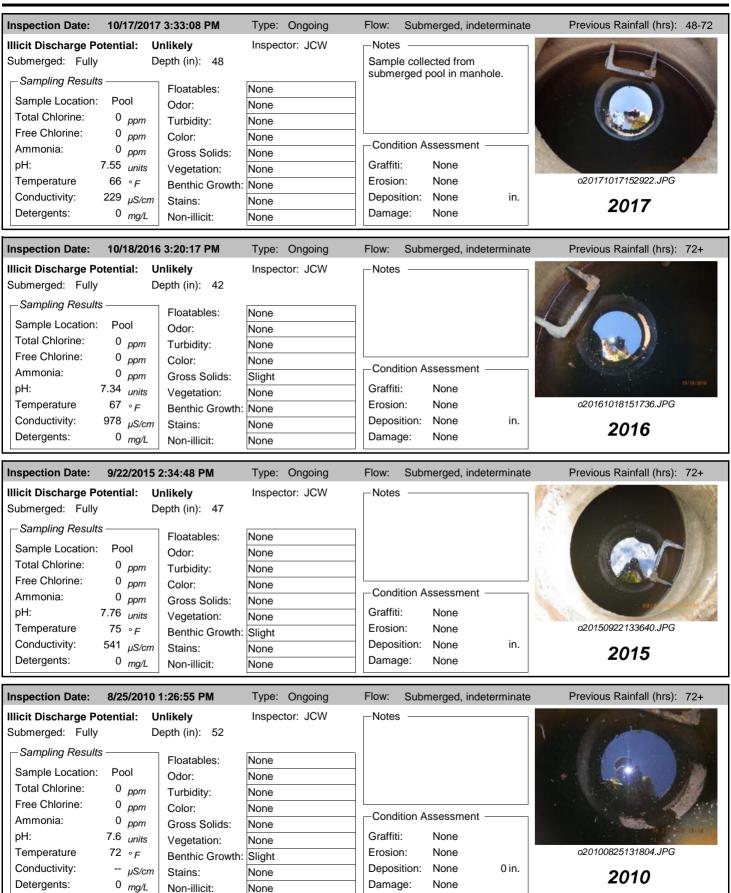
Upstream manhole located approx 18 ft NE of outfall 01-278. Intermediate area consists of open space.

County Coordinates:Latitude/Longitude:Northing:473,614Latitude:44.01875Easting:789,824Longitude:-88.55009

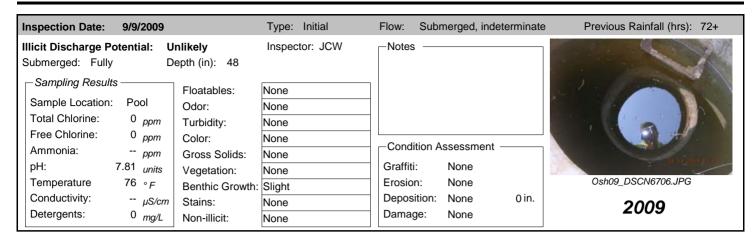


#### **Inspection Date:** 10/22/2018 4:57:30 PM **JCW** 48-72 Inspector: Inspection Type: Ongoing Previous Rainfall (hrs): Flow Description: Submerged, indeterminate Sample collected from submerged pool in Notes: manhole Submerged: Partially Depth (in): 52 Illicit Discharge Potential: Unlikely Other Petrol. Sheen Suds Sewage Algae Floatables: None Odor: None Petroleum Musty Sewage Chlorine Other ∇OC/Solvent Fishy Sulfur Fragrant Turbidity: None o20181022165512.JPG Color: None Gross Solids: None Litter ☐ Veg. Debris ☐ Sediment ☐ Other 2018 Vegetation: None Inhibited Excessive Sampling Results Benthic Growth: Slight ✓ Green Brown Sample Location: Pool Stains: Flow Line Oil None Rust Stains Sample ID: 181022-47 Paint Other Time Collected: 16:55 Natural Sheen Natural Suds/Foam Non-illicit: None Total Chlorine (field): 0 ppm Physical Condition Assessment Free Chlorine (field): ppm Graffiti: None Ammonia (field): 0 ppm Erosion: pH (field): None 7.00 units ۰F Deposition: None Depth (in): Temperature (field): 56 Damage: None Conductivity (field): 1156 μS/cm ☐ Displacement ☐ Undercut Crushed Detergents: 0 mg/L Cracks/Structural Damage Corrosion

01-278 US1 City of Oshkosh



01-278 US1 City of Oshkosh



01-520 City of Oshkosh

Priority Outfall

# Structure Type:

Closed Pipe Outfall

# **Discharge Location:**

Water of the State

#### NR 216 Class:

Major Outfall

#### Shape:

Pipe - Circular

#### Material:

**RCP** 

# City ID:

N/A

#### -Dimensions

Diameter (in): 54

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181024110408.JPG

#### **Outfall Notes:**

Storm sewer from Jackson St discharges to river from north. Outfall fully submerged - pipe info from MS4 map. (OSH-9424 in early reports.)

County Coordinates:Latitude/Longitude:Northing:472,395Latitude:44.01541Easting:791,740Longitude:-88.54280



#### **Inspection Date:** 10/24/2018 11:06:05 AM **JCW** Previous Rainfall (hrs): 72+ Inspector: Inspection Type: Ongoing Flow Description: Outfall fully submerged - screened upstream Submerged, indeterminate Notes: at 01-520 US1. Floating gross solids (litter) Submerged: Fully Depth (in): Illicit Discharge Potential: Potential Petrol. Sheen Suds Other Floatables: None Sewage Algae Odor: None Petroleum Musty Sewage Chlorine Sulfur Fragrant Turbidity: None o20181024110412.JPG Color: None Gross Solids: None Litter ☐ Veg. Debris ☐ Sediment ☐ Other 2018 Vegetation: None Inhibited Excessive Sampling Results Benthic Growth: None Green Brown Sample Location: Stains: Flow Line Oil None Rust Stains Sample ID: Paint Other Time Collected: Natural Sheen Natural Suds/Foam Non-illicit: None Total Chlorine (field): ppm Physical Condition Assessment Free Chlorine (field): ppm ppm Graffiti: None Ammonia (field): Erosion: pH (field): None units ۰F Deposition: None Depth (in): Temperature (field): Damage: None Conductivity (field): μS/cm ☐ Displacement ☐ Undercut Crushed Detergents: mg/L Cracks/Structural Damage Corrosion

01-520 City of Oshkosh

Inspection Date:	10/17/2017	' 3:18:17 PM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Po Submerged: Fully	<b>tential: P</b>	otential epth (in): 39	Inspector: JCW	Notes Outfall fully submerged - screened upstream at 01-520	
Sampling Results Sample Location: Total Chlorine:	ppm	Floatables: Odor: Turbidity:	None None None	US1. Floating gross solids (litter) in manhole.	
Free Chlorine: Ammonia: pH:	ppm ppm units	Color: Gross Solids:	None None	Condition Assessment ————————————————————————————————————	
Temperature Conductivity: Detergents:	° F μS/cm	Vegetation: Benthic Growth: Stains:	None None None	Erosion: None Deposition: None in. Damage: None	o20171017151448.JPG <b>2017</b>
Detergents.	mg/L	Non-illicit:	None	Damage. None	
Inspection Date:	10/18/2016	3:38:45 PM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Submerged: Fully	D	otential epth (in): 33	Inspector: JCW	Notes Outfall fully submerged - screened upstream at 01-520	
Sampling Results Sample Location: Total Chlorine:	ppm	Floatables: Odor: Turbidity:	None None None	US1.	
Free Chlorine: Ammonia:	ppm ppm	Color: Gross Solids:	None None	Condition Assessment	
pH: Temperature Conductivity:	units ° F μS/cm	Vegetation: Benthic Growth: Stains:	None Severe None	Graffiti: None Erosion: None Deposition: None in.	o20161018153652.JPG <b>2016</b>
Detergents:  Inspection Date:	9/22/2015	Non-illicit: 2:05:49 PM	None Type: Ongoing	Plow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Fully - Sampling Results	D	otential epth (in):	Inspector: JCW	Notes Outfall fully submerged and not located during this	Outall
Sample Location: Total Chlorine:	ppm	Floatables: Odor: Turbidity:	None None	screening - screened at 01- 520 US1.	Not
Free Chlorine: Ammonia: pH:	ppm ppm units	Color: Gross Solids:	None None	Condition Assessment Graffiti: None	Le Clarific III
Temperature Conductivity:	°F μS/cm	Vegetation: Benthic Growth: Stains:	None None	Erosion: None in.	o20150922130830.JPG <b>2015</b>
Detergents:	mg/L	Non-illicit:	None	Damage: None	
			_	Flance O. L. L. L. L.	
Inspection Date:	10/9/2014		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Fully	<b>tential: P</b>	otential epth (in): 56	Inspector: JCW	Notes Outfall fully submerged - screened upstream at 01-520	Previous Rainfall (hrs): 72+
Illicit Discharge Po	<b>tential: P</b>	otential epth (in): 56 Floatables: Odor:	Inspector: JCW  None  None	Notes Outfall fully submerged -	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Fully  Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia:	tential: P D ppm ppm ppm	otential epth (in): 56  Floatables: Odor: Turbidity: Color: Gross Solids:	Inspector: JCW	Notes Outfall fully submerged - screened upstream at 01-520 US1.  Condition Assessment	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Fully  Sampling Results  Sample Location:  Total Chlorine:  Free Chlorine:	tential: P D ppm ppm	otential epth (in): 56  Floatables: Odor: Turbidity: Color:	None None None None None	Notes Outfall fully submerged - screened upstream at 01-520 US1.	Previous Rainfall (hrs): 72+  020141009073704.JPG  2014

01-520 City of Oshkosh

Inspection Date:	9/5/2013 1	2:59:39 PM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Pot	ential: P	otential	Inspector: JCW	-Notes	
Submerged: Fully	D	epth (in): 49		Outfall fully submerged.	
⊢Sampling Results		1		Outfall screened upstream at	
, 0		Floatables:	None	01-520 US1. 2012 screening follow-up. Gross solids in	
Sample Location:		Odor:	None	upstream mh.	
Total Chlorine:	ppm	Turbidity:	None		
Free Chlorine:	ppm	Color:	None	Condition Assessment	Seal Control
Ammonia:	ppm	Gross Solids:	None		03/40/20030103
pH:	units	Vegetation:	None	Graffiti: None	20100005100000 IDO
Temperature	°F	Benthic Growth:	Moderate	Erosion: None	o20130905120336.JPG
Conductivity:	μS/cm	Stains:	None	Deposition: None in.	2013
Detergents:	mg/L	Non-illicit:	None	Damage: None	
nspection Date:	0/27/2012	9:53:44 AM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
•				THE REAL PROPERTY.	Frevious Kairilaii (IIIS). 72+
licit Discharge Pot		otential	Inspector: JCW	-Notes	
Submerged: Fully		epth (in): 40		Outfall fully submerged; screened upstream at 01-520	
-Sampling Results		Floatables:	None	US1.	
Sample Location:		Odor:	None		
Total Chlorine:	ppm	Turbidity:	None		
Free Chlorine:	ppm	Color:	None		
Ammonia:	ppm	Gross Solids:	None	Condition Assessment	
pH:	units	Vegetation:	None	Graffiti: None	Q1437/2013 08137
Temperature	° F	Benthic Growth:	None	Erosion: None	o20120927085734.JPG
Conductivity:	μS/cm	Stains:	None	Deposition: None in.	
Detergents:	mg/L	Non-illicit:	None	Damage: None	2012
nspection Date:	6/21/2012	10:35:10 AM	Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 0-24
licit Discharge Pot	ential: P	otential	Inspector: JCW	Notes —	THE RESERVE TO SERVE
ubmerged: Fully	D	epth (in):		Gross solids pre-screening.	Outfall
-Sampling Results		1		Outfall fully submerged; screened upsteam at 01-520	unun
Sample Location:			None	US1.	Not
Total Chlorine:		Odor:	None		
Free Chlorine:	ppm	Turbidity:	None		1 ocated
	ppm	Color:	None	Condition Assessment	
Ammonia:	ppm	Gross Solids:	None		08/21/5012:10520
pH:	units	Vegetation:	None	Graffiti: None	020120621002646 IBC
Temperature	°F		None	Erosion: None	o20120621092646.JPG
Conductivity:	μS/cm	Stains:	None	Deposition: None in.	2012
Detergents:	mg/L	Non-illicit:	None	Damage: None	
onestion Date:	40/44/2044	1 2:40:27 DM	Type: Ongoing	Flour Submarged indeterminate	Provious Poinfell (hrs): 721
nspection Date:		I 2:19:37 PM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
licit Discharge Pot		otential	Inspector: JCW	-Notes	
Submerged: Fully	D	epth (in):		2010 screening follow-up. Outfall fully submerged.	
-Sampling Results		Floatables:	None	Outfall rully submerged.  Outfall screened upstream at	Tele S
Sample Location:		Odor:	None	01-520 US1.	The state of the s
Total Chlorine:	ppm				199
Free Chlorine:		Turbidity:	None		1
Ammonia:	ppm	Color:	None	Condition Assessment	
pH:	ppm	Gross Solids:	None	Graffiti: None	100900301111120
Temperature	units	Vegetation:	None	Erosion: None	o20111011142004.JPG
	∘ <i>F</i>	Benthic Growth:	None	LIGGIOII. INOITE	0201110111172007.01 O
Conductivity:	μS/cm	Stains:	None	Deposition: None 0 in.	2011

Damage:

None

2011

-- μS/cm -- mg/L

Detergents:

Non-illicit:

None

01-520 City of Oshkosh

Inspection Date:	8/25/2010	12:43:21 PM	Туре:	Ongoing	Flow:	Submerged (not located)	Previous Rainfall (hrs): 72+
Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:	Potential: Potential Inspector: JCW  y Depth (in):  Its None		not ph screer US1.	fully submerged and ysically located. Outfall led upstream at 01-520 ition Assessment  None  None ition: None 0 in.	Outfall Not Located 020100825123724.JPG 2010		
Inspection Date:	9/9/2009		Type:	Initial	Flow:	Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Po		otential	Inspec	tor: JCW	-Notes		
Submerged: Fully - Sampling Results		epth (in): 56			not ph	fully submerged and ysically located. Outfall	Quttall
Sample Location:		Floatables:	None		Screer US1.	ed upstream at 01-520	Not
T		Odor:	None				

-Condition Assessment

None

None

None

None

0 in.

Osh09\_DSCN6715.JPG

2009

Graffiti:

Erosion:

Damage:

Deposition:

Total Chlorine:

Free Chlorine:

Ammonia:

Temperature

Conductivity:

Detergents:

рН:

-- ppm

-- *ppm* 

-- *ppm* 

-- units

-- °F

-- μS/cm

-- mg/L

Turbidity:

Gross Solids:

Benthic Growth:

Vegetation:

Color:

Stains:

Non-illicit:

None

None

None

None

None

None

None

01-520 US1 City of Oshkosh

# Structure Type:

Manhole

# **Discharge Location:**

Downstream Outfall

#### NR 216 Class:

Major Outfall - Alternate Location

# Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

# City ID:

01-520

# -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

☐ Not Physically Located



o20181024110526.JPG

# **Outfall Notes:**

Upstream manhole located approx 25 ft N of outfall 01-520. Intermediate area consists of rip-rap shoreline. (OSH-9424 US1 in early reports.)

**County Coordinates:** Latitude/Longitude:

Northing: 472,419 Latitude: 44.01547

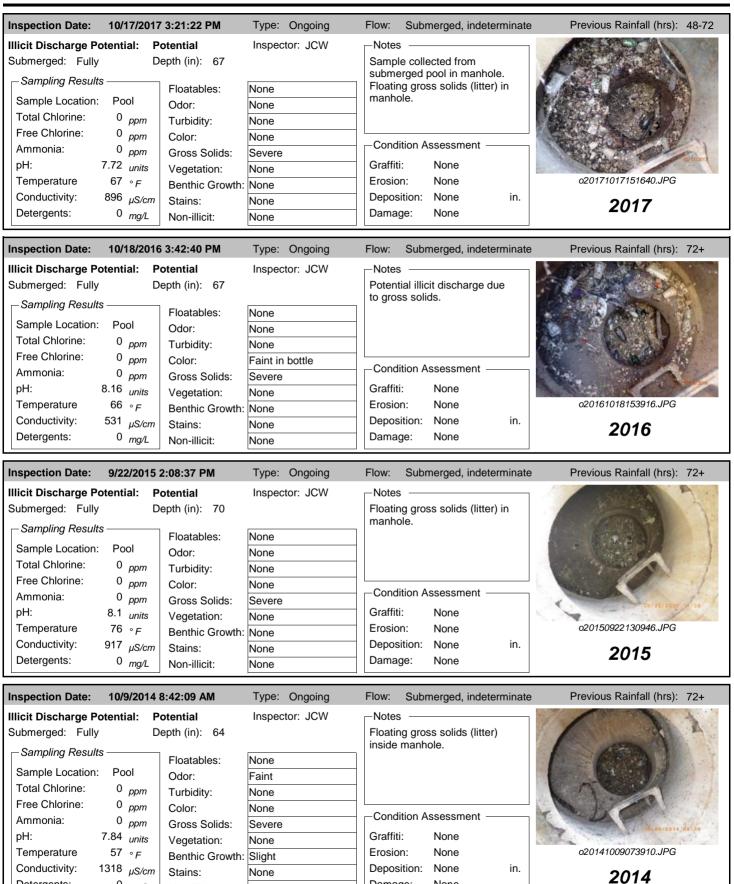
Easting: 791,742 Longitude: -88.54279

# 01-520 01-132 ts 09-54

**Location Map** 

Inspection	Date:	10/24/2018 11:07	: <b>34 AM</b> Ir	spector:	JCW	Inspection Type	e: Ongoing	Previous Rainfall (hrs):	72+	
Flow Descr Submerged:	-	n: Submerged, indertially Depth (i		Notes:		collected from sub e. Floating gross so e.	0 1	1	1	
Illicit Disch	arge	Potential: Potentia	ıl						275	
Floatables:	None	9	Petrol.	Sheen _	Suds	Sewage .	Algae			
Odor:	None	9	Petrole	eum Solvent	] Musty ] Fishy		Chlorine 🗌 Other Fragrant			
Turbidity:	None	<del></del>			,			A CONTRACTOR	10/24/2010	8
Color:	None	e						o20181024110	538.JPG	
Gross Solids	s: S	Severe	✓ Litter		Veg. Deb	ris Sediment	Other	201	8	
Vegetation:	I	None	Inhibite	ed 🔲 I	Excessive	е	Г	-Sampling Results ———		
Benthic Gro	wth: I	None	Green		Brown			Sample Location: Poo	I	
Stains:	I	None	Flow L		Oil	Rust Stains	i	•	024-34	
			Paint		Other			Time Collected: 11:0		
Non-illicit:	I	None	☐ Natura	l Sheen	☐ Natur	ral Suds/Foam		Total Chlorine (field):	0 ppm	
-Physical (	Cond	ition Assessment —						Free Chlorine (field):	0 ppm	
Graffiti:	ı	None						Ammonia (field):	0 ppm	
Erosion:	ı	None						pH (field):	8.02 <i>units</i>	
Depositio	n: l	None Depth (in)	•					Temperature (field):	49 ° <i>F</i>	
Damage:	ı	None Displa	ement 🗌 l	Jndercut	□ C	Crushed		Conductivity (field):	336 μS/cm	
		Corros	ion 🗌 (	Cracks/Str	uctural D	amage		Detergents:	0 mg/L	

01-520 US1 City of Oshkosh



Damage:

None

Detergents:

0 mg/L

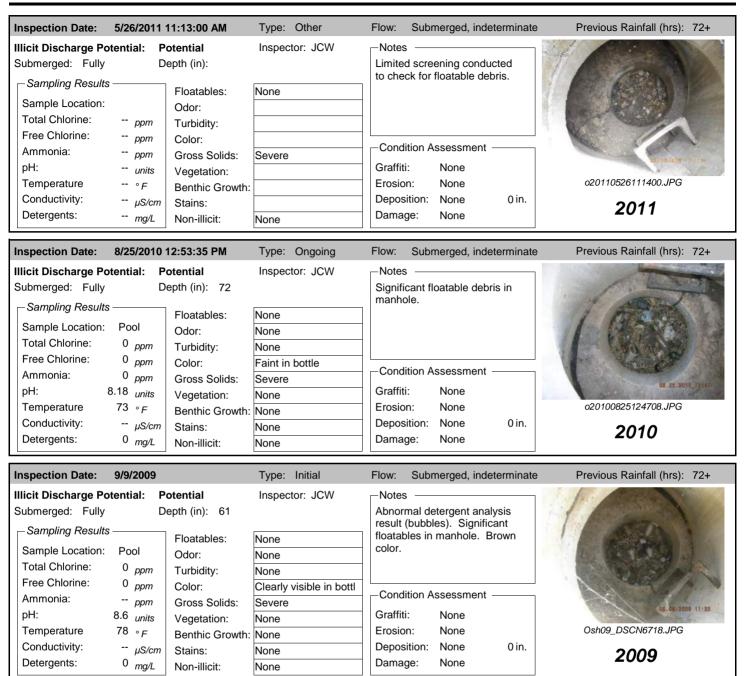
Non-illicit:

None

01-520 US1 City of Oshkosh

Inspection Date:	9/5/2013 1	:02:45 PM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Fully	С	Potential Depth (in): 69	Inspector: JCW	Notes  2012 screening follow-up.  Significant gross solids in	
Sampling Results	s ———	Floatables:	None	manhole - similar to previous	Ast
Sample Location:		Odor:	None	years.	
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None		
Free Chlorine:	0 <sub>ppm</sub>	Color:	None	Condition Assessment	
Ammonia:	0 <sub>ppm</sub>	Gross Solids:	Severe		P
	8.51 <sub>units</sub>	Vegetation:	None	Graffiti: None	o20130905120924.JPG
Temperature Conductivity:	76 ∘ <sub>F</sub> 424 <sub>μS/cm</sub>	Benthic Growth:		Erosion: None in.	020130903120924.JFG
Detergents:	0 <sub>mg/L</sub>	Stains: Non-illicit:	None None	Damage: None	2013
Inspection Date:	9/27/2012	9:57:25 AM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Po	otential: F	otential	Inspector: JCW	-Notes	
Submerged: Fully		Depth (in): 69		2011 gross solids follow-up.	0000
Sampling Results	s ———	7 <b></b>		_	160
Sample Location:		Floatables:	None		
Total Chlorine:	0 <sub>ppm</sub>	Odor:	None	<u> </u>	
Free Chlorine:	0 <sub>ppm</sub>	Turbidity: Color:	None None		
Ammonia:	0.5 <sub>ppm</sub>	Gross Solids:	Severe	Condition Assessment	Market State
pH:	7.77 <sub>units</sub>	Vegetation:	None	Graffiti: None	
Temperature	60 ∘ <sub>F</sub>	Benthic Growth:		Erosion: None	o20120927085918.JPG
Conductivity:	542 <sub>μS/cm</sub>		Slight	Deposition: None in.	2042
Detergents:	0 <sub>mg/L</sub>	Non-illicit:	None	Damage: None	2012
Inspection Date:	6/21/2012	10:34:01 AM	Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24
•		10:34:01 AM Potential	Type: Other Inspector: JCW	_Notes	Previous Rainfall (hrs): 0-24
Illicit Discharge Po	otential: F				Previous Rainfall (hrs): 0-24
Illicit Discharge Po	otential: F	Potential Depth (in): 70	Inspector: JCW	_Notes	Previous Rainfall (hrs): 0-24
Illicit Discharge Po Submerged: Fully Sampling Results	otential: F	Potential Depth (in): 70 Floatables:	Inspector: JCW	_Notes	Previous Rainfall (hrs): 0-24
Illicit Discharge Po Submerged: Fully	otential: F	Potential Depth (in): 70 Floatables: Odor:	Inspector: JCW  None  None	_Notes	Previous Rainfall (hrs): 0-24
Submerged: Fully Sampling Results Sample Location:	s ppm	Potential Depth (in): 70 Floatables:	None None None	Notes Gross solids pre-screening.	Previous Rainfall (hrs): 0-24
Sample Location: Total Chlorine:	otential: F	Potential Depth (in): 70 Floatables: Odor: Turbidity:	Inspector: JCW  None  None	_Notes	
Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH:	otential: F	Potential Depth (in): 70  Floatables: Odor: Turbidity: Color:	None None None None None	Notes Gross solids pre-screening.  Condition Assessment Graffiti: None	ID21/2012 18:24
Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature	otential: F  S  ppm  ppm ppm	Potential Depth (in): 70  Floatables: Odor: Turbidity: Color: Gross Solids:	None None None None Severe None	Notes Gross solids pre-screening.  Condition Assessment Graffiti: None Erosion: None	
Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity:	otential: F	Potential Depth (in): 70  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation:	None None None None Severe None	Ross solids pre-screening.  Condition Assessment Graffiti: None Erosion: None Deposition: None in.	o20120621092424.JPG
Bubmerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature	ppm ppm ppm ppm units ° F	Potential Depth (in): 70  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth:	None None None None Severe None None	Notes Gross solids pre-screening.  Condition Assessment Graffiti: None Erosion: None	W21/2812 10:24
Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:	ppm ppm ppm ppm units ° F μS/cm mg/L	Potential Depth (in): 70  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains:	None None None None None None None None	Ross solids pre-screening.  Condition Assessment Graffiti: None Erosion: None Deposition: None in.	o20120621092424.JPG
Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Illicit Discharge Po	ppm ppm ppm ppm νησησησησησησησησησησησησησησησησησησησ	Potential Depth (in): 70  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  1 2:24:37 PM  Potential	None None None None Severe None None None None None None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate  Notes	020120621092424.JPG 2012
Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:	ppm ppm ppm ppm νησησησησησησησησησησησησησησησησησησησ	Potential Depth (in): 70  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	None None None None Severe None None None Type: Ongoing	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate  Notes 2010 screening follow-up.	020120621092424.JPG 2012
Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Illicit Discharge Po	ppm ppm ppm units ° F μS/cm mg/L  10/11/201	Potential Depth (in): 70  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  1 2:24:37 PM  Potential Depth (in): 64	None None None None None None None None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate  Notes	020120621092424.JPG 2012
Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents: Illicit Discharge Po	ppm ppm ppm ppm units ° F μS/cm mg/L  10/11/201	Potential Depth (in): 70  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  1 2:24:37 PM  Potential Depth (in): 64  Floatables:	None None None None None None None None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate  Notes 2010 screening follow-up.	020120621092424.JPG 2012
Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Illicit Discharge Posubmerged: Fully Sampling Results	ppm ppm ppm ppm ν γ γ ν γ γ ν γ γ ν γ γ μS/cm mg/L  10/11/201:  totential: F  Pool	Potential Depth (in): 70  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  1 2:24:37 PM  Potential Depth (in): 64  Floatables: Odor:	None None None None None Severe None None Moderate None Type: Ongoing Inspector: JCW  None None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate  Notes 2010 screening follow-up.	020120621092424.JPG 2012
Bubmerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Ilicit Discharge Posubmerged: Fully Sampling Results Sample Location:	ppm ppm ppm ppm νησι νε μς/cm mg/L  10/11/201:  totential: F  Pool 0 ppm	Potential Depth (in): 70  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  1 2:24:37 PM  Potential Depth (in): 64  Floatables:	None None None None None None None None	Condition Assessment Graffiti: None Erosion: None Deposition: None Damage: None  Flow: Submerged, indeterminate  Notes 2010 screening follow-up. Floatable debris still present.	020120621092424.JPG 2012
Blicit Discharge Posubmerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Ilicit Discharge Posubmerged: Fully Sampling Results Sample Location: Total Chlorine:	ppm ppm ppm ppm ν γ γ ν γ γ ν γ γ ν γ γ μS/cm mg/L  10/11/201:  totential: F  Pool	Potential Depth (in): 70  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  1 2:24:37 PM  Potential Depth (in): 64  Floatables: Odor: Turbidity:	None None None None None None None None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate  Notes 2010 screening follow-up.	020120621092424.JPG 2012
Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Illicit Discharge Posubmerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH:	ppm ppm ppm ppm units ° F μS/cm mg/L  10/11/201:  otential: F  Pool 0 ppm 0 ppm 0 ppm 8.49 units	Potential Depth (in): 70  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  1 2:24:37 PM Potential Depth (in): 64  Floatables: Odor: Turbidity: Color:	None None None None None Severe None None Moderate None Type: Ongoing Inspector: JCW  None None None None None	Condition Assessment Graffiti: None Erosion: None Deposition: None Damage: None  Flow: Submerged, indeterminate  Notes 2010 screening follow-up. Floatable debris still present.	20120621092424.JPG 2012  Previous Rainfall (hrs): 72+
Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Posubmerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature	ppm ppm ppm ppm units ° F μS/cm mg/L  10/11/201  otential: F  Pool 0 ppm 0 ppm 0 ppm	Potential Depth (in): 70  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  1 2:24:37 PM  Potential Depth (in): 64  Floatables: Odor: Turbidity: Color: Gross Solids:	None None None None None None None None	Condition Assessment Graffiti: None Erosion: None Deposition: None Damage: None  Flow: Submerged, indeterminate  Notes 2010 screening follow-up. Floatable debris still present.  Condition Assessment Graffiti: None Erosion: None	020120621092424.JPG 2012
Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Po Submerged: Fully Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH:	ppm ppm ppm ppm units ° F μS/cm mg/L  10/11/201:  otential: F  Pool 0 ppm 0 ppm 0 ppm 8.49 units	Potential Depth (in): 70  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  1 2:24:37 PM Potential Depth (in): 64  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation:	None None None None None None None None	Condition Assessment Graffiti: None Erosion: None Deposition: None Damage: None  Flow: Submerged, indeterminate  Notes 2010 screening follow-up. Floatable debris still present.  Condition Assessment Graffiti: None	020120621092424.JPG 2012  Previous Rainfall (hrs): 72+

01-520 US1 City of Oshkosh



02-309 City of Oshkosh

Non-Priority Non-Major Outfall

# Structure Type:

Closed Pipe Outfall

# Discharge Location:

Water of the State

#### NR 216 Class:

Minor Outfall

# Shape:

Pipe - Arch

#### Material:

CMP

# City ID:

N/A

# -Dimensions

Diameter (in):

Height/Depth (in): 24

Width (in): 35

# **Mapping Precison:**

Desktop mapping estimate

✓ Not Physically Located

o20181022102316.JPG

# **Outfall Notes:**

Waugoo Ave storm sewer discharges to lake from west. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:Latitude/Longitude:Northing:471,714Latitude:44.01354Easting:798,728Longitude:-88.51624

# **Location Map**



Inspection D	Date: 10/22	/2018 10:23:45 AM Ir	spector: J	ICW Inspec	ction Type: On	ngoing	Previous Rainfall (hrs):	48-72	
Submerged:	•	Depth (in):    Potential	s	Outfall fully subm screened upstrea gross solids (litter	m at 02-309 US		Outf	all	
Turbidity:	None None None	Petrol.  Petrole  VOC/S	eum 🔲 M	Suds Sewa Musty Sewa Fishy Sulfu	age		0201810221023	ted 288.JPG	o ta
Gross Solids: Vegetation: Benthic Grow Stains:	: None None	Litter Inhibite Green Flow L Paint	ed Exc	cessive	ediment		Sampling Results  Sample Location: Sample ID:	8	
Non-illicit:  —Physical C Graffiti: Erosion: Deposition Damage:	None Condition Asse None None n: None None	Depth (in):	Jndercut Cracks/Struc	Natural Suds/F  Crushed tural Damage	oam		Time Collected: Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field): Detergents:	ppm ppm ppm units ° F μS/cm mg/L	7

02-309 City of Oshkosh



Deposition:

Damage:

None

None

0 in.

2011

Conductivity:

Detergents:

μS/cm

-- mg/L

Stains:

Non-illicit:

None

None

02-309 City of Oshkosh

Inspection Date: 5/10/2011	8:25:00 AM	Type: Other	Flow:	Submerged (not local	red) Previous Rainfall (hrs): 0-24
	rotential repth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	Inspector: JCW	not phy screen US1.	fully submerged and visically located. Outfally located. Outfalled upstream at 02-309 tion Assessment	

02-309 US1 City of Oshkosh

# Structure Type:

Manhole

# **Discharge Location:**

Downstream Outfall

#### NR 216 Class:

Minor Outfall - Alternate Location

# Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

# City ID:

02-309

# -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181022102400.JPG

# **Outfall Notes:**

Upstream manhole located approx 53 ft WNW of outfall 02-309. Intermediate area consists of open space.

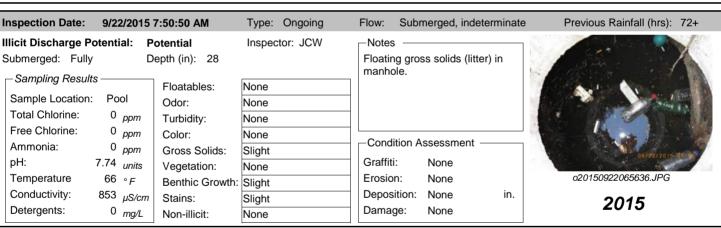
**County Coordinates:** Latitude/Longitude: Northing: Latitude:

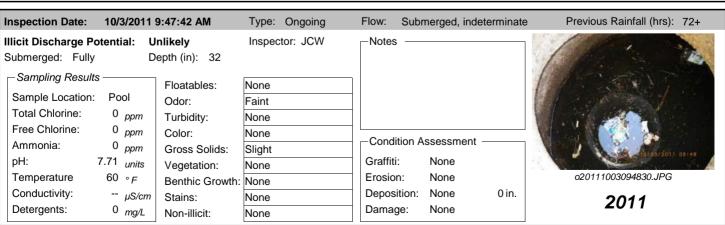
471,734 44.01360 Easting: 798,678 Longitude: -88.51643



Inspection	Date: 10/22/2018 10:26	:35 AM Inspector: JCW	Inspection Type: Ongoing	Previous Rainfall (hrs): 48-72
Flow Descr	iption: Submerged, ind		ollected from submerged pool in Floating gross solids (litter) in	2 3
Submerged:	Fully Depth (i	n): 34 manhole.	ribating gloss solids (litter) in	
Illicit Disch	arge Potential: Potenti	al		500
Floatables:	None None	Petrol. Sheen Suds	Sewage Algae Other	
Odor.	IVOIC	☐ VOC/Solvent ☐ Fishy	Sulfur Fragrant	
Turbidity:	None			
Color:	None			o20181022102412.JPG
Gross Solids	s: Moderate	✓ Litter ✓ Veg. Debris	Sediment Other	2018
Vegetation:	None	☐ Inhibited ☐ Excessive	Г	Sampling Results —
Benthic Gro	wth: Slight	✓ Green ☐ Brown		Sample Location: Pool
Stains:	None	Flow Line Oil	Rust Stains	Sample ID: 181022-29
		Paint Other		Time Collected: 10:24
Non-illicit:	None	☐ Natural Sheen ☐ Natural	Suds/Foam	Total Chlorine (field): 0 ppm
-Physical (	Condition Assessment —			Free Chlorine (field): 0 ppm
Graffiti:	None			Ammonia (field): 0 ppm
Erosion:	None			pH (field): 7.46 units
Depositio	n: None Depth (in)	:		Temperature (field): 58 ° F
Damage:	None Displa	cement Undercut Cru	shed	Conductivity (field): 498 μS/cm
	Corros	ion Cracks/Structural Dam	nage	Detergents: 0 mg/L







02-309 US1 City of Oshkosh

Inspection Date:	5/10/2011 8	8:27:00 AM	Type: Other	Flow:	Submerged, ind	eterminate	Previous Rainfall (hrs): 0-24
Illicit Discharge Po Submerged: Fully	D	otential epth (in):	Inspector: JCW	for up	d screening condu stream manhole	ucted	A AL
Sample Location: Total Chlorine:	ppm	Floatables: Odor: Turbidity:	None	presci	reening.		
Free Chlorine: Ammonia: pH:	ppm ppm units	Color: Gross Solids: Vegetation:	Slight	Cond			08/10/10/10 PE
Temperature Conductivity: Detergents:	° F μS/cm mg/L	Benthic Growth: Stains: Non-illicit:	None	Erosio Depos Dama	sition: None	0 in.	o20110510082708.JPG <b>2011</b>

02-357 City of Oshkosh

Priority Outfall

# Structure Type:

Closed Pipe Outfall

# **Discharge Location:**

Water of the State

#### NR 216 Class:

Minor Outfall

# Shape:

Pipe - Arch

#### Material:

CMP

# City ID:

N/A

# -Dimensions

Diameter (in):

Height/Depth (in): 24

Width (in): 35

# **Mapping Precison:**

Desktop mapping estimate

✓ Not Physically Located



o20181022101150.JPG

# **Outfall Notes:**

Storm sewer from Winnebago Ave discharges to lake from northwest. Outfall not located - pipe info from MS4 map.

**County Coordinates:** Latitude/Longitude:
Northing: 472,832 Latitude: 44.01661

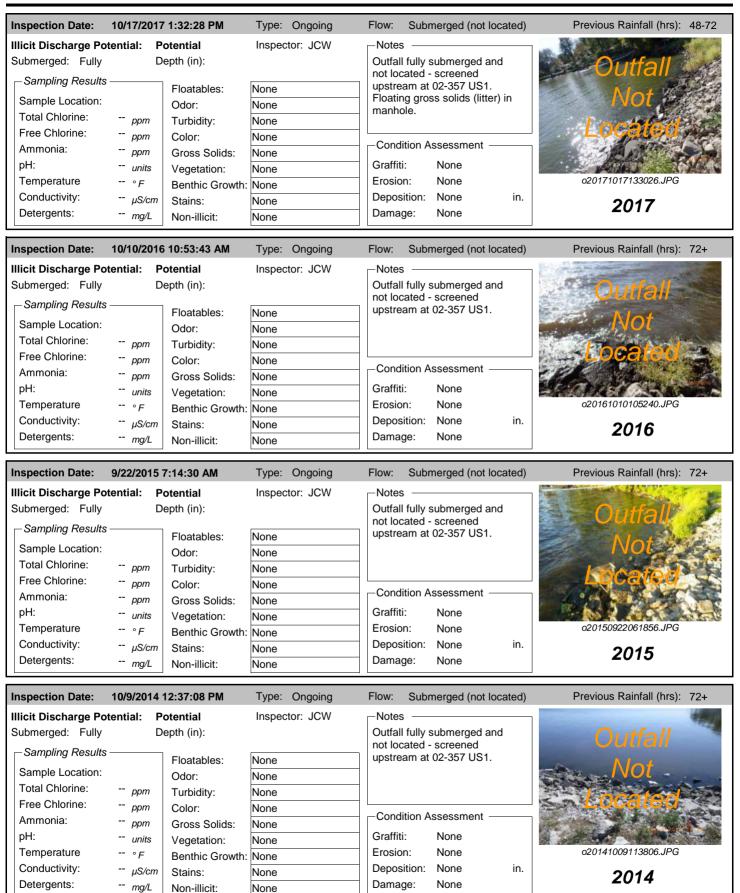
Easting: 798,869 Longitude: -88.51570

# **Location Map**

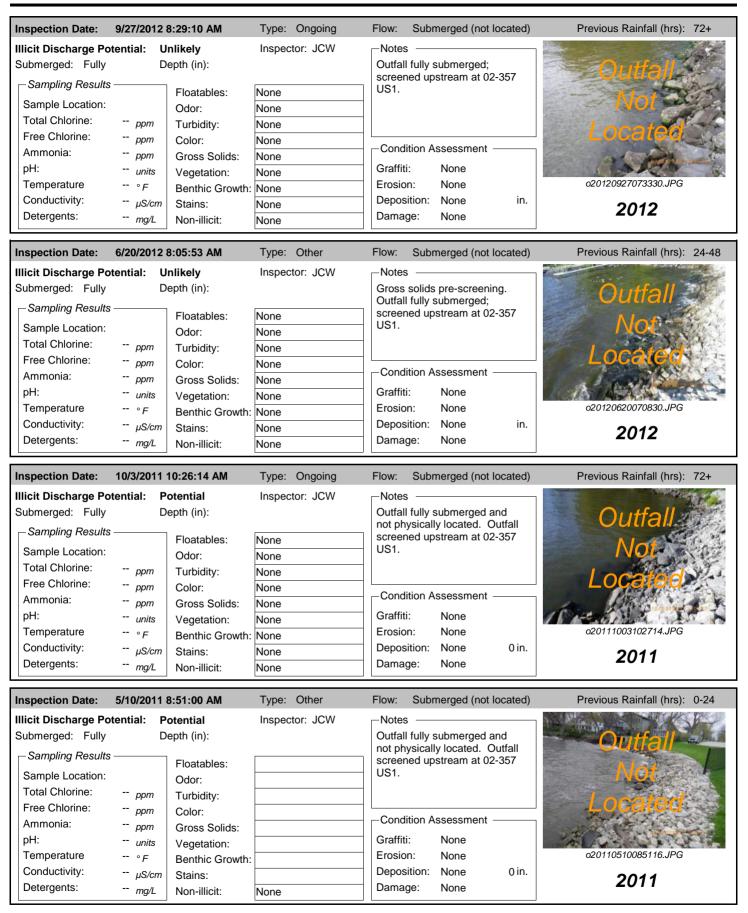


Inspection Date:	10/22/2018 10:13:	07 AM Inspector:	JCW Inspe	ection Type: O	ngoing	Previous Rainfall (hrs):	48-72
Flow Description Submerged: Ful Illicit Discharge		):	Outfall fully sub- screened upstre gross solids (litt	eam at 02-357 U		Out	3//
Floatables: None Odor: None Turbidity: None Color: None	e	Petrol. Sheen Petroleum VOC/Solvent		wage	ine  Other	Loca 201810221011:	58.JPG
Vegetation:	None None	Litter   Inhibited	Excessive	Sediment 🗌 C	OtherS	<b>2018</b> Sampling Results————	3
Benthic Growth: I	None	Green Flow Line Paint	Brown   Oil	Rust Stains	;	Sample Location: Sample ID: Time Collected:	
Physical Condi	None  lition Assessment  None  None  None  Depth (in):  None  Displace  Corrosic	_	Natural Suds/	/Foam	- ! !	Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field): Detergents:	ppm ppm ppm units ° F μS/cm mg/L

02-357 City of Oshkosh



02-357 City of Oshkosh



02-357 US1 City of Oshkosh

# **Location Map**

# Structure Type: Manhole **Discharge Location:** Downstream Outfall NR 216 Class: Minor Outfall - Alternate Location Shape: Manhole/Catchbasin Material: Manhole - concrete City ID: 02-357 -Dimensions Diameter (in): Height/Depth (in): Width (in): **Mapping Precison:**

Mapping GPS

■ Not Physically Located



# **Outfall Notes:**

Upstream manhole located approx 34 ft NW of outfall 02-357. Intermediate area consists of open space.

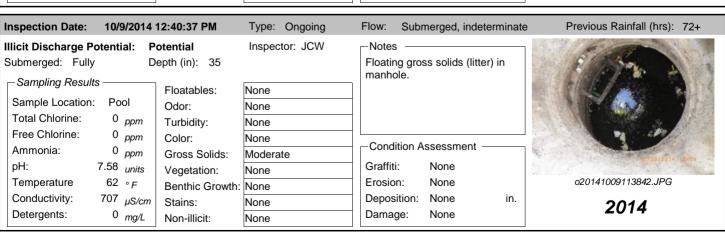
County Coordinates:Latitude/Longitude:Northing:472,861Latitude:44.01669Easting:798,850Longitude:-88.51577



Inspection	Date:	10/22/2018 10:15:	<b>43 AM</b> Ir	spector:	JCW	Inspection Type	: Ongoing	Previous Rainfall (hrs):	48-7	'2
Flow Descr Submerged:	· : Fully	Depth (in		Notes:		collected from sub- e. Floating gross so e.	0 1	Ma		
Illicit Disch	arge P	otential: Potentia	l							
Floatables:	None		Petrol.	Sheen [	Suds	Sewage A	lgae			
Odor:	None		Petrole	_	Musty		Chlorine  Other			
Turbidity:	None		U VOC/S	olvent	Fishy	Sulfur F	ragrant			10/22/0010
Color:	None							o20181022101	258.JP	PG
Gross Solids	s: SI	ight	✓ Litter	•	Veg. Deb	ris Sediment [	Other	201	8	
Vegetation:	N	one	Inhibite	ed 🗌	Excessive	e		Sampling Results ———		
Benthic Gro	wth: N	one	Green		Brown			Sample Location: Poo	ı	
Stains:	N	one	☐ Flow L		Oil	Rust Stains		•	022-58	3
			Paint		Other			Time Collected: 10:1	4	
Non-illicit:	N	one	Natura	l Sheen	Natur	al Suds/Foam		Total Chlorine (field):	0	ppm
-Physical (	Conditi	on Assessment —						Free Chlorine (field):	0	ppm
Graffiti:	N	one						Ammonia (field):	0	ppm
Erosion:	N	one						pH (field):	7.17	units
Depositio	n: N	one Depth (in):						Temperature (field):	60	°F
Damage:	N	one Displac	ement 🔲 l	Indercut		Crushed		Conductivity (field):	506	μS/cm
		Corrosi	on 🗌 C	Cracks/Str	ructural D	amage		Detergents:	0	mg/L

nspection Date: 10/17	//2017 1:35:20 PM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Ilicit Discharge Potentia	I: Potential	Inspector: JCW	-Notes	
Submerged: Fully  — Sampling Results ———	Depth (in): 39		Sample collected from submerged pool in manhole.	
Sample Location: Pool	Floatables:	None	Floating gross solids (litter) in manhole.	
•	Odol.	None	_	
P		None		
,	l l	None	Condition Assessment	of the second
	Gross Solids:	Moderate	Graffiti: None	10/17/2017
pH: $7.57_{u}$ Temperature $67_{v}$	3	None	Erosion: None	o20171017133104.JPG
remperature 67 °	Bontano Crowan.	None	E1051011. INOTIE	020171017133104.JFG
Conductivity: 527			Deposition: None in	
Conductivity: 537 $\mu$		None	Deposition: None in.	2017
Detergents: 0 n			Deposition: None in. Damage: None  Flow: Submerged, indeterminate	2017  Previous Rainfall (hrs): 72+
Detergents: 0 n	Non-illicit: 0/2016 10:57:04 AM	None None	Potential illicit discharge due	
nspection Date: 10/10	Non-illicit:  //2016 10:57:04 AM  I: Potential Depth (in): 37	None None Type: Ongoing Inspector: JCW	Plow: Submerged, indeterminate  Notes	
nspection Date: 10/10 Illicit Discharge Potentia Submerged: Fully	Non-illicit:  //2016 10:57:04 AM  I: Potential     Depth (in): 37  Floatables:	None  Type: Ongoing Inspector: JCW	Potential illicit discharge due	
nspection Date: 10/10 Illicit Discharge Potential Submerged: Fully - Sampling Results Sample Location: Pool	Non-illicit:  Non-illicit:  Non-illicit:  Potential Depth (in): 37  Floatables: Odor:	None None Type: Ongoing Inspector: JCW None None	Potential illicit discharge due	
nspection Date: 10/10 Illicit Discharge Potential Submerged: Fully - Sampling Results Sample Location: Pool Total Chlorine: 0 p	Non-illicit:  Non-illicit:  Non-illicit:  Non-illicit:  Non-illicit:	None Type: Ongoing Inspector: JCW  None None None	Flow: Submerged, indeterminate  Notes  Potential illicit discharge due to gross solids.	
nspection Date: 10/10 Illicit Discharge Potential Submerged: Fully  Sampling Results  Sample Location: Pool Total Chlorine: 0 p	Non-illicit:  Non-illicit:  Non-illicit:  Non-illicit:  Non-illicit:  Non-illicit:	None Type: Ongoing Inspector: JCW  None None None None	Potential illicit discharge due	
nspection Date: 10/10 Illicit Discharge Potential Submerged: Fully  Sampling Results  Sample Location: Pool Total Chlorine: 0 p Free Chlorine: 0 p Ammonia: 0 p	Non-illicit:  D/2016 10:57:04 AM  I: Potential Depth (in): 37  Floatables: Odor: Turbidity: Color: ppm Gross Solids:	None None Type: Ongoing Inspector: JCW  None None None None Moderate	Flow: Submerged, indeterminate  Notes  Potential illicit discharge due to gross solids.	
nspection Date: 10/10 Illicit Discharge Potential Submerged: Fully  Sampling Results  Sample Location: Pool Total Chlorine: 0 p Free Chlorine: 0 p Ammonia: 0 p	Non-illicit:  Non-illicit:  Non-illicit:  Non-illicit:  Non-illicit:  Non-illicit:  Non-illicit:	None None Type: Ongoing Inspector: JCW  None None None None Moderate None	Flow: Submerged, indeterminate  Notes Potential illicit discharge due to gross solids.  Condition Assessment	
nspection Date: 10/10 Illicit Discharge Potential Submerged: Fully  Sampling Results  Sample Location: Pool Total Chlorine: 0 p Free Chlorine: 0 p Ammonia: 0 p pH: 7.54 u	Non-illicit:  D/2016 10:57:04 AM  I: Potential Depth (in): 37  Floatables: Odor: Turbidity: Color: ppm Gross Solids: Vegetation: F Benthic Growth:	None None Type: Ongoing Inspector: JCW  None None None None Moderate None	Potential illicit discharge due to gross solids.  Condition Assessment Graffiti: None	Previous Rainfall (hrs): 72+

Inspection Date:	9/22/2015	7:15:12 AM	Type: Ongoing	Flow:	Subr	nerged, inde	terminate	e Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Fully	D	otential epth (in): 39	Inspector: JCW	-Note Floati manh	ng gro	ss solids (litte	er) in	
Sampling Result. Sample Location: Total Chlorine: Free Chlorine:	Pool 0 <sub>ppm</sub> 0 <sub>ppm</sub>	Odor:	None None None	Conc	lition A	.ssessment -		
Temperature	0 <sub>ppm</sub> 7.84 <sub>units</sub> 65 ∘ F 459 <sub>µS/cm</sub> 0 <sub>mg/L</sub>	Vegetation: Benthic Growth: Stains:	Moderate None None None None	Graffi Erosio Depos	ti: on: sition:	None None None None	in.	o20150922061944.JPG <b>2015</b>



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					<u> </u>
Inspection Date:	9/27/2012	8:31:15 AM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge P	otential: U	nlikely	Inspector: JCW	_Notes	
Submerged: Fully	D	epth (in): 36		2011 gross solids follow-up.	
-Sampling Result	s ———	Flootoblood	None	¬	
Sample Location:	Pool	Floatables: Odor:	None None	-	
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None	- 8	
Free Chlorine:	0 <sub>ppm</sub>	Color:	None		
Ammonia:	0 <sub>ppm</sub>	Gross Solids:	Slight	Condition Assessment	
pH:	7.73 <sub>units</sub>	Vegetation:	None	Graffiti: None	
Temperature	60 ∘ <i>F</i>	Benthic Growth:		Erosion: None	o20120927073352.JPG
Conductivity:	518 <sub>μS/cm</sub>	Stains:	None	Deposition: None in.	2012
Detergents:	0 <sub>mg/L</sub>	Non-illicit:	None	Damage: None	2012
Inspection Date:	6/20/2012	8:08:37 AM	Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 24-48
Illicit Discharge P		nlikely	Inspector: JCW	_Notes	
Submerged: Fully		epth (in): 43	.,	Gross solids pre-screening.	1
		, -			
		Floatables:	None	_	
Sample Location: Total Chlorine:		Odor:	None	_	
Free Chlorine:	ppm	Turbidity:	None	_	
Ammonia:	ppm	Color:	None	Condition Assessment	
pH:	ppm units	Gross Solids:	Moderate	Graffiti: None	200
Temperature	°F	Vegetation:	None	Erosion: None	o20120620070908.JPG
Conductivity:	μS/cm	Benthic Growth: Stains:	None	Deposition: None in.	0010
Detergents:	mg/L	Non-illicit:	None	Damage: None	2012
		14011 IIIIOIC.	140110		
Inspection Date:	10/3/2011	10:30:08 AM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Po	otential: P	otential	Inspector: JCW	_Notes	
Submerged: Fully	D	epth (in): 39		Significant floatable debris in	
	s			manhole.	
Sample Location:		Floatables:	None	_	
Total Chlorine:	0 <sub>ppm</sub>	Odor:	None	_	
Free Chlorine:	0 <sub>ppm</sub>	Turbidity:	None		
Ammonia:	0 <sub>ррт</sub>	Color: Gross Solids:	None Severe	Condition Assessment —	
pH:	7.1 <sub>units</sub>	Vegetation:	None	Graffiti: None	
Temperature	61 ∘ <sub>F</sub>	Benthic Growth:		Erosion: None	o20111003103104.JPG
Conductivity:	μS/cm	Stains:	None	Deposition: None 0 in.	2044
Detergents:	0 mg/L	Non-illicit:	None	Damage: None	2011
Inspection Date:	5/10/2011	8:51:00 AM	Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24
Illicit Discharge P		otential	Inspector: JCW	-Notes	1 1001040 IXaiiiiaii (1115). U-24
Submerged: Fully		epth (in):	mopodon. COVV	Limited screening conducted	
,		-L //.		for upstream manhole	
Sampling Result		Floatables:	None	prescreening.	
Sample Location:		Odor:		_	
Total Chlorine:	ppm	Turbidity:		_	
Free Chlorine:	ppm	Color:		Condition Assessment	
Ammonia:	ppm	Gross Solids:	Severe		The Manual County
pH:	units	Vegetation:		Graffiti: None Erosion: None	o20110510085154.JPG
	∘ <i>F</i>	Benthic Growth:	1	LICOUTI. INCHE	020110310003134.JFG
Temperature	•				
Conductivity: Detergents:	μS/cm mg/L	Stains: Non-illicit:	None	Deposition: None 0 in. Damage: None	2011

03-22 City of Oshkosh

Priority Outfall

# Structure Type:

Closed Pipe Outfall

# **Discharge Location:**

Water of the State

#### NR 216 Class:

Major Outfall

# Shape:

Pipe - Elliptical

# Material:

CMP

# City ID: N/A

# -Dimensions

Diameter (in):

Height/Depth (in): 36

Width (in):

# **Mapping Precison:**

Desktop mapping estimate

✓ Not Physically Located



o20181022155218.JPG

# **Outfall Notes:**

Storm sewer from Nebraska St discharges to river from south. Outfall not located - pipe info from MS4 map.

**County Coordinates:** Latitude/Longitude: Northing: 471,751 Latitude: 44.01364 Easting: 792,375 Longitude: -88.54039

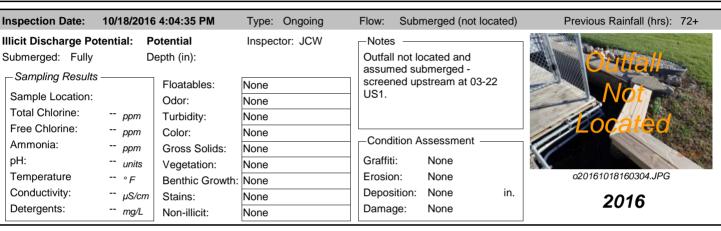
# **Location Map**

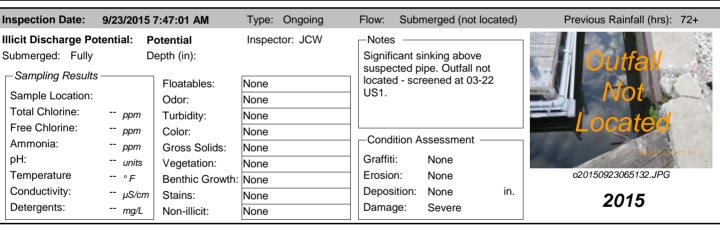


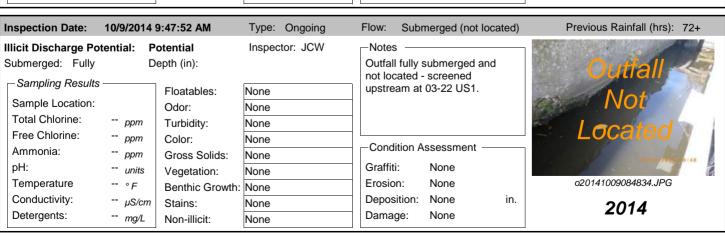
Inspection	Date:	10/22/2018 3:53:5	<b>6 PM</b> In	spector:	JCW II	nspection Type:	Ongoing	Previous Rainfall (hrs):	48-72
Flow Descr Submerged:	•	Submerged (not I Depth (in	•	Notes:	screened up	submerged and ostream at 03-22 (litter) in manho	US1. Floating	Deg	
Illicit Disch	arge Po	otential: Potentia							
Floatables:	None		Petrol.	Sheen _	Suds	Sewage Ale	gae		
Odor:	None		Petrole	_	Musty	J	nlorine  Other	Loca	(C)
Turbidity:	None		□ VOC/S	olvent	Fishy	Sulfur Fr	agrant		
Color:	None							o201810221552	22.JPG
Gross Solids	s: No	ne	Litter		Veg. Debris [	Sediment	Other	2018	8
Vegetation:	No	ne	Inhibite	ed 🔲 l	Excessive		_	Sampling Results ———	
Benthic Gro	wth: No	ne	Green		Brown			Sample Location:	
Stains:	No	ne	Flow Li		Oil [	Rust Stains		Sample ID:	
			Paint		Other			Time Collected:	
Non-illicit:	No	ne	Natura	Sheen	Natural S	uds/Foam		Total Chlorine (field):	ppm
-Physical (	Conditio	on Assessment —						Free Chlorine (field):	ppm
Graffiti:	No	one						Ammonia (field):	ppm
Erosion:	No	ne						pH (field):	units
Depositio	n: No	one Depth (in):						Temperature (field):	° F
Damage:	No	ne Displace	ement 🗌 L	Indercut	Crush	ned		Conductivity (field):	μS/cm
		Corrosio	on 🗌 C	Cracks/Str	uctural Dama	ge		Detergents:	mg/L

03-22 City of Oshkosh

Inspection Date:	10/18/2017	3:22:08 PM	Type:	Ongoing	Flow:	Subr	merged (not lo	cated)	Previous Rainfall (hrs): 72+
Illicit Discharge Po	tential: P	otential	Inspec	ctor: JCW	-Notes	s —			
Submerged: Fully	D	epth (in):					submerged and	d	OTHER
Sampling Results	:	Floatables:	None		upstre	am at	screened 03-22 US1.		Outrair
Sample Location:		Odor:	None		Floatir manho	~ ~	ss solids (litter)	) in	Not
Total Chlorine:	ppm	Turbidity:	None		Illaliik	JIE.			Located
Free Chlorine:	ppm	Color:	None		╗┖═				Located
Ammonia:	ppm	Gross Solids:	None	-	Cond	ition A	ssessment —		
pH:	units	Vegetation:	None	-	Graffit	i:	None		or the state of th
Temperature	∘ <i>F</i>	Benthic Growth:	None		Erosio	n:	None		o20171018151946.JPG
Conductivity:	μS/cm	Stains:	None		Depos	ition:	None	in.	2017
Detergents:	mg/L	Non-illicit:	None		Dama	ge:	None		2017







03-22 City of Oshkosh

Inspection Date:	7/31/2013	12:40:04 PM	Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Po	tential: P	otential	Inspector: JCW	-Notes -	
Submerged: Fully		epth (in):	.,	2012 screening follow-up. Outfall not located. Outfall	Outfall
Sampling Results	·	Floatables:	None	screened upstream at 03-22	
Sample Location:		Odor:	None	US1. Gross solids in upstream	Not
Total Chlorine:	ppm	Turbidity:	None	mh.	
Free Chlorine:	ppm	Color:	None		Located
Ammonia:	ppm	Gross Solids:	None	Condition Assessment —	
pH:	units	Vegetation:	None	Graffiti: None	07/31/2013
Temperature	∘ <i>F</i>	Benthic Growth:		Erosion: None	o20130731114434.JPG
Conductivity:	μS/cm	Stains:	None	Deposition: None in.	2042
Detergents:	mg/L	Non-illicit:	None	Damage: None	2013
Inspection Date:	9/27/2012	9:26:54 AM	Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Po		otential	Inspector: JCW	-Notes	
Submerged: Fully	D	epth (in):		Outfall fully submerged;	Qutfall
Sampling Results		Floatables:	None	screened upstream at 03-22 US1.	The state of the s
Sample Location:			None	-    <sup>55</sup> ···	V <mark>Nôt - *- *</mark>
Total Chlorine:	ppm	Odor: Turbidity:	None	-	
Free Chlorine:	ppm	Color:	None	_	Located
Ammonia:	ppm	Gross Solids:		Condition Assessment	
pH:	units		None None	Graffiti: None	0 / 27 / 2012 08 - 21
Temperature	°F	Vegetation: Benthic Growth:		Erosion: None	o20120927082846.JPG
Conductivity:	μS/cm		None	Deposition: None in.	
Detergents:	mg/L	Stains: Non-illicit:	None	Damage: None	2012
,	mg/L 6/20/2012 tential: P				Previous Rainfall (hrs): 24-48
Inspection Date:	6/20/2012 tential: P	Non-illicit: 9:22:09 AM otential epth (in):	None  Type: Other Inspector: JCW	Plow: Submerged (not located)  Notes	-
Inspection Date: Illicit Discharge Po Submerged: Fully	6/20/2012 tential: P	Non-illicit:  9:22:09 AM  otential  epth (in):  Floatables:	Type: Other Inspector: JCW	Plow: Submerged (not located)  Notes	-
Inspection Date: Illicit Discharge Po Submerged: Fully  Sampling Results	6/20/2012 tential: P	Non-illicit:  9:22:09 AM  otential epth (in):  Floatables: Odor:	None Type: Other Inspector: JCW None None	Plow: Submerged (not located)  Notes	-
Inspection Date: Illicit Discharge Po Submerged: Fully Sampling Results Sample Location:	6/20/2012 tential: P	Non-illicit:  9:22:09 AM  otential epth (in):  Floatables: Odor: Turbidity:	None Type: Other Inspector: JCW  None None None	Flow: Submerged (not located)  Notes  Gross solids pre-screening.	-
Inspection Date: Illicit Discharge Po Submerged: Fully Sampling Results Sample Location: Total Chlorine:	6/20/2012 tential: P D ppm ppm	9:22:09 AM otential epth (in): Floatables: Odor: Turbidity: Color:	None Type: Other Inspector: JCW  None None None None	Plow: Submerged (not located)  Notes	-
Inspection Date: Illicit Discharge Po Submerged: Fully  Sampling Results Sample Location: Total Chlorine: Free Chlorine:	6/20/2012 tential: P	Non-illicit:  9:22:09 AM  otential epth (in):  Floatables: Odor: Turbidity:	None Type: Other Inspector: JCW  None None None	Flow: Submerged (not located)  Notes  Gross solids pre-screening.	-
Inspection Date: Illicit Discharge Po Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia:	mg/L  6/20/2012  tential: P  ppm ppm ppm	Non-illicit:  9:22:09 AM  otential epth (in):  Floatables: Odor: Turbidity: Color: Gross Solids:	None Type: Other Inspector: JCW  None None None None None None None	Plow: Submerged (not located)  Notes  Gross solids pre-screening.  Condition Assessment	-
Inspection Date: Illicit Discharge Po Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH:	mg/L 6/20/2012 tential: P D ppm ppm ppm ppm units	Non-illicit:  9:22:09 AM  otential epth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation:	None Type: Other Inspector: JCW  None None None None None None None	Plow: Submerged (not located)  Notes  Gross solids pre-screening.  Condition Assessment  Graffiti: None	Previous Rainfall (hrs): 24-48
Inspection Date:  Illicit Discharge Po Submerged: Fully  Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature	mg/L 6/20/2012 tential: P D ppm ppm ppm ppm units ° F	Non-illicit:  9:22:09 AM  otential epth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth:	None Type: Other Inspector: JCW  None None None None None None None Non	Plow: Submerged (not located)  Notes  Gross solids pre-screening.  Condition Assessment  Graffiti: None Erosion: None	Previous Rainfall (hrs): 24-48
Inspection Date: Illicit Discharge Po Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:	mg/L  6/20/2012  tential: P  ppm ppm ppm units ° F μS/cm mg/L	Non-illicit:  9:22:09 AM  otential epth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	None Type: Other Inspector: JCW  None None None None None None None Non	Plow: Submerged (not located)  Notes  Gross solids pre-screening.  Condition Assessment  Graffiti: None Erosion: None Deposition: None Damage: None	Previous Rainfall (hrs): 24-48  020120620082248.JPG  2012
Inspection Date:  Illicit Discharge Po Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date:	mg/L  6/20/2012  tential: P D  ppm ppm ppm units ° F μS/cm mg/L	Non-illicit:  9:22:09 AM  otential epth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	None Type: Other Inspector: JCW  None None None None None None None Non	Plow: Submerged (not located)  Notes  Gross solids pre-screening.  Condition Assessment  Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged (not located)	Previous Rainfall (hrs): 24-48
Inspection Date:  Illicit Discharge Po Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Po	mg/L  6/20/2012  tential: P  ppm ppm ppm units ° F µS/cm mg/L  10/11/2011	Non-illicit:  9:22:09 AM  otential epth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  9:03:10 AM otential	None Type: Other Inspector: JCW  None None None None None None None Non	Plow: Submerged (not located)  Notes  Gross solids pre-screening.  Condition Assessment  Graffiti: None Erosion: None Deposition: None Damage: None  Flow: Submerged (not located)  Notes	Previous Rainfall (hrs): 24-48  020120620082248.JPG  2012
Inspection Date: Illicit Discharge Po Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Po Submerged: Fully	mg/L  6/20/2012 tential: P  ppm ppm ppm units ° F μS/cm mg/L  10/11/2011 tential: P	Non-illicit:  9:22:09 AM  otential epth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	None Type: Other Inspector: JCW  None None None None None None None Non	Plow: Submerged (not located)  Notes  Gross solids pre-screening.  Condition Assessment  Graffiti: None Erosion: None Deposition: None Damage: None  Flow: Submerged (not located)  Notes  2010 screening follow-up. Outfall fully submerged and	Previous Rainfall (hrs): 24-48  October 10  October 10
Inspection Date:  Illicit Discharge Po Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Po Submerged: Fully Sampling Results	mg/L  6/20/2012 tential: P  ppm ppm ppm units ° F μS/cm mg/L  10/11/2011 tential: P	Non-illicit:  9:22:09 AM  otential epth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  9:03:10 AM otential	None Type: Other Inspector: JCW  None None None None None None None Non	Plow: Submerged (not located)  Notes  Gross solids pre-screening.  Condition Assessment  Graffiti: None Erosion: None Deposition: None Damage: None  Flow: Submerged (not located)  Notes  2010 screening follow-up. Outfall fully submerged and not physically located. Outfall	Previous Rainfall (hrs): 24-48  Ocale 6  020120620082248.JPG  2012
Inspection Date:  Illicit Discharge Po Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Po Submerged: Fully Sampling Results Sample Location:	mg/L  6/20/2012 tential: P  ppm ppm ppm units ° F μS/cm mg/L  10/11/2011 tential: P	Non-illicit:  9:22:09 AM  otential epth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  9:03:10 AM  otential epth (in):	None Type: Other Inspector: JCW  None None None None None None None Non	Plow: Submerged (not located)  Notes  Gross solids pre-screening.  Condition Assessment  Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged (not located)  Notes 2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 03-22	Previous Rainfall (hrs): 24-48  Ocale 6  020120620082248.JPG  2012
Inspection Date:  Illicit Discharge Po Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Po Submerged: Fully Sampling Results Sample Location: Total Chlorine:	mg/L  6/20/2012 tential: P  ppm ppm ppm units ° F μS/cm mg/L  10/11/2011 tential: P	Non-illicit:  9:22:09 AM  otential epth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  9:03:10 AM  otential epth (in): Floatables:	None Type: Other Inspector: JCW  None None None None None None None Type: Ongoing Inspector: JCW	Plow: Submerged (not located)  Notes  Gross solids pre-screening.  Condition Assessment  Graffiti: None Erosion: None Deposition: None Damage: None  Flow: Submerged (not located)  Notes  2010 screening follow-up. Outfall fully submerged and not physically located. Outfall	Previous Rainfall (hrs): 24-48  O20120620082248.JPG  2012  Previous Rainfall (hrs): 72+
Inspection Date: Illicit Discharge Po Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Po Submerged: Fully Sample Location: Total Chlorine: Free Chlorine: Free Chlorine:	mg/L  6/20/2012  tential: P  ppm ppm units ° F μS/cm mg/L  10/11/2011	Non-illicit:  9:22:09 AM  otential epth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  9:03:10 AM  otential epth (in):  Floatables: Odor:	None Type: Other Inspector: JCW  None None None None None None None Type: Ongoing Inspector: JCW  None None	Plow: Submerged (not located)  Notes  Gross solids pre-screening.  Condition Assessment  Graffiti: None Erosion: None Deposition: None Damage: None  Flow: Submerged (not located)  Notes 2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 03-22 US1.	Previous Rainfall (hrs): 24-48  Ocale 6  020120620082248.JPG  2012
Inspection Date: Illicit Discharge Po Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Po Submerged: Fully Sample Location: Total Chlorine: Free Chlorine: Ammonia:	mg/L  6/20/2012 tential: P  ppm ppm units ° F μS/cm mg/L  10/11/2011 tential: P  D	Non-illicit:  9:22:09 AM  otential epth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  9:03:10 AM  otential epth (in):  Floatables: Odor: Turbidity:	None Type: Other Inspector: JCW  None None None None None None None Type: Ongoing Inspector: JCW  None None None	Flow: Submerged (not located)  Notes  Gross solids pre-screening.  Condition Assessment  Graffiti: None Erosion: None Deposition: None Damage: None  Flow: Submerged (not located)  Notes 2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 03-22 US1.  Condition Assessment	Previous Rainfall (hrs): 24-48  O20120620082248.JPG  2012  Previous Rainfall (hrs): 72+
Inspection Date:  Illicit Discharge Po Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Po Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH:	mg/L  6/20/2012 tential: P  ppm ppm units ° F µS/cm mg/L  10/11/2011 tential: P  D  ppm ppm ppm	Non-illicit:  9:22:09 AM  otential epth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  9:03:10 AM  otential epth (in):  Floatables: Odor: Turbidity: Color:	None Type: Other Inspector: JCW  None None None None None None None Type: Ongoing Inspector: JCW  None None None None None	Flow: Submerged (not located)  Notes  Gross solids pre-screening.  Condition Assessment  Graffiti: None Erosion: None Deposition: None Damage: None  Flow: Submerged (not located)  Notes  2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 03-22 US1.  Condition Assessment  Graffiti: None	Previous Rainfall (hrs): 24-48  October 1990  October 1990
Inspection Date:  Illicit Discharge Po Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Po Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature	mg/L  6/20/2012  tential: P  ppm ppm ppm units ° F μS/cm mg/L  10/11/2011  tential: P  ppm ppm ppm ppm ppm ppm ppm ppm	Non-illicit:  9:22:09 AM  otential epth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  9:03:10 AM  otential epth (in):  Floatables: Odor: Turbidity: Color: Gross Solids:	None Type: Other Inspector: JCW  None None None None None None None Type: Ongoing Inspector: JCW  None None None None None None None Non	Flow: Submerged (not located)  Notes  Gross solids pre-screening.  Condition Assessment  Graffiti: None Erosion: None Deposition: None Damage: None  Flow: Submerged (not located)  Notes  2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 03-22 US1.  Condition Assessment  Graffiti: None Erosion: None	Previous Rainfall (hrs): 24-48  OCOLOGICAL  Previous Rainfall (hrs): 72+  COULTAIN  LOCATEO
Inspection Date:  Illicit Discharge Po Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Po Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH:	mg/L  6/20/2012  tential: P  ppm ppm units ° F µS/cm mg/L  10/11/2011  tential: P  ppm ppm ppm ppm ppm ppm units	Non-illicit:  9:22:09 AM  otential epth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  9:03:10 AM  otential epth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation:	None Type: Other Inspector: JCW  None None None None None None None Type: Ongoing Inspector: JCW  None None None None None None None Non	Flow: Submerged (not located)  Notes  Gross solids pre-screening.  Condition Assessment  Graffiti: None Erosion: None Deposition: None Damage: None  Flow: Submerged (not located)  Notes  2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 03-22 US1.  Condition Assessment  Graffiti: None	Previous Rainfall (hrs): 24-48  October 10  October 10

03-22 City of Oshkosh

Inspection Date:	8/18/2010	10:26:01 AM	Type: Ongoing	Flow:	Submerged (not loo	cated)	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Fully  Sampling Results Sample Location: Total Chlorine: Free Chlorine:	otential: Po	otential epth (in): Floatables: Odor: Turbidity:	Inspector: JCW  None  None  None	Notes Outfal	• • • • • • • • • • • • • • • • • • • •	d tfall	Outial Not Located
Ammonia: pH: Temperature Conductivity: Detergents:	ppm ppm units ° F μS/cm mg/L	Gross Solids: Vegetation: Benthic Growth: Stains:	None None None None None None None	Graffit Erosic Depos	on: None sition: None	0 in.	o20100818101918.JPG <b>2010</b>

nspection Date:	9/10/2009		Type: Initial	Flow:	Submerge	ed, indeter	rminate	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Fully	D	otential epth (in):	Inspector: JCW	_Notes				
Sampling Results	3	Floatables:	None					
Sample Location:		Odor:	None					
Total Chlorine:	ppm	Turbidity:	None					
Free Chlorine:	ppm	Color:	None	T L				
Ammonia:	ppm	Gross Solids:	None	- Condit	ion Asses	sment —		
pH:	units	Vegetation:	None	Graffiti:	Non	ne		09/10.2008/08-47
Temperature	∘ <i>F</i>	Benthic Growth:	None	Erosion	n: Non	ne		Osh09_DSCN6765.JPG
Conductivity:	μS/cm	Stains:	None	Deposi	tion: Non	ne	0 in.	2009
Detergents:	mg/L	Non-illicit:	None	Damag	e: Non	ıe		2009

03-22 US1 City of Oshkosh

# Structure Type:

Manhole

# Discharge Location:

Downstream Outfall

# NR 216 Class:

Major Outfall - Alternate Location

#### Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

# City ID:

03-22

#### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181022155352.JPG

#### **Outfall Notes:**

Upstream catchbasin located approx 55 ft S of outfall 03-22. Intermediate area consists of open space.

County Coordinates: Latitude/Longitude:
Northing: 471,694 Latitude: 44.01348

Easting: 792,376 Longitude: -88.54038



#### **Inspection Date:** 10/22/2018 3:58:28 PM **JCW** Previous Rainfall (hrs): 48-72 Inspector: Inspection Type: Ongoing Flow Description: Sample collected from submerged pool in Submerged, indeterminate Notes: manhole. Floating gross solids (litter) in Submerged: Fully Depth (in): 49 Illicit Discharge Potential: Potential Petrol. Sheen Suds Sewage Other Floatables: None Algae Odor: None Petroleum Musty Sewage Chlorine Other ∇OC/Solvent Fishy Sulfur Fragrant Turbidity: None o20181022155408.JPG Color: None Gross Solids: Moderate ✓ Litter ☐ Veg. Debris ☐ Sediment ☐ Other 2018 Vegetation: None Inhibited Excessive Sampling Results Benthic Growth: None Green Brown Sample Location: Stains: Flow Line Oil Rust Stains None Sample ID: 181022-92 Paint Other Time Collected: 15:56 Natural Sheen Natural Suds/Foam Non-illicit: None Total Chlorine (field): 0 ppm Physical Condition Assessment Free Chlorine (field): ppm Graffiti: None Ammonia (field): 0 ppm Erosion: pH (field): 7.68 units None ۰F Deposition: None Depth (in): Temperature (field): 55 Damage: None Conductivity (field): 355 μS/cm ☐ Displacement ☐ Undercut Crushed Detergents: 0 mg/L Cracks/Structural Damage Corrosion

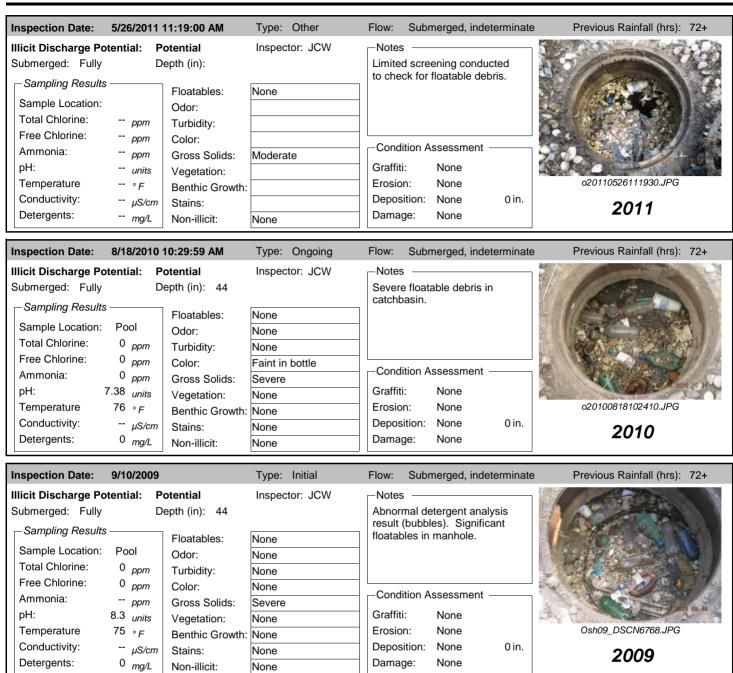
03-22 US1 City of Oshkosh

	40.112.11		<b>T</b> •		B
Inspection Date:		3:25:56 PM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Po			Inspector: JCW	Notes	
Submerged: Fully		epth (in): 44		Sample collected from submerged pool in manhole.	<b>《</b> 《 · · · · · · · · · · · · · · · · · ·
Sampling Result	s	Floatables:	None	Floating gross solids (litter) in	10000000000000000000000000000000000000
Sample Location:	Pool	Odor:	None	manhole.	
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None		
Free Chlorine:	0 <sub>ppm</sub>	Color:	None	Condition Assessment	A MARK TO KIND
Ammonia:	0 <sub>ppm</sub>	Gross Solids:	Moderate	Condition Assessment	THE PARTY OF
	8.32 <sub>units</sub>	Vegetation:	None	Graffiti: None	
Temperature	66 ∘ <sub>F</sub>	Benthic Growth:	None	Erosion: None	o20171018152158.JPG
Conductivity:	422 μS/cm	Stains:	None	Deposition: None in.	2017
Detergents:	0 <sub>mg/L</sub>	Non-illicit:	None	Damage: None	
Inspection Date:	10/18/2016	4:06:54 PM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Po	otential: P	otential	Inspector: JCW	_Notes	
Submerged: Fully	D	epth (in): 44		Potential illicit discharge due	
	's		I	to gross solids.	
Sample Location:		Floatables:	None	-	The second second
Total Chlorine:	0 <sub>ppm</sub>	Odor:	None	-	
Free Chlorine:	0 <sub>ppm</sub>	Turbidity: Color:	None Faint in bottle		
Ammonia:	0 <sub>ppm</sub>	Gross Solids:	Severe	Condition Assessment —	N. Carlotte
pH:	8.15 <sub>units</sub>	Vegetation:	None	Graffiti: None	
ו וין		•		Erosion: None	o20161018160430.JPG
Temperature	66 ∘ <sub>F</sub>	Benthic Growth:			
		Benthic Growth: Stains:		Deposition: None in.	2016
Temperature	66 ° F 403 μS/cm 0 mg/L 9/23/2015	Stains: Non-illicit:	None None Type: Ongoing	Deposition: None in. Damage: None  Flow: Submerged, indeterminate	2016 Previous Rainfall (hrs): 72+
Inspection Date:  Illicit Discharge Posubmerged: Fully Sampling Result: Sample Location: Total Chlorine: Free Chlorine:	9/23/2015 το tential: Posts - Pool 0 ppm 0 ppm 0 ppm	Stains: Non-illicit: 7:51:33 AM otential epth (in): 46 Floatables: Odor: Turbidity: Color:	None  Type: Ongoing Inspector: JCW  None None None None	Damage: None	
Inspection Date:  Illicit Discharge Posubmerged: Fully Sampling Result: Sample Location: Total Chlorine: Free Chlorine: Ammonia:	9/23/2015 τοtential: Posts - Pool 0 ppm 0 ppm 0 ppm 0 ppm 0 ppm	Stains: Non-illicit: 7:51:33 AM otential epth (in): 46  Floatables: Odor: Turbidity: Color: Gross Solids:	None None Type: Ongoing Inspector: JCW  None None None None Moderate	Plow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.	
Inspection Date:  Illicit Discharge Posubmerged: Fully Sampling Result: Sample Location: Total Chlorine: Free Chlorine: Ammonia:	403 μS/cm 0 mg/L  9/23/2015 otential: Position Down to ppm 0 ppm 0 ppm 0 ppm 0 ppm 8.44 units	Stains: Non-illicit:  7:51:33 AM  otential epth (in): 46  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation:	None None Type: Ongoing Inspector: JCW  None None None None Moderate None	Plow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment	
Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Posubmerged: Fully Sampling Result: Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH:	9/23/2015 το tential: Pool 0 ppm 0 ppm 0 ppm 8.44 units 70 ∘ F	Stains: Non-illicit: 7:51:33 AM otential epth (in): 46  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth:	None None Type: Ongoing Inspector: JCW  None None None None Moderate None None	Plow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment  Graffiti: None	Previous Rainfall (hrs): 72+
Inspection Date: Illicit Discharge Posubmerged: Fully Sampling Result: Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature	403 μS/cm 0 mg/L  9/23/2015 otential: Position Down to ppm 0 ppm 0 ppm 0 ppm 0 ppm 8.44 units	Stains: Non-illicit:  7:51:33 AM  otential epth (in): 46  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation:	None None Type: Ongoing Inspector: JCW  None None None None Moderate None	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment  Graffiti: None Erosion: None	Previous Rainfall (hrs): 72+
Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Pour Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity:	9/23/2015 το tential: Posts  Pool	Stains: Non-illicit: 7:51:33 AM otential epth (in): 46  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains:	None None Type: Ongoing Inspector: JCW  None None None Moderate None None None None None None None	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None in.	Previous Rainfall (hrs): 72+
Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Pour Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date:	9/23/2015 ο otential: Posts Pool Ο ppm Ο ppm Ο ppm 8.44 units 70 ° F 354 μS/cm Ο mg/L	Stains: Non-illicit: 7:51:33 AM otential epth (in): 46  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	None None Type: Ongoing Inspector: JCW  None None None None None None None Non	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None Damage: None	Previous Rainfall (hrs): 72+  020150923065324.JPG  2015
Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Pe Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Pe	9/23/2015 otential: Poly ppm 0 ppm 0 ppm 8.44 units 70 ° F 354 μS/cm 0 mg/L otential: Poly poly poly poly ppm 10/9/2014 sotential: Poly poly poly poly poly poly poly poly p	Stains: Non-illicit:  7:51:33 AM otential epth (in): 46  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	None None Type: Ongoing Inspector: JCW  None None None Moderate None None None None None None None	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+  020150923065324.JPG  2015
Inspection Date:  Inspection Date:  Illicit Discharge Pour Submerged: Fully Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date:  Illicit Discharge Pour Submerged: Plant Submerged: Fully Sample Location:  Inspection Date:  Illicit Discharge Pour Submerged: Submergents:  Inspection Date:  Inspection Date:  Illicit Discharge Pour Submergents:	9/23/2015 το tential: Pool	Stains: Non-illicit: 7:51:33 AM otential epth (in): 46  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: 9:52:24 AM otential epth (in): 40	None None Type: Ongoing Inspector: JCW  None None None None Moderate None None None Type: Ongoing Inspector: JCW	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate  Notes	Previous Rainfall (hrs): 72+  020150923065324.JPG  2015
Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Posubmerged: Fully Sampling Result: Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Posubmerged: Fully	9/23/2015 το tential: Posts    Pool	Stains: Non-illicit: 7:51:33 AM otential epth (in): 46  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: 9:52:24 AM otential epth (in): 40 Floatables:	None None Type: Ongoing Inspector: JCW  None None None Moderate None None None Type: Ongoing Inspector: JCW	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate  Notes	Previous Rainfall (hrs): 72+  020150923065324.JPG  2015
Inspection Date:  Illicit Discharge Posubmerged: Fully Sampling Result: Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Posubmerged: Fully Sampling Result:	9/23/2015 το tential: Posts    Pool	Stains: Non-illicit: 7:51:33 AM otential epth (in): 46  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: 9:52:24 AM otential epth (in): 40  Floatables: Odor:	None None Type: Ongoing Inspector: JCW  None None None None Moderate None None None Type: Ongoing Inspector: JCW	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate  Notes	Previous Rainfall (hrs): 72+  020150923065324.JPG  2015
Inspection Date:  Illicit Discharge Personal Submerged: Fully Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Personal Submerged: Fully Sampling Result: Sampling Result: Sampling Result: Sampling Result: Sample Location:	9/23/2015 το tential: Pool 0 ppm 0 ppm 0 ppm 0 ppm 8.44 units 70 ° F 354 μS/cm 0 mg/L  10/9/2014 9 tential: Pool 0 ppm	Stains: Non-illicit: 7:51:33 AM otential epth (in): 46  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: 9:52:24 AM otential epth (in): 40 Floatables:	None None Type: Ongoing Inspector: JCW  None None None Moderate None None None Type: Ongoing Inspector: JCW  None None	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None Damage: None  Flow: Submerged, indeterminate  Notes Floatable litter in catchbasin.	Previous Rainfall (hrs): 72+  020150923065324.JPG  2015
Inspection Date:  Illicit Discharge Posubmerged: Fully Sample Location: Total Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Posubmerged: Fully Sample Location: Total Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Posubmerged: Fully Sample Location: Total Chlorine: Free Chlorine: Ammonia:	9/23/2015 τοtential: Posts    Pool	Stains: Non-illicit:  7:51:33 AM otential epth (in): 46  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  9:52:24 AM otential epth (in): 40  Floatables: Odor: Turbidity:	None None Type: Ongoing Inspector: JCW  None None None None None None None Type: Ongoing Inspector: JCW  None None None None	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate  Notes	Previous Rainfall (hrs): 72+  020150923065324.JPG  2015
Inspection Date: Illicit Discharge Posubmerged: Fully Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents: Illicit Discharge Posubmerged: Fully Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents: Inspection Date: Illicit Discharge Posubmerged: Fully Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH:	9/23/2015 το tential: Posts    Pool	Stains: Non-illicit:  7:51:33 AM otential epth (in): 46  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  9:52:24 AM otential epth (in): 40  Floatables: Odor: Turbidity: Color:	None None Type: Ongoing Inspector: JCW  None None None None None None None Non	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None Damage: None  Flow: Submerged, indeterminate  Notes Floatable litter in catchbasin.  Condition Assessment Graffiti: None	Previous Rainfall (hrs): 72+  020150923065324.JPG  2015  Previous Rainfall (hrs): 72+
Inspection Date: Illicit Discharge Personal Conductivity: Detergents: Illicit Discharge Personal Conductivity: Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents: Illicit Discharge Personal Chlorine: Free Chlorine: Free Chlorine: Ammonia: pH: Sampling Result: Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature	9/23/2015 το tential: Pool	Stains: Non-illicit: 7:51:33 AM otential epth (in): 46  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: 9:52:24 AM otential epth (in): 40  Floatables: Odor: Turbidity: Color: Turbidity: Color: Gross Solids:	None None Type: Ongoing Inspector: JCW  None None None None None None None Non	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None Damage: None  Flow: Submerged, indeterminate  Notes Floatable litter in catchbasin.  Condition Assessment Graffiti: None Erosion: None  Floatable litter in catchbasin.	Previous Rainfall (hrs): 72+  020150923065324.JPG  2015
Inspection Date: Illicit Discharge Posubmerged: Fully Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents: Illicit Discharge Posubmerged: Fully Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents: Inspection Date: Illicit Discharge Posubmerged: Fully Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH:	9/23/2015 το tential: Posts    Pool	Stains: Non-illicit: 7:51:33 AM otential epth (in): 46  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: 9:52:24 AM otential epth (in): 40  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation:	None None Type: Ongoing Inspector: JCW  None None None None None None None Non	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None Damage: None  Flow: Submerged, indeterminate  Notes Floatable litter in catchbasin.  Condition Assessment Graffiti: None	Previous Rainfall (hrs): 72+  020150923065324.JPG  2015  Previous Rainfall (hrs): 72+

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Inspection Date: 7/31/2013				
	12:42:35 PM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: P	otential	Inspector: JCW	-Notes	
_	epth (in): 44		2012 screening follow-up.	
Sampling Results	Floatables:	None	Significant gross solids - similar to previous years.	
Sample Location: Pool	Odor:	Faint	-   6	
Total Chlorine: 0 ppm	Turbidity:	None		
Free Chlorine: 0 ppm	Color:	Faint in bottle	Occupition Assessment	
Ammonia: 0 <sub>ppm</sub>	Gross Solids:	Severe	Condition Assessment	W. T. SHANNER
pH: 7.95 <i>units</i>	Vegetation:	None	Graffiti: None	
Temperature 76 ∘ F	Benthic Growth:	None	Erosion: None	o20130731114610.JPG
Conductivity: 450 µS/cm	Stains:	None	Deposition: None in.	2013
Detergents: 0 mg/L	Non-illicit:	None	Damage: None	
Inspection Date: 9/27/2012	9:27:45 AM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: P	otential	Inspector: JCW	Notes —	
Submerged: Fully D	epth (in): 39		2011 gross solids follow-up.	
Sampling Results	Flootobles	None	¬	
Sample Location: Pool	Floatables: Odor:	None None	- I	
Total Chlorine: 0 ppm	Turbidity:	None		TO RESERVE A
Free Chlorine: 0 ppm	Color:	None		
Ammonia: 0 ppm	Gross Solids:	Severe	Condition Assessment	
pH: 8.32 units	Vegetation:	None	Graffiti: None	GH.
Temperature 59 ∘ F	Benthic Growth:	None	Erosion: None	o20120927082922.JPG
Conductivity: 398 µS/cm	Stains:	None	Deposition: None in.	2012
Detergents: 0 mg/L	Non-illicit:	None	Damage: None	2012
Illicit Discharge Potential: P Submerged: Fully D	9:24:19 AM otential epth (in): 46	Type: Other Inspector: JCW	Flow: Submerged, indeterminate  Notes  Gross solids pre-screening.	Previous Rainfall (hrs): 24-48
Illicit Discharge Potential: P Submerged: Fully D Sampling Results	otential		-Notes -	Previous Rainfall (hrs): 24-48
Illicit Discharge Potential: P Submerged: Fully D Sampling Results Sample Location:	otential epth (in): 46 Floatables: Odor:	Inspector: JCW	-Notes -	Previous Rainfall (hrs): 24-48
Submerged: Fully  Sampling Results  Sample Location: Total Chlorine: ppm	otential epth (in): 46 Floatables: Odor: Turbidity:	None None None	-Notes -	Previous Rainfall (hrs): 24-48
Submerged: Fully  Sampling Results  Sample Location: Total Chlorine: ppm Free Chlorine: ppm	otential epth (in): 46  Floatables: Odor: Turbidity: Color:	None None None None None	-Notes -	Previous Rainfall (hrs): 24-48
Sampling Results Sample Location: Total Chlorine: ppm Free Chlorine: ppm Ammonia: ppm	otential epth (in): 46  Floatables: Odor: Turbidity: Color: Gross Solids:	None None None None Severe	Notes Gross solids pre-screening.	Previous Rainfall (hrs): 24-48
Sampling Results  Sample Location: Total Chlorine: ppm Free Chlorine: ppm Ammonia: ppm	otential epth (in): 46  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation:	None None None None Severe None	Notes Gross solids pre-screening.  Condition Assessment	Previous Rainfall (hrs): 24-48  020120620082508.JPG
Sampling Results Sample Location: Total Chlorine: ppm Free Chlorine: ppm Ammonia: ppm pH: units	otential epth (in): 46  Floatables: Odor: Turbidity: Color: Gross Solids:	None None None None Severe None	Notes Gross solids pre-screening.  Condition Assessment Graffiti: None	o20120620082508.JPG
Sample Location: Total Chlorine: Free Chlorine: Ammonia: Ppm Ppm PH: Temperature Potential: PD D D D D D D D D D D D D D D D D D D	otential epth (in): 46  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth:	None None None None Severe None	Condition Assessment  Graffiti: None Erosion: None	00 (20)
Illicit Discharge Potential: P Submerged: Fully D  Sampling Results  Sample Location:  Total Chlorine: ppm Free Chlorine: ppm Ammonia: ppm pH: units Temperature ° F Conductivity: µS/cm Detergents: mg/L	otential epth (in): 46  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains:	None None None None Severe None None None	Notes Gross solids pre-screening.  Condition Assessment Graffiti: None Erosion: None Deposition: None in.	o20120620082508.JPG
Illicit Discharge Potential:  Submerged: Fully  Sampling Results  Sample Location:  Total Chlorine: ppm Free Chlorine: ppm Ammonia: ppm pH: units Temperature ° F Conductivity: µS/cm Detergents: mg/L	otential epth (in): 46  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	None None None None Severe None None None Type: Ongoing	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate	o20120620082508.JPG 2012
Submerged: Fully  Sampling Results  Sample Location:  Total Chlorine: ppm Free Chlorine: ppm Ammonia: ppm pH: units Temperature ° F Conductivity: µS/cm Detergents: mg/L  Illicit Discharge Potential: P	otential epth (in): 46  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	None None None None Severe None None None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate  Notes 2010 screening follow-up. No	o20120620082508.JPG 2012
Submerged: Fully Description: Pampling Results  Sample Location: Total Chlorine: ppm Free Chlorine: ppm Ammonia: ppm pH: units Temperature ° F Conductivity: µS/cm Detergents: mg/L  Inspection Date: 10/11/2011	otential epth (in): 46  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  19:05:50 AM otential epth (in): 37	None None None None None None None None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate  Notes	o20120620082508.JPG 2012
Submerged: Fully  Sampling Results  Sample Location:  Total Chlorine: ppm Free Chlorine: ppm Ammonia: ppm pH: units Temperature ° F Conductivity: µS/cm Detergents: mg/L  Illicit Discharge Potential: P Submerged: Fully	otential epth (in): 46  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	None None None None Severe None None None Type: Ongoing	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate  Notes 2010 screening follow-up. No significant change in volume	o20120620082508.JPG 2012
Submerged: Fully  Sampling Results  Sample Location:  Total Chlorine: ppm  Ammonia: ppm  pH: units  Temperature ° F  Conductivity: µS/cm  Detergents: mg/L  Illicit Discharge Potential: P  Submerged: Fully  Sample Location: Pool  Total Chlorine: 0 ppm	otential epth (in): 46  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  19:05:50 AM otential epth (in): 37	None None None None None None None None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate  Notes 2010 screening follow-up. No significant change in volume	o20120620082508.JPG 2012
Submerged: Fully  Sampling Results  Sample Location:  Total Chlorine: ppm  Ammonia: ppm  pH: units  Temperature ° F  Conductivity: µS/cm  Detergents: mg/L  Illicit Discharge Potential: P  Submerged: Fully D  Sample Location: Pool  Total Chlorine: 0 ppm  Free Chlorine: 0 ppm  Free Chlorine: 0 ppm	otential epth (in): 46  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  9:05:50 AM otential epth (in): 37  Floatables: Odor:	Inspector: JCW  None None None None Severe None None None Type: Ongoing Inspector: JCW  None None	Condition Assessment Graffiti: None Erosion: None Deposition: None Damage: None  Flow: Submerged, indeterminate  Notes 2010 screening follow-up. No significant change in volume of floatable debris.	o20120620082508.JPG 2012
Illicit Discharge Potential:  Submerged: Fully  Sampling Results  Sample Location:  Total Chlorine: ppm Free Chlorine: ppm  PH: units  Temperature ° F  Conductivity: µS/cm  Detergents: mg/L  Illicit Discharge Potential: P  Submerged: Fully  Sample Location: Pool  Total Chlorine: 0 ppm  Free Chlorine: 0 ppm  Free Chlorine: 0 ppm  Ammonia: 0 ppm	otential epth (in): 46  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  19:05:50 AM otential epth (in): 37  Floatables: Odor: Turbidity:	None None None None None None None None	Condition Assessment  Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate  Notes 2010 screening follow-up. No significant change in volume of floatable debris.  Condition Assessment	o20120620082508.JPG 2012
Illicit Discharge Potential: Submerged: Fully  Sampling Results  Sample Location: Total Chlorine: ppm Ammonia: ppm pH: units Temperature ° F Conductivity: µS/cm Detergents: mg/L  Illicit Discharge Potential: Submerged: Fully  Sampling Results  Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm PH: 8.13 units	otential epth (in): 46  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  1 9:05:50 AM otential epth (in): 37  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation:	None None None None None None None None	Condition Assessment  Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate  Notes 2010 screening follow-up. No significant change in volume of floatable debris.  Condition Assessment Graffiti: None	20120620082508.JPG 2012  Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Submerged: Fully  Sampling Results  Sample Location: Total Chlorine: ppm Free Chlorine: ppm Ammonia: ppm pH: units Temperature ° F Conductivity: µS/cm Detergents: mg/L  Inspection Date: 10/11/2011 Illicit Discharge Potential: P Submerged: Fully  Sampling Results  Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.13 units Temperature 70 ° F	cotential epth (in): 46  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  19:05:50 AM cotential epth (in): 37  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth:	None None None None None None None None	Condition Assessment Graffiti: None Erosion: None Deposition: None Damage: None  Flow: Submerged, indeterminate  Notes 2010 screening follow-up. No significant change in volume of floatable debris.  Condition Assessment Graffiti: None Erosion: None	o20120620082508.JPG 2012
Illicit Discharge Potential: Submerged: Fully  Sampling Results  Sample Location: Total Chlorine: ppm Free Chlorine: ppm pH: units Temperature ° F Conductivity: µS/cm Detergents: mg/L  Illicit Discharge Potential: Submerged: Fully  Sampling Results  Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.13 units	otential epth (in): 46  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  1 9:05:50 AM otential epth (in): 37  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation:	None None None None None None None None	Condition Assessment  Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate  Notes 2010 screening follow-up. No significant change in volume of floatable debris.  Condition Assessment Graffiti: None	o20120620082508.JPG 2012  Previous Rainfall (hrs): 72+

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Priority Outfall

# Structure Type:

Closed Pipe Outfall

# Discharge Location:

Water of the State

#### NR 216 Class:

Major Outfall

# Shape:

Pipe - Circular

#### Material:

**RCP** 

# City ID:

N/A

# -Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Desktop mapping estimate

✓ Not Physically Located



o20181022152602.JPG

# **Outfall Notes:**

Storm sewer from S Main St discharges to river from south. Outfall not located - pipe info from MS4 map.

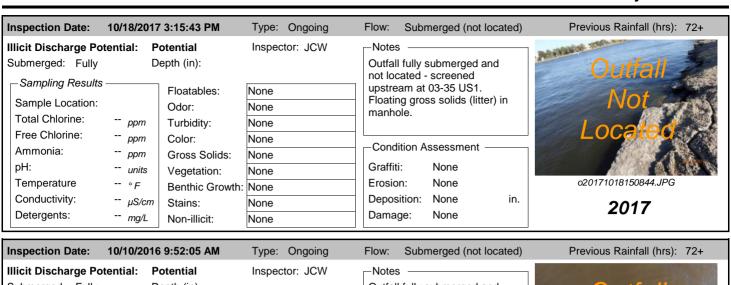
County Coordinates:Latitude/Longitude:Northing:471,413Latitude:44.01271Easting:793,066Longitude:-88.53776

# **Location Map**

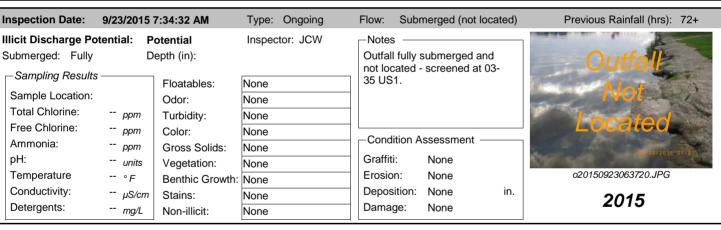


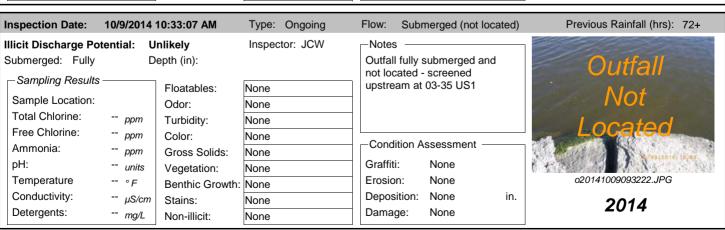
Inspection	Date: 10/22	/2018 3:27:47 PM	Inspector:	JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	48-72
Flow Descri Submerged:	-	nerged (not located) Depth (in):	Notes:	screened	ully submerged and d upstream at 03-35 blids (litter) in manho	US1. Floating	Outf	all
Floatables: Odor: Turbidity:	None None	Peti	ol. Sheen coleum	Suds Musty Fishy	Sewage Ch	gae Other Other Other agrant	No Loca	NAME:
Color: Gross Solids Vegetation: Benthic Gros Stains:	None	Gre	bited	Veg. Debri Excessive Brown Oil Other			2016 Sampling Results Sample Location: Sample ID: Time Collected:	
Non-illicit:  —Physical ( Graffiti: Erosion: Deposition Damage:	None Condition Asse None None n: None None		ural Sheen  Undercut Cracks/Str	Cı	al Suds/Foam rushed amage		Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field): Detergents:	ppm ppm ppm units ° F µS/cm mg/L

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Inspection Date:	10/10/2016	9:52:05 AM	Type: Ongoing	Flow:	Submerged (not loo	cated)	Previous Rainfall (hrs): 72+
Illicit Discharge Po	tential: P	otential	Inspector: JCW	_Note	s ———		
Submerged: Fully		epth (in):			ll fully submerged and cated - screened	d	Outfall
Sampling Results		Floatables:	None	upstre	eam at 03-35 US1.		Not
Sample Location:		Odor:	None				Not
Total Chlorine:	ppm	Turbidity:	None				Located
Free Chlorine:	ppm	Color:	None				Located
Ammonia:	ppm	Gross Solids:	None	- Cond	dition Assessment —		
pH:	units	Vegetation:	None	Graffi	ti: None		
Temperature	∘ <i>F</i>	Benthic Growth:	None	Erosio	on: None		o20161010094930.JPG
Conductivity:	μS/cm	Stains:	None	Depos	sition: None	in.	2016
Detergents:	mg/L	Non-illicit:	None	Dama	ige: None		2010





Inspection Date:	7/31/2013	12:30:28 PM	Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Po	tential: P	otential	Inspector: JCW	Notes —	
Submerged: Fully	D	epth (in):		2012 screening follow-up.	Outfall
-Sampling Results				Outfall not located. Outfall screened upstream at 03-35	- Outrail
Sample Location:		Floatables:	None	US1. Gross solids in upstrem	Not
Total Chlorine:		Odor:	None	mh.	
Free Chlorine:	ppm	Turbidity:	None		ocated
Ammonia:	ppm	Color:	None	Condition Assessment —	
pH:	ppm units	Gross Solids:	None	Graffiti: None	The second secon
Temperature	°F	Vegetation: Benthic Growth:	None None	Erosion: None	o20130731113304.JPG
Conductivity:	μS/cm	Stains:		Deposition: None in.	
Detergents:	μS/CIII mg/L	Non-illicit:	None None	Damage: None	2013
Submerged: Fully		epth (in):		Outfall fully submerged; screened upstream at 03-35	Outfall
Sampling Results		Floatables:	None	US1.	Mod
Sample Location:		Odor:	None		NOT (
Total Chlorine:	ppm	Turbidity:	None		Located
Free Chlorine:	ppm	Color:	None	Condition Assessment	Located
Ammonia:	ppm	Gross Solids:	None		11/27/1944
pH:	units	Vegetation:	None	Graffiti: None	
Temperature	∘ <i>F</i>	Benthic Growth:	None	Erosion: None	o20120927081506.JPG
Conductivity:	μS/cm	Stains:	None	Deposition: None in.	2012
Detergents:	mg/L	Non-illicit:	None	Damage: None	
Inspection Date:	6/20/2012	9:06:10 AM	Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 24-48
Illicit Discharge Po	tential: P	otential	Inspector: JCW	-Notes	
Submerged: Fully	D	epth (in):		Gross solids pre-screening.	Outfall
,					

Inspection Date:	6/20/2012	9:06:10 AM	Type: Other	Flow:	Submerged (not local	ated) Previous Rainfall (hrs): 24-48
Illicit Discharge Pot Submerged: Fully  Sampling Results Sample Location: Total Chlorine:	tential: P	otential epth (in): Floatables: Odor:	Inspector: JCW  None  None	Notes	<b>3</b> ,	Outfall
Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:	ppm ppm ppm units ° F µS/cm mg/L	Color: Gross Solids: Vegetation: Benthic Growth: Stains:	None None None None None None None None	Graffit Erosio Depos Dama	n: None ition: None	o20120620080844.JPG  and a 2012

Inspection Date:	10/11/201 <sup>-</sup>	1 9:36:03 AM	Type: Ongoing	Flow: Submerged (not located) Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential Submerged: Fully Depth (in):  Sampling Results			Inspector: JCW	Notes  2010 screening follow-up. Outfall fully submerged and
Sample Location:			None None	not physically located. Outfall screened upstream at 03-35 US1.
Total Chlorine: Free Chlorine:	ppm ppm		None None	Located
Ammonia:	ppm		None	Condition Assessment
pH:	units	3	None	Graffiti: None 020111011093254.JPG
Temperature Conductivity:	°F μS/cm	Benthic Growth: Stains:	None None	Deposition: None 0 in.
Detergents:	mg/L		None	Damage: None

Inspection Date:	8/18/2010	9:27:46 AM	Type: Ongoing	Flow:	Submerged (not located)	Previous Rainfall (hrs): 72+	
Illicit Discharge Po Submerged: Fully —Sampling Results Sample Location:	D	otential epth (in): Floatables: Odor:	Inspector: JCW  None  None	not ph	fully submerged and ysically located. Outfall led upstream at 03-35	Outfall Not	
Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:	ppm ppm ppm units ° F μS/cm mg/L	Turbidity: Color: Gross Solids: Vegetation: Benthic Growth Stains: Non-illicit:	None None None None None None None None	Condi Graffiti Erosio Depos Damag	n: None 0 in.	0.10.2016 07 2 020100818092204.JPG 2010	
Inspection Date:	9/10/2009		Type: Initial	Flow:	Submerged (not located)	Previous Rainfall (hrs): 72+	
Illicit Discharge Po Submerged: Fully  Sampling Results  Sample Location: Total Chlorine:	D	otential epth (in): Floatables: Odor: Turbidity:	Inspector: JCW  None  None  None	Outfall not ph	fully submerged and ysically located. Outfall led upstream at 03-35	Outfall Not Located	
Free Chlorine: Ammonia: pH:	ppm ppm units	Color: Gross Solids: Vegetation:	None None None	— Condi	tion Assessment	LUCATED	

Erosion:

Damage:

Deposition:

None

None

None

0 in.

Osh09\_DSCN6761.JPG

2009

Temperature

Conductivity:

Detergents:

-- ∘*F* 

-- μS/cm

-- mg/L

Benthic Growth: None

None

None

Stains:

Non-illicit:

# Structure Type:

Manhole

# **Discharge Location:**

Downstream Outfall

#### NR 216 Class:

Major Outfall - Alternate Location

#### Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

# City ID:

03-35

#### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# Mapping Precison:

Mapping GPS

■ Not Physically Located



o20181022152738.JPG

#### **Outfall Notes:**

Upstream manhole located approx 20 ft WSW of outfall 03-35. Intermediate area consists of open space.

County Coordinates: Latitude/Longitude:
Northing: 471,408 Latitude: 44.01270

Easting: 793,047 Longitude: -88.53783



#### **Inspection Date:** 10/22/2018 3:30:12 PM **JCW** Previous Rainfall (hrs): 48-72 Inspector: Inspection Type: Ongoing Flow Description: Sample collected from submerged pool in Submerged, indeterminate Notes: manhole. Floating gross solids (litter) in Submerged: Fully Depth (in): 41 manhole. Illicit Discharge Potential: Potential Other Petrol. Sheen Suds ☐ Sewage ☐ Algae Floatables: None Odor: None Petroleum Musty Sewage Chlorine Other ∇OC/Solvent Fishy Sulfur Fragrant Turbidity: None o20181022152746.JPG Color: None Gross Solids: Moderate ✓ Litter ☐ Veg. Debris ☐ Sediment ☐ Other 2018 Vegetation: None Inhibited Excessive Sampling Results Benthic Growth: None Green Brown Sample Location: Pool Stains: Flow Line Oil None Rust Stains Sample ID: 181022-85 Paint Other Time Collected: 13:28 Natural Sheen Natural Suds/Foam Non-illicit: None Total Chlorine (field): 0 ppm Physical Condition Assessment Free Chlorine (field): ppm Graffiti: None Ammonia (field): 0 ppm Erosion: pH (field): units None 7.81 ۰F Deposition: None Depth (in): Temperature (field): 56 Damage: None Conductivity (field): 338 μS/cm ☐ Displacement ☐ Undercut Crushed Detergents: 0 mg/L Cracks/Structural Damage Corrosion

Inspection Date: 10/18/201	7 3:16:37 PM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: F		Inspector: JCW	-Notes	Trottodo Hamman (mo). 721
•	Depth (in): 35	moposium 0011	Sample collected from	
_Sampling Results —	_	_	submerged pool in manhole.	
	Floatables:	None	Floating gross solids (litter) in manhole.	
Sample Location: Pool	Odor:	None	mannoie.	<b>国际工作等 一条</b>
Total Chlorine: 0 ppm	Turbidity:	None	_	
Free Chlorine: 0 ppm	Color:	None	Condition Assessment	
Ammonia: 0 ppm pH: 7.94 units	Gross Solids:	Severe	Graffiti: None	And the Contract of the Contra
·	Vegetation:	None	Erosion: None	o20171018151012.JPG
	Benthic Growth:		Deposition: None in.	02017 1018131012.3F G
μο/οπ		None	Damage: None	2017
Detergents: 0 mg/L	Non-illicit:	None	Damage. None	
Inspection Date: 10/10/201	6 9:52:43 AM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: F	Potential	Inspector: JCW	_Notes	
Submerged: Fully [	Depth (in): 32		Potential illicit discharge due	1997 24000 S
-Sampling Results	٦		to gross solids.	
	Floatables:	None	_	A STATE OF THE PARTY OF THE PAR
•	Odor:	Faint	- 8	<b>一人</b>
ppiii	Turbidity:	None	-	
ppin	Color:	None	Condition Assessment —	
pH: 7.54 units	Gross Solids:	Moderate	Graffiti: None	
Temperature 63 ° F	Vegetation:	None	Erosion: None	o20161010094958.JPG
Conductivity: 391 $\mu$ S/cm	Benthic Growth:	None	Deposition: None in.	
Detergents: 0 $mg/L$	Stains: Non-illicit:	None	Damage: None	2016
- Trigre Trigre	NON-IIIICIL.	None		
Inspection Date: 9/23/2015	7:36:00 AM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: F	Potential	Inspector: JCW	-Notes	
Submerged: Fully [	Depth (in): 30		Floating gross solids (litter) in	
- Sampling Results	7	<b>.</b> .	manhole.	A CONTRACTOR OF THE PARTY OF TH
Sample Location: Pool	Floatables:	None	_	
•	Odor:	None	_	
ppiii	Turbidity:	None		St. A STATE OF THE
<i> </i>	Color:	Faint in bottle	Condition Assessment	
Ammonia: 0 ppm pH: 8.64 units	Gross Solids:	Moderate	Graffiti: None	
Temperature 69 ° F	Vegetation:	None	Erosion: None	o20150923063950.JPG
Conductivity: 359 $\mu$ S/cm	Benthic Growth:	None	Deposition: Minor 1 in.	
Detergents: 0 $mg/L$		None	Damage: None	2015
	Non-illicit:	None		
Inspection Date: 10/9/2014	10:35:52 AM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
•	Jnlikely	Inspector: JCW	Notes —	
Submerged: Fully [	Depth (in): 32		Vegetative debris in photo	
•			from opening lid	
Sampling Results	Floatables:	None	from opening lid.	
Sampling Results Sample Location: Pool	Floatables: Odor:	None None	from opening lid.	

-Condition Assessment

None

None

Minor

None

1 in.

o20141009093356.JPG

2014

Graffiti:

Erosion:

Damage:

Deposition:

Total Chlorine:

Free Chlorine:

Ammonia:

Temperature

Conductivity:

Detergents:

рН:

0 <sub>ppm</sub>

0 <sub>ppm</sub>

 $0_{ppm}$ 

7.86 *units* 

58 ∘<sub>F</sub>

 $476~\mu S/cm$ 

0 mg/L

Turbidity:

Gross Solids:

Benthic Growth:

Vegetation:

Color:

Stains:

Non-illicit:

None

Slight

None

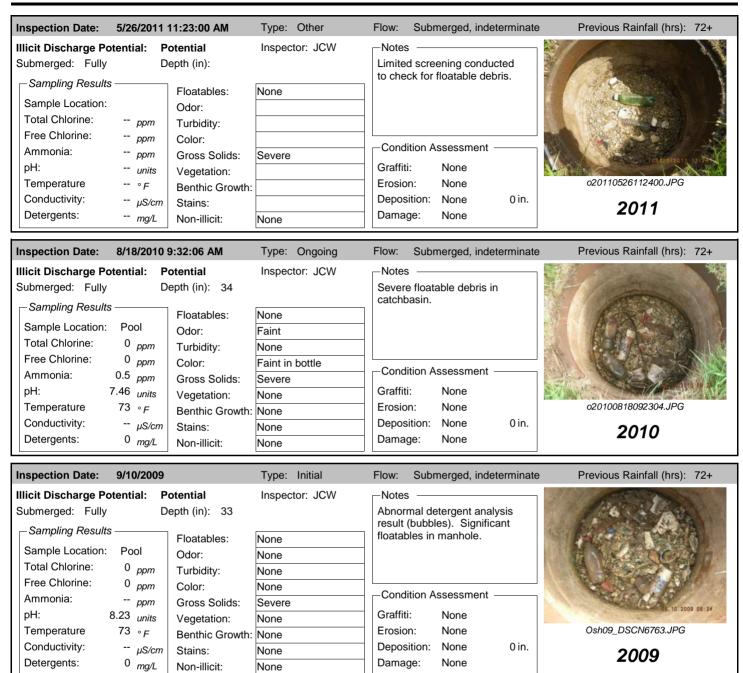
None

None

None

Faint in bottle

	7/31/2013	12:31:00 PM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Fully	otential: Po	otential epth (in): 33	Inspector: JCW	Notes  2012 screening follow-up. Significant gross solids.	
Sampling Results Sample Location: Total Chlorine: Free Chlorine:	Pool 0 <sub>ppm</sub>	Floatables: Odor: Turbidity:	None None None	Similar to previous years.	
Ammonia:	0 <sub>ppm</sub> 0 <sub>ppm</sub> 8.47 <sub>units</sub> 75 ° F	Color: Gross Solids: Vegetation:	Faint in bottle Severe None	Condition Assessment Graffiti: None Erosion: None	o20130731113346.JPG
•	425 μS/cm 0 mg/L	Benthic Growth: Stains: Non-illicit:	Moderate None	Deposition: None in. Damage: None	2013
Inspection Date:	9/27/2012	9:13:54 AM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Fully Sampling Results	D	otential epth (in): 31 Floatables:	Inspector: JCW	Notes 2011 gross solids follow-up.	
Sample Location: Total Chlorine: Free Chlorine:	0 <sub>ppm</sub>	Odor: Turbidity: Color:	None None None	Condition Assessment	(0.0-0)
Temperature	0 ppm 8.42 units 59 ° F 723 µS/cm	Gross Solids: Vegetation: Benthic Growth: Stains:	Severe None None Slight	Graffiti: None Erosion: None Deposition: Minor 3 in.	o20120927081522.JPG
Detergents:  Inspection Date:	0 mg/L 6/20/2012 9	Non-illicit: 9:08:12 AM	None Type: Other	Damage: None  Flow: Submerged, indeterminate	2012 Previous Rainfall (hrs): 24-48
Illicit Discharge Po Submerged: Fully	otential: Po	otential epth (in): 39	Inspector: JCW	-Notes	
	,	,		Gross solids pre-screening.	
Sampling Results Sample Location: Total Chlorine:	ppm	Floatables: Odor: Turbidity:	None None	Gross solids pre-screening.	
Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH:	ppm ppm ppm units	Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation:	None None None Severe None	Condition Assessment Graffiti: None	220120620092019 IPC
Sample Location: Total Chlorine: Free Chlorine: Ammonia:	ppm ppm ppm	Floatables: Odor: Turbidity: Color: Gross Solids:	None None None Severe None	Condition Assessment	o20120620080918.JPG 2012
Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity:	ppm ppm ppm units ° F μS/cm mg/L	Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains:	None None Severe None None None	Condition Assessment  Graffiti: None Erosion: None Deposition: None in.	
Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Po	ppm ppm ppm units ∘ F μS/cm mg/L  10/11/2011  otential: Po	Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	None None Severe None None None None None	Condition Assessment  Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate  Notes 2010 screening follow-up. Floatable debris still present.	2012
Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Submerged: Fully Sampling Results Sample Location: Total Chlorine:	ppm ppm ppm ppm units ° F μS/cm mg/L  10/11/2011  ptential: Po Do S Pool 0 ppm	Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  9:29:50 AM otential	None None Severe None None None None Type: Ongoing	Condition Assessment  Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate  Notes 2010 screening follow-up.	2012
Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Posubmerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia:	ppm ppm ppm ppm units ° F μS/cm mg/L  10/11/2011  otential: Po	Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  9:29:50 AM otential epth (in): 19  Floatables: Odor:	None None None Severe None None None None Type: Ongoing Inspector: JCW Severe None None None None None None None Non	Condition Assessment  Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate  Notes 2010 screening follow-up. Floatable debris still present.	2012



03-81 City of Oshkosh

Priority Outfall

# Structure Type:

Closed Pipe Outfall

# Discharge Location:

Water of the State

#### NR 216 Class:

Major Outfall

# Shape:

Pipe - Circular

# Material:

Cast Iron

# City ID:

N/A

# -Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Desktop mapping estimate

✓ Not Physically Located

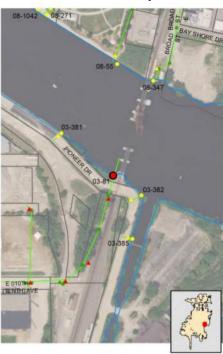


o20181022151212.JPG

# **Outfall Notes:**

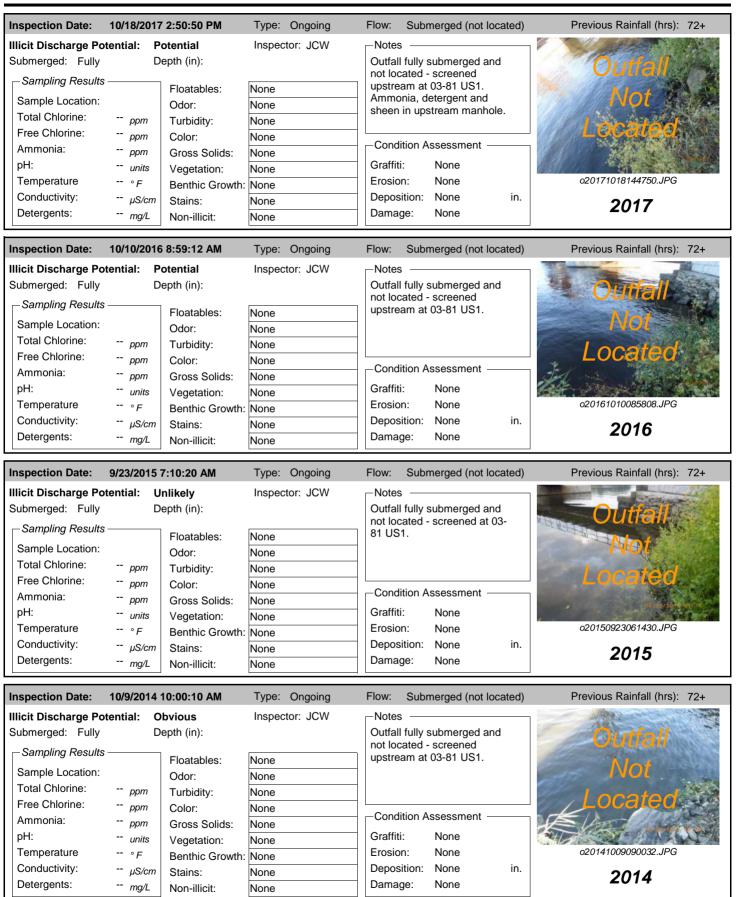
10th Ave storm sewer discharges to river from south. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:Latitude/Longitude:Northing:470,711Latitude:44.01079Easting:794,023Longitude:-88.53412

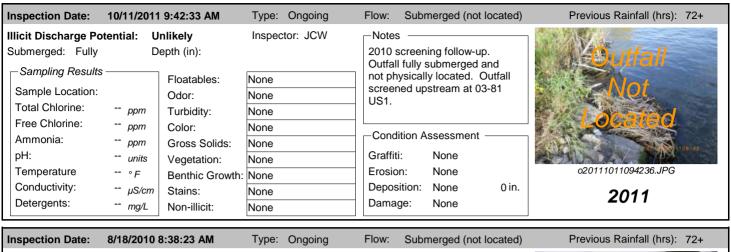


Inspection	Date:	10/22/2018 3:13:3	9 PM In	spector:	JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	48-72
Flow Descr Submerged:	•	• (	•	Notes:	screened	ılly submerged and ı d upstream at 03-81	US1. Floating		NA.
Illicit Disch	•		,		gross so	lids (litter) in manho	le.	OUE:	
	None None	otentia. Totentia		_	] Suds ] Musty ] Fishy	Sewage Cr	gae	Loca	
Color:	None							o201810221512	216.JPG
Gross Solids	s: No	one	Litter		Veg. Debri	s Sediment	Other	201	8
Vegetation:	No	one	Inhibite	ed 🔲 l	Excessive		Г	Sampling Results ———	
Benthic Gro	wth: No	one	Green		Brown			Sample Location:	
Stains:	No	one	☐ Flow Li ☐ Paint		Oil Other	Rust Stains		Sample ID: Time Collected:	
Non-illicit:	No	one	Natural	Sheen	□ Natura	al Suds/Foam		Total Chlorine (field):	ppm
Physical (	Conditio	on Assessment —						Free Chlorine (field):	ppm
Graffiti: Erosion: Depositio	No n: No	one one Depth (in):						Ammonia (field): pH (field): Temperature (field):	ppm units ° F
Damage:	No	one Displace Corrosic		Indercut Cracks/Str	Cructural Da	rushed mage		Conductivity (field): Detergents:	μS/cm mg/L

03-81 City of Oshkosh



03-81 City of Oshkosh



Inspection Date:	8/18/2010 8	3:38:23 AM	Type: Ongoing	Flow:	Submerged (not lo	ocated)	Previous Rainfall (hrs): 72+
Inspection Date: Illicit Discharge Pot Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH:	tential: Po	otential epth (in):  Floatables: Odor: Turbidity: Color: Gross Solids:	None None None None None None None None	Outfa not ph scree US1.	Il fully submerged ar nysically located. Ou ned upstream at 03-	nd utfall	Outfall Not Located
Temperature Conductivity: Detergents:	° F μS/cm mg/L	Benthic Growth: Stains:		Erosio Depos Dama	sition: None	0 in.	o20100818083116.JPG <b>2010</b>

Inspection Date:	9/9/2009		Type: Initial	Flow:	Submerged (not lo	cated)	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Fully	D	<b>bvious</b> epth (in):	Inspector: JCW		s  I fully submerged an ysically located. Ou		l Outail.
Sampling Results Sample Location: Total Chlorine:	ppm	Odor:	None None		ned upstream at 03-		Not
Free Chlorine: Ammonia: pH:	ppm ppm units	Gross Solids: Vegetation:	None None None	Graffit			Osh09 DSCN6745.JPG
Temperature Conductivity: Detergents:	° F μS/cm mg/L		None None None	Erosio Depos Dama	ition: None	0 in.	2009

03-81 US1 City of Oshkosh

# Structure Type:

Manhole

# **Discharge Location:**

Downstream Outfall

#### NR 216 Class:

Major Outfall - Alternate Location

# Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

# City ID:

03-81

# -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181022151618.JPG

# **Outfall Notes:**

Upstream manhole located approx 115 ft SSW of outfall 03-81. Located behind railroad control shed. Intermediate area consists of open space, street right-of-way and railroad right-of-way.

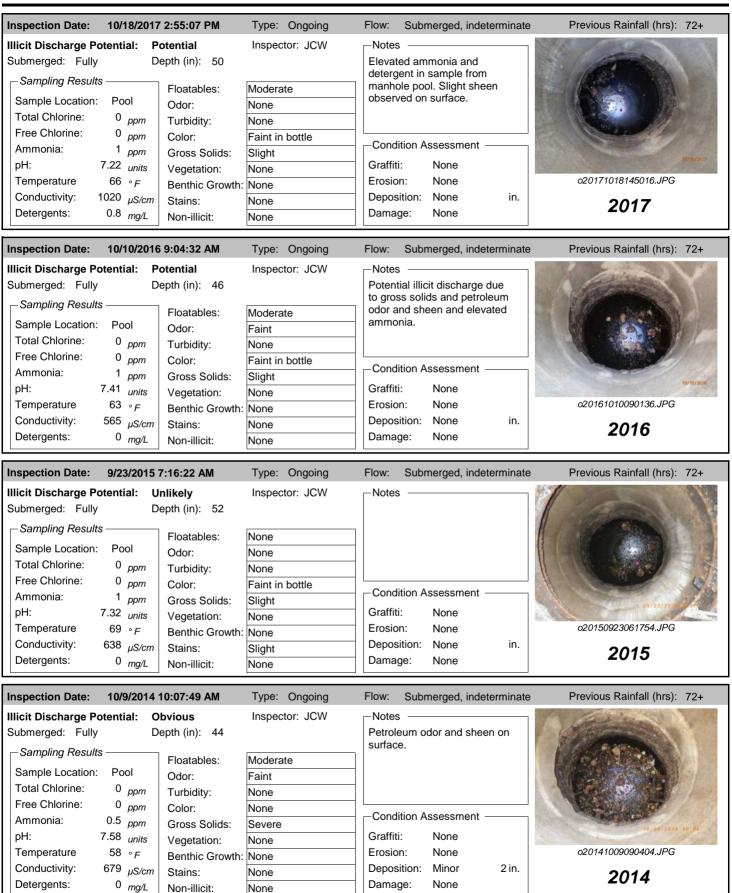
**County Coordinates:** Latitude/Longitude: Northing: 470,599 Latitude: 44.01048

Easting: 793,998 Longitude: -88.53421



Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): 57  Illicit Discharge Potential: Potential  Floatables: None Petrol. Sheen Suds Sewage Algae Other Odor: None Petroleum Musty Sewage Chlorine Other  Turbidity: None	100 M
Illicit Discharge Potential:   Potential   Petrol. Sheen   Suds   Sewage   Algae   Other   Odor:   None   Petroleum   Musty   Sewage   Chlorine   Other   VOC/Solvent   Fishy   Sulfur   Fragrant   Turbidity:   None   None   Other   None   Other   Other	10.10
Floatables: None	
Odor: None Petroleum Musty Sewage Chlorine Other VOC/Solvent Fishy Sulfur Fragrant  Turbidity: None	
Turbidity: None Sulfur Sulfur Fragrant	100
Turbidity: None	
00/0/000/5/000/5/000/500	
Color: None 020181022151626.JPG	
Gross Solids: Moderate	
Vegetation: None	
Benthic Growth: None Green Brown Sample Location: Pool	
Stains: None	
Paint Other Time Collected: 15:17	
Non-illicit: None Natural Sheen Natural Suds/Foam Total Chlorine (field): 0 ppm	
Physical Condition Assessment Free Chlorine (field): 0 ppm	
Graffiti: None Ammonia (field): 0 ppm	
Erosion: None pH (field): 7.62 units	
Deposition: None Depth (in): Temperature (field): 57 ° F	
Damage: None Displacement Undercut Crushed Conductivity (field): 357 μS/cn	n
Corrosion Cracks/Structural Damage Detergents: 0 mg/L	

03-81 US1 City of Oshkosh



Non-illicit:

None

Inspection Date:	10/11/2011	9:46:04 AM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Fully	<b>itential: U</b> i	nlikely epth (in): 38	Inspector: JCW	Notes  2010 screening follow-up. Floatable debris significantly	
Sampling Results Sample Location: Total Chlorine:	Pool	Floatables: Odor:	None None	reduced.	
Free Chlorine:	0 <sub>ppm</sub> 0 <sub>ppm</sub> 0.25 <sub>ppm</sub>	Turbidity: Color:	None None	Condition Assessment	
	7.68 <sub>units</sub>	Gross Solids: Vegetation: Benthic Growth:	Slight None None	Graffiti: None Erosion: None	o20111011094434.JPG
Conductivity: Detergents:	μS/cm mg/L	Stains: Non-illicit:	None None	Deposition: None 0 in. Damage: None	2011
Inspection Date:	5/26/2011 1	11:29:00 AM	Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Fully —Sampling Results	De	nlikely epth (in):	Inspector: JCW	Notes  Limited screening conducted to check for floatable debris.	
Sample Location: Total Chlorine: Free Chlorine:	ppm	Floatables: Odor: Turbidity:	None		
Ammonia: pH: Temperature	ppm ppm units ° F	Color: Gross Solids: Vegetation:	Slight	Condition Assessment  Graffiti: None  Erosion: None	o20110526112952.JPG
Conductivity: Detergents:	μS/cm mg/L	Benthic Growth: Stains: Non-illicit:	None	Deposition: None 0 in. Damage: None	2011
Inspection Date:	8/18/2010 8	8:43:09 AM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Po	De	otential epth (in): 47	Inspector: JCW	Notes Petroleum odor likely from residual petroleum in pipes	
Sampling Results Sample Location: Total Chlorine:	Pool	Floatables: Odor:	None Faint	after 2009 jetting.	
Free Chlorine: Ammonia:	0 <sub>ppm</sub> 0 <sub>ppm</sub> 0 <sub>ppm</sub>	Turbidity: Color: Gross Solids:	None None Moderate	Condition Assessment	
	6.63 <sub>units</sub>	Vegetation: Benthic Growth:	None None	Graffiti: None Erosion: None	o20100818083958.JPG
Conductivity: Detergents:	μS/cm 0 <sub>mg/L</sub>	Stains: Non-illicit:	Moderate None	Deposition: None 0 in. Damage: None	2010
Inspection Date:	9/9/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
				_	
Illicit Discharge Po Submerged: Fully	De	bvious epth (in): 44	Inspector: JCW	Notes Diesel/oil odor, sheen on surface. Floatables with	
Illicit Discharge Po Submerged: Fully Sampling Results Sample Location: Total Chlorine:	Pool 0 ppm		Severe Easily detected None	Diesel/oil odor, sheen on	
Illicit Discharge Po Submerged: Fully  Sampling Results  Sample Location:  Total Chlorine:  Free Chlorine:  Ammonia:	Pool 0 ppm 0 ppm ppm	epth (in): 44  Floatables: Odor: Turbidity: Color: Gross Solids:	Severe Easily detected None Faint in bottle Severe	Diesel/oil odor, sheen on surface. Floatables with grease. Brown/gray color.  Condition Assessment	DE 09 2009 14:14
Illicit Discharge Po Submerged: Fully  Sampling Results  Sample Location:  Total Chlorine:  Free Chlorine:  Ammonia:	Pool 0 ppm 0 ppm	epth (in): 44  Floatables: Odor: Turbidity: Color:	Severe Easily detected None Faint in bottle	Diesel/oil odor, sheen on surface. Floatables with grease. Brown/gray color.	Osh09_DSCN6747.JPG 2009

03-119 City of Oshkosh

Priority Outfall

# Structure Type:

Closed Pipe Outfall

# **Discharge Location:**

Water of the State

#### NR 216 Class:

Major Outfall

# Shape:

Pipe - Elliptical

#### Material:

**RCP** 

# City ID:

N/A

# Dimensions

Diameter (in):

Height/Depth (in): 13

Width (in):

# **Mapping Precison:**

Desktop mapping estimate

✓ Not Physically Located



o20181022140102.JPG

# **Outfall Notes:**

Storm sewer from South Park Ave discharges to lake from west. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

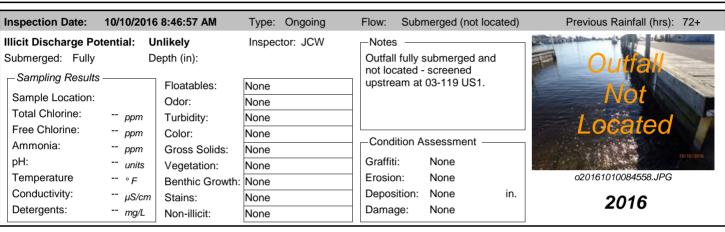
**County Coordinates:** Latitude/Longitude: Northing: 469,179 Latitude: 44.00659 Easting: 793,881 Longitude: -88.53466

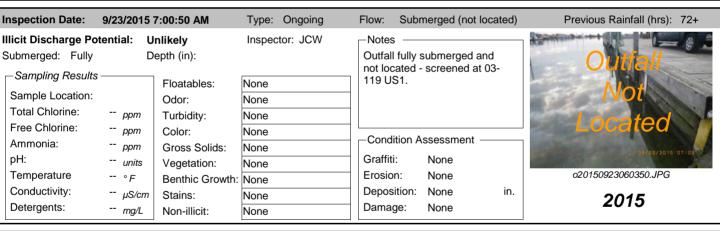


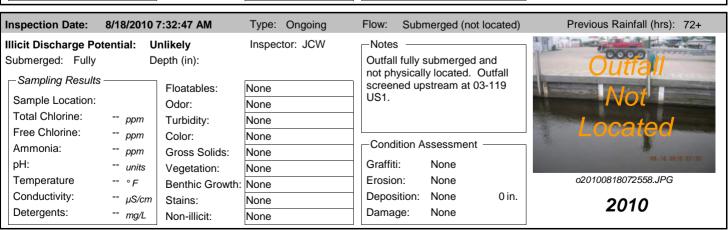
Inspection I	Date:	10/22/2018 2:02:3	BPM Ins	spector:	JCW	Inspectio	n Type:	Ongoing	Previous Rainfall (hrs): 4	18-72
Flow Descri Submerged:	Fully	Submerged (not I  Depth (in otential: Unlikely	-	Notes:		fully submerged upstream	•		Oute	
Floatables: Odor: Turbidity:			Petrol. S Petroleu VOC/So		] Suds ] Musty ] Fishy	Sewage Sewage	e 🔲 Chi	gae	Locat	water.
Gross Solids Vegetation: Benthic Grov Stains:	s: No No wth: No	one one one	Litter Inhibited Green Flow Lir Paint	d	Veg. Deb Excessive Brown Oil Other	e	ment	Other	Sampling Results Sample Location: Sample ID:	
Non-illicit:  —Physical ( Graffiti: Erosion: Deposition Damage:	Condition No	one on Assessment one one one one one one one one Object O	_	ndercut		crushed amage	n		Time Collected: Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field): Detergents:	ppm ppm ppm units ° F μS/cm mg/L

03-119 City of Oshkosh

Inspection Date:	10/18/201	7 2:44:53 PM	Type: Ongoing	Flow:	Subi	merged (not lo	cated)	Previous Rainfall (hrs): 72+
Illicit Discharge Po	tential: \	Jnlikely	Inspector: JCW	-Notes	s —			
Submerged: Fully		Depth (in):				submerged and screened	d	Outfall
Sampling Results		Floatables:	None	upstre	am at	03-119 US1.		Mot
Sample Location:		Odor:	None					Not
Total Chlorine:	ppm	Turbidity:	None					Located
Free Chlorine:	ppm	Color:	None					Located
Ammonia:	ppm	Gross Solids:	None	Cond	ition A	ssessment —		Directo Nick Associable
pH:	units	Vegetation:	None	Graffit	i:	None		Photo Not Available
Temperature	∘ <i>F</i>	Benthic Growth:	None	Erosio	n:	None		
Conductivity:	μS/cm	Stains:	None	Depos	sition:	None	in.	2017
Detergents:	mg/L	Non-illicit:	None	Dama	ge:	None		2017







03-119 City of Oshkosh

Inspection Date: 9/9/2009		Type: Initial	Flow:	Submerged, indete	rminate	Previous Rainfall (hrs): 72+
<b>.</b>	Inlikely Important Inlikely Impo	Inspector: JCW	Condi Graffiti Erosion Deposi Damag	ion Assessment — None None None	in.	Osh09_DSCN6741.JPG 2009

03-119 US1 City of Oshkosh

# Structure Type:

Manhole

# Discharge Location:

Downstream Outfall

# NR 216 Class:

Major Outfall - Alternate Location

#### Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

# City ID:

03-119

#### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181022140334.JPG

#### **Outfall Notes:**

Upstream manhole located approx 245 ft WSW of outfall 03-119. Intermediate area consists of street right-of-way and paved parking area with no observed inlets.

County Coordinates: Latitude/Longitude:

Northing: 469,098 Latitude: 44.00637 Easting: 793,672 Longitude: -88.53545



#### **Inspection Date:** 10/22/2018 2:06:18 PM **JCW** Previous Rainfall (hrs): 48-72 Inspector: Inspection Type: Ongoing Flow Description: Submerged, indeterminate Sample collected from submerged pool in Notes: manhole Submerged: Partially Depth (in): 32 Illicit Discharge Potential: Unlikely Other Petrol. Sheen Suds Sewage Algae Floatables: None Odor: None Petroleum Musty Sewage Chlorine Other ∇OC/Solvent Fishy Sulfur Fragrant Turbidity: None o20181022140340.JPG Color: None Gross Solids: None Litter ☐ Veg. Debris ☐ Sediment ☐ Other 2018 Vegetation: None Inhibited Excessive Sampling Results Benthic Growth: None Green Brown Sample Location: Pool Stains: Flow Line Oil Rust Stains None Sample ID: 181022-74 Paint Other Time Collected: 14:04 Moderate ✓ Natural Sheen Natural Suds/Foam Non-illicit: Total Chlorine (field): 0 ppm Physical Condition Assessment Free Chlorine (field): 0 ppm Graffiti: None Ammonia (field): 0.5 ppm Erosion: pH (field): units None 6.72 ۰F Deposition: None Depth (in): Temperature (field): 60 Damage: None Conductivity (field): 773 μS/cm ☐ Displacement ☐ Undercut Crushed Detergents: 0 mg/L Corrosion Cracks/Structural Damage

03-119 US1 City of Oshkosh



03-119 US1 City of Oshkosh

Inspection Date: 9/9/2009		Type: Initial	Flow:	Submerged,	indeterminate	e Previous Rainfall (hrs): 72+
J	nlikely epth (in): 27	Inspector: JCW	-Notes			
Sampling Results	Floatables:	None				
Sample Location: Pool	Odor:	None	<b>↓</b>			
Total Chlorine: 0 ppm	Turbidity:	None				Rill Co.
Free Chlorine: 0 ppm	Color:	None	_Cond	ition Assessme	ant	
Ammonia: ppm	Gross Solids:	None			SIIL	09 09 2002 244
pH: 7.87 <sub>units</sub>	Vegetation:	None	Graffit	: None		A Marine
Temperature 76 ∘ F	Benthic Growth:	None	Erosio	n: None		Osh09_DSCN6743.JPG
Conductivity: µS/cm	Stains:	None	Depos	ition: None	0 in.	2009
Detergents: 0 mg/L	Non-illicit:	None	Dama	ge: None		2009

03-173 City of Oshkosh

Priority Outfall

# Structure Type:

Closed Pipe Outfall

# **Discharge Location:**

Water of the State

#### NR 216 Class:

Minor Outfall

# Shape:

Pipe - Circular

#### Material:

**RCP** 

# City ID:

N/A

# -Dimensions

Diameter (in): 36

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Desktop mapping estimate

■ Not Physically Located



o20181022131816.JPG

# **Outfall Notes:**

Storm sewer from 16th Ave discharges to lake from west. Outfall fully submerged. GPS coordinates approximate. Pipe info from MS4 map.

**County Coordinates:** Latitude/Longitude:

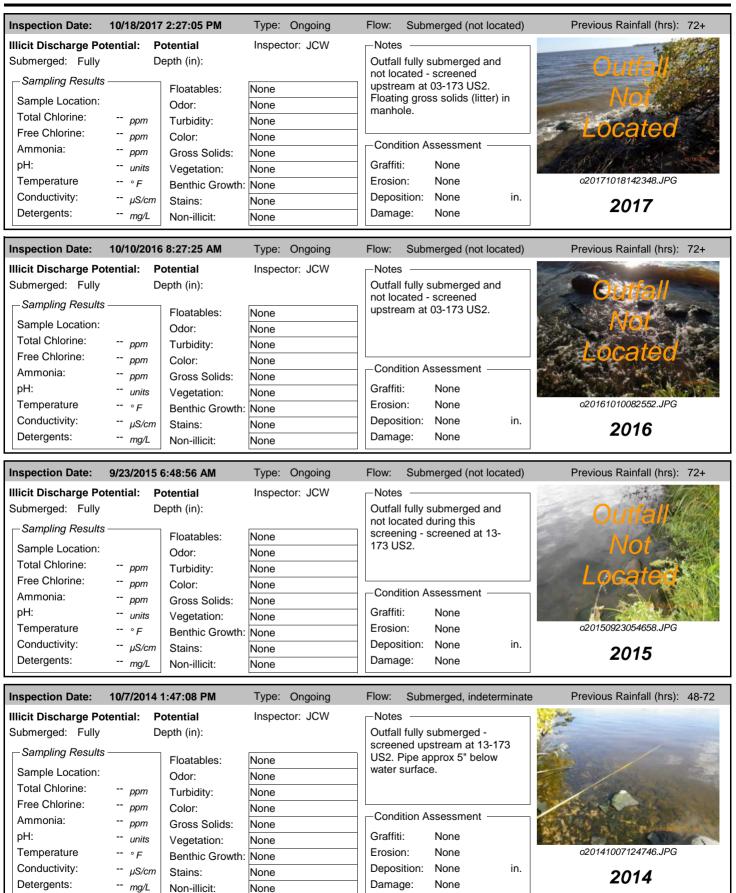
Northing: 468,018 Latitude: 44.00340

Easting: 793,278 Longitude: -88.53695



Inspection	Date: 10	0/22/2018 1:18:4	<b>5 PM</b> In	spector:	JCW	Inspection Type	e: Ongoing	Previous Rainfall (hrs):	48-72
		ubmerged, inde		Notes:		fully submerged an			
Submerged:	Fully	Depth (in	):		gross s	olids (litter) in mant	nole.		
Illicit Disch	arge Poter	ntial: Potential	I						
Floatables:	None		Petrol.	Sheen _	Suds	Sewage .	Algae 🗌 Other		
Odor:	None		Petrole		Musty		Chlorine  Other	7 1 A A A A A A A A A A A A A A A A A A	
Turbidity:	None		☐ VOC/S	olvent	Fishy	Sulfur	Fragrant		10 <del>7 2</del> 00 5
Color:	None							o201810221318	20.JPG
Gross Solids	s: None		Litter	_ \ \	Veg. Deb	oris Sediment	Other	2018	8
Vegetation:	None		Inhibite	d 🗌 l	Excessiv	е	Г	-Sampling Results ———	
Benthic Gro	wth: None		Green		Brown			Sample Location:	
Stains:	None		Flow Li		Oil	Rust Stains		Sample ID:	
			Paint		Other			Time Collected:	
Non-illicit:	None		Natural	Sheen	☐ Natu	ral Suds/Foam		Total Chlorine (field):	ppm
-Physical	Condition A	Assessment —						Free Chlorine (field):	ppm
Graffiti:	None							Ammonia (field):	<i>ppm</i>
Erosion:	None							pH (field):	units
Depositio	n: None	Depth (in):						Temperature (field):	° F
Damage:	None	Displace	ement 🗌 U	ndercut		Crushed		Conductivity (field):	μS/cm
		Corrosio	on 🗌 C	racks/Str	uctural D	amage		Detergents:	mg/L

03-173 City of Oshkosh



03-173 City of Oshkosh

Inspection Date:	10/11/2011	10:11:07 AM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Po	tential: U	nlikely	Inspector: JCW	⊢Notes —	And Property
Submerged: Fully		epth (in):		2010 screening follow-up.	
Sampling Results	:	Floatables:	None	Outfall fully submerged.  Outfall screened upstream at	
Sample Location:		Odor:	None	03-173 US2.	
Total Chlorine:	ppm	Turbidity:	None		
Free Chlorine:	ppm	Color:	None		
Ammonia:	ppm	Gross Solids:	None	Condition Assessment	
pH:	units	Vegetation:	None	Graffiti: None	
Temperature	° <i>F</i>	Benthic Growth:	None	Erosion: None	o20111011101022.JPG
Conductivity:	μS/cm	Stains:	None	Deposition: None 0 in.	2011
Detergents:	mg/L	Non-illicit:	None	Damage: None	2011
In an and an Data	0/47/0040	0 04 00 PM	T	Flows Only many distributed	Draviana Dainfall (has). 70
Inspection Date:		2:04:29 PM	Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Po	tontial. D	otontial	Inchactor: ICM	-Notes	-
•		otential	Inspector: JCW	110100	30
•		epth (in):	mspector. JCVV	Outfall fully submerged and	Outfall 3
•	D	epth (in):	None	110100	Outfall
Submerged: Fully	D			Outfall fully submerged and not physically located. Outfall	Outfall Not
Submerged: Fully  Sampling Results	D	epth (in): Floatables:	None	Outfall fully submerged and not physically located. Outfall screened upstream at 03-173	Not
Submerged: Fully  Sampling Results  Sample Location:	D	epth (in): Floatables: Odor:	None None	Outfall fully submerged and not physically located. Outfall screened upstream at 03-173 US2.	Outfall Not Located
Submerged: Fully  Sampling Results  Sample Location: Total Chlorine:	ppm	epth (in): Floatables: Odor: Turbidity:	None None None	Outfall fully submerged and not physically located. Outfall screened upstream at 03-173	Not
Submerged: Fully  Sampling Results  Sample Location:  Total Chlorine:  Free Chlorine:	ppm ppm	epth (in):  Floatables: Odor: Turbidity: Color:	None None None	Outfall fully submerged and not physically located. Outfall screened upstream at 03-173 US2.	Not

Deposition: None

None

Damage:

0 in.

2010

Conductivity:

Detergents:

-- μS/cm

-- mg/L

Stains:

Non-illicit:

None

None

# Structure Type:

Manhole

# **Discharge Location:**

Downstream Outfall

#### NR 216 Class:

Minor Outfall - Alternate Location

# Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

# City ID:

03-173

# -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181022132138.JPG

# **Outfall Notes:**

Upstream manhole located approx 18 ft W of outfall 03-173. Intermediate area consists of shoreline. Bolted lid - could not access.

**County Coordinates:** Latitude/Longitude:
Northing: 468,023 Latitude: 44.00341

Easting: 793,260 Longitude: -88.53701

# E 014TH FOURTEENTH) AVE 03-592 03-293 03-293 W015TH FF TEENTH) AVE W015TH SEXTEENTH) AVE A 03-173

Inspection	Date:	10/22/2018 1:24:	38 PM In	spector:	JCW	Inspection Ty	уре:	Ongoing	Previous Rainfall (hrs):	48-7	72
Flow Descr Submerged:		n: Submerged, inde		Notes:	locked (	e 03-173 US2 in gate). Floating gi e, including 2 sy	ross s	olids (litter) in			
Illicit Disch	arge	Potential: Potentia	ıl								
Floatables:	None	Э	Petrol.	Sheen _	Suds	Sewage	Alga	ae 🗌 Other		6.	
Odor:	None	Э	Petrole		Musty	Sewage	_	orine   Other			
Turbidity:	None	<del></del>	☐ VOC/S	Solvent	Fishy	Sulfur	Fraç	grant		Ta M	orzanou.
Color:	None	e							o2018102213	2154.JF	PG
Gross Solids	s:	Moderate	✓ Litter		Veg. Debi	ris 🗌 Sedimen	nt 🗌	Other	201	8	
Vegetation:		None	Inhibite	ed 🔲 I	Excessive	)			Sampling Results ——		
Benthic Gro	wth:	None	Green		Brown				Sample Location: Poo	ol	
Stains:		None	Flow L		Oil	Rust Sta	ains		·	022-63	3
			Paint		Other				Time Collected: 13::	23	
Non-illicit:		None	☐ Natura	l Sheen	☐ Natur	al Suds/Foam			Total Chlorine (field):	0	ppm
-Physical (	Cond	ition Assessment —							Free Chlorine (field):	0	ppm
Graffiti:		None							Ammonia (field):	0	ppm
Erosion:		None							pH (field):	7.18	units
Depositio	n:	None Depth (in)							Temperature (field):	59	°F
Damage:		None Displa	ement 🗌 l	Jndercut	□ C	rushed			Conductivity (field):	1229	μS/cm
		Corros	ion 🗌 (	Cracks/Str	uctural Da	amage			Detergents:	0	mg/L

Inspection Date:	8/17/2010	2:07:11 PM	Type: Ongoing	Flow:	Submer	ged, indete	rminate	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Fully	D	otential epth (in):	Inspector: JCW			tight - could	d	
Sampling Results Sample Location: Total Chlorine:	ppm	Odor:	None None None	upstre	eam at 03-	-173 US2.		
Free Chlorine: Ammonia: pH:	ppm ppm	Gross Solids:	None None	- Cond	lition Asse	essment —		
Temperature Conductivity:	units ° F μS/cm	Benthic Growth:	None None	Erosio Depos	on: No	one one	0 in.	o20100817135854.JPG <b>2010</b>
Detergents:	mg/L	Non-illicit:	None	Dama	ge: M	oderate		2010

03-173 US2 City of Oshkosh

# Structure Type:

Manhole

# **Discharge Location:**

Downstream Outfall

#### NR 216 Class:

Minor Outfall - Alternate Location

# Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

# City ID:

03-170

# -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20171018142550.JPG

# **Outfall Notes:**

Upstream manhole located approx 113 ft W of outfall 03-173. Intermediate area consists of shoreline, railroad right-of-way and paved parking area.

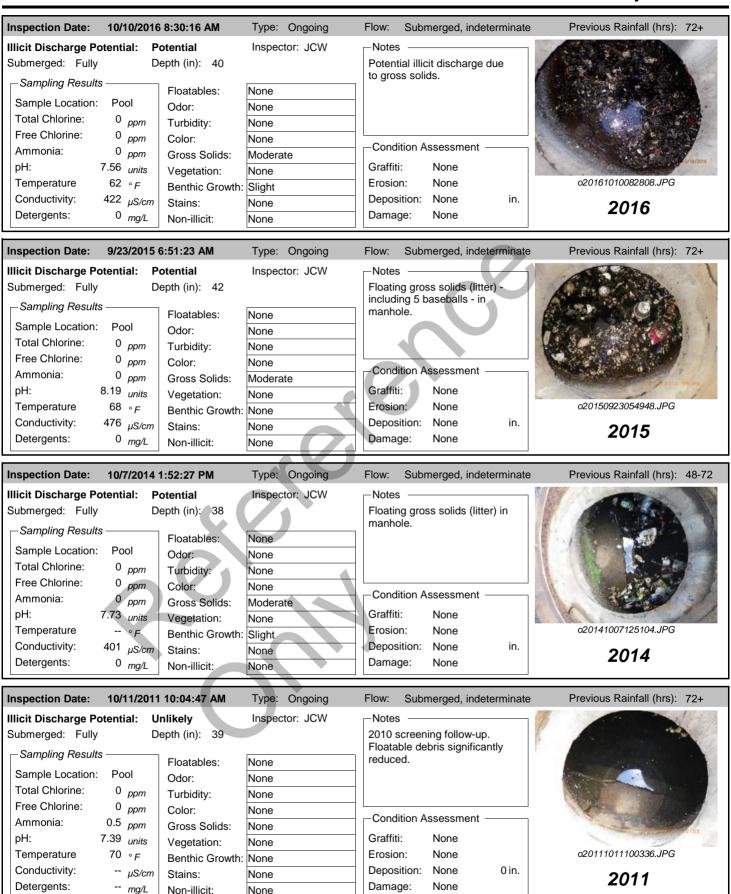
County Coordinates: Latitude/Longitude:
Northing: 468,043 Latitude: 44.00347

Northing: 468,043 Latitude: 44.00347 Easting: 793,166 Longitude: -88.53737

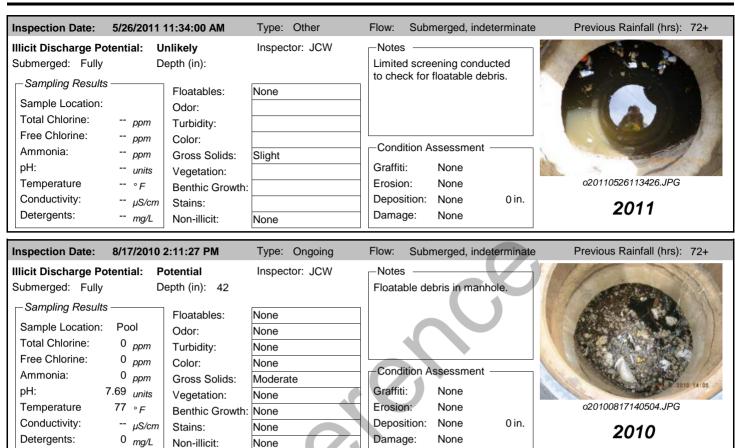


Inspection Date: 10/18/2017 2:31:11 PM Inspector: JCW Inspection Type: Ongoing	Previous Rainfall (hrs): 72+
Flow Description: Submerged, indeterminate Submerged: Fully Depth (in): 41  Boundary  Bounda	
Floatables: None Petrol. Sheen Suds Sewage Algae Other Odor: None Petroleum Musty Sewage Chlorine Other Turbidity: None Color: None	
Gross Solids: Moderate  Vegetation: None  Benthic Growth: None  Stains: Severe  Litter  Veg. Debris Sediment Other  Sediment Other  Other  Other  Other  Other	2017  -Sampling Results  Sample Location: Pool  Sample ID: 171018-66
Non-illicit: None Natural Sheen Natural Suds/Foam  Physical Condition Assessment  Graffiti: None Erosion: None Deposition: None Depth (in): Damage: None Displacement Undercut Crushed Corrosion Cracks/Structural Damage	Time Collected: 14:25  Total Chlorine (field): 0 ppm  Free Chlorine (field): 0 ppm  Ammonia (field): 0 ppm  pH (field): 7.98 units  Temperature (field): 67 ° F  Conductivity (field): 437 µS/cm  Detergents: 0 mg/L

03-173 US2 City of Oshkosh



03-173 US2 City of Oshkosh



03-306 City of Oshkosh

Non-Priority Non-Major Outfall

# Structure Type:

Closed Pipe Outfall

# Discharge Location:

Water of the State

#### NR 216 Class:

Minor Outfall

# Shape:

Pipe - Circular

#### Material:

**RCP** 

# City ID:

N/A

# -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Desktop mapping estimate

■ Not Physically Located



o20181022133904.JPG

# **Outfall Notes:**

Storm sewer from E 15th Ave discharges to lake from west. Original 27" CMP replaced prior to 2018 screening.

County Coordinates: Latitude/Longitude:

Northing: 468,393 Latitude: 44.00443 Easting: 793,444 Longitude: -88.53632



Inspection	Date:	10/22/2018 1:40:3	<b>6 PM</b> In	spector:	JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	48-72
Flow Descr	iption:	Submerged, inde	terminate	Notes:		fully submerged - sci	reened upstream		
Submerged:	Fully	Depth (in	):		at 03-3	06 US1.		40	
Illicit Disch	arge P	otential: Unlikely							- JAMES LA
Floatables:	None		Petrol.	Sheen [	Suds	Sewage Al	lgae		
Odor:	None		Petrole	_	Musty		hlorine  Other		/ / / / / / / / / / / / / / / / / / /
Turbidity:	None		☐ VOC/S	olvent _	Fishy	Sulfur Fr	ragrant		
Color:	None							0201810221339	18.JPG
Gross Solids	s: N	one	Litter		Veg. Deb	oris Sediment	Other	2018	3
Vegetation:	N	one	Inhibite	d 🗌	Excessiv	е	_	Sampling Results ———	
Benthic Gro	wth: N	one	Green		Brown			Sample Location:	
Stains:	N	one	Flow Li	ne 🗌	Oil	Rust Stains		Sample ID:	
			Paint		Other			Time Collected:	
Non-illicit:	N	one	☐ Natural	Sheen	☐ Natu	ral Suds/Foam		Total Chlorine (field):	ppm
-Physical (	Conditi	on Assessment —	•					Free Chlorine (field):	ppm ppm
Graffiti:	N	one						Ammonia (field):	<i>ppm</i>
Erosion:	N	one						pH (field):	units
Depositio	n: N	one Depth (in):						Temperature (field):	° <i>F</i>
Damage:	N	one Displac	ement U	ndercut		Crushed		Conductivity (field):	μS/cm
		Corrosi	on 🗌 C	racks/St	ructural D	Damage		Detergents:	mg/L

03-306 City of Oshkosh

Inspection Date:	8/17/2010	2:28:30 PM	Type: Ongoing	Flow:	Submerged (not	located)	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Fully		nlikely epth (in):	Inspector: JCW		s ————————————————————————————————————		Outfall
Sampling Results Sample Location:	3		None None		ned upstream at 03		Not
Total Chlorine:	ppm		None				Located
Free Chlorine: Ammonia:	ppm ppm		None None	Cond	ition Assessment		Lovatou
pH: Temperature	units	Vegetation:	None	Graffit Erosio			o20100817142148.JPG
Conductivity:	° F μS/cm	Benthic Growth: Stains:	None None	Depos		0 in.	2010
Detergents:	mg/L	Non-illicit:	None	Dama	ge: None		2010

# Structure Type:

Manhole

# Discharge Location:

Downstream Outfall

#### NR 216 Class:

Minor Outfall - Alternate Location

# Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

# City ID:

03-306

# -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

☐ Not Physically Located



o20181022134120.JPG

# **Outfall Notes:**

Upstream manhole located approx 63 ft W of outfall 03-306. Intermediate area consists of open space. May have been upgraded prior to 2018 screening.

County Coordinates: Latitude/Longitude:

Northing: 468,396 Latitude: 44.00444 Easting: 793,380 Longitude: -88.53656



Inspection	Date:	10/22/2018 1:41:5	<b>2 PM</b> In	spector:	JCW	Inspection	n Type:	Ongoing	Previous Rainfall (hrs):	48-7	72
Flow Descr	ription:	Submerged, inde	terminate	Notes:	Sample	e collected from	om subm	erged pool.			
Submerged	: Fully	Depth (in	): 66							1.	
Illicit Disch	arge Pot	tential: Unlikely									: 1000
Floatables:	None		Petrol.	Sheen [	Suds	Sewage	e 🗌 Alg	gae 🗌 Othe	r		
Odor:	None		Petrole	_	Musty	Sewage		lorine  Othe	r		
			□ VOC/S	olvent	Fishy	Sulfur	Fra	agrant		AR.	30/22/3048
Turbidity:	None								-0040400040	4400.45	20
Color:	None								o2018102213 <sub>-</sub>	4128.JF	G
Gross Solid	s: Slig	jht	Litter	✓	Veg. Deb	oris 🗌 Sedi	ment _	Other	201	8	
Vegetation:	Nor	ne	Inhibite	d 🗌	Excessiv	е		Γ	-Sampling Results		
Benthic Gro	wth: Nor	ne	Green		Brown				Sample Location: Poo	al.	
Stains:	Nor	ne	Flow Li	ne 🗌	Oil	Rust	Stains		•	,, 022-7:	9
			Paint		Other					-	3
Non-illicit:	Nor	ne .	Natural	Sheen	□ Natu	ral Suds/Foa	m		Time Collected: 13:	42	
			Natural	Oncon	reacu	rai Oddoir od			Total Chlorine (field):	0	ppm
'		n Assessment —							Free Chlorine (field):	0	ppm
Graffiti:	Nor								Ammonia (field):	0	ppm
Erosion:	Nor	ne							pH (field):	7.55	units
Depositio	n: Nor	ne Depth (in):							Temperature (field):	57	°F
Damage:	Nor	ne 🗌 Displace	ement 🗌 U	Indercut		Crushed			Conductivity (field):	368	μS/cm
		Corrosio	on 🗌 C	racks/St	ructural D	Damage			Detergents:	0	mg/L

Inspection Date:	8/17/2010 2	2:28:30 PM	Type: Ongoing	Flow:	Submerged, indete	erminate	Previous Rainfall (hrs): 72+
Illicit Discharge Pot	ential: U	nlikely	Inspector: JCW	-Notes	s ———		0
Submerged: Partial	,	epth (in): 13			n manhole rings allo ials to enter manhole		
Sampling Results		Floatables:	None	below	casting.		
Sample Location:	Pool	Odor:	None	1			
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None				
Free Chlorine:	0 <sub>ppm</sub>	Color:	None	1 🖵			8-
Ammonia:	0 <sub>ppm</sub>	Gross Solids:	None	Cond	ition Assessment —		
pH: 7	.55 <sub>units</sub>	Vegetation:	None	Graffit	i: None		24
Temperature	76 ∘ <sub>F</sub>	Benthic Growth:	None	Erosic	n: None		o20100817142402.JPG
Conductivity:	μS/cm	Stains:	Slight	Depos	sition: None	0 in.	2010
Detergents:	0 mg/L		None	Dama	ge: Minor		2010

03-379 City of Oshkosh

Non-Priority Non-Major Outfall

# Structure Type:

Closed Pipe Outfall

# **Discharge Location:**

Water of the State

#### NR 216 Class:

Minor Outfall

# Shape:

Pipe - Circular

#### Material:

Manhole - concrete

# City ID:

N/A

# -Dimensions

Diameter (in): 10

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Desktop mapping estimate

✓ Not Physically Located



o20181022153738.JPG

# **Outfall Notes:**

Storm sewer from Pioneer Dr discharges to river from south. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

**County Coordinates:** Latitude/Longitude:

Northing: 471,196 Latitude: 44.01212

Northing: 471,196 Latitude: 44.01212 Easting: 793,423 Longitude: -88.53640



Inspection	Date: 10/2	2/2018 3:39:00 PM In	spector: JC	CW Inspection	on Type:	Ongoing	Previous Rainfall (hrs):	48-72
Submerged	: Fully	Depth (in):	loc	utfall fully submer cated. Outfall scr '9 US1.	0	, , ,	Outf	all
	None None None None			usty Sewag	e Ch	gae	O201810221533	
Gross Solid: Vegetation: Benthic Gro Stains:	None	Litter Inhibite Green Flow Li Paint	ed Exce	essive wn Rust	ment	Other	Sampling Results  Sample Location: Sample ID:	8
Non-illicit:  —Physical  Graffiti: Erosion: Depositio Damage:		Depth (in):	I Sheen   Jndercut Cracks/Structu	Natural Suds/Foa  Crushed  ural Damage	am		Time Collected: Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field): Detergents:	ppm ppm ppm units ° F μS/cm mg/L

03-379 City of Oshkosh

Inspection Date:	8/18/2010 9	9:16:18 AM	Type: Ongoing	Flow:	Submerged (not le	ocated)	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Fully	D	nlikely epth (in):	Inspector: JCW		s ————————————————————————————————————		Outfall
Sampling Results Sample Location: Total Chlorine:	ppm	Odor:	None None None	screei US1.	ned upstream at 03-	-379	Not
Free Chlorine: Ammonia: pH: Temperature	ppm ppm units ° F	Gross Solids: Vegetation:	None None None	- Cond Graffit			020100818090718JPG
Conductivity: Detergents:	μS/cm mg/L		None None	Depos	sition: None	0 in.	2010

# Structure Type:

Inlet/Catchbasin

# **Discharge Location:**

Downstream Outfall

#### NR 216 Class:

Minor Outfall - Alternate Location

#### Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

# City ID:

03-379

#### ─Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181022153928.JPG

#### **Outfall Notes:**

Upstream curb inlet located approx 39 ft SW of outfall 03-379. Intermediate area consists of open space and street right-of-way.

County Coordinates: Latitude/Longitude:
Northing: 471,164 Latitude: 44.01203
Easting: 793,401 Longitude: -88.53649

# 08-279 08-100 08-937 08-1042 08-271 03-35 03-379 03-379 03-381

**Location Map** 

#### Inspection Type: Ongoing **Inspection Date:** 10/22/2018 3:41:52 PM **JCW** Previous Rainfall (hrs): 48-72 Inspector: Flow Description: Sample collected from submerged pool in Submerged, indeterminate Notes: catchbasin. Submerged: Fully Depth (in): 28 Illicit Discharge Potential: Unlikely Petrol. Sheen Suds Sewage Algae Other Floatables: None Odor: Faint Petroleum Musty Sewage Chlorine Other ∇OC/Solvent Fishy ✓ Sulfur Fragrant Turbidity: None o20181022153938.JPG Color: None Gross Solids: None Litter ☐ Veg. Debris ☐ Sediment ☐ Other 2018 Vegetation: None Inhibited Excessive Sampling Results Benthic Growth: None Green Brown Sample Location: Pool Stains: Flow Line Oil Rust Stains None Sample ID: 181022-88 Paint Other Time Collected: 15:40 Slight ✓ Natural Sheen Natural Suds/Foam Non-illicit: Total Chlorine (field): 0 ppm Physical Condition Assessment Free Chlorine (field): 0 ppm Graffiti: None Ammonia (field): 0.5 ppm Erosion: pH (field): 6.55 units None ۰F Deposition: None Depth (in): Temperature (field): 56 Damage: None Conductivity (field): 802 μS/cm ☐ Displacement ☐ Undercut Crushed Detergents: 0 mg/L Corrosion Cracks/Structural Damage

Inspection Date:	8/18/2010 9	):18:35 AM	Type: Ongoing	Flow:	Submerge	ed, indeterr	ninate	e Previous Rainfall (hrs): 72+
Illicit Discharge Pot Submerged: Fully	De	nlikely epth (in): 25	Inspector: JCW	-Notes				
Sampling Results		Floatables:	Slight					
Sample Location:	Pool	Odor:	None					
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None					
Free Chlorine:	0 <sub>ppm</sub>	Color:	Faint in bottle					
Ammonia:	0 <sub>ppm</sub>	Gross Solids:	None	Cond	tion Asses	sment —		
pH: 7	7.37 <sub>units</sub>	Vegetation:	None	Graffiti	: Nor	ne		08.18.2010 09:11
Temperature	76 ∘ <sub>F</sub>	Benthic Growth:	None	Erosio	n: Nor	ne		o20100818091114.JPG
Conductivity:	μS/cm	Stains:	None	Depos	ition: Nor	ne (	0 in.	2010
Detergents:	0 <sub>mg/L</sub>		Slight	Damag	ge: Nor	ne		2010

03-381 City of Oshkosh

Priority Outfall

# Structure Type:

Closed Pipe Outfall

# **Discharge Location:**

Water of the State

#### NR 216 Class:

Minor Outfall

# Shape:

Pipe - Circular

#### Material:

CMP

# City ID:

N/A

# -Dimensions

Diameter (in): 10

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Desktop mapping estimate

✓ Not Physically Located



o20181022150202.JPG

# **Outfall Notes:**

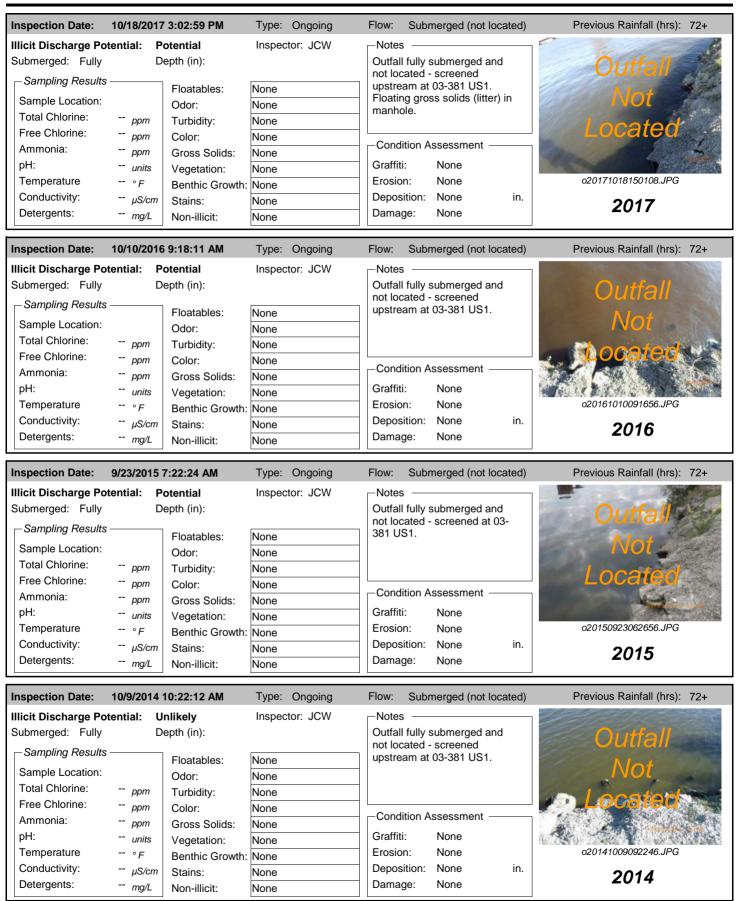
Pioneer Dr storm sewer discharges to river from south. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:Latitude/Longitude:Northing:470,924Latitude:44.01137Easting:793,775Longitude:-88.53506



Inspection	Date: 10/2	2/2018 3:03:58 PM	nspector: .	JCW Inspe	ction Type:	Ongoing	Previous Rainfall (hrs): 48	-72
Flow Descr Submerged:	•	merged (not located)  Depth (in):		Outfall fully subm screened upstrea gross solids (litte	am at 03-38	1 US1. Floating	Outfal	
Floatables: Odor:	None None	Petro	eum 🔲 N	Suds Sew Musty Sew Fishy Sulf	/age 🗌 Ch	gae Other	Not. Locate	d.
Turbidity: Color:	None None						020181022150212.	IPG
Gross Solids	s: None	Litter	☐ Ve	eg. Debris 🗌 S	ediment [	Other	2018	
Vegetation: Benthic Gro Stains:	None wth: None None	☐ Inhibi ☐ Greer ☐ Flow ☐ Paint	Br	xcessive rown il  R ther	ust Stains		Sampling Results  Sample Location:  Sample ID:  Time Collected:	
	None Condition Ass		al Sheen	Natural Suds/F	Foam		Total Chlorine (field):	- ppm
Graffiti: Erosion: Depositio Damage:	None None n: None None	Depth (in):  Displacement Corrosion	Undercut Cracks/Struc	Crushed			Ammonia (field): pH (field): Temperature (field): Conductivity (field): Detergents:	μο, σ

03-381 City of Oshkosh



03-381 City of Oshkosh

Illicit Discharge Potential: Unlikely   Inspector: JCW   Submerged: Fully   Depth (in):   Depth (i								
Submerged: Fully Depth (in):    Sampling Results   Sample Location: Total Chlorine: ppm   Floatables: None   Odor: None   Color: None   Color: None   Color: None   Color: None   Conductivity: units   Conductivity: ups/cm   Detergents: mg/L   Non-illicit: None   Color: None   Conductivity: None   Conductivity: None   Conductivity: None   Conductivity: None   Conductivity: pmg/L   None   Conductivity: None   Cond	Inspection Date:	10/11/2011	9:56:37 AM	Type: Ongoing	Flow:	Submerged (not located)	Previous Rainfall (hrs): 72+	
Sampling Results Sample Location: Total Chlorine: ppm Free Chlorine: ppm Ammonia: ppm Gross Solids: None None None None None None None None	· ·			Inspector: JCW	2010	screening follow-up.	Outfalt	
Submerged: Fully Depth (in):  Sampling Results Sample Location: Total Chlorine: ppm  Inspector: JCW Outfall fully submerged and not physically located. Outfall screened upstream at 03-381 US1.	Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity:	ppm ppm ppm units ° F μS/cm	Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains:	None None None None None None None None	not pl scree US1.	dition Assessment  Ti: None On: None Sition: None 0 in.	o20111011095540.JPG	
Submerged: Fully Depth (in):  Sampling Results  Sample Location: Total Chlorine: ppm  Depth (in):  Depth (in):  None  Outfall fully submerged and not physically located. Outfall screened upstream at 03-381 US1.	nspection Date:	8/18/2010	8:59:26 AM	Type: Ongoing	Flow:	Submerged (not located)	Previous Rainfall (hrs): 72+	
Sample Location: Total Chlorine: ppm  Turbidity:  None  None  None  None  Turbidity:  None  None  None  None  None  None  None	Illicit Discharge Pot	tential: P	otential	Inspector: JCW	Note	s —		
Sample Location: Total Chlorine: ppm Floatables: None Odor: None Turbidity: None Screened upstream at 03-381 US1.	,		epth (in):				Outfall	
Total Chlorine: ppm Turbidity: None None	Sample Location: Ploatables: Odor:		None	scree		Alada		
ρριτί Turbidity. INone			None	US1.		NOUS		
		Turbidity:	None			Legated		
Free Chlorine: ppm Color: None Condition Assessment	Free Chlorine: ppm Color: None					tition Assessment -	LUCGICU	

Condition Assessment

None

None

None

None

0 in.

o20100818085058.JPG

2010

Graffiti:

Erosion:

Damage:

Deposition:

Stains:

Non-illicit:

Gross Solids:

Benthic Growth: None

Vegetation:

-- ppm

-- units

-- ∘*F* 

-- μS/cm

-- mg/L

Ammonia:

Temperature

Conductivity:

Detergents:

рН:

None

None

None

None

03-381 US1 City of Oshkosh

# Structure Type:

Inlet/Catchbasin

# **Discharge Location:**

Downstream Outfall

#### NR 216 Class:

Minor Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

# City ID:

03-381

## -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181022150338.JPG

# **Outfall Notes:**

Upstream curb inlet located approx 21ft SW of outfall 03-381. Intermediate area consists of open space and street right-of-way.

**County Coordinates:** Latitude/Longitude: Northing: 470,910 Latitude: 44.01134

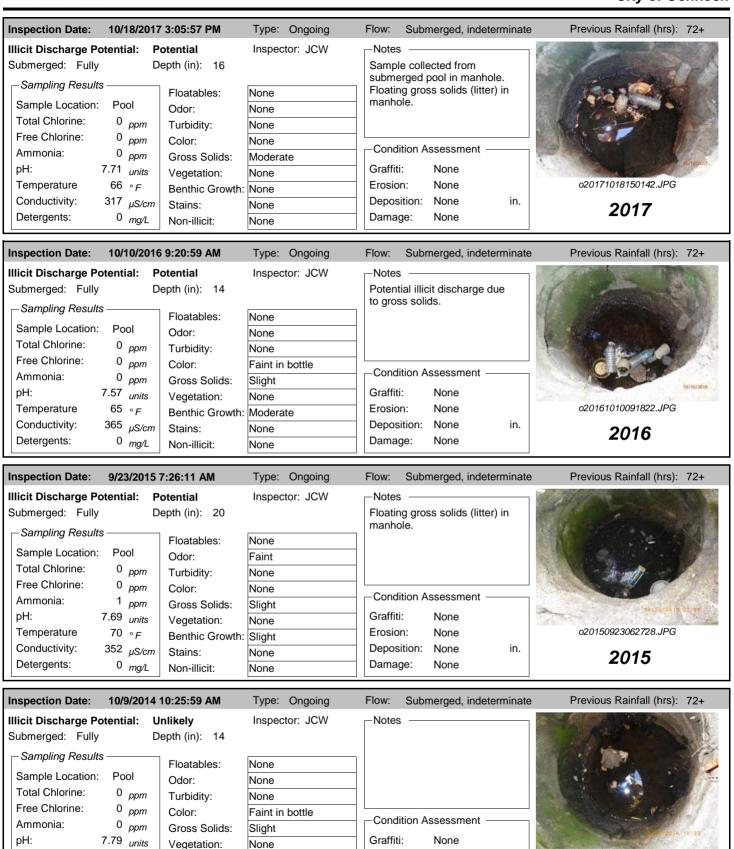
Easting: 793,760 Longitude: -88.53512





Inspection	Date: 10/2	<b>2/2018 3:06:47 PM</b> In	spector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	48-72
Flow Descr Submerged:	-	merged, indeterminate  Depth (in): 14		ple collected from subr nole. Floating gross sol nole.	0 1		
Floatables:	None	Petrol.	Sheen Suds		lgae		
Odor:	None	Petrole  VOC/S		, _ , _	hlorine  Other  Other	1	
Turbidity:	None					State of the same	
Color:	None					o20181022150	350.JPG
Gross Solid	s: Slight	<b>✓</b> Litter	✔ Veg. D	ebris Sediment	Other	201	8
Vegetation:	None	Inhibite	ed Excess	sive	Г	Sampling Results ———	
Benthic Gro	wth: Slight	✓ Green	Brown			Sample Location: Poo	1
Stains:	None	☐ Flow Li	ne Oil Other	Rust Stains		Sample ID: 1810	022-82
Non-illicit:	Slight	✓ Natural	Sheen Na	tural Suds/Foam			
⊢Physical	Condition Ass	essment —				Total Chlorine (field): Free Chlorine (field):	0 ppm 0 ppm
Graffiti:	None					Ammonia (field):	0 ppm
Erosion:	None					` ,	6.73 units
Depositio	n: None	Depth (in):				Temperature (field):	59 ° <i>F</i>
Damage:	None		Indercut [ Cracks/Structura	Crushed I Damage		Conductivity (field): Detergents:	877 μS/cm 0 mg/L

03-381 US1 City of Oshkosh



Erosion:

Damage:

Deposition:

None

Minor

None

2 in.

o20141009092338.JPG

2014

Temperature

Conductivity:

Detergents:

57 ∘<sub>F</sub>

μS/cm

0 mg/L

408

Benthic Growth:

Stains:

Non-illicit:

Slight

None

Moderate

03-381 US1 City of Oshkosh

Inspection Date:	10/11/2011	9:52:43 AM	Type: Ongoing	Fle	ow: Sub	omerged, inc	determinate	Previous Rainfall (hrs): 72+
Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:	D	rolikely epth (in): 12  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	None Faint None None None None None None None None		loatable deduced.	ning follow-uebris significations  Assessment None None None None None	cantly	o20111011095140.JPG 2011
Inspection Date: Illicit Discharge Po Submerged: Fully  Sampling Results Sample Lection:	<b>tential: U</b>	nlikely epth (in): Floatables:	Type: Other Inspector: JCW None	i	Notes — imited scr	eening cond	lucted	Previous Rainfall (hrs): 72+

Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:	ppm Cold ppm Gro units Veg °F Ben μS/cm Stair	or: ss Solids: Slight etation: thic Growth:	Condition Assessment  Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	o20110526112736.JPG <b>2011</b>
Inspection Date:	8/18/2010 9:03:5	59 AM Type: Ongoin	ng Flow: Submerged, indeterminate	e Previous Rainfall (hrs): 72+
Illicit Discharge Po				
Submerged: Fully  Sampling Results	:	(in): 13	Floating debris, slight oil sheen in manhole.	

l	-Sampling Result	6			sheen in ma	nhole.		
l	, ,		Floatables:	Moderate				
l	Sample Location:	Pool	Odor:	Faint				
l	Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None				
l	Free Chlorine:	0 <sub>ppm</sub>	Color:	Faint in bottle	O = == 1111 = == A			١
l	Ammonia:	0 <sub>ppm</sub>	Gross Solids:	Moderate	Condition A	ssessment –		
l	pH:	7.13 <sub>units</sub>	Vegetation:	None	Graffiti:	None		
l	Temperature	72 ∘ <sub>F</sub>	Benthic Growth:	None	Erosion:	None		
l	Conductivity:	μS/cm	Stains:	None	Deposition:	None	0 in.	
l	Detergents:	0 <sub>mg/L</sub>	Non-illicit:	None	Damage:	None		

08 18.2010 08:51 o20100818085124.JPG

2010

03-382 City of Oshkosh

Non-Priority Non-Major Outfall

# Structure Type:

Open Channel Outfall

# **Discharge Location:**

Water of the State

## NR 216 Class:

Minor Outfall

# Shape:

Pipe - Circular

## Material:

CMP

# City ID:

N/A

## -Dimensions

Diameter (in): 12

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181022145524.JPG

# **Outfall Notes:**

Storm sewer from Pioneer Dr discharges to Fox River from corner.

County Coordinates:Latitude/Longitude:Northing:470,612Latitude:44.01052Easting:794,159Longitude:-88.53360





Inspection	Date: 10/22	/2018 2:57:37 PM	Inspector:	JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	48-72
Flow Descr	iption: Subm	nerged, indeterminate	Notes:		fully submerged - scr	eened upstream		-
Submerged:	Fully	Depth (in): 12		at 03-38	32 US1.			
Illicit Disch	arge Potential	: Unlikely						
Floatables:	None	Petr	ol. Sheen 🗌	Suds	Sewage Al	gae		
Odor:	None		oleum [	Musty Fishy		hlorine Other		607
Turbidity:	None		/Solvent	FISHY	Sullul FI	agrant		Nazioni .
Color:	None						o2018102214553	36.JPG
Gross Solids	s: None	Litte	r 🗌 \	/eg. Deb	ris Sediment	Other	2018	}
Vegetation:	None	Inhit	oited 🗌 E	Excessive	е	Г	Sampling Results ———	
Benthic Gro	wth: None	Gree	en 🗌 E	Brown			Sample Location:	
Stains:	None	Flow		Oil	Rust Stains		Sample ID:	
		Pain	t [] (	Other			Time Collected:	
Non-illicit:	None	☐ Natu	ral Sheen	Natur	ral Suds/Foam		Total Chlorine (field):	ppm
-Physical (	Condition Asse	ssment —					Free Chlorine (field):	ppm
Graffiti:	None						Ammonia (field):	<i>ppm</i>
Erosion:	None						pH (field):	units
Depositio	n: None	Depth (in):					Temperature (field):	° F
Damage:	None	Displacement	Undercut	□ C	Crushed		Conductivity (field):	μS/cm
		Corrosion	Cracks/Str	uctural D	amage		Detergents:	mg/L

03-382 City of Oshkosh

Inspection Date:	8/18/2010	8:25:27 AM	Type: Ongoing	Flow:	Submerged, in	ndeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Pot Submerged: Partial		nlikely epth (in): 9	Inspector: JCW		s ————————————————————————————————————		
Sampling Results Sample Location:			None None		2 US1.		
Total Chlorine: Free Chlorine:	ppm ppm		None None				
Ammonia: pH:	ppm	Gross Solids:	None	- Cond	dition Assessme ti: None	nt —	to interest the
Temperature	units ° F	3	None Moderate	Erosio			o20100818082054.JPG
Conductivity: Detergents:	μS/cm mg/L		Moderate None	Depos Dama		0 in.	2010

03-382 US1 City of Oshkosh

## Structure Type:

Inlet/Catchbasin

# Discharge Location:

Downstream Outfall

#### NR 216 Class:

Minor Outfall - Alternate Location

#### Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

# City ID:

03-382

#### Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

## **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181022145744.JPG

#### **Outfall Notes:**

Upstream curb inlet located approx 57 ft WSW of outfall 03-382. Intermediate area consists of open space and street right-of-way.

County Coordinates: Latitude/Longitude:
Northing: 470,592 Latitude: 44.01046
Easting: 794,108 Longitude: -88.53380



#### **Inspection Date:** 10/22/2018 3:00:13 PM Inspector: **JCW** Previous Rainfall (hrs): 48-72 Inspection Type: Ongoing Flow Description: Notes: Inlet dry at time of inspection. None Submerged: None Depth (in): Illicit Discharge Potential: Unlikely Petrol. Sheen Suds Sewage Algae Other Floatables: None Odor: None Petroleum Musty Sewage Chlorine Other ∇OC/Solvent Fishy Sulfur Fragrant Turbidity: None o20181022145752.JPG Color: None Gross Solids: None Litter ☐ Veg. Debris ☐ Sediment ☐ Other 2018 Vegetation: None Inhibited Excessive Sampling Results Benthic Growth: None Green Brown Sample Location: Stains: Flow Line Oil Rust Stains None Sample ID: Paint Other Time Collected: Natural Sheen Natural Suds/Foam Non-illicit: None Total Chlorine (field): ppm Physical Condition Assessment Free Chlorine (field): ppm Graffiti: None Ammonia (field): ppm Erosion: pH (field): units None ۰F Deposition: None Depth (in): Temperature (field): Damage: None Conductivity (field): μS/cm ☐ Displacement ☐ Undercut Crushed Detergents: mg/L Corrosion Cracks/Structural Damage

03-382 US1 City of Oshkosh

Inspection Date:	8/18/2010 8	3:34:04 AM	Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Por Submerged: None	De	nlikely epth (in):	Inspector: JCW	Notes     Dry bottom. Grass clipping build up.	
Sampling Results Sample Location: Total Chlorine:	ppm	Odor:	None None None		
Free Chlorine: Ammonia: pH:	ppm ppm units	Gross Solids: Vegetation:	None None None	Condition Assessment  Graffiti: None	08 10 2010 08 24
Temperature Conductivity: Detergents:	° F μS/cm mg/L		None None None	Erosion: None Deposition: None Damage: None	o20100818082432.JPG <b>2010</b>

03-385 City of Oshkosh

Non-Priority Non-Major Outfall

# Structure Type:

Closed Pipe Outfall

# Discharge Location:

Water of the State

#### NR 216 Class:

Minor Outfall

# Shape:

Pipe - Circular

## Material:

CMP

# City ID:

N/A

## -Dimensions

Diameter (in): 10

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181022144748.JPG

## **Outfall Notes:**

Pioneer Dr storm sewer discharges to canal from west.

County Coordinates:Latitude/Longitude:Northing:470,400Latitude:44.00994Easting:794,112Longitude:-88.53378



Inspection	Date:	10/22/2018 2:49:5	<b>5 PM</b> In	spector:	JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs): 48-7	72
Flow Descr	iption:	Submerged, inde	terminate	Notes:		ully submerged - sci	reened upstream		Contract to
Submerged:	Fully	Depth (in	): 12		at 03-38	5 US1.			
Illicit Disch	arge Po	otential: Unlikely							
Floatables:	None		Petrol.	Sheen [	Suds	Sewage A	lgae		
Odor:	None		Petrole	eum 🗌	Musty	☐ Sewage ☐ C	hlorine   Other		
To and Called	Nicon		☐ VOC/S	olvent	Fishy	Sulfur F	ragrant		WARRING .
Turbidity:	None							o20181022144754.JF	P.G.
Color:	None							020101022174734.01	O
Gross Solids	s: No	one	Litter		Veg. Debri	is Sediment	Other	2018	
Vegetation:	No	one	Inhibite	ed 🗌	Excessive		Г	Sampling Results ————	
Benthic Gro	wth: No	one	Green		Brown			Sample Location:	
Stains:	No	one	Flow Li	ine 🗌	Oil	Rust Stains		Sample ID:	
			Paint		Other			•	
Non-illicit:	No	one	Natura	l Sheen	Natura	al Suds/Foam		Time Collected:	
– Physical (	 Conditio	on Assessment —						Total Chlorine (field):	ppm
Graffiti:		one						Free Chlorine (field): Ammonia (field):	ppm
Erosion:		one						pH (field):	ppm units
Deposition		one Depth (in):						Temperature (field):	° F
Deposition Damage:								Conductivity (field):	μS/cm
Damage.	INC	Displace		Indercut Cracks/Sti	Cı ructural Da	rushed amage		, , ,	mg/L

03-385 City of Oshkosh

Inspection Date:	8/18/2010 8	3:10:24 AM	Type: Ongoing	Flow:	Subr	merged, indet	erminate	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Fully	De	nlikely epth (in): 10	Inspector: JCW		l fully s	submerged.	n at	二、
Sampling Results Sample Location: Total Chlorine:	ppm	Odor:	None None None		5 US1.			
Free Chlorine: Ammonia: pH:	ppm ppm units	Gross Solids:	None None None	Graffit	ti:	ssessment – None		
Temperature Conductivity: Detergents:	° F μS/cm mg/L		None None	Depos Dama	sition:	None None	0 in.	o20100818080520.JPG <b>2010</b>

03-385 US1 City of Oshkosh

## Structure Type:

Inlet/Catchbasin

# Discharge Location:

Downstream Outfall

#### NR 216 Class:

Minor Outfall - Alternate Location

#### Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

# City ID:

03-385

#### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

## **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181022144954.JPG

#### **Outfall Notes:**

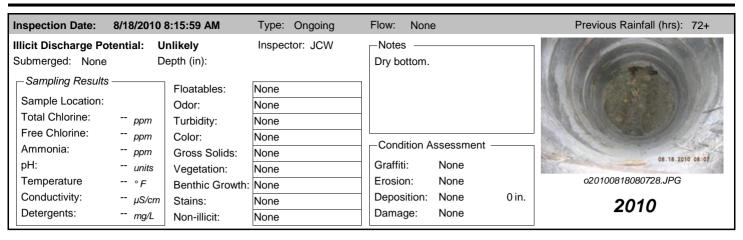
Upstream curb inlet located approx 22 ft WNW of outfall 03-385. Intermediate area consists of open space and street right-of-way.

County Coordinates:Latitude/Longitude:Northing:470,408Latitude:44.00996Easting:794,090Longitude:-88.53386



#### Inspection Type: Ongoing **Inspection Date:** 10/22/2018 2:52:18 PM **JCW** Previous Rainfall (hrs): 48-72 Inspector: Flow Description: Notes: Inlet dry. None Submerged: None Depth (in): Illicit Discharge Potential: Unlikely Other Petrol. Sheen Suds Sewage Algae Floatables: None Odor: None Petroleum Musty Sewage Chlorine Other ∇OC/Solvent Fishy Sulfur Fragrant Turbidity: None o20181022145010.JPG Color: None Gross Solids: None Litter ☐ Veg. Debris ☐ Sediment ☐ Other 2018 Vegetation: None Inhibited Excessive Sampling Results Benthic Growth: None Green Brown Sample Location: Stains: Flow Line Oil Rust Stains None Sample ID: Paint Other Time Collected: Non-illicit: Natural Sheen Natural Suds/Foam None Total Chlorine (field): ppm Physical Condition Assessment Free Chlorine (field): ppm Ammonia (field): Graffiti: None ppm Erosion: None pH (field): units ۰F Deposition: None Depth (in): Temperature (field): Damage: None Conductivity (field): μS/cm ☐ Displacement ☐ Undercut Crushed Detergents: mg/L Corrosion Cracks/Structural Damage

03-385 US1 City of Oshkosh



03-387 City of Oshkosh

Non-Priority Non-Major Outfall

# Structure Type:

Closed Pipe Outfall

# **Discharge Location:**

Water of the State

#### NR 216 Class:

Minor Outfall

# Shape:

Pipe - Circular

## Material:

CMP

# City ID:

N/A

## -Dimensions

Diameter (in): 10

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181022141116.JPG

# **Outfall Notes:**

Pioneer Dr storm sewer discharges to lake from west.

County Coordinates:Latitude/Longitude:Northing:469,661Latitude:44.00791Easting:793,901Longitude:-88.53458



Inspection	Date: 1	0/22/2018 2:13:00	6 PM In	spector:	JCW	Inspection	Туре:	Ongoing	Previous Rainfall (hrs)	: 48-7	72
Flow Descri Submerged:	•	ubmerged, indet Depth (in)		Notes:		m inlet could r d at end of pip		opened - sample			
Illicit Disch	arge Potei	ntial: Unlikely									
Floatables:	None		Petrol.	Sheen [	Suds	Sewage	Alg	gae 🗌 Other			
Odor:	None		Petrole	_	Musty	Sewage		nlorine   Other		1	
	None		∐ VOC/S	olvent	] Fishy	Sulfur	Fra	agrant			<b>D</b>
Color:	None								o2018102214	1124.JF	G
Gross Solids	s: None		Litter		Veg. Debr	ris 🗌 Sedime	ent 🗌	Other	20	18	
Vegetation:	None		Inhibite	ed 🔲	Excessive	•			-Sampling Results ——		
Benthic Grov	wth: None		Green		Brown				Sample Location: Po	ol.	
Stains:	None		☐ Flow Li		Oil Other	Rust S	tains			1022-70	6
Non-illicit:	None		Natural	Sheen	☐ Natura	al Suds/Foam			Total Chlorine (field):	-	
⊢Physical (	Condition A	Assessment —							Free Chlorine (field):	0	ppm ppm
Graffiti:	None								Ammonia (field):	0	ррт
Erosion:	None								pH (field):	7.64	units
Deposition	n: None	Depth (in):							Temperature (field):	57	°F
Damage:	None	☐ Displace		Indercut Cracks/Str	Cructural Da	rushed amage			Conductivity (field): Detergents:	331 0	μS/cm mg/L

03-387 City of Oshkosh

Inspection Date:	8/18/2010	7:55:48 AM	Type: Ongoing	Flow:	Submerged, inde	eterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Partia	ally D	nlikely epth (in): 3	Inspector: JCW		s I partially submero I screened upstrea		
Sampling Results Sample Location: Total Chlorine:	<sub>ppm</sub>	Odor:	None None None	03-38	7 US1.		
Free Chlorine: Ammonia:	ppm ppm		None None	_ Cond	lition Assessment		
pH: Temperature	units		None	Graffit Erosio			o20100818074924.JPG
Conductivity: Detergents:	μS/cm mg/L	Stains:	Slight None	Depos Dama		0 in.	2010

03-387 US1 City of Oshkosh

# **Location Map**

# Structure Type: Inlet/Catchbasin **Discharge Location:** Downstream Outfall NR 216 Class: Minor Outfall - Alternate Location Shape: Manhole/Catchbasin Material: Manhole - concrete o20181022141440.JPG City ID: 03-387 **Outfall Notes:** Upstream curb inlet located approx 44 ft WSW of outfall 03-387. Intermediate area consists of open

Corrosion

-Dimensions Diameter (in):

Height/Depth (in): Width (in):

space and street right-of-way.



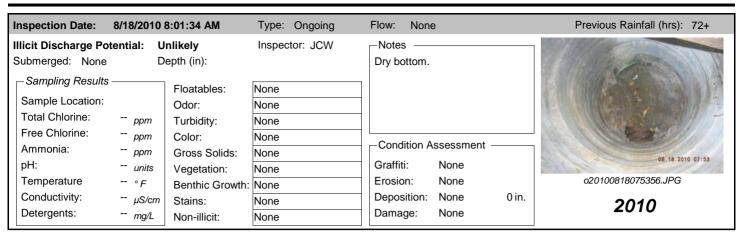
Detergents:

-- mg/L

Mapping P Mapping Gl		County Co Northing: Easting:	469,638 I	Latitude/Longitude: Latitude: 44.00785 Longitude: -88.53473			Low
Inspection	Date: 10/22/2	2018 2:16:33 PM Ir	nspector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	48-72
Submerged:		Depth (in):		ream inlet could not be cted at end of pipe. Car			1/1
Floatables:	None None	Petrole	Sheen Suds eum Musty solvent Fishy	y Sewage C	Algae Other Chlorine Other Tragrant		
Turbidity:	None						A TO THIS
Color:	None					o201810221414	450.JPG
Gross Solids	s: None	Litter	☐ Veg. De	ebris Sediment	Other	201	8
Vegetation:	None	Inhibite	ed Excess	sive	_	Sampling Results ———	
Benthic Grov	wth: None	Green	Brown			Sample Location:	
Stains:	None	☐ Flow L ☐ Paint	ine Oil Other	Rust Stains		Sample ID: Time Collected:	
Non-illicit:	None	☐ Natura	l Sheen 🗌 Na	tural Suds/Foam		Total Chlorine (field):	ppm
-Physical (	Condition Asses	sment ————				Free Chlorine (field):	ppm
Graffiti:	None					Ammonia (field):	<i>ppm</i>
Erosion:	None					pH (field):	units
Deposition		Depth (in):				Temperature (field):	° <i>F</i>
Damage:	None	Displacement U	Indercut	Crushed		Conductivity (field):	μS/cm

Cracks/Structural Damage

03-387 US1 City of Oshkosh



05-14 City of Oshkosh

Non-Priority Non-Major Outfall

# Structure Type:

Closed Pipe Outfall

# **Discharge Location:**

Water of the State

#### NR 216 Class:

Minor Outfall

# Shape:

Pipe - Circular

#### Material:

CMP

# City ID:

N/A

## -Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Desktop mapping estimate

✓ Not Physically Located

o20181022170940.JPG

## **Outfall Notes:**

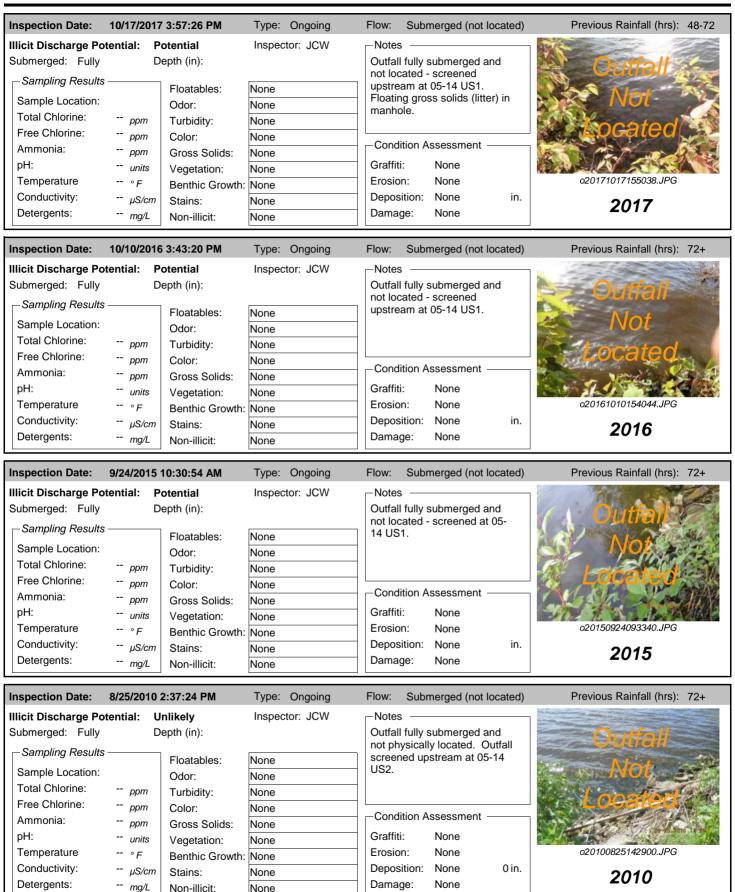
Storm sewer from Rockwell Ave discharges to river from east. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:Latitude/Longitude:Northing:476,107Latitude:44.02558Easting:788,230Longitude:-88.55615



Inspection D	Date: 10/22	/2018 5:09:36 PM	Inspector:	JCW Ir	spection Type:	Ongoing	Previous Rainfall (hrs):	48-72
Flow Descrip Submerged:	•	perged (not located) Depth (in):	Notes:	screened up	submerged and stream at 05-14 (litter) in manho	US1. Floating	Out	
Floatables: [	None None	Pet	rol. SheenroleumC/Solvent	Suds   Musty	Sewage	gae Other	No. Loca	
Color: [ Gross Solids Vegetation:	None  None  None			Veg. Debris [ Excessive	Sediment	Other	o201810221709 <b>2018</b> Sampling Results	
Benthic Grow Stains:	None None	Gre	w Line	Brown Oil [ Other	Rust Stains		Sample Location: Sample ID: Time Collected:	
Non-illicit:  —Physical C Graffiti: Erosion: Deposition Damage:	None Condition Asse None None None None None		ural Sheen  Undercut Cracks/Str	☐ Natural Su	ed		Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field): Detergents:	ppm ppm ppm units ° F µS/cm mg/L

05-14 City of Oshkosh



05-14 City of Oshkosh

Inspection Date:	9/9/2009		Type: Initial	Flow:	Submerged (not	located)	Previous Rainfall (hrs): 72+
Illicit Discharge Pot Submerged: Fully		otential epth (in):	Inspector: JCW	-Notes	fully submerged a	and	$u_{ell}$
Sampling Results Sample Location:		Floatables:	None	not phy	ysically located. Ced upstream at 05	Outfall	Villali Not
Total Chlorine:	ppm		None None				Located.
Free Chlorine: Ammonia:	ppm ppm		None None	Condi	tion Assessment		Localco
pH: Temperature	units ° F	Vegetation: Benthic Growth:	None	Graffiti Erosio			Osh09_DSCN6696.JPG
Conductivity: Detergents:	μS/cm mg/L	Stains:	None None	Depos Damad		0 in.	2009

05-14 US1 City of Oshkosh

# Structure Type:

Manhole

# **Discharge Location:**

Downstream Outfall

#### NR 216 Class:

Minor Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

# Material:

Manhole - concrete

# City ID:

05-14

## -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181022171304.JPG

## **Outfall Notes:**

Upstream manhole located approx 30 ft ENE of outfall 05-14. Intermedate area consists of street right-of-way and shoreline.

County Coordinates: Latitude/Longitude:

Northing: 476,120 Latitude: 44.02562 Easting: 788,257 Longitude: -88.55605



Inspection D	ate: 10/22/2018 5:1	5:36 PM Inspector	: JCW Inspe	ction Type: Or	ngoing	Previous Rainfall (hrs	): 48-72	2
Submerged:	stion: Submerged, in Fully Depth rge Potential: Poter	ı (in): 47	Sample collecte manhole. Floatir manhole.		•			
Floatables: Nodor: Nodo		Petrol. Sheen [ Petroleum [ VOC/Solvent [		vage	ne  Other	0201810221	71308.JP0	
Gross Solids: Vegetation:	Severe None	Litter Inhibited	Veg. Debris S	ediment 🗌 O	ther	<b>20</b> Sampling Results	18	
Benthic Grow Stains:	None None	Green Flow Line Paint	] Brown ] Oil	tust Stains		Sample Location: Po	ool 1022-59	
Non-illicit:  —Physical C	None ondition Assessment	Natural Sheen	☐ Natural Suds/	Foam		Total Chlorine (field): Free Chlorine (field):	0	ррт ррт
Graffiti: Erosion: Deposition: Damage:	None Disp	placement Undercut	t Crushed			Ammonia (field): pH (field): Temperature (field): Conductivity (field): Detergents:	0 7.59 56 361	ppm units ° F µS/cm mg/L

05-14 US1 City of Oshkosh

00 14 00	•				City of Oshko.
Inspection Date:	10/17/2017	7 3:58:36 PM	Type: Ongoing	Flow: Submerged, indeterminate	e Previous Rainfall (hrs): 48-72
Illicit Discharge P Submerged: Fully Sampling Result Sample Location Total Chlorine:	ts ————————————————————————————————————	Potential Depth (in): 40 Floatables: Odor: Turbidity:	None None None	Sample collected from submerged pool in manhole.  Floating gross solids (litter) in manhole.	
Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:	0 ppm 0 ppm 7.93 units 66 ° F 886 μS/cm 0 mg/L	Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	None Severe None None None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	o20171017155256.JPG <b>2017</b>
Inspection Date:	10/10/2010	6 3:46:48 PM	Type: Ongoing	Flow: Submerged, indeterminate	e Previous Rainfall (hrs): 72+
Illicit Discharge P Submerged: Fully  Sampling Result	/ [	Potential Depth (in): 41	Inspector: JCW	Notes  Potential illicit discharge due to gross solids.	
Sample Location Total Chlorine:		Floatables: Odor: Turbidity:	None None		
Free Chlorine: Ammonia: pH:	0 <sub>ppm</sub> 0 <sub>ppm</sub> 7.69 <sub>units</sub>	Color: Gross Solids: Vegetation:	None Severe None	Condition Assessment Graffiti: None	
T	70	. ogotation.		Faccione None	201610101E4400 IDC

Inspection Date:	9/24/2015 1	10:36:18 AM	Type: Ongoing	Flow:	Subme	rged, indeter	minate	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Fully	De	otential epth (in): 44	Inspector: JCW	-Notes Floatii manh	ng gross	solids (litter)	in	
Sampling Results Sample Location:	Pool	Odor:	None None					
Total Chlorine: Free Chlorine: Ammonia:	0 <sub>ppm</sub> 0 <sub>ppm</sub> 0 <sub>ppm</sub>	Color:	None None	_ Cond	lition Ass	essment —		
	0 <sub>ppm</sub> 7.98 <sub>units</sub> 70 <sub>° F</sub>		Severe None	Graffit	·	lone lone		o20150924093714.JPG
Conductivity: Detergents:	424 μS/cm 0 mg/L	Stains:	None None	Depos Dama		lone lone	in.	2015

Erosion:

Damage:

Deposition:

None

None

None

in.

o20161010154428.JPG

2016

Stains:

Non-illicit:

Benthic Growth: None

70 ∘<sub>F</sub>

660  $\mu S/cm$ 

0 mg/L

Temperature

Conductivity:

Detergents:

None

None

05-241 City of Oshkosh

Priority Outfall

# Structure Type:

Closed Pipe Outfall

# Discharge Location:

Water of the State

#### NR 216 Class:

Minor Outfall

# Shape:

Pipe - Circular

#### Material:

CMP

# City ID:

N/A

## -Dimensions

Diameter (in): 18

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Desktop mapping estimate

✓ Not Physically Located



o20181022170948.JPG

## **Outfall Notes:**

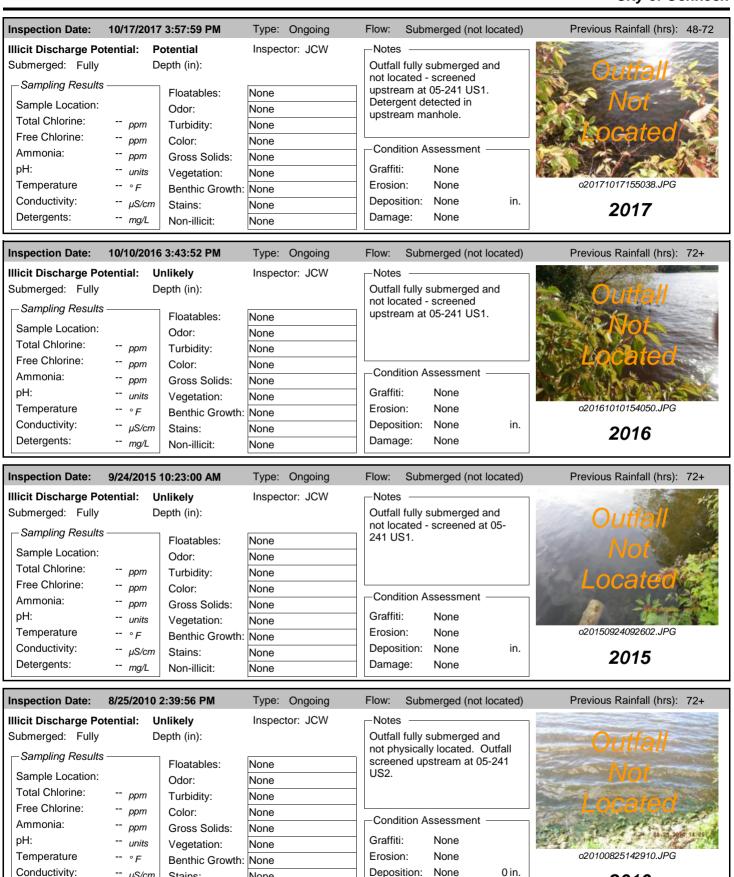
Storm sewer from Rockwell Ave discharges to river from east. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:Latitude/Longitude:Northing:476,100Latitude:44.02556Easting:788,232Longitude:-88.55614



Inspection	Date:	10/22/2018 5:11:2	<b>7 PM</b> In	spector:	JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	48-72
Flow Descr	iption:	Submerged (not I	ocated)	Notes:		fully submerged and		A STATE OF THE STA	
Submerged:	Fully	Depth (in	):		screene	ed upstream at 05-24	1 US1.		all 2
Illicit Disch	arge P	otential: Unlikely						A Property of	10
Floatables:	None		Petrol.	Sheen [	Suds	Sewage Al	gae		
Odor:	None		Petrole	_	Musty		nlorine   Other	ESC 5	
Turbidity:	None		☐ VOC/S	olvent _	」Fishy	Sulfur Fr	agrant		
Color:	None							o20181022170	952.JPG
Gross Solids	s: No	one	Litter		Veg. Deb	ris Sediment	Other	201	8
Vegetation:	No	one	Inhibite	ed 🗌	Excessive	е	_	Sampling Results ———	
Benthic Gro	wth: No	one	Green		Brown			Sample Location:	
Stains:	No	one	Flow Li		Oil	Rust Stains		Sample ID:	
			Paint		Other			Time Collected:	
Non-illicit:	No	one	Natural	Sheen	☐ Natu	ral Suds/Foam		Total Chlorine (field):	ppm
-Physical (	Conditio	on Assessment —						Free Chlorine (field):	ppm
Graffiti:	No	one						Ammonia (field):	<i>ppm</i>
Erosion:	No	one						pH (field):	units
Depositio	n: No	one Depth (in):						Temperature (field):	° <i>F</i>
Damage:	No	one Displace Corrosic		Indercut Cracks/St	( ructural D	Crushed amage		Conductivity (field): Detergents:	μS/cm mg/L

05-241 City of Oshkosh



Damage:

None

2010

μS/cm

-- mg/L

Detergents:

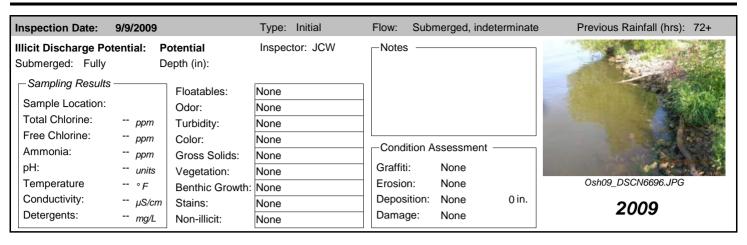
Stains:

Non-illicit:

None

None

05-241 City of Oshkosh



05-241 US1 City of Oshkosh

# Structure Type:

Inlet/Catchbasin

# Discharge Location:

Downstream Outfall

#### NR 216 Class:

Minor Outfall - Alternate Location

# Shape:

Manhole/Catchbasin

#### Material:

Manhole - brick

## City ID:

05-241

## -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Desktop mapping estimate

☐ Not Physically Located



o20181022171812.JPG

## **Outfall Notes:**

Upstream catchbasin located approx 31 ft ENE of outfall 05-241. Intermediate area consists of street right-of-way and shoreline.

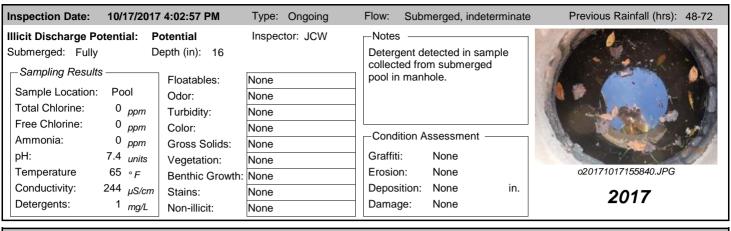
County Coordinates: Latitude/Longitude:

Northing: 476,113 Latitude: 44.02560 Easting: 788,261 Longitude: -88.55603



Inspection Date:	10/22/2018 5:20:2	6 PM Inspecto	or: JCW Ir	nspection Type:	Ongoing	Previous Rainfall (hrs):	48-72
Flow Description Submerged: Fully Illicit Discharge F			s: Sample colle manhole.	ected from subm	erged pool in		
Floatables: None Odor: None Turbidity: None	9	Petrol. Sheer Petroleum VOC/Solvent	Musty	Sewage Cr	gae  Other	2201217721771	916 IDC
Vegetation: N Benthic Growth: N	None	Litter [ Inhibited [ Green [ Flow Line [ Paint	Veg. Debris [ Excessive Brown Oil Other	Sediment Rust Stains		o20181022171  201  Sampling Results  Sample Location: Pool Sample ID: 1810	8
Physical Condit  Graffiti: N  Erosion: N  Deposition: N	None  ition Assessment —  None  None  None Depth (in):  None Displace  Corrosic	Natural Shee	n	ned		Time Collected: 17:1 Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field): Detergents:	8

05-241 US1 City of Oshkosh



Inspection Date:	10/10/2016	3:50:18 PM	Type: Ongoing	Flow:	Submerged, indete	rminate	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Fully  Sampling Results  Sample Location:  Total Chlorine:  Free Chlorine:  Ammonia:	tential: Ur	nlikely epth (in): 17  Floatables: Odor: Turbidity: Color:	None None None None Mone Moderate	Notes	3		Pievious Kaiiliali (ilis). 12+
Temperature	7.59 <sub>units</sub> 69 ° F 551 <sub>μS/cm</sub> 0 <sub>mg/L</sub>	Benthic Growth: Stains:	None None None Slight	Graffit Erosio Depos Dama	n: None sition: None	in.	o20161010154822.JPG <b>2016</b>

Inspection Date:	9/24/2015 1	10:27:12 AM	Type: Ongoing	Flow:	Submerged, indete	erminate	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Fully	De	nlikely epth (in): 18	Inspector: JCW	_Notes			
Sampling Results Sample Location:	Pool		None			14	
Total Chlorine:	0 <sub>ppm</sub>		None None			1	
Free Chlorine: Ammonia:	0 <sub>ppm</sub> 0 <sub>ppm</sub>		None None	Condi	tion Assessment —	W. Carlotte	
pH:	7.43 <sub>units</sub>		None	Graffiti		1	09/24/2/2
Temperature Conductivity:	71 ∘ <sub>F</sub>	Benthic Growth:		Erosio Depos		in.	o20150924092818.JPG
Detergents:	474 <sub>μS/cm</sub> 0 <sub>mg/L</sub>		None None	Damag		111.	2015

06-52 City of Oshkosh

Priority Outfall

# Structure Type:

Closed Pipe Outfall

# Discharge Location:

Water of the State

#### NR 216 Class:

Minor Outfall

# Shape:

Pipe - Circular

#### Material:

**RCP** 

# City ID:

N/A

# -Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Desktop mapping estimate

✓ Not Physically Located



o20181022163042.JPG

# **Outfall Notes:**

W 4th Ave storm sewer discharges to river from south. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

**County Coordinates:** Latitude/Longitude:

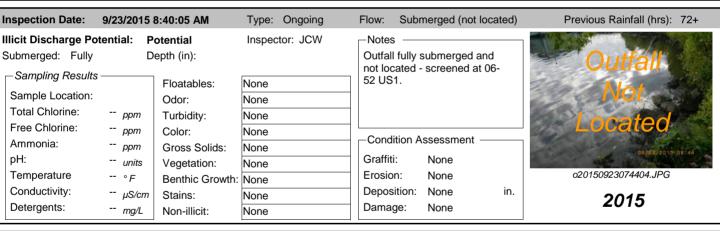
Northing: 472,713 Latitude: 44.01628

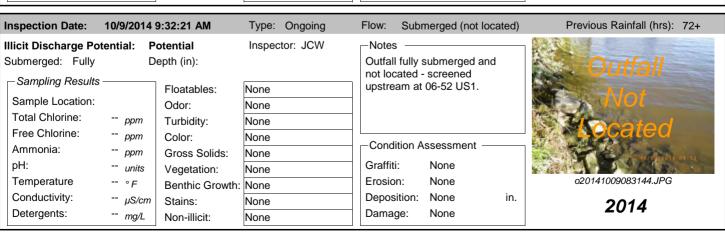
Easting: 789,812 Longitude: -88.55013



Inspection	Date:	10/22/2018 4:31:5	9 PM In	spector:	JCW In	spection Type:	Ongoing	Previous Rainfall (hrs): 4	8-72
Flow Descr Submerged:	•	J	•	Notes:	screened up	submerged and i stream at 06-52 (litter) in manho	US1. Floating	Outfa	1
Illicit Disch	arge P	otential: Potential	I					Mot	
Floatables:	None		Petrol.	Sheen _	Suds	Sewage	gae	TVOL	
Odor:	None		Petrole	_	, _		nlorine Other	Locate	ed
Turbidity:	None		☐ VOC/S	olvent	Fishy	Sulfur  Fra	agrant		70/22/2009
Color:	None							o20181022163054	I.JPG
Gross Solids	s: No	one	Litter		Veg. Debris	Sediment [	Other	2018	
Vegetation:	No	one	Inhibite	d 🔲	Excessive		Г	Sampling Results ———	
Benthic Gro	wth: No	one	Green		Brown			Sample Location:	
Stains:	No	one	Flow Li		Oil [	Rust Stains		Sample ID:	
			Paint		Other			Time Collected:	
Non-illicit:	No	one	Natural	Sheen	□ Natural Su	ids/Foam		Total Chlorine (field):	ppm
-Physical (	Conditio	on Assessment —						Free Chlorine (field):	ppm
Graffiti:	No	one						Ammonia (field):	ppm
Erosion:		one						pH (field):	units
Depositio		one Depth (in):						Temperature (field):	° F
Damage:	No	one Displace Corrosic		Indercut racks/Str	☐ Crush ructural Damaç			Conductivity (field): Detergents:	μS/cm mg/L

Inspection Date:	10/18/2017	′ 11:31:01 AM	Type: Ongoing	Flow: Sul	bmerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Po	tential: P	otential	Inspector: JCW	-Notes -		
Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:		epth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	None None None None None None None None	not located upstream a Floating gr manhole.	A submerged and d - screened at 06-52 US1. OSS solids (litter) in  Assessment  None  None  None  None  None  None	Outfall Not Located Photo Not Available 2017
Inspection Date:	10/18/2016	3 2:57:41 PM	Type: Ongoing	Flow: Sul	bmerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Po	otential: P	otential	Type: Ongoing Inspector: JCW	Notes —	,	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Fully	otential: P			Notes —	/ submerged and	Previous Rainfall (hrs): 72+
Illicit Discharge Po	otential: P	otential		Notes — Outfall fully	,	Previous Rainfall (hrs): 72+
Submerged: Fully Sampling Results Sample Location:	otential: P	otential epth (in):	Inspector: JCW	Notes — Outfall fully	submerged and	Previous Rainfall (hrs): 72+
Sample Location: Total Chlorine:	otential: P	otential epth (in): Floatables:	Inspector: JCW	Notes — Outfall fully	submerged and	Ouffall Not
Submerged: Fully Sampling Results Sample Location:	otential: P	otential epth (in): Floatables: Odor:	Inspector: JCW  None  None	Notes — Outfall fully not located upstream a	v submerged and d - screened at 06-52 US1.	Previous Rainfall (hrs): 72+  Ourlall  Not  Located
Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia:	otential: Po	otential epth (in): Floatables: Odor: Turbidity:	Inspector: JCW  None  None  None	Notes Outfall fully not located upstream a	/ submerged and I - screened at 06-52 US1.	Ouffall Not
Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH:	otential: Po	otential epth (in): Floatables: Odor: Turbidity: Color:	None None None None None	Notes — Outfall fully not located upstream a  — Condition Graffiti:	/ submerged and discrepance an	Outfall Not Located
Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature	otential: Po D	otential epth (in):  Floatables: Odor: Turbidity: Color: Gross Solids:	None None None None None None None None	Notes — Outfall fully not located upstream a  —Condition Graffiti: Erosion:	Assessment  None None	Ouffall Not
Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH:	ppm ppm ppm units	otential epth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation:	None None None None None None None None	Notes — Outfall fully not located upstream a  — Condition Graffiti:	Assessment  None None	Outfall Not Located





06-52 City of Oshkosh

Inspection Date:	10/11/2011	11:06:46 AM	Type: Ongoing	Flow:	Submerged (not lo	cated)	Previous Rainfall (hrs): 72+
Illicit Discharge Pot	ential: U	nlikely	Inspector: JCW	-Notes			
Submerged: Fully	D	epth (in):			reening follow-up.		Outall -
		1			fully submerged an sically located. Ou		
		Floatables:	None		ed upstream at 06-	100	Alot
Sample Location:		Odor:	None	US1.	u upstream at 00-	32	NUL
Total Chlorine:	ppm	Turbidity:	None	001.			Located
Free Chlorine:	ppm	Color:	None	0 1'1'			Located
Ammonia:	ppm	Gross Solids:	None	Conditi	on Assessment –		W 17/2011 11/07
pH:	units	Vegetation:	None	Graffiti:	None	8	SAME WAS TO
Temperature	∘ <i>F</i>	Benthic Growth:	None	Erosion	: None		o20111011110724.JPG
Conductivity:	μS/cm	Stains:	None	Depositi	ion: None	0 in.	2011
Detergents:	mg/L	Non-illicit:	None	Damage	e: None		2011

Detergents:	mg/L	Non-illicit:	None	Damage: None	
Inspection Date:	8/18/2010	12:57:36 PM	Type: Ongoing	Flow: Submerged (not located) Previous Rainfall (hrs):	72+
Illicit Discharge Po	tential: P	otential	Inspector: JCW	-Notes	No.
Submerged: Fully	D	epth (in):		Outfall fully submerged and	To a
		1 =	<b>.</b>	not physically located. Outfall screened upstream at 06-52	-
Sample Location:		Floatables:	None	US1.	B.
•		Odor:	None		-
Total Chlorine:	ppm	Turbidity:	None	l control	
Free Chlorine:	ppm	Color:	None	Condition Assessment	
Ammonia:	ppm	Gross Solids:	None	Condition Assessment	
pH:	units	Vegetation:	None	Graffiti: None	
Temperature	∘ <i>F</i>	Benthic Growth:	None	Erosion: None 020100818124946.JPG	
Conductivity:	μS/cm	Stains:	None	Deposition: None 0 in.	
Detergents:	mg/L	Non-illicit:	None	Damage: None	

06-52 US1 City of Oshkosh

# Structure Type:

Manhole

# Discharge Location:

Downstream Outfall

#### NR 216 Class:

Minor Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

# Material:

Manhole - concrete

# City ID:

06-52

## -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181022163144.JPG

## **Outfall Notes:**

Upstream manhole located approx 34 ft SW of outfall 06-52. Intermediate area consists of open space.

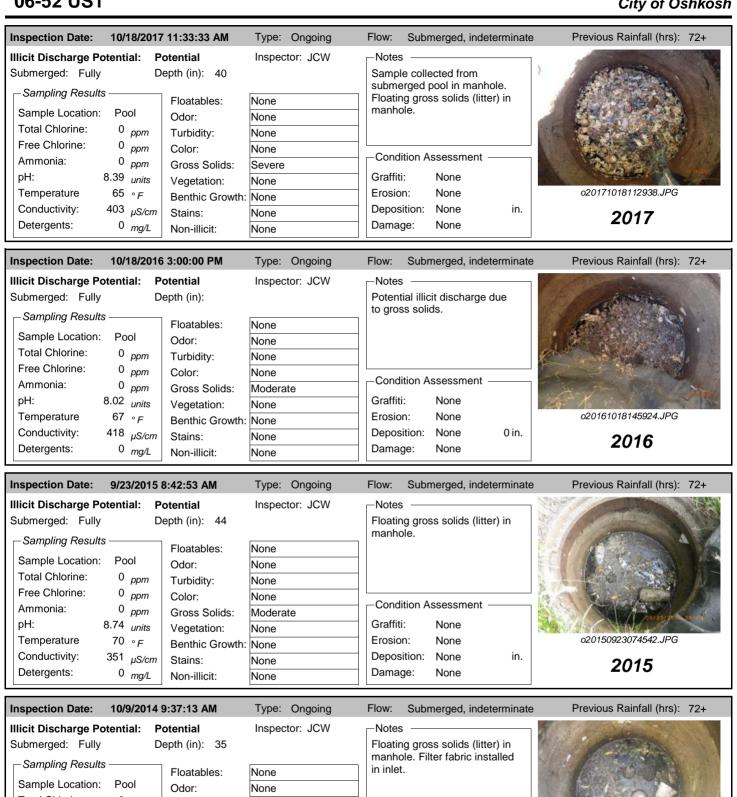
**County Coordinates:** Latitude/Longitude:
Northing: 472,689 Latitude: 44.0162

Northing: 472,689 Latitude: 44.01621 Easting: 789,786 Longitude: -88.55023



Inspection	Date:	10/22/2018 4:34:1	4 PM In	spector:	JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	48-72
Flow Descr Submerged:	•	<b>Submerged, inde</b> y  Depth (ir		Notes:		collected from subner. Floating gross sole.	0 ,	do	
Illicit Disch			1	Sheen	Sude	Sewage A	gae  Other		
Odor:	None		Petrole	um _	Musty Fishy	Sewage C	hlorine  Other ragrant		
Turbidity: Color:	None		]		, - ,			o20181022163	3150.JPG
Gross Solids		Moderate	Litter	<b>✓</b> '	Veg. Debr	is Sediment	Other	201	8
Vegetation:	_	Vone	Inhibite		Excessive			Sampling Results ———	
Benthic Gro	_	Slight	Green Flow Li	ne 🔲	Brown Oil Other	Rust Stains		Sample Location: Pool Sample ID: 181 Time Collected: 16:3	022-05
Non-illicit:	L	None tion Assessment —	☐ Natura	Sheen	☐ Natura	al Suds/Foam		Total Chlorine (field): Free Chlorine (field):	0 ppm 0 ppm
Graffiti: Erosion:	-	None None						Ammonia (field): pH (field):	0 ppm 7.77 units
Deposition Damage:		None Depth (in):  None Displace Corrosi	ement 🔲 L	Indercut Cracks/Str	Cuctural Da	rushed amage		Temperature (field): Conductivity (field): Detergents:	54 ° F 348 μS/cm 0 mg/L

06-52 US1 City of Oshkosh



06-52 US1 City of Oshkosh

nspection Date:	10/11/2011	11:09:29 AM	Type: Ongoing	Flow:	Submerged, indete	rminate	Previous Rainfall (hrs): 72+
Ilicit Discharge Pote	ential: U	nlikely	Inspector: JCW	-Notes	·		
Submerged: Fully	De	epth (in): 35			creening follow-up. ble debris significant	tlv	e lin
Sampling Results -		Floatables:	None	reduce		шу	
Sample Location:	Pool	Odor:	None				
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None			A	
Free Chlorine:	0 <sub>ppm</sub>	Color:	None		:::		
Ammonia:	0 <sub>ppm</sub>	Gross Solids:	Moderate	Condi	ition Assessment —	¥	
pH: 8.	.13 <sub>units</sub>	Vegetation:	None	Graffiti	: None	i i	
Temperature	70 ∘ <sub>F</sub>	Benthic Growth:	None	Erosio	n: None		o201110111110824.JPG
Conductivity:	μS/cm	Stains:	None	Depos	ition: None	0 in.	2011
Detergents:	mg/L	Non-illicit:	None	Damag	ge: None		2011

Inspection Date:	5/26/2011	1:05:00 PM	Type: Other	Flow: S	Submerged, ind	leterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Fully	D	otential epth (in):	Inspector: JCW		creening cond		
Sampling Results Sample Location: Total Chlorine:	ppm	Floatables: Odor: Turbidity:	None				
Free Chlorine: Ammonia: pH: Temperature	ppm ppm units ° F	Color: Gross Solids: Vegetation: Benthic Growth:	Moderate	— Condition Graffiti:	n Assessment None None	:	020110526130522.JPG
Conductivity: Detergents:	μS/cm mg/L	Stains: Non-illicit:	None	Deposition Damage		0 in.	2011

Inspection Date:	8/18/2010 1	1:00:07 PM	Type: Ongoing	Flow:	Subm	erged, indet	terminate	Previous Rainfall (hrs): 72+
Illicit Discharge Pot Submerged: Fully	De	otential epth (in): 41	Inspector: JCW	-Notes Signifi manh	icant flo	atable debri	is in	
Sampling Results Sample Location: Total Chlorine:	Pool 0 <sub>ppm</sub>	Odor:	None None Slight cloudiness					
Free Chlorine: Ammonia:	0 <sub>ppm</sub> 0 <sub>ppm</sub>		Faint in bottle Severe			sessment -		NA A
Temperature	7.98 <sub>units</sub> 76 <sub>° F</sub>	Vegetation: Benthic Growth:	None None	Graffit Erosio	n:	None None		o20100818125018.JPG
Conductivity: Detergents:	μS/cm 0 <sub>mg/L</sub>		None None	Depos Dama		None None	0 in.	2010

06-216 City of Oshkosh

Non-Priority Non-Major Outfall

# Structure Type:

Closed Pipe Outfall

# Discharge Location:

Water of the State

#### NR 216 Class:

Minor Outfall

# Shape:

Pipe - Circular

## Material:

Cast Iron

# City ID:

N/A

## -Dimensions

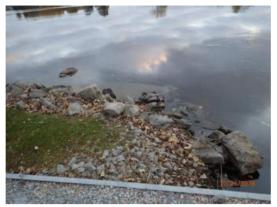
Diameter (in): 39

Height/Depth (in):

Width (in):

# **Mapping Precison:**

✓ Not Physically Located



o20181024073024.JPG

## **Outfall Notes:**

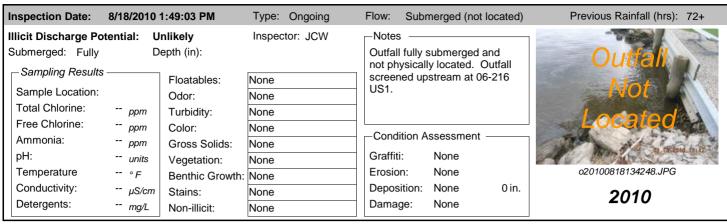
Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:Latitude/Longitude:Northing:474,404Latitude:44.02091Easting:788,575Longitude:-88.55484



Inspection	Date:	10/24/2018 7:31:0	<b>2 AM</b> In	spector:	JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descri Submerged:	-	Submerged (not I Depth (in)	•	Notes:	screened	ly submerged and upstream at 06-210 ds (litter) in manho	6 US1. Floating	Qutfa	all "
Illicit Discha	arge Pot	ential: Potential							
Floatables:	None		Petrol.	Sheen _	Suds	Sewage Alg	gae		
Odor:	None		Petrole	_	Musty [		nlorine  Other	LOC <del>a</del> t	ea
Turbidity:	None		☐ VOC/S	olvent	∣ Fishy      [	Sulfur Fra	agrant		No. of the leading of
Color:	None							o2018102 <b>4</b> 07302	28.JPG
Gross Solids	s: Non	e	Litter	\	√eg. Debris	Sediment	Other	2018	}
Vegetation:	Non	е	Inhibite	d 🗌 E	Excessive			Sampling Results ———	
Benthic Grov	wth: Non	e	Green	E	Brown			Sample Location:	
Stains:	Non	е	Flow Li		Oil	Rust Stains		Sample ID:	
			Paint		Other			Time Collected:	
Non-illicit:	Non	е	Natural	Sheen	Natural	Suds/Foam		Total Chlorine (field):	ppm
-Physical (	Condition	Assessment —						Free Chlorine (field):	ppm
Graffiti:	Non	e						Ammonia (field):	<i>ppm</i>
Erosion:	Non	е						pH (field):	units
Deposition	n: Non	e Depth (in):						Temperature (field):	° F
Damage:	Non	Displace		Indercut Fracks/Str	Cru uctural Dan	ushed mage		Conductivity (field): Detergents:	μS/cm mg/L
Erosion: Deposition	Non n: Non	Depth (in):						Ammonia (field): pH (field): Temperature (field): Conductivity (field):	ppm units ° F μS/cr

06-216 City of Oshkosh



nspection Date:	9/10/2009		Type: Initial	Flow:	Subn	nerged, inde	terminate	Previous Rainfall (hrs): 72+
Ilicit Discharge Po Submerged: Fully	D	nlikely epth (in):	Inspector: JCW	-Notes	;			
<ul> <li>Sampling Results</li> <li>Sample Location:</li> <li>Total Chlorine:</li> <li>Free Chlorine:</li> </ul>	ppm ppm	Odor: Turbidity:	None None None None					
Ammonia: pH:	ppm units	Gross Solids:	None None			ssessment - None		
Temperature	° <i>F</i>	Benthic Growth:		Erosio		None	O in	Osh09_DSCN6784.JPG
Conductivity: Detergents:	μS/cm mg/L		None None	Depos Damag		None None	0 in.	2009

06-216 US1 City of Oshkosh

# Structure Type:

Manhole

# Discharge Location:

Downstream Outfall

#### NR 216 Class:

Major Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

# City ID:

06-2316

## -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181024073316.JPG

## **Outfall Notes:**

Upstream manhole located approx 72 ft WSW of outfall 06-216. Intermediate area consists of open area east of multifamily residential units.

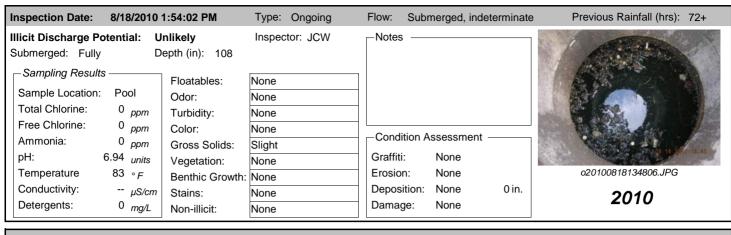
County Coordinates: Latitude/Longitude:
Northing: 474,371 Latitude: 44.02082

Northing: 474,371 Latitude: 44.02082 Easting: 788,512 Longitude: -88.55508



Inspection	Date:	10/24/2018 7:36:4	4 AM In	spector:	JCW Inspe	ction Type:	Ongoing	Previous Rainfall (hrs)	): 72+	
Flow Descr Submerged:	-	Submerged, inde		Notes:	Sample collected manhole. Floating		0 1	1		
Illicit Disch					manhole.					Vale II
Floatables:	None	)	Petrol.	Sheen _	Suds Sew	age 🗌 Alg	gae 🗌 Other	R. W.		
Odor:	None	•	☐ Petrole ☐ VOC/S	eum [	│Musty ☐ Sew │Fishy ☐ Sulf		nlorine			
Turbidity:	None	)			, ,		3	201010010	70000 45	in locations
Color:	None	)						o201810240	73322.JF	G
Gross Solids	s: S	Slight	✓ Litter	<b>✓</b> \	/eg. Debris 🗌 S	ediment [	Other	20	18	
Vegetation:	١	None	Inhibite	ed 🗌 E	Excessive			Sampling Results ——		
Benthic Gro	wth: N	None	Green	E	Brown			Sample Location: Po	ool	
Stains:	١	Vone	☐ Flow Li			ust Stains		Sample ID: 18	1024-6	I
			Paint		Other				:35	
Non-illicit:	Ν	None	Natura	Sheen		oam		Total Chlorine (field):	0	ppm
-Physical (	Condi	tion Assessment —						Free Chlorine (field):	0	ppm
Graffiti:	١	None						Ammonia (field):	0	ppm
Erosion:	١	None						pH (field):	7.31	units
Depositio	n: N	None Depth (in):						Temperature (field):	53	°F
Damage:	١	None Displace		Indercut Cracks/Str	Crushed uctural Damage			Conductivity (field): Detergents:	1242 0	μS/cm mg/L

06-216 US1 City of Oshkosh



Inspection Date: 9/10/20	009	Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Submerged: Fully	Unlikely Depth (in): 100	Inspector: JCW	River fly swarm inside manhole.	
Sampling Results  Sample Location: Pool	Floatables: Odor:	None None		
Total Chlorine: 0 pp.		None		
Free Chlorine: 0 pp. Ammonia: pp.		None None	Condition Assessment	
pH: 6.96 <sub>un</sub>	ts Vegetation:	None	Graffiti: None	
Temperature 79 ° F	Benthic Growth:	None	Erosion: None	Osh09_DSCN6788.JPG
Conductivity: $\mu$ S	/cm Stains:	None	Deposition: None 0 in.	2009
Detergents: 0 mg	/L Non-illicit:	None	Damage: None	2009

06-221 City of Oshkosh

Non-Priority Non-Major Outfall

# Structure Type:

Closed Pipe Outfall

# **Discharge Location:**

Water of the State

#### NR 216 Class:

Minor Outfall

# Shape:

Pipe - Circular

#### Material:

**RCP** 

# City ID:

N/A

## -Dimensions

Diameter (in): 12

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Desktop mapping estimate

✓ Not Physically Located



o20181024074400.JPG

## **Outfall Notes:**

N Campbell Rd storm sewer discharges to Campbell Creek from south. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates: Latitude/Longitude:

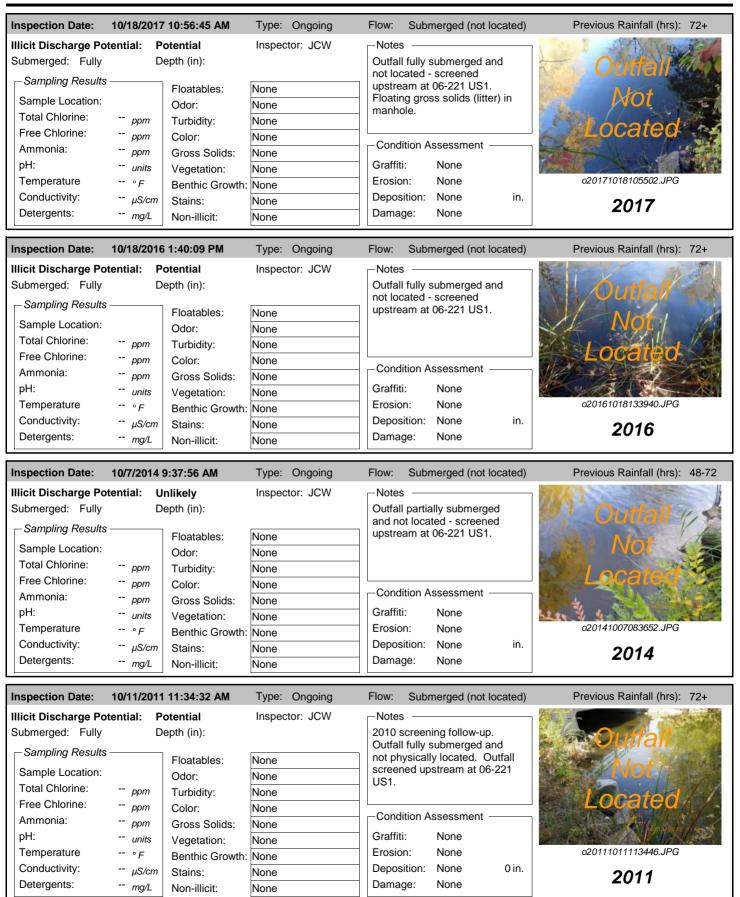
Northing: 474,575 Latitude: 44.02138 Easting: 787,954 Longitude: -88.55720





Inspection	Date:	10/24/2018 7:45:30	<b>AM</b> In	spector:	JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descri	-	Submerged (not le Depth (in)	•	Notes:	screened	ly submerged and rupstream at 06-22 ds (litter) in manhol	1 US1. Floating	A Suit	all
Illicit Discha	arge Pot	ential: Potential							
	None			Sheen _	_		gae	V V	***
Odor:	None		Petrole VOC/S	_	│Musty │Fishy	_	nlorine   Other agrant		
Turbidity:	None							一个 一个	PURE
Color:	None							o201810240744	02.JPG
Gross Solids	s: Non	е	Litter		/eg. Debris	Sediment	Other	2018	3
Vegetation:	Non	е	Inhibite	d 🗌 E	Excessive		_	Sampling Results ———	
Benthic Grov	wth: Non	е	Green	E	Brown			Sample Location:	
Stains:	Non	е	Flow Li	ne 🗌 (	Oil	Rust Stains		Sample ID:	
			Paint		Other			Time Collected:	
Non-illicit:	Non	е	Natural	Sheen	Natural	Suds/Foam		Total Chlorine (field):	ppm
-Physical (	Condition	Assessment —						Free Chlorine (field):	ppm ppm
Graffiti:	Non	е						Ammonia (field):	ppm
Erosion:	Non	е						pH (field):	units
Deposition	n: Non	e Depth (in):						Temperature (field):	°F
Damage:	Non	e Displace		ndercut racks/Str		ished nage		Conductivity (field): Detergents:	μS/cm mg/L
Erosion: Deposition	Non n: Non	e Depth (in): e Displace			☐ Cru uctural Dan			pH (field): Temperature (field): Conductivity (field):	unit ° F μS/c

06-221 City of Oshkosh



06-221 City of Oshkosh

Inspection Date:	8/18/2010	2:38:53 PM	Type: Ongoing	Flow:	Submerged (not lo	ocated)	Previous Rainfall (hrs): 72+		
Illicit Discharge Potential: Potential Submerged: Fully Depth (in):					fully submerged an		Outfall.		
Sampling Results		Floatables:	None	screen	ed upstream at 06-	221	Not West		
Sample Location:		Odor:	None	031.			Sirks WU		
Total Chlorine:	ppm	Turbidity:	None						
Free Chlorine:	ppm	Color:	None	0 11:	A		LOCALED .		
Ammonia:	ppm	Gross Solids:	None	Condi	tion Assessment –		会主义 一人		
pH:	units	Vegetation:	None	Graffiti	: None				
Temperature	∘ <i>F</i>	Benthic Growth:	None	Erosior	n: None		o20100818142820.JPG		
Conductivity:	μS/cm	Stains:	None	Deposi	tion: None	0 in.	2010		
Detergents:	mg/L	Non-illicit:	None	Damag	je: None		2010		

06-221 US1 City of Oshkosh

## Structure Type:

Manhole

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Minor Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

06-221

## -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

## **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181024074448.JPG

## **Outfall Notes:**

Upstream manhole located approx 25 ft SSW of outfall 06-221. Intermediate area consists of open space. 1.5" hose through side of manhole - tied around steps

County Coordinates: Latitude/Longitude:

Northing: 474,552 Latitude: 44.02132 Easting: 787,942 Longitude: -88.55724



Inspection	Date: 10	0/24/2018 7:47:1	9 AM In	spector:	JCW	Inspection Type	e: Ongoing	Previous Rainfall (hrs):	72+
Flow Descr Submerged:	Fully	ubmerged, inde Depth (in ntial: Potential	: 40	Notes:		collected from sub e. Floating gross so e.	0 1		
Floatables: Odor: Turbidity: Color:	None None None		Petrol. Petrole VOC/Se	_	Suds Musty Fishy	Sewage (	Algae		4456.JPG
Gross Solids Vegetation: Benthic Gro Stains:	s: Slight		✓ Litter ☐ Inhibite ☐ Green ☐ Flow Li ☐ Paint	d	Veg. Deb Excessive Brown Oil Other	_	Other		ol 024-17
Non-illicit:  —Physical ( Graffiti: Erosion: Depositio Damage:	None None	Assessment —  Depth (in):  Displace Corrosic		ndercut		ral Suds/Foam  Crushed amage		Time Collected: 07: Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field): Detergents:	0 ppm 0 ppm 0 ppm 7.59 units 52 ° F 575 μS/cm 0 mg/L

06-221 US1 City of Oshkosh



Deposition:

Damage:

None

None

0 in.

2011

Conductivity:

Detergents:

μS/cm

-- mg/L

Stains:

Non-illicit:

None

None

06-221 US1 City of Oshkosh

Inspection Date: 8	8/18/2010 2	2:43:51 PM	Type: Ongoing	Flow:	Submerged, indete	erminate	Previous Rainfall (hrs): 72+
Illicit Discharge Pote		otential	Inspector: JCW	-Notes			
Submerged: Fully	De	epth (in): 36			aper and other float in manhole.	able	
Sampling Results -		Floatables:	None				
	Pool	Odor:	None				
	0 <sub>ppm</sub>	Turbidity:	None				
Free Chlorine:	0 <sub>ppm</sub>	Color:	None	0	''' A		
Ammonia:	0 <sub>ppm</sub>	Gross Solids:	Moderate	Cond	ition Assessment —		
pH: 7.	.21 <sub>units</sub>	Vegetation:	None	Graffit	i: None		10.10.2010 14.33
Temperature	79 ∘ <sub>F</sub>	Benthic Growth:	None	Erosio	n: None		o20100818143354.JPG
Conductivity:	μS/cm	Stains:	None	Depos	sition: None	0 in.	2010
Detergents:	0 <sub>mg/L</sub>	Non-illicit:	None	Dama	ge: None		2010

06-253 City of Oshkosh

Priority Outfall

## Structure Type:

Closed Pipe Outfall

## **Discharge Location:**

Water of the State

## NR 216 Class:

Minor Outfall

## Shape:

Pipe - Elliptical

## Material:

**RCP** 

## City ID:

N/A

## -Dimensions

Diameter (in):

Height/Depth (in): 34

Width (in): 53

## **Mapping Precison:**

Desktop mapping estimate

■ Not Physically Located



o20181024072832.JPG

## **Outfall Notes:**

Storm sewer from Campbell Rd discharges to river from west. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

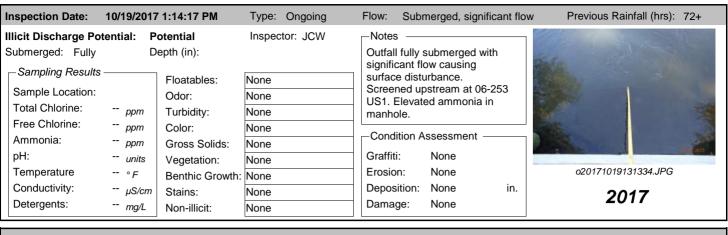
**County Coordinates:** Latitude/Longitude:
Northing: 474,389 Latitude: 44.02087

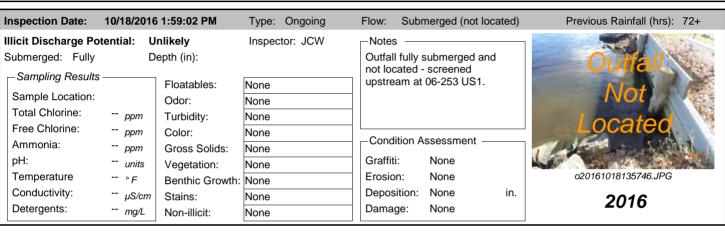
Easting: 788,576 Longitude: -88.55483

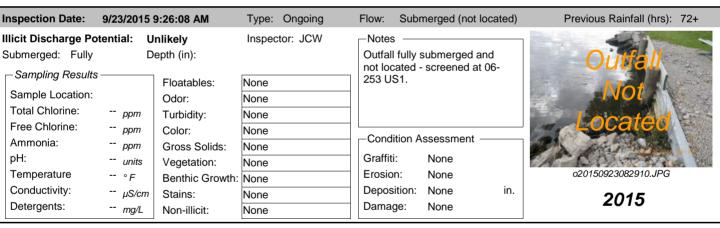


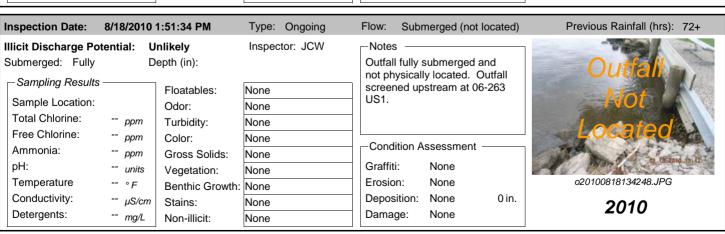
Inspection	Date:	10/24/2018 7:29:0	<b>2 AM</b> In	spector:	JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descr Submerged:	•	Submerged, sign Depth (in		Notes:	causing s upstream	Illy submerged, sign surface disturbance at 06-253 US1. Ele	. Screened evated ammonia		
Illicit Disch	arge Po	tential: Potential			and cond	luctivity in manhole.	•	100	
Floatables:	None		Petrol.	Sheen _	] Suds [	Sewage Ale	gae		
Odor:	None		Petrole	_	Musty [		nlorine  Other	100000	
Turbidity:	None		☐ VOC/S	olvent	Fishy	Sulfur Fr	agrant	4000	10.00
Color:	None							o201810240728	334.JPG
Gross Solids	s: No	ne	Litter		Veg. Debris	s Sediment	Other	2018	8
Vegetation:	No	ne	Inhibite	d 🔲 I	Excessive		Г	Sampling Results ———	
Benthic Gro	wth: No	ne	Green		Brown			Sample Location:	
Stains:	No	ne	Flow Li		Oil	Rust Stains		Sample ID:	
			Paint		Other			Time Collected:	
Non-illicit:	No	ne	Natural	Sheen	Natura	l Suds/Foam		Total Chlorine (field):	ppm
-Physical (	Conditio	n Assessment —						Free Chlorine (field):	ppm
Graffiti:	No	ne						Ammonia (field):	<i>ppm</i>
Erosion:	No	ne						pH (field):	units
Depositio	n: No	ne Depth (in):						Temperature (field):	° <i>F</i>
Damage:	No	ne Displace	ement 🗌 U	Indercut	Cr	ushed		Conductivity (field):	μS/cm
		Corrosio	on 🗌 C	racks/Str	uctural Dai	mage		Detergents:	mg/L

06-253 City of Oshkosh

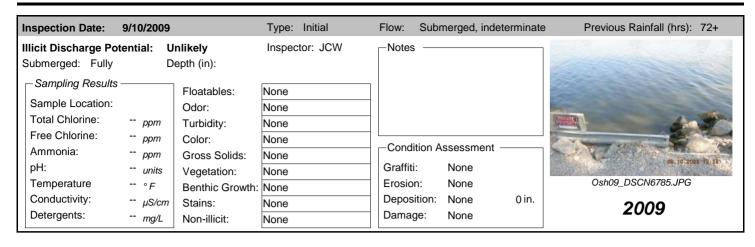








06-253 City of Oshkosh



06-253 US1 City of Oshkosh

## Structure Type:

Manhole

## **Discharge Location:**

Downstream Outfall

## NR 216 Class:

Major Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

06-253

## **Dimensions**

Diameter (in):

Height/Depth (in):

Width (in):

## **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181024071714 JPG

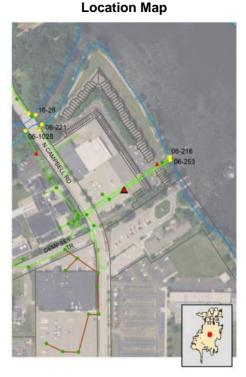
## **Outfall Notes:**

Upstream manhole located approx 266 ft WSW of outfall 06-253. Intermediate area consists of parking lot, multifamily residential buildings and garages.

**County Coordinates:** Latitude/Longitude: Northing: 474,249 Latitude: 44.02049

Easting: 788,349 Longitude: -88.55569





## **Inspection Date:** 10/24/2018 7:21:30 AM **JCW** Previous Rainfall (hrs): 72+ Inspector: Inspection Type: Ongoing Flow Description: Sample collected from submerged flow in Submerged, indeterminate Notes: manhole. Elevated ammonia and Submerged: Fully Depth (in): 46 conductivity in sample. Illicit Discharge Potential: Potential Other Petrol. Sheen Suds Floatables: None Sewage Algae Odor: None Petroleum Musty Sewage Chlorine ∇OC/Solvent Fishy Sulfur ✓ Fragrant Turbidity: None o20181024071720.JPG Color: None Gross Solids: Slight Litter ✓ Veg. Debris Sediment Other 2018 Vegetation: None Inhibited Excessive Sampling Results Benthic Growth: None Green Brown Sample Location: Stains: Flow Line Oil Rust Stains None Sample ID: 181024-99 Paint Other Time Collected: 07:19 Natural Sheen Natural Suds/Foam Non-illicit: None Total Chlorine (field): 0 ppm Physical Condition Assessment Free Chlorine (field): ppm ppm Graffiti: None Ammonia (field): 3 Erosion: pH (field): units None 7.27 ۰F Deposition: None Depth (in): Temperature (field): 52 Damage: None Conductivity (field): 2280 μS/cm ☐ Displacement ☐ Undercut Crushed Detergents: 0 mg/L Corrosion Cracks/Structural Damage

06-253 US1 City of Oshkosh



Deposition:

Damage:

None

None

0 in.

2010

Conductivity:

Detergents:

μS/cm

0 mg/L

Stains:

Non-illicit:

None

None

06-253 US1 City of Oshkosh

Inspection Date: 9/10/2009		Type: Initial	Flow:	Submerged,	slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: U	Inlikely	Inspector: JCW	-Note	s ———		
Submerged: Fully [	Pepth (in): 38		River manh	fly swarm insidule.	de	
Sampling Results	Floatables:	None				
Sample Location: Pool	Odor:	None				
Total Chlorine: 0 ppm	Turbidity:	None				
Free Chlorine: 0 ppm	Color:	None		l'Cara Aarana	1	
Ammonia: ppm	Gross Solids:	None	Cond	dition Assessm	nent ———	The second second
pH: 6.92 <sub>units</sub>	Vegetation:	None	Graffi	ti: None		11.00
Temperature 79 ∘ F	Benthic Growth:	None	Erosio	on: None		Osh09_DSCN6791.JPG
Conductivity: µS/cm	Stains:	None	Depo	sition: None	0 in.	2009
Detergents: 0 mg/L		None	Dama	ige: None		2009

06-471 City of Oshkosh

Non-Priority Non-Major Outfall

## Structure Type:

Closed Pipe Outfall

## **Discharge Location:**

MS4 Stormwater Facility

## NR 216 Class:

Supplemental Outfall

## Shape:

Pipe - Circular

## Material:

**RCP** 

## City ID:

N/A

## -Dimensions

Diameter (in): 18

Height/Depth (in):

Width (in):

## **Mapping Precison:**

Desktop mapping estimate

■ Not Physically Located



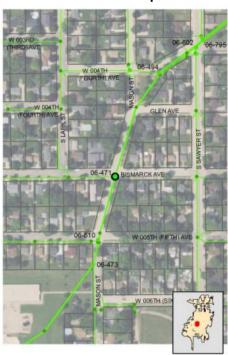
o20181025100846.JPG

## **Outfall Notes:**

Storm sewer from Bismarck Ave discharges to

stream (culvert) from west.

County Coordinates:Latitude/Longitude:Northing:471,979Latitude:44.01425Easting:784,853Longitude:-88.56898



Inspection	Date:	10/25/2018 10:09:	33 AM In	spector:	JCW	Inspection T	уре:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descr Submerged:	None	Depth (in	):	Notes:	Pipe we	et, but no flow at	time o	of inspection.		
Illicit Disch	arge Pote	ential: Unlikely								
Floatables:	None		Petrol.	Sheen [	Suds	Sewage	Alga	ae 🗌 Other		Million Land
Odor:	None		Petrole	_	Musty	Sewage	Chl	orine   Other	1000000	
<b>-</b>			☐ VOC/S	olvent [	Fishy	Sulfur	Fra	grant		THE PERSON
Turbidity:	None								o20181025100	838 JPG
Color:	None			_		_	_			
Gross Solids	s: Non	е	Litter		Veg. Deb	oris Sedimer	nt	Other	201	8
Vegetation:	None	e	Inhibite	ed 🗌	Excessive	е		_	Sampling Results ———	
Benthic Gro	wth: None	е	Green		Brown				Sample Location:	
Stains:	None	е	☐ Flow Li	ine 🗌	Oil	Rust Sta	ains		Sample ID:	
			Paint		Other				Time Collected:	
Non-illicit:	None	е	Natura	l Sheen	☐ Natu	ral Suds/Foam			Total Chlorine (field):	nnm
-Physical (	Condition	Assessment —							Free Chlorine (field):	ppm ppm
Graffiti:	None	e							Ammonia (field):	ppm
Erosion:	None	е							pH (field):	units
Deposition	n: Non	e Depth (in):							Temperature (field):	° <i>F</i>
Damage:	None	e 🗌 Displace	ement 🗌 L	Indercut		Crushed			Conductivity (field):	μS/cm
		Corrosio	on 🗌 C	Cracks/St	ructural D	amage			Detergents:	mg/L

06-473 City of Oshkosh

Non-Priority Non-Major Outfall

## Structure Type:

Closed Pipe Outfall

## **Discharge Location:**

MS4 Stormwater Facility

## NR 216 Class:

Supplemental Outfall

## Shape:

Pipe - Circular

## Material:

Cast Iron

## City ID:

N/A

## -Dimensions

Width (in):

Diameter (in): 24

Height/Depth (in):

## **Mapping Precison:**

■ Not Physically Located



o20181025100240.JPG

## **Outfall Notes:**

Mason Street storm sewer discharges to stream (culvert) from south.

County Coordinates:Latitude/Longitude:Northing:471,552Latitude:44.01308Easting:784,739Longitude:-88.56941



Inspection	Date: 10/26	6/2018 1:18:04 P	M Inspec	ctor: KMK	Inspection Type	: Repeat	Previous Rainfall (hrs)	72+	
Flow Descr	iption: Subr	nerged, slight fl	ow No		ent detection follow-	•			11
Submerged:	Partially	Depth (in):	2	screen	ing conducted beyo	nd sampling.	4 Harrison		1
Illicit Disch	arge Potentia	I: Potential						2004	HIII.
Floatables:	None		Petrol. Shee	en 🗌 Suds	Sewage /	Algae		N.	THE ST
Odor:	None		Petroleum	☐ Musty	Sewage 0	Chlorine  Other			All lines
Turbidity:	None		] VOC/Solver	nt  Fishy	Sulfur I	ragrant			ons rais
Color:	None						o2018102510	0244.JF	PG
Gross Solids			Litter	☐ Veg. Del	oris Sediment	Other	20 <sup>-</sup>	18	
Vegetation:	None		Inhibited	Excessiv	_	_	Sampling Results ——		
Benthic Gro	wth: None		Green	Brown			, 0		
Stains:	None		Flow Line	Oil	Rust Stains		Sample Location: Flo		_
			Paint	Other			•	1026-8	5
Non-illicit:	None		Natural She	en 🗌 Natu	ıral Suds/Foam		Time Collected: 13:	-	
⊢Physical (	Condition Asse	essment —					Total Chlorine (field): Free Chlorine (field):	0	ppm ppm
Graffiti:	None						Ammonia (field):	0	ррт
Erosion:	None						pH (field):	8.25	units
Depositio	n: None	Depth (in):					Temperature (field):	55	°F
Damage:	None	Displaceme	ent Under	rcut	Crushed		Conductivity (field):	1080	μS/cm
		Corrosion	_	s/Structural [	Damage		Detergents:	0.3	mg/L

06-473 City of Oshkosh

Inspection Date: 10	/25/2018	10:02:44 AM	Type: Ongoing	Flow:	Submerged, s	light flow	Previous Rainfall (hrs): 72+
Illicit Discharge Poten	itial: Po	otential	Inspector: JCW	-Note:	s ———		
Submerged: Partially	De	epth (in): 2			le collected from		
Sampling Results —		Floatables:	None		gent detected in		
	low	Odor:	None				
Total Chlorine:	O <sub>ppm</sub>	Turbidity:	None				
Free Chlorine:	O <sub>ppm</sub>	Color:	None	Cond	lition Assessme	n.t	
	O <sub>ppm</sub>	Gross Solids:	None	Cond	illion Assessme	nı —	
pH: 8.1	5 units	Vegetation:	None	Graffit	i: None		
	2 ∘ <i>F</i>	Benthic Growth:	None	Erosio	on: None		o20181025100244.JPG
Conductivity: 1289	9 <sub>μS/cm</sub>	Stains:	None	Depos	sition: None	in.	2018
	5 mg/L	Non-illicit:	None	Dama	ge: None		2016

06-478 City of Oshkosh

Non-Priority Non-Major Outfall

## Structure Type:

Closed Pipe Outfall

## **Discharge Location:**

Water of the State

## NR 216 Class:

Minor Outfall

## Shape:

Pipe - Circular

## Material:

**RCP** 

## City ID:

N/A

## -Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):

## Mapping Precison:

Mapping GPS

■ Not Physically Located



o20181025094302.JPG

## **Outfall Notes:**

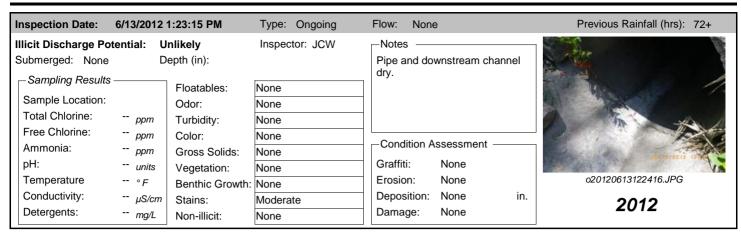
Storm sewer from Eagle St discharges to stream from north.

County Coordinates:Latitude/Longitude:Northing:470,926Latitude:44.01136Easting:783,989Longitude:-88.57226



Inspection	Date:	10/25/2018 9:45:3	<b>8 AM</b> In	spector:	JCW	Inspection T	Гуре:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Descr	•			Notes:	Sample	e collected from	pipe f	low.			
Submerged:			):								- Carle
Illicit Disch	arge P	otential: Unlikely									
Floatables:	None		Petrol.	Sheen [	Suds	Sewage	Alg	gae 🗌 Other			
Odor:	None		Petrole	um [	Musty	Sewage [	Ch	nlorine			AT
			☐ VOC/S	olvent [	Fishy	Sulfur	Fra	agrant			THE STATE OF THE S
Turbidity:	None								2010102500	004.45	
Color:	None								o20181025094	334.JF	G
Gross Solids	s: No	one	Litter		Veg. Deb	oris Sedime	nt [	Other	201	8	
Vegetation:	No	one	Inhibite	d 🗌	Excessiv	е			Sampling Results ———		
Benthic Gro	wth: Sli	ght	✓ Green		Brown				Sample Location: Flow	v	
Stains:	No	one	Flow Li	ne 🗌	Oil	Rust Sta	ains		·	025-7:	=
			Paint		Other				·		
Non-illicit:	No	one	Natural	Sheen	□ Natu	ral Suds/Foam			Time Collected: 09:4	6	
			reactaran	Oncon	reacu	rai Guasii Gaiii			Total Chlorine (field):	0	ppm
		on Assessment —							Free Chlorine (field):	0	ppm
Graffiti:	No	one							Ammonia (field):	0	ppm
Erosion:	No	one							pH (field):	7.81	units
Depositio	n: No	one Depth (in):							Temperature (field):	52	° F
Damage:	Mi	nor 🗸 Displace	ement 🗌 U	ndercut		Crushed			Conductivity (field):	851	μS/cm
		Corrosio	on 🗌 C	racks/St	ructural D	amage			Detergents:	0	mg/L

06-478 City of Oshkosh



06-494 City of Oshkosh

Non-Priority Non-Major Outfall

## Structure Type:

Closed Pipe Outfall

## **Discharge Location:**

MS4 Stormwater Facility

## NR 216 Class:

Supplemental Outfall

## Shape:

Pipe - Arch

## Material:

CMP

## City ID:

N/A

## -Dimensions

Diameter (in):

Height/Depth (in): 36

Width (in): 58

## **Mapping Precison:**

■ Not Physically Located



o20181025101450.JPG

## **Outfall Notes:**

Storm sewer from W 4th Ave discharges to stream (culvert) from west.

County Coordinates:Latitude/Longitude:Northing:472,482Latitude:44.01563Easting:785,074Longitude:-88.56814

# 06-602 W 004TH (FOURTH) AVE 06-494 GLEN AVE BISMARCK AVE 06-471

Inspection I	Date: 10/25	<b>5/2018 10:14:00 AM</b> In	spector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descri	iption: Subn	nerged, indeterminate		vault, with no discrete	•		The state of the s
Submerged:	Partially	Depth (in): 2		ranch. Screened upstr Detergent detected in			
Illicit Discha	arge Potentia	l: Potential		_	•		
Floatables:	None	Petrol.			lgae		
Odor:	None	Petrole			hlorine  Other		VA
,	None None	UVOC/S	olvent   Fishy	Sulfur F	ragrant	o20181025101	450.JPG
Gross Solids			□ Voa De	hrio 🗆 Codimont [	Othor	204	0
Gross Solids	S: None	Litter	∐ Veg. De	ebris	Other	201	ð
Vegetation:	None	Inhibite	d Excessi	ive		Sampling Results ———	
Benthic Grov	wth: None	Green	Brown			Sample Location:	
Stains:	None	☐ Flow Li	ne 🗌 Oil	Rust Stains		Sample ID:	
		☐ Paint	Other			Time Collected:	
Non-illicit:	None	☐ Natural	Sheen  Nat	ural Suds/Foam			
⊢Physical (	Condition Asse	essment —				Total Chlorine (field): Free Chlorine (field):	ppm ppm
Graffiti:	None					Ammonia (field):	ppm ppm
Erosion:	None					pH (field):	units
Deposition	n: None	Depth (in):				Temperature (field):	°F
Damage:	None	☐ Displacement ☐ U	Indercut	Crushed		Conductivity (field):	μS/cm
			racks/Structural			Detergents:	mg/L
							J

06-494 US1 City of Oshkosh

## Structure Type:

Manhole

## **Discharge Location:**

Downstream Outfall

## NR 216 Class:

Supplemental - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

N/A

## -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

## **Mapping Precison:**

Desktop mapping estimate

■ Not Physically Located



o20181025101934.JPG

## **Outfall Notes:**

Upstream manhole located approx 140 ft W of outfall 06-494. Intermediate area consists of street right-of-way.

County Coordinates: Latitude/Longitude:

Northing: 472,499 Latitude: 44.01568 Easting: 784,935 Longitude: -88.56867



Inspection	Date: 10/26	6/2018 1:36:51 PM In	spector: KMK	Inspection Type:	Repeat	Previous Rainfall (hrs):	72+	
Submerged:	-	nerged, indeterminate  Depth (in): 2  I: Potential		ent detection follow-u ing conducted beyond	•			
Floatables: Odor: Turbidity:	None None None None		,	Sewage CI	gae Other nlorine Other agrant	02018102510	1942.JP(	10/25/2018
Gross Solids Vegetation: Benthic Grov Stains:	None None	Litter Inhibite Green Flow Li Paint	☐ Brown		Other	Sampling Results  Sample Location: Poor Sample ID: 181  Time Collected: 13:	ol 1026-95	
Non-illicit:  —Physical ( Graffiti: Erosion: Deposition Damage:		Depth (in):		crushed		Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field): Detergents:	0 0 0 8.36 56 1787	ppm ppm ppm units F  µS/cm mg/L

06-494 US1 City of Oshkosh

Inspection Date:	10/25	5/2018 10:22:36	AM Type: Ongoing	Flow:	Submerged, ind	eterminate	Previous Rainfall (hrs): 72+
Illicit Discharge F	otentia	l: Potential	Inspector: JCW	-Note	es ———		
Submerged: Part	,	Depth (in):	2	subm	ole collected from nerged pool in man		
Sampling Resul	118	Floatable	s: None	Deter	gent detected in sa	ample.	<b>计</b> 机构建筑等
Sample Location	i: Pool	Odor:	None				
Total Chlorine:	0 <sub>p</sub>	pm Turbidity:	None				
Free Chlorine:	0 <sub>p</sub>	pm Color:	None				THE STATE OF THE S
Ammonia:	0 p	pm Gross So	lids: None	Con	dition Assessment		13 11/21
pH:	8.32 <sub>u</sub>	nits Vegetation	n: None	Graffi	iti: None		10/25/2018
Temperature	53 。	F Benthic G	Growth: None	Erosi	on: None		o20181025101942.JPG
Conductivity:	1884 μ		None	Depo	sition: None	in.	2019
Detergents:	0.3 <sub>n</sub>			Dama	age: None		2018

06-588 City of Oshkosh

**Location Map** Non-Priority Non-Major Outfall Structure Type: Closed Pipe Outfall **Discharge Location:** MS4 Stormwater Facility NR 216 Class: Supplemental Outfall Shape: Pipe - Circular Photo Not Available Material: CMP City ID: N/A **Outfall Notes:** Storm sewer from Durfee Ave discharges to stream Dimensions (culvert) from southeast. Diameter (in): 15 Height/Depth (in): Width (in): **County Coordinates:** Latitude/Longitude: Mapping Precison: Northing: Latitude: 44.01749 473,157 Easting: 785,967 Longitude: -88.56474 ■ Not Physically Located **Inspection Date:** 10/25/2018 10:57:00 AM **JCW** Previous Rainfall (hrs): Inspector: Inspection Type: Ongoing 72+ Flow Description: Submerged, indeterminate No discrete sample from Durfee Ave branch. Notes: Screened upstream at 06-795 US1. Submerged: Partially Depth (in): Illicit Discharge Potential: Unlikely Other Floatables: None Petrol. Sheen Suds Sewage Algae Odor: None Petroleum Musty Sewage Chlorine Other ∇OC/Solvent Fishy Sulfur Fragrant Photo Not Available Turbidity: None Color: None

## Gross Solids: None Litter ☐ Veg. Debris ☐ Sediment ☐ Other 2018 Vegetation: None Inhibited Excessive Sampling Results Benthic Growth: None Green Brown Sample Location: Stains: Flow Line Oil None Rust Stains Sample ID: Paint Other Time Collected: Natural Sheen Natural Suds/Foam Non-illicit: None Total Chlorine (field): ppm Physical Condition Assessment Free Chlorine (field): ppm Graffiti: None Ammonia (field): ppm Erosion: pH (field): None units Deposition: None Depth (in): Temperature (field): ۰F Damage: None Conductivity (field): μS/cm ☐ Displacement ☐ Undercut Crushed Detergents: mg/L Cracks/Structural Damage Corrosion

06-588 US1 City of Oshkosh

## Structure Type:

Manhole

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Minor Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - brick

## City ID:

N/A

## -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

## **Mapping Precison:**

Desktop mapping estimate

■ Not Physically Located



o20181025105916.JPG

## **Outfall Notes:**

Upstream manhole located approx 20 ft ESE of outfall 06-588. Intermediate area consists of street right-of-way.

County Coordinates: Latitude/Longitude:

Northing: 473,150 Latitude: 44.01747 Easting: 785,986 Longitude: -88.56468



## **Inspection Date:** 10/25/2018 11:02:33 AM **JCW** Previous Rainfall (hrs): 72+ Inspector: Inspection Type: Ongoing Flow Description: Submerged, indeterminate Sample collected from submerged pool in Notes: manhole Submerged: Partially Depth (in): 2 Illicit Discharge Potential: Unlikely Other Petrol. Sheen Suds Sewage Algae Floatables: None Odor: None Petroleum Musty Sewage Chlorine Other ∇OC/Solvent Fishy Sulfur Fragrant Turbidity: None o20181025105920.JPG Color: None Gross Solids: None Litter ☐ Veg. Debris ☐ Sediment ☐ Other 2018 Vegetation: None Inhibited Excessive Sampling Results Benthic Growth: None Green Brown Sample Location: Pool Stains: Flow Line Oil Rust Stains None Sample ID: 181025-86 Paint Other Time Collected: 11:02 Natural Sheen Natural Suds/Foam Non-illicit: None Total Chlorine (field): 0 ppm Physical Condition Assessment Free Chlorine (field): ppm Graffiti: None Ammonia (field): 0 ppm Erosion: pH (field): None 8.34 units ۰F Deposition: None Depth (in): Temperature (field): 54 Damage: None Conductivity (field): 1442 μS/cm ☐ Displacement ☐ Undercut Crushed Detergents: 0 mg/L Corrosion Cracks/Structural Damage

06-602 City of Oshkosh

Non-Priority Non-Major Outfall

## Structure Type:

Closed Pipe Outfall

## **Discharge Location:**

MS4 Stormwater Facility

## NR 216 Class:

Supplemental Outfall

## Shape:

Pipe - Circular

## Material:

**RCP** 

## City ID:

N/A

## -Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):

## **Mapping Precison:**

Not Physically Located



o20181025102944.JPG

## **Outfall Notes:**

Storm sewer from Sawyer St discharges to stream (culvert) from south.

County Coordinates:Latitude/Longitude:Northing:472,604Latitude:44.01597Easting:785,260Longitude:-88.56743

## 06-802 106-795 W 004TH (FOURTH) AVE

Inspection	Date: 10/2	25/2018 10:24:00 AM	nspector: J	JCW Inspe	ection Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Descr	iption: Sub	merged, indeterminate				wyer St branch.			
Submerged:	Partially	Depth (in):	\$	Screened upstre	eam at 06-60	02 US1.			
Illicit Disch	arge Potenti	al: Unlikely							
Floatables:	None	☐ Petrol	. Sheen 🗌 S	Suds	wage 🗌 Al	gae 🗌 Other			
Odor:	None	Petro		Musty Sev	• =	nlorine Other			
Turbidity:	None		Solvent F	risity 🗌 Sui	ilui 🔲 Fi	agrant	Photo Not A	vailable	
Color:	None								
Gross Solids	s: None	Litter	☐ Ve	g. Debris 🔲 S	Sediment [	Other	2018		
Vegetation:	None	Inhibit	ed Ex	cessive		_S	Sampling Results ———		
Benthic Grov	wth: None	Green	n 🗌 Bro	own			Sample Location:		
Stains:	None	Flow			Rust Stains		Sample ID:		
		Paint	Otl	her			Time Collected:		
Non-illicit:	None	☐ Natur	al Sheen	Natural Suds/	/Foam		Total Chlorine (field):	ppm	
-Physical (	Condition Ass	sessment ————					Free Chlorine (field):	ppm	
Graffiti:	None						Ammonia (field):	<i>ppm</i>	
Erosion:	None						pH (field):	units	
Deposition	n: None	Depth (in):					Temperature (field):	° <i>F</i>	
Damage:	None	Displacement	Undercut	Crushed			Conductivity (field):	μS/cm	
				tural Damage			Detergents:	mg/L	

06-602 US1 City of Oshkosh

## Structure Type:

Manhole

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Supplemental - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

N/A

## -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

## **Mapping Precison:**

Desktop mapping estimate

■ Not Physically Located



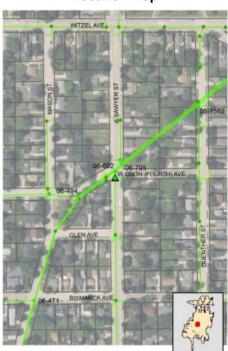
o20181025102816.JPG

## **Outfall Notes:**

Upstream manhole located approx 30 ft S of outfall 06-602. Intermediate area consists of street right-of-way.

County Coordinates: Latitude/Longitude:

Northing: 472,574 Latitude: 44.01589 Easting: 785,258 Longitude: -88.56744



Inspection	Date: 10/25	/2018 10:32:00 AM	nspector:	JCW I	nspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Submerged:	iption: None  None  arge Potential	Depth (in):	Notes:	Flowline wet of inspection	t, but no collectal า.	ble flow at time		J. K.
Floatables: Odor: Turbidity:	None None None None	Petro		Suds	Sewage Ch	gae	0201810251028	26.JPG
Gross Solids Vegetation: Benthic Gros Stains:	Sight None	Litter Inhibi Greel Flow Paint	ted E	/eg. Debris [ Excessive Brown Dil [ Other	Sediment Rust Stains	Other	2018 Sampling Results Sample Location: Sample ID: Time Collected:	3
Non-illicit:  —Physical ( Graffiti: Erosion: Deposition Damage:	None Condition Asse None None n: None None		al Sheen [ Undercut Cracks/Stru	□ Natural Si □ Crush uctural Dama	ned		Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field): Detergents:	ppm ppm ppm units ° F μS/cm mg/L

06-610 City of Oshkosh

Non-Priority Non-Major Outfall

## Structure Type:

Closed Pipe Outfall

## **Discharge Location:**

MS4 Stormwater Facility

## NR 216 Class:

Supplemental Outfall

## Shape:

Pipe - Circular

## Material:

CMP

## City ID:

N/A

## Dimensions

Width (in):

Diameter (in): 15

Height/Depth (in):

## **Mapping Precison:**

■ Not Physically Located



o20181025095718.JPG

## **Outfall Notes:**

Storm sewer from W 5th Ave enters stream (culvert) from west.

**County Coordinates:** Latitude/Longitude: Northing: Latitude: 44.01341 471,670 Easting: 784,765 Longitude: -88.56931





**Location Map** 

## **Inspection Date:** 10/26/2018 1:12:01 PM Inspector: **KMK** Previous Rainfall (hrs): 72+ Inspection Type: Repeat Flow Description: Submerged, slight flow Detergent detection follow-up. Limited Notes: screening conducted beyond sampling. Submerged: Partially Depth (in): 2 Illicit Discharge Potential: Potential Petrol. Sheen Suds Sewage Algae Other Floatables: None Odor: None Petroleum Musty Sewage Chlorine Other ∇OC/Solvent Fishy Sulfur Fragrant Turbidity: None o20181025095732.JPG Color: None Gross Solids: None Litter ☐ Veg. Debris ☐ Sediment ☐ Other 2018 Vegetation: None Inhibited Excessive Sampling Results Benthic Growth: None Green Brown Sample Location: Flow Stains: Flow Line Oil None Rust Stains Sample ID: 181026-16 Paint Other Time Collected: 13:12 Natural Sheen Natural Suds/Foam Non-illicit: None Total Chlorine (field): 0 ppm Physical Condition Assessment Free Chlorine (field): ppm Ammonia (field): ppm Graffiti: None 0 Erosion: pH (field): None 8.17 units ۰F Deposition: None Depth (in): Temperature (field): 55 Damage: None Conductivity (field): 1215 μS/cm ☐ Displacement ☐ Undercut Crushed Detergents: 0.45 mg/L Cracks/Structural Damage Corrosion

06-610 City of Oshkosh

Inspection Date: 10/	/25/2018	9:59:28 AM	Type: Ongoing	Flow:	Submerged, indeterm	ninate	Previous Rainfall (hrs): 72+
Illicit Discharge Potent	tial: Po	otential	Inspector: JCW	-Notes	<b>;</b>		
Submerged: Partially	De	epth (in): 2			e collected from erged pool in manhole.		
Sampling Results —		Floatables:	None	Deterg	ent detected in sample	e.	A 27 1
Sample Location: Po	ool	Odor:	None				
Total Chlorine: 0	ppm	Turbidity:	None				
Free Chlorine: 0	ppm	Color:	None				Cos - Total
Ammonia: 0	ppiii	Gross Solids:	None	Cond	ition Assessment ——		
pH: 8.09	units	Vegetation:	None	Graffit	i: None		
· ·	°F	Benthic Growth:	None	Erosio	n: None		o20181025095732.JPG
	μS/cm	Stains:	None	Depos	ition: None	in.	2018
Detergents: 0.5	mg/L	Non-illicit:	None	Dama	ge: None		2010

06-729 City of Oshkosh

Non-Priority Non-Major Outfall

## Structure Type:

Closed Pipe Outfall

## **Discharge Location:**

Water of the State

## NR 216 Class:

Minor Outfall

## Shape:

Pipe - Circular

## Material:

RCP

## City ID:

N/A

## Dimensions

Diameter (in): 18

Height/Depth (in):

Width (in):

## Mapping Precison:

Desktop mapping estimate

✓ Not Physically Located

o20100825103932.JPG

## **Outfall Notes:**

Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

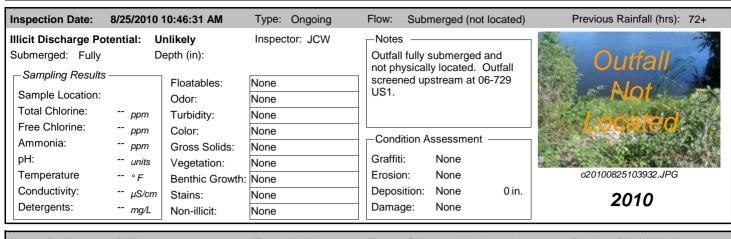
**County Coordinates:** Northing: Latitude: 44.01999 474,070 Easting: 786,965 Longitude: -88.56095

Latitude/Longitude:

**Location Map** 

## **Inspection Date:** 10/25/2018 1:35:00 PM Inspector: **JCW** Previous Rainfall (hrs): 72+ Inspection Type: Ongoing Flow Description: Outfall fully submerged and not physically Submerged (not located) Notes: located. Outfall screened upstream at 06-Outfall Submerged: Fully Depth (in): 729 US1. Illicit Discharge Potential: Unlikely Other Floatables: None Petrol. Sheen Suds Sewage Algae Located Odor: None Petroleum Musty Sewage Chlorine Other ∇OC/Solvent Fishy Sulfur Fragrant Photo Not Available Turbidity: None Color: None Gross Solids: None Litter ☐ Veg. Debris ☐ Sediment ☐ Other 2018 Vegetation: None Inhibited Excessive Sampling Results Benthic Growth: None Green Brown Sample Location: Stains: Flow Line Oil None Rust Stains Sample ID: Paint Other Time Collected: Natural Sheen Natural Suds/Foam Non-illicit: None Total Chlorine (field): ppm Physical Condition Assessment Free Chlorine (field): ppm Graffiti: None Ammonia (field): ppm Erosion: pH (field): None units Deposition: None Depth (in): 0 Temperature (field): ۰F Damage: None Conductivity (field): μS/cm ☐ Displacement ☐ Undercut Crushed Detergents: mg/L Cracks/Structural Damage Corrosion

06-729 City of Oshkosh



Inspection Date:	9/10/2009		Type: Initial	Flow: S	ubmerged, inde	eterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Pot Submerged: Fully	De	nlikely epth (in):	Inspector: JCW	-Notes -			
Sampling Results Sample Location:			None None				
Total Chlorine: Free Chlorine:	ppm ppm	Turbidity:	None None				
Ammonia: pH:	ppm	Gross Solids:	None	Conditio	n Assessment None		
Temperature	units ° F	Vegetation: Benthic Growth:	None None	Erosion:	None		Osh09_DSCN6817.JPG
Conductivity: Detergents:	μS/cm mg/L		None None	Deposition Damage:		0 in.	2009

06-729 US1 City of Oshkosh

## Structure Type:

Manhole

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Major Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

06-729

## -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

## **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181025134808.JPG

## **Outfall Notes:**

Upstream manhole located approx 522 ft SSE of outfall 06-729. Intermediate manholes located inside wastewater treatment plant fence.

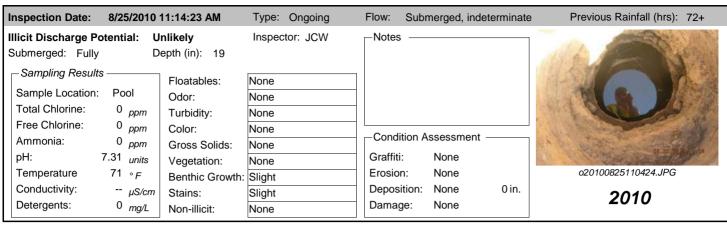
County Coordinates: Latitude/Longitude:

Northing: 473,600 Latitude: 44.01870 Easting: 787,169 Longitude: -88.56018



Inspection I	Date: 10/25	5/2018 1:50:14 PM	Inspector:	JCW	Inspection Type	e: Ongoing	Previous Rainfall (hrs):	72+	
Flow Descri	iption: Subr	nerged, indeterminat	e Notes:		e collected from sub	merged pool in			1
Submerged:	Fully	Depth (in): 19		manho	ie.		the state of the s		1
Illicit Discha	arge Potentia	I: Unlikely					1616	1	NE
Floatables:	None	Peti	rol. Sheen	Suds	Sewage .	Algae	r		
Odor:	None		roleum	Musty	Sewage 0	Chlorine  Othe	г	de	
<b>-</b>	<b>.</b>	Voc	C/Solvent [	Fishy	Sulfur I	-ragrant			The same of
Turbidity:	None						A A STATE OF THE S		一
Color:	None						o2018102513	4812.JF	PG
Gross Solids	s: None	Litte	er 🗌	Veg. Deb	oris Sediment	Other	201	18	
Vegetation:	None	Inhi	bited	Excessiv	е	Г	-Sampling Results		
Benthic Grov	wth: None	☐ Gre	en 🗌	Brown			Sample Location: Poo	nl .	
Stains:	None	☐ Flow	v Line	Oil	Rust Stains		•	025-1	38
		Pair	nt 🗌	Other			·		30
Non-illicit:	None	Nati	ural Sheen	☐ Natu	ral Suds/Foam		Time Collected: 13:	50	
			urai Oriccii	Ivatu	rai Odds/i Oairi		Total Chlorine (field):	0	ppm
Physical (	Condition Asse	essment ————					Free Chlorine (field):	0	ppm
Graffiti:	None						Ammonia (field):	0	ppm
Erosion:	None						pH (field):	7.30	units
Deposition	n: None	Depth (in):					Temperature (field):	58	°F
Damage:	None	Displacement	Undercut		Crushed		Conductivity (field):	1119	μS/cm
		Corrosion	Cracks/St				Detergents:	0	mg/L

06-729 US1 City of Oshkosh



nspection Date:	9/10/2009		Type: Initial	Flow: S	Submerged, slig	ght flow	Previous Rainfall (hrs): 72+
Illicit Discharge Por Submerged: Fully	De	nlikely epth (in): 13	Inspector: JCW	-Notes			1
-Sampling Results		Floatables:	None				
Sample Location:	Pool	Odor:	None				
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None				
Free Chlorine:	0 <sub>ppm</sub>	Color:	None				
Ammonia:	ppm	Gross Solids:	None	— Condition	on Assessment		
pH:	7.2 <sub>units</sub>	Vegetation:	None	Graffiti:	None		000 15:20
Temperature	75 ∘ <sub>F</sub>	Benthic Growth:	None	Erosion:	None		Osh09_DSCN6819.JPG
Conductivity:	μS/cm		None	Depositi	on: None	0 in.	2000
Detergents:	0 mg/L		None	Damage	: None		2009

06-795 City of Oshkosh

Non-Priority Non-Major Outfall

## Structure Type:

Closed Pipe Outfall

## **Discharge Location:**

MS4 Stormwater Facility

## NR 216 Class:

Supplemental Outfall

## Shape:

Pipe - Circular

## Material:

**RCP** 

## City ID:

N/A

## -Dimensions

Diameter (in): 12

Height/Depth (in):

Width (in):

## **Mapping Precison:**

■ Not Physically Located



o20181025103616.JPG

## **Outfall Notes:**

Storm sewer from Sawyer St discharges to stream (culvert) from north.

County Coordinates:Latitude/Longitude:Northing:472,642Latitude:44.01607Easting:785,291Longitude:-88.56731

Inspection	Date: 10/2	<b>5/2018 10:32:00 AM</b> In	spector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+		
Flow Descr	iption: Sub	merged, indeterminate							
Submerged:	Partially	Depth (in):	Scree	ned upstream at 06-79					
Illicit Discha	arge Potenti	al: Unlikely							
Floatables:	None	Petrol.	Sheen Suds	Sewage Alg	gae 🗌 Other				
Odor:	None	Petrole	eum 🔲 Musty	Sewage Cr	nlorine  Other				
		VOC/S	olvent  Fishy	Sulfur Fra	agrant	D			
Turbidity:	None					Photo Not A	vailable		
Color:	None								
Gross Solids	s: None	Litter	☐ Veg. De	ebris Sediment	Other	201	8		
Vegetation:	None	Inhibite	ed Excessi	ve	_;	Sampling Results ———			
Benthic Grov	wth: None	Green	Brown			Comple Leastion			
Stains:	None	☐ Flow L	ine 🗌 Oil	Rust Stains		Sample Location:			
	L	Paint	Other			Sample ID:			
Non-illicit:	None	Natura	l Sheen □ Nat	ural Suds/Foam		Time Collected:			
			r Griccii rvat	arar Gado/r Garri		Total Chlorine (field):	ppm		
_	Condition Ass	sessment ————				Free Chlorine (field):	<i>ppm</i>		
Graffiti:	None					Ammonia (field):	<i>ppm</i>		
Erosion:	None					pH (field):	units		
Deposition	n: None	Depth (in):				Temperature (field):	° F		
Damage:	None	Displacement U	Jndercut	Crushed		Conductivity (field):	μS/cm		
		Corrosion C	Cracks/Structural	Damage		Detergents:	mg/L		

06-795 US1 City of Oshkosh

## Structure Type:

Manhole

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Supplemental - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

N/A

## -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

## **Mapping Precison:**

Desktop mapping estimate

■ Not Physically Located



o20181025103444.JPG

## **Outfall Notes:**

Upstream manhole located approx 17 ft WNW of outfall 06-795. Intermediate area consists of street right-of-way.

County Coordinates: Latitude/Longitude:

Northing: 472,658 Latitude: 44.01612 Easting: 785,285 Longitude: -88.56734



Inspection	Date: 1	0/25/2018 10:34:4	<b>49 AM</b> In	spector:	JCW	Inspection	Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Descr Submerged:	-	Submerged, indet Depth (in)		Notes:	Sample manhol	e collected from e.	n subm	erged pool in			
Illicit Discha Floatables: Odor:		ntial: Unlikely	Petrol.	Sheen _	] Suds	Sewage	_	gae Other			
Turbidity:	None None		☐ VOC/S	_	Fishy	Sulfur		agrant	02018102510	3450.JF	PG
Gross Solids Vegetation:	s: None		Litter		Veg. Deb		ent [	Other	201	8	
Benthic Gro			Green Flow Li Paint	ne	Brown Oil Other	☐ Rust S	Stains		·	025-72	2
Graffiti: Erosion: Deposition	None None n: None	Assessment Depth (in):		Sheen		ral Suds/Foam	1		Time Collected: 10::  Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field):	0 0 0 8.52 53	ppm ppm ppm units ° F µS/cm
Damage:	None	☐ Displace		Indercut Cracks/Str	uctural D	Crushed amage			Conductivity (field): Detergents:	849 0	μS/cm mg/L

06-810 City of Oshkosh

Priority Outfall

## Structure Type:

Closed Pipe Outfall

## Discharge Location:

Water of the State

## NR 216 Class:

Major Outfall

## Shape:

Pipe - Circular

## Material:

**RCP** 

## City ID:

N/A

## -Dimensions

Diameter (in):

Height/Depth (in): 38

Width (in): 60

## **Mapping Precison:**

Desktop mapping estimate

✓ Not Physically Located



o20181022164102.JPG

## **Outfall Notes:**

Storm sewer from Ohio St discharges to river from west. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

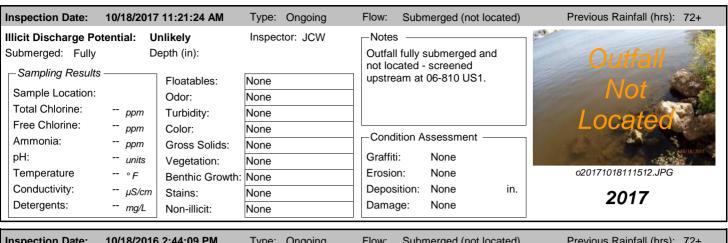
County Coordinates: Latitude/Longitude:
Northing: 473,225 Latitude: 44.01768

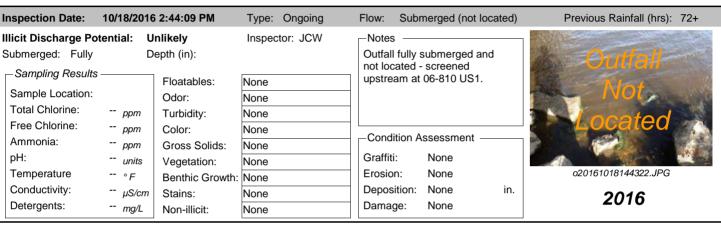
Northing: 473,225 Latitude: 44.01768 Easting: 789,346 Longitude: -88.55190



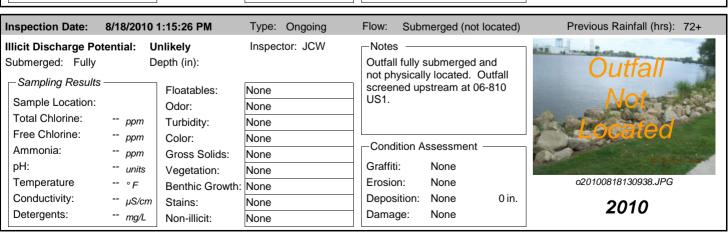
Flow Description: Submerged (not located) Submerged: Fully Depth (in): Illicit Discharge Potential: Potential  Floatables: None	Inspection Date:	10/22/2018 4:42:27	PM Inspector:	JCW Inspec	ction Type: Ongoing	Previous Rainfall (hrs): 48-72
Floatables: None	Submerged: Full	ly Depth (in):	,	screened upstrea	m at 06-810 US1. Floa	
Vegetation: None Inhibited Excessive   Benthic Growth: None Green Brown   Stains: None Flow Line Oil Rust Stains   Paint Other Time Collected:   Non-illicit: None Natural Sheen Natural Suds/Foam   Physical Condition Assessment Free Chlorine (field): ppm   Free Chlorine (field): ppm	Floatables: None Odor: None Turbidity: None		Petroleum	Musty Sew	age Chlorine	Other Located 1977
Benthic Growth: None Green Brown Stains: None Flow Line Oil Rust Stains Paint Other  Non-illicit: None Natural Sheen Natural Suds/Foam  Physical Condition Assessment  Sample Location: Sample Location:  Sample Location:  Time Collected: Total Chlorine (field): ppm Free Chlorine (field): ppm				• _	ediment Other	
Non-illicit: None Natural Sheen Natural Suds/Foam Total Chlorine (field): ppm  - Physical Condition Assessment Free Chlorine (field): ppm	Benthic Growth:	None	Green I	Brown	ust Stains	Sample Location: Sample ID:
			Natural Sheen	Natural Suds/F	oam	Total Chlorine (field): ppm
Graffiti: None Erosion: None Deposition: None Deposition: None Deposition: None Deposition: None Deposition: Damage: None Displacement Corrosion Cracks/Structural Damage  Ammonia (field): ppm  pH (field): units  Temperature (field): ° F  Conductivity (field): µS/cm  Detergents: mg/L	Erosion: N Deposition: N	None Depth (in): None Displace				Ammonia (field): ppm pH (field): units  Temperature (field): ° F  Conductivity (field): μS/cm

06-810 City of Oshkosh

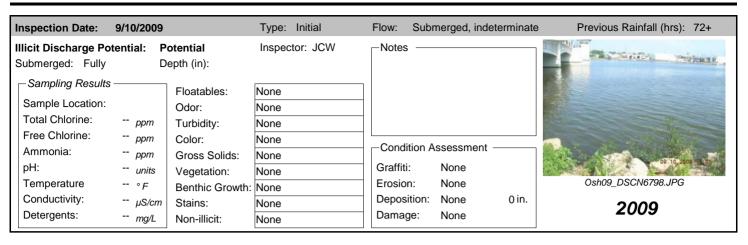




Inspection Date:	9/23/2015	9:09:50 AM	Type: Ongoing	Flow:	Subn	nerged (not loca	ated)	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Fully — Sampling Results	D	nlikely epth (in):	Inspector: JCW	not lo	II fully s cated -	submerged and screened at 06	-	Outfall
Sample Location: Total Chlorine: Free Chlorine:	ppm	Odor: Turbidity:	None None None	810 U	IS1.			Not. Located.
Ammonia: pH: Temperature	ppm ppm units ° F	Vegetation:	None None	- Cond Graffi	ti:	Ssessment — None None		o20150923081344.JPG
Conductivity: Detergents:	μS/cm mg/L		None None None	Depos	sition:	None None	in.	2015



06-810 City of Oshkosh



06-810 US1 City of Oshkosh

## Structure Type:

Manhole

## **Discharge Location:**

Downstream Outfall

## NR 216 Class:

Major Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

06-810

## -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

## **Mapping Precison:**

Mapping GPS

☐ Not Physically Located



o20181022164214.JPG

## **Outfall Notes:**

Upstream manhole located approx 77 ft SW of outfall 06-810. Intermediate area consists of open area.

**County Coordinates:** Latitude/Longitude:

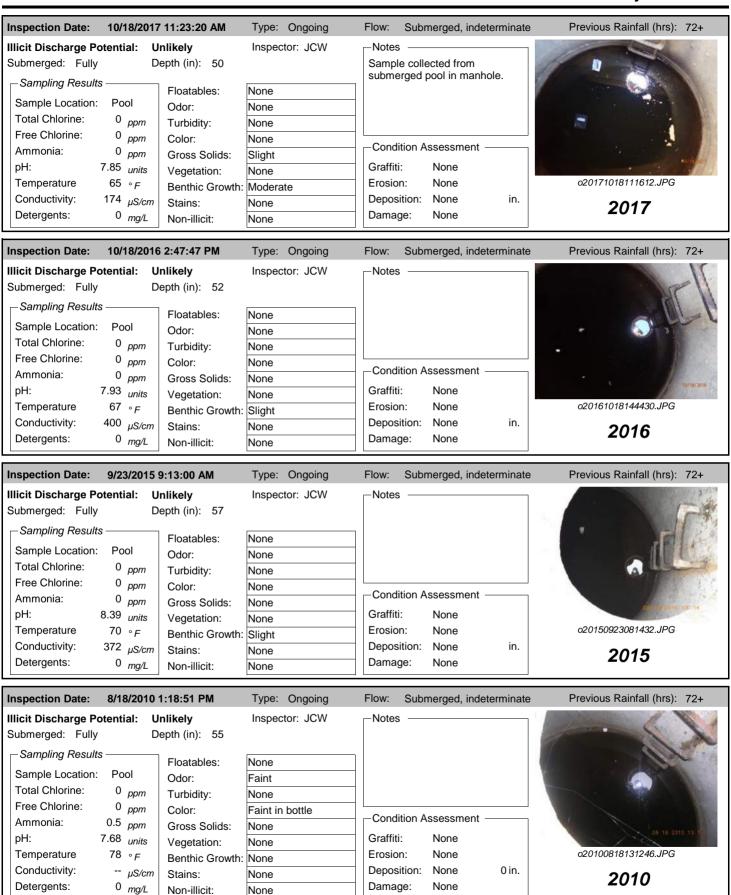
Northing: 473,170 Latitude: 44.01753

Easting: 789,293 Longitude: -88.55210

## 06-810 Amatrical Solution (1997) October 101-278

Inspection [	Date: 10/22/	/2018 4:45:48 PM	Inspector:	JCW Inspe	ection Type:	Ongoing	Previous Rainfall (hrs):	48-7	<b>7</b> 2
Submerged:	-	perged, indetermina Depth (in): 58  Potential	Notes:	Sample collecte manhole. Floatir manhole.		0 ,	1	,	
Odor:	None None None	Pet	rol. Sheen roleum C/Solvent		vage 🗌 Ch	gae	020181022164	4226.JF	19/22/36II
Gross Solids Vegetation: Benthic Grov Stains:	: Slight None	Gre	ibited	Excessive Brown	Sediment	Other	Sampling Results  Sample Location: Poor Sample ID: 181	1 <b>8</b> ol 022-66	
Non-illicit:  —Physical C Graffiti: Erosion: Deposition Damage:	None Condition Asset None None n: None None		ural Sheen  Undercut Cracks/Str	Natural Suds/ Crushed uctural Damage	Foam		Time Collected: 16:4 Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field): Detergents:	0 0 0 7.70 55 370 0	ppm ppm ppm units ° F μS/cm mg/L

06-810 US1 City of Oshkosh



06-810 US1 City of Oshkosh

Inspection Date:	9/10/2009		Type: Initial	Flow:	Submerged, inde	eterminate	Previous Rainfall (hrs): 72+
Illicit Discharge P	otential: Po	otential	Inspector: JCW	-Notes	s <del></del>		
Submerged: Parti	•	epth (in): 6			mal detergent ana (bubbles)	alysis	⊕ 8 / 18 / 18 / 18 / 18 / 18 / 18 / 18 /
Sampling Result	's —	Floatables:	None		,		
Sample Location:	Pool	Odor:	None				
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None				
Free Chlorine:	0 <sub>ppm</sub>	Color:	None	<b></b>			1
Ammonia:	ppm	Gross Solids:	None	Cond	ition Assessment		
pH:	8.42 <sub>units</sub>	Vegetation:	None	Graffit	i: None		All: 10.2008 34:08
Temperature	82 ∘ <sub>F</sub>	Benthic Growth:	None	Erosio	n: None		Osh09_DSCN6801.JPG
Conductivity:	μS/cm	Stains:	None	Depos	sition: None	0 in.	2000
Detergents:	0 <sub>mg/L</sub>	Non-illicit:	None	Dama	ge: None		2009

06-829 City of Oshkosh

Non-Priority Non-Major Outfall

# Structure Type:

Closed Pipe Outfall

# **Discharge Location:**

Water of the State

#### NR 216 Class:

Minor Outfall

#### Shape:

Pipe - Circular

#### Material:

**RCP** 

# City ID:

N/A

# -Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181025133424.JPG

#### **Outfall Notes:**

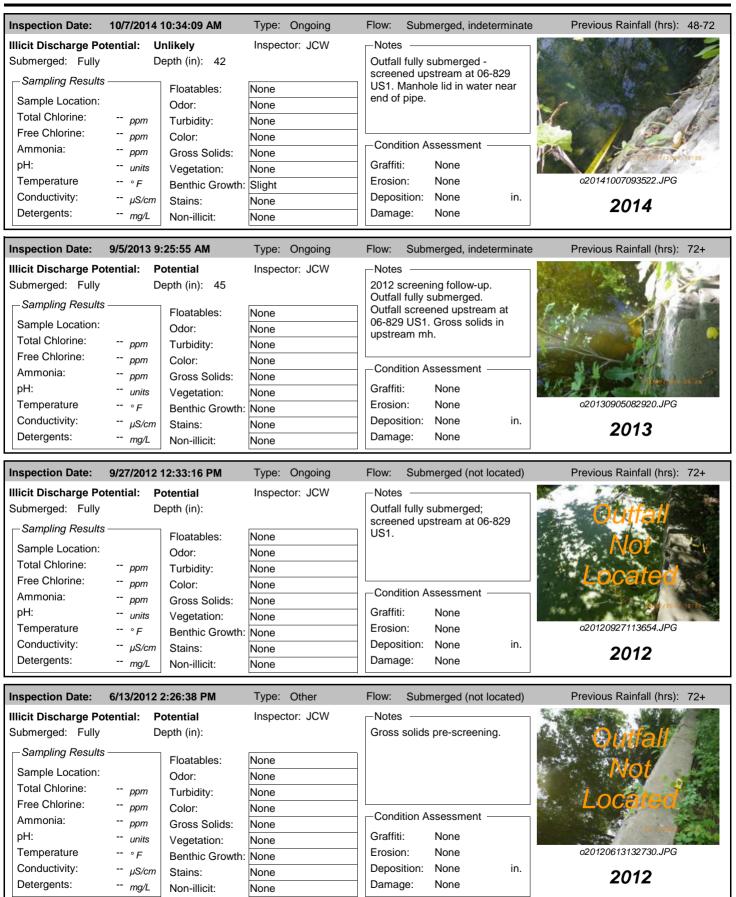
Storm sewer from Josslyn St discharges to stream from west. Exits wall approx 9' north of fence.

County Coordinates:Latitude/Longitude:Northing:473,749Latitude:44.01911Easting:786,270Longitude:-88.56360



Inspection	Date: 10/25	/2018 1:36:22 PM	Inspector:	JCW I	nspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descri Submerged:	Fully	nerged, indeterminate Depth (in):	Notes:		submerged - scr IS1. Floating gros			1
Floatables: Odor: Turbidity:	None None None None	Petro	ol. Sheen oleum oleum oleum	Suds	Sewage C	gae Other nlorine Other agrant	0201810251334	32.JPG
Gross Solids Vegetation: Benthic Grov Stains:	None	Litte Inhib Gree Flow Pain	ited	Veg. Debris Excessive Brown Oil Other	Sediment  Rust Stains		2018 Sampling Results Sample Location: Sample ID: Time Collected:	3
Non-illicit: —Physical ( Graffiti: Erosion: Deposition Damage:	None Condition Asse None None n: None None		ral Sheen    Undercut   Cracks/Str	☐ Natural S ☐ Crusi uctural Dama			Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field): Detergents:	ppm ppm ppm units ° F µS/cm mg/L

06-829 City of Oshkosh



06-829 US1 City of Oshkosh

# Structure Type:

Manhole

# **Discharge Location:**

Downstream Outfall

#### NR 216 Class:

Minor Outfall - Alternate Location

#### Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

#### City ID:

06-831

#### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181025133810.JPG

#### **Outfall Notes:**

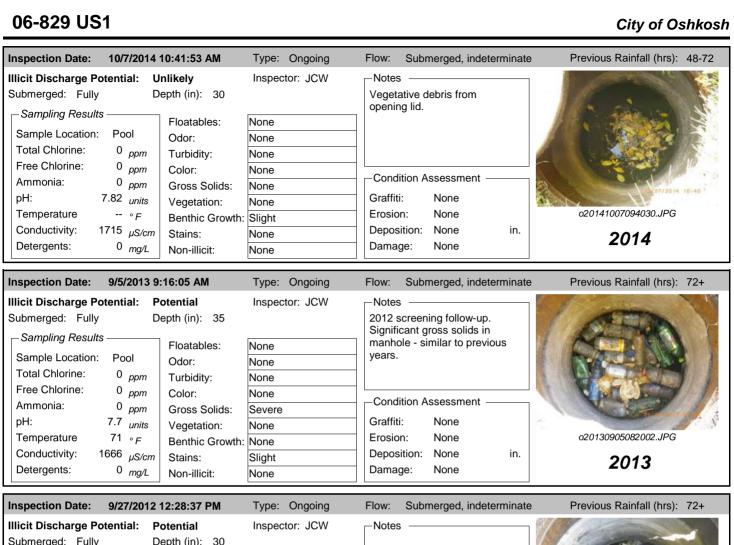
Upstream manhole located approx 360 ft W of outfall 06-829. Intermediate area consists of multifamily residential and commercial properties. Two downstream manholes not located. High school located immediately upstream.

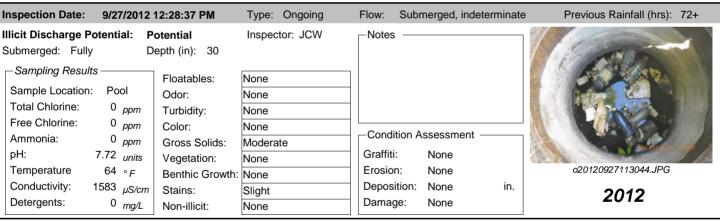
**County Coordinates:** Latitude/Longitude: Northing:

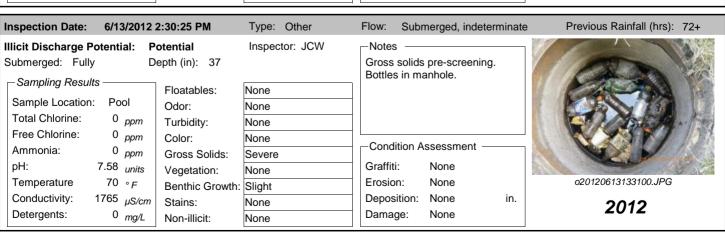
473,756 Latitude: 44.01913 Easting: 785,906 Longitude: -88.56498



Inspection	Date: 10/2	5/2018 1:40:19 PM Ir	nspector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Submerged	Fully	Depth (in): 39	man	ple collected from subm hole. Floating gross soli hole.	0 ,	The state of the s	
Floatables: Odor: Turbidity:	None None	Petrol.	Sheen Sudseum Musi	ty Sewage Cl	gae Other		
Color:	None					o20181025133	3814.JPG
Gross Solids	s: Moderate	<b>✓</b> Litter	Ueg. D	Debris Sediment	Other	201	8
Vegetation: Benthic Gro Stains:	None wth: Slight None	☐ Inhibite  ☑ Green ☐ Flow L ☐ Paint	Brown			Sampling Results  Sample Location: Poo Sample ID: 181  Time Collected: 13:4	025-132
Non-illicit:	None		l Sheen 🗌 Na	atural Suds/Foam		Total Chlorine (field):	0 <i>ppm</i>
Graffiti: Erosion: Depositio Damage:	None None None n: None None	Depth (in):	Jndercut [ Cracks/Structura	Crushed		Free Chlorine (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field): Detergents:	0 ppm 0 ppm 7.64 units 58 ° F 1550 μS/cm 0 mg/L







06-1562 City of Oshkosh

Non-Priority Non-Major Outfall

# Structure Type:

Closed Pipe Outfall

#### **Discharge Location:**

MS4 Stormwater Facility

#### NR 216 Class:

Supplemental Outfall

#### Shape:

Pipe - Circular

#### Material:

CMP

# City ID:

N/A

#### -Dimensions

Diameter (in): 18

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Desktop mapping estimate

☐ Not Physically Located



o20181025104916.JPG

#### **Outfall Notes:**

Storm sewer from Guenther St discharges to stream (culvert) from south.

County Coordinates:Latitude/Longitude:Northing:472,922Latitude:44.01684Easting:785,668Longitude:-88.56588



Inspection	Date:	10/25/2018 10:49:	<b>47 AM</b> In	spector:	JCW	Inspection T	Туре: О	ngoing	Previous Rainfall (hrs)	: 72+	
Flow Descr	iption:	Submerged, inde	terminate	Notes:		collected from	submerg	ged pool in	7		71-1
Submerged:	Partia	ally Depth (in	): 4		manhol	e.			11/1/1		
Illicit Disch	arge Po	tential: Unlikely									
Floatables:	None		Petrol.	Sheen [	Suds	Sewage [	Algae	e Other			
Odor:	None		Petrole	_	Musty	Sewage	Chlor			100	
			U VOC/S	olvent	Fishy	Sulfur	Fragr	rant			
Turbidity:	None								201010051	4000 45	
Color:	None								o2018102510	14932.JP	G
Gross Solids	s: No	ne	Litter		Veg. Deb	ris Sedime	ent 🗌 C	Other	20	18	
Vegetation:	No	ne	Inhibite	ed 🗌	Excessive	Э		Г;	Sampling Results ——		
Benthic Gro	wth: No	ne	Green		Brown				Sample Location: Po	ol	
Stains:	No	ne	☐ Flow Li	ine 🗌	Oil	Rust Sta	ains		•		
			Paint		Other					1025-46	
Non-illicit:	No	no	☐ Notura	l Sheen	☐ Natui	ral Suds/Foam			Time Collected: 10	:49	
			INatura	i Sileeli	INALUI	rai Suus/Fuairi			Total Chlorine (field):	0	ppm
-Physical (	Conditio	n Assessment —							Free Chlorine (field):	0	ppm
Graffiti:	No	ne							Ammonia (field):	0	ppm
Erosion:	No	ne							pH (field):	8.34	units
Depositio	n: No	ne Depth (in):							Temperature (field):	53	°F
Damage:	No	ne 🗌 Displac	ement 🔲 L	Indercut		Crushed			Conductivity (field):	1239	μS/cm
		Corrosio	on 🗌 C	Cracks/St	ructural D	amage			Detergents:	0	mg/L

06-1746 City of Oshkosh

Non-Priority Major Outfall

# Structure Type:

Closed Pipe Outfall

# Discharge Location:

Downstream Outfall

#### NR 216 Class:

Major Outfall

#### Shape:

Pipe - Circular

#### Material:

**RCP** 

# City ID:

N/A

# -Dimensions

Diameter (in): 54

Height/Depth (in):

Width (in):

#### **Mapping Precison:**

Mapping GPS

☐ Not Physically Located



o20181024154708.JPG

#### **Outfall Notes:**

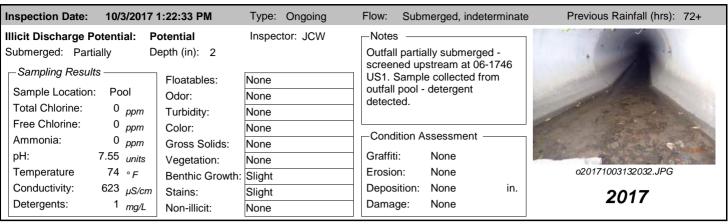
Storm sewer from Witzel Ave discharges to stream from west via riprap channel.

County Coordinates:Latitude/Longitude:Northing:473,464Latitude:44.01831Easting:779,259Longitude:-88.59025



Inspection	Date:	10/24/2018 3:49:0	6 PM In:	spector:	JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descr	iption:	Submerged, inde	terminate	Notes:		partially submerged	- screened		
Submerged:	Partia	illy Depth (in	): 6		upstrea	am at 06-1746 US1.			
Illicit Disch	arge Po	tential: Unlikely							
Floatables:	None		Petrol.	Sheen [	Suds	Sewage A	lgae		
Odor:	None		Petrole	um [	Musty Fishy		hlorine Other ogrant		
Turbidity:	None			SIVEII _	] I ISHY	Guildi i	ragram		the south
Color:	None							o201810241547	716.JPG
Gross Solids	s: No	ne	Litter		Veg. Del	oris Sediment [	Other	201	8
Vegetation:	No	ne	Inhibite	d 🗌	Excessiv	re .	Г	Sampling Results ———	
Benthic Grov	wth: No	ne	Green		Brown			Sample Location:	
Stains:	Slig	ght	✓ Flow Li	ne 🗌	Oil	Rust Stains		Sample ID:	
			Paint		Other			Time Collected:	
Non-illicit:	No	ne	Natural	Sheen	☐ Natu	ıral Suds/Foam		Total Chlorine (field):	ppm
-Physical (	Conditio	n Assessment —						Free Chlorine (field):	ppm
Graffiti:	No	ne						Ammonia (field):	ppm
Erosion:	No	ne						pH (field):	units
Deposition	n: No	ne Depth (in):						Temperature (field):	° F
Damage:	No	ne 🗌 Displac	ement 🗌 U	ndercut		Crushed		Conductivity (field):	μS/cm
		Corrosio	on 🗌 C	racks/St	ructural [	Damage		Detergents:	mg/L

06-1746 City of Oshkosh



Inspection Date:	5/30/2012	9:14:05 AM	Type: Ongoing	Flow:	Submerged, sligh	t flow	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Partia	lly D	nlikely epth (in): 5	Inspector: JCW		partially submerge screened upstrear		
Sampling Results Sample Location: Total Chlorine:	ppm	Odor:	None None None	06-174	16 US1.		
Free Chlorine: Ammonia:	ppm	Color: Gross Solids:	None Slight		tion Assessment -		yout have
pH: Temperature Conductivity:	units	Benthic Growth:		Graffiti Erosio	n: None	in.	o20120530081528.JPG
Detergents:	μS/cm mg/L		Slight None	Damag			2012

Inspection Date:	9/3/2009		Type: Initial	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Pot Submerged: None Sampling Results: Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature	t <b>ential: U</b>	nlikely epth (in): 0  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth:	Inspector: JCW	Notes Wet, no flow.  Condition Assessment Graffiti: None Erosion: None	Osh09_DSCN6473.JPG
Conductivity: Detergents:	μS/cm mg/L	Stains:	None	Deposition: None 0 in. Damage: None	2009

06-1746 US1 City of Oshkosh

# Structure Type:

Manhole

# Discharge Location:

Downstream Outfall

#### NR 216 Class:

Major Outfall - Alternate Location

#### Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

# City ID:

06-1746

#### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

☐ Not Physically Located



o20181024155056.JPG

#### **Outfall Notes:**

Upstream manhole located approx 237 ft W of outfall 16-1746. Intermediate area consists of street right-of-way.

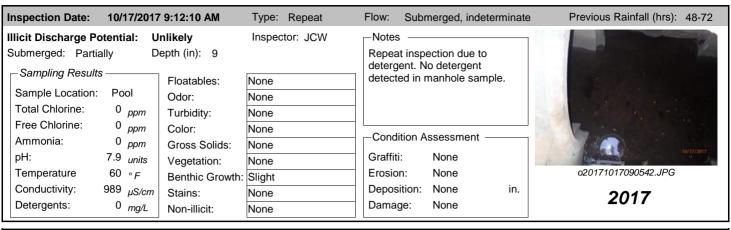
**County Coordinates:** Latitude/Longitude:
Northing: 473,431 Latitude: 44.01822

Northing: 473,431 Latitude: 44.01822 Easting: 779,009 Longitude: -88.59120



Inspection	Date: 10/2	24/2018 3:50:4	1 PM Ins	spector:	JCW	Insped	tion Type:	Ongoing	Previous Rainfall (hrs	): 72+	
Flow Descr	iption: Sul	bmerged, inde	terminate	Notes:			from subm	nerged pool in		100	100
Submerged:	Partially	Depth (in	): 3		manho	ole.					
Illicit Disch	arge Potent	ial: Unlikely							The same of the sa		1
Floatables:	None		Petrol.	Sheen [	Suds	Sewa	age 🗌 Al	gae 🗌 Othe	H		1
Odor:	None		Petrole	um 🗌	Musty	Sew	age 🗌 Cl	nlorine   Other			
l <b></b>			☐ VOC/So	olvent [	Fishy	Sulfu	ır 🗌 Fr	agrant			10274/2018
Turbidity:	None								<b>一位,</b>		
Color:	None								o201810241	55102.JF	PG
Gross Solids	s: None		Litter		Veg. Del	oris 🗌 Se	ediment [	Other	20	18	
Vegetation:	None		Inhibite	d 🗌	Excessiv	⁄e		Г	-Sampling Results		
Benthic Gro	wth: None		Green		Brown				Sample Location: Po	ool	
Stains:	None		Flow Li			☐ Ru	ust Stains		·	31024-1	2
			Paint		Other				•		
Non-illicit:	None		Natural	Sheen	☐ Nati	ıral Suds/F	nam		Time Collected: 15	5:50	
				0.10011		•	· · · · · ·		Total Chlorine (field):	0	ppm
Pnysicai (	Condition As	sessment —							Free Chlorine (field):	0	ppm
Graffiti:	None								Ammonia (field):	0	ppm
Erosion:	None								pH (field):	8.19	units
Depositio	n: None	Depth (in):							Temperature (field):	54	°F
Damage:	None	Displace	ement U	ndercut		Crushed			Conductivity (field):	1195	μS/cm
		Corrosio		racks/St	ructural [	Damage			Detergents:	0	mg/L

06-1746 US1 City of Oshkosh



Inspection Date:	10/3/2017	1:32:29 PM	Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Por Submerged: None	D	otential epth (in):	Inspector: JCW	Notes Flowline wet, but no flow at time of inspection. Detergent	
Sample Location: Total Chlorine:	ppm	Odor:	None None None	detected in sample from outfall pool.	
Free Chlorine: Ammonia: pH: Temperature	ppm ppm units ° F	Gross Solids:	None None None	Condition Assessment  Graffiti: None Erosion: None	o20171003132832.JPG
Conductivity: Detergents:	μS/cm mg/L		Slight None	Deposition: None in. Damage: None	2017

Inspection Date: 5/30/20	12 9:35:08 AM	Type: Ongoing	Flow: Sub	merged, indetern	rminate Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Submerged: Partially	Unlikely Depth (in): 3	Inspector: JCW	-Notes -		
Sampling Results		None			
Sample Location: Pool Total Chlorine: 0 ppn		None			
Free Chlorine: 0 ppn		None None		_	
Ammonia: 0 ppn		Slight	Condition /	Assessment ——	The contract of the contract o
pH: 7.76 <sub>unit</sub>	J	None	Graffiti:	None	
Temperature 64 ∘ F	Donailo Ciowaii.	None	Erosion:	None	o20120530102826.JPG
Conductivity: 707 $\mu$ S/	cm Stains:	None	Deposition:	None	in. <b>2012</b>
Detergents: 0 mg/	Non-illicit:	None	Damage:	None	2012

06-2241 City of Oshkosh

Non-Priority Major Outfall

# Structure Type:

Closed Pipe Outfall

# **Discharge Location:**

Water of the State

#### NR 216 Class:

Major Outfall

#### Shape:

Pipe - Box

#### Material:

**RCP** 

# City ID:

N/A

#### -Dimensions

Diameter (in):

Height/Depth (in): 48

Width (in): 120

#### **Mapping Precison:**

Mapping GPS

☐ Not Physically Located



o20181025135716.JPG

#### **Outfall Notes:**

Storm sewer from Knapp St discharges to stream from south. Replaces outfalls 06-15 and 06-560 (2011).

County Coordinates:Latitude/Longitude:Northing:473,965Latitude:44.01970Easting:786,582Longitude:-88.56241



Inspection	Date: 10/2	5/2018 1:59:21 PM	<b>I</b> Inspe	ector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descr Submerged:	Fully	merged, indeterm Depth (in): 6			fully submerged - sc 2241 US1.	reened upstream		
Floatables:	arge Potenti	al: Unlikely	Petrol. She	een 🗌 Suds	Sewage A	llgae		0
Odor:	None		Petroleum VOC/Solve			chlorine Other ragrant	AS AS	N. S.
Turbidity:	None						Belleville in	Montaine .
Color:	None						o201810251357.	26.JPG
Gross Solids	s: None		Litter	Ueg. De	bris Sediment [	Other	2018	3
Vegetation:	None		Inhibited	Excessiv	/e	Г.	Sampling Results ———	
Benthic Gro	wth: None		Green	Brown			Sample Location:	
Stains:	None		Flow Line Paint	Oil Other	Rust Stains		Sample ID:	
Non-illicit:	None		Natural Sh	een 🗌 Natu	ural Suds/Foam		Time Collected:  Total Chlorine (field):	ppm
-Physical (	Condition Ass	sessment ———					Free Chlorine (field):	<i>ppm</i>
Graffiti:	None						Ammonia (field):	<i>ppm</i>
Erosion:	None	Destile (%)					pH (field):	units
Deposition		Depth (in):					Temperature (field):	° F
Damage:	None	☐ Displaceme		ercut ks/Structural I	Crushed Damage		Conductivity (field): Detergents:	μS/cm mg/L

06-2241 City of Oshkosh



06-2241 City of Oshkosh

Inspection Date:	6/13/2012	2:13:03 PM	Type: Other	Flow:	Subr	merged, indeter	minate	Previous Rainfall (hrs): 72+
Illicit Discharge Por Submerged: Fully	D	otential epth (in): 45	Inspector: JCW	-Notes Gross		pre-screening.		
Sampling Results Sample Location:			None None					
Total Chlorine:	ppm		None					
Free Chlorine: Ammonia:	ppm ppm		None None	-Cond	lition A	ssessment —		
pH:	units		None	Graffit	i:	None		00/13/2017 14:10
Temperature	∘ <i>F</i>	Benthic Growth:	None	Erosio	n:	None		o20120613131558.JPG
Conductivity:	μS/cm	Stains:	None	Depos	sition:	None	in.	2012
Detergents:	mg/L	Non-illicit:	None	Dama	ge:	None		2012

06-2241 US1 City of Oshkosh

#### Structure Type:

Manhole

# **Discharge Location:**

Downstream Outfall

#### NR 216 Class:

Major Outfall - Alternate Location

#### Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

#### City ID:

06-2241

#### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181025135908.JPG

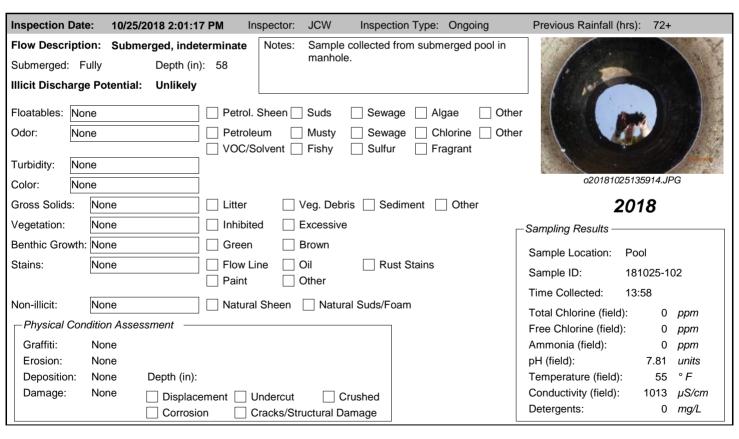
#### **Outfall Notes:**

Upstream manhole located approx 80 ft S of outfall 06-2241. Intermediate area consists of street right-of-way.

County Coordinates: Latitude/Longitude:

Northing: 473,884 Latitude: 44.01948 Easting: 786,580 Longitude: -88.56242





06-2241 US1 City of Oshkosh



06-2241 US1 City of Oshkosh

Inspection Date: 6/13/2012	2:06:46 PM	Type: Other	Flow:	Submerged, indete	rminate	Previous Rainfall (hrs): 72+
Submerged: Fully D	Potential Depth (in): 52	Inspector: JCW	-Notes Gross	solids pre-screening	J	
Sampling Results  Sample Location: Pool Total Chlorine: 0 ppm	Odor:	None Faint None				
Free Chlorine: 0 ppm Ammonia: 3 ppm pH: 7.76 units	Gross Solids:	None None None	- Cond Graffit	ition Assessment —		00/13/5 16 163/6
Temperature 75 $\circ$ $\digamma$ Conductivity: 1034 $\mu$ S/cm Detergents: 0 $m$ g/L	Benthic Growth: Stains:		Erosio Depos Dama	n: None sition: None	in.	o20120613130900.JPG <b>2012</b>

08-284 City of Oshkosh

Priority Outfall

# Structure Type:

Closed Pipe Outfall

# **Discharge Location:**

Water of the State

#### NR 216 Class:

Minor Outfall

# Shape:

Pipe - Elliptical

#### Material:

CMP

# City ID:

N/A

#### -Dimensions

Diameter (in):

Height/Depth (in): 27

Width (in): 43

# **Mapping Precison:**

Mapping GPS

☐ Not Physically Located



o20171017135258.JPG

#### **Outfall Notes:**

Bay St storm sewer discharges to river from north. Outfall fully submerged. Pipe info from MS4 map.

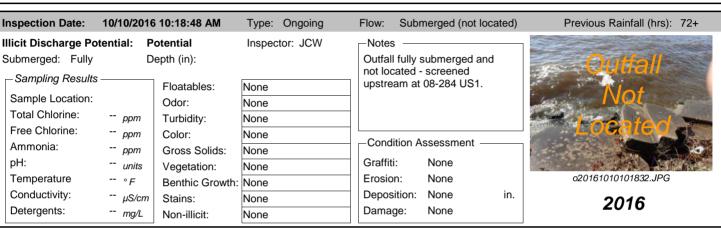
County Coordinates:Latitude/Longitude:Northing:471,023Latitude:44.01165Easting:794,824Longitude:-88.53108

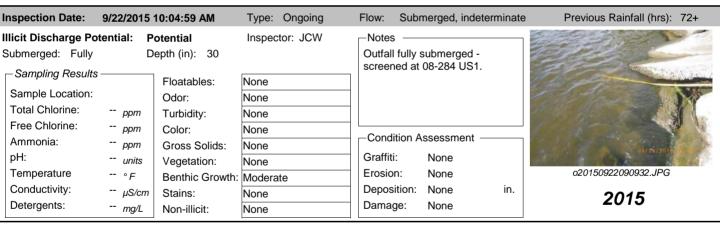


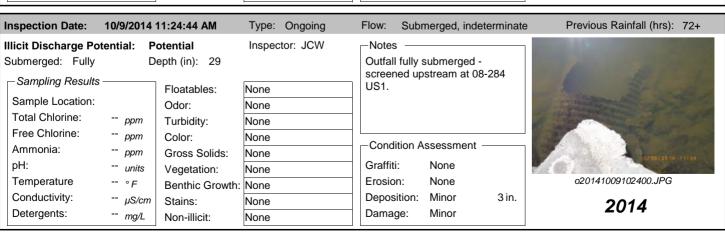
Inspection	Date: 10	/22/2018 10:51:14 AM	Inspector:	JCW II	nspection Type:	Ongoing	Previous Rainfall (hrs):	48-72
Flow Descri Submerged:	Fully	Depth (in): tial: Potential	Notes:	screened up	submerged and obstream at 08-28- (litter) in manho	4 US1. Floating	Outr	
Floatables: Odor: Turbidity:	None None None None	Petro	ol. Sheen bleum /Solvent	Suds	Sewage Cr	gae	Not Locat	ed
Gross Solids Vegetation: Benthic Gros Stains:	s: None	Littel Inhib Gree Flow Pain	ited	Veg. Debris [ Excessive Brown Dil [ Other	Sediment Rust Stains	Other	2018 Sampling Results Sample Location: Sample ID: Time Collected:	<b>3</b>
Non-illicit:  —Physical ( Graffiti: Erosion: Deposition Damage:	None  Condition As  None  None  n: None  None		ral Sheen  Undercut Cracks/Str	☐ Natural Si ☐ Crush uctural Dama	ned		Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field): Detergents:	ppm ppm ppm units ° F μS/cm mg/L

08-284 City of Oshkosh

Inspection Date:	10/17/2017	1:56:02 PM	Type: Ongoing	Flow:	Submerged, indete	erminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Pot	ential: Po	otential	Inspector: JCW	-Notes		1	
Submerged: Fully		epth (in): 36			ully submerged wit		
Sampling Results		Floatables:	None	of pipe	screened upstrea	m at	THE RESERVE OF THE PARTY OF THE
Sample Location:		Odor:	None		JS1. Floating gros tter) in manhole.	S	1_
Total Chlorine:	ppm	Turbidity:	None	Solius (I	iter) in mannoie.		
Free Chlorine:	ppm	Color:	None	T L			
Ammonia:	ppm	Gross Solids:	None	─	on Assessment —		
pH:	units	Vegetation:	None	Graffiti:	None		10/17/2017
Temperature	∘ <i>F</i>	Benthic Growth:	None	Erosion	None		o20171017135302.JPG
Conductivity:	μS/cm	Stains:	None	Deposit	on: None	in.	2017
Detergents:	mg/L	Non-illicit:	None	Damage	: None		2017







08-284 City of Oshkosh

Inspection Date:	10/11/2011	8:37:04 AM	Type: Ongoing	Flow: Submerged, indeterminate Previous Rainfall (hrs): 72+
Illicit Discharge Po	tential: U	nlikely	Inspector: JCW	_Notes
Submerged: Fully		epth (in): 25		2010 screening follow-up. Outfall fully submerged.
Sampling Results	-	Floatables:	None	Outfall screened upstream at
Sample Location:		Odor:	None	08-284 US1.
Total Chlorine:	ppm	Turbidity:	None	
Free Chlorine:	ppm	Color:	None	
Ammonia:	ppm	Gross Solids:	None	Condition Assessment
pH:	units	Vegetation:	None	Graffiti: None
Temperature	∘ <i>F</i>	Benthic Growth:	None	Erosion: None o20111011083728.JPG
Conductivity:	μS/cm	Stains:	None	Deposition: None 0 in.
Detergents:	mg/L	Non-illicit:	None	Damage: None
nspection Date:	8/17/2010	9:35:00 AM	Type: Ongoing	Flow: Submerged (not located) Previous Rainfall (hrs): 72+
llicit Discharge Po	tential: P	otential	Inspector: JCW	-Notes

Detergents.	mg/L	Non-illicit:	None	Damage. None	
Inspection Date:	8/17/2010 9	9:35:00 AM	Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Fully	D	otential epth (in):	Inspector: JCW	Outfall fully submerged and not physically located. Outfall	Outfall
Sampling Results Sample Location: Total Chlorine:	ppm	Floatables: Odor: Turbidity:	None None	screened upstream at 08-284 US1.	Not
Free Chlorine: Ammonia:	ppm ppm	Color:	None None	Condition Assessment	Located
pH: Temperature Conductivity:	units	Benthic Growth:		Graffiti: None Erosion: None Deposition: None O in.	o20100817093554.JPG
Detergents:	μS/cm mg/L	Stains: Non-illicit:	None None	Deposition: None 0 in. Damage: None	2010

08-284 US1 City of Oshkosh

# Structure Type:

Manhole

# **Discharge Location:**

Downstream Outfall

#### NR 216 Class:

Minor Outfall - Alternate Location

#### Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

#### City ID:

08-284

#### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

☐ Not Physically Located



o20181022105148.JPG

#### **Outfall Notes:**

Upstream manhole located approx 26 ft N of outfall 08-284. Intermediate area consists of street right-of-way and open space.

**County Coordinates:** Latitude/Longitude:
Northing: 471,067 Latitude: 44.01177

Easting: 794,833 Longitude: -88.53104



Inspection	Date: 10	/22/2018 10:54:	41 AM	Inspector:	JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs)	: 48-7	72
Flow Descr	iption: Su	bmerged, inde	terminate	Notes:		collected from subm		<b>-</b> /4/10		
Submerged:	Fully	Depth (in	): 34		outfall. manhol	Floating gross solids e.	(litter) in		T list	
Illicit Disch	arge Poten	tial: Potentia	I							
Floatables:	None		Petro	I. Sheen	Suds	Sewage Alg	gae 🗌 Other	50		
Odor:	None		Petro	_	Musty		nlorine  Other			
Turbidity:	None		VOC/	Solvent [	Fishy	Sulfur Fra	agrant			10/22/2018
Color:	Faint in bot	tle	Brown					02018102210	05156.JF	PG .
Gross Solids	s: Modera	ate	✓ Litter		Veg. Deb	ris Sediment	Other	20	18	
Vegetation:	None		Inhibi	ted	Excessive	е		Sampling Results ——		
Benthic Grov	wth: Modera	ate	✓ Green	n 🗌	Brown			Sample Location: Po	ol	
Stains:	None		Flow		Oil	Rust Stains		•	1022-3	3
			Paint		Other			·	:53	
Non-illicit:	None		Natur	al Sheen	Natur	ral Suds/Foam		Total Chlorine (field):	0	ppm
-Physical (	Condition A	ssessment —						Free Chlorine (field):	0	ррт
Graffiti:	None							Ammonia (field):	0	ppm
Erosion:	None							pH (field):	7.50	units
Deposition	n: None	Depth (in):						Temperature (field):	54	°F
Damage:	None	☐ Displac	ement	Undercut		Crushed		Conductivity (field):	314	μS/cm
		Corrosi	on 🗌	Cracks/Str	uctural D	amage		Detergents:	0	mg/L

08-284 US1 City of Oshkosh

					City of Ostikos
Inspection Date:	10/17/2017	′ 1:59:35 PM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Ilicit Discharge P	otential: P	otential	Inspector: JCW	-Notes	A STATE OF THE STA
Submerged: Fully		epth (in): 30		Sample collected from	AND THE SECOND
_ ⊢Sampling Resul	•			submerged pool in outfall.	
		Floatables:	None	Floating gross solids (litter) in manhole.	
Sample Location		Odor:	None	mannoie.	
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None		
Free Chlorine:	0 <sub>ppm</sub>	Color:	None	Condition Assessment —	
Ammonia:	0 <sub>ppm</sub>	Gross Solids:	Moderate		
pH:	8.67 <sub>units</sub>	Vegetation:	None	Graffiti: None	220171017125510 IDO
Temperature	66 ∘ <sub>F</sub>	Benthic Growth:	None	Erosion: None	o20171017135518.JPG
Conductivity:	352 <sub>μS/cm</sub>	Stains:	None	Deposition: None in.	2017
Detergents:	0 mg/L	Non-illicit:	None	Damage: None	
nspection Date:	10/10/2016	6 10:21:35 AM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Ilicit Discharge P	otential: P	otential	Inspector: JCW	_Notes	W Alexander
Submerged: Fully	y D	epth (in): 32	•	Potential illicit discharge due	
_Sampling Resul		·		to gross solids.	The second second
Sample Location		Floatables:	None		1 2 3
Total Chlorine:		Odor:	None		
Free Chlorine:	0 <sub>ppm</sub>	Turbidity:	None		
Ammonia:	0 <sub>ppm</sub> 0 <sub>ppm</sub>	Color:	Clearly visible in bottl	Condition Assessment —	
pH:	0 <sub>ppm</sub> 8.15 <sub>units</sub>	Gross Solids:	Moderate	Graffiti: None	
Temperature	63 ∘ <sub>F</sub>	Vegetation:	None	Erosion: None	o20161010101916.JPG
Conductivity:	•	Benthic Growth:		Deposition: None in.	
Detergents:	369 <sub>µS/cm</sub> 0 <sub>mg/L</sub>	Stains:	None	Damage: None	2016
	- mg/L	Non-illicit:	None		
nspection Date:		10:09:39 AM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Ilicit Discharge P		otential	Inspector: JCW	-Notes	The state of the s
Submerged: Fully	y D	epth (in): 34		Floating gross solids (litter) in manhole.	
Sampling Resul	lts ———	Floatables:	None	mannoie.	
Sample Location	n: Pool	Odor:	None		
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None		
Free Chlorine:	0 <sub>ppm</sub>	Color:	None	<u></u>	The Transfer of the
Ammonia:	0 <sub>ppm</sub>	Gross Solids:	Severe	Condition Assessment —	HE WASHINGTON
pH:	8.8 <sub>units</sub>	Vegetation:	None	Graffiti: None	A STATE OF THE PARTY OF THE PAR
Temperature	70 ∘ <sub>F</sub>	Benthic Growth:		Erosion: None	o20150922091040.JPG
Conductivity:	335 <sub>μS/cm</sub>	Stains:	None	Deposition: None in.	2045
Detergents:	0 <sub>mg/L</sub>	Non-illicit:	None	Damage: None	2015
nanastian Data:	40/0/2044	44.20.40 AM	Type: Ongoing	Flour Cubmarrad indeterminate	Provious Poinfell (hrs): 70
nspection Date: Ilicit Discharge P		11:28:19 AM otential	Type: Ongoing Inspector: JCW	Flow: Submerged, indeterminate  Notes	Previous Rainfall (hrs): 72+
Submerged: Fully		epth (in): 29		Floating gross solids (litter) in	
– Sampling Resul	•			manhole.	
		Floatables:	None		
Sample Location		Odor:	None		
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None		
Free Chlorine:	0 <sub>ppm</sub>	Color:	Faint in bottle	Condition Assessment	
Ammonia:	0 <sub>ppm</sub>	Gross Solids:	Severe		The same of the sa
pH:	8.34 <i>units</i>	Vegetation:	None	Graffiti: None	
Temperature	57 ∘ <sub>F</sub>	Benthic Growth:	None	Erosion: None	o20141009102622.JPG
Conductivity:	400 μS/cm	Stains:	None	Deposition: None in.	2014
Detergents:	0 ma/l	Non illinite	None	Damage: None	<b>_</b> VIT

None

Damage:

Detergents:

Non-illicit:

0 mg/L

None

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Stains: None   Deposition: Non	pection Date: 10/	0/11/2011 8:41:22 AM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm ph: 8.11 units Temperature 72 ° F Conductivity: µS/cm Detergents: mg/L  Inspection Date: 5/26/2011 11:01:00 AM Sample Location:  Sample Location: Pool Turbidity: None Color: None Stains: None None None None Detergents: ppm Floatables: None Color: None Stains: None None None Detergents: None Stains: None None None None None Detergents: mg/L  Floatables: None Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None  Previous Ra  Inspector: JCW Submerged, indeterminate  Floatables: None  Inspector: JCW Submerged: Fully Depth (in):  Sample Location: Total Chlorine: ppm Turbidity:  Floatables: None Odor: Turbidity:  Floatables: None Odor: Turbidity:	merged: Fully		Inspector: JCW	2010 screening follow-up.	
Submerged: Fully Depth (in):  Sampling Results Sample Location: Total Chlorine: ppm  Inspector: JCW Limited screening conducted to check for floatable debris.  None Odor: Turbidity:	ample Location: Pootal Chlorine: 0 ee Chlorine: 0 mmonia: 0 d: 8.11 emperature 72 onductivity:	pole Location: Pool Odor: Non-illicit: Non-i		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in.	o20111011084038.JPG <b>2011</b>
Submerged: Fully Depth (in):  Sampling Results Sample Location: Total Chlorine: ppm Turbidity:  Limited screening conducted to check for floatable debris.	pection Date: 5/26	/26/2011 11:01:00 AM	Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Sample Location: Total Chlorine: ppm Turbidity:	merged: Fully		Inspector: JCW	Limited screening conducted	
Fron Chlorino:	ample Location: otal Chlorine:	Odor:	None		
Ammonia: ppm   Color:  Ammonia: ppm   Gross Solids:   Moderate   Graffiti: None   Gra	nmonia:		Moderate		

Inspection Date:	8/17/2010 9	):47:15 AM	Type: Ongoing	Flow:	Submer	ged, indete	rminate	e Previous Rainfall (hrs): 72+
Illicit Discharge Pote Submerged: Fully		otential epth (in): 31	Inspector: JCW	-Notes Signifi manho	cant floata	able debris	in	
Sampling Results -	Pool		None None					
Total Chlorine: Free Chlorine:	0 <sub>ppm</sub> 0 <sub>ppm</sub>	,	None Faint in bottle	Cond	ition Asse	anamant		
•	0 <sub>ppm</sub> .64 <sub>units</sub>		Severe None	Graffit		one		2010 09:38
Temperature Conductivity:	74 ∘ <sub>F</sub> μS/cm	Benthic Growth: Stains:	None None	Erosic Depos		one one	0 in.	o20100817093838.JPG
Detergents:	0 <sub>mg/L</sub>	Non-illicit:	None	Dama	ge: No	one		2010

Erosion:

Damage:

Deposition:

None

None

None

0 in.

o20110526110156.JPG

2011

Temperature

Conductivity:

Detergents:

-- °F

-- μS/cm

-- mg/L

Benthic Growth:

None

Stains:

Non-illicit:

08-347 City of Oshkosh

Priority Outfall

# Structure Type:

Closed Pipe Outfall

# Discharge Location:

Water of the State

#### NR 216 Class:

Minor Outfall

#### Shape:

Pipe - Circular

#### Material:

 $\mathsf{CMP}$ 

# City ID:

N/A

#### -Dimensions

Diameter (in): 42

Height/Depth (in):

Width (in):

#### **Mapping Precison:**

Desktop mapping estimate

✓ Not Physically Located



o20181022105814.JPG

#### **Outfall Notes:**

Broad St storm sewer discharges to river from north. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

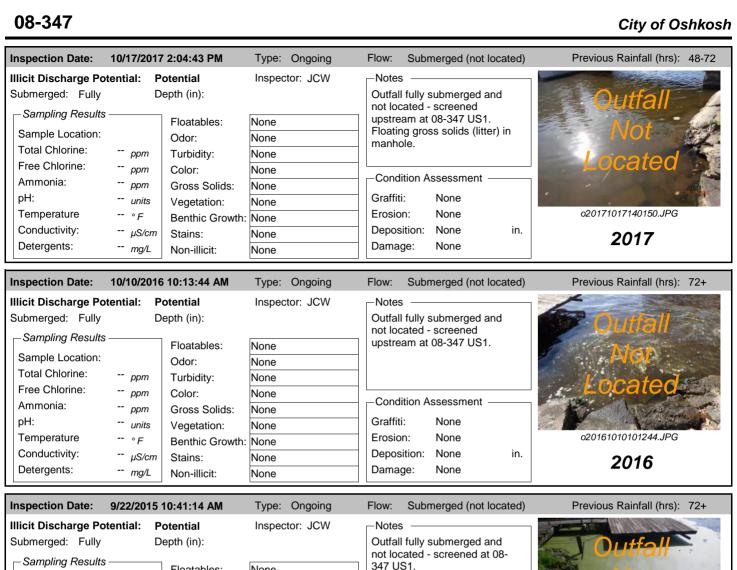
**County Coordinates:** Latitude/Longitude:

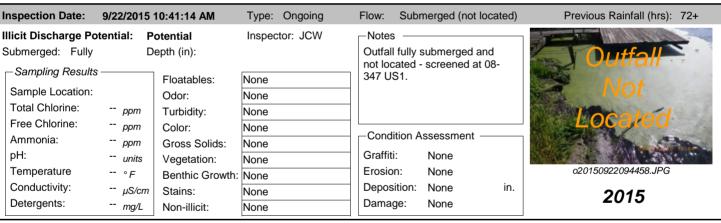
Northing: 471,171 Latitude: 44.01205

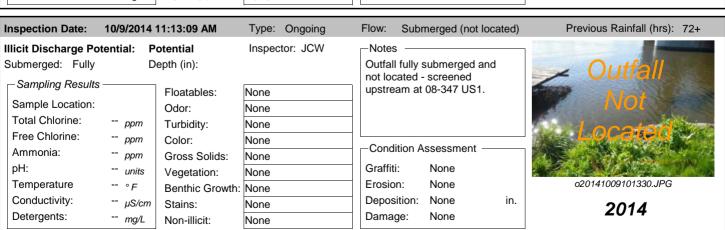
Easting: 794,227 Longitude: -88.53335



Inspection	Date:	10/22/2018 10:59:	<b>46 AM</b> In	spector:	JCW Insp	ection Type:	Ongoing	Previous Rainfall (hrs):	48-72
Flow Descr Submerged:	•	Submerged (not I	•	Notes:	Outfall fully sul screened upstr gross solids (li	eam at 08-34	7 US1. Floating	Outf	all
Illicit Disch	arge P	otential: Potentia	l					No.	4
Floatables:	None		Petrol.	Sheen _	Suds Se	ewage	gae		
Odor:	None		☐ Petrole	eum	, =	3 -	hlorine  Other agrant	Local	ted
Turbidity:	None			o			agram		Milliant .
Color:	None							o201810221058	20.JPG
Gross Solids	s: No	one	Litter		/eg. Debris 🗌	Sediment [	Other	2018	3
Vegetation:	No	one	Inhibite	ed 🗌 E	Excessive		Г	Sampling Results ———	
Benthic Gro	wth: No	one	Green	E	Brown			Sample Location:	
Stains:	No	one	☐ Flow Li	ne 🗌 (	Oil	Rust Stains		Sample ID:	
			Paint		Other			Time Collected:	
Non-illicit:	No	one	Natura	Sheen	Natural Sud	s/Foam		Total Chlorine (field):	ppm
-Physical (	Conditi	on Assessment —						Free Chlorine (field):	ppm
Graffiti:	No	one						Ammonia (field):	ppm
Erosion:	No	one						pH (field):	units
Depositio	n: No	one Depth (in):						Temperature (field):	° <i>F</i>
Damage:	N	one Displace		Indercut Cracks/Str	Crusheductural Damage	I		Conductivity (field): Detergents:	μS/cm mg/L







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Ammonia:	ppm ppm	rnlikely repth (in):  Floatables: Odor: Turbidity: Color:	None None None None None	Outfall fully s	ing follow-up. submerged and y located. Outfall stream at 08-347	Othial) No.
Sample Location: Total Chlorine: Free Chlorine: Ammonia:	ppm	Odor: Turbidity:	None None	not physicall screened up	y located. Outfall	Not
Temperature Conductivity:	Floatables: e Location: Chlorine:	None None	Condition A Graffiti: Erosion: Deposition: Damage:	None None None O in. None	020111011084904.JPG 2011	
Inspection Date: 8/	3/17/2010 <sup>-</sup>	10:13:00 AM	Type: Ongoing	Flow: Subn	nerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Poter	ential: Po	otential	Inspector: JCW	_Notes		
Submerged: Fully  Sampling Results —  Sample Location:  Total Chlorine:  Free Chlorine:	ppm ppm	Floatables: Odor: Turbidity: Color:	None None None None	not physicall	ubmerged and y located. Outfall stream at 08-347	Outlall Not

Ammonia:

Temperature

Conductivity:

Detergents:

рН:

-- *ppm* 

-- units

-- ∘*F* 

-- μS/cm

-- mg/L

Gross Solids:

Benthic Growth: None

Vegetation:

Stains:

Non-illicit:

None

None

None

None

Condition Assessment

None

None

None

None

0 in.

o20100817100702.JPG

2010

Graffiti:

Erosion:

Damage:

Deposition:

08-347 US1 City of Oshkosh

# Structure Type:

Manhole

# **Discharge Location:**

Downstream Outfall

#### NR 216 Class:

Minor Outfall - Alternate Location

#### Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

# City ID:

08-347

#### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181022110024.JPG

#### **Outfall Notes:**

Upstream manhole located approx 64 ft NNE of outfall 08-347. Intermediate area consists of gravel parking area and railroad storage shed.

**County Coordinates:** Latitude/Longitude: Latitude:

Northing: 471,232 44.01222 Easting: 794,245 Longitude: -88.53328



Inspection	Date: 10/2	2/2018 11:02:	<b>59 AM</b> In	spector:	JCW Inspe	ction Type:	Ongoing	Previous Rainfall (hrs):	48-7	<b>'</b> 2
Flow Descri Submerged:	iption: Sub	merged, inde	terminate	Notes:	Sample collected manhole. Floatin manhole.	d from subm	nerged pool in			
Illicit Discha	arge Potenti	al: Potential	I							-
Floatables:	None		Petrol.	Sheen 🗌	Suds Sew	age 🗌 Ale	gae 🗌 Other			
Odor:	None		Petrole		, _	- 3	nlorine  Other		ji	The second
Turbidity:	None		voc/s	olvent	Fishy Sulf	ur 💹 Fr	agrant			80/22/2018
Color:	Faint in bottle	е	Brown					o2018102211	0036.JF	PG .
Gross Solids	s: Slight		✓ Litter		/eg. Debris 🗌 S	ediment [	Other	201	18	
Vegetation:	None		Inhibite	ed 🗌 E	Excessive		Г	Sampling Results ——		
Benthic Grov	wth: Slight		✓ Green	E	Brown			Sample Location: Poo	ol	
Stains:	None		☐ Flow Li		Dil ☐ R Dther	ust Stains		·	022-3	6
Non-illicit:	None		— □ Natura	Sheen	☐ Natural Suds/F	- - -		Time Collected: 11:	01	
	Condition Ass	essment —	reactures	Oncon				Total Chlorine (field):	0	ppm
Graffiti:	None	occomon						Free Chlorine (field): Ammonia (field):	0	ppm ppm
Erosion:	None							pH (field):	7.49	units
Deposition		Depth (in):						Temperature (field):	55	° F
Damage:	None	Displace	ement 🗆 L	Indercut	☐ Crushed			Conductivity (field):	321	μS/cm
		Corrosic			uctural Damage			Detergents:	0	mg/L

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00-347 03					
Inspection Date:	10/17/2017	2:07:18 PM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Po Submerged: Fully		otential epth (in): 46	Inspector: JCW	Notes Sample collected from	
_Sampling Result	's ———	Floatables:	None	submerged pool in manhole. Floating gross solids (litter) in	and the state of t
Sample Location:	: Pool	Odor:	None	manhole.	- Jan
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None	-	1472
Free Chlorine:	0 <sub>ppm</sub>	Color:	None	- L	
Ammonia:	0 <sub>ppm</sub>	Gross Solids:	Moderate	Condition Assessment	
pH:	8.29 <sub>units</sub>	Vegetation:	None	Graffiti: None	10/11/2017
Temperature	66 ∘ <sub>F</sub>	Benthic Growth:		Erosion: None	o20171017140304.JPG
Conductivity:	346 <sub>μS/cm</sub>	Stains:	None	Deposition: None in.	2047
Detergents:	0 <sub>mg/L</sub>	Non-illicit:	None	Damage: None	2017
Inspection Date:	10/18/2016	5:02:56 PM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Po	otential: P	otential	Inspector: JCW	_Notes	
Submerged: Parti		epth (in): 46		Potential illicit discharge due	
_Sampling Result				to gross solids.	表 · · · · · · · · · · · · · · · · · · ·
		Floatables:	None	_	A CONTRACTOR OF THE PARTY OF TH
Sample Location: Total Chlorine:		Odor:	None	_	
Free Chlorine:	0 <sub>ppm</sub>	Turbidity:	None		Miles
Ammonia:	0 <sub>ppm</sub>	Color:	Faint in bottle	Condition Assessment	THE LEWIS COME TO
	0 <sub>ppm</sub> 8.18 <sub>units</sub>	Gross Solids:	Severe	Graffiti: None	10/0
· .	8.18 <sub>units</sub>	Vegetation:	None	Erosion: None	o20161018170248.JPG
Temperature				LIUSIUII. INUITE	020101010110240.01 0
Temperature	66 ∘ <sub>F</sub>	Benthic Growth:		Denosition: None in	
Conductivity:	66 ∘ <sub>F</sub> 361 <sub>μS/cm</sub>	Stains:	None	Deposition: None in.	2016
	66 ∘ <sub>F</sub>			Deposition: None in. Damage: None	2016
Conductivity: Detergents:  Inspection Date:	66 ∘ F 361 μS/cm 0 mg/L 9/22/2015 1	Stains: Non-illicit:	None None Type: Ongoing	Damage: None  Flow: Submerged, indeterminate	2016  Previous Rainfall (hrs): 72+
Conductivity: Detergents: Inspection Date: Illicit Discharge Posubmerged: Fully	66 ° F 361 μS/cm 0 mg/L 9/22/2015 1 otential: Po	Stains: Non-illicit:	None None	Damage: None	
Conductivity: Detergents:  Inspection Date:  Illicit Discharge Po	66 ° F 361 μS/cm 0 mg/L 9/22/2015 1 otential: Po	Stains: Non-illicit:  10:46:05 AM  otential epth (in): 48	None None Type: Ongoing	Plow: Submerged, indeterminate  Notes Floating gross solids (litter) in	
Conductivity: Detergents: Inspection Date: Illicit Discharge Posubmerged: Fully	66 ° F 361 μS/cm 0 mg/L 9/22/2015 1 otential: Po	Stains: Non-illicit:  10:46:05 AM  otential epth (in): 48	None None Type: Ongoing Inspector: JCW	Plow: Submerged, indeterminate  Notes Floating gross solids (litter) in	
Conductivity: Detergents:  Inspection Date: Illicit Discharge Posubmerged: Fully Sampling Results	66 ° F 361 μS/cm 0 mg/L 9/22/2015 1 otential: Po	Stains: Non-illicit:  10:46:05 AM  otential epth (in): 48  Floatables:	None  Type: Ongoing Inspector: JCW	Plow: Submerged, indeterminate  Notes Floating gross solids (litter) in	
Conductivity: Detergents:  nspection Date: Ilicit Discharge Pour Submerged: Fully Sampling Result: Sample Location: Total Chlorine: Free Chlorine:	66 ° F 361 μS/cm 0 mg/L  9/22/2015 1  otential: Po ts Pool 0 ppm 0 ppm 0 ppm	Stains: Non-illicit:  10:46:05 AM  otential epth (in): 48  Floatables: Odor:	None None Type: Ongoing Inspector: JCW None None	Plow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.	
Conductivity: Detergents:  Inspection Date: Illicit Discharge Personal Conduction: Sample Location: Total Chlorine: Free Chlorine: Ammonia:	66 ° F 361 μS/cm 0 mg/L  9/22/2015 1  otential: Po ts : Pool 0 ppm 0 ppm 0 ppm 0 ppm	Stains: Non-illicit:  10:46:05 AM  otential epth (in): 48  Floatables: Odor: Turbidity:	None Type: Ongoing Inspector: JCW  None None None	Plow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment	
Conductivity: Detergents:  Inspection Date: Illicit Discharge Posubmerged: Fully Sampling Result: Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH:	66 ° F 361 μS/cm 0 mg/L  9/22/2015 1  otential: Po ts Pool 0 ppm 0 ppm 0 ppm 0 ppm 8.33 units	Stains: Non-illicit:  10:46:05 AM  otential epth (in): 48  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation:	None None Type: Ongoing Inspector: JCW  None None None None Moderate None	Plow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None	Previous Rainfall (hrs): 72+
Conductivity: Detergents:  Inspection Date: Illicit Discharge Posubmerged: Fully Sampling Result: Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature	66 ° F 361 μS/cm 0 mg/L   9/22/2015 1  otential: Pool  ts  Pool 0 ppm 0 ppm 0 ppm 0 ppm 8.33 units 73 ° F	Stains: Non-illicit:  10:46:05 AM  Detential Epth (in): 48  Floatables: Odor: Turbidity: Color: Gross Solids:	None None Type: Ongoing Inspector: JCW  None None None None Moderate None	Plow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None	
Conductivity: Detergents:  Inspection Date: Illicit Discharge Posubmerged: Fully Sampling Result: Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity:	66 ° F 361 μS/cm 0 mg/L   9/22/2015 1  otential: Po  s  Pool 0 ppm 0 ppm 0 ppm 0 ppm 8.33 units 73 ° F 352 μS/cm	Stains: Non-illicit:  10:46:05 AM  Depth (in): 48  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains:	None None Type: Ongoing Inspector: JCW  None None None None Moderate None	Plow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment  Graffiti: None Erosion: None Deposition: None in.	Previous Rainfall (hrs): 72+  020150922094746.JPG
Conductivity: Detergents:  Inspection Date: Illicit Discharge Posubmerged: Fully Sampling Result: Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature	66 ° F 361 μS/cm 0 mg/L   9/22/2015 1  otential: Pool  ts  Pool 0 ppm 0 ppm 0 ppm 0 ppm 8.33 units 73 ° F	Stains: Non-illicit:  10:46:05 AM  Depth (in): 48  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth:	None None Type: Ongoing Inspector: JCW  None None None None Moderate None None	Plow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None	Previous Rainfall (hrs): 72+
Conductivity: Detergents:  Inspection Date: Illicit Discharge Posubmerged: Fully Sampling Result: Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:	66 ° F 361 μS/cm 0 mg/L  9/22/2015 1  otential: Po ts Pool 0 ppm 0 ppm 0 ppm 0 ppm 8.33 units 73 ° F 352 μS/cm 0 mg/L	Stains: Non-illicit:  10:46:05 AM  Depth (in): 48  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains:	None None Type: Ongoing Inspector: JCW  None None None None Moderate None None None None	Plow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment  Graffiti: None Erosion: None Deposition: None in.	Previous Rainfall (hrs): 72+  020150922094746.JPG
Conductivity: Detergents:  Inspection Date: Illicit Discharge Posubmerged: Fully Sampling Result: Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:	66 ° F 361 μS/cm 0 mg/L  9/22/2015 1  otential: Po ts Pool 0 ppm 0 ppm 0 ppm 0 ppm 8.33 units 73 ° F 352 μS/cm 0 mg/L	Stains: Non-illicit:  10:46:05 AM  otential epth (in): 48  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	None None Type: Ongoing Inspector: JCW  None None None Moderate None None None None None None None	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment  Graffiti: None Erosion: None Deposition: None Damage: None	Previous Rainfall (hrs): 72+  020150922094746.JPG  2015
Conductivity: Detergents:  Inspection Date: Illicit Discharge Posubmerged: Fully Sampling Result: Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Posubmerged: Fully	66 ° F 361 μS/cm 0 mg/L  9/22/2015 1  otential: Po ts Pool 0 ppm 0 ppm 0 ppm 8.33 units 73 ° F 352 μS/cm 0 mg/L  10/9/2014 1	Stains: Non-illicit:  10:46:05 AM  Depth (in): 48  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	None None Type: Ongoing Inspector: JCW  None None None None None None None Non	Plow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None Damage: None  Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+  020150922094746.JPG  2015
Conductivity: Detergents:  Inspection Date: Illicit Discharge Pour Sampling Result: Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Pour Sampling Result: Sampling Result: Sampling Result: Sampling Result:	66 ° F 361 μS/cm 0 mg/L  9/22/2015 1  otential: Po ts Pool 0 ppm 0 ppm 0 ppm 8.33 units 73 ° F 352 μS/cm 0 mg/L  10/9/2014 1	Stains: Non-illicit:  10:46:05 AM  Depth (in): 48  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  11:17:38 AM  Depth (in): 43	None None Type: Ongoing Inspector: JCW  None None None None None None None Non	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None Deposition: None Damage: None  Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in	Previous Rainfall (hrs): 72+  020150922094746.JPG  2015
Conductivity: Detergents:  Inspection Date: Illicit Discharge Pour Submerged: Fully Sampling Result: Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Pour Submerged: Fully Sampling Result: Sample Location:	66 ° F 361 μS/cm 0 mg/L  9/22/2015 1  otential: Po ts Pool 0 ppm 0 ppm 0 ppm 8.33 units 73 ° F 352 μS/cm 0 mg/L  otential: Po ts  10/9/2014 1	Stains: Non-illicit:  10:46:05 AM  betential epth (in): 48  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  11:17:38 AM  betential epth (in): 43  Floatables: Odor:	None None Type: Ongoing Inspector: JCW  None None None None Moderate None None None Type: Ongoing Inspector: JCW	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None Deposition: None Damage: None  Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in	Previous Rainfall (hrs): 72+  020150922094746.JPG  2015
Conductivity: Detergents:  Inspection Date: Illicit Discharge Pe Submerged: Fully Sampling Result: Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Pe Submerged: Fully Sampling Result: Sample Location: Total Chlorine:	66 ° F 361 μS/cm 0 mg/L  9/22/2015 1  otential: Po ts Pool 0 ppm 0 ppm 0 ppm 8.33 units 73 ° F 352 μS/cm 0 mg/L   totential: Po ts Totential:	Stains: Non-illicit:  10:46:05 AM  betential epth (in): 48  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  11:17:38 AM  betential epth (in): 43  Floatables:	None None Type: Ongoing Inspector: JCW  None None None Moderate None None None Type: Ongoing Inspector: JCW	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None Deposition: None Damage: None  Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in	Previous Rainfall (hrs): 72+  020150922094746.JPG  2015
Conductivity: Detergents:  Inspection Date: Illicit Discharge Persults: Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Persults: Sample Location: Total Chlorine: Free Chlorine: Free Chlorine: Free Chlorine: Free Chlorine: Free Chlorine:	66 ° F 361 μS/cm 0 mg/L  9/22/2015 1  otential: Po ts Pool 0 ppm 0 ppm 0 ppm 8.33 units 73 ° F 352 μS/cm 0 mg/L  10/9/2014 1  otential: Po ts Pool 0 ppm 0 ppm	Stains: Non-illicit:  10:46:05 AM  otential epth (in): 48  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  11:17:38 AM  otential epth (in): 43  Floatables: Odor: Turbidity: Color:	None Type: Ongoing Inspector: JCW  None None None None None None None Non	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None Damage: None  Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.	Previous Rainfall (hrs): 72+  020150922094746.JPG  2015
Conductivity: Detergents:  Inspection Date: Illicit Discharge Persults: Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Persults: Sample Location: Total Chlorine: Free Chlorine: Ammonia: Free Chlorine: Ammonia: Total Chlorine: Free Chlorine: Ammonia:	66 ° F 361 μS/cm 0 mg/L  9/22/2015 1  otential: Po ts Pool 0 ppm 0 ppm 0 ppm 8.33 units 73 ° F 352 μS/cm 0 mg/L  otential: Po ts  10/9/2014 1  otential: Po ts Pool 0 ppm 0 ppm 0 ppm 0 ppm 0 ppm 0 ppm	Stains: Non-illicit:  10:46:05 AM  ptential epth (in): 48  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  11:17:38 AM  ptential epth (in): 43  Floatables: Odor: Turbidity: Color: Turbidity: Color: Gross Solids:	None Type: Ongoing Inspector: JCW  None None None None None None None Type: Ongoing Inspector: JCW  None None None None None	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None Deposition: None In. Damage: None  Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment	Previous Rainfall (hrs): 72+  020150922094746.JPG  2015
Conductivity: Detergents:  Inspection Date: Illicit Discharge Posubmerged: Fully Sampling Result: Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Posubmerged: Fully Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH:	66 ° F 361 μS/cm 0 mg/L  9/22/2015 1  otential: Po ts Pool 0 ppm 0 ppm 0 ppm 8.33 units 73 ° F 352 μS/cm 0 mg/L  10/9/2014 1  otential: Po ts Pool 0 ppm 0 ppm 0 ppm 0 ppm 7.67 units	Stains: Non-illicit:  10:46:05 AM  Depth (in): 48  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  11:17:38 AM  Detential Epth (in): 43  Floatables: Odor: Turbidity: Color: Turbidity: Color: Gross Solids: Vegetation:	None Type: Ongoing Inspector: JCW  None None None None None None None Non	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None Damage: None  Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None	Previous Rainfall (hrs): 72+  020150922094746.JPG  2015  Previous Rainfall (hrs): 72+
Conductivity: Detergents:  Inspection Date: Illicit Discharge Posubmerged: Fully Sampling Result: Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Posubmerged: Fully Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Sampling Result: Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature	66 ° F 361 μS/cm 0 mg/L  9/22/2015 1  otential: Po ts Pool 0 ppm 0 ppm 8.33 units 73 ° F 352 μS/cm 0 mg/L  10/9/2014 1  otential: Po ts Pool 0 ppm 0 ppm 0 ppm 7.67 units 59 ° F	Stains: Non-illicit:  10:46:05 AM  betential epth (in): 48  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  11:17:38 AM  betential epth (in): 43  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth:	None None Type: Ongoing Inspector: JCW  None None None None None None None Non	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None Damage: None  Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None	Previous Rainfall (hrs): 72+  020150922094746.JPG  2015
Conductivity: Detergents:  Inspection Date: Illicit Discharge Posubmerged: Fully Sampling Result: Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Posubmerged: Fully Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Free Chlorine: Ammonia: pH:	66 ° F 361 μS/cm 0 mg/L  9/22/2015 1  otential: Po ts Pool 0 ppm 0 ppm 0 ppm 8.33 units 73 ° F 352 μS/cm 0 mg/L  10/9/2014 1  otential: Po ts Pool 0 ppm 0 ppm 0 ppm 0 ppm 7.67 units	Stains: Non-illicit:  10:46:05 AM  Depth (in): 48  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  11:17:38 AM  Detential Epth (in): 43  Floatables: Odor: Turbidity: Color: Turbidity: Color: Gross Solids: Vegetation:	None Type: Ongoing Inspector: JCW  None None None None None None None Non	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None Damage: None  Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None	Previous Rainfall (hrs): 72+  020150922094746.JPG  2015  Previous Rainfall (hrs): 72+

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nspection Date:	10/11/2011	8:51:38 AM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Ilicit Discharge Po Submerged: Fully	D	nlikely epth (in): 43	Inspector: JCW	Notes ————————————————————————————————————	
Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: 7 Temperature Conductivity: Detergents:	Pool 0 ppm 0 ppm 0 ppm 7.87 units 71 ° F μS/cm mg/L	Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	None None Faint in bottle Slight None None None None	Ploatable debris significantly reduced.  Condition Assessment  Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	o20111011085018.JPG  2011
nspection Date:	5/26/2011	11:05:00 AM	Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Ilicit Discharge Po Submerged: Fully — Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:	D	nlikely epth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	None Slight None	Notes Limited screening conducted to check for floatable debris.  Condition Assessment Graffiti: None Erosion: None Deposition: None Damage: None	o20110526110604.JPG 2011
nspection Date:  Ilicit Discharge Po	tential: Po	10:17:46 AM otential epth (in): 48	Type: Ongoing Inspector: JCW	Flow: Submerged, indeterminate  Notes  Significant floatable debris in	Previous Rainfall (hrs): 72+
- Sampling Results Sample Location: Total Chlorine: Free Chlorine:		Floatables: Odor: Turbidity: Color:	None None None None	manhole.  Condition Assessment	

Graffiti:

Erosion:

Damage:

Deposition:

None

None

None

None

0 in.

o20100817100950.JPG

2010

0 <sub>ppm</sub>

7.71 <sub>units</sub>

74 ∘<sub>F</sub>

-- μS/cm

0 mg/L

Gross Solids:

Benthic Growth:

Vegetation:

Stains:

Non-illicit:

Severe

None

None

None

None

Temperature

Conductivity:

Detergents:

08-937 City of Oshkosh

Priority Outfall

# Structure Type:

Closed Pipe Outfall

#### Discharge Location:

Water of the State

#### NR 216 Class:

Minor Outfall

#### Shape:

Pipe - Circular

#### Material:

CMP

# City ID:

N/A

#### -Dimensions

Diameter (in): 15

Height/Depth (in):

Width (in):

#### **Mapping Precison:**

Desktop mapping estimate

✓ Not Physically Located



o20181022111410.JPG

#### **Outfall Notes:**

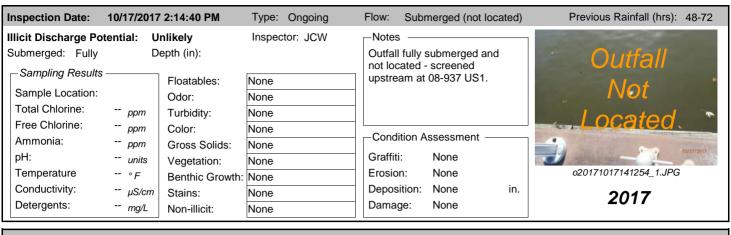
Storm sewer from parking lot discharges to river from north. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:Latitude/Longitude:Northing:471,674Latitude:44.01343Easting:793,433Longitude:-88.53636



Inspection	Date: 10/22	/2018 11:16:08 AM	Inspector:	JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	48-72
Flow Descr Submerged:	Fully	nerged (not locate Depth (in):	Notes:		fully submerged and ed upstream at 08-93		Outf	all
	None None None None		retrol. Sheen [retroleum [rOC/Solvent [	Suds Musty Fishy	Sewage C	lgae Other Other Other ragrant	0201810221114	10-222000 114.JPG
Gross Solids Vegetation: Benthic Gro Stains:	None		itter	Veg. Deb Excessive Brown Oil Other		Other	2016 Sampling Results Sample Location: Sample ID: Time Collected:	8
Non-illicit:  — Physical ( Graffiti: Erosion: Depositio Damage:	None Condition Asse None None n: None None		_		ral Suds/Foam Crushed lamage		Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field): Detergents:	ppm ppm ppm units ° F μS/cm mg/L

08-937 City of Oshkosh



Inspection Date:	10/10/2016	10:03:18 AM	Type: Ongoing	Flow:	Submerged (not lo	cated)	Previous Rainfall (hrs): 72+
Illicit Discharge Por Submerged: Fully  Sampling Results  Sample Location:  Total Chlorine:	De	Odor:	Inspector: JCW  None  None  None	assur	s II not located and med fully submerged ned upstream at 08-9		Outfall Not
Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:	ppm ppm units ° F μS/cm mg/L	Gross Solids: Vegetation: Benthic Growth: Stains:	None None None None None	Graffi Erosi	on: None sition: None	in.	20161010100214.JPG 2016

Inspection Date:	9/22/2015 1	12:11:21 PM	Type: Ongoing	Flow:	Submerged (not loca	ated)	Previous Rainfall (hrs): 72+
Illicit Discharge Pot Submerged: Fully  Sampling Results Sample Location: Total Chlorine:	De	Odor:	Inspector: JCW  None  None		s ————————————————————————————————————		Outfall Nat
Free Chlorine: Ammonia: pH: Temperature Conductivity:	ppm ppm ppm units ° F µS/cm	Color: Gross Solids: Vegetation: Benthic Growth:	None None None None None None None	Graffit Erosic Depos	n: None sition: None	in.	o20150922111358.JPG
Detergents:	mg/L	Non-illicit:	None	Dama	ge: None		2015

08-937 US1 City of Oshkosh

# Structure Type:

Inlet/Catchbasin

# Discharge Location:

Downstream Outfall

#### NR 216 Class:

Minor Outfall - Alternate Location

#### Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

#### City ID:

08-937

#### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

☐ Not Physically Located



o20181022111650.JPG

#### **Outfall Notes:**

Upstream catchbasin located approx 73 ft NE of 08-937. Intermedate area consists of park space and sidewalk.

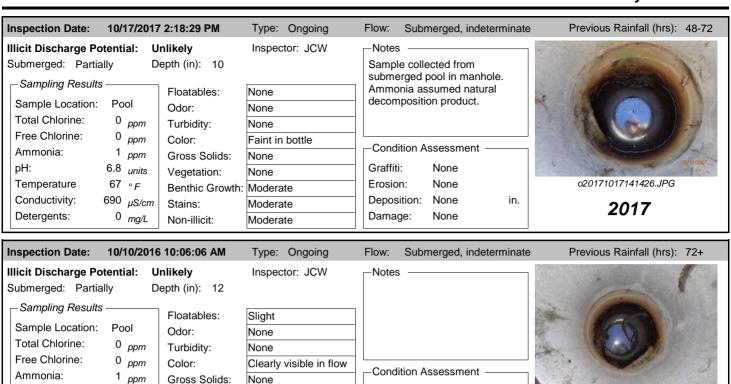
County Coordinates: Latitude/Longitude:

Northing: 471,729 Latitude: 44.01358 Easting: 793,480 Longitude: -88.53618



Inspection	Date: 10/22/2018 11:19	36 AM Inspector: JCW Inspection Type: Ongoing	Previous Rainfall (hrs): 48-72
Flow Descr	iption: Submerged, inde		The second second
Submerged:	Fully Depth (in	): 17 manhole.	The same of the sa
Illicit Disch	arge Potential: Unlikely		
	None None	Petrol. Sheen Suds Sewage Algae Othe Petroleum Musty Sewage Chlorine Othe VOC/Solvent Fishy Sulfur Fragrant	
Color:	Faint in bottle	Brown	o20181022111658.JPG
Gross Solids	s: None	Litter Veg. Debris Sediment Other	2018
Vegetation:	None	☐ Inhibited ☐ Excessive	- Sampling Results
Benthic Gro	wth: Slight	✓ Green Brown	Sample Location: Pool
Stains:	Moderate	Flow Line ☐ Oil ☐ Rust Stains ☐ Paint ☐ Other	Sample ID: 181022-40
Non-illicit:	Moderate	✓ Natural Sheen	Time Collected: 11:18  Total Chlorine (field): 0 ppm
	Condition Assessment —		Free Chlorine (field): 0 ppm
Graffiti: Erosion:	None None		Ammonia (field): 1 ppm pH (field): 6.62 units
Deposition			Temperature (field): 57 ° F
Damage:	None —	ement Undercut Crushed	Conductivity (field): 722 µS/cm
	Corrosi		Detergents: 0 mg/L

08-937 US1 City of Oshkosh



Inspection Date:	9/22/2015 1	2:16:00 PM	Type: Ongoing	Flow:	Subn	nerged, indeterm	ninate	Previous Rainfall (hrs): 72+
Illicit Discharge Po	De	<b>nlikely</b> epth (in): 16	Inspector: JCW		/ shee	n - did not appea bacterial sheen.	ar	
Sampling Results Sample Location: Total Chlorine:	Pool 0 <sub>ppm</sub>	Odor:	Moderate None None		,			*
Free Chlorine: Ammonia: pH: 7	0 <sub>ppm</sub> 0 <sub>ppm</sub> 7.48 <sub>units</sub>	Gross Solids:	None None	Cond Graffit		ssessment —		E
Temperature	7.48 units 75 ° F 499 µS/cm	Benthic Growth:	None None Slight	Erosio	n:	None None	in.	o20150922111710.JPG
Detergents:	0 mg/L		None	Dama	ge:	None		2015

Graffiti:

Erosion:

Damage:

Deposition:

None

None

None

None

in.

o20161010100336.JPG

2016

pH:

Temperature

Conductivity:

Detergents:

6.94 units

64 ∘<sub>F</sub>

752  $\mu S/cm$ 

0 mg/L

Vegetation:

Stains:

Non-illicit:

Benthic Growth:

None

None

Slight

Moderate

09-101a City of Oshkosh

Priority Outfall

# Structure Type:

Closed Pipe Outfall

# **Discharge Location:**

Water of the State

#### NR 216 Class:

Major Outfall

#### Shape:

Pipe - Circular

#### Material:

Vitrified Clay

# City ID:

N/A

#### -Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):

#### **Mapping Precison:**

Desktop mapping estimate

■ Not Physically Located



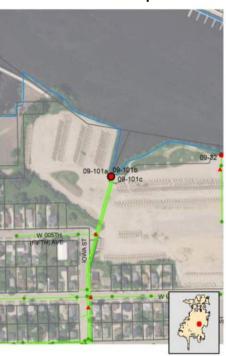
Osh09\_DSCN6774.JPG

#### **Outfall Notes:**

Outfall not physically screened - behind fence. May consist of three outfalls within one concrete box culvert.

County Coordinates: Latitude/Longitude:

Northing: 471,884 Latitude: 44.01400 Easting: 790,634 Longitude: -88.54700



Inspection I	Date: 10/22	/2018 4:19:32 PM	Inspector:	JCW Ir	nspection Type:	Ongoing	Previous Rainfall (hrs): 48-72	
Flow Descri Submerged: Illicit Discha	•	Depth (in): Unlikely	Notes:		nd locked gate. 9 09-101a US1.	Screened	Outfall	
l	None None	Pe	trol. Sheen troleum C/Solvent	Musty	Sewage C	lgae Other hlorine Other ragrant	Not Located	
	None None						Photo Not Available	
Gross Solids	: None	Litt	er 🗌 \	/eg. Debris [	Sediment	Other	2018	
Vegetation: Benthic Grov Stains:	None None None	Gre	een [] [	Excessive Brown Dil [ Other	Rust Stains		Sampling Results  Sample Location:  Sample ID:  Time Collected:	
Non-illicit:  Physical C Graffiti: Erosion: Depositior Damage:	None Condition Asse None None None None None		tural Sheen  Undercut Cracks/Str	☐ Natural Su	ed		Total Chlorine (field): ppm Free Chlorine (field): ppm Ammonia (field): ppm pH (field): units Temperature (field): ° F Conductivity (field): µS/cm Detergents: mg/L	

09-101a City of Oshkosh



09-101a City of Oshkosh

Inspection Date:	9/10/2009		Type: Initial	Flow:		Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Partia	lly D	Inlikely Pepth (in):	Inspector: JCW	-Notes		
Sampling Results		Floatables:	None			
Sample Location:		Odor:	None			
Total Chlorine:	ppm	Turbidity:	None			
Free Chlorine:	ppm	Color:	None	Condition Assessment -		
Ammonia:	ppm	Gross Solids:	None	Condition Assessment -		
pH:	units	Vegetation:	None	Graffiti: None		
Temperature	∘ <i>F</i>	Benthic Growth:	None	Erosion: None		Osh09_DSCN6774.JPG
Conductivity:	μS/cm	Stains:	None	Deposition: None	0 in.	2009
Detergents:	mg/L	Non-illicit:	None	Damage: None		2009

09-101a US1 City of Oshkosh

# Structure Type:

Manhole

# Discharge Location:

Downstream Outfall

#### NR 216 Class:

Major Outfall - Alternate Location

#### Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

#### City ID:

09-29

#### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

☐ Not Physically Located



o20181022161640.JPG

#### **Outfall Notes:**

Upstream manhole located approx 292 ft SSW of outfall 09-101a. Intermediate area consists of gravel parking area for industrial property.

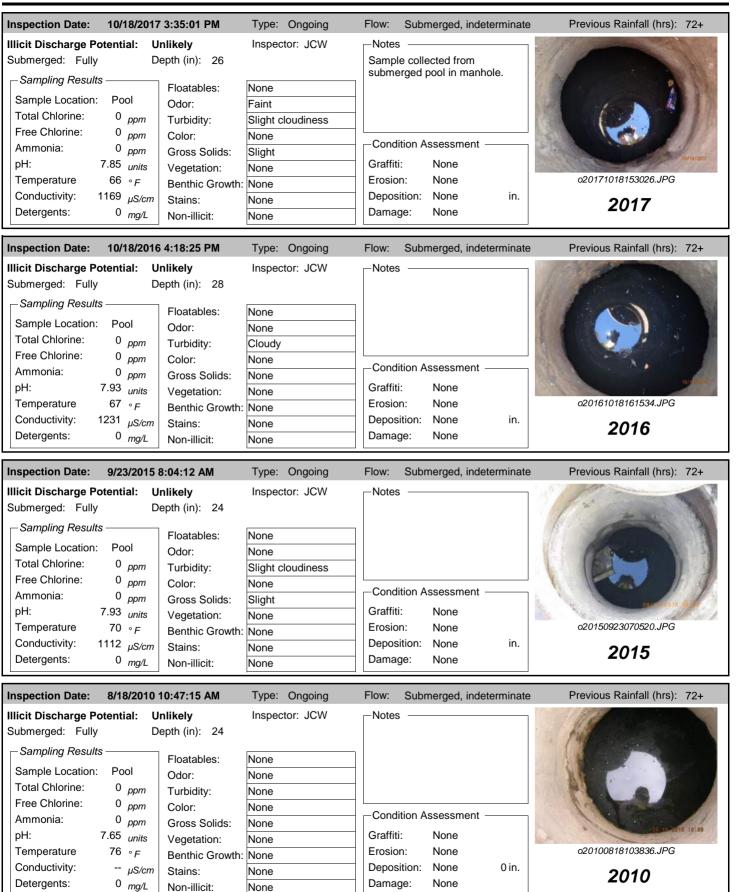
County Coordinates: Latitude/Longitude:

Northing: 471,604 Latitude: 44.01324 Easting: 790,555 Longitude: -88.54730

# W 005TH SEVENTH) AVE

Inspection	Date: 10/2	<b>22/2018 4:20:18 PM</b> Ir	nspector: JCV	V Inspection Type:	Ongoing	Previous Rainfall (hrs):	48-72
Flow Descr	iption: Sub	merged, indeterminate		nple collected from subm	nerged pool in		2 SHOW
Submerged:	Fully	Depth (in): 34	mai	nhole.			
Illicit Disch	arge Potenti	al: Unlikely					W
Floatables:	None	Petrol.	Sheen Sud	ls 🗌 Sewage 🗌 Al	gae		
Odor:	None	Petrole	eum 🗌 Mus Solvent 🗌 Fish	, _	nlorine  Other agrant	Marie Contraction	
Turbidity:	None						
Color:	None					o20181022161	648.JPG
Gross Solids	s: None	Litter	☐ Veg.	Debris Sediment	Other	201	8
Vegetation:	None	Inhibite	ed Exces	ssive	Ε,	Sampling Results ———	
Benthic Grov	wth: None	Green	Brown	n		Sample Location: Poo	ı
Stains:	None	☐ Flow L	ine 🗌 Oil	Rust Stains		·	022-94
		☐ Paint	Other			Time Collected: 16:1	
Non-illicit:	None	☐ Natura	l Sheen 🔲 N	latural Suds/Foam		Total Chlorine (field):	0 ppm
-Physical (	Condition Ass	sessment ————				Free Chlorine (field):	0 ppm
Graffiti:	None					Ammonia (field):	0 <i>ppm</i>
Erosion:	None					pH (field):	7.75 <i>units</i>
Deposition	n: None	Depth (in):				Temperature (field):	55 ° F
Damage:	None	☐ Displacement ☐ l	Jndercut [	Crushed		Conductivity (field):	1251 μS/cm
		Corrosion (	Cracks/Structur	al Damage		Detergents:	0 mg/L

09-101a US1 City of Oshkosh



09-101a US1 City of Oshkosh

Inspection Date: 9/10/20	009	Type: Initial	Flow:	Subm	nerged, indet	terminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Submerged: Fully	Unlikely Depth (in): 22	Inspector: JCW	_Notes	; ——			
Sampling Results	Floatables:	None					
Sample Location: Pool	Odor:	None					CAN THE REAL PROPERTY.
Total Chlorine: 0 pp.	m Turbidity:	None					
Free Chlorine: 0 pp.		None					
Ammonia: pp	m Gross Solids:	None	_ Cond	ition As	ssessment -		4 16 16
pH: 8.19 <sub>un</sub>	ts Vegetation:	None	Graffit	i:	None		08-10-2014-10-01
Temperature 74 ∘ F	Benthic Growth:	None	Erosio	n:	None		Osh09_DSCN6777.JPG
Conductivity: µS	/cm Stains:	None	Depos	ition:	None	0 in.	2009
Detergents: 0 mg		None	Dama	ge:	None		2009

09-101b City of Oshkosh

Non-Priority Major Outfall

## Structure Type:

Closed Pipe Outfall

#### **Discharge Location:**

Water of the State

#### NR 216 Class:

Major Outfall

## Shape:

Pipe - Circular

#### Material:

Vitrified Clay

#### City ID:

N/A

#### -Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):

## **Mapping Precison:**

Desktop mapping estimate

■ Not Physically Located



Osh09\_DSCN6774.JPG

#### **Outfall Notes:**

Outfall not physically screened - behind fence. May consist of three outfalls within one concrete box culvert.

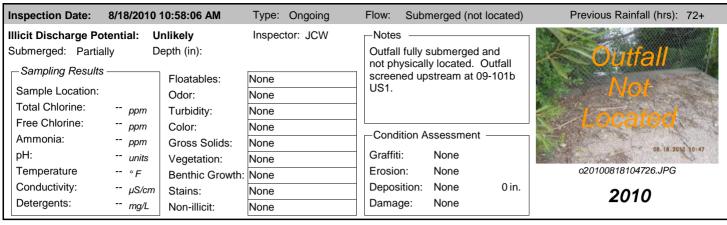
**County Coordinates:** Latitude/Longitude:
Northing: 471,883 Latitude: 44.01400

Northing: 471,883 Latitude: 44.01400 Easting: 790,642 Longitude: -88.54697



Inspection	Date: 10/2	5/2018 1:07:00 PM	Inspector:	JCW	Inspection Ty	oe: Ongoing	Р	revious Rainfall (hrs):	72+	
Flow Descr Submerged: Illicit Disch	•	merged (not located Depth (in): al: Unlikely	Notes:		oehind locked gat m at 09-101b US			Outf		
Odor:	None None		trol. Sheen troleum DC/Solvent	Suds Musty Fishy	Sewage Sewage Sulfur	Algae Othe Chlorine Othe Fragrant		No Loca Photo Not A	tec	
Turbidity: Color:	None None							Photo Not A	vaii	lable
Gross Solids	s: None	Lit	ter 🗌	Veg. Deb	ris   Sediment	Other		201	8	
Vegetation: Benthic Gro	None Wth: None			Excessive Brown	9			mpling Results ————		
Stains:	None		=	Oil Other	Rust Stair	ns		ample ID:		
Non-illicit: <i>Physical</i> (	None Condition Ass		tural Sheen	☐ Natur	al Suds/Foam			etal Chlorine (field):		ppm ppm
Graffiti: Erosion: Deposition	None None n: None	Depth (in):					Ar pl-	nmonia (field): I (field): emperature (field):		ppm units ° F
Damage:	None	☐ Displacement☐ Corrosion	Undercut Cracks/Str		Crushed amage			onductivity (field): etergents:		μS/cm mg/L

09-101b City of Oshkosh



nspection Date:	9/10/2009		Type: Initial	Flow:		Previous Rainfall (hrs): 72+	
Ilicit Discharge Po Submerged: Partia	ally D	nlikely epth (in):	Inspector: JCW	Notes —			
-Sampling Results		Floatables:	None				
Sample Location:		Odor:	None				
Total Chlorine:	ppm	Turbidity:	None				
Free Chlorine:	ppm	Color:	None				
Ammonia:	ppm	Gross Solids:	None	Condition Assessment	i ——		
pH:	units	Vegetation:	None	Graffiti: None			
Temperature	∘ <i>F</i>	Benthic Growth:		Erosion: None		Osh09_DSCN6774.JPG	
Conductivity:	μS/cm		None	Deposition: None	0 in.	2000	
Detergents:	mg/L		None	Damage: None		2009	

09-101b US1 City of Oshkosh

#### Structure Type:

Manhole

## Discharge Location:

Downstream Outfall

#### NR 216 Class:

Major Outfall - Alternate Location

#### Shape:

Manhole/Catchbasin

#### Material:

RCP

## City ID:

N/A

#### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

## **Mapping Precison:**

Mapping GPS

■ Not Physically Located



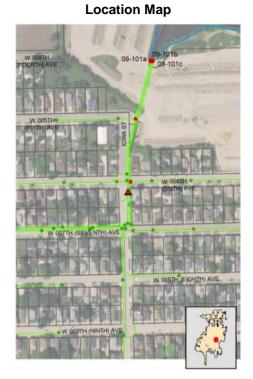
o20181025130906.JPG

## **Outfall Notes:**

Upstream manhole located approx 655 ft SSW of outfall 09-101b. Intermediate area consists of gravel parking area for industrial property.

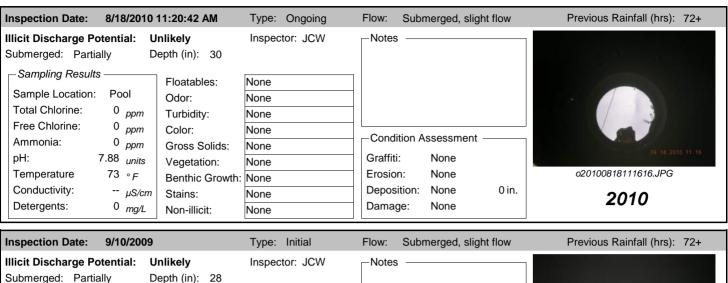
County Coordinates: Latitude/Longitude:

Northing: 471,246 Latitude: 44.01225 Easting: 790,512 Longitude: -88.54747



#### **Inspection Date:** 10/25/2018 1:09:37 PM **JCW** Previous Rainfall (hrs): 72+ Inspector: Inspection Type: Ongoing Flow Description: Submerged, indeterminate Sample collected from submerged pool in Notes: manhole Submerged: Partially Depth (in): 33 Illicit Discharge Potential: Unlikely Other Petrol. Sheen Suds Sewage Algae Floatables: None Odor: None Petroleum Musty Sewage Chlorine Other ∇OC/Solvent Fishy Sulfur Fragrant Turbidity: None o20181025130912.JPG Color: None Gross Solids: None Litter ☐ Veg. Debris ☐ Sediment ☐ Other 2018 Vegetation: None Inhibited Excessive Sampling Results Benthic Growth: None Green Brown Sample Location: Pool Stains: Flow Line Oil Rust Stains None Sample ID: 181025-13 Paint Other Time Collected: 13:08 Natural Sheen Natural Suds/Foam Non-illicit: None Total Chlorine (field): 0 ppm Physical Condition Assessment Free Chlorine (field): ppm Graffiti: None Ammonia (field): 0 ppm Erosion: pH (field): units None 8.06 ۰F Deposition: None Depth (in): Temperature (field): 55 Damage: None Conductivity (field): 1321 μS/cm ☐ Displacement ☐ Undercut Crushed Detergents: 0 mg/L Corrosion Cracks/Structural Damage

09-101b US1 City of Oshkosh



Inspection Date:	9/10/2009		Type: Initial	Flow: Sub	merged, sligh	t flow	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Parti		nlikely epth (in): 28	Inspector: JCW	-Notes -			
Sampling Result. Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH:		Odor: Turbidity: Color: Gross Solids:	None None None None None None None	Condition A	ssessment -		09 10 2009 11 17
Temperature Conductivity: Detergents:	78 ∘ F μS/cm 0 mg/L	Benthic Growth: Stains:		Erosion: Deposition: Damage:	None None None	0 in.	Osh09_DSCN6780.JPG <b>2009</b>

09-101c City of Oshkosh

Non-Priority Non-Major Outfall

## Structure Type:

Closed Pipe Outfall

## **Discharge Location:**

Water of the State

#### NR 216 Class:

Minor Outfall

#### Shape:

Pipe - Circular

#### Material:

Vitrified Clay

#### City ID:

N/A

#### -Dimensions

Diameter (in): 27

Height/Depth (in):

Width (in):

## **Mapping Precison:**

Desktop mapping estimate

✓ Not Physically Located

# 56 70 2009 10 445

Osh09\_DSCN6774.JPG

#### **Outfall Notes:**

lowa St storm sewer discharges to river from south. Outfall not physically screened - behind fence. May consist of three outfalls within one concrete box culvert.

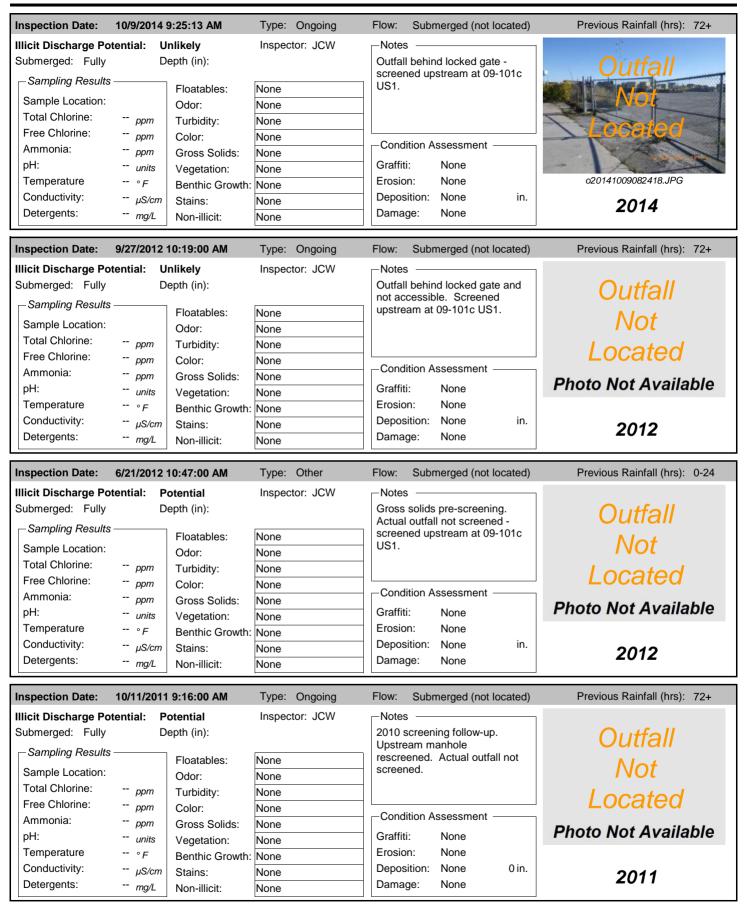
County Coordinates: Latitude/Longitude:

Northing: 471,883 Latitude: 44.01400 Easting: 790,649 Longitude: -88.54695



Inspection	Date: 10	0/25/2018 1:01:00	PM Ins	spector:	JCW	Inspect	on Type:	Ongoing	Ρ	revious Rainfall (hrs):	72+	
Flow Descri		ubmerged (not le	-	Notes:	upstrea		1c ŬS1. F	Screened Floating gross		0.44		
ŭ	•	1 ( )			solids (	(litter) in ma	nhole.			Outf	all	
Illicit Disch	arge Poter	ntial: Potential								No	4	
Floatables:	None		Petrol.	Sheen _	Suds	Sewa	ge 🗌 Al	gae				,
Odor:	None		Petrole	um 🗌	Musty	Sewa	ge 🗌 Cl	hlorine   Other		Loca	tec	
			UOC/Sc	olvent _	Fishy	Sulfur	Fr	agrant		Directo Made		
Turbidity:	None									Photo Not A	vai	iable
Color:	None											
Gross Solids	s: None		Litter	_ \	√eg. Deb	oris 🗌 Sec	liment	Other		201	8	
Vegetation:	None		Inhibite	d 🗌 E	Excessiv	е			Sar	mpling Results ———		
Benthic Grov	wth: None		Green	E	Brown				60	mple Location:		
Stains:	None		☐ Flow Lir	ne 🗌 (	Oil	Rus	t Stains			•		
			Paint		Other					mple ID:		
Non-illicit:	None		☐ Natural	Sheen	□ Natu	ral Suds/Fo	am		Tir	ne Collected:		
		ssessment —		•			ω			tal Chlorine (field):		ppm
,		1336331116111								ee Chlorine (field):		ppm
Graffiti:	None									nmonia (field):		ppm
Erosion:	None	Donth (in)							•	(field):		units ° F
Deposition		Depth (in):								mperature (field): Inductivity (field):		μS/cm
Damage:	None	☐ Displace		ndercut		Crushed				rtergents:		mg/L
		Corrosio	n C	racks/Str	uctural D	Damage			<u> </u>	torgonia.		mg/L

09-101c City of Oshkosh



09-101c City of Oshkosh

Inspection Date:	8/18/2010	11:01:01 AM	Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature	otential: P	otential epth (in): Floatables: Odor: Turbidity: Color: Gross Solids:	None None None None None None None None	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 09-101c US1.  Condition Assessment Graffiti: None Erosion: None	Outfall Not Located  08.18.2010 10:47 020100818104726.JPG
Conductivity: Detergents:	μS/cm mg/L	Stains: Non-illicit:	None None	Deposition: None 0 in. Damage: None	2010
nspection Date:	9/10/2009		Type: Initial	Flow:	Previous Rainfall (hrs): 72+
llicit Discharge Po		otential	Inspector: JCW	-Notes	

nspection Date:	9/10/2009		Type: Initial	Flow:		Previous Rainfall (hrs): 72+
Ilicit Discharge Po Submerged: Partia	ally [	Potential Depth (in):	Inspector: JCW	_Notes		
—Sampling Results Sample Location:	}	Floatables: Odor:	None None			
Total Chlorine:	ppm	Turbidity:	None			
Free Chlorine: Ammonia:	ppm ppm	Color: Gross Solids:	None None	Condition Assessmen	nt ———	
pH:	units	Vegetation:	None	Graffiti: None		\$ 1000 to 40
Temperature	°F	Benthic Growth:	None	Erosion: None		Osh09_DSCN6774.JPG
Conductivity:	μS/cm	Stains:	None	Deposition: None	0 in.	2009
Detergents:	mg/L	Non-illicit:	None	Damage: None		2009

09-101c US1 City of Oshkosh

## Structure Type:

Manhole

## **Discharge Location:**

Downstream Outfall

#### NR 216 Class:

Major Outfall - Alternate Location

#### Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

#### City ID:

09-47

#### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

## **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181025130328.JPG

#### **Outfall Notes:**

Upstream manhole located approx 605 ft SSW of outfall 09-101c. Intermediate area consists of gravel parking area for industrial property.

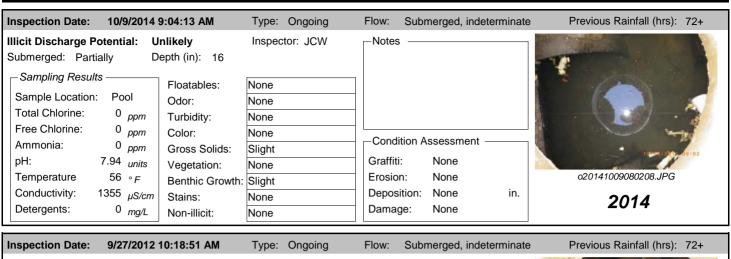
County Coordinates: Latitude/Longitude:

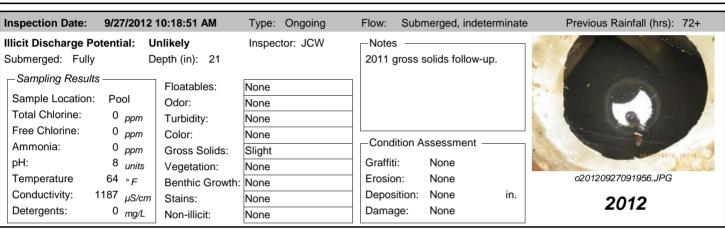
Northing: 471,296 Latitude: 44.01239 Easting: 790,525 Longitude: -88.54742

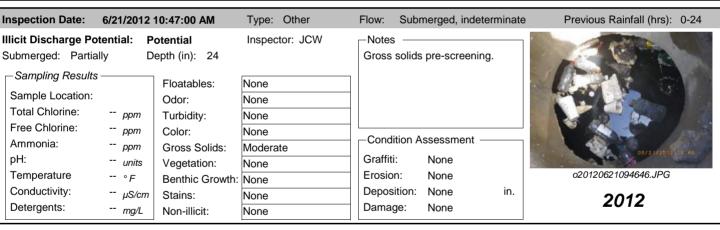


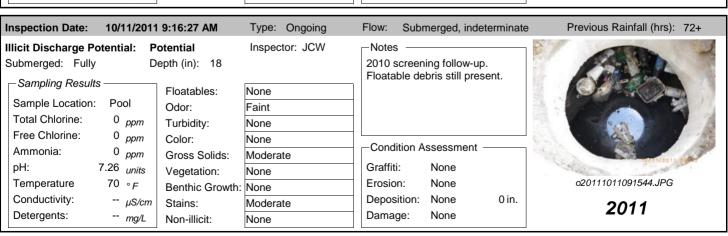
Inspection	Date:	10/25/2018 1:08:0	<b>D PM</b> In	spector:	JCW	Inspection Ty	pe: Ongoing	g	Previous Rainfall (hrs)	72+	
Submerged	· : Partial	, , ,	: 26	Notes:		collected from s e. Gross solids (l					Carl Marie Control
Odor:	None None	ential: Potential		_	Suds Musty Fishy	Sewage Sewage Sulfur	Algae [ Chlorine [ Fragrant	Other Other			10/24/2018
Turbidity: Color:	None None								o2018102513	0334.JF	PG
Gross Solids	s: Sligl	ht	✓ Litter		Veg. Deb	ris Sedimen	Other		20	18	
Vegetation:	Non	e	Inhibite	d 🔲	Excessive	e		Г,	Sampling Results ——		
Benthic Gro Stains:	wth: Non		Green Flow Li Paint	ne 🔲	Brown Oil Other	Rust Stai	ns		•	1025-62	2
Non-illicit:	Non Condition	n Assessment —	Natural	Sheen	☐ Natur	ral Suds/Foam			Time Collected: 13 Total Chlorine (field): Free Chlorine (field):	03	ррт
Graffiti: Erosion:	Non Non	e							Ammonia (field): pH (field):	0 7.63	ppm units
Depositio Damage:		-1 ( )		Indercut cracks/Str	☐ C ructural D	Crushed amage			Temperature (field): Conductivity (field): Detergents:	56 1262 0	° F μS/cm mg/L

09-101c US1 City of Oshkosh









09-101c US1 City of Oshkosh

Inspection Date: 10/20/2010	9:35:37 AM	Type: Ongoing	Flow:	Submerged, indete	erminate	Previous Rainfall (hrs): 72+
<b>.</b>	epth (in): 16	Inspector: JCW	-Notes	ble debris in manho	le.	
Sampling Results Sample Location: Pool	Floatables:	None None				
Total Chlorine: 0 ppm Free Chlorine: 0 ppm	Turbidity:	None				
Α	Color: Gross Solids:	None Moderate	Cond	ition Assessment -		
pH: $7.88  units$ Temperature $55 \circ F$	Vegetation:	None	Graffit			o20101020093518.jpg
Conductivity: µS/cm	Benthic Growth: Stains:	Slight None	Depos		0 in.	<b>2010</b>
Detergents: 0 mg/L	Non-illicit:	None	Dama	ge: None		2010

nspection Date:	9/11/2009		Type: Initial	Flow:	Submerged, inde	eterminate	Previous Rainfall (hrs): 72+
Bubmerged: None	De	otential epth (in):	Inspector: JCW	Notes			
-Sampling Results		Floatables:	Slight				
Sample Location:	Pool	Odor:	None				
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None				
Free Chlorine:	0 <sub>ppm</sub>	Color:	None				
Ammonia:	ppm	Gross Solids:	None	Conditi	on Assessment		100
pH: 8	3.13 <sub>units</sub>	Vegetation:	None	Graffiti:	None		09 11 2009 10 55
Temperature	74 ∘ <sub>F</sub>	Benthic Growth:	None	Erosion	None		Osh09_DSCN6891.JPG
Conductivity:	μS/cm	Stains:	None	Depositi	on: None	0 in.	2000
Detergents:	0 <sub>mg/L</sub>		None	Damage	e: None		2009

11-376 City of Oshkosh

Priority Outfall

## Structure Type:

Closed Pipe Outfall

## **Discharge Location:**

Water of the State

#### NR 216 Class:

Major Outfall

## Shape:

Pipe - Circular

## Material:

Cast Iron

## City ID:

N/A

#### -Dimensions

Diameter (in): 42

Height/Depth (in):

Width (in):

## **Mapping Precison:**

✓ Not Physically Located



o20181022094114.JPG

#### **Outfall Notes:**

Baldwin Ave storm sewer discharges to lake from west. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

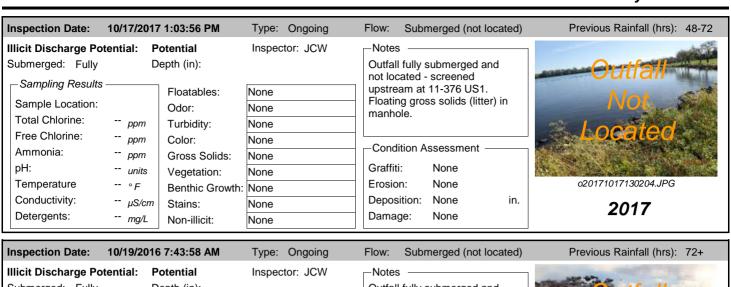
**County Coordinates:** Latitude/Longitude: Northing: Latitude:

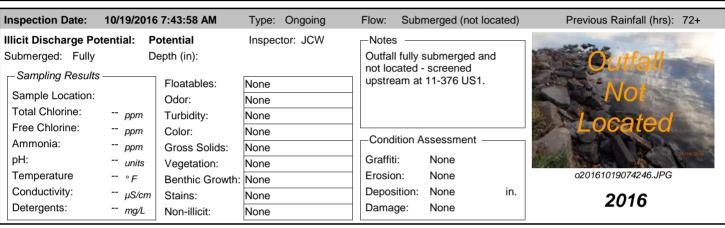
478,060 44.03095 Easting: 797,503 Longitude: -88.52090

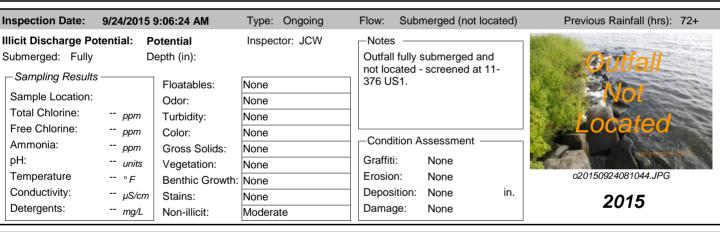


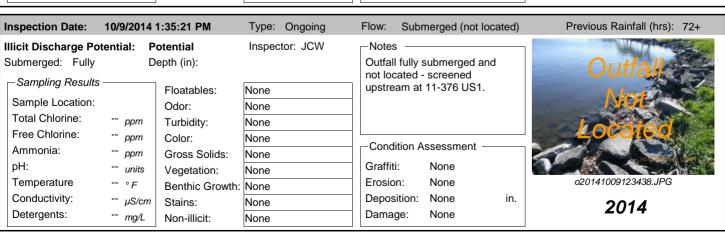
Inspection	Date:	10/22/2018 9:42	<b>07 AM</b> Ir	spector:	JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	48-72
		: Submerged (no	•	Notes:		fully submerged and red upstream at 11-376			William Market
Submerged:	Fully	y Depth (	n):			olids (litter) in manhol		Outi	aw
Illicit Disch	arge P	Potential: Potent	al					Mo	
Floatables:	None		Petrol.	Sheen _	Suds	Sewage Alg	gae 🗌 Other	IVO	1 1 mm
Odor:	None		Petrole	eum 🗌	Musty		lorine  Other	Loca	teo.
				Solvent _	Fishy	Sulfur Fra	agrant	The second second	
Turbidity:	None							0040400004	100 100
Color:	None							020181022094	126.JPG
Gross Solids	s: N	lone	Litter		Veg. Deb	ris Sediment	Other	201	8
Vegetation:	Ν	lone	Inhibite	ed 🔲 l	Excessive	e	_;	Sampling Results ———	
Benthic Gro	wth: N	lone	Green		Brown			Sample Location:	
Stains:	Ν	lone	Flow L	ine 🗌 (	Oil	Rust Stains		Sample ID:	
			Paint		Other			Time Collected:	
Non-illicit:	Ν	lone	☐ Natura	l Sheen	☐ Natur	al Suds/Foam			
⊢Physical (	Condit	ion Assessment –						Total Chlorine (field): Free Chlorine (field):	ppm ppm
Graffiti:	N	lone						Ammonia (field):	ppm ppm
Erosion:		lone						pH (field):	units
Depositio		lone Depth (in	):					Temperature (field):	° F
Damage:		lana — ' '		Jndercut		Crushed		Conductivity (field):	μS/cm
		Corros		Cracks/Str				Detergents:	mg/L

11-376 City of Oshkosh

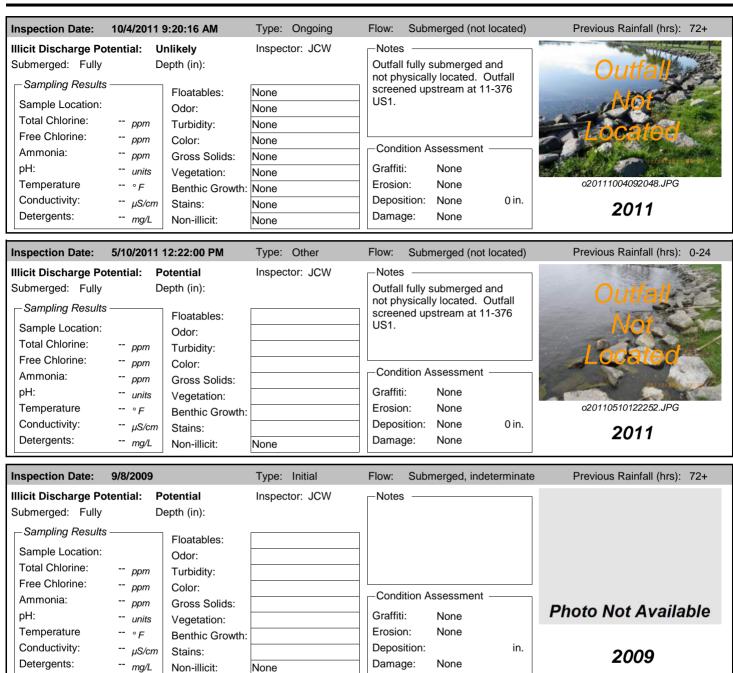








11-376 City of Oshkosh



11-376 US1 City of Oshkosh

## Structure Type:

Manhole

## **Discharge Location:**

Downstream Outfall

#### NR 216 Class:

Major Outfall - Alternate Location

#### Shape:

Manhole/Catchbasin

#### Material:

Manhole - brick

## City ID:

11-376

#### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

## **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181022094224.JPG

#### **Outfall Notes:**

Upstream manhole located approx 82 ft W of outfall 11-376. Intermediate area consists of open space in park.

**County Coordinates:** Latitude/Longitude: Latitude:

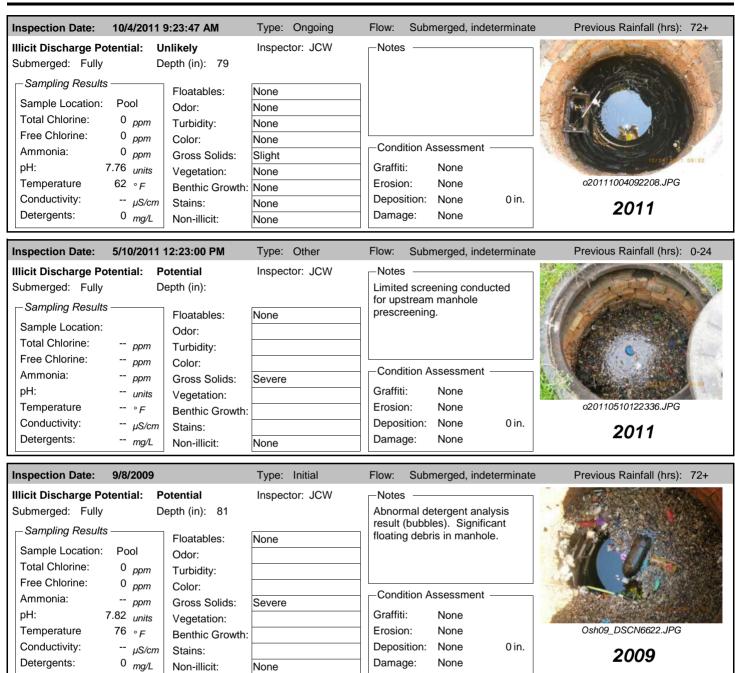
Northing: 478,056 44.03094 Easting: 797,422 Longitude: -88.52121

Inspection D	Date: 10/22/2018 9:45:	12 AM Inspector:	JCW Inspe	ction Type:	Ongoing	Previous Rainfall (hrs):	48-72
Submerged:	ption: Submerged, inde Fully Depth (in arge Potential: Potentia	n): 82	Sample collecte manhole. Floatir manhole.			125	
Floatables: Ddor: Turbidity:	None None None None	Petrol. Sheen Detroleum Detroleum VOC/Solvent		_	ae Other lorine Other grant	020181022094	4232.JPG
Gross Solids Vegetation: Benthic Grow Stains:	None	✓ Litter ✓ Inhibited □ Green □ Flow Line □ Paint □	Excessive Brown	ediment			ol 022-06
Non-illicit:  —Physical C Graffiti: Erosion: Deposition Damage:	None —	cement Undercut	☐ Natural Suds/ ☐ Crushed tructural Damage	Foam		Time Collected: 09:4 Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field): Detergents:	0 ppm 0 ppm 0 ppm 7.52 units 55 ° F 575 μS/cm 0 mg/L

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Inspection Date:	10/17/2017	′ 1:07:06 PM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Po	otential: P	otential	Inspector: JCW	-Notes	
Submerged: Fully		epth (in): 79		Sample collected from submerged pool in manhole.	
Sampling Results	3	Floatables:	None	Floating gross solids (litter) in	
Sample Location:	Pool	Odor:	None	manhole.	
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None		
Free Chlorine:	0 <sub>ppm</sub>	Color:	None		
Ammonia:	0 <sub>ppm</sub>	Gross Solids:	Moderate	Condition Assessment	
pH:	7.62 <sub>units</sub>	Vegetation:	None	Graffiti: None	10.77
Temperature	67 ∘ <sub>F</sub>	Benthic Growth:		Erosion: None	o20171017130258.JPG
Conductivity:	829 <sub>μS/cm</sub>	Stains:	None	Deposition: None in.	2047
Detergents:	0 <sub>mg/L</sub>	Non-illicit:	None	Damage: None	2017
Inspection Date:	10/10/2016	: 7:46:56 AM	Type: Ongoing	Flow: Submargad indatarminata	Previous Rainfall (hrs): 72+
Inspection Date: Illicit Discharge Po		7:46:56 AM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainiaii (nrs). 72+
Submerged: Fully		otential epth (in): 79	Inspector: JCW	Notes Potential illicit discharge due	
,		epui (III). 79		to gross solids.	
Sampling Results	3	Floatables:	None		
Sample Location:	Pool	Odor:	Faint		
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None	-	* * * * * * * * * * * * * * * * * * * *
Free Chlorine:	0 <sub>ppm</sub>	Color:	Faint in bottle		
Ammonia:	0 ppm	Gross Solids:	Severe	Condition Assessment	
pH:	7.89 <sub>units</sub>	Vegetation:	None	Graffiti: None	
Temperature	58 ∘ <sub>F</sub>	Benthic Growth:	None	Erosion: None	o20161019074410.JPG
Conductivity:	357 <sub>μS/cm</sub>	Stains:	None	Deposition: None in.	2016
Detergents:	0 <sub>mg/L</sub>	Non-illicit:	None	Damage: None	2010
Inchestion Date:					
Inspection Date:  Illicit Discharge Po Submerged: Fully	otential: P	9:10:22 AM otential epth (in): 81	Type: Ongoing Inspector: JCW	Flow: Submerged, indeterminate  Notes  Floating gross solids (litter) in manhole.	Previous Rainfall (hrs): 72+
Illicit Discharge Po	otential: P	otential		Notes Floating gross solids (litter) in	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Fully	otential: P	otential epth (in): 81	Inspector: JCW	Notes Floating gross solids (litter) in	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Fully Sampling Results	otential: P	otential epth (in): 81 Floatables:	Inspector: JCW	Notes Floating gross solids (litter) in	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Fully Sampling Results Sample Location:	Pool 0 ppm 0 ppm	otential epth (in): 81 Floatables: Odor:	Inspector: JCW  None  Faint	Floating gross solids (litter) in manhole.	Previous Rainfall (hrs): 72+
Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia:	Pool O ppm O ppm O ppm O ppm O ppm	otential epth (in): 81  Floatables: Odor: Turbidity:	Inspector: JCW  None  Faint None	Notes Floating gross solids (litter) in	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Fully  Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH:	Pool O ppm O ppm O ppm O ppm O ppm Tilde T	otential epth (in): 81  Floatables: Odor: Turbidity: Color:	None Faint None None	Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None	Carl Market 18
Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature	Pool O ppm O ppm O ppm O ppm 7.88 units 68 ° F	otential epth (in): 81  Floatables: Odor: Turbidity: Color: Gross Solids:	None Faint None None Severe None	Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None	Previous Rainfall (hrs): 72+  020150924081150.JPG
Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity:	Pool 0 ppm 0 ppm 0 ppm 7.88 units 68 ° F 397 μS/cm	epth (in): 81  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation:	None Faint None None Severe None	Ploating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None in.	o20150924081150.JPG
Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature	Pool O ppm O ppm O ppm O ppm 7.88 units 68 ° F	epth (in): 81  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth:	None Faint None None Severe None None	Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None	Carl Market 18
Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:	Pool O ppm O ppm O ppm Poss  7.88 units 68 ° F 397 µS/cm O mg/L	otential epth (in): 81  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	None Faint None None Severe None None None None None	Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	620150924081150.JPG 2015
Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date:	Pool 0 ppm 0 ppm 0 ppm 7.88 units 68 ° F 397 µS/cm 0 mg/L	otential epth (in): 81  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	Inspector: JCW  None Faint None None Severe None None None None Type: Ongoing	Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate	o20150924081150.JPG
Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:	Pool 0 ppm 0 ppm 0 ppm 7.88 units 68 ° F 397 μS/cm 0 mg/L  10/9/2014 obtential: P	otential epth (in): 81  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	None Faint None None Severe None None None None None	Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in	620150924081150.JPG 2015
Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Po	Pool O ppm O ppm O ppm O ppm 7.88 units 68 ° F 397 µS/cm O mg/L  10/9/2014 Detential: P	otential epth (in): 81  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  1:36:18 PM otential epth (in): 74	Inspector: JCW  None Faint None None Severe None None None Type: Ongoing Inspector: JCW	Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate  Notes	o20150924081150.JPG 2015
Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Po	Pool 0 ppm 0 ppm 0 ppm 7.88 units 68 ° F 397 µS/cm 0 mg/L  10/9/2014	otential epth (in): 81  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  1:36:18 PM otential epth (in): 74  Floatables:	Inspector: JCW  None Faint None None Severe None None None Type: Ongoing Inspector: JCW	Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in	o20150924081150.JPG 2015
Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Pour Submerged: Fully Sampling Results	Pool 0 ppm 0 ppm 0 ppm 7.88 units 68 ° F 397 μS/cm 0 mg/L  10/9/2014 Dential: P D Pool	otential epth (in): 81  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  1:36:18 PM otential epth (in): 74  Floatables: Odor:	Inspector: JCW  None Faint None None Severe None None None Type: Ongoing Inspector: JCW  None None	Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in	o20150924081150.JPG 2015
Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Po Submerged: Fully Sampling Results Sample Location:	Pool 0 ppm 0 ppm 0 ppm 7.88 units 68 ° F 397 µS/cm 0 mg/L  10/9/2014  Detential: P D Pool 0 ppm	otential epth (in): 81  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  1:36:18 PM otential epth (in): 74  Floatables: Odor: Turbidity:	Inspector: JCW  None Faint None None Severe None None None Type: Ongoing Inspector: JCW  None None None	Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in	o20150924081150.JPG 2015
Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Po Submerged: Fully Sampling Results Sample Location: Total Chlorine:	Pool 0 ppm 0 ppm 0 ppm 7.88 units 68 ° F 397 μS/cm 0 mg/L  10/9/2014 Detential: P D  Pool 0 ppm	repth (in): 81  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  1:36:18 PM otential epth (in): 74  Floatables: Odor: Turbidity: Color:	Inspector: JCW  None Faint None None Severe None None None Type: Ongoing Inspector: JCW  None None None Faint in bottle	Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in	o20150924081150.JPG 2015
Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Illicit Discharge Po Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia:	Pool 0 ppm 0 ppm 0 ppm 7.88 units 68 ° F 397 µS/cm 0 mg/L  10/9/2014  Detential: P D  Pool 0 ppm 0 ppm 0 ppm 0 ppm 0 ppm 0 ppm	rotential epth (in): 81  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  1:36:18 PM otential epth (in): 74  Floatables: Odor: Turbidity: Color: Gross Solids:	Inspector: JCW  None Faint None None Severe None None None Type: Ongoing Inspector: JCW  None None Severe None None None Severe None None None Severe None None None None None Severe	Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate  Floating gross solids (litter) in manhole.	o20150924081150.JPG 2015
Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Illicit Discharge Po Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia:	Pool 0 ppm 0 ppm 0 ppm 7.88 units 68 ° F 397 μS/cm 0 mg/L  10/9/2014 Detential: P D  Pool 0 ppm	rloatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  1:36:18 PM otential epth (in): 74  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation:	Inspector: JCW  None Faint None None Severe None None None Type: Ongoing Inspector: JCW  None None Severe None None None None None None None Non	Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment	620150924081150.JPG 2015
Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Po Submerged: Fully Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH:	Pool 0 ppm 0 ppm 0 ppm 7.88 units 68 ° F 397 µS/cm 0 mg/L  10/9/2014  Detential: P D  Pool 0 ppm 0 ppm 0 ppm 0 ppm 7.76 units 59 ° F	rloatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  1:36:18 PM otential epth (in): 74  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth:	Inspector: JCW  None Faint None None Severe None None None Type: Ongoing Inspector: JCW  None None None Severe None None None None None None None Non	Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None	020150924081150.JPG 2015  Previous Rainfall (hrs): 72+
Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Po Submerged: Fully Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature	Pool 0 ppm 0 ppm 0 ppm 7.88 units 68 ° F 397 µS/cm 0 mg/L  10/9/2014  Detential: P D  Pool 0 ppm 0 ppm 0 ppm 0 ppm 7.76 units	rloatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  1:36:18 PM otential epth (in): 74  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation:	Inspector: JCW  None Faint None None Severe None None None Type: Ongoing Inspector: JCW  None None Severe None None None None None None None Non	Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None	o20150924081150.JPG 2015  Previous Rainfall (hrs): 72+

11-376 US1 City of Oshkosh



11-512 City of Oshkosh

Priority Outfall

## Structure Type:

Closed Pipe Outfall

## **Discharge Location:**

Water of the State

#### NR 216 Class:

Minor Outfall

#### Shape:

Pipe - Arch

#### Material:

CMP

## City ID: N/A

## -Dimensions

Diameter (in):

Height/Depth (in): 24

Width (in):

## **Mapping Precison:**

Desktop mapping estimate

✓ Not Physically Located

o20181022095650.JPG

## **Outfall Notes:**

Storm sewer from Washington Ave discharges to lake from west. Outfall not located - pipe info from MS4 map.

**County Coordinates:** Latitude/Longitude: Northing: 473,370 Latitude: 44.01809

Easting: 798,806 Longitude: -88.51594



Flow Description: Submerged (not located) Submerged: Fully Depth (in): Illicit Discharge Potential:	Inspection D	oate: 10/22/2	2018 9:59:38 AM	Inspector:	JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	48-72
Floatables: None	Submerged:	Fully	Depth (in):	Notes:	screene	ed upstream at 11-512	2 US1. Floating	1	
Gross Solids: None	Odor:  Turbidity:	None		Petroleum _	Musty	Sewage Ch	nlorine  Other	Locat	ed
Benthic Growth: None Green Brown Stains: None Flow Line Oil Rust Stains Paint Other  Non-illicit: None Natural Sheen Natural Suds/Foam  Physical Condition Assessment Graffiti: None Erosion: None Deposition: None Depth (in): Damage: None Displacement Undercut Crushed  Sample Location: Sample ID: Time Collected: Total Chlorine (field): ppm Free Chlorine (field): ppm Ammonia (field): ppm PH (field): units Temperature (field): ° F Conductivity (field): "PS/cm"					•	_			3
Non-illicit: None	Benthic Grow			Green	Brown Oil	_		Sample Location: Sample ID:	
Corrosion Cracks/Structural Damage Detergents: mg/L	Physical C Graffiti: Erosion: Deposition	None None None None	sment  Depth (in):	t Undercut		Crushed		Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field):	ppm ppm units ° F µS/cm

11-512 City of Oshkosh

Inspection Date:	10/17/20	17 1:20:48 PM	Type: Ongoing	Flow:	Submerged (no	t located)	Previous Rainfall (hrs): 48-72
Illicit Discharge Pot	tential:	Potential	Inspector: JCW	-Note:	s ———		A MARIE TO THE REAL PROPERTY OF THE PARTY OF
Submerged: Fully		Depth (in):			ll fully submerged cated - screened	and	Outfall
Sampling Results		Floatables:	None		eam at 11-512 US		Mot
Sample Location:		Odor:	None	— Floatii — manh	ng gross solids (li	tter) in	Not
Total Chlorine:	ppm	Turbidity:	None	Illalili	ole.		Vapotod
Free Chlorine:	ppm	Color:	None				Located
Ammonia:	ppm	Gross Solids:	0	- Cond	dition Assessmen		
pH:	units	Vegetation:	0	Graffit	ti: None		and the same
Temperature	∘ <i>F</i>	Benthic Growth:	0	Erosio	on: 0		o20171017131910.JPG
Conductivity:	μS/cr	n Stains:	0	Depos	sition: 0	in.	2017
Detergents:	mg/L	Non-illicit:	0	Dama	ige: None		2017

11-512 City of Oshkosh

11-512 US1 City of Oshkosh

# **Location Map**

# Structure Type: Manhole **Discharge Location:** Downstream Outfall NR 216 Class: Minor Outfall - Alternate Location Shape: Manhole/Catchbasin Material: Manhole - concrete City ID: 11-512 -Dimensions Diameter (in): Height/Depth (in):

Width (in):

Mapping GPS

**Mapping Precison:** 

■ Not Physically Located



#### **Outfall Notes:**

Upstream manhole located approx 34 ft SW of outfall 11-512. Intermediate area consists of open space.

**County Coordinates:** Latitude/Longitude: Northing: 473,351 Latitude: 44.01804 Easting: 798,773 Longitude: -88.51607



Inspection	Date:	10/22/2018 10:00:	<b>30 AM</b> In	spector:	JCW	Inspection	Туре:	Ongoing	Previous Rainfall (hrs):	48-7	72
Flow Descr Submerged:	Fully		): 42	Notes:		collected from e. Floating gro e.		•			
Floatables: Odor:	None None	otentiai: Potentia		_	Suds Musty Fishy	Sewage Sewage Sulfur		gae			
Turbidity:	None								02018102210	0114 JF	10/22/XII8
Color: Gross Solids	None s: Mo	oderate	✓ Litter	•	Veg. Debr	is 🗌 Sedim	ent	Other	201		
Vegetation:	No	one	Inhibite	ed 🔲	Excessive			Г	-Sampling Results ——		
Benthic Gro		ght	<ul><li>✓ Green</li><li>☐ Flow Li</li><li>☐ Paint</li></ul>	ne 🔲	Brown Oil Other	Rust S	Stains		•	022-4	9
Non-illicit:		one on Assessment —	Natural	Sheen	☐ Natura	al Suds/Foam	ı		Time Collected: 09: Total Chlorine (field):	58 0	ppm
Graffiti: Erosion:	No	one one							Free Chlorine (field): Ammonia (field): pH (field):	0 0 7.35	ppm ppm units
Deposition Damage:		one Depth (in):  Displace Corrosic		Indercut Cracks/Str	☐ C ructural Da	rushed amage			Temperature (field): Conductivity (field): Detergents:	57 470 0	° F µS/cm mg/L

11-512 US1 City of Oshkosh

Inspection Date:	10/17/2017	′ 1:23:39 PM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Po	otential: P	otential	Inspector: JCW	-Notes	
Submerged: Fully	, D	epth (in): 35		Sample collected from	The state of the s
_Sampling Result	's			submerged pool in manhole. Floating gross solids (litter) in	
Sample Location:		Floatables:	None	manhole.	
Total Chlorine:	0 <sub>ppm</sub>	Odor:	None		
Free Chlorine:	_	Turbidity:	None		
Ammonia:	0 <sub>ppm</sub> 0 <sub>ppm</sub>	Color:	None	Condition Assessment	
	7.47 <sub>units</sub>	Gross Solids:	Moderate	Graffiti: None	10/15/2017
Temperature	67 ∘ <sub>F</sub>	Vegetation: Benthic Growth:	None	Erosion: None	o20171017131930.JPG
Conductivity:	581 <sub>μS/cm</sub>	Stains:	None	Deposition: None in.	
Detergents:	0 <sub>mg/L</sub>	Non-illicit:	None	Damage: None	2017
	mg/E	Non-illoit.	None		
nspection Date:	10/10/2016	11:07:16 AM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Po		otential	Inspector: JCW	-Notes	
Submerged: Fully	, D	epth (in): 35		Potential illicit discharge due	
Sampling Result	's ———	Flootobles	None	to gross solids.	
Sample Location:	Pool	Floatables: Odor:	None	-	
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None None	-	
Free Chlorine:	0 <sub>ppm</sub>	Color:	None		
Ammonia:	0 <sub>ppm</sub>	Gross Solids:	Severe	Condition Assessment	
pH:	7.63 <sub>units</sub>	Vegetation:	None	Graffiti: None	077 2016
Temperature	65 ∘ <sub>F</sub>	Benthic Growth:		Erosion: None	o20161010110444.JPG
Conductivity:	514 <sub>μS/cm</sub>	Stains:	None	Deposition: None in.	2016
		•			2111B
Detergents:	0 <sub>mg/L</sub>	Non-illicit:	None	Damage: None	2010
nspection Date:	9/22/2015	7:04:46 AM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
nspection Date:	9/22/2015 otential: P	7:04:46 AM otential		Flow: Submerged, indeterminate  Notes	
Inspection Date: Illicit Discharge Po	<b>9/22/2015</b> otential: P	7:04:46 AM	Type: Ongoing	Flow: Submerged, indeterminate	
Inspection Date:	<b>9/22/2015</b> otential: P	7:04:46 AM otential	Type: Ongoing	Flow: Submerged, indeterminate  Notes  Floating gross solids (litter) in	
Illicit Discharge Po Submerged: Fully Sampling Result Sample Location:	<b>9/22/2015</b> otential: P  S Pool	7:04:46 AM otential epth (in): 37	Type: Ongoing Inspector: JCW	Flow: Submerged, indeterminate  Notes  Floating gross solids (litter) in	
Inspection Date: Illicit Discharge Pour Submerged: Fully Sampling Result Sample Location: Total Chlorine:	9/22/2015 otential: P	7:04:46 AM otential epth (in): 37 Floatables:	Type: Ongoing Inspector: JCW None	Flow: Submerged, indeterminate  Notes  Floating gross solids (litter) in	
Inspection Date: Illicit Discharge Pour Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine:	9/22/2015 otential: P  otential	7:04:46 AM otential epth (in): 37 Floatables: Odor:	Type: Ongoing Inspector: JCW None None	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.	
Inspection Date: Illicit Discharge Pour Submerged: Fully Sampling Result Sample Location: Total Chlorine: Free Chlorine: Ammonia:	9/22/2015 otential: P  otential	7:04:46 AM otential epth (in): 37  Floatables: Odor: Turbidity: Color: Gross Solids:	Type: Ongoing Inspector: JCW  None None None	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment	
nspection Date: Ilicit Discharge Pour Submerged: Fully Sampling Result. Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH:	9/22/2015 otential: P D SS Pool 0 ppm 0 ppm 0 ppm 7.93 units	7:04:46 AM otential epth (in): 37  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation:	Type: Ongoing Inspector: JCW  None None None None Moderate None	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None	Previous Rainfall (hrs): 72+
Inspection Date: Illicit Discharge Posubmerged: Fully Sampling Result. Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature	9/22/2015 otential: P D SS Pool 0 ppm 0 ppm 0 ppm 7.93 units 65 ∘ F	7:04:46 AM otential epth (in): 37  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth:	Type: Ongoing Inspector: JCW  None None None None Moderate None	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None	
Inspection Date: Illicit Discharge Posubmerged: Fully Sampling Result: Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity:	9/22/2015 otential: P  Series Pool Oppm Oppm Oppm 7.93 units 65 ° F 1055 µS/cm	7:04:46 AM  otential epth (in): 37  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains:	Type: Ongoing Inspector: JCW  None None None Moderate None None None None	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None in.	Previous Rainfall (hrs): 72+
Inspection Date: Illicit Discharge Pour Submerged: Fully Sampling Result. Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature	9/22/2015 otential: P D SS Pool 0 ppm 0 ppm 0 ppm 7.93 units 65 ∘ F	7:04:46 AM otential epth (in): 37  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth:	Type: Ongoing Inspector: JCW  None None None None Moderate None None	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None	Previous Rainfall (hrs): 72+
Inspection Date: Illicit Discharge Pour Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:	9/22/2015 otential: P D S Pool 0 ppm 0 ppm 0 ppm 7.93 units 65 ° F 1055 μS/cm 0 mg/L	7:04:46 AM  otential epth (in): 37  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains:	Type: Ongoing Inspector: JCW  None None None Moderate None None None None	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None in.	Previous Rainfall (hrs): 72+  020150922060832.JPG
Inspection Date: Illicit Discharge Pour Submerged: Fully Sampling Result. Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:	9/22/2015 otential: P  SS Pool 0 ppm 0 ppm 0 ppm 7.93 units 65 ° F 1055 µS/cm 0 mg/L	7:04:46 AM otential epth (in): 37  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	Type: Ongoing Inspector: JCW  None None None None Moderate None None None None None	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment  Graffiti: None Erosion: None Deposition: None Damage: None	Previous Rainfall (hrs): 72+  020150922060832.JPG  2015
Inspection Date: Illicit Discharge Posubmerged: Fully Sampling Result: Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity:	9/22/2015  otential: P  otential: P  otential: P  otential: P  otential: P  otential: P	7:04:46 AM  otential epth (in): 37  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	Type: Ongoing Inspector: JCW  None None None None Moderate None None None None None Type: Ongoing	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None Damage: None  Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in	Previous Rainfall (hrs): 72+  020150922060832.JPG  2015
Inspection Date: Illicit Discharge Pour Submerged: Fully Sampling Result. Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents: Inspection Date: Illicit Discharge Pour Submission Date:	9/22/2015 otential: P D S Pool 0 ppm 0 ppm 7.93 units 65 ° F 1055 μS/cm 0 mg/L  10/9/2014 otential: P	7:04:46 AM  otential epth (in): 37  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  12:52:08 PM  otential epth (in): 39	Type: Ongoing Inspector: JCW  None None None Moderate None None None Type: Ongoing Inspector: JCW	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None Damage: None  Flow: Submerged, indeterminate  Notes	Previous Rainfall (hrs): 72+  020150922060832.JPG  2015
Inspection Date: Illicit Discharge Pour Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents: Inspection Date: Illicit Discharge Pour Submerged: Fully	9/22/2015 Totential: P  SS	7:04:46 AM  otential epth (in): 37  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  12:52:08 PM  otential epth (in): 39  Floatables:	Type: Ongoing Inspector: JCW  None None None None Moderate None None None Type: Ongoing Inspector: JCW	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None Damage: None  Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in	Previous Rainfall (hrs): 72+  020150922060832.JPG  2015
Inspection Date: Illicit Discharge Pour Submerged: Fully Sampling Result. Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents: Inspection Date: Illicit Discharge Pour Submerged: Fully Sampling Result.	9/22/2015 otential: P  D  S Pool O ppm O ppm O ppm 7.93 units 65 ° F 1055 μS/cm O mg/L  10/9/2014 otential: P  S Pool	7:04:46 AM  otential epth (in): 37  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  12:52:08 PM  otential epth (in): 39  Floatables: Odor:	Type: Ongoing Inspector: JCW  None None None Moderate None None None Type: Ongoing Inspector: JCW  None None	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None Damage: None  Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in	Previous Rainfall (hrs): 72+  020150922060832.JPG  2015
Inspection Date: Illicit Discharge Pour Submerged: Fully Sampling Result. Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents: Inspection Date: Illicit Discharge Pour Submerged: Fully Sampling Result. Sample Location:	9/22/2015 otential: P  D  S Pool O ppm O ppm O ppm 7.93 units 65 ° F 1055 μS/cm O mg/L  10/9/2014 otential: P  S Pool O ppm	7:04:46 AM otential epth (in): 37  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  12:52:08 PM otential epth (in): 39  Floatables: Odor: Turbidity:	Type: Ongoing Inspector: JCW  None None None Moderate None None None Type: Ongoing Inspector: JCW  None None Slight cloudiness	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None Damage: None  Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in	Previous Rainfall (hrs): 72+  020150922060832.JPG  2015
Inspection Date: Illicit Discharge Pour Submerged: Fully Sampling Result. Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents: Inspection Date: Illicit Discharge Pour Submerged: Fully Sampling Result. Sample Location: Total Chlorine:	9/22/2015 otential: P  S Pool 0 ppm 0 ppm 7.93 units 65 ° F 1055 μS/cm 0 mg/L  10/9/2014 otential: P  S Pool 0 ppm 0 ppm	7:04:46 AM otential epth (in): 37  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  12:52:08 PM otential epth (in): 39  Floatables: Odor: Turbidity: Color:	Type: Ongoing Inspector: JCW  None None None Moderate None None None Type: Ongoing Inspector: JCW  None Slight cloudiness None	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None Damage: None  Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in	Previous Rainfall (hrs): 72+  020150922060832.JPG  2015
Inspection Date: Illicit Discharge Pour Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents: Inspection Date: Illicit Discharge Pour Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia:	9/22/2015 otential: P D S Pool 0 ppm 0 ppm 7.93 units 65 ° F 1055 μS/cm 0 mg/L  10/9/2014 otential: P S Pool 0 ppm	7:04:46 AM otential epth (in): 37  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  12:52:08 PM otential epth (in): 39  Floatables: Odor: Turbidity: Color: Gross Solids:	Type: Ongoing Inspector: JCW  None None None Moderate None None None Type: Ongoing Inspector: JCW  None None None Moderate None Moderate None Moderate None Moderate None Moderate None None None None None None None Non	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None Damage: None  Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.	Previous Rainfall (hrs): 72+  020150922060832.JPG  2015
Inspection Date: Illicit Discharge Pour Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents: Inspection Date: Illicit Discharge Pour Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia:	9/22/2015 otential: P  D  S Pool 0 ppm 0 ppm 7.93 units 65 ° F 1055 μS/cm 0 mg/L  10/9/2014 otential: P  S Pool 0 ppm 0 ppm 0 ppm 0 ppm 7.57 units	7:04:46 AM otential epth (in): 37 Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  12:52:08 PM otential epth (in): 39 Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation:	Type: Ongoing Inspector: JCW  None None None Moderate None None None Type: Ongoing Inspector: JCW  None None Moderate None None None None None None None Non	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment  Condition Assessment	Previous Rainfall (hrs): 72+  020150922060832.JPG  2015
Inspection Date: Illicit Discharge Pour Submerged: Fully Sampling Result. Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents: Inspection Date: Illicit Discharge Pour Submerged: Fully Sampling Result. Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH:	9/22/2015 otential: P D S Pool 0 ppm 0 ppm 7.93 units 65 ° F 1055 μS/cm 0 mg/L  10/9/2014 otential: P S Pool 0 ppm	7:04:46 AM otential epth (in): 37 Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  12:52:08 PM otential epth (in): 39 Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation:	Type: Ongoing Inspector: JCW  None None None Moderate None None None Type: Ongoing Inspector: JCW  None None None Moderate None None None None None None None Non	Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged, indeterminate  Notes Floating gross solids (litter) in manhole.  Condition Assessment Graffiti: None	Previous Rainfall (hrs): 72+  020150922060832.JPG  2015  Previous Rainfall (hrs): 72+

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Increation Date: 0/07/05 to				
Inspection Date: 9/27/2012	8:22:20 AM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: U	nlikely	Inspector: JCW	-Notes	
Submerged: Fully D	epth (in): 34		2011 gross solids follow-up.	
Sampling Results	Floatables:	None	]	
Sample Location: Pool	Odor:	None		
Total Chlorine: 0 ppm	Turbidity:	None		
Free Chlorine: 0 ppm	· · · · · · · · · · · · · · · · · · ·	None		
Ammonia: 0 ppm		Slight	Condition Assessment	
pH: 8.73 units		None	Graffiti: None	09/3972012
Temperature 59 ∘ F	Benthic Growth:		Erosion: None	o20120927072438.JPG
Conductivity: 416 µS/cm		Slight	Deposition: None in.	2042
Detergents: 0 mg/L	l	None	Damage: None	2012
Inspection Date: 6/20/2012	8:24:06 AM	Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 24-48
Illicit Discharge Potential: P		Inspector: JCW	Notes — Submerged, indeterminate	1.5vious (unian (115). 24-40
	epth (in): 40	mopeotor. JOVV	Gross solids pre-screening.	21 /2
•	opui (iii). 40		Oross solids pre-screening.	
Sampling Results	Floatables:	None	7	
Sample Location:	Odor:	None		
Total Chlorine: ppm	Turbidity:	None		
Free Chlorine: ppm		None		
Ammonia: ppm	Gross Solids:	Severe	Condition Assessment	
pH: units		None	Graffiti: None	
Temperature ∘ F	"	None	Erosion: None	o20120620072408.JPG
Conductivity: µS/cm		None	Deposition: None in.	2042
Detergents: mg/L		None	Damage: None	2012
Illicit Discharge Potential: P	epth (in): 36 Floatables:	Type: Ongoing Inspector: JCW None	Flow: Submerged, indeterminate  Notes  Significant floatable debris in manhole.	Previous Rainfall (hrs): 72+
		None	68	
Total Chlorine: 0 ppm	Turbidity:	None		
Total Chlorine: 0 ppm Free Chlorine: 0 ppm	Turbidity: Color:	None None	Condition Assessment	
Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm	Turbidity: Color: Gross Solids:	None None Severe		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.39 units	Turbidity: Color: Gross Solids: Vegetation:	None None Severe None	Graffiti: None	o20111003121302JPG
Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.39 units Temperature $67 \circ F$	Turbidity: Color: Gross Solids: Vegetation: Benthic Growth:	None None Severe None	Graffiti: None Erosion: None	o20111003121302.JPG
Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.39 units Temperature 67 $\circ$ F Conductivity: $\mu$ S/cm	Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains:	None None Severe None	Graffiti: None	o20111003121302.JPG 2011
Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.39 units Temperature 67 $\circ$ F Conductivity: $\mu$ S/cm Detergents: 0 mg/L	Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	None None Severe None None None None	Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	2011
Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.39 units Temperature 67 $_{\circ}F$ Conductivity: $_{\mu}S/cm$ Detergents: 0 $_{mg/L}$	Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	None None Severe None None None None Type: Other	Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.39 units Temperature 67 $_{\circ}F$ Conductivity: $_{\mu}S/cm$ Detergents: 0 $_{mg/L}$ Inspection Date: 5/10/2011 9  Illicit Discharge Potential: P	Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	None None Severe None None None None	Graffiti: None Erosion: None Deposition: None 0 in. Damage: None  Flow: Submerged, indeterminate  Notes Limited screening conducted	2011
Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.39 units Temperature 67 $_{\circ}F$ Conductivity: $_{\mu}S/cm$ Detergents: 0 $_{mg/L}$ Inspection Date: 5/10/2011 9  Illicit Discharge Potential: P	Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  9:08:00 AM otential epth (in):	None None Severe None None None None Type: Other	Graffiti: None Erosion: None Deposition: None 0 in. Damage: None  Flow: Submerged, indeterminate  Notes	2011
Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.39 units Temperature 67 ° F Conductivity: µS/cm Detergents: 0 mg/L  Inspection Date: 5/10/2011 9 Submerged: Fully D	Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  9:08:00 AM otential epth (in):	None None Severe None None None Type: Other Inspector: JCW	Graffiti: None Erosion: None Deposition: None 0 in. Damage: None  Flow: Submerged, indeterminate  Notes Limited screening conducted for upstream manhole	2011
Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.39 units Temperature 67 ° F Conductivity: μS/cm Detergents: 0 mg/L  Inspection Date: 5/10/2011 9 Submerged: Fully D Sampling Results Sample Location: Total Chlorine: ppm	Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  9:08:00 AM otential epth (in): Floatables:	None None Severe None None None Type: Other Inspector: JCW	Graffiti: None Erosion: None Deposition: None 0 in. Damage: None  Flow: Submerged, indeterminate  Notes Limited screening conducted for upstream manhole	2011
Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.39 units Temperature 67 ∘ F Conductivity: μS/cm Detergents: 0 mg/L  Inspection Date: 5/10/2011 9 Illicit Discharge Potential: Posubmerged: Fully Description Sample Location: Tatal Chloricae	Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  9:08:00 AM otential pepth (in): Floatables: Odor:	None None Severe None None None Type: Other Inspector: JCW	Graffiti: None Erosion: None Deposition: None 0 in. Damage: None  Flow: Submerged, indeterminate  Notes Limited screening conducted for upstream manhole prescreening.	2011
Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.39 units Temperature 67 ° F Conductivity: µS/cm Detergents: 0 mg/L  Inspection Date: 5/10/2011 9 Illicit Discharge Potential: P Submerged: Fully D Sampling Results Sample Location: Total Chlorine: ppm	Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  9:08:00 AM otential epth (in): Floatables: Odor: Turbidity: Color:	None None Severe None None None Type: Other Inspector: JCW	Graffiti: None Erosion: None Deposition: None 0 in. Damage: None  Flow: Submerged, indeterminate  Notes Limited screening conducted for upstream manhole	2011
Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.39 units Temperature 67 ° F Conductivity: µS/cm Detergents: 0 mg/L  Inspection Date: 5/10/2011 9 Illicit Discharge Potential: Posubmerged: Fully D Sampling Results Sample Location: Total Chlorine: ppm Free Chlorine: ppm	Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  9:08:00 AM otential epth (in): Floatables: Odor: Turbidity: Color:	None None Severe None None None None Type: Other Inspector: JCW	Graffiti: None Erosion: None Deposition: None 0 in. Damage: None  Flow: Submerged, indeterminate  Notes Limited screening conducted for upstream manhole prescreening.	2011
Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.39 units Temperature 67 ° F Conductivity: μS/cm Detergents: 0 mg/L  Inspection Date: 5/10/2011 9 Illicit Discharge Potential: Posubmerged: Fully Determines Poppm Free Chlorine: ppm Ammonia: ppm	Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  9:08:00 AM otential epth (in): Floatables: Odor: Turbidity: Color: Gross Solids:	None None Severe None None None None Type: Other Inspector: JCW	Graffiti: None Erosion: None Deposition: None 0 in. Damage: None  Flow: Submerged, indeterminate  Notes Limited screening conducted for upstream manhole prescreening.  Condition Assessment	2011
Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.39 units Temperature 67 ∘ F Conductivity: μS/cm Detergents: 0 mg/L  Inspection Date: 5/10/2011 9 Illicit Discharge Potential: Posubmerged: Fully D  Sampling Results Sample Location: Total Chlorine: ppm Free Chlorine: ppm Ammonia: ppm pH: units	Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  9:08:00 AM otential epth (in): Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation:	None None Severe None None None None Type: Other Inspector: JCW	Graffiti: None Erosion: None Deposition: None 0 in. Damage: None  Flow: Submerged, indeterminate  Notes Limited screening conducted for upstream manhole prescreening.  —Condition Assessment Graffiti: None	Previous Rainfall (hrs): 0-24

12-569 City of Oshkosh

Priority Outfall

## Structure Type:

Closed Pipe Outfall

#### **Discharge Location:**

Water of the State

#### NR 216 Class:

Minor Outfall

## Shape:

Pipe - Circular

#### Material:

CMP

# City ID:

N/A

#### -Dimensions

Diameter (in): 21

Height/Depth (in):

Width (in):

## **Mapping Precison:**

Desktop mapping estimate

✓ Not Physically Located



o20181024092146.JPG

#### **Outfall Notes:**

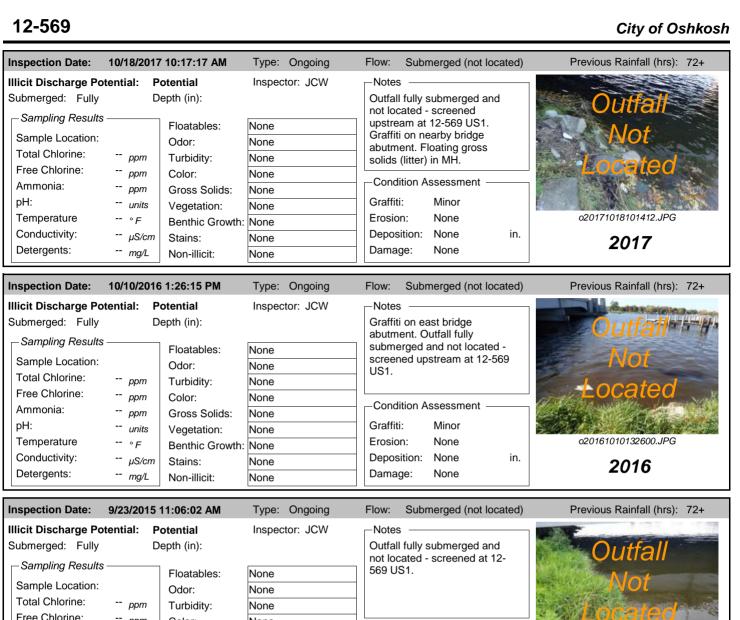
Congress Ave storm sewer discharges to river from east. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

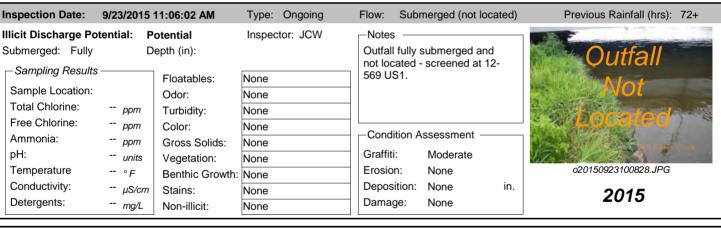
County Coordinates: Latitude/Longitude:

Northing: 479,314 Latitude: 44.03438 Easting: 786,529 Longitude: -88.56263



Inspection D	Date: 10/24/	2018 9:23:56 AM	Inspector:	JCW Ins	spection Type:	Ongoing	Previous Rainfall (hrs):	72+
Submerged:		erged (not located)  Depth (in):  Potential	Notes:	screened ups	ubmerged and l tream at 12-56 dge abutment. n MH.	9 US1. Graffiti	Outf	all t
Odor:	None None	Petr	ol. Sheen  oleum  c/Solvent	Musty S	Sewage C	gae Other Other Other agrant	Loca	ted
	None						o201810240921	54.JPG
Gross Solids	: None	Litte	r 🔲 <b>\</b>	/eg. Debris	Sediment [	Other	2018	8
Vegetation: Benthic Grow Stains:	None wth: None None	☐ Inhit ☐ Gree ☐ Flow ☐ Pain	en [] [	Excessive Brown  Dil  Other	] Rust Stains		Sampling Results  Sample Location:  Sample ID:  Time Collected:	
Non-illicit:  — Physical C Graffiti: Erosion: Deposition Damage:	None Condition Asset Moderate None n: None None		ral Sheen  Jundercut Cracks/Str	☐ Natural Suc ☐ Crushe uctural Damage	d		Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field): Detergents:	ppm ppm ppm units ° F μS/cm mg/L





Inspection Date:	10/7/2014	7:38:26 AM	Type: Ongoing	Flow:	Subr	merged (not loc	ated)	Previous Rainfall (hrs): 48-72
Illicit Discharge Po Submerged: Fully	D	otential epth (in):	Inspector: JCW		l fully s	submerged and	I	Outfall
Sampling Results Sample Location: Total Chlorine:	ppm	Floatables: Odor: Turbidity:	None None			12-569 US1. ast abutment.		Not
Free Chlorine: Ammonia:	ppm	Color:	None None			ssessment —		Locatec
pH: Temperature Conductivity:	units	Vegetation: Benthic Growth:		Graffi Erosio	on:	Moderate None None	in.	o20141007063712.JPG
Detergents:	μS/cm mg/L	Stains: Non-illicit:	None None	Dama		None		2014

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Inspection Date:	10/11/2011	1:49:07 PM	Type:	Ongoing	Flow:	Submerged (not I	located)	Previous Rainfall (hrs): 72+
Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:	D	nlikely epth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	None None None None None	tor: JCW	Outfall not phy screen US1.	creening follow-up fully submerged a rsically located. O ed upstream at 12 tion Assessment - None  None None None	ind Outfall	Outfall Not Locoted 020111011134840.JPG 2011
Inspection Date: Illicit Discharge Po Submerged: Fully Sampling Results	otential: P	2:37:50 PM otential epth (in):		Ongoing tor: JCW	not phy	Submerged (not I	ind Outfall	Previous Rainfall (hrs): 72+

12-569 US1 City of Oshkosh

#### Structure Type:

Manhole

## **Discharge Location:**

Downstream Outfall

#### NR 216 Class:

Minor Outfall - Alternate Location

#### Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

## City ID:

12-569

#### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

## **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181024092314.JPG

#### **Outfall Notes:**

Upstream manhole located approx 48 ft ESE of outfall 12-569. Intermediate area consists of open space.

County Coordinates: Latitude/Longitude:
Northing: 479,306 Latitude: 44.03436

Northing: 479,306 Latitude: 44.03436 Easting: 786,577 Longitude: -88.56245



#### **Inspection Date:** 10/24/2018 9:25:23 AM **JCW** Previous Rainfall (hrs): 72+ Inspector: Inspection Type: Ongoing Flow Description: Sample collected from submerged pool in Submerged, indeterminate Notes: manhole. Floating gross solids (litter) in Submerged: Fully Depth (in): 44 manhole. Illicit Discharge Potential: Potential Other Petrol. Sheen Suds Sewage Algae Floatables: None Odor: None Petroleum Musty Sewage Chlorine Other ∇OC/Solvent Fishy Sulfur Fragrant Turbidity: None o20181024092322.JPG Color: None Gross Solids: Slight ✓ Litter ☐ Veg. Debris ☐ Sediment ☐ Other 2018 Vegetation: None Inhibited Excessive Sampling Results Benthic Growth: None Green Brown Sample Location: Pool Stains: Flow Line Oil Rust Stains None Sample ID: 181024-41 Paint Other Time Collected: 09:26 Natural Sheen Natural Suds/Foam Non-illicit: None Total Chlorine (field): 0 ppm Physical Condition Assessment Free Chlorine (field): ppm Graffiti: None Ammonia (field): 0 ppm Erosion: pH (field): units None 7.40 ۰F Deposition: None Depth (in): Temperature (field): 52 Damage: None Conductivity (field): 714 μS/cm ☐ Displacement ☐ Undercut Crushed Detergents: 0 mg/L Corrosion Cracks/Structural Damage

12-569 US1 City of Oshkosh

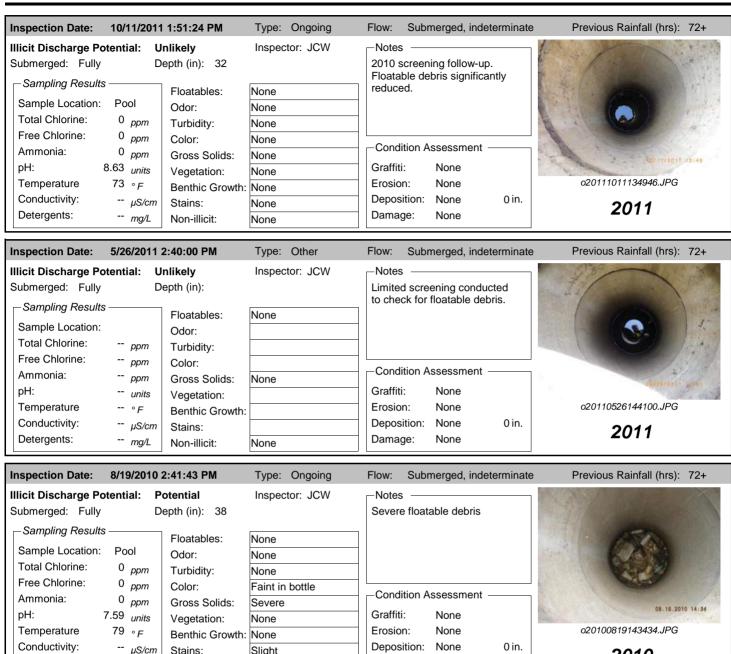
12-309 00					City of Usrikos
Inspection Date:	10/18/2017	′ 10:20:25 AM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge F		otential	Inspector: JCW	-Notes	
Submerged: Fully	у Б	epth (in): 39		Sample collected from submerged pool in manhole.	
Sampling Resul	lts ———	Floatables:	None	Floating gross solids (litter) in	
Sample Location	n: Pool	Odor:	None	manhole.	
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None	8	
Free Chlorine:	0 <sub>ppm</sub>	Color:	None		
Ammonia:	0 <sub>ppm</sub>	Gross Solids:	Moderate	Condition Assessment	
pH:	7.44 <sub>units</sub>	Vegetation:	None	Graffiti: None	10.618/2617
Temperature	65 ∘ <sub>F</sub>	Benthic Growth:		Erosion: None	o20171018101542.JPG
Conductivity:	1118 <sub>μS/cm</sub>	Stains:	None	Deposition: None in.	0047
Detergents:	0 mg/L	Non-illicit:	None	Damage: None	2017
nspection Date:	10/10/2016	6 1:30:04 PM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Ilicit Discharge F		otential	Inspector: JCW	_Notes	A CONTRACTOR OF THE PARTY OF TH
Submerged: Fully		epth (in): 38		Potential illicit discharge due	
				to gross solids.	
—Sampling Resul		Floatables:	None	55	N. A.
Sample Location	n: Pool	Odor:	None	9	
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	Slight cloudiness		
Free Chlorine:	0 <sub>ppm</sub>	Color:	Clearly visible in bottl	Condition Assessment	
Ammonia:	0 <sub>ppm</sub>	Gross Solids:	Moderate	Condition Assessment —	
pH:	7.41 <sub>units</sub>	Vegetation:	None	Graffiti: None	10/10/2016
Temperature	69 ∘ <sub>F</sub>	Benthic Growth:	None	Erosion: None	o20161010132718.JPG
Conductivity:	616 <sub>μS/cm</sub>	Stains:	None	Deposition: None in.	2016
Detergents:	0 <sub>mg/L</sub>	Non-illicit:	None	Damage: None	2010
nspection Date:	9/23/2015	11:06:51 AM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Ilicit Discharge F	Potential: P	otential	Inspector: JCW	Notes	
Submerged: Fully	y D	epth (in): 40		Floating gross solids (litter) in	
– Sampling Resul	lts ———	Electrical de la constant de la cons	Nicos	manhole.	030
Sample Location	n: Pool	Floatables:	None		
Total Chlorine:	_	Odor:	None		
Free Chlorine:	ppiii	Turbidity:	None		
Ammonia:	ρρ	Color:	None	Condition Assessment —	
pH:	0 <sub>ppm</sub> 7.5 <sub>units</sub>	Gross Solids:	Moderate	Graffiti: None	\$170 data -1 1010
Temperature	7.5 units 76 ∘ <sub>F</sub>	Vegetation:	None	Erosion: None	o20150923101026.JPG
Conductivity:		Benthic Growth:		Deposition: None in.	
Detergents:	441 <sub>μS/cm</sub> 0 <sub>mg/L</sub>	Stains:	None	Damage: None	2015
	○ mg/L	Non-illicit:	None	Damage. None	
nspection Date:	10/7/2014	7:39:34 AM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
llicit Discharge F	Potential: P	otential	Inspector: JCW	Notes —	
Submerged: Fully		epth (in): 34		Floating gross solids (litter) in	
—Sampling Resul	lts ———	Floatables:	None	manhole.	
Sample Location	n: Pool	Odor:	None		Co-
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None		
Free Chlorine:	0 <sub>ppm</sub>	Color:	None		
Ammonia:	0 <sub>ppm</sub>	Gross Solids:	Moderate	Condition Assessment —	A
pH:	7.66 <sub>units</sub>			Graffiti: None	Worriganti la
Temperature	59 ∘ <sub>F</sub>	Vegetation: Benthic Growth:	None	Erosion: None	o20141007063948.JPG
Conductivity:	771 <sub>μS/cm</sub>			Deposition: None in.	
Detergents:	0 <sub>mg/L</sub>	Stains: Non-illicit:	None None	Damage: None	2014
_ 5.5.95.115.	→ ma/L	MOD-IIIICIT.	INODE		

0 mg/L

Non-illicit:

None

12-569 US1 City of Oshkosh



Stains:

Non-illicit:

0 mg/L

Detergents:

Slight

None

Damage:

None

2010

12-576 City of Oshkosh

Priority Outfall

## Structure Type:

Closed Pipe Outfall

## Discharge Location:

Water of the State

#### NR 216 Class:

Major Outfall

## Shape:

Pipe - Elliptical

#### Material:

CMP

# City ID:

N/A

#### -Dimensions

Diameter (in):

Height/Depth (in): 44

Width (in): 7

## **Mapping Precison:**

Desktop mapping estimate

✓ Not Physically Located



o20181024093346.JPG

#### **Outfall Notes:**

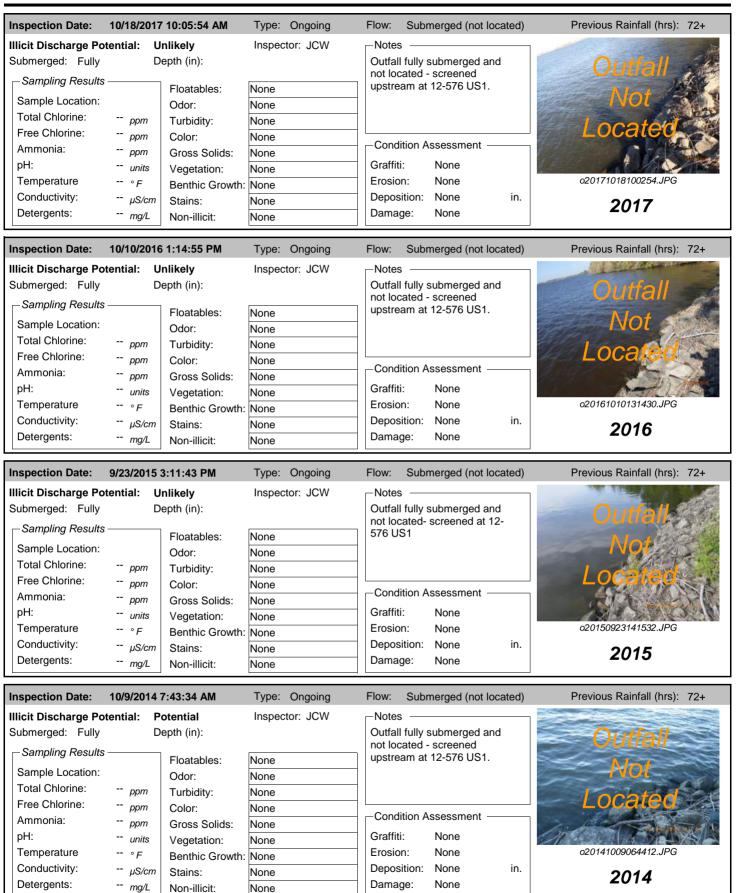
Algoma Blvd storm sewer discharges to Fox River from east. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:Latitude/Longitude:Northing:481,155Latitude:44.03942Easting:785,844Longitude:-88.56524



Inspection Date:	10/24/2018 9:35:27 AM	Inspector: JCW	Inspection Type: 0	Ongoing	Previous Rainfall (hrs):	72+
Flow Description: Submerged: Fully Illicit Discharge Po	. , ,	·	ully submerged and no d upstream at 12-576 l		Outi	3/1
Floatables: None Odor: None Turbidity: None Color: None		trol. Sheen  Suds troleum  Musty DC/Solvent Fishy	Sewage Alga Sewage Chlo	orine  Other	Local 201810240933	
		ter Veg. Debr		Other	2018	3
Benthic Growth: No	one Gi	een Brown bw Line Oil int Other	Rust Stains	\$	Sampling Results  Sample Location:  Sample ID:	
Physical Condition		tural Sheen 🗌 Natura	al Suds/Foam	7	Time Collected: Total Chlorine (field): Free Chlorine (field): Ammonia (field):	ppm ppm ppm
Deposition: No	one Depth (in): Displacement Corrosion	Undercut C	rushed amage		pH (field): Temperature (field): Conductivity (field): Detergents:	units °F μS/cm mg/L

12-576 City of Oshkosh



12-576 City of Oshkosh

Inspection Date:	8/19/2010	1:47:19 PM	Type: Ongoing	Flow:	Submerged (not	located)	Previous Rainfall (hrs): 72+
Illicit Discharge Pot	ential: U	Inlikely	Inspector: JCW	-Notes	s ———		
Submerged: Fully	D	epth (in):			I fully submerged a		Outfall
-Sampling Results		- Clastables	Nama		nysically located. Coned upstream at 12		Gatian
Sample Location:		Floatables: Odor:	None None	US1.	iod apoliodin at 12	20.0	Not
Total Chlorine:	ppm		None				
Free Chlorine:		Turbidity:					Located
Ammonia:	ppm	Color:	None	— Cond	lition Assessment		A STATE OF THE PARTY OF THE PAR
pH:	ppm units	Gross Solids:	None	Graffit	i: None		Touris april favors
Temperature	°F	Vegetation: Benthic Growth:	None	Erosio			o20100819133944.JPG
Conductivity:	•		None	Depos		0 in.	
Detergents:	μS/cm	Stains:	None	Dama		0	2010
3	mg/L	Non-illicit:	None				
Inspection Date:	9/9/2009		Type: Initial	Flow:	Submerged, inde	eterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Pot	ential: P	otential	Inspector: JCW	-Notes			
Submerged: Fully	D	epth (in):					
		٦.					
, ,		Floatables:	None				The state of the s
Sample Location:		Odor:	None				40.4
Total Chlorine:	ppm	Turbidity:	None				
Free Chlorine:	ppm	Color:	None	_Cond	lition Assessment		
Ammonia:	ppm	Gross Solids:	None				AND THE PROPERTY OF
pH:	units	Vegetation:	None	Graffit			
Temperature	∘ <i>F</i>	Benthic Growth:	None	Erosio			Osh09_DSCN6673.JPG
Conductivity:	0/	I		Depos	sition: None	0 in.	
Detergents:	μS/cm	Stains:	None	Dama		0 111.	2009

Damage:

Detergents:

-- mg/L

Non-illicit:

None

12-576 US1 City of Oshkosh

#### Structure Type:

Manhole

## **Discharge Location:**

Downstream Outfall

#### NR 216 Class:

Major Outfall - Alternate Location

#### Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

## City ID:

12-576

#### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

## **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181024093500.JPG

#### **Outfall Notes:**

Upstream manhole located approx 52 ft ENE of outfall 12-576. Intermediate area consists of residential lawn area and shoreline.

County Coordinates: Latitude/Longitude:
Northing: 481,123 Latitude: 44.03934

Easting: 785,916 Longitude: -88.56496



**Location Map** 

#### **Inspection Date:** 10/24/2018 9:37:10 AM **JCW** 72+ Inspector: Inspection Type: Ongoing Previous Rainfall (hrs): Flow Description: Sample collected from submerged pool in Submerged, indeterminate Notes: manhole Submerged: Fully Depth (in): 77 Illicit Discharge Potential: Unlikely Other Petrol. Sheen Suds Sewage Algae Floatables: None Odor: None Petroleum Musty Sewage Chlorine Other ∇OC/Solvent Fishy Sulfur Fragrant None Turbidity: o20181024093506.JPG Color: None Gross Solids: Slight ✓ Litter ☐ Veg. Debris ☐ Sediment ☐ Other 2018 Vegetation: None Inhibited Excessive Sampling Results Benthic Growth: Slight ✓ Green Brown Sample Location: Pool Stains: Flow Line Oil Rust Stains None Sample ID: 181024-20 Paint Other Time Collected: 09:37 Non-illicit: Natural Sheen Natural Suds/Foam None Total Chlorine (field): 0 ppm Physical Condition Assessment Free Chlorine (field): ppm Ammonia (field): Graffiti: None 0 ppm Erosion: pH (field): units None 7.77 ۰F Deposition: None Depth (in): Temperature (field): 51 Damage: None Conductivity (field): 614 μS/cm ☐ Displacement ☐ Undercut Crushed Detergents: 0 mg/L Corrosion Cracks/Structural Damage

12-576 US1 City of Oshkosh



Deposition:

Damage:

None

None

in.

2014

Conductivity:

Detergents:

663

μS/cm

0 mg/L

Stains:

Non-illicit:

None

None

12-576 US1 City of Oshkosh

Inspection Date:	8/19/2010	1:50:40 PM	Type: Ongoing	Flow: Submerged, indeterminate Previous Rainfall (hrs):	72+
Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:	D	Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains:	None None None Faint in bottle None None Moderate Slight None	Condition Assessment  Graffiti: None Erosion: None Deposition: None 0 in. Damage: None  2010  2010  2010	
nspection Date: Ilicit Discharge Po Submerged: Fully	D	otential epth (in): 68	Type: Initial Inspector: JCW	Flow: Submerged, indeterminate Previous Rainfall (hrs):  Notes  Abnormal detergent analysis result (bubbles). Significant floatables (bottles) in manhole.	72+

12-1313 City of Oshkosh

Priority Outfall

# Structure Type:

Closed Pipe Outfall

# Discharge Location:

Water of the State

#### NR 216 Class:

Minor Outfall

#### Shape:

Pipe - Circular

#### Material:

PVC

# City ID:

N/A

#### -Dimensions

Diameter (in): 18

Height/Depth (in):

Width (in):

# Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20171018094806.JPG

#### **Outfall Notes:**

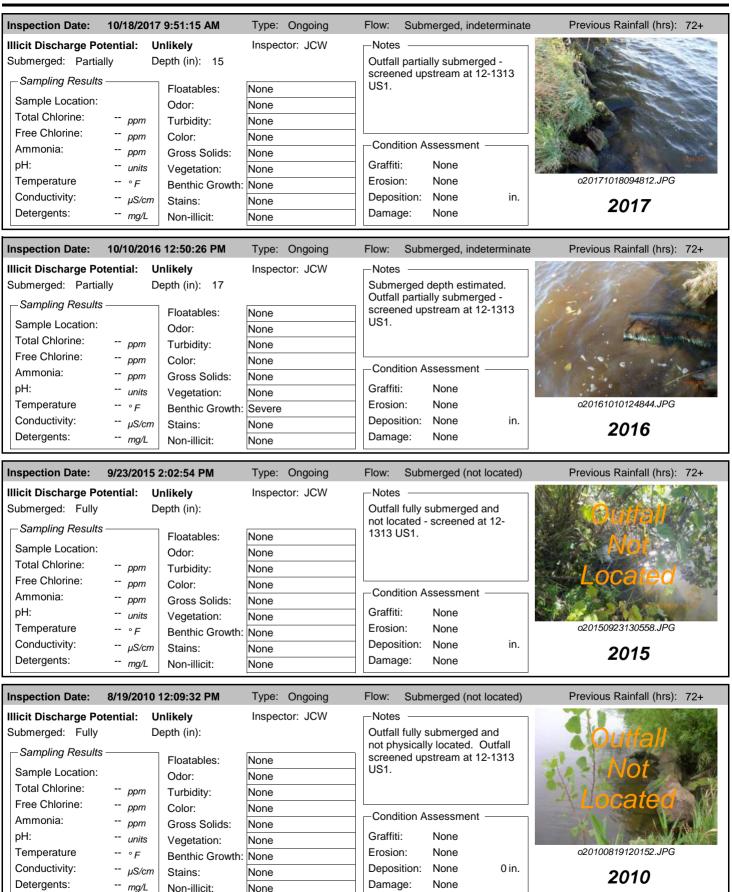
Storm sewer from Algoma Blvd and cemetery discharges to river from east.

County Coordinates:Latitude/Longitude:Northing:483,806Latitude:44.04669Easting:784,550Longitude:-88.57017



Inspection D	Date: 10/2	4/2018 9:50:34 AM	Inspector:	JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
	•	merged (not located	Notes:		partially submerged - ım at 12-1313 US1.	- screened	016	
Submerged:	Fully	Depth (in):		•			Outr	all
Illicit Discha	arge Potentia	l: Unlikely					No	<del>1</del>
Floatables:	None	Pe	etrol. Sheen	Suds	Sewage Al	gae Other		
Odor:	None		etroleum	Musty		hlorine  Other	Loca	tea -
Turkidit u	None	U V0	OC/Solvent	Fishy	Sulfur Fr	ragrant	73	10/24/0016
							0201810240950	nna IBC
Color:	None						0201610240930	122.JPG
Gross Solids	: None	Lit	ter '	Veg. Deb	oris Sediment	Other	2018	3
Vegetation:	None	In	hibited I	Excessive	е	<u></u> \$	Sampling Results ———	
Benthic Grov	vth: None	G	reen 🗌 I	Brown			Sample Location:	
Stains:	None	FI	ow Line 🔲 (	Oil	Rust Stains		Sample ID:	
		☐ Pa	aint 🗌 (	Other			·	
Non-illicit:	None	□ Na	atural Sheen	Natui	ral Suds/Foam		Time Collected:	
⊢Physical C	Condition Ass	essment —					Total Chlorine (field): Free Chlorine (field):	ppm ppm
Graffiti:	None						Ammonia (field):	ppm
Erosion:	None						pH (field):	units
Deposition		Depth (in):					Temperature (field):	° F
Damage:	None	Displacement	Undercut		Crushed		Conductivity (field):	μS/cm
		Corrosion	Cracks/Str				Detergents:	mg/L

12-1313 City of Oshkosh



12-1313 US1 City of Oshkosh

# Structure Type:

Inlet/Catchbasin

# Discharge Location:

Downstream Outfall

#### NR 216 Class:

Minor Outfall - Alternate Location

#### Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

#### City ID:

12-1313

#### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

☐ Not Physically Located



o20181024095214.JPG

#### **Outfall Notes:**

Upstream catchbasin located approx 252 ft ENE of outfall 12-1313. Intermediate area consists of open space and cemetery road.

**County Coordinates:** Latitude/Longitude:
Northing: 483,924 Latitude: 44.04702

Northing: 483,924 Latitude: 44.04702 Easting: 784,749 Longitude: -88.56941

# 12-1313

Inspection	Date:	10/24/2018 9:53:0	<b>1 AM</b> In	spector:	JCW	Inspection Typ	e: Ongoing	Previous Rainfall (hrs):	72+	
Flow Descr	iption:	Submerged, inde	terminate	Notes:		collected from su	bmerged pool in	1	4	A
Submerged:	Fully	Depth (in	): 20		manhol	e.			The last	
Illicit Disch	arge Po	tential: Unlikely								
Floatables:	None		Petrol.	Sheen [	Suds	Sewage	Algae Othe	r Marka		
Odor:	None		Petrole	_	Musty	Sewage	Chlorine Othe	r <b>TO</b>		
T	Nissa		U VOC/S	olvent _	Fishy	Sulfur	Fragrant			10/24/2018
Turbidity:	None							02018102409	5219 15	
Color:	None							020161024093	02 10.JF	G
Gross Solids	s: No	ne	Litter		Veg. Deb	ris   Sediment	Other	201	8	
Vegetation:	No	ne	Inhibite	ed 🗌	Excessive	Э	ſ	-Sampling Results		
Benthic Gro	wth: Sli	ght	✓ Green		Brown			Sample Location: Poo	N.	
Stains:	No	ne	Flow Li	ne 🗌	Oil	Rust Stain	s	•		
			Paint		Other				024-19	9
Non-illicit:	No	20	☐ Notural	Sheen	□ Notus	al Suds/Foam		Time Collected: 09:	54	
		_	INatural	Sileen	Natur	ai Suus/Fuaiii		Total Chlorine (field):	0	ppm
-Physical (	Conditio	n Assessment —						Free Chlorine (field):	0	ppm
Graffiti:	No	ne						Ammonia (field):	0	ppm
Erosion:	No	ne						pH (field):	7.42	units
Depositio	n: No	ne Depth (in):						Temperature (field):	53	°F
Damage:	No	ne 🗌 Displace	ement L	Indercut		Crushed		Conductivity (field):	762	μS/cm
		Corrosio	on 🗌 C	racks/St	ructural D	amage		Detergents:	0	mg/L

12-1313 US1 City of Oshkosh



12-1328a City of Oshkosh

Priority Outfall

# Structure Type:

Pond Inlet

#### Discharge Location:

MS4 Stormwater Facility

#### NR 216 Class:

Supplemental Outfall

#### Shape:

Pipe - Circular

#### Material:

**RCP** 

# City ID:

N/A

#### -Dimensions

Diameter (in): 42

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

☐ Not Physically Located



o20181024103138.JPG

#### **Outfall Notes:**

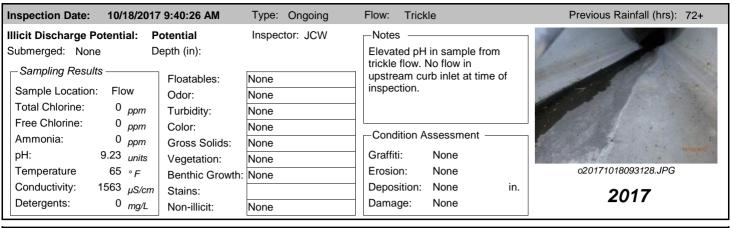
Storm sewer from Fernau Ave and Walter St discharge to NE corner of detention basin.

County Coordinates:Latitude/Longitude:Northing:487,966Latitude:44.05810Easting:784,069Longitude:-88.57201



Inspection	Date: 10/24	I/2018 10:34:16 AM	Inspector: Jo	CW Inspec	ction Type:	Ongoing	Previous Rainfall (hrs)	72+	
Flow Descr	iption: Trick	ile		levated pH in sa				4/	$\langle // \rangle$
Submerged:	None	Depth (in):		spection.	cuib iillet at	time or		//)	
Illicit Disch	arge Potentia	I: Potential							
Floatables:	None	Peti	rol. Sheen 🗌 S	uds Sewa	age 🗌 Alg	gae 🗌 Other	* SITT	11	11
Odor:	None	Peti	roleum 🗌 M	lusty   Sew	age 🗌 Ch	lorine   Other	<b>A</b>		LE
		\ \ \	C/Solvent 🗌 Fi	ishy 🗌 Sulfu	ır 🗌 Fra	agrant	7	16/	No.
Turbidity:	None								CATAL A
Color:	None						o2018102410	3144.JF	PG
Gross Solids	s: None	Litte	er 🗌 Veç	g. Debris 🗌 Se	ediment	Other	<b>20</b> <sup>-</sup>	18	
Vegetation:	None	Inhi	bited Exc	cessive			Sampling Results ——		
Benthic Grov	wth: Moderate	<b>✓</b> Gre	en 🗌 Bro	own			Sample Location: Flo	w	
Stains:	Slight	<b>✓</b> Flow	v Line 🗌 Oil	☐ Ru	ust Stains		•	 1024-8	4
		Pair	nt 🗌 Oth	ner			·		!
Non-illicit:	None	□ Nati	ural Sheen	Natural Suds/F	nam .		Time Collected: 10:	34	
				rtatarar Gado, r	oam		Total Chlorine (field):	0	ppm
,	Condition Asse	essment ————					Free Chlorine (field):	0	ppm
Graffiti:	None						Ammonia (field):	0	ppm
Erosion:	None						pH (field):	9.04	units
Deposition		Depth (in):					Temperature (field):	50	°F
Damage:	None	Displacement	Undercut	Crushed			Conductivity (field):	792	μS/cm
		Corrosion	Cracks/Struct	tural Damage			Detergents:	0	mg/L

12-1328a City of Oshkosh



Inspection Date:	10/10/2016	12:26:38 PM	Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: None	De	otential epth (in):	Inspector: JCW	Notes  Elevated pH, but not as high as 2015 screening. Possible	
Sampling Results Sample Location: Total Chlorine:		Odor:	None None None	residual in upstream pipe.	
Free Chlorine: Ammonia: pH: Temperature	0 <sub>ppm</sub> 0 <sub>ppm</sub> 9.45 <sub>units</sub> 64 • <sub>F</sub>	Gross Solids:	None None Moderate	Condition Assessment ————————————————————————————————————	o20161010122036.JPG
Conductivity: Detergents:	880 <sub>μS/cm</sub> 0 <sub>mg/L</sub>	Stains:	Slight None	Deposition: None Damage: None	in. <b>2016</b>

Inspection Date: 9/23/2015 1	12:56:15 PM	Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+
Submerged: None De	bvious epth (in):	Inspector: JCW	Notes White silty discharge. Chlorine patches turned yellow (not on	
Sampling Results Sample Location: Flow		None	scale). Elevated pH and conductivity.	
Total Chlorine: ppm		None None		
Free Chlorine: ppm Ammonia: 1 ppm		None Slight	Condition Assessment	
pH: 11.66 <i>units</i>	Vegetation:	None	Graffiti: None Erosion: None	o20150923115508.JPG
Temperature 73 $\circ_F$ Conductivity: 2470 $\mu$ S/cm	Benthic Growth: Stains:	Moderate Moderate	Erosion: None ir	
Detergents: 0 mg/L	Non-illicit:	None	Damage: None	2015

13-471 City of Oshkosh

Non-Priority Major Outfall

# Structure Type:

Closed Pipe Outfall

#### **Discharge Location:**

Downstream Outfall

#### NR 216 Class:

Major Outfall

#### Shape:

Pipe - Elliptical

#### Material:

**RCP** 

# City ID:

N/A

#### -Dimensions

Diameter (in):

Height/Depth (in): 48
Width (in): 76

# Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20181025093100.JPG

#### **Outfall Notes:**

Storm sewer from 9th Ave discharges to stream north of road. Upstream manhole not accessible.

County Coordinates:Latitude/Longitude:Northing:470,709Latitude:44.01077Easting:783,680Longitude:-88.57343



Inspection	Date: 10/20	6/2018 1:26:25 PM In	spector: KMK	Inspection Type:	Repeat	Previous Rainfall (hrs):	72+
	-	merged, significant flow	· ·	gent detection follow-u	•		
Submerged:	Partially	Depth (in): 26	30100	ming conducted beyonk	a sampling.		
Illicit Disch	arge Potentia	l: Potential					
Floatables:	None	Petrol.	Sheen Suds	Sewage Al	gae		
Odor:	None	Petrole		Sewage C	hlorine   Other		<b>从</b> 区隔。
		UVOC/S	olvent  Fishy	Sulfur Fr	agrant		
Turbidity:	None						The state of the s
Color:	None					020181025093	132.JPG
Gross Solids	s: Slight	✓ Litter	☐ Veg. De	ebris Sediment	Other	201	8
Vegetation:	None	Inhibite	d Excessi	ve	Г	Sampling Results ———	
Benthic Gro	wth: Slight	✓ Green	Brown			Sample Location: Flow	,
Stains:	None	☐ Flow Li	ne 🗌 Oil	Rust Stains		•	)26-41
		☐ Paint	Other			·	
Non-illicit:	None	Natural	Sheen  Nat	ural Suds/Foam		Time Collected: 13:2	5
Physical	Condition Ass	ocemont				Total Chlorine (field):	0 ppm
		essinent —				Free Chlorine (field):	0 ppm
Graffiti:	None					Ammonia (field):	0 ppm
Erosion:	None					1 ( /	8.18 <i>unit</i> s
Depositio		Depth (in):				Temperature (field):	54 ° F
Damage:	None	Displacement U	Indercut	Crushed		, ( )	1183 μS/cm
		Corrosion C	racks/Structural	Damage		Detergents:	0.4 <i>mg/L</i>

13-471 City of Oshkosh

Inspection Date: 10/25/20	18 9:33:47 AM	Type: Ongoing	Flow:	Subr	merged, signific	cant flov	w Previous Rainfall (hrs): 72+
Illicit Discharge Potential:	Potential	Inspector: JCW	-Note:	s —			
Submerged: Partially	Depth (in): 26				bank erosion.		
Sampling Results	Floatables:	None	subm	erged f	ected from flow in pipe.		
Sample Location: Flow	Odor:	None	Deter	gent de	etected.		
Total Chlorine: 0 ppm	Turbidity:	None					
Free Chlorine: 0 ppm	Color:	None		L'C' A			
Ammonia: 0 ppm		Slight	Conc	lition A	ssessment —		
pH: 8.16 <i>units</i>	Vegetation:	None	Graffi	ti:	None		
Temperature 51 ∘ <sub>F</sub>	Benthic Growth:	Moderate	Erosio	n:	Moderate		o20181025093132.JPG
Conductivity: 1209 $\mu$ S/c	m Stains:	None	Depos	sition:	None	in.	2018
Detergents: 0.5 mg/L		None	Dama	.ge:	None		2016

Inspection Date:	6/13/2012	12:53:24 PM	Type: Ongoing	Flow: Sul	omerged, no flo	w	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Partia	illy D	nlikely epth (in): 19	Inspector: JCW	Downstrea	ving pool on ap m cannel dry.		
Sampling Results Sample Location: Total Chlorine:	Pool 0 <sub>ppm</sub>	Floatables: Odor: Turbidity:	None None Slight cloudiness	Sample co pool.	lected from apr	on	
Free Chlorine: Ammonia: pH:	0 <sub>ppm</sub>	Color: Gross Solids:	None Slight	Condition Graffiti:	Assessment —		
Temperature	7.91 <sub>units</sub> 74 ° F 579 <sub>μS/cm</sub> 0 <sub>mg/L</sub>		None Slight None None	Erosion: Deposition Damage:	None	in.	o20120613115412.JPG <b>2012</b>

Inspection Date: 9/4/200	)	Type: Initial	Flow: Sul	omerged, slight	flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Submerged: Partially	Unlikely Depth (in): 38	Inspector: JCW	-Notes -			
Sampling Results	Floatables:	None				
Sample Location: Pool	Odor:	None				
Total Chlorine: 0 ppn	Turbidity:	Slight cloudiness				
Free Chlorine: 0 ppn	Color:	None	Canadition	^		
Ammonia: ppn	Gross Solids:	None	Condition	Assessment –		OD. 04. 1000 00: 00
pH: 8.38 <sub>unit</sub>	Vegetation:		Graffiti:	None		With a state of the state of th
Temperature 66 ∘ F	Benthic Growth:	Slight	Erosion:	None		Osh09_DSCN6503.JPG
Conductivity: µS/0		5	Deposition	None	0 in.	2000
Detergents: 0 mg/	Non-illicit:	None	Damage:	None		2009

13-1098 City of Oshkosh

Priority Outfall

# Structure Type:

Closed Pipe Outfall

# Discharge Location:

Water of the State

#### NR 216 Class:

Major Outfall

#### Shape:

Pipe - Circular

#### Material:

**RCP** 

# City ID:

N/A

#### -Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

☐ Not Physically Located



o20181024150404.JPG

#### **Outfall Notes:**

Storm sewer discharges to channel from south.

County Coordinates:Latitude/Longitude:Northing:463,926Latitude:43.99214Easting:778,351Longitude:-88.59366





Inspection	Date:	10/24/2018 3:06:2	8 PM In	spector:	JCW	Inspection Ty	уре:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descr Submerged:	•	Submerged, sligh Depth (in		Notes:		partially submerom at 13-1098 US	_	screened		
Illicit Disch	arge Po	tential: Unlikely								
Floatables:	None		Petrol.	Sheen [	Suds	Sewage	Alga	ae Other		
Odor:	None		Petrole VOC/S	eum [	] Musty ] Fishy	Sewage Sulfur	_	orine  Other  Orine	L L	
Turbidity:	None									PERMIT
Color:	None								o20181024150	410.JPG
Gross Solids	s: No	ne	Litter		Veg. Debi	ris 🗌 Sedimen	nt 🗌	Other	201	8
Vegetation:	No	ne	Inhibite	ed 🗌	Excessive	)		,	Sampling Results ———	
Benthic Gro	wth: No	ne	Green		Brown				Sample Location:	
Stains:	No	ne	Flow Li		Oil	Rust Sta	ins		Sample ID:	
			Paint		Other				Time Collected:	
Non-illicit:	No	ne	Natura	Sheen	□ Natur	al Suds/Foam			Total Chlorine (field):	ppm
-Physical (	Conditio	n Assessment —							Free Chlorine (field):	ppm
Graffiti:	No	ne							Ammonia (field):	ppm
Erosion:	No	ne							pH (field):	units
Depositio	n: No	ne Depth (in):							Temperature (field):	° F
Damage:	No	ne Displace		Indercut Cracks/Str	Cructural Da	rushed amage			Conductivity (field): Detergents:	μS/cm mg/L

13-1098 City of Oshkosh

Inspection Date:		7 11:22:01 AM	Type: Ongoing	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Po		nlikely	Inspector: JCW	-Notes	
Submerged: Partia	•	epth (in): 23		Sample collected from submerged flow at end of	
Sampling Results	S ———	Floatables:	None	pipe. Photo not available.	
Sample Location:	Flow	Odor:	None		
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None		
Free Chlorine:	0 <sub>ppm</sub>	Color:	None		
Ammonia:	0 <sub>ppm</sub>	Gross Solids:	None	Condition Assessment	Dhoto Not Avoilable
1 *	7.29 <sub>units</sub>	Vegetation:	None	Graffiti: None	Photo Not Available
Temperature	65 ∘ <sub>F</sub>	Benthic Growth:	Slight	Erosion: None	
	1404 µS/cm	Stains:	None	Deposition: Moderate 16 in.	2017
Detergents:	0 <sub>mg/L</sub>	Non-illicit:	None	Damage: None	
Inspection Date:	10/19/2016	3:04:11 PM	Type: Ongoing	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Po		nlikely	Inspector: JCW	Notes —	Trovious Mannain (1115). 12T
Submerged: Partia		epth (in): 22	mspecion. JCVV	Outfall partially submerged -	
•	•	σραι (III). ZZ		screened upstream at 13-1098	
Sampling Results	S ————	Floatables:	None	US1. End of pipe recently	
Sample Location:		Odor:	None	excavated.	
Total Chlorine:	<i>ppm</i>	Turbidity:	None		
Free Chlorine:	ppm	Color:	None	Condition Assessment	
Ammonia:	ppm	Gross Solids:	None		
pH:	units	Vegetation:	None	Graffiti: None	o20161019150326.JPG
Temperature	°F	Benthic Growth:	None	Erosion: None	020161019150326.JPG
Conductivity: Detergents:	μS/cm	Stains:	None	Deposition: Severe 16 in.  Damage: None	2016
Detergents.	mg/L	Non-illicit:	None	Damage. None	
·					
Inspection Date:	9/24/2015	3:10:53 PM	Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
•		3:10:53 PM	Type: Ongoing	<b>3</b> ( ,	Previous Rainfall (hrs): 72+
Illicit Discharge Po	otential: U	nlikely	Type: Ongoing Inspector: JCW	-Notes	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: None	otential: U				Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: None	otential: U	nlikely		Notes Outfall not located - screened	Previous Rainfall (hrs): 72+
Illicit Discharge Pc Submerged: None Sampling Results Sample Location:	otential: U	epth (in): Floatables: Odor:	Inspector: JCW	Notes Outfall not located - screened	Previous Rainfall (hrs): 72+
Sample Location: Total Chlorine:	otential: U	epth (in):  Floatables: Odor: Turbidity:	Inspector: JCW	Notes Outfall not located - screened	Previous Rainfall (hrs): 72+  Outfall  Not
Submerged: None  Sampling Results  Sample Location: Total Chlorine: Free Chlorine:	otential: U  ppm ppm	epth (in):  Floatables: Odor: Turbidity: Color:	None None None None None	Notes Outfall not located - screened	Previous Rainfall (hrs): 72+
Submerged: None  Sampling Results  Sample Location: Total Chlorine: Free Chlorine: Ammonia:	otential: U  S  ppm ppm ppm	rolikely epth (in):  Floatables: Odor: Turbidity: Color: Gross Solids:	None None None None None None None	Notes Outfall not located - screened at 13-1098 US1.  Condition Assessment	Previous Rainfall (hrs): 72+
Submerged: None  Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH:	ppm ppm ppm ppm units	rolikely epth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation:	None None None None None None None None	Outfall not located - screened at 13-1098 US1.  Condition Assessment  Graffiti: None	Previous Rainfall (hrs): 72+  Outfall  Local Stepe
Submerged: None  Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature	ppm ppm ppm ppm units ° F	rolikely repth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth:	None None None None None None None None	Notes Outfall not located - screened at 13-1098 US1.  Condition Assessment Graffiti: None Erosion: None	Outfail Not Located  o20150924141536.JPG
Submerged: None Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity:	ppm ppm ppm ppm units ° F μS/cm	repth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains:	None None None None None None None None	Outfall not located - screened at 13-1098 US1.  Condition Assessment  Graffiti: None	Outfall Not Located
Illicit Discharge Po Submerged: None Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature	ppm ppm ppm ppm units ° F	rolikely repth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth:	None None None None None None None None	Outfall not located - screened at 13-1098 US1.  Condition Assessment Graffiti: None Erosion: None Deposition: None in.	Outfall Not Located  o20150924141536.JPG
Submerged: None Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity:	ppm ppm ppm units ° F μS/cm mg/L	repth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains:	None None None None None None None None	Outfall not located - screened at 13-1098 US1.  Condition Assessment Graffiti: None Erosion: None Deposition: None in.	Outfall Not Lnotaled
Illicit Discharge Po Submerged: None Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:	ppm ppm ppm units ° F μS/cm mg/L	rolikely repth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	None None None None None None None None	Outfall not located - screened at 13-1098 US1.  Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged (not located)	Outiali Not Labates 20150924141536.JPG 2015
Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Po	ppm ppm ppm ppm vnits ° F μS/cm mg/L  7/30/2013	repth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  7:57:44 AM	None None None None None None None None	Outfall not located - screened at 13-1098 US1.  Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged (not located)  Notes	Outiali Not Lower 15 020150924141536.JPG 2015
Illicit Discharge Po Submerged: None Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Po Submerged: Fully	ppm ppm ppm units ° F μS/cm mg/L  7/30/2013	rolikely repth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	None None None None None None None None	Outfall not located - screened at 13-1098 US1.  Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged (not located)  Notes Pipe not located in grassy stream bank. Screened	Outiali Not Labates 20150924141536.JPG 2015
Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Posubmerged: Fully Sampling Results	ppm ppm ppm units ° F μS/cm mg/L  7/30/2013	repth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  7:57:44 AM	None None None None None None None None	Outfall not located - screened at 13-1098 US1.  Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged (not located)  Notes Pipe not located in grassy	Outiali Not Localistic 20150924141536.JPG 2015
Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Po Submerged: Fully Sampling Results Sample Location:	ppm ppm ppm units ° F μS/cm mg/L  7/30/2013	repth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  7:57:44 AM Inlikely Lepth (in):	Inspector: JCW  None None None None None None None Non	Outfall not located - screened at 13-1098 US1.  Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged (not located)  Notes Pipe not located in grassy stream bank. Screened	Outiali Not Labates 20150924141536.JPG 2015
Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Po Submerged: Fully Sample Location: Total Chlorine:	ppm ppm ppm units ° F μS/cm mg/L  7/30/2013	rolikely repth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  7:57:44 AM Inlikely repth (in): Floatables:	Inspector: JCW  None None None None None None None Non	Outfall not located - screened at 13-1098 US1.  Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged (not located)  Notes Pipe not located in grassy stream bank. Screened	Outiali Not Localistic 20150924141536.JPG 2015
Illicit Discharge Po Submerged: None Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents: Illicit Discharge Po Submerged: Fully Sample Location: Total Chlorine: Free Chlorine:	ppm ppm ppm ppm units ° F μS/cm mg/L  7/30/2013	rolikely repth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  7:57:44 AM Inlikely repth (in):  Floatables: Odor: Turbidity: Color:	Inspector: JCW  None None None None None None None Non	Outfall not located - screened at 13-1098 US1.  Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged (not located)  Notes Pipe not located in grassy stream bank. Screened upstream at 13-1098 US1.	Outiali Not Localistic 20150924141536.JPG 2015
Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Po Submerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia:	ppm ppm ppm ppm units ° F μS/cm mg/L  7/30/2013  otential: U D	rolikely repth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  7:57:44 AM Inlikely repth (in): Floatables: Odor: Turbidity:	Inspector: JCW  None None None None None None None Non	Outfall not located - screened at 13-1098 US1.  Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged (not located)  Notes Pipe not located in grassy stream bank. Screened upstream at 13-1098 US1.	Outiali Not Localistic 20150924141536.JPG 2015
Illicit Discharge Posubmerged: None Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Posubmerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH:	ppm ppm ppm ppm μS/cm mg/L  7/30/2013  otential: U  D  ppm ppm ppm ppm ppm ppm ppm ppm ppm units	rolikely repth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  7:57:44 AM  rolikely repth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation:	Inspector: JCW  None None None None None None None Non	Outfall not located - screened at 13-1098 US1.  Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged (not located)  Notes Pipe not located in grassy stream bank. Screened upstream at 13-1098 US1.  Condition Assessment Graffiti: None	Outiall Located 20150924141536.JPG 2015  Previous Rainfall (hrs): 72+
Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Po Submerged: Fully Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature	ppm ppm ppm ppm μs/cm mg/L  7/30/2013  otential: U  D  ppm	rolikely repth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth:	Inspector: JCW  None None None None None None None Non	Outfall not located - screened at 13-1098 US1.  Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged (not located)  Notes Pipe not located in grassy stream bank. Screened upstream at 13-1098 US1.  Condition Assessment Graffiti: None Erosion: None	Outiali Not Labates 20150924141536.JPG 2015
Illicit Discharge Posubmerged: None Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Posubmerged: Fully Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH:	ppm ppm ppm ppm μS/cm mg/L  7/30/2013  otential: U  D  ppm ppm ppm ppm ppm ppm ppm ppm ppm units	rolikely repth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  7:57:44 AM  rolikely repth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation:	Inspector: JCW  None None None None None None None Non	Outfall not located - screened at 13-1098 US1.  Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None  Flow: Submerged (not located)  Notes Pipe not located in grassy stream bank. Screened upstream at 13-1098 US1.  Condition Assessment Graffiti: None	Outrail  Not  Lice Bisch  20150924141536.JPG  2015  Previous Rainfall (hrs): 72+

13-1098 City of Oshkosh

Inspection Date:	9/3/2009		Type: Initial	Flow:	Submer	rged, indete	erminate	Previous Rainfall (hrs): 72+
Illicit Discharge Por Submerged: Partial —Sampling Results	lly D	nlikely epth (in): 23 Floatables:	Inspector: JCW	-Notes				
Sample Location: Total Chlorine: Free Chlorine:	ppm	Odor: Turbidity: Color:						
Ammonia: pH:	ppm ppm units	Gross Solids: Vegetation:		- Condi Graffiti		essment – one		10.200
Temperature Conductivity:	° F μS/cm	Benthic Growth: Stains:		Erosio Depos		one	18 in.	Osh09_DSCN6427.JPG
Detergents:	mg/L		None	Dama	ge: N	one		2009

13-1098 US1 City of Oshkosh

# Structure Type:

Inlet/Catchbasin

# Discharge Location:

Downstream Outfall

#### NR 216 Class:

Major Outfall - Alternate Location

#### Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

# City ID:

13-1758

#### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

#### **Mapping Precison:**

Mapping GPS

☐ Not Physically Located



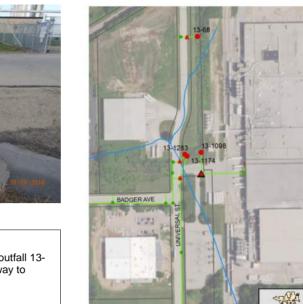
o20181024150614.JPG

#### **Outfall Notes:**

Upstream inlet located approx 103 ft S of outfall 13-1098. Intermediate area consists of driveway to industrial property.

County Coordinates: Latitude/Longitude:

Northing: 463,823 Latitude: 43.99186 Easting: 778,349 Longitude: -88.59366



Inspection D	ate: 10/24	/2018 3:08:28 PM In	spector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+	
Submerged:	Partially	nerged, indeterminate Depth (in): 17	Notes: Sample manho	e collected from subm le.	erged pool in	A		
Floatables: [	None None			Sewage Ch	gae Other alorine Other			
, [	None					020181024150	0626.JP0	3
Gross Solids	None	Litter	Ueg. Deb	oris Sediment	Other	201	18	
Vegetation: Benthic Grow Stains:	None None None	☐ Inhibite☐ Green☐ Flow Li☐ Paint	☐ Brown	e ☐ Rust Stains		Sampling Results  Sample Location: Pool Sample ID: 181  Time Collected: 15:	024-32	
Non-illicit:  —Physical C Graffiti: Erosion: Deposition Damage:	None Condition Asset None None : None None None	Depth (in):		ral Suds/Foam Crushed		Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field): Detergents:	0 0 0 7.27 56 1603	ppm ppm ppm units F µS/cm mg/L

13-1098 US1 City of Oshkosh



Non-illicit:

None

13-1109 City of Oshkosh

Non-Priority Non-Major Outfall

# Structure Type:

Closed Pipe Outfall

# **Discharge Location:**

Water of the State

#### NR 216 Class:

Minor Outfall

#### Shape:

Pipe - Circular

#### Material:

PVC

# City ID:

N/A

# -Dimensions

Diameter (in): 12

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181025073030.JPG

#### **Outfall Notes:**

Storm sewer from Moreland St discharges to grassy wetland area west of stream.

**County Coordinates:** Latitude/Longitude: Northing: 469,135 Latitude: 44.00645 Easting: 782,585 Longitude: -88.57759



Inspection	Date:	10/25/2018 7:32:0	8 AM Inspector	: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descr	iption:	None	Notes	: Pipe dry	at time of inspection	1.		a later
Submerged:	None	e Depth (in	):					
Illicit Discha	arge P	otential: Unlikely						College
Floatables:	None		Petrol. Sheen [	Suds	Sewage Alg	gae		
Odor:	None		Petroleum [	Musty		lorine  Other		ATT AND
<b>-</b>				Fishy	Sulfur Fra	agrant	政治学区人们	
,	None						0201810250730	ac IDC
Color:	None						0201810250730	30.JPG
Gross Solids	s: No	one	Litter	] Veg. Debri	s Sediment	Other	2018	3
Vegetation:	No	one	Inhibited	Excessive		_	Sampling Results ———	
Benthic Grov	wth: No	one	Green	Brown			Sample Location:	
Stains:	No	one	Flow Line	] Oil	Rust Stains		•	
			Paint	Other			Sample ID:	
Non-illicit:	No	one	Natural Sheen	☐ Natura	al Suds/Foam		Time Collected:	
		-	ivaturar oncerr	ivatura	ii Odds/i Oaiii		Total Chlorine (field):	<i>ppm</i>
,		on Assessment —					Free Chlorine (field):	<i>ppm</i>
Graffiti:	No	one					Ammonia (field):	<i>ppm</i>
Erosion:	No	one					pH (field):	units
Deposition	n: No	one Depth (in):					Temperature (field):	° F
Damage:	Mi	inor 🗌 Displace	ement Undercut	t 🗌 Cr	rushed		Conductivity (field):	μS/cm
		Corrosio	on ✓ Cracks/S	structural Da	mage		Detergents:	mg/L

13-1109 City of Oshkosh

Inspection Date:	6/13/2012	1:08:33 PM	Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: None	D	nlikely epth (in):	Inspector: JCW	Pipe dry at time of inspection. Minor damage to top of pipe.	
Sampling Results Sample Location: Total Chlorine:	ppm	Odor:	None None None		
Free Chlorine: Ammonia: pH:	ppm ppm units	Gross Solids:	None None	Condition Assessment Graffiti: None	
Temperature Conductivity: Detergents:	° F μS/cm mg/L		None None None	Erosion: None Deposition: None in. Damage: Minor	o20120613121044.JPG <b>2012</b>

13-1588 City of Oshkosh

Priority Outfall

#### Structure Type:

Closed Pipe Outfall

# Discharge Location:

Water of the State

#### NR 216 Class:

Minor Outfall

#### Shape:

Pipe - Circular

#### Material:

CMP

# City ID:

N/A

#### -Dimensions

Diameter (in): 36

Height/Depth (in):

Width (in):

#### **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181024123728.JPG

#### **Outfall Notes:**

Universal St storm sewer discharges to stream from east.

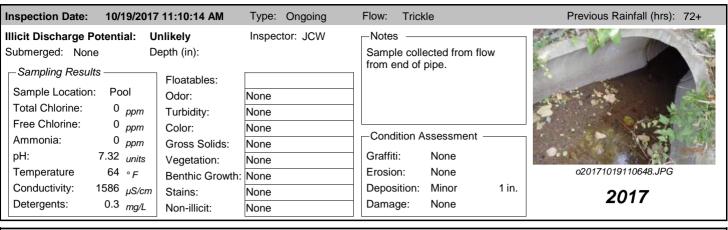
County Coordinates:Latitude/Longitude:Northing:461,358Latitude:43.98510Easting:778,523Longitude:-88.59299

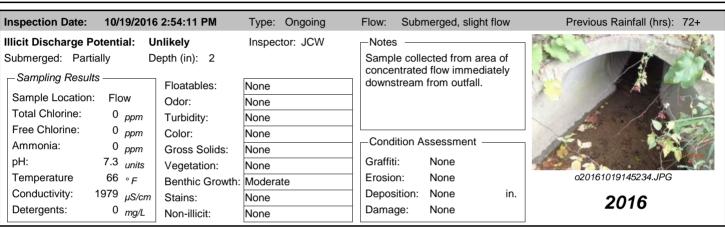


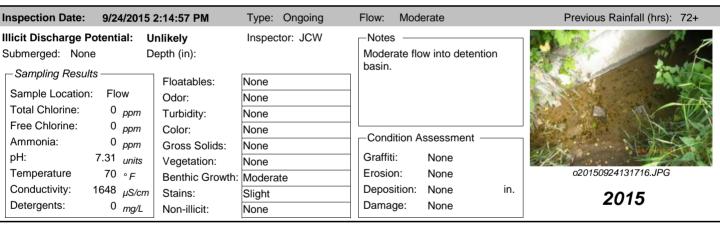
**Location Map** 

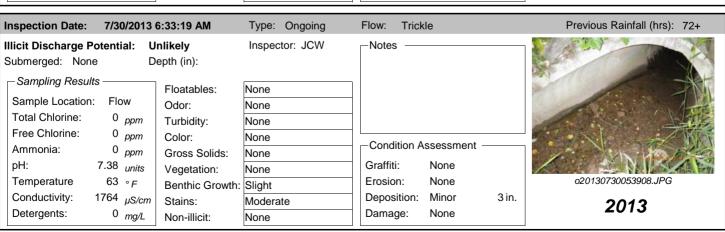
#### Previous Rainfall (hrs): **Inspection Date:** 10/24/2018 12:40:02 PM **JCW** Inspection Type: Ongoing 72+ Inspector: Flow Description: Sample collected from flow from end of pipe. Moderate Notes: Submerged: None Depth (in): Illicit Discharge Potential: Unlikely Other Petrol. Sheen Suds Sewage Algae Floatables: None Odor: None Petroleum Musty Sewage Chlorine Other ∇OC/Solvent Fishy Sulfur Fragrant Turbidity: None o20181024123744.JPG Color: None Gross Solids: None Litter ☐ Veg. Debris ☐ Sediment ☐ Other 2018 Vegetation: None Inhibited Excessive Sampling Results Benthic Growth: Slight ✓ Green Brown Sample Location: Flow Stains: Flow Line Oil Rust Stains None Sample ID: 181024-56 Paint Other Time Collected: 12:40 Non-illicit: Natural Sheen Natural Suds/Foam None Total Chlorine (field): 0 ppm Physical Condition Assessment Free Chlorine (field): ppm Graffiti: None Ammonia (field): 0 ppm Erosion: None pH (field): units 7.22 ۰F Deposition: Minor Depth (in): 1 Temperature (field): 55 Damage: None Conductivity (field): 1515 μS/cm ☐ Displacement ☐ Undercut Crushed Detergents: 0 mg/L Corrosion Cracks/Structural Damage

13-1588 City of Oshkosh









13-1716 City of Oshkosh

Priority Outfall

# Structure Type:

Manhole

# Discharge Location:

Downstream Outfall

#### NR 216 Class:

Supplemental Outfall

#### Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

#### City ID:

N/A

#### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

☐ Not Physically Located



o20181024115918.JPG

#### **Outfall Notes:**

Manhole located approx 17 ft S of pond outlet pipe (13-1716 US2). Pipe from car wash enters from east.

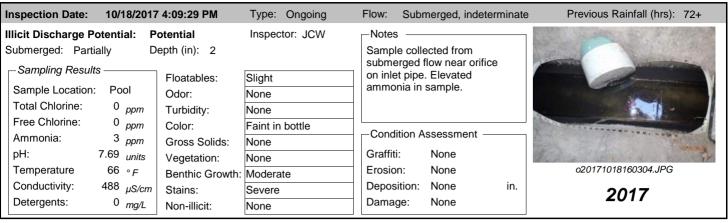
County Coordinates: Latitude/Longitude:

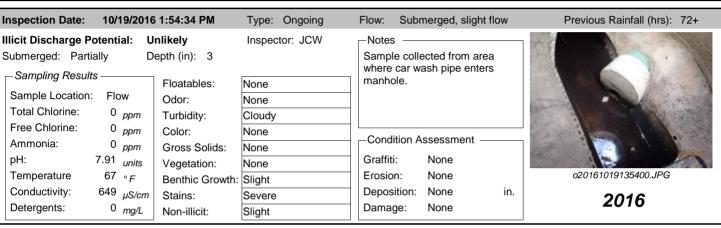
Northing: 465,789 Latitude: 43.99727 Easting: 783,305 Longitude: -88.57484

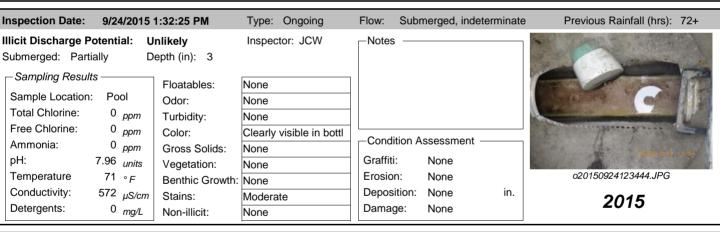


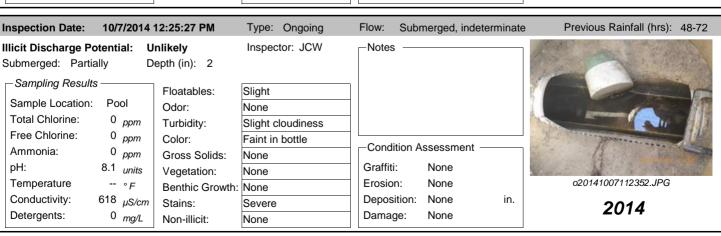
Inspection	Date: 10/24	4/2018 12:03:17 PM	Inspector:	JCW I	nspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descr	iption: Subr	merged, indeterminate		Sample col		nerged pool near	A Section	
Submerged:	Partially	Depth (in): 2		office off iff	iet pipe.			
Illicit Disch	arge Potentia	l: Unlikely						
Floatables:	None	Petro	ol. Sheen 🗌	Suds	Sewage Al	gae 🗌 Other		
Odor:	Faint			Musty _		hlorine  Other		W Verigin
Turbidity:	Cloudy		/Solvent	Fishy 🗸	Sulfur	agrant		
Color:	Clearly visible	e in bottle Dark/Bla	ack				o20181024115	924.JPG
Gross Solids	s: None	Litte		eg. Debris	Sediment	Other	201	8
Vegetation:	None	Inhib	ited E	xcessive		Г	Sampling Results ———	
Benthic Gro	wth: None	☐ Gree	en 🗌 B	rown			Sample Location: Poo	ı
Stains:	None	Flow			Rust Stains		•	024-42
		Pain	t O	ther			Time Collected: 12:0	)3
Non-illicit:	None	☐ Natu	ral Sheen	Natural S	luds/Foam		Total Chlorine (field):	0 ppm
-Physical	Condition Asse	essment ————					Free Chlorine (field):	0 <i>ppm</i>
Graffiti:	None						Ammonia (field):	0 <i>ppm</i>
Erosion:	None						pH (field):	7.34 <i>units</i>
Depositio	n: None	Depth (in):					Temperature (field):	51 ° <i>F</i>
Damage:	None	Displacement	Undercut	Crus	hed		Conductivity (field):	514 <i>μS/cm</i>
		Corrosion	Cracks/Stru	ctural Dama	age		Detergents:	0 mg/L

13-1716 City of Oshkosh









13-1716 City of Oshkosh

Inspection Date: 7/31/2013	12:07:12 PM	Type: Ongoing	Flow:	Submerged, ir	ndeterminate	Previous Rainfall (hrs): 72+
Submerged: Partially D	nlikely epth (in): 2	Inspector: JCW	_Notes			
Sampling Results	Floatables:	None	1			
Sample Location: Pool	Odor:	None				
Total Chlorine: 0 ppm	Turbidity:	Slight cloudiness	1			***************************************
Free Chlorine: 0 ppm	Color:	None				
Ammonia: 1 ppm	Gross Solids:	None	Condit	ion Assessme	nt —	NAME OF THE OWNER OW
pH: 7.81 <sub>units</sub>	Vegetation:	None	Graffiti:	None		
Temperature 75 ∘ <sub>F</sub>	Benthic Growth:	Slight	Erosion	: None		o20130731111022.JPG
Conductivity: 632 µS/cm	Stains:	Moderate	Deposit	ion: None	in.	2012
Detergents: 0 mg/L		None	Damag	e: None		2013

Inspection Date:	9/27/2012 1	10:59:11 AM	Type: Repeat	Flow:	Subm	nerged, indeter	minate	e Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Partia	ally De	otential epth (in): 2	Inspector: JCW	-Notes		tergent follow-u	ıp.	6
Sampling Results Sample Location:	Pool		None None					
Total Chlorine: Free Chlorine:	0 <sub>ppm</sub> 0 <sub>ppm</sub>	•	Slight cloudiness Faint in bottle	Cond	ition As	ssessment —		
	0 <sub>ppm</sub> 7.88 <sub>units</sub>		None None	Graffit	i:	None		
	64 ° F 686 μS/cm	Benthic Growth: Stains:	Slight Slight	Erosic Depos	sition:	None None	in.	o20120927100116.JPG <b>2012</b>
Detergents:	0 mg/L	Non-illicit:	None	Dama	ge:	None		ZUIZ

Inspection Date:	6/12/2012 1	11:42:38 AM	Type: Ongoing	Flow:	Subm	erged, indeterr	minate	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Partia	ally De	otential epth (in): 2	Inspector: JCW			flowline with		
Sampling Results Sample Location: Total Chlorine:	Pool 0 <sub>ppm</sub>	Odor:	None Faint Cloudy					
Free Chlorine: Ammonia: pH:	0 <sub>ppm</sub> 3 <sub>ppm</sub> 7.89 <sub>units</sub>	Gross Solids:	Clearly visible in bottl Slight	-Cond		sessment —		
Temperature Conductivity: 1	64 ° F 1011 μS/cm	Benthic Growth:	None None Moderate	Erosio	n: sition:	None None	in.	o20120612104548.JPG <b>2012</b>
Detergents:	1.3 <sub>mg/L</sub>		Moderate	Dama	ge:	None		2012

13-1758 City of Oshkosh

Priority Outfall

#### Structure Type:

Closed Pipe Outfall

#### **Discharge Location:**

Adjacent Municipality

#### NR 216 Class:

Minor Outfall

#### Shape:

Pipe - Circular

#### Material:

RCP

# City ID:

N/A

#### -Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):

#### **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181024122300.JPG

#### **Outfall Notes:**

STH 44 storm sewer discharges to USH 41 right-of-way from west.

County Coordinates:Latitude/Longitude:Northing:462,715Latitude:43.98883Easting:780,701Longitude:-88.58472

# Location Map



#### **Inspection Date:** 10/24/2018 12:25:28 PM Inspector: **JCW** Previous Rainfall (hrs): 72+ Inspection Type: Ongoing Flow Description: Submerged, slight flow Outfall partially submerged - screened Notes: upstream at 13-1758 US1. Submerged: Partially Depth (in): 8 Illicit Discharge Potential: Unlikely Other Petrol. Sheen Suds □ Sewage ✓ Algae Floatables: Slight Odor: None Petroleum Musty Sewage Chlorine Other ∇OC/Solvent Fishy Sulfur Fragrant Turbidity: None o20181024122310.JPG Color: None Gross Solids: None Litter ☐ Veg. Debris ☐ Sediment ☐ Other 2018 Vegetation: None Inhibited Excessive Sampling Results Benthic Growth: Moderate ✓ Green Brown Sample Location: Stains: Flow Line Oil Rust Stains None Sample ID: Paint Other Time Collected: Non-illicit: Natural Sheen Natural Suds/Foam None Total Chlorine (field): ppm Physical Condition Assessment Free Chlorine (field): ppm Ammonia (field): Graffiti: None ppm Erosion: pH (field): units None ۰F Deposition: None Depth (in): Temperature (field): Damage: None Conductivity (field): μS/cm ☐ Displacement ☐ Undercut Crushed Detergents: mg/L Corrosion Cracks/Structural Damage

13-1758 City of Oshkosh

					-
Inspection Date:	10/19/2017	′ 10:43:36 AM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Partia Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature	ppm ppm ppm ppm units ° F	nlikely epth (in): 12  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth:		Notes Outfall partially submerged - screened upstream at 13-1758 US1.  -Condition Assessment	o20171019103654.JPG
Conductivity: Detergents:	μS/cm mg/L	Stains: Non-illicit:	Moderate None	Deposition: Moderate 8 in.  Damage: None	2017
		TTOTT IIIIOIL.	THORIC		
Inspection Date:	10/19/2016	2:28:19 PM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Partia Sampling Results Sample Location: Total Chlorine: Free Chlorine:	ılly D	nlikely epth (in): 24  Floatables: Odor: Turbidity: Color:	None Easily detected None None	Notes Outfall partially submerged - screened upstream at 13-1758 US1.  Condition Assessment	
Ammonia: pH: Temperature Conductivity: Detergents:	ppm units ° F μS/cm mg/L	Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	Slight None None None None	Graffiti: None Erosion: None Deposition: Moderate 13 in. Damage: None	o20161019142738.JPG <b>2016</b>
Inspection Date:  Illicit Discharge Po Submerged: Partia  Sampling Results Sample Location: Total Chlorine:	<b>itential: U</b>	nlikely epth (in): 24  Floatables: Odor: Turbidity:	Type: Ongoing Inspector: JCW  None None None	Flow: Submerged, indeterminate  Notes  Outfall partially submerged - screened at 13-1758 US1.	Previous Rainfall (hrs): 72+
Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:	ppm ppm units ° F μS/cm mg/L	Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	None Slight None Moderate None None	Condition Assessment  Graffiti: None Erosion: None Deposition: Moderate 8 in. Damage: None	o20150924125956.JPG <b>2015</b>
Inspection Date:  Illicit Discharge Po Submerged: Partia  Sampling Results	<b>itential: P</b>	otential epth (in): 26	Type: Ongoing Inspector: JCW	Flow: Submerged, indeterminate  Notes  Outfall partially submerged - screened upstream at 13-1758 US1.	Previous Rainfall (hrs): 48-72
Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:	ppm ppm ppm units ° F μS/cm mg/L	Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	None None None Slight None Slight None None None	Condition Assessment  Graffiti: None Erosion: None Deposition: Moderate 8 in. Damage: None	o20141007105524.JPG 2014

13-1758 City of Oshkosh

Inspection Date:	7/30/2013 7	7:19:09 AM	Type: Ongoing	Flow:	Submerged, indeterminate	e Previous Rainfall (hrs): 72+
Illicit Discharge Po	tential: Po	otential	Inspector: JCW	-Notes	s ————	
Submerged: Fully	De	epth (in): 30			ntainment booms still	
Sampling Results	-	Floatables:	Slight	Outfal	nt in downstream pool. I fully submerged. ned upstream at 13-	
Sample Location:		Odor:	Faint	1758 U	•	<b>经验证</b> 从
Total Chlorine:	ppm	Turbidity:	None	11750 (	561.	<b>《</b>
Free Chlorine:	ppm	Color:	None	<b> </b>	14.1 A	
Ammonia:	ppm	Gross Solids:	Slight	Cond	lition Assessment ———	
pH:	units	Vegetation:	None	Graffit	i: None	
Temperature	∘ <i>F</i>	Benthic Growth:	None	Erosio	n: None	o20130730062618.JPG
Conductivity:	μS/cm	Stains:	None	Depos	sition: Moderate 10 in.	2013
Detergents:	mg/L	Non-illicit:	None	Dama	ge: None	2013

13-1758 US1 City of Oshkosh

#### Structure Type:

Manhole

#### **Discharge Location:**

Downstream Outfall

#### NR 216 Class:

Minor Outfall - Alternate Location

#### Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

# City ID:

13-1758

#### **Dimensions**

Diameter (in):

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181024122538.JPG

#### **Outfall Notes:**

Upstream manhole located approx 42 ft W of outfall 13-1758. Intermediate area consists of state highway right-of-way.

**County Coordinates:** Latitude/Longitude: 462,713 Latitude:

Northing: 43.98883 Easting: 780,659 Longitude: -88.58488



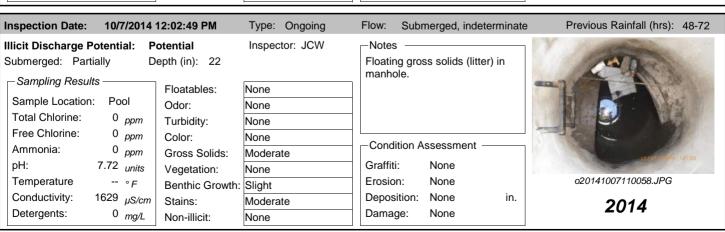
#### **Inspection Date:** 10/24/2018 12:27:39 PM **JCW** Previous Rainfall (hrs): 72+ Inspector: Inspection Type: Ongoing Flow Description: Submerged, indeterminate Sample collected from submerged pool in Notes: manhole Submerged: Partially Depth (in): 9 Illicit Discharge Potential: Unlikely Other Petrol. Sheen Suds Sewage Algae Floatables: None Odor: None Petroleum Musty Sewage Chlorine Other ∇OC/Solvent Fishy Sulfur Fragrant Turbidity: None o20181024122546.JPG Color: None Gross Solids: None Litter ☐ Veg. Debris ☐ Sediment ☐ Other 2018 Vegetation: None Inhibited Excessive Sampling Results Benthic Growth: None Green Brown Sample Location: Pool Stains: Flow Line Oil Rust Stains None Sample ID: 181024-53 Paint Other Time Collected: 12:27 Natural Sheen Natural Suds/Foam Non-illicit: None Total Chlorine (field): 0 ppm Physical Condition Assessment Free Chlorine (field): ppm Graffiti: None Ammonia (field): 0 ppm Erosion: pH (field): units None 7.34 ۰F Deposition: None Depth (in): Temperature (field): 53 Damage: None Conductivity (field): 1379 μS/cm ☐ Displacement ☐ Undercut Crushed Detergents: 0 mg/L Corrosion Cracks/Structural Damage

13-1758 US1 City of Oshkosh

Inspection Date:	10/19/2017	′ 10:48:33 AM	Type: Ongoing	Flow:	Submerged,	indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Po	otential: U	nlikely	Inspector: JCW	-Notes	s ———		
Submerged: Partis	,	epth (in):			le collected fro erged pool in r		
Sampling Result		Floatables:	None				
Sample Location:	Pool	Odor:	None				
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None				
Free Chlorine:	0 <sub>ppm</sub>	Color:	None	<b></b>			
Ammonia:	0 <sub>ppm</sub>	Gross Solids:	None	_ Cond	lition Assessm	ient —	10/19/2017
pH:	7.79 <sub>units</sub>	Vegetation:	None	Graffit	i: None		10/16/2017
Temperature	64 ∘ <i>F</i>	Benthic Growth:	Moderate	Erosio	n: None		o20171019104456.JPG
Conductivity:	1902 <sub>μS/cm</sub>	Stains:	Slight	Depos	sition: None	in.	2017
Detergents:	0 mg/L		None	Dama	ge: None		2017

Inspection Date:	10/19/2016	2:33:00 PM	Type: Ongoing	Flow:	Subm	nerged, indete	erminate	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Partia		nlikely epth (in): 24	Inspector: JCW	-Note		shout on grou	ınd	13
Sampling Results	•	. , ,	None		manhole		and I	
Sample Location:			None					
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None					
Free Chlorine:	0 <sub>ppm</sub>	Color:	None	Conc	dition Ac	ssessment –		
Ammonia:	0 <sub>ppm</sub>	Gross Solids:	Moderate	_ Conc	JILIOH AS	ssessifierit —		
pH:	7.72 <sub>units</sub>	Vegetation:	None	Graffi	ti:	None		-00 (B/2)-16
Temperature	67 ∘ <sub>F</sub>	Benthic Growth:	None	Erosio	on:	None		o20161019143020.JPG
Conductivity:	1270 <sub>μS/cm</sub>	Stains:	Moderate	Depos	sition:	None	in.	2016
Detergents:	0 <sub>mg/L</sub>	Non-illicit:	None	Dama	age:	None		2010

Inspection Date:	9/24/2015 2	2:02:47 PM	Type: Ongoing	Flow:	Submerged, indetern	ninate	Previous Rainfall (hrs): 72+
Illicit Discharge Pot Submerged: Partial Sampling Results Sample Location:	lly De	nlikely epth (in): 22  Floatables: Odor:	Inspector: JCW  None  None		naining evidence of petroleum discharge.		
Free Chlorine: Ammonia: pH: 7	0 ppm 0 ppm 0 ppm 7.66 units	Vegetation:	Slight cloudiness None None None	- Cond Graffit			020150924130406JPG
	72 ° F 138 μS/cm 0 mg/L		Slight Moderate Slight	Depos	ition: None	in.	2015



13-1758 US1 City of Oshkosh

Inspection Date: 7/30/2013	7:22:47 AM	Type: Ongoing	Flow:	Submerged, inde	eterminate	e Previous Rainfall (hrs): 72+
Illicit Discharge Potential: P	otential	Inspector: JCW	-Note:	s ———		0
,	epth (in): 27			eum odor still pres sheen observed.	ent.	
Sampling Results	Floatables:	Moderate				The state of the s
Sample Location: Pool	Odor:	Easily detected				
Total Chlorine: 0 ppm	Turbidity:	None				
Free Chlorine: 0 ppm	Color:	None				
Ammonia: 0 <sub>ppm</sub>	Gross Solids:	Slight	Cond	ition Assessment		*/
pH: 7.6 units		None	Graffit	i: None		
Temperature 67 ∘ F	Benthic Growth:	None	Erosio	n: None		o20130730062844.JPG
Conductivity: 1071 µS/cm	Stains:	Severe	Depos	sition: None	in.	2012
Detergents: 0 mg/L	Non-illicit:	None	Dama	ge: None		2013

13-2332 City of Oshkosh

Non-Priority Major Outfall

# Structure Type:

Closed Pipe Outfall

# **Discharge Location:**

Water of the State

#### NR 216 Class:

Major Outfall

#### Shape:

Pipe - Elliptical

#### Material:

**RCP** 

# City ID:

N/A

#### -Dimensions

Diameter (in):

Height/Depth (in): 33

Width (in): 60

# **Mapping Precison:**

Mapping GPS

☐ Not Physically Located



o20181024151708.JPG

#### **Outfall Notes:**

Storm sewer from Fox Tail Ln discharges to stream north of trail.

County Coordinates:Latitude/Longitude:Northing:467,262Latitude:44.00128Easting:774,586Longitude:-88.60798



Inspection	Date: 1	0/24/2018 3:19:1	1 PM Ir	nspector:	JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descr Submerged:	-	ubmerged, sligh Depth (in		Notes:	upstrea	partially submerged - um at 13-2332 US1. [	Detergent	11	
•	•	. ,	,		detecte	ed in upstream manho	ole.		The second second
Illicit Disch	arge Potei	ntial: Potentia	l						
Floatables:	None		Petrol.	Sheen _	Suds	Sewage Al	gae 🗌 Other		
Odor:	Faint		Petrole	_	Musty		nlorine   Other		
Turbidity:	None			Solvent	Fishy	✓ Sulfur	agrant		100
Color:	None							o201810241517	710.JPG
Gross Solids	s: Mode	rate	Litter	•	Veg. Deb	oris Sediment	Other	2018	3
Vegetation:	None		Inhibite	ed 🗌	Excessiv	е		Sampling Results ———	
Benthic Gro	wth: Slight		✓ Green		Brown			Sample Location:	
Stains:	Mode	rate	✓ Flow L		Oil	Rust Stains		Sample ID:	
			Paint		Other			Time Collected:	
Non-illicit:	None		Natura	l Sheen	☐ Natu	ral Suds/Foam		Total Chlorine (field):	ppm
-Physical (	Condition A	Assessment —						Free Chlorine (field):	ppm
Graffiti:	None							Ammonia (field):	ppm
Erosion:	None							pH (field):	units
Depositio	n: None	Depth (in):						Temperature (field):	°F
Damage:	None	Displac	ement 🔲 l	Jndercut		Crushed		Conductivity (field):	μS/cm
		Corrosi		Cracks/Str	ructural D	Damage		Detergents:	mg/L

13-2332 City of Oshkosh

Inspection Date:	6/12/2012	9:35:59 AM	Type: Ongoing	Flow:	Subm	nerged, slight	t flow	Previous Rainfall (hrs): 72+
Illicit Discharge Po	tential: U	nlikely	Inspector: JCW	-Note:	s —			
Submerged: Partia	•	epth (in): 14				lly submerge stream at 13-		
Sampling Results		Floatables:	None	US1.	·			The second secon
Sample Location:		Odor:	None					
Total Chlorine:	ppm	Turbidity:	None					A STATE OF THE STA
Free Chlorine:	ppm	Color:	None					
Ammonia:	ppm	Gross Solids:	Slight	_ Cond	dition As	ssessment –		
pH:	units	Vegetation:	None	Graffi	ti:	None		
Temperature	∘ <i>F</i>	Benthic Growth:	Moderate	Erosio	on:	None		o20120612083850.JPG
Conductivity:	μS/cm	Stains:	None	Depos	sition:	None	in.	2012
Detergents:	mg/L	Non-illicit:	None	Dama	ige:	None		2012

Inspection Date:	9/3/2009		Type: Initial	Flow: Su	bmerged, sligh	nt flow	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Partia	illy D	nlikely epth (in): 15	Inspector: JCW	-Notes -			
Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia:	ppm ppm ppm	Odor: Turbidity: Color:	None Faint None None None		Assessment -		00 CO. 1010 12:01
pH: Temperature Conductivity: Detergents:	units ° F μS/cm mg/L	Vegetation: Benthic Growth: Stains: Non-illicit:	Slight	Graffiti: Erosion: Deposition Damage:	None None n: None	8 in.	Osh09_DSCN6437.JPG <b>2009</b>

13-2332 US1 City of Oshkosh

# Structure Type:

Inlet/Catchbasin

#### **Discharge Location:**

Water of the State

#### NR 216 Class:

Major Outfall - Alternate Location

#### Shape:

Manhole/Catchbasin

# Material:

Manhole - concrete

#### City ID:

13-2331

#### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181024151926.JPG

#### **Outfall Notes:**

Upstream catchbasin located approx 30 ft S of outfall 13-2332. Intermediate area consists of open space.

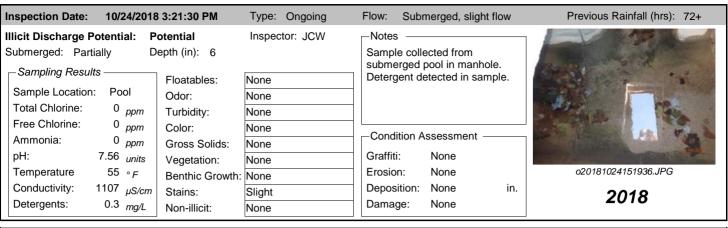
**County Coordinates:** Latitude/Longitude:

Northing: 467,230 Latitude: 44.00119 Easting: 774,589 Longitude: -88.60797



Inspection Date: 10/26/201	8 12:34:51 PM Inspector: KM	K Inspection Type: Repeat	Previous Rainfall (hrs): 72+
1		ergent detection follow-up. Limited sening conducted beyond sampling.	
Floatables: None Odor: None Turbidity: None Color: None	Petrol. Sheen Sud	sty Sewage Chlorine Other	
Gross Solids: None Vegetation: None	Inhibited Exces		<b>2018</b> - Sampling Results
Stains: None Slight	Green	Rust Stains	Sample Location: Flow Sample ID: 181026-61 Time Collected: 12:35
Non-illicit: None		atural Suds/Foam	Total Chlorine (field):  Free Chlorine (field):  Ammonia (field):  DH (field):  Temperature (field):  Conductivity (field):  Detergents:  O ppm  7.66 units  7.66 vr  1082 µS/cm  0.35 mg/L

13-2332 US1 City of Oshkosh



Inspection Date:	6/12/2012 9	:45:08 AM	Type: Ongoing	Flow:	Subm	erged, slight flo	ow	Previous Rainfall (hrs): 72+
Illicit Discharge Pote Submerged: Partially		epth (in): 9	Inspector: JCW	-Notes				
Sample Location:	Pool		None					
Total Chlorine:	0 <sub>ppm</sub>		None None					
Free Chlorine: Ammonia:	0 <sub>ppm</sub> 0 <sub>ppm</sub>		None None	_Condi	tion As	ssessment —		
	64 <sub>units</sub>		None	Graffiti		None		00/000/000/150 /D0
	65 ∘ <sub>F</sub> 182 <sub>μS/cm</sub>	Benthic Growth: Stains:	Slight None	Erosio Depos		None None	in.	o20120612084456.JPG
	0 mg/L		None	Damag	ge:	None		2012

Inspection Date: 9/3/2009		Type: Initial	Flow:	Submerged, slight	flow	Previous Rainfall (hrs): 72+
Submerged: Partially Dep	likely pth (in): 9 Floatables:	Inspector: JCW	-Notes			
Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: ppm	Odor: Turbidity: Color: Gross Solids:	None None None	-Condi	tion Assessment —		
Temperature 71 ° F Conductivity: µS/cm	Vegetation: Benthic Growth: Stains: Non-illicit:	None	Erosion Depos Damag	n: None tion: None	0 in.	Osh09_DSCN6440.JPG <b>2009</b>

13-2382 City of Oshkosh

Non-Priority Major Outfall

#### Structure Type:

Closed Pipe Outfall

#### **Discharge Location:**

Adjacent Municipality

#### NR 216 Class:

Major Outfall

#### Shape:

Pipe - Elliptical

#### Material:

**RCP** 

# City ID:

N/A

#### -Dimensions

Diameter (in):

Height/Depth (in): 34

Width (in): 53

#### **Mapping Precison:**

Desktop mapping estimate

■ Not Physically Located



o20181025074832.JPG

#### **Outfall Notes:**

Storm sewer from Maricopa Dr discharges to storm sewer in I-41 right-of-way behind fence.

County Coordinates:Latitude/Longitude:Northing:469,974Latitude:44.00874Easting:781,189Longitude:-88.58289



Inspection Da	ate: 10/25/2018	8 7:49:06 AM	Inspector:	JCW Insp	pection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descrip Submerged: Illicit Dischar	None D	Depth (in): <b>Jnlikely</b>	Notes:	Junction behin Screened upst				
Odor: N Turbidity: N	lone lone lone	Petro	I. Sheen  leum  Solvent	Musty S	ewage 🔲 Ch	gae Other Other Other agrant	02018102507480	D8.JPG
Gross Solids: Vegetation: Benthic Growt Stains:	None None	Litter Inhibi Gree Flow Paint	ted E	/eg. Debris  Excessive Brown Dil  Dther	Sediment		2018 Sampling Results Sample Location: Sample ID:	3
Non-illicit:  —Physical Co Graffiti: Erosion: Deposition: Damage:	None	ent epth (in):	Undercut	Natural Sud	1		Time Collected:  Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field): Detergents:	ppm ppm ppm units ° F µS/cm mg/L

13-2382 US2 City of Oshkosh

# Structure Type:

Manhole

# **Discharge Location:**

Downstream Outfall

#### NR 216 Class:

Minor Outfall - Alternate Location

#### Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

#### City ID:

N/A

#### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

#### **Mapping Precison:**

Desktop mapping estimate

■ Not Physically Located



o20181025075020.JPG

#### **Outfall Notes:**

Upstream manhole located approx 105 ft WSW of outfall 13-2382. Intermediate area consists of street right-of-way.

**County Coordinates:** Latitude/Longitude:

Northing: 469,946 Latitude: 44.00867 Easting: 781,106 Longitude: -88.58321



Inspection	Date:	10/25/2018 7:52:3	1 AM Insp	ector: .	JCW	Inspection Type	: Ongoing	Previous Rainfall (hrs):	72+
Flow Descr Submerged:	•			Notes: I	Manhole d	lry at time of insp	ection.		Park
Illicit Disch			,.						
Floatables:	None	,	Petrol. S	heen 🗌 S	Suds [	Sewage A	Algae		
Odor:	None		Petroleur		Musty [ Fishy [		Chlorine  Other	1	200
Turbidity:	None				, _	_	-	The second	
Color:	None							o201810250750	36.JPG
Gross Solids	s: N	lone	Litter	U Ve	eg. Debris	Sediment	Other	2018	3
Vegetation:	Ν	lone	Inhibited	Ex	xcessive		_	Sampling Results ———	
Benthic Gro	wth: N	lone	Green	☐ Br	rown			Sample Location:	
Stains:	١	lone	Flow Line	e 🗌 Oi	il	Rust Stains		Sample ID:	
			Paint	Ot	ther			Time Collected:	
Non-illicit:	١	lone	Natural S	Sheen	Natural	Suds/Foam		Total Chlorine (field):	ppm
-Physical (	Condi	tion Assessment —						Free Chlorine (field):	ppm
Graffiti:	١	lone						Ammonia (field):	<i>ppm</i>
Erosion:	١	lone						pH (field):	units
Depositio	n: N	None Depth (in):						Temperature (field):	° F
Damage:	١	None Displac	_	dercut acks/Strud	Crus	shed nage		Conductivity (field): Detergents:	μS/cm mg/L

13-2611 City of Oshkosh

Non-Priority Major Outfall

# Structure Type:

Closed Pipe Outfall

#### Discharge Location:

Water of the State

#### NR 216 Class:

Major Outfall

#### Shape:

Pipe - Circular

#### Material:

**RCP** 

# City ID:

N/A

#### -Dimensions

Diameter (in): 12

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

✓ Not Physically Located



o20181024124534.JPG

# **Outfall Notes:**

STH 44 curb inlets discharge to stream from south. Possible outfall pool located, but actual pipe not found. Encountered rock/riprap.

County Coordinates:Latitude/Longitude:Northing:461,228Latitude:43.98474Easting:778,403Longitude:-88.59345



Inspection Date: 10/24/2018	2:47:24 PM Inspector:	JCW Inspect	ion Type: Ongoing	Previous Rainfall (hrs): 72+
•	Notes: oth (in):	Sediment wet, but inspection. Sample immediately downs	e collected from pool	
Floatables: None Odor: None  Turbidity: None Color: None	Petrol. Sheen Petroleum VOC/Solvent	Musty Sewa	ge Chlorine Othe	
Gross Solids: None  Vegetation: None		Veg. Debris  Sec	diment	<b>2018</b> –Sampling Results
Benthic Growth: Slight Stains: None	Flow Line	Brown Oil Rus Other	st Stains	Sample Location: Pool Sample ID: 181024-68 Time Collected: 12:45
Damage: None	n (in): 1		am	Total Chlorine (field): 0 ppm  Free Chlorine (field): 0 ppm  Ammonia (field): 0 ppm  pH (field): 7.67 units  Temperature (field): 51 ° F  Conductivity (field): 1681 µS/cm  Detergents: 0 mg/L

13-2611 City of Oshkosh

Inspection Date:	7/30/2013	6:46:29 AM	Type: Ongoing	Flow:	Submerged, indet	erminate	Previous Rainfall (hrs): 72+
Illicit Discharge Pot	tential: U	nlikely	Inspector: JCW	-Note:	s ———		THE WAS TO SERVICE TO
Submerged: Fully		epth (in): 12			II not positively fied. Outfall screene	ed	
Sampling Results		Floatables:	None	upstre	eam at 13-2611 US1		
Sample Location:		Odor:	None				
Total Chlorine:	ppm	Turbidity:	None	1			
Free Chlorine:	ppm	Color:	None		I'd A		ALE VIEW NEW YORK THE PARTY OF
Ammonia:	ppm	Gross Solids:	Slight	Cond	lition Assessment –		
pH:	units	Vegetation:	None	Graffit	ti: None		
Temperature	∘ <i>F</i>	Benthic Growth:	None	Erosio	on: None		o20130730055304.JPG
Conductivity:	μS/cm	Stains:	None	Depos	sition: Moderate	2 in.	2013
Detergents:	mg/L	Non-illicit:	None	Dama	ge: None		2013

13-2613 City of Oshkosh

Non-Priority Major Outfall

# Structure Type:

Closed Pipe Outfall

# **Discharge Location:**

Water of the State

#### NR 216 Class:

Major Outfall

#### Shape:

Pipe - Circular

#### Material:

**RCP** 

# City ID:

N/A

#### -Dimensions

Diameter (in): 42

Height/Depth (in):

Width (in):

# **Mapping Precison:**

■ Not Physically Located



o20181024124742.JPG

#### **Outfall Notes:**

STH 44 storm sewer discharges to stream from west.

County Coordinates:Latitude/Longitude:Northing:461,213Latitude:43.98470Easting:778,377Longitude:-88.59355

# 13-2613 13-2611

Inspection Date	e: 10/24/2018 12:49:	48 PM Inspector:	JCW Inspe	ction Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Description Submerged: P Illicit Discharge	, , ,		Sample collected pipe.	d from subme	rged flow in		
Floatables: Noi Odor: Noi Turbidity: Noi Color: Noi	ne	Petrol. Sheen Petroleum VOC/Solvent	Suds Sew Musty Sew Fishy Sulf	age Chlo	ae Other prine Other grant	020181024124	806.JPG
Gross Solids: Vegetation: Benthic Growth: Stains:	Slight None	Inhibited Green Flow Line	Excessive Brown	ediment  ust Stains			v 024-65
Non-illicit:  —Physical Con Graffiti: Erosion: Deposition: Damage:	Slight  Idition Assessment —  None  None  None Depth (in):  None Displace  Corrosic	ement  Undercut	Natural Suds/F  Crushed ructural Damage	Foam		Temperature (field):	8 0 ppm 0 ppm 0 ppm 7.47 units 52 ° F 1047 μS/cm 0 mg/L

13-2613 City of Oshkosh

Inspection Date:	7/30/2013	6:54:23 AM	Type: Ongoing	Flow:	Submerged, indetern	ninate	Previous Rainfall (hrs): 72+		
Illicit Discharge Pot	tential: U	nlikely	Inspector: JCW	-Notes	<b>3</b> ————				
Submerged: Partially Depth (in): 5				Outfall partially submerged. Outfall screened upstream at					
Sampling Results — Floatables:		None	13-2613 US1.						
Sample Location:		Odor:	None						
Total Chlorine:	ppm	Turbidity:	None						
Free Chlorine:	ppm	Color:	None						
Ammonia:	ppm	Gross Solids:	Moderate	Cond	ition Assessment —				
pH:	units	Vegetation:	None	Graffit	i: None				
Temperature	∘ <i>F</i>	Benthic Growth:	Moderate	Erosio	n: None		o20130730060140.JPG		
Conductivity:	μS/cm	Stains:	Moderate	Depos	ition: None	in.	2013		
Detergents:	mg/L	Non-illicit:	None	Dama	ge: None		2013		

nspection Date: 9/3/2009		Type: Initial	Flow: Subr	merged, slight fl	ow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: U Submerged: Partially D	Inspector: JCW	Notes — Thick layer of grass clippings in pipe and pool.		js		
Sampling Results	Floatables:	Moderate	$\neg \mid \cdot \cdot \cdot \cdot$		. 3	
Sample Location: Pool	Odor:	None			1	
Total Chlorine: 0 ppm	Turbidity:	None				
Free Chlorine: 0 ppm	Color:	None	O a sa diti a sa A			
Ammonia: ppm	Gross Solids:	None	Condition A	ssessment —		
pH: 7.77 <i>units</i>	Vegetation:		Graffiti:	None	100	A CONTRACTOR OF THE PARTY OF TH
Temperature 69 ∘ F	Benthic Growth:	Slight	Erosion:	None		Osh09_DSCN6430.JPG
Conductivity: µS/cm	Stains:	9	Deposition:	None	0 in.	2000
Detergents: 0 mg/L	Non-illicit:	None	Damage: None			2009

Non-Priority Non-Major Outfall

# Structure Type:

Closed Pipe Outfall

# Discharge Location:

Downstream Outfall

### NR 216 Class:

Supplemental Outfall

### Shape:

Pipe - Circular

### Material:

**RCP** 

# City ID:

N/A

# -Dimensions

Diameter (in): 27

Height/Depth (in):

Width (in):

### **Mapping Precison:**

Desktop mapping estimate

■ Not Physically Located



o20181024125916.JPG

### **Outfall Notes:**

Storm sewer from Atlas Ave discharges to swale from south.

County Coordinates:Latitude/Longitude:Northing:461,555Latitude:43.98563Easting:775,797Longitude:-88.60335

# 3-2822 ATLAS AVE

Inspection	Date: 10/2	<b>4/2018 1:01:16 PM</b> Ir	nspector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descr	iption: Sub	merged, indeterminate		l partially submerged -	screened		
Submerged:	Partially	Depth (in): 8	upstre	am at 13-2822 US1.		29 37/2/8	
Illicit Disch	arge Potentia	ıl: Unlikely					
Floatables:	None	Petrol.	Sheen Suds	Sewage Al	gae		
Odor:	None	Petrole			hlorine   Other		$\langle x \rangle$
Turbidity: Color:	None None		Solvent  Fishy	Sulfur Fr	agrant	0201810241259	024.JPG
Gross Solids	s: None	Litter	☐ Veg. De	bris Sediment	Other	201	8
Vegetation:	None	Inhibite	ed Excessi	ve	<u>_</u> ;	Sampling Results ———	
Benthic Gro Stains:	wth: Slight None	✓ Green ☐ Flow L ☐ Paint	Brown ine Oil Other	Rust Stains		Sample Location: Sample ID: Time Collected:	
Non-illicit:	None	☐ Natura	l Sheen	ural Suds/Foam		Total Chlorine (field):	ppm
-Physical	Condition Ass	essment ————				Free Chlorine (field):	<i>ppm</i>
Graffiti:	None					Ammonia (field):	<i>ppm</i>
Erosion:	None					pH (field):	units
Depositio		Depth (in):				Temperature (field):	° <i>F</i>
Damage:	None		Undercut  Cracks/Structural	Crushed Damage		Conductivity (field): Detergents:	μS/cm mg/L

13-2822 US1 City of Oshkosh

# Structure Type:

Inlet/Catchbasin

# Discharge Location:

Downstream Outfall

### NR 216 Class:

Minor Outfall - Alternate Location

### Shape:

Manhole/Catchbasin

### Material:

Manhole - concrete

### City ID:

N/A

### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Desktop mapping estimate

■ Not Physically Located



o20181024130216.JPG

### **Outfall Notes:**

Upstream curb inlet located approx 42 ft S of outfall 13-2822. Intermediate area consists of road right-of-way.

County Coordinates: Latitude/Longitude:

Northing: 461,513 Latitude: 43.98552 Easting: 775,798 Longitude: -88.60335



Inspection Date:	10/24/2018 1:04:0	1 PM Inspector	r: JCW Inst	pection Type:	Ongoing	Previous Rainfall (hrs):	72+
Submerged: Par			s: Sample collect manhole.	ted from subm	nerged pool in	1	Te de
Floatables: None Odor: None Turbidity: None	9	Petrol. Sheen Petroleum VOC/Solvent	Musty Se	ewage C	gae		0A400
	None	Litter	Veg. Debris	Sediment [	Other	o20181024130. <b>201</b>	
Benthic Growth:	None None	Inhibited Green Flow Line Paint	Excessive Brown Oil Other	Rust Stains		•	)24-95
Physical Condition  Graffiti: N  Erosion: N  Deposition: N	None  ition Assessment  None  None  None  Depth (in):  None  Displace	_		1		Temperature (field):	0 ppm 0 ppm 0 ppm 7.71 units 54 ° F 1446 μS/cm 0 mg/L

13-2860 City of Oshkosh

Non-Priority Non-Major Outfall

# Structure Type:

Pond Inlet

### **Discharge Location:**

MS4 Stormwater Facility

# NR 216 Class:

Supplemental Outfall

### Shape:

Pipe - Circular

### Material:

**RCP** 

# City ID:

N/A

# -Dimensions

Diameter (in): 15

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181024131820.JPG

### **Outfall Notes:**

Global Pkwy storm sewer discharges to detention basin via grass swale.

County Coordinates:Latitude/Longitude:Northing:460,783Latitude:43.98351Easting:773,179Longitude:-88.61329



Inspection D	ate: 10/24/2018 1:20:2	9 PM Inspector:	JCW Inspection	on Type: Ongoing	Previous Rainfall (hrs):	72+
Flow Description Submerged:	None Depth (in		Sediment wet, but r of inspection.	no collectable flow at time		
Floatables: Nodor: Nodo	None None None	Petroleum	Suds Sewag Musty Sewag Fishy Sulfur			idinaria 32.JPG
Gross Solids: Vegetation: Benthic Grow Stains:	None	☐ Inhibited ☐ E  ✓ Green ☐ B  ☐ Flow Line ☐ O	xcessive	iment	2018 -Sampling Results -Sample Location: Sample ID: Time Collected:	<b>3</b>
Non-illicit:  —Physical C Graffiti: Erosion: Deposition: Damage:	None  None  None  None  Moderate Depth (in):  None Displace  Corrosi	ement Undercut	☐ Natural Suds/Foa ☐ Crushed actural Damage	am	Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field): Detergents:	ppm ppm ppm units ° F μS/cm mg/L

13-2860 City of Oshkosh

Inspection Date:	7/30/2013	10:43:10 AM	Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: None	D	nlikely epth (in):	Inspector: JCW	Notes  Apron sediment wet, but no collectable flow at time of	
Sampling Results Sample Location: Total Chlorine:	ppm	Odor:	None None	inspection.	
Free Chlorine: Ammonia: pH: Temperature	ppm ppm units ° F	Color: Gross Solids: Vegetation:	None None None	Condition Assessment  Graffiti: None Erosion: None	o20130730095052.JPG
Conductivity: Detergents:	μS/cm mg/L		None None	Deposition: Minor 2 in. Damage: None	2013

13-2867 City of Oshkosh

Non-Priority Non-Major Outfall

# Structure Type:

Pond Inlet

### **Discharge Location:**

MS4 Stormwater Facility

# NR 216 Class:

Supplemental Outfall

### Shape:

Pipe - Circular

### Material:

**RCP** 

# City ID:

N/A

# -Dimensions

Diameter (in): 21
Height/Depth (in):

Width (in):

### **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181024132128.JPG

### **Outfall Notes:**

Atlas Ave storm sewer discharges to detention basin via grass swale.

County Coordinates:Latitude/Longitude:Northing:460,771Latitude:43.98347Easting:773,202Longitude:-88.61320



Inspection	Date: 10/2	4/2018 1:23:34 PM	Inspector:	JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descr	iption: Non	е	Notes:		ent wet, but no collect	able flow at time		的人
Submerged:	None	Depth (in):		of inspe	ection.			
Illicit Disch	arge Potentia	l: Unlikely						<b>-</b>
Floatables:	None	P	etrol. Sheen	Suds	Sewage Alg	gae 🗌 Other		
Odor:	None		etroleum	Musty		olorine  Other		
Turbidity:	None	U V	OC/Solvent	Fishy	Sulfur Fra	agrant		
Color:	None						o201810241321	38.JPG
Gross Solids	s: None	L	itter \( \square\)	Veg. Deb	oris Sediment	Other	2018	3
Vegetation:	None	lı	nhibited 🗌 I	Excessive	е	_	Sampling Results ———	
Benthic Grov	wth: None		Green 🗌 I	Brown			Sample Location:	
Stains:	None			Oil	Rust Stains		Sample ID:	
		∐ P	aint (	Other			Time Collected:	
Non-illicit:	None		latural Sheen	Natu	ral Suds/Foam		Total Chlorine (field):	ppm
-Physical (	Condition Ass	essment ———					Free Chlorine (field):	ppm
Graffiti:	None						Ammonia (field):	<i>ppm</i>
Erosion:	None						pH (field):	units
Deposition	n: Minor	Depth (in): 1					Temperature (field):	° <i>F</i>
Damage:	None	Displacement	Undercut		Crushed		Conductivity (field):	μS/cm
		Corrosion	Cracks/Str	uctural D	amage		Detergents:	mg/L

13-2867 City of Oshkosh

Inspection Date:	7/30/2013	10:38:11 AM	Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Po	tential:	Unlikely	Inspector: JCW	-Notes	
Submerged: None		Depth (in):		Apron sediment wet, but no collectable flow at time of	
Sampling Results		Floatables:	None	inspection.	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Sample Location:		Odor:	None		
Total Chlorine:	ppm	Turbidity:	None		
Free Chlorine:	ppm	Color:	None		
Ammonia:	ppm	Gross Solids:	None	Condition Assessment ——	<b>《大学》的第一人,并从李本宗</b>
pH:	units	Vegetation:	None	Graffiti: None	
Temperature	∘ <i>F</i>	Benthic Growth:	Slight	Erosion: None	o20130730094434.JPG
Conductivity:	μS/cm		Slight	Deposition: None ir	n. 2042
Detergents:	mg/L		None	Damage: None	2013

**Location Map** 

Non-Priority Non-Major Outfall

# Structure Type:

Pond Inlet

### **Discharge Location:**

MS4 Stormwater Facility

# NR 216 Class:

Supplemental Outfall

### Shape:

Pipe - Circular

### Material:

**RCP** 

# City ID:

N/A

### -Dimensions

Diameter (in): 42

Height/Depth (in):

Width (in):

### **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181024130750.JPG

# **Outfall Notes:**

Atlas Ave storm sewer discharges to detention basin via swale.

County Coordinates:Latitude/Longitude:Northing:461,184Latitude:43.98461Easting:774,130Longitude:-88.60968

Inspection D	Date: 10/	24/2018 1:11:06 PM	nspector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descri	ption: Su	bmerged, indeterminate		all partially submerged -		A posterior	
Submerged:	Partially	Depth (in): 7		eam at 13-2872a US1. acement.	3" joint		THE LAND
Illicit Discha	rge Potent	ial: Unlikely	'			S. C. T.	
L	None None	☐ Petrol.	Sheen Suds		gae Other		
Odor.	None		Solvent  Fishy		agrant		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Turbidity:	None		,		J		al sense
Color:	None					0201810241308	804.JPG
Gross Solids	: None	Litter	Ueg. D	ebris Sediment	Other	2018	8
Vegetation:	None	Inhibit	ed Excess	sive	<u>_</u> ;	Sampling Results ———	
Benthic Grow	th: Severe	<b>✓</b> Green	Brown			Sample Location:	
Stains:	Slight	<b>✓</b> Flow L	ine 🗌 Oil	Rust Stains		Sample ID:	
		Paint	Other			Time Collected:	
Non-illicit:	None	☐ Natura	al Sheen 🗌 Na	tural Suds/Foam		Total Chlorine (field):	ppm
Physical C	Condition As	ssessment ————				Free Chlorine (field):	ppm
Graffiti:	None					Ammonia (field):	<i>ppm</i>
Erosion:	None					pH (field):	units
Deposition		Depth (in):				Temperature (field):	° <i>F</i>
Damage:	Minor		Undercut	Crushed		Conductivity (field): Detergents:	μS/cm mg/L
		Corrosion '	Stacks/Structural	Damage			3 -

Inspection Date:	7/30/2013	10:24:54 AM	Type: Ongoing	Flow:	Submerged, indetern	ninate	Previous Rainfall (hrs): 72+
Illicit Discharge Po	tential: U	nlikely	Inspector: JCW	-Note:	s ———		
Submerged: Partia	ally D	epth (in): 6			I partially submerged.		
Sampling Results	3	Floatables:	Moderate		l screened upstream a 72a US1.	it	
Sample Location:			None				
Total Chlorine:	<sub>ppm</sub>		None				
Free Chlorine:	ppm	Color:	None		Prince Accessors		
Ammonia:	ppm	Gross Solids:	None	Cond	lition Assessment ——		marian - 2
pH:	units	Vegetation:	None	Graffi			
Temperature	∘ <i>F</i>	Benthic Growth:	Moderate	Erosio	on: None		o20130730092830.JPG
Conductivity:	μS/cm	Stains:	Slight	Depos		in.	2013
Detergents:	mg/L	Non-illicit:	None	Dama	ge: None		2013

13-2872a US1 City of Oshkosh

# Structure Type:

Inlet/Catchbasin

# Discharge Location:

Downstream Outfall

### NR 216 Class:

Supplemental - Alternate Location

### Shape:

Manhole/Catchbasin

### Material:

Manhole - concrete

# City ID:

13-2872

### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181024131134.JPG

### **Outfall Notes:**

Upstream curb inlet located approx 11 ft SE of outfall 13-2872a. Intermediate area consists of street right-of-way.

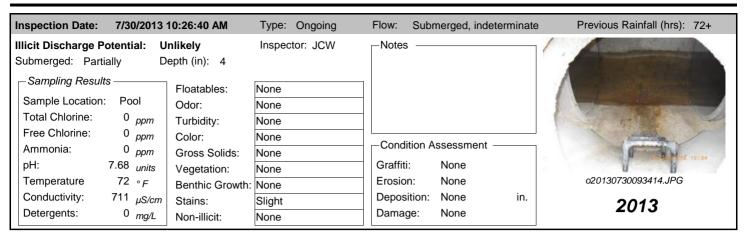
**County Coordinates:** Latitude/Longitude:
Northing: 461,174 Latitude: 43.98458

Northing: 461,174 Latitude: 43.98458 Easting: 774,134 Longitude: -88.60966



Inspection	Date: 10/24	/2018 1:14:10	PM In:	spector:	JCW	Inspec	tion Type:	Ongoing	Previous Rainfall (hrs	): 72+	
Flow Descr	iption: Subm	nerged, indete	rminate	Notes:	Sample		from subm	nerged pool in			1
Submerged:	Partially	Depth (in):	6		mamo					No.	B
Illicit Disch	arge Potential	: Unlikely									
Floatables:	None		Petrol.	Sheen _	Suds	Sewa	age 🗌 Al	gae 🗌 Other			
Odor:	None		Petrole	_	Musty	Sewa		nlorine  Other			
Turbidity:	None		VOC/So	olvent	∫ Fishy	∐ Sulfu	ıFI	agrant			10/24/2018
Color:	None								020181024	31148.JI	PG
Gross Solids	s: None		Litter		Veg. Deb	oris 🗌 Se	diment	Other	20	18	
Vegetation:	None	[	Inhibite	d 🔲	Excessiv	е			-Sampling Results ——		
Benthic Gro	wth: Slight	[	<b>✓</b> Green		Brown				Sample Location: P	ool	
Stains:	None		Flow Lii		Oil	Ru	ıst Stains		·	31024-3	9
			Paint		Other				•	3:11	
Non-illicit:	None	[	Natural	Sheen	☐ Natu	ral Suds/F	oam		Total Chlorine (field):	0	ррт
⊢Physical	Condition Asse	ssment ——							Free Chlorine (field):	0	ppm
Graffiti:	None								Ammonia (field):	0	ppm
Erosion:	None								pH (field):	7.38	units
Depositio	n: None	Depth (in):							Temperature (field):	56	°F
Damage:	None	Displacer	nent U	ndercut		Crushed			Conductivity (field):	1564	μS/cm
		Corrosion		racks/Str	ructural D	amage			Detergents:	0	mg/L

13-2872a US1 City of Oshkosh



Non-Priority Major Outfall

# Structure Type:

Closed Pipe Outfall

# Discharge Location:

Water of the State

### NR 216 Class:

Major Outfall

### Shape:

Pipe - Circular

### Material:

**RCP** 

# City ID:

N/A

# -Dimensions

Diameter (in): 18

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Desktop mapping estimate

■ Not Physically Located



o20181024140834.JPG

### **Outfall Notes:**

Detention basin discharges to stream from east.

County Coordinates:Latitude/Longitude:Northing:462,059Latitude:43.98701Easting:773,748Longitude:-88.61113



Inspection I	Date: 10/24	/2018 2:11:35	PM Inspe	ctor: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Submerged:		Depth (in):  Unlikely		otes: Sample pipe.	e collected from subm	nerged flow in		
Odor: Turbidity:	None None None		Petrol. She Petroleum VOC/Solve	en Suds Musty nt Fishy	Sewage Ch	gae  Other Other agrant	020181024140	844.JPG
Gross Solids Vegetation: Benthic Grov Stains:	None None		Litter Inhibited Green Flow Line Paint	☐ Veg. Deb ☐ Excessiv ☐ Brown ☐ Oil ☐ Other		Other	•	) 024-27
Non-illicit:  —Physical C Graffiti: Erosion: Deposition Damage:	None Condition Asse None None None None None	Depth (in): Displacen Corrosion			ral Suds/Foam  Crushed Damage		Time Collected: 14:1  Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field): Detergents:	0

13-2957 City of Oshkosh

Priority Outfall

# Structure Type:

Closed Pipe Outfall

### **Discharge Location:**

Water of the State

### NR 216 Class:

Major Outfall

### Shape:

Pipe - Box

### Material:

**RCP** 

# City ID: N/A

### -Dimensions

Diameter (in):

Height/Depth (in): 36

Width (in):

# **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181025131742.JPG

### **Outfall Notes:**

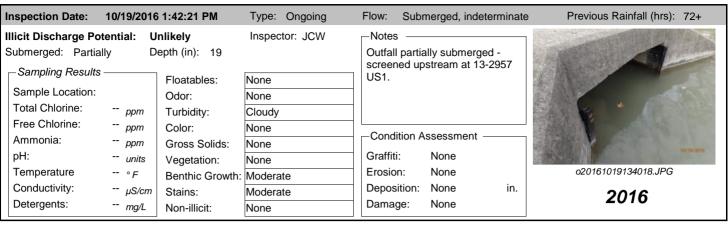
Storm sewer from South Park Ave discharges to detention basin from west. Outlet structure reconstructed before 2018 screening.

**County Coordinates:** Latitude/Longitude: Northing: 469,054 Latitude: 44.00624 Easting: 787,980 Longitude: -88.55708

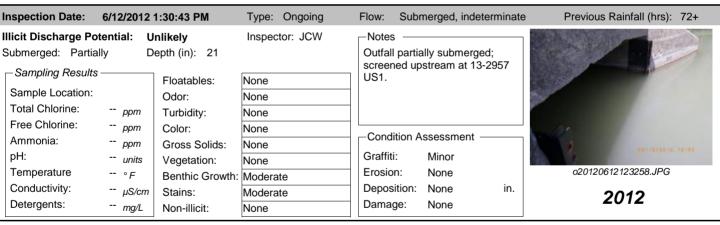


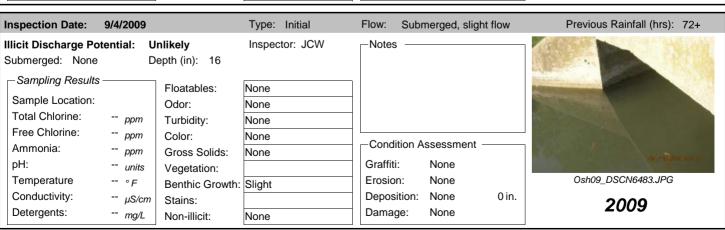
Inspection	Date:	10/25/2018 1:17:	<b>00 PM</b> In	spector:	JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descr	iption:	Submerged, ind	eterminate	Notes:		inaccessible - screen	ned upstream at		-
Submerged:	Partia	illy Depth (	n):		13-295	7 US1a.		West Barries	
Illicit Disch	arge Po	tential: Unlikel	y						
Floatables:	None		Petrol.	Sheen [	Suds	Sewage A	lgae		- h
Odor:	None		Petrole	eum [	Musty Fishv		hlorine  Other of Other	THE OWNER OF	ALCOHOL:
Turbidity:	None			OIVOIT _	_ 1 1311y		ragrant		10/25/2018
Color:	None							o20181025131	742.JPG
Gross Solids	s: No	ne	Litter		Veg. Del	oris Sediment	Other	201	8
Vegetation:	No	ne	Inhibite	ed 🗌	Excessiv	re		Sampling Results ———	
Benthic Grov	wth: No	ne	Green		Brown			Sample Location:	
Stains:	No	ne	Flow Li	ne 🗌	Oil	Rust Stains		Sample ID:	
			Paint		Other			Time Collected:	
Non-illicit:	No	ne	Natural	Sheen	☐ Natu	ıral Suds/Foam		Total Chlorine (field):	ppm
-Physical (	Conditio	n Assessment —						Free Chlorine (field):	ppm
Graffiti:	No	ne						Ammonia (field):	<i>ppm</i>
Erosion:	No	ne						pH (field):	units
Deposition			):					Temperature (field):	° <i>F</i>
Damage:	No	ne 🗌 Displa	cement 🗌 L	Indercut		Crushed		Conductivity (field):	μS/cm
		Corros	sion C	cracks/St	ructural [	Damage		Detergents:	mg/L

13-2957 City of Oshkosh



Inspection Date:	9/24/2015	1:12:45 PM	Type: Ongoing	Flow:	Subr	nerged, indeter	minate	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Partia	lly D	nlikely epth (in): 17	Inspector: JCW		l partia	ally submerged 13-2957 US1.	-	
Sampling Results Sample Location: Total Chlorine:	ppm	Floatables: Odor: Turbidity:	None None Cloudy					
Free Chlorine: Ammonia: pH:	ppm ppm units	Color: Gross Solids: Vegetation:	None None	Graffit	ti:	ssessment —		
Temperature Conductivity: Detergents:	° F μS/cm mg/L		Moderate None None	Erosic Depos Dama	sition:	None None None	in.	o20150924121536.JPG <b>2015</b>





13-2957 US1a City of Oshkosh

### Structure Type:

Manhole

### **Discharge Location:**

Downstream Outfall

### NR 216 Class:

Major Outfall - Alternate Location

### Shape:

Manhole/Catchbasin

### Material:

Manhole - concrete

### City ID:

N/A

### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Desktop mapping estimate

■ Not Physically Located



o20181025131944.JPG

### **Outfall Notes:**

Upstream manhole located approx 95 ft W of outfall 13-2957. Constructed before 2018 screening.

County Coordinates: Latitude/Longitude:
Northing: 469,063 Latitude: 44.00626
Easting: 787,886 Longitude: -88.55744



### **Inspection Date:** 10/25/2018 1:21:51 PM **JCW** Previous Rainfall (hrs): 72+ Inspector: Inspection Type: Ongoing Flow Description: Sample collected from submerged pool in Submerged, indeterminate Notes: manhole Submerged: Fully Depth (in): 72 Illicit Discharge Potential: Unlikely Other Petrol. Sheen Suds Sewage Algae Floatables: None Odor: None Petroleum Musty Sewage Chlorine ∇OC/Solvent Fishy Sulfur Fragrant Turbidity: None o20181025131952.JPG Color: None Gross Solids: None Litter ☐ Veg. Debris ☐ Sediment ☐ Other 2018 Vegetation: None Inhibited Excessive Sampling Results Benthic Growth: None Green Brown Sample Location: Pool Stains: Flow Line Oil Rust Stains None Sample ID: 181025-21 Paint Other Time Collected: 13:18 Natural Sheen Natural Suds/Foam Non-illicit: None Total Chlorine (field): 0 ppm Physical Condition Assessment Free Chlorine (field): ppm Graffiti: None Ammonia (field): 0 ppm Erosion: pH (field): units None 7.81 ۰F Deposition: None Depth (in): Temperature (field): 56 Damage: None Conductivity (field): 1178 μS/cm ☐ Displacement ☐ Undercut Crushed Detergents: 0 mg/L Corrosion Cracks/Structural Damage

13-2957 US1 City of Oshkosh

# **Location Map**

# Structure Type: Inlet/Catchbasin **Discharge Location:** Downstream Outfall NR 216 Class: Major Outfall - Alternate Location Shape: Manhole/Catchbasin Material: Manhole - concrete o20161019134240.JPG City ID: 13-2957 **Outfall Notes:** Upstream manhole located approx 57 ft W of outfall **Dimensions** 13-2957. Intermediate area consists of open space Diameter (in): in park.

Easting:

Height/Depth (in): Width (in):

**Mapping Precison:** 

■ Not Physically Located

Mapping GPS



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County Coordinates: Latitude/Longitude:
Northing: 469,054 Latitude: 44.00623

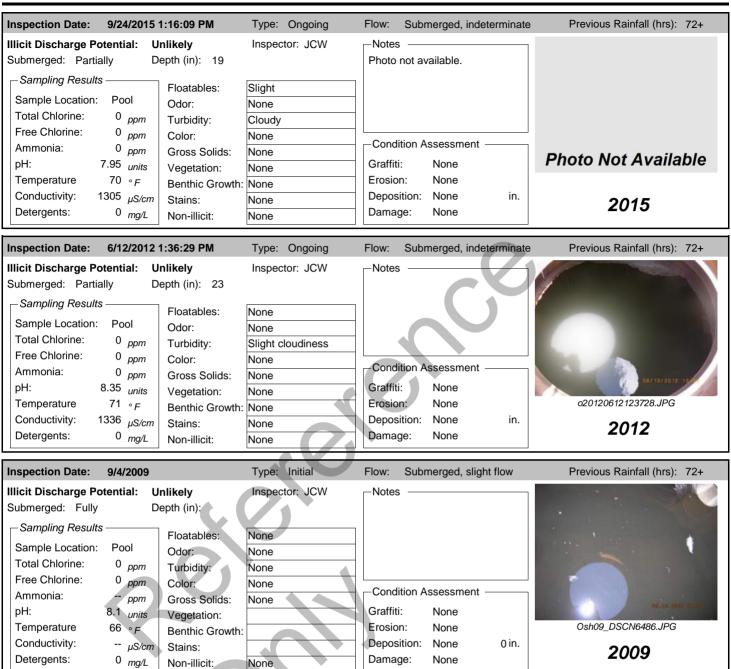
787,925

### Inspection Type: Ongoing **Inspection Date:** 10/19/2016 1:45:38 PM Inspector: **JCW** Previous Rainfall (hrs): 72+ Flow Description: Submerged, slight flow Notes: Submerged: Partially Depth (in): 22 Illicit Discharge Potential: Unlikely Other Floatables: None Petrol. Sheen Suds Sewage Algae Petroleum Odor: None Musty Sewage Chlorine Other VOC/Solvent ☐ Fishy Sulfur Fragrant Turbidity: Slight cloudiness o20161019134250 1.JPG Color: None Gross Solids: None Litter Veg. Debris Sediment Other 2016 Vegetation: None Inhibited Excessive Sampling Results Benthic Growth: None Brown Green Sample Location: Flow Stains: Flow Line Oil Rust Stains None Sample ID: 161019-76 Paint Other Time Collected: 13:46 Natural Sheen Natural Suds/Foam Non-illicit: None Total Chlorine (field): 0 ppm Physical Condition Assessment Free Chlorine (field): ppm Graffiti: None Ammonia (field): 0 ppm Erosion: pH (field): 7.98 units None ۰F Deposition: None Depth (in): Temperature (field): 65 Damage: None Conductivity (field): 1234 μS/cm ☐ Displacement ☐ Undercut Crushed Detergents: 0 mg/L Corrosion Cracks/Structural Damage

Longitude: -88.55729

# Checked by: JCW - 11/28/2016 Page 1 of 2

13-2957 US1 City of Oshkosh



13-3204 City of Oshkosh

Non-Priority Non-Major Outfall

# Structure Type:

Pond Inlet

### **Discharge Location:**

MS4 Stormwater Facility

### NR 216 Class:

Supplemental Outfall

### Shape:

Pipe - Circular

### Material:

**RCP** 

# City ID:

N/A

# -Dimensions

Diameter (in): 48

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181024132624.JPG

### **Outfall Notes:**

Global Pkwy storm sewer discharges to SW corner of detention basin.

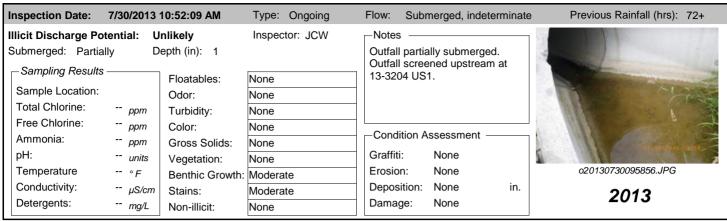
County Coordinates:Latitude/Longitude:Northing:461,402Latitude:43.98520Easting:773,075Longitude:-88.61369





Inspection	Date:	10/24/2018 1:28:5	<b>7 PM</b> In	spector:	JCW	Inspection Type	: Ongoing	Previous Rainfall (hrs):	72+
	•	Submerged, inde		Notes:		partially submerged am at 13-3204 US1.	- screened		-
Submerged:	Part	ially Depth (in	): 2						110
Illicit Disch	arge P	otential: Unlikely							
Floatables:	None		Petrol.	Sheen [	Suds	Sewage A	Algae	r	
Odor:	None		Petrole	um 🗌	Musty	Sewage (	Chlorine  Othe	r	A COMPANY
			UOC/S	olvent [	Fishy	Sulfur F	ragrant		
Turbidity:	None								100
Color:	None							020181024132	710.JPG
Gross Solids	s: N	one	Litter		Veg. Deb	oris Sediment	Other	201	8
Vegetation:	N	one	Inhibite	d 🗌	Excessive	е	Г	-Sampling Results	
Benthic Grov	wth: SI	ight	✓ Green		Brown			Sample Location:	
Stains:	N	one	Flow Li	ne 🗌	Oil	Rust Stains		•	
			Paint		Other			Sample ID:	
Non-illicit:	N	one	☐ Natural	Sheen	☐ Natu	ral Suds/Foam		Time Collected:	
	L	on Assessment —		Cilcon	rtata	rai Gado/i Gaiii		Total Chlorine (field):	<i>ppm</i>
,								Free Chlorine (field):	<i>ppm</i>
Graffiti:		one						Ammonia (field):	ppm
Erosion:		one						pH (field):	units
Deposition		one Depth (in):						Temperature (field):	° <i>F</i>
Damage:	N	one 🗌 Displac	ement 🗌 U	ndercut		Crushed		Conductivity (field):	μS/cm
		Corrosi	on 🗌 C	racks/St	ructural D	amage		Detergents:	mg/L

13-3204 City of Oshkosh



Inspection Date:	9/3/2009	Type: Initial	Flow: None		Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: None  Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature	tential: Unlikely Depth (in) Floatal Odor: ppm Turbid ppm Color: ppm Gross units Vegeta	Inspector: JCW  inspector: JCW  inspector: JCW  inspector: JCW	Condition Assessment Graffiti: None Erosion: None		06.03.2008 08:56 Osh09_DSCN6407.JPG
Conductivity: Detergents:	μS/cm Stains mg/L Non-ill		Deposition: None Damage: None	0 in.	2009

13-3204 US1 City of Oshkosh

# Structure Type:

Manhole

# Discharge Location:

Downstream Outfall

### NR 216 Class:

Supplemental - Alternate Location

### Shape:

Manhole/Catchbasin

### Material:

Manhole - concrete

### City ID:

13-3204

### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

☐ Not Physically Located



o20181024132922.JPG

### **Outfall Notes:**

Upstream manhole located approx 202 ft SW of outfall 13-3204. Intermediate area consists of street right-of-way and grassy vacant lot.

**County Coordinates:** Latitude/Longitude:
Northing: 461,301 Latitude: 43.98493

Northing: 461,301 Latitude: 43.98493 Easting: 772,900 Longitude: -88.61435



Inspection	Date:	10/24/201	18 1:32:00	PM In:	spector:	JCW	Inspec	tion Type:	Ongoing	Previous Rainfall (hrs	): 72+	
Flow Descr	iption	: Submerg	jed, indete	rminate	Notes:			from subm	erged pool in		1	
Submerged:	Part	tially I	Depth (in):	1		manhol	e.					
Illicit Disch	arge P	Potential:	Unlikely									
Floatables:	None			Petrol.	Sheen [	Suds	Sewa	age 🗌 Al	gae 🗌 Other			
Odor:	None			Petrole	_	Musty	Sewa	• —	nlorine   Other			
Turbidity:	None			VOC/S	olvent _	」Fishy	Sulfu	r Fra	agrant			iorserante
Color:	None									0201810241	32936.JF	PG .
Gross Solids	s: N	lone		Litter		Veg. Deb	ris 🗌 Se	diment	Other	20	18	
Vegetation:	Ν	lone		Inhibite	d 🗌	Excessive	е		Г	-Sampling Results		
Benthic Gro	wth: N	lone		Green		Brown				Sample Location: P	ool	
Stains:	Ν	lone		Flow Li		Oil	☐ Ru	st Stains		·	31024-0	1
				Paint		Other				Time Collected: 13	3:32	
Non-illicit:	Ν	lone		Natural	Sheen	■ Natur	ral Suds/F	oam		Total Chlorine (field):	0	ppm
-Physical (	Condit	ion Assessm	nent ——							Free Chlorine (field):	0	ррт
Graffiti:	N	lone								Ammonia (field):	0	ррт
Erosion:	N	lone								pH (field):	7.76	units
Depositio	n: N	lone De	epth (in):							Temperature (field):	53	°F
Damage:	N	lone	Displacer	ment 🔲 U	ndercut		Crushed			Conductivity (field):	762	μS/cm
			Corrosion	n 🗌 C	racks/St	ructural D	amage			Detergents:	0	mg/L

13-3204 US1 City of Oshkosh

Inspection Date:	7/30/2013	11:00:01 AM	Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Pot	tential: l	Jnlikely	Inspector: JCW	-Notes	
Submerged: None		Depth (in):		Manhole dry and clean at time of inspection.	
Sampling Results		Floatables:	None		
Sample Location:		Odor:	None		The state of the s
Total Chlorine:	ppm	Turbidity:	None		and the second
Free Chlorine:	ppm	Color:	None		
Ammonia:	ppm	Gross Solids:	None	Condition Assessment —	
pH:	units	Vegetation:	None	Graffiti: None	
Temperature	∘ <i>F</i>	Benthic Growth:	None	Erosion: None	o20130730100236.JPG
Conductivity:	μS/cm	Stains:	None	Deposition: None in.	2013
Detergents:	mg/L	Non-illicit:	None	Damage: None	2013

13-3204b City of Oshkosh

Non-Priority Non-Major Outfall

# Structure Type:

Closed Pipe Outfall

# Discharge Location:

Water of the State

### NR 216 Class:

Minor Outfall

### Shape:

Pipe - Circular

### Material:

**RCP** 

# City ID:

N/A

# -Dimensions

Diameter (in): 18

Height/Depth (in):

Width (in):

### **Mapping Precison:**

Desktop mapping estimate

■ Not Physically Located

# ap 1720 te

o20181024140304.JPG

### **Outfall Notes:**

Detention basin discharges to stream from west.

County Coordinates:Latitude/Longitude:Northing:461,931Latitude:43.98666Easting:773,640Longitude:-88.61155



Inspection D	Date: 10/24/	2018 2:05:09	PM Inspe	ector: J0	CW Ins	pection Type:	Ongoing	Previous Rainfall (hrs):	72+	
Submerged:	ption: Trickle None  rge Potential:	Depth (in):	N	otes: Sa	ample collec	ted from flow	from pipe.		The second second	
Odor:	None None None		Petrol. She	M	usty   S	ewage 🗌 C	lgae Other	12	0308.JF	PG
Gross Solids: Vegetation: Benthic Grow Stains:	None None		Litter Inhibited Green Flow Line Paint			Sediment [	Other	•	w 024-0	7
Non-illicit:  —Physical C Graffiti: Erosion: Deposition Damage:	None Condition Asses None None : None None	Depth (in): Displacer Corrosior	_	ercut	Natural Sud  Crusher	d		Time Collected: 14: Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field): Detergents:	0 0 0 8.46 54 505	ppm ppm ppm units ° F μS/cm mg/L

13-3224 City of Oshkosh

Non-Priority Non-Major Outfall

### Structure Type:

Closed Pipe Outfall

# Discharge Location:

Water of the State

### NR 216 Class:

Minor Outfall

### Shape:

Pipe - Circular

### Material:

**RCP** 

# City ID:

N/A

# -Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):

### **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181024153556.JPG

### **Outfall Notes:**

Storm sewer from Oakwood Rd discharges to stream from south.

County Coordinates:Latitude/Longitude:Northing:469,762Latitude:44.00814Easting:775,919Longitude:-88.60292



### **Inspection Date:** 10/24/2018 3:38:04 PM Inspector: **JCW** Previous Rainfall (hrs): 72+ Inspection Type: Ongoing Flow Description: Submerged, indeterminate Outfall partially submerged - screened Notes: upstream at 13-3224 US1. Submerged: Partially Depth (in): 18 Illicit Discharge Potential: Unlikely Other Petrol. Sheen Suds ☐ Sewage ☐ Algae Floatables: None Odor: None Petroleum Musty Sewage Chlorine Other ∇OC/Solvent Fishy Sulfur Fragrant Turbidity: None o20181024153602.JPG Color: None Gross Solids: None Litter ☐ Veg. Debris ☐ Sediment ☐ Other 2018 Vegetation: None Inhibited Excessive Sampling Results Benthic Growth: Slight ✓ Green Brown Sample Location: Stains: Flow Line Oil Rust Stains None Sample ID: Paint Other Time Collected: Natural Sheen Natural Suds/Foam Non-illicit: None Total Chlorine (field): ppm Physical Condition Assessment Free Chlorine (field): ppm Ammonia (field): Graffiti: None ppm Erosion: pH (field): None units ۰F Deposition: None Depth (in): Temperature (field): Damage: None Conductivity (field): μS/cm ☐ Displacement ☐ Undercut Crushed Detergents: mg/L Corrosion Cracks/Structural Damage

13-3224 City of Oshkosh

Inspection Date:	6/11/2012 1	11:04:58 AM	Type: Ongoing	Flow:	Subm	nerged, indetern	ninate	e Previous Rainfall (hrs): 72+
Illicit Discharge Pot	ential: U	nlikely	Inspector: JCW	-Note:	· —			NAME OF THE PERSON OF THE PERS
Submerged: Partial	ly Do	epth (in): 12				lly submerged. ned upstream a	t	
Sampling Results		Floatables:	Slight	13-32	24 US1			CAN CONTRACTOR
Sample Location:		Odor:	None					
Total Chlorine:	ppm	Turbidity:	None					
Free Chlorine:	ppm	Color:	None					
Ammonia:	ppm	Gross Solids:	Slight	Cond	ition As	ssessment —		
pH:	units		None	Graffit	i:	None		
Temperature	∘ <i>F</i>	Benthic Growth:	Moderate	Erosio	n:	None		o20120611100546.JPG
Conductivity:	μS/cm	Stains:	Moderate	Depos	ition:	None	in.	2012
Detergents:	mg/L	Non-illicit:	Slight	Dama	ge:	None		2012

13-3224 US1 City of Oshkosh

# Structure Type:

Inlet/Catchbasin

# Discharge Location:

Downstream Outfall

### NR 216 Class:

Minor Outfall - Alternate Location

### Shape:

Manhole/Catchbasin

### Material:

Manhole - concrete

# City ID:

13-3224

### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181024153758.JPG

### **Outfall Notes:**

Upstream curb inlet located approx 35 ft SW of outfall 13-3224. Intermediate area consists of street right-of-way.

County Coordinates: Latitude/Longitude:

Northing: 469,738 Latitude: 44.00808 Easting: 775,895 Longitude: -88.60302



Inspection I	Date:	10/24/20	18 3:40:08	<b>PM</b> In	spector:	JCW	Inspection	on Type:	Ongoing	Previous Rainfall (hrs)	: 72+	
Flow Descri Submerged:	-		ged, indeton		Notes:	Sample manhole		om subm	erged pool in		1	
Illicit Discha	arge l	Potential:	Unlikely									
Floatables:	None			Petrol.	Sheen _	Suds	☐ Sewag	e 🗌 Alç	gae 🗌 Othei	38.	1	-
Odor:	None			Petrole VOC/S	_	Musty Fishy	Sewag	_	nlorine 🗌 Othei agrant	1		
Turbidity:	None			_		,	_		•			TO HAVE WARE
Color:	None									o2018102415	3804.JF	PG
Gross Solids	s: S	Slight		Litter	<b>✓</b> \	√eg. Debi	ris 🗌 Sed	ment	Other	20	18	
Vegetation:	١	lone		Inhibite	ed 🗌 I	Excessive	e		Г	-Sampling Results ——		
Benthic Grov	wth: N	lone		Green	I	Brown				Sample Location: Po	۵l	
Stains:	Ν	lone		Flow Li		Oil	Rus	Stains		·	01 1024-7	В
				Paint		Other				Time Collected: 15	:38	
Non-illicit:	S	Slight		✓ Natura	l Sheen	Natur	al Suds/Fo	am		Total Chlorine (field):	0	ppm
-Physical (	Condi	tion Assessn	ment —							Free Chlorine (field):	0	ррт
Graffiti:	١	lone								Ammonia (field):	0	ppm
Erosion:	١	lone								pH (field):	7.48	units
Deposition	n: N	lone D	epth (in):							Temperature (field):	54	°F
Damage:	١	lone _	Displace		Indercut		Crushed			Conductivity (field): Detergents:	956 0	μS/cm mg/l
			Corrosio	n 📙 C	Cracks/Str	uctural Da	amage			Detergents.	U	mg/L

13-3224 US1 City of Oshkosh

Inspection Date: 6/11/2012	2 11:13:34 AM	Type: Ongoing	Flow: Sul	bmerged, indetermina	ate Previous Rainfall (hrs): 72+
•	<b>Unlikely</b> Depth (in): 18	Inspector: JCW	-Notes -		
Sampling Results  Sample Location: Pool	Floatables:	None			
Total Chlorine: 0 ppm	Odor: Turbidity:	None None	_		
Free Chlorine: 0 ppm Ammonia: 0 ppm	Color: Gross Solids:	None Slight	Condition	Assessment —	
pH: 7.28 <i>units</i>	Vegetation:	None	Graffiti: Erosion:	None None	o20120611101304.JPG
Temperature 71 $_{\circ}F$ Conductivity: 1148 $_{\mu\text{S/cn}}$	Benthic Growth:  Stains:	None Slight	Deposition		
Detergents: 0 mg/L	Non-illicit:	None	Damage:	None	2012

13-3488 City of Oshkosh

Non-Priority Non-Major Outfall

### Structure Type:

Pond Inlet

### **Discharge Location:**

MS4 Stormwater Facility

### NR 216 Class:

Supplemental Outfall

### Shape:

Pipe - Elliptical

### Material:

RCP

# City ID:

N/A

### **Dimensions**

Diameter (in):

Height/Depth (in): 29

Width (in):

# **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181024144038.JPG

### **Outfall Notes:**

Oakwood Rd storm sewer discharges to SE corner of detention basin.

**County Coordinates:** Latitude/Longitude: Northing: Latitude: 43.99019 463,215 Easting: 776,270 Longitude: -88.60156

**Location Map** 



### **Inspection Date:** 10/24/2018 2:42:24 PM **JCW** Previous Rainfall (hrs): 72+ Inspector: Inspection Type: Ongoing Flow Description: Submerged, indeterminate Outfall partially submerged - outfall screened Notes: upstream at 13-3488 US1. Submerged: Partially Depth (in): 22 Illicit Discharge Potential: Unlikely Other Petrol. Sheen Suds ☐ Sewage ☐ Algae Floatables: None Odor: None Petroleum Musty Sewage Chlorine ∇OC/Solvent Fishy Sulfur Fragrant Turbidity: None o20181024144042.JPG Color: None Gross Solids: None Litter ☐ Veg. Debris ☐ Sediment ☐ Other 2018 Vegetation: None Inhibited Excessive Sampling Results Benthic Growth: Slight ✓ Green Brown Sample Location: Stains: Flow Line Oil Rust Stains None Sample ID: Paint Other Time Collected: Natural Sheen Natural Suds/Foam Non-illicit: None Total Chlorine (field): ppm Physical Condition Assessment Free Chlorine (field): ppm Ammonia (field): Graffiti: None ppm Erosion: pH (field): None units ۰F Deposition: None Depth (in): Temperature (field): Damage: None Conductivity (field): μS/cm ☐ Displacement ☐ Undercut Crushed Detergents: mg/L Corrosion Cracks/Structural Damage

13-3488 City of Oshkosh

Inspection Date:	7/30/2013 9	9:27:18 AM	Type: Ongoing	Flow:	Submerged, indete	erminate	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Partia	lly D	nlikely epth (in): 16	Inspector: JCW		s I partially submerged I screened upstream		
Sampling Results Sample Location: Total Chlorine:	ppm	Odor:	None None None		88 US1.		
Free Chlorine: Ammonia: pH: Temperature	ppm ppm units ° F	Gross Solids: Vegetation:	None Slight None	- Cond Graffit			020130730083416.JPG
Conductivity: Detergents:	μS/cm mg/L	Stains:	Slight Slight None	Depos	sition: None	in.	2013

13-3488 US1 City of Oshkosh

### Structure Type:

Manhole

### Discharge Location:

Downstream Outfall

### NR 216 Class:

Supplemental - Alternate Location

### Shape:

Manhole/Catchbasin

### Material:

Manhole - concrete

### City ID:

13-3488

### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# Mapping Precison:

Mapping GPS

■ Not Physically Located



o20181024144156.JPG

### **Outfall Notes:**

Upstream manhole located approx 53 ft E of outfall 13-3488. Intermediate area consists of street right-of-way.

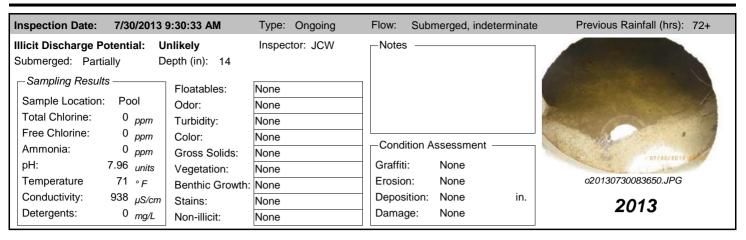
County Coordinates: Latitude/Longitude:

Northing: 463,207 Latitude: 43.99017 Easting: 776,323 Longitude: -88.60136



### **Inspection Date:** 10/24/2018 2:44:03 PM **JCW** Previous Rainfall (hrs): 72+ Inspector: Inspection Type: Ongoing Flow Description: Submerged, indeterminate Sample collected from submerged pool in Notes: manhole Submerged: Partially Depth (in): 20 Illicit Discharge Potential: Unlikely Other Petrol. Sheen Suds Sewage Algae Floatables: None Odor: None Petroleum Musty Sewage Chlorine Other ∇OC/Solvent Fishy Sulfur Fragrant Turbidity: None o20181024144200.JPG Color: None Gross Solids: None Litter ☐ Veg. Debris ☐ Sediment ☐ Other 2018 Vegetation: None Inhibited Excessive Sampling Results Benthic Growth: Slight ✓ Green Brown Sample Location: Pool Stains: Flow Line Oil Rust Stains None Sample ID: 181024-93 Paint Other Time Collected: 14:43 Natural Sheen Natural Suds/Foam Non-illicit: None Total Chlorine (field): 0 ppm Physical Condition Assessment Free Chlorine (field): ppm Graffiti: None Ammonia (field): 0 ppm Erosion: pH (field): units None 7.53 ۰F Deposition: None Depth (in): Temperature (field): 55 Damage: None Conductivity (field): 1815 μS/cm ☐ Displacement ☐ Undercut Crushed Detergents: 0 mg/L Corrosion Cracks/Structural Damage

13-3488 US1 City of Oshkosh



13-3774 City of Oshkosh

Priority Outfall

# Structure Type:

Closed Pipe Outfall

### Discharge Location:

MS4 Stormwater Facility

# NR 216 Class:

Supplemental Outfall

### Shape:

Pipe - Circular

### Material:

**RCP** 

# City ID:

N/A

### -Dimensions

Diameter (in): 66

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

☐ Not Physically Located



o20181025072216.JPG

### **Outfall Notes:**

Storm sewer from Koeller St and Menard Dr discharges to west side of detention basin.

County Coordinates:Latitude/Longitude:Northing:468,701Latitude:44.00525Easting:782,214Longitude:-88.57900



Inspection	Date: 10/26	6/2018 12:50:	27 PM	Inspector:	KMK	Inspec	tion Type:	Repeat	Previous Rainfall (hrs	): 72+	
Flow Descr	iption: Trick	le		Notes:			on follow-u	•		1	1
Submerged:	None	Depth (in	ı):		screen	ing conduc	ted beyond	d sampling.			No.
Illicit Disch	arge Potentia	I: Potentia	I								
Floatables:	Slight		Petro	ol. Sheen [	Suds	Sewa	age 🗸 Al	gae 🗌 Othe	r		
Odor:	None			oleum [	☐ Musty ☐ Fishv	Sewa		hlorine  Othe	r		A Long
Turbidity:	None			, corvert	_ 1 ISHIY		"	agrant			
Color:	None		]						o201810250	72226.JF	PG
Gross Solids	s: None		Litte	r 🗌	Veg. Deb	oris 🗌 Se	ediment	Other	20	18	
Vegetation:	None		Inhib	oited	Excessiv	re		Г	-Sampling Results		
Benthic Gro	wth: None		Gree	en 🗌	Brown				Sample Location: FI	ow	
Stains:	Slight		<b>✓</b> Flow		Oil	☐ Ru	ust Stains		•	31026-17	7
			Pain	t	Other				·	2:50	
Non-illicit:	None		☐ Natu	ral Sheen	☐ Natu	ıral Suds/F	oam		Total Chlorine (field):	0	ppm
-Physical (	Condition Asse	essment —					]		Free Chlorine (field):	0	ррт
Graffiti:	None								Ammonia (field):	0	ppm
Erosion:	None								pH (field):	7.91	units
Depositio	n: None	Depth (in):							Temperature (field):	56	°F
Damage:	None	☐ Displac	ement	Undercut		Crushed			Conductivity (field):	1745	μS/cm
		Corrosi	on	Cracks/St	ructural D	Damage			Detergents:	0.85	mg/L

13-3774 City of Oshkosh



Erosion:

Damage:

Deposition:

None

None

None

in.

o20150928090940.JPG

2015

Temperature

Conductivity:

Detergents:

70 ∘ F

μS/cm

0 mg/L

455

Benthic Growth:

Stains:

Non-illicit:

Moderate

Slight

None

Priority Outfall

# Structure Type:

Closed Pipe Outfall

# Discharge Location:

Water of the State

### NR 216 Class:

Major Outfall

### Shape:

Pipe - Circular

### Material:

**RCP** 

# City ID:

N/A

# -Dimensions

Diameter (in): 27

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

■ Not Physically Located

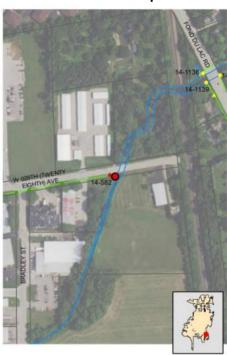


o20181022123452.JPG

### **Outfall Notes:**

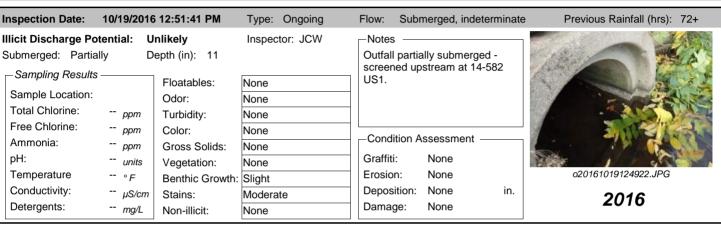
 $\ensuremath{\mathsf{W}}.$  28th Ave storm sewer discharges to stream from west.

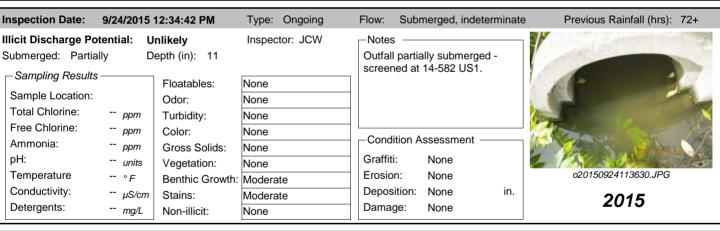
County Coordinates:Latitude/Longitude:Northing:462,013Latitude:43.98693Easting:793,247Longitude:-88.53705

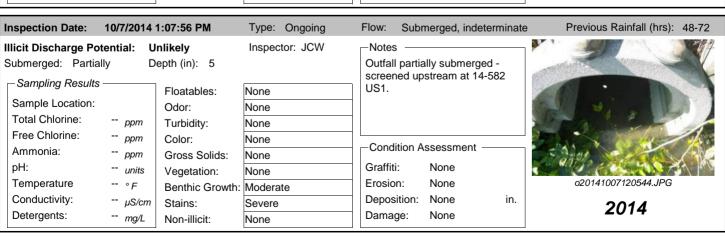


Inspection	Date	: 10/22/2	018 12:38:	55 PM li	nspector:	JCW	Inspection	n Type:	Ongoing	Previous Rainfall (hrs):	48-72
Flow Descr Submerged:			erged, indet Depth (in)		Notes:		partially subn m at 14-582		screened		1
Illicit Disch	arge	Potential:	Unlikely								
Floatables:	Non	e		Petrol.	Sheen	Suds	Sewage	e 🗌 Alq	gae 🗌 Other		
Odor:	Non	е		Petrol	eum [ Solvent [	☐ Musty ☐ Fishy	Sewage Sulfur	_	nlorine		
Turbidity:	Non	е								A CARLON	10/22/2018
Color:	Non	е								o201810221230	600.JPG
Gross Solids	s:	None		Litter		Veg. Deb	ris 🗌 Sedir	ment [	Other	201	8
Vegetation:		None		Inhibit	ed 🗌	Excessive	е			Sampling Results ———	
Benthic Gro	wth:	Severe		✓ Green		Brown				Sample Location:	
Stains:		Slight		✓ Flow L	ine 🗌	Oil	Rust	Stains		Sample ID:	
				Paint		Other				Time Collected:	
Non-illicit:		None		☐ Natura	l Sheen	■ Natur	ral Suds/Foar	m		Total Chlorine (field):	ppm
-Physical	Cona	lition Assess	sment —							Free Chlorine (field):	ppm
Graffiti:		None								Ammonia (field):	ppm
Erosion:		None								pH (field):	units
Depositio	n:	None	Depth (in):							Temperature (field):	° <i>F</i>
Damage:		None	Displace	ement [	Undercut		Crushed			Conductivity (field):	μS/cm
			Corrosic	on 🗌	Cracks/St	ructural D	amage			Detergents:	mg/L

nspection Date:	10/18/2017	12:59:00 PM	Type: Ongoing	Flow:	Submerged,	indeterminat	e Previous Rainfall (hrs): 72+
Ilicit Discharge Pot	ential: U	nlikely	Inspector: JCW	-Notes			
Submerged: Partial	•	epth (in): 8			partially submed upstream a		
—Sampling Results		Floatables:	None	US1.			
Sample Location:		Odor:	None				A
Total Chlorine:	ppm	Turbidity:	None				
Free Chlorine:	ppm	Color:	None				ment of the second
Ammonia:	ppm	Gross Solids:	None	- Condi	tion Assessm	ent ———	
pH:	units	Vegetation:	None	Graffiti	: None		- Control of the cont
Temperature	∘ <i>F</i>	Benthic Growth:	Moderate	Erosio	n: None		o20171018125442.JPG
Conductivity:	μS/cm	Stains:	Moderate	Depos	ition: None	in.	2017
Detergents:	mg/L	Non-illicit:	None	Damag	ge: None		2017

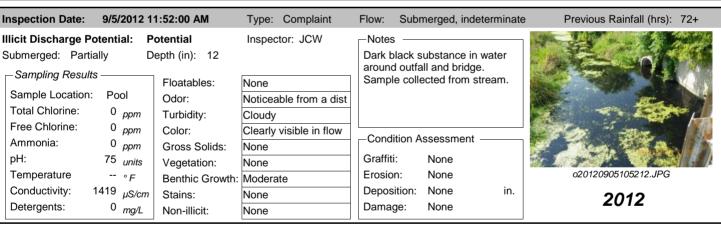


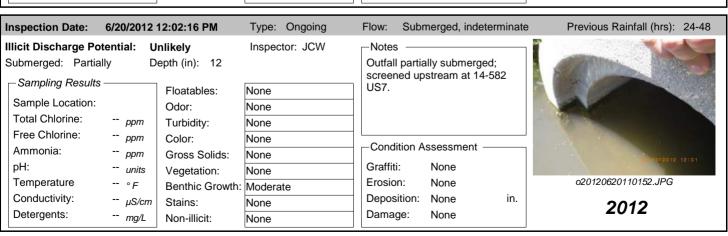


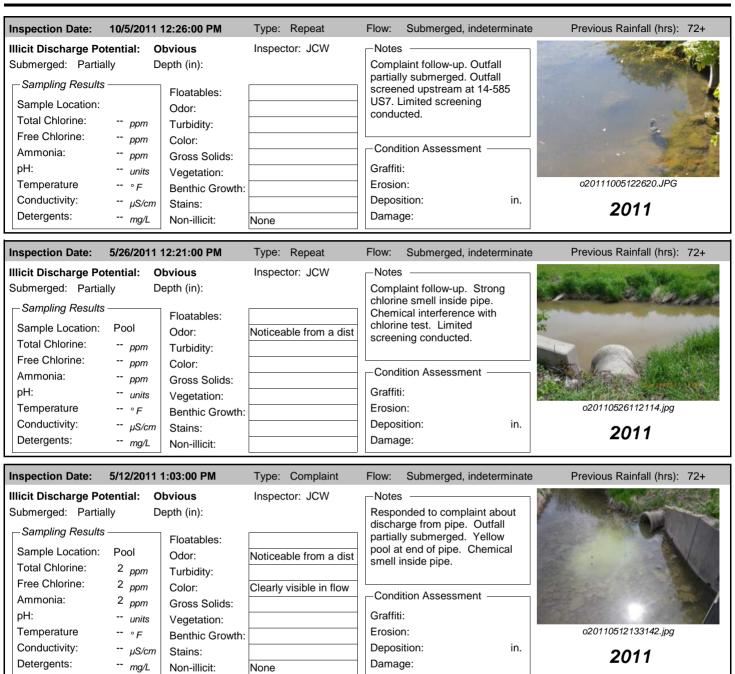


Inspection Date:	7/31/2013	10:23:22 AM	Type: Ongoing	Flow:	Submerged, slight	flow	Previous Rainfall (hrs): 72+		
Illicit Discharge Potential: Unlikely Inspector: JCW					s ————	_			
Submerged: Partial	•	epth (in): 11			I partially submerged I screened upstream				
Sampling Results Floatables:			None	14-58	2 US1.				
Sample Location: Odor:			None						
Total Chlorine:	Chlorine: ppm Turbidity:		None						
Free Chlorine:	ppm	Color:	None	00000	:::				
Ammonia:	nia: ppm Gross So		None	Condition Assessment —					
pH:	units	Vegetation:	None	Graffit	i: None				
Temperature	∘ <i>F</i>	Benthic Growth:	Slight	Erosic	n: None		o20130731092642.JPG		
Conductivity:	μS/cm	Stains:	Slight	Depos	sition: None	in.	2013		
Detergents:	mg/L	Non-illicit:	None	Dama	ge: None		2013		

Inspection Date:	9/27/2012 1	11:43:23 AM	Type: Repeat	Flow:	Submerged, sligh	nt flow	Previous Rainfall (hrs): 72+		
Illicit Discharge Potential: Potential Inspector: JCW Submerged: Partially Depth (in): 6  Sampling Results					e sheen on surfac	e of			
Sample Location: Total Chlorine:	Pool 0 <sub>ppm</sub>	Floatables: Odor: Turbidity:	None None None		rged; additional ing upstream at 14	4-582			
Free Chlorine: Ammonia: pH:	0 <sub>ppm</sub> 0 <sub>ppm</sub> 7.77 <sub>units</sub>	Color: Gross Solids: Vegetation:	None None None		tion Assessment : None		Q8/27/2007 (1)39		
Temperature Conductivity: 1 Detergents:	64 ° F 077 <sub>µS/cm</sub> 0 <sub>mg/L</sub>		Moderate Severe None	Erosion Deposi Damag	ition: None	in.	o20120927103918.JPG <b>2012</b>		







# Structure Type:

Manhole

# **Discharge Location:**

Downstream Outfall

### NR 216 Class:

Major Outfall - Alternate Location

### Shape:

Manhole/Catchbasin

# Material:

Manhole - concrete

### City ID:

14-582

### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

# **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181022123918.JPG

# **Outfall Notes:**

Upstream manhole located approx 27 ft WNW of outfall 14-582. Intermediate area consists of street right-of-way.

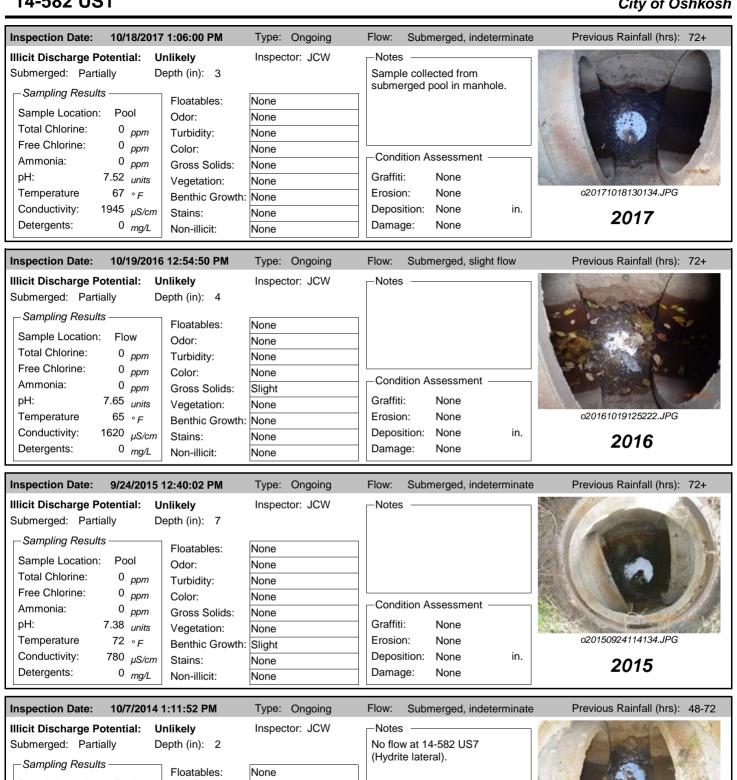
**County Coordinates:** Latitude/Longitude:

Northing: 462,023 Latitude: 43.98696 Easting: 793,221 Longitude: -88.53715



Inspection I	Date: 10/22/	2018 12:42:	<b>16 PM</b> In	spector:	JCW	Inspect	tion Type:	Ongoing	Previous Rainfall (hr	s): 48-7	72
Flow Description: Submerged, indeterminate  Notes: Sample collected from submerged pool in manhole.									1	11	
Submerged: Partially Depth (in): 9											
Illicit Discharge Potential: Unlikely											
Floatables:	None		Petrol.	Sheen [	Suds	Sewa	ge 🗌 Al	gae			
Odor:	None		Petrole	_	Musty	Sewa	-	nlorine Othe			3/ 18
Turbidity:	None		☐ VOC/S	orvent _	」Fishy	Sulfu	FI	agrant			10/22/2010
Color:	None								o20181022	123926.JF	PG
Gross Solids	: None		Litter		Veg. Deb	oris 🗌 Se	diment [	Other	20	18	
Vegetation:	None		Inhibite	ed 🗌	Excessiv	е		Γ	-Sampling Results		
Benthic Grov	vth: Slight		Green	<b>✓</b>	Brown				Sample Location: F	ool	
Stains:	None		☐ Flow Line ☐ Oil ☐ Rust Stains					Sample ID: 181022-44			
			Paint		Other				Time Collected: 1	2:40	
Non-illicit:	None		Natura	l Sheen	☐ Natu	ral Suds/Fo	oam		Total Chlorine (field):	0	ppm
Physical (	Condition Asses	ssment —							Free Chlorine (field):	0	ррт
Graffiti:	None								Ammonia (field):	0	ppm
Erosion:	None								pH (field):	7.03	units
Deposition	n: None	Depth (in):							Temperature (field):	58	°F
Damage:	None	Displace	ement 🗆 L	Indercut		Crushed			Conductivity (field):	1580	μS/cm
		Corrosio		Cracks/St					Detergents:	0	mg/L

14-582 US1 City of Oshkosh



ŭ	- Hig/L	NOTI-IIIICIL.	None	Ū				
Inspection Date:	10/7/2014 1	:11:52 PM	Type: Ongoing	Flow: Sub	merged, indetern	ninate	Previous Rainfall (hrs): 48-72	
Illicit Discharge Pote	ential: Ur	nlikely	Inspector: JCW	-Notes -		0	A STATE OF THE PARTY OF THE PAR	
Submerged: Partiall		No flow at 1 (Hydrite late		00				
Sampling Results -		Floatables:	None	(riyanto late	nui).			
Sample Location:	Pool	Odor:	None					
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None					
Free Chlorine:	0 <sub>ppm</sub>	Color:	None			141		
Ammonia:	0 <sub>ppm</sub>	Gross Solids:	None	Condition A	Assessment ——			
pH: 7.	.73 <sub>units</sub>	Vegetation:	None	Graffiti:	None			
Temperature	∘ <i>F</i>	Benthic Growth:	None	Erosion:	None		o20141007120930.JPG	
Conductivity: 14	l81 <sub>μS/cm</sub>	Stains:	Slight	Deposition:	None	in.	2014	
Detergents:	0 <sub>mg/L</sub>		None	Damage:	None		2014	

14-582 US1 City of Oshkosh

Inspection Date: 7/31/2013 10	D:27:12 AM	Type: Ongoing	Flow:	Submerged, inde	terminate	Previous Rainfall (hrs): 72+
•	<b>likely</b> pth (in): 5	Inspector: JCW	-Notes			
Comple Leastion, Deal		Slight				
Total Chlorine: 0 ppm		None None				
A	Color: Gross Solids:	None None	Condi	tion Assessment -		1/2013 10130
Taman a matuma 70	Vegetation: Benthic Growth:	None	Graffiti Erosio			o20130731093036.JPG
Conductivity: 1403 µS/cm	Stains:	Slight	Deposi	tion: None	in.	2013
Detergents: 0 mg/L	Non-illicit:	None	Damag	ge: None		

14-999 City of Oshkosh

Priority Outfall

### Structure Type:

Closed Pipe Outfall

### Discharge Location:

Water of the State

#### NR 216 Class:

Major Outfall

### Shape:

Pipe - Circular

#### Material:

**RCP** 

# City ID:

N/A

### -Dimensions

Diameter (in): 48

Height/Depth (in):

Width (in):

### **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181022130142.JPG

#### **Outfall Notes:**

Hughes St storm sewer discharges to stream from north.

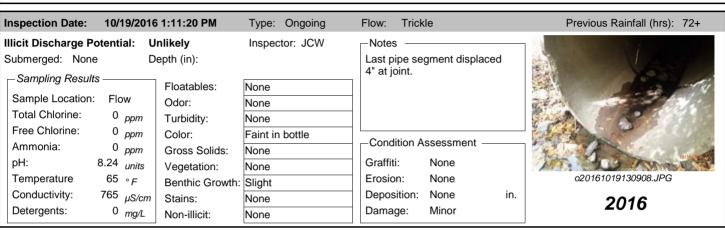
County Coordinates:Latitude/Longitude:Northing:462,824Latitude:43.98915Easting:791,411Longitude:-88.54403

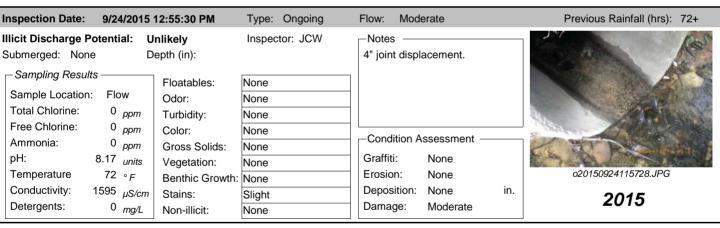


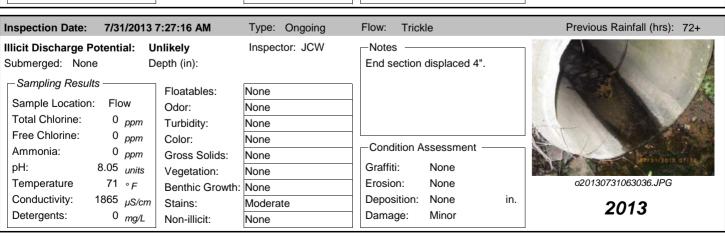
Inspection Date: 10/22/2018 1:04:11 PM Inspector	T: JCW Inspection Type: Ongoing Previous Ra	ainfall (hrs): 48-72
Flow Description: Submerged, slight flow Submerged: Partially Depth (in): 3 Illicit Discharge Potential: Unlikely	end of pipe. 4" joint displacement.	
Floatables: None Petrol. Sheen Odor: None Petroleum VOC/Solvent Turbidity: None Color: None	☐ Musty ☐ Sewage ☐ Chlorine ☐ Other ☐ Fishy ☐ Sulfur ☐ Fragrant	20181022130156.JPG
Gross Solids: None Litter  Vegetation: None Inhibited  Benthic Growth: None Green  Stains: None Paint  Paint	Veg. Debris Sediment Other  Excessive  Brown  Oil Rust Stains  Other  Sampling Res  Sample Loca Sample ID:	ation: Flow 181022-54
Non-illicit:  None  Physical Condition Assessment  Graffiti:  None  Erosion:  Deposition:  Minor  Depth (in):  Damage:  Moderate  Corrosion  Cracks/S	Total Chlorin Free Chlorine Ammonia (fie pH (field): Temperature	ne (field): 0 ppm e (field): 0 ppm eld): 0 ppm 7.62 units e (field): 57 ° F

14-999 City of Oshkosh

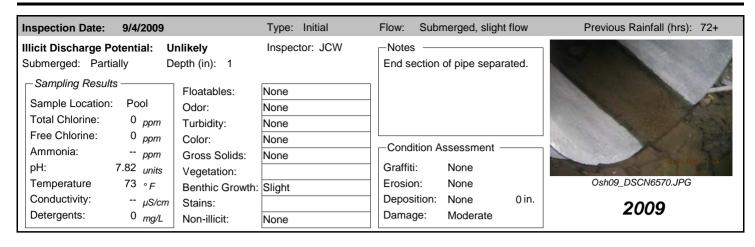
Inspection Date:	10/19/20	17 11:55:23 AM	Type: Ongoing	Flow:	Submerge	ed, indeterminate	Previous Rainfall (hrs): 72+	
Illicit Discharge Po	otential:	Unlikely	Inspector: JCW	-Notes	. ———	1		
Submerged: Partic	,	Depth (in): 2			am manho			
Sampling Result	s ———	Floatables:	None	subme	rged pool	at end of		
Sample Location:	Flow	Odor:	None		i" joint disp ied concret	lacement and		
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None	uamag	jeu concrei	ie.		
Free Chlorine:	0 <sub>ppm</sub>	Color:	None	0 1				
Ammonia:	0 <sub>ppm</sub>	Gross Solids:	None	_ Cond	tion Asses	sment —		
pH:	8.1 <sub>units</sub>	Vegetation:	None	Graffiti	: Nor	ne		
Temperature	62 ∘ <sub>F</sub>	Benthic Growth:	Slight	Erosio	n: Nor	ne	o20171019115316.JPG	
Conductivity:	725 <sub>μS/cr</sub>	m Stains:	None	Depos	ition: Nor	ne in.	2017	
Detergents:	0 <sub>mg/L</sub>	Non-illicit:	None	Damag	ge: Mod	derate	2017	







14-999 City of Oshkosh



14-1514 City of Oshkosh

Priority Outfall

### Structure Type:

Closed Pipe Outfall

### **Discharge Location:**

Adjacent Municipality

#### NR 216 Class:

Minor Outfall

### Shape:

Pipe - Circular

#### Material:

CMP

# City ID:

N/A

### -Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):

### **Mapping Precison:**

Desktop mapping estimate

■ Not Physically Located

o20181022124754.JPG

#### **Outfall Notes:**

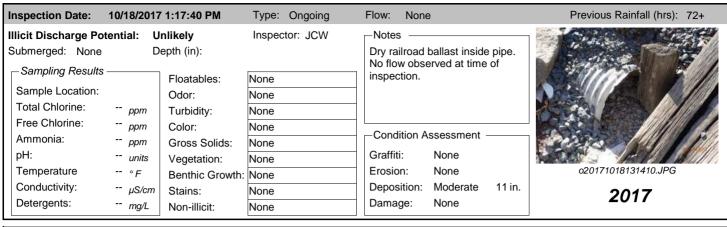
Swale on south side of Waukau Ave discharges to railroad right-of-way via 24" CMP culvert.

County Coordinates:Latitude/Longitude:Northing:459,943Latitude:43.98125Easting:792,565Longitude:-88.53964



Inspection	Date: 10/22	/2018 12:50:30	PM Inspe	ector: JCW	Inspection Type	: Ongoing	Previous Rainfall (hrs):	48-72
Flow Descr	iption: None		No	otes: Sedimo	ent in pipe damp, bu	t no flow at time		
Submerged:	None	Depth (in):		от шар	colon.			1 1 1 A
Illicit Disch	arge Potential	: Unlikely						
Floatables:	None		Petrol. She	een 🗌 Suds	Sewage A	Algae		
Odor:	None		Petroleum	☐ Musty	Sewage 0	Chlorine  Other		
			VOC/Solve	ent  Fishy	Sulfur F	ragrant		Photos State
Turbidity:	None						27 LESSE	4 170
Color:	None						o201810221248	302.JPG
Gross Solids	s: None		Litter	Ueg. Del	oris Sediment	Other	2018	8
Vegetation:	None		Inhibited	Excessiv	re	Г	Sampling Results ———	
Benthic Grov	wth: None		Green	Brown			Sample Location:	
Stains:	None		Flow Line	Oil	Rust Stains		Sample ID:	
			Paint	Other			•	
Non-illicit:	None		Natural Sh	een 🗌 Natu	ıral Suds/Foam		Time Collected:	
	Condition Asse	oomont .			a. Gaas, Gain		Total Chlorine (field):	<i>ppm</i>
,		ssmem ——					Free Chlorine (field):	<i>ppm</i>
Graffiti:	None						Ammonia (field):	ppm
Erosion:	None						pH (field):	units
Deposition		Depth (in): 1	11				Temperature (field):	° <i>F</i>
Damage:	None	Displacem	nent 🗌 Unde	ercut 🔲	Crushed		Conductivity (field):	μS/cm
		Corrosion	Crac	ks/Structural [	Damage		Detergents:	mg/L

14-1514 City of Oshkosh



Inspection Date:	10/19/2016	12:41:44 PM	Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Por Submerged: None	De	nlikely epth (in):	Inspector: JCW	Notes  Corrugations wet, but no flow.  10" of stone in end of pipe. RR	
Sampling Results  Sample Location:  Total Chlorine:  Floatables: Odor: Turbidity:			None None None	ties obstructing end.	
Free Chlorine: Ammonia: pH: Temperature	ppm ppm units ° F	Gross Solids:	None None Slight	Condition Assessment  Graffiti: None Erosion: None	o20161019124104.JPG
Conductivity: Detergents:	μS/cm mg/L	Stains:	None None	Deposition: Moderate 10 in. Damage: None	2016

Inspection Date:	9/24/2015 1	12:22:34 PM	Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Pot Submerged: None	De	nlikely epth (in):	Inspector: JCW	Notes Partially filled with stone.	
Sampling Results Sample Location:			None		
Total Chlorine:	ppm		None None	_	<b>以</b> 《医疗证》
Free Chlorine: Ammonia:	ppm ppm		None None	Condition Assessment	
pH:	units		None	Graffiti: None	NOTE OF THE PARTY
Temperature Conductivity:	° F μS/cm	Benthic Growth: Stains:	None None	Erosion: None Deposition: Moderate 10 in.	o20150924112622.JPG
Detergents:	mg/L		None	Damage: None	2015

15-143 City of Oshkosh

Priority Outfall

### Structure Type:

Pond Inlet

#### **Discharge Location:**

MS4 Stormwater Facility

#### NR 216 Class:

Supplemental Outfall

#### Shape:

Pipe - Circular

### Material:

**RCP** 

### City ID:

N/A

#### -Dimensions

Diameter (in): 42

Height/Depth (in):

Width (in):

### **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181025123000.JPG

#### **Outfall Notes:**

Storm sewer from W Murdock Ave discharges to SW corner of detention basin. MS4 mapping does not show distinction from 15-146.

County Coordinates: Latitude/Longitude:

Northing: 481,232 Latitude: 44.03965 Easting: 792,363 Longitude: -88.54045



Inspection	Date	: 10/25/201	8 12:32:2	27 PM	nspector:	JCW	Inspect	ion Type:	Ongoing	Previous Rainfall (hrs	): 72+	
Flow Descr	iptio	n: Submerg	ed, sligh	t flow	Notes:			rom subm	nerged flow at		1	
Submerged	: Pa	rtially [	Depth (in)	: 8		end of p	pipe.					
Illicit Disch	arge	Potential:	Unlikely									
Floatables:	Non	е		Petrol	. Sheen [	Suds	Sewa	ge 🗌 Al	gae 🗌 Other			
Odor:	Non	е		Petroleum Musty Sewage Chlorine Other VOC/Solvent Fishy Sulfur Fragrant								
Turbidity:	Non	е			20.10.II.	joy	• • • • • • • • • • • • • • • • • •		ag. a.i.		-	matam
Color:	Non	е								o201810251	23012.JF	PG
Gross Solid	s:	None		Litter		Veg. Deb	oris 🗌 Sec	diment [	Other	20	18	
Vegetation:		None		Inhibit	ed	Excessiv	е		Г	-Sampling Results ——		
Benthic Gro	wth:	Slight		✓ Green		Brown				Sample Location: FI	ow	
Stains:		None		☐ Flow Line ☐ Oil ☐ Rust Stains						•	31025-87	7
				Paint Other					•	2:32	'	
Non-illicit:		None		Natura	al Sheen	☐ Natu	ral Suds/Fo	am		Total Chlorine (field):	0	ppm
-Physical	Cona	lition Assessm	nent —							Free Chlorine (field):	0	ррт
Graffiti:		None								Ammonia (field):	0	ppm
Erosion:		None								pH (field):	7.66	units
Depositio	n:	None De	epth (in):							Temperature (field):	57	° F
Damage:		None	Displace	ement	Undercut		Crushed			Conductivity (field):	1700	μS/cm
			Corrosio	n 🗌	Cracks/St	ructural D	amage			Detergents:	0	mg/L

15-143 City of Oshkosh



15-143 City of Oshkosh

Inspection Date: 5/12/2011	12:43:00 PM	Type: Other	Flow:	Submerged, indetermina	ate Previous Rainfall (hrs): 48-72
· · · · · · · · · · · · · · · · · · ·	repth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	Inspector: JCW	Outfall 15-143	partially submerged. screened upstream at US1.  tion Assessment None n: None tion: None 0 in.	o20110512124336.JPG 2011

15-146 City of Oshkosh

Priority Outfall

### Structure Type:

Pond Inlet

### Discharge Location:

MS4 Stormwater Facility

#### NR 216 Class:

Supplemental Outfall

### Shape:

Pipe - Circular

#### Material:

**RCP** 

# City ID:

N/A

#### -Dimensions

Diameter (in): 36

Height/Depth (in):

Width (in):

### **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181025123740.JPG

#### **Outfall Notes:**

Storm sewer from W Murdock Ave discharges to SW corner of detention basin.

County Coordinates:Latitude/Longitude:Northing:481,251Latitude:44.03970Easting:792,398Longitude:-88.54032



Inspection	Date: 10/2	5/2018 12:40:18 PM Ir	nspector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descr Submerged:		merged, slight flow Depth (in): 6	Notes: Sample end of	e collected from subm pipe.	nerged flow at	-	
Illicit Disch	arge Potentia	l: Unlikely					
Floatables:	None	Petrol.	Sheen Suds	Sewage Al	gae 🗌 Other		
Odor:	Easily detected	ed Petrole	eum Musty	Sewage Cl	hlorine   Other		
		U VOC/S	Solvent  Fishy	✓ Sulfur	agrant		
Turbidity:	None					-00404005400	750 100
Color:	None					o20181025123	750.JPG
Gross Solids	s: None	Litter	Ueg. De	bris Sediment	Other	201	8
Vegetation:	None	Inhibite	ed Excessiv	/e	_	Sampling Results ———	
Benthic Gro	wth: Slight	<b>✓</b> Green	Brown			Sample Location: Flow	,
Stains:	None	☐ Flow L	ine 🗌 Oil	Rust Stains		•	)25-14
		Paint	Other			•	
Non-illicit:	None	Natura	I Sheen  Natu	ural Suds/Foam		Time Collected: 12:4	-
⊢Phvsical (	Condition Ass	essment —				Total Chlorine (field): Free Chlorine (field):	0 ppm 0 ppm
Graffiti:	None					Ammonia (field):	0 ppm 0 ppm
Erosion:	None					,	7.84 <i>units</i>
Depositio	n: None	Depth (in):				Temperature (field):	57 ° F
Damage:	None		Indercut   Cracks/Structural I	Crushed Damage		Conductivity (field): 1 Detergents:	1613 μS/cm 0 mg/L
			Jidoko/Otractarar i	Jamage			-

15-146 City of Oshkosh



-- mg/L

Non-illicit:

None

15-146 City of Oshkosh

Inspection Date: 5/12/2011	12:38:00 PM	Type: Other	Flow:	Submerged, indeterm	nate Previous Rainfall (hrs): 48-72
- · · · · · · · · · · · · · · · · · · ·	nlikely epth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	Inspector: JCW	Outfall 15-146	partially submerged. screened upstream at US1.  tion Assessment None n: None tion: None 0	o20110512123858.JPG in. 2011

15-1093 City of Oshkosh

Priority Outfall

### Structure Type:

Closed Pipe Outfall

### **Discharge Location:**

Water of the State

#### NR 216 Class:

Minor Outfall

### Shape:

Pipe - Circular

#### Material:

CMP

# City ID:

N/A

### -Dimensions

Diameter (in): 15

Height/Depth (in):

Width (in):

### **Mapping Precison:**

Mapping GPS

✓ Not Physically Located



o20181025121520.JPG

### **Outfall Notes:**

N Main St storm sewer discharges to stream from west.

**County Coordinates:** Latitude/Longitude: Northing: 488,726 Latitude: 44.06021 Easting: 793,062 Longitude: -88.53780



Inspection D	Date: 10/25/	2018 12:17:	00 PM I	nspector:	JCW	Inspection Type	: Ongoing	Previous Rainfall (hrs):	72+
Flow Descri	ption: Subm	• ,	•	Notes:		fully submerged and ed upstream at 15-1			ANTANA
Submerged:	Fully	Depth (in	):		3010011	ca apolicam at 10 1	000 001.		
Illicit Discha	rge Potential:	Unlikely							
Floatables:	None		Petrol.	Sheen [	Suds	Sewage A	algae		
Odor:	None		Petrol	_	Musty		Chlorine Other	Loca	
Turbidity:	None			Solvent	∫ Fishy	Sulfur F	ragrant		10/75/2018
Color:	None							o201810251215	522.JPG
Gross Solids	: None		Litter		Veg. Deb	oris Sediment	Other	201	8
Vegetation:	None		Inhibit	ed 🗌	Excessiv	е	Г	-Sampling Results ———	
Benthic Grow	vth: None		Green		Brown			Sample Location:	
Stains:	None		Flow L		Oil	Rust Stains	Sample ID:		
			Paint		Other			Time Collected:	
Non-illicit:	None		Natura	l Sheen	☐ Natu	ral Suds/Foam		Total Chlorine (field):	ppm
-Physical C	Condition Asses	ssment —						Free Chlorine (field):	ppm
Graffiti:	None							Ammonia (field):	ppm
Erosion:	None							pH (field):	units
Deposition	n: None	Depth (in):						Temperature (field):	° F
Damage:	None	☐ Displace	ement [	Undercut		Crushed		Conductivity (field):	μS/cm
		Corrosio	on 🗌	Cracks/St	ructural C	Damage		Detergents:	mg/L

15-1093 City of Oshkosh

Inspection Date:	10/19/2017	2:32:42 PM	Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Po	tential: U	nlikely	Inspector: JCW	-Notes	
Submerged: Fully		epth (in):	,	Outfall fully submerged and	Outfall
Sampling Results		. , ,		not located - screened	Quuali
		Floatables:	None	upstream at 15-1093 US1.	Not
Sample Location:		Odor:	None	_	
Total Chlorine:	ppm	Turbidity:	None		Located
Free Chlorine:	ppm	Color:	None	Condition Assessment	<b>L</b> ouille
Ammonia:	ppm	Gross Solids:	None		AAA
pH:	units	Vegetation:	None	Graffiti: None	-00474040440000 IDO
Temperature	°F	Benthic Growth:	None	Erosion: None	o20171019143036.JPG
Conductivity:	μS/cm	Stains:	None	Deposition: None in.	2017
Detergents:	mg/L	Non-illicit:	None	Damage: None	
Inspection Date:	9/24/2015	7:09:54 AM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Po		nlikely	Inspector: JCW	_Notes	A JOHN NOW
Submerged: Partia	.lly D	epth (in): 14		Outfall partially submerged -	
⊢Sampling Results		Florida	<b>.</b>	screened at 15-1093 US1.	
Sample Location:			None	-  I	1
Total Chlorine:	<b></b>		None	-  l	
Free Chlorine:	ppm	Turbidity:	None	-	
Ammonia:	ppm		None	Condition Assessment —	
Ammonia.	ppm		None	Graffiti: None	1201017613-07111
nH·			None	Grama. None	THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO I
pH:	units	Ü		Frosion: None	o20150924061136 JPG
Temperature	∘ <i>F</i>	Benthic Growth:		Erosion: None  Deposition: Moderate 6 in	o20150924061136.JPG
Temperature Conductivity: Detergents:	°F μS/cm mg/L	Benthic Growth: Stains: Non-illicit:	None None	Deposition: Moderate 6 in. Damage: None	2015
Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Poisubmerged: Partia	° F μS/cm mg/L 10/9/2014 ·· tential: U	Benthic Growth: Stains:	None	Deposition: Moderate 6 in. Damage: None  Flow: Submerged, indeterminate  Notes Outfall partially submerged -	
Temperature Conductivity: Detergents: Inspection Date: Illicit Discharge Por	° F μS/cm mg/L 10/9/2014 ·· tential: U	Benthic Growth: Stains: Non-illicit:  1:54:00 PM  nlikely epth (in): 9	None None Type: Ongoing	Deposition: Moderate 6 in. Damage: None  Flow: Submerged, indeterminate  Notes	2015
Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Poisubmerged: Partia	° F μS/cm mg/L 10/9/2014 ·· tential: U	Benthic Growth: Stains: Non-illicit:  1:54:00 PM  nlikely epth (in): 9  Floatables:	None None Type: Ongoing Inspector: JCW	Deposition: Moderate 6 in. Damage: None  Flow: Submerged, indeterminate  Notes Outfall partially submerged - screened upstream at 15-1093	2015
Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Por Submerged: Partia  Sampling Results	° F μS/cm mg/L 10/9/2014 ·· tential: U	Benthic Growth: Stains: Non-illicit:  1:54:00 PM  nlikely epth (in): 9  Floatables:	None  Type: Ongoing Inspector: JCW	Deposition: Moderate 6 in. Damage: None  Flow: Submerged, indeterminate  Notes Outfall partially submerged - screened upstream at 15-1093	2015
Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Por Submerged: Partia  Sampling Results Sample Location:	° F μS/cm mg/L 10/9/2014 ·· tential: U	Benthic Growth: Stains: Non-illicit:  1:54:00 PM nlikely epth (in): 9 Floatables: Odor: Turbidity:	None  Type: Ongoing Inspector: JCW  None None	Deposition: Moderate 6 in. Damage: None  Flow: Submerged, indeterminate  Outfall partially submerged - screened upstream at 15-1093 US1.	2015
Temperature Conductivity: Detergents: Inspection Date: Illicit Discharge Poisubmerged: Partia Sampling Results Sample Location: Total Chlorine:	° F μS/cm mg/L 10/9/2014 tential: U  illy D  ppm	Benthic Growth: Stains: Non-illicit:  1:54:00 PM nlikely epth (in): 9 Floatables: Odor: Turbidity: Color:	None Type: Ongoing Inspector: JCW  None None None	Deposition: Moderate 6 in. Damage: None  Flow: Submerged, indeterminate  Notes Outfall partially submerged - screened upstream at 15-1093	2015
Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Por Submerged: Partia  Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH:	° F μS/cm mg/L  10/9/2014 ·  tential: U  illy D  ppm ppm	Benthic Growth: Stains: Non-illicit:  1:54:00 PM nlikely epth (in): 9 Floatables: Odor: Turbidity: Color:	None None Type: Ongoing Inspector: JCW None None None None	Deposition: Moderate 6 in. Damage: None  Flow: Submerged, indeterminate  Outfall partially submerged - screened upstream at 15-1093 US1.  Condition Assessment Graffiti: None	2015  Previous Rainfall (hrs): 72+
Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Por Submerged: Partia  - Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature	° F μS/cm mg/L  10/9/2014 ·  tential: U  illy D  ppm ppm ppm	Benthic Growth: Stains: Non-illicit:  1:54:00 PM nlikely epth (in): 9 Floatables: Odor: Turbidity: Color: Gross Solids:	None None Type: Ongoing Inspector: JCW  None None None None None None None Non	Deposition: Moderate 6 in. Damage: None  Flow: Submerged, indeterminate  Outfall partially submerged - screened upstream at 15-1093 US1.  Condition Assessment Graffiti: None Erosion: None	2015
Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Por Submerged: Partia  - Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH:	° F μS/cm mg/L  10/9/2014 ·  tential: U  illy D  ppm ppm ppm ppm units	Benthic Growth: Stains: Non-illicit:  1:54:00 PM  nlikely epth (in): 9  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation:	None None Type: Ongoing Inspector: JCW  None None None None None None None Non	Deposition: Moderate 6 in. Damage: None  Flow: Submerged, indeterminate  Outfall partially submerged - screened upstream at 15-1093 US1.  Condition Assessment Graffiti: None	2015  Previous Rainfall (hrs): 72+  020141009125326.JPG
Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Por Submerged: Partia  - Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature	° F μS/cm mg/L  10/9/2014 -  tential: U  illy D  ppm ppm ppm ppm ppm ppm ppm ppm ppm	Benthic Growth: Stains: Non-illicit:  1:54:00 PM  nlikely epth (in): 9  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains:	None None Type: Ongoing Inspector: JCW  None None None None None None None Non	Deposition: Moderate 6 in. Damage: None  Flow: Submerged, indeterminate  Outfall partially submerged - screened upstream at 15-1093 US1.  Condition Assessment Graffiti: None Erosion: None	2015  Previous Rainfall (hrs): 72+
Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Por Submerged: Partia  Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity:	° F μS/cm mg/L  10/9/2014 · tential: U  tllly D  ppm ppm ppm units ° F μS/cm mg/L	Benthic Growth: Stains: Non-illicit:  1:54:00 PM  nlikely epth (in): 9  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains:	None None Type: Ongoing Inspector: JCW  None None None None None None None Non	Deposition: Moderate 6 in. Damage: None  Flow: Submerged, indeterminate  Outfall partially submerged - screened upstream at 15-1093 US1.  Condition Assessment Graffiti: None Erosion: None Deposition: None in.	2015  Previous Rainfall (hrs): 72+  020141009125326.JPG
Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Por Submerged: Partia Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date:	° F μS/cm mg/L  10/9/2014 -  tential: U  Illy D  ppm ppm ppm ppm μS/cm mg/L	Benthic Growth: Stains: Non-illicit:  1:54:00 PM  nlikely epth (in): 9  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	None None Type: Ongoing Inspector: JCW  None None None None None None None Non	Deposition: Moderate 6 in. Damage: None  Flow: Submerged, indeterminate  Outfall partially submerged - screened upstream at 15-1093 US1.  Condition Assessment Graffiti: None Erosion: None Deposition: None Deposition: None Damage: None	2015  Previous Rainfall (hrs): 72+  020141009125326.JPG  2014
Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Por Submerged: Partia  Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Illicit Discharge Por Submerged: Partia	° F μS/cm mg/L  10/9/2014 ·  tential: U  ppm ppm ppm units ° F μS/cm mg/L  10/6/2011 tential: U  tential: U	Benthic Growth: Stains: Non-illicit:  1:54:00 PM  nlikely epth (in): 9  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	None None Type: Ongoing Inspector: JCW  None None None None None None None Non	Deposition: Moderate 6 in. Damage: None  Flow: Submerged, indeterminate  Outfall partially submerged - screened upstream at 15-1093 US1.  Condition Assessment  Graffiti: None Erosion: None Deposition: None Deposition: None Damage: None  Flow: Submerged, indeterminate  Notes  Outfall partially submerged. Outfall screened upstream at	2015  Previous Rainfall (hrs): 72+  020141009125326.JPG  2014
Temperature Conductivity: Detergents:  Ilicit Discharge Por Submerged: Partia  Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Ilicit Discharge Por Submerged: Partia  Sampling Results	° F μS/cm mg/L  10/9/2014 ·  tential: U  ppm ppm ppm units ° F μS/cm mg/L  10/6/2011 tential: U  tential: U	Benthic Growth: Stains: Non-illicit:  1:54:00 PM  nlikely epth (in): 9  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  8:44:09 AM  nlikely epth (in): 9	None None Type: Ongoing Inspector: JCW  None None None None None None None Non	Deposition: Moderate 6 in. Damage: None  Flow: Submerged, indeterminate  Outfall partially submerged - screened upstream at 15-1093 US1.  Condition Assessment Graffiti: None Erosion: None Deposition: None Deposition: None Damage: None  Flow: Submerged, indeterminate  Notes Outfall partially submerged.	2015  Previous Rainfall (hrs): 72+  020141009125326.JPG  2014
Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Poisubmerged: Partia Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Poisubmerged: Partia Sampling Results Sample Location:	° F μS/cm mg/L  10/9/2014 ·  tential: U  ppm ppm ppm units ° F μS/cm mg/L  10/6/2011 tential: U  tential: U	Benthic Growth: Stains: Non-illicit:  1:54:00 PM  nlikely epth (in): 9  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  8:44:09 AM  nlikely epth (in): 9	None None Type: Ongoing Inspector: JCW  None None None None None None None Non	Deposition: Moderate 6 in. Damage: None  Flow: Submerged, indeterminate  Outfall partially submerged - screened upstream at 15-1093 US1.  Condition Assessment  Graffiti: None Erosion: None Deposition: None Deposition: None Damage: None  Flow: Submerged, indeterminate  Notes  Outfall partially submerged. Outfall screened upstream at	2015  Previous Rainfall (hrs): 72+  020141009125326.JPG  2014
Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Poisubmerged: Partia Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents: Illicit Discharge Poisubmerged: Partia Sampling Results Sample Location: Total Chlorine:	° F μS/cm mg/L  10/9/2014 ·  tential: U  ppm ppm ppm units ° F μS/cm mg/L  10/6/2011 tential: U  tential: U	Benthic Growth: Stains: Non-illicit:  1:54:00 PM  nlikely epth (in): 9  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  8:44:09 AM  nlikely epth (in): 9  Floatables:	None None Type: Ongoing Inspector: JCW  None None None None None None None Non	Deposition: Moderate 6 in. Damage: None  Flow: Submerged, indeterminate  Outfall partially submerged - screened upstream at 15-1093 US1.  Condition Assessment  Graffiti: None Erosion: None Deposition: None Deposition: None Damage: None  Flow: Submerged, indeterminate  Notes  Outfall partially submerged. Outfall screened upstream at	2015  Previous Rainfall (hrs): 72+  020141009125326.JPG  2014
Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Poisubmerged: Partia Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Poisubmerged: Partia Sampling Results Sample Location:	° F μS/cm mg/L  10/9/2014 ·  tential: U  illy D  ppm ppm ppm units ° F μS/cm mg/L  10/6/2011 tential: U  itential: U  itential: U	Benthic Growth: Stains: Non-illicit:  1:54:00 PM  nlikely epth (in): 9  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  8:44:09 AM  nlikely epth (in): 9  Floatables: Odor:	None None Type: Ongoing Inspector: JCW  None None None None None None None Type: Ongoing Inspector: JCW  None None None	Deposition: Moderate 6 in. Damage: None  Flow: Submerged, indeterminate  Outfall partially submerged - screened upstream at 15-1093 US1.  Condition Assessment Graffiti: None Erosion: None Deposition: None Deposition: None Damage: None  Flow: Submerged, indeterminate  Outfall partially submerged. Outfall screened upstream at 15-1093 US1.	2015  Previous Rainfall (hrs): 72+  020141009125326.JPG  2014
Temperature Conductivity: Detergents:  Illicit Discharge Por Submerged: Partia  Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Illicit Discharge Por Submerged: Partia  Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia:	° F μS/cm mg/L  10/9/2014 ·  tential: U  Illy D  ppm ppm ppm units ° F μS/cm mg/L  10/6/2011 tential: U  Itential: U  Itential: U  Itential: U  Itential: U	Benthic Growth: Stains: Non-illicit:  1:54:00 PM  nlikely epth (in): 9  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  8:44:09 AM  nlikely epth (in): 9  Floatables: Odor: Turbidity:	None Type: Ongoing Inspector: JCW  None None None None None None None Type: Ongoing Inspector: JCW  None None None None None	Deposition: Moderate 6 in. Damage: None  Flow: Submerged, indeterminate  Outfall partially submerged - screened upstream at 15-1093 US1.  Condition Assessment  Graffiti: None Erosion: None Deposition: None Deposition: None Damage: None  Flow: Submerged, indeterminate  Outfall partially submerged. Outfall screened upstream at 15-1093 US1.  Condition Assessment	2015  Previous Rainfall (hrs): 72+  020141009125326.JPG  2014
Temperature Conductivity: Detergents:  Ilicit Discharge Por Submerged: Partia  Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Ilicit Discharge Por Submerged: Partia  Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH:	° F μS/cm mg/L  10/9/2014 tential: U  ppm ppm ppm units ° F μS/cm mg/L  10/6/2011 tential: U  tential: U  tential: U  tential: U  number of the period	Benthic Growth: Stains: Non-illicit:  1:54:00 PM  nlikely epth (in): 9  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  8:44:09 AM  nlikely epth (in): 9  Floatables: Odor: Turbidity: Color:	None None Type: Ongoing Inspector: JCW  None None None None None None None Type: Ongoing Inspector: JCW	Deposition: Moderate 6 in. Damage: None  Flow: Submerged, indeterminate  Outfall partially submerged - screened upstream at 15-1093 US1.  Condition Assessment Graffiti: None Erosion: None Deposition: None Deposition: None Damage: None  Flow: Submerged, indeterminate  Notes Outfall partially submerged. Outfall screened upstream at 15-1093 US1.  Condition Assessment Graffiti: None	2015  Previous Rainfall (hrs): 72+  020141009125326.JPG  2014  Previous Rainfall (hrs): 72+
Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Por Submerged: Partia Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Por Submerged: Partia Sampling Results Sample Location: Total Chlorine: Free Chlorine: Free Chlorine: Ammonia: pH: Temperature	° F μS/cm mg/L  10/9/2014 -  tential: U  ppm ppm ppm μS/cm mg/L  10/6/2011 8  tential: U  tential: U  tential: U  mg/L  ppm ppm ppm ppm ppm ppm ppm ppm ppm	Benthic Growth: Stains: Non-illicit:  1:54:00 PM  nlikely epth (in): 9  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  8:44:09 AM  nlikely epth (in): 9  Floatables: Odor: Turbidity: Color: Gross Solids:	None Type: Ongoing Inspector: JCW  None None None None None None None Non	Deposition: Moderate 6 in. Damage: None  Flow: Submerged, indeterminate  Outfall partially submerged - screened upstream at 15-1093 US1.  Condition Assessment  Graffiti: None Erosion: None Deposition: None Deposition: None Damage: None  Flow: Submerged, indeterminate  Notes  Outfall partially submerged. Outfall screened upstream at 15-1093 US1.  Condition Assessment  Graffiti: None Erosion: None	2015  Previous Rainfall (hrs): 72+  020141009125326.JPG  2014
Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Por Submerged: Partia  Sampling Results Sample Location: Total Chlorine: Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:  Inspection Date: Illicit Discharge Por Submerged: Partia  Sampling Results Sample Location: Total Chlorine: Free Chlorine: Free Chlorine: Free Chlorine: Ammonia: pH:	° F μS/cm mg/L  10/9/2014 -  tential: U  ppm ppm ppm μS/cm mg/L  10/6/2011 tential: U  tential: U  tential: U  ppm	Benthic Growth: Stains: Non-illicit:  1:54:00 PM  nlikely epth (in): 9  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:  8:44:09 AM  nlikely epth (in): 9  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation:	None Type: Ongoing Inspector: JCW  None None None None None None None Non	Deposition: Moderate 6 in. Damage: None  Flow: Submerged, indeterminate  Outfall partially submerged - screened upstream at 15-1093 US1.  Condition Assessment Graffiti: None Erosion: None Deposition: None Deposition: None Damage: None  Flow: Submerged, indeterminate  Notes Outfall partially submerged. Outfall screened upstream at 15-1093 US1.  Condition Assessment Graffiti: None	2015  Previous Rainfall (hrs): 72+  020141009125326.JPG  2014  Previous Rainfall (hrs): 72+

15-1093 City of Oshkosh

nspection Date:	0,20,2011	9:18:00 AM	Type: Other	Flow:	Cabiii	erged, indet	ommato	Previous Rainfall (hrs): 72+
llicit Discharge Po	tential: U	nlikely	Inspector: JCW	-Notes				是20個個學型安學院。2015年
Submerged: Partia	lly D	epth (in):				ly submerge		
Sampling Results						ned upstream	n at	
, 0		Floatables:		15-109	3 US1.			
Sample Location:		Odor:						
Total Chlorine:	ppm	Turbidity:						是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个
Free Chlorine:	ppm	Color:						4
Ammonia:	ppm	Gross Solids:		- Condi	tion As	sessment -		
pH:	units	Vegetation:		Graffiti	:	None		O) All a O() ( ) ( ) (
Temperature	∘ <i>F</i>	Benthic Growth:		Erosion	า:	None		o20110526091844.JPG
Conductivity:	μS/cm	Stains:		Deposi	tion:	None	0 in.	0044
Detergents:	mg/L		None	Damag	ge:	None		2011

spection Date:	8/26/2010	2:56:31 PM	Type: Ongoing	Flow:	Subr	merged, indet	terminate	Previous Rainfall (hrs): 72+
Ilicit Discharge Pot Submerged: Partial - Sampling Results	ly D	nlikely epth (in): 7	Inspector: JCW		ll partia	ally submerge ened upstrear		
Sample Location: Total Chlorine:	ppm	Odor:	None None Slight cloudiness	15-10	93 US	1.		
Free Chlorine: Ammonia: pH:	ppm ppm		None None	— Cond		ssessment -		00 20 200 (12:00)
Temperature	units ° F	Vegetation: Benthic Growth:	None Moderate	Erosio		None		o20100826144742.JPG
Conductivity: Detergents:	μS/cm mg/L	Stains: Non-illicit:	None None	Depos		None Minor	0 in.	2010

Inspection Date:	9/2/2009		Type: Initial	Flow: Su	ıbmerged, sligh	t flow	Previous Rainfall (hrs): 72+
Illicit Discharge Pot Submerged: Partial	ly D	otential epth (in): 7	Inspector: JCW		rtially submerge		
Sampling Results Sample Location:			None Faint	15-1093 U	JS1.		
Total Chlorine:	ppm	Turbidity:	Cloudy				
Ammonia:	ppm ppm		None None		Assessment -		GS 01 3700 31-00
pH: Temperature	units ° F	Vegetation: Benthic Growth:	None Slight	Graffiti: Erosion:	None None		Osh09_DSCN6359.JPG
Conductivity:	μS/cm	Stains:	None	Deposition		0 in.	2009
Detergents:	mg/L	Non-illicit:	None	Damage:	Minor		_300

15-1093 US1 City of Oshkosh

### Structure Type:

Manhole

### **Discharge Location:**

Downstream Outfall

#### NR 216 Class:

Minor Outfall - Alternate Location

#### Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

### City ID:

15-1093

#### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

### **Mapping Precison:**

Mapping GPS

☐ Not Physically Located



o20181025121656.JPG

#### **Outfall Notes:**

Upstream manhole located approx 88 ft SSW of outfall 15-1093. Intermediate area consists of Main Street and right-of-way.

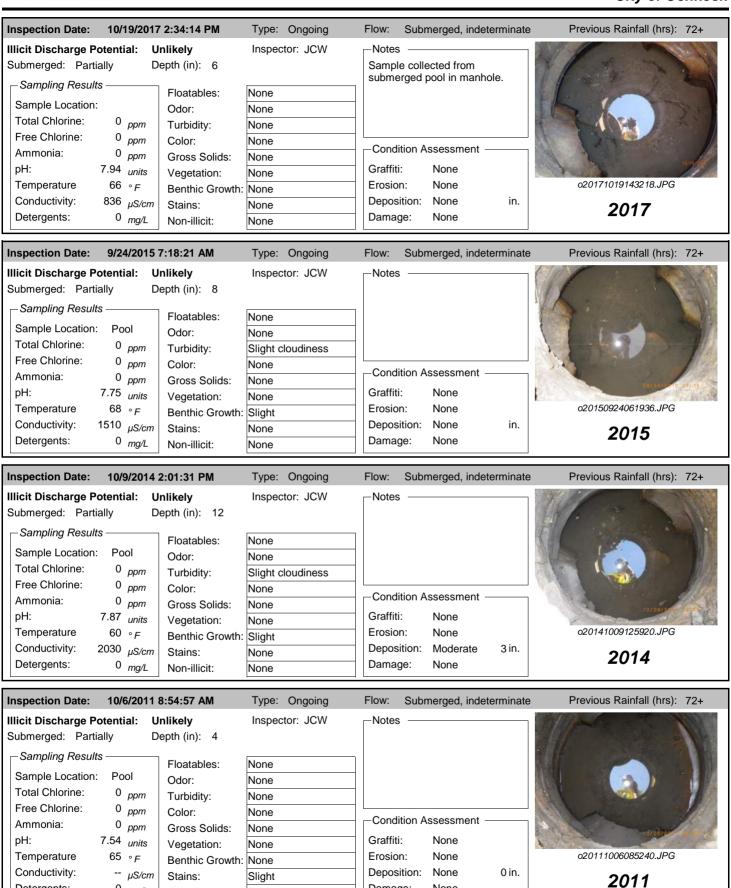
**County Coordinates:** Latitude/Longitude:
Northing: 488,645 Latitude: 44.05998

Northing: 488,645 Latitude: 44.05998 Easting: 793,028 Longitude: -88.53793



Inspection	Date: 10	/25/2018 12:18:	<b>17 PM</b> In	spector:	JCW Insp	ection Type:	Ongoing	Previous Rainfall (hrs)	: 72+	
Flow Descr	iption: Su	ıbmerged, inde	erminate	Notes:	Sample collecte	ed from subm	nerged pool in	7//	1	
Submerged:	Partially	Depth (in)	: 5		mannole.			H		
Illicit Disch	arge Poten	tial: Unlikely							The same of	
Floatables:	None		Petrol.	Sheen _	] Suds	wage 🗌 Al	gae			
Odor:	None		Petrole	eum 🗀	Musty Se	wage 🗌 Cl	hlorine   Other		Nagh.	- 1//
ĺ			UOC/S	olvent _	] Fishy 🔲 Su	lfur 🗌 Fr	agrant			
Turbidity:	None									
Color:	None							o2018102512	21704.JF	PG
Gross Solids	s: None		Litter	_ \ \	Veg. Debris 🗌 🤅	Sediment [	Other	20	18	
Vegetation:	None		Inhibite	ed 🗌 I	Excessive			Sampling Results ——		
Benthic Grov	wth: None		Green	I	Brown			Sample Location: Po	ol	
Stains:	None		Flow Li	ine 🗌 (	Oil 🔲 I	Rust Stains		•	o. 1025-80	1
			Paint		Other			•	:16	
Non-illicit:	None		Natura	l Sheen	Natural Suds	/Foam				
– Physical 0	Condition A	ssessment —						Total Chlorine (field):	0	ppm
Graffiti:	None							Free Chlorine (field): Ammonia (field):	0	ppm ppm
Erosion:	None							pH (field):	7.12	units
Deposition		Depth (in):						Temperature (field):	57	° F
Damage:	None	Displace	mont 🗆 I	Indercut	Crushed			Conductivity (field):	1046	μS/cm
		Corrosic			uctural Damage			Detergents:	0	mg/L

15-1093 US1 City of Oshkosh



Damage:

None

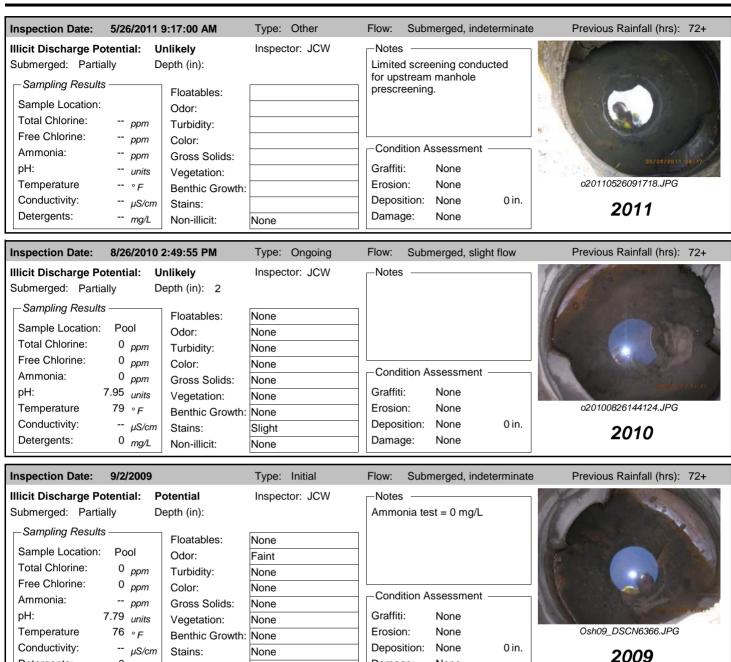
Detergents:

0 mg/L

Non-illicit:

None

15-1093 US1 City of Oshkosh



Damage:

None

Detergents:

0 mg/L

Non-illicit:

None

15-1108 City of Oshkosh

Priority Outfall

### Structure Type:

Closed Pipe Outfall

### **Discharge Location:**

Water of the State

#### NR 216 Class:

Minor Outfall

### Shape:

Pipe - Circular

#### Material:

CMP

# City ID:

N/A

#### -Dimensions

Diameter (in): 15

Height/Depth (in):

Width (in):

### **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181022092206.JPG

#### **Outfall Notes:**

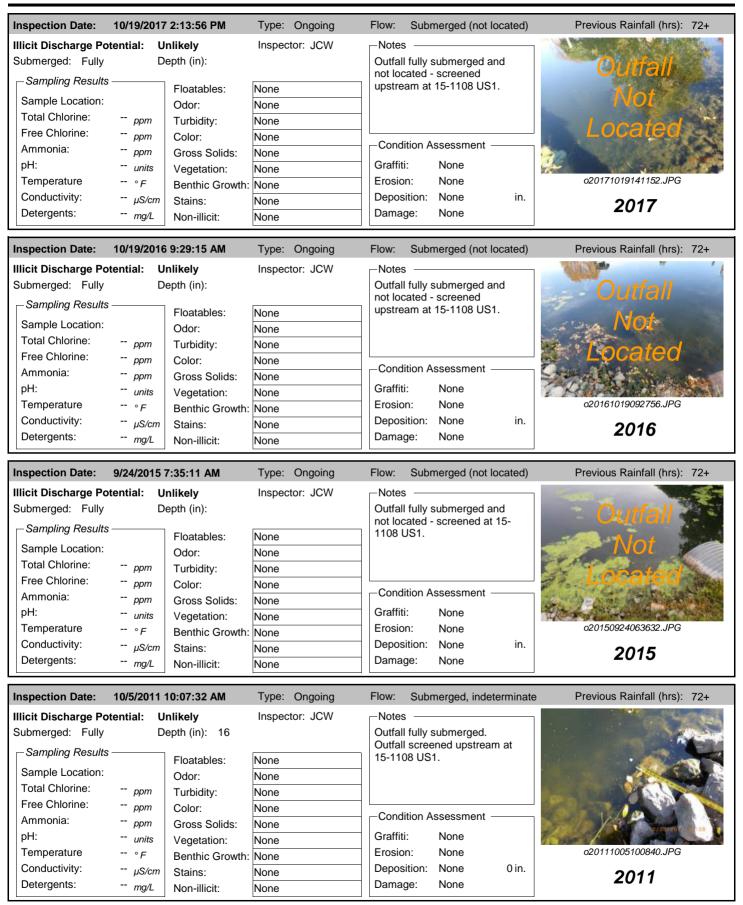
Storm sewer from Bowen St and Windward Ct discharges to lagoon from south.

County Coordinates:Latitude/Longitude:Northing:484,851Latitude:44.04958Easting:795,815Longitude:-88.52732



Inspection Date:	10/22/2018 9:23:57 AM	Inspector: JCW I	nspection Type: Ongoing	Previous Rainfall (hrs): 48-72
Flow Description Submerged: Fully Illicit Discharge F	. , ,		submerged and not located - ostream at 15-1108 US1.	Outfall
Floatables: None Odor: None Turbidity: None Color: None	Pe	etrol. Sheen Suds stroleum Musty CC/Solvent Fishy	Sewage Algae Othe Sewage Chlorine Othe Sulfur Fragrant	CONTROL
Vegetation: N Benthic Growth: N	In   In   In   In   In   In   In   In	ter Veg. Debris   nibited Excessive een Brown ow Line Oil int Other	Sediment Other  Rust Stains	2018  —Sampling Results  Sample Location: Sample ID: Time Collected:
Physical Conditi Graffiti: N Erosion: N Deposition: N		ttural Sheen		Time Collected:  Total Chlorine (field): ppm Free Chlorine (field): ppm Ammonia (field): ppm pH (field): units Temperature (field): ° F Conductivity (field): µS/cm Detergents: mg/L

15-1108 City of Oshkosh



15-1108 City of Oshkosh

Inspection Date: 5/12/2	2011 9:38:00 AM	Type: Other	Flow:	Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Free Chlorine: pp Ammonia: pp pH: un Temperature • p	Depth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: F Benthic Growth: Stains:	Inspector: JCW	Outfall 15-110	fully submerged. screened upstream at 8 US1.  tion Assessment None None tion: None 0 in.	o20110512093128.JPG 2011

15-1108 US1 City of Oshkosh

### Structure Type:

Manhole

### **Discharge Location:**

Downstream Outfall

#### NR 216 Class:

Minor Outfall - Alternate Location

### Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

### City ID:

15-1108

#### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

### **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181022092422.JPG

#### **Outfall Notes:**

Upstream manhole located approx 46 ft SSW of outfall 115-1108. Intermediate area consists of street right-of-way and open space.

**County Coordinates:** Latitude/Longitude: Northing: 484,811 Latitude: 44.04947 Easting: 795,804 Longitude: -88.52737



Inspection	Date: 10	/22/2018 9:28:0	<b>1 AM</b> In	spector:	JCW	Inspec	tion Type:	Ongoing	Previous Rainfall (hrs	): 48-7	72
Flow Descr	iption: Su	ıbmerged, inde	terminate	Notes:	Sample	e collected	from subm	nerged pool.			
Submerged:	Fully	Depth (in	): 14						200		1/100
Illicit Disch	arge Poten	tial: Unlikely									- 1
Floatables:	None		Petrol.	Sheen [	Suds	Sewa	age 🗌 Al	gae 🗌 Othe			local
Odor:	None		Petrole	um 🗌	Musty	Sewa	age 🗌 Ch	nlorine   Other		1.	
ĺ			UVOC/S	olvent [	Fishy	Sulfu	r 🗌 Fr	agrant			
Turbidity:	Slight clou	diness									
Color:	None								o201810220	92430.JF	PG
Gross Solids	s: None		Litter		Veg. Del	oris 🗌 Se	diment	Other	20	18	
Vegetation:	None		Inhibite	d 🗌	Excessiv	⁄e			-Sampling Results		
Benthic Gro	wth: Slight		✓ Green		Brown				Sample Location: P	ool	
Stains:	None		☐ Flow Li	ne 🗌	Oil	Ru	st Stains		·	31022-79	a
			Paint		Other				•	9:25	
Non-illicit:	None		Natural	Sheen	Natu	ıral Suds/F	oam				
– Physical (	Condition A	ssessment —							Total Chlorine (field):	0	ppm
Graffiti:	None	oooomon							Free Chlorine (field):	0	ppm
Erosion:	None								Ammonia (field): pH (field):	0 7.63	ppm units
Deposition		Depth (in):							Temperature (field):	7.03 54	° F
Damage:		` ` ′				0			Conductivity (field):	1665	μS/cm
z amago.	. 10110	☐ Displace		ndercut racks/St	ructural [	Crushed Damage			Detergents:	0	mg/L

15-1108 US1 City of Oshkosh



15-1108 US1 City of Oshkosh

Inspection Date: 5/12/2011 9	9:31:00 AM	Type: Other	Flow:	Submerged, indete	erminate	Previous Rainfall (hrs): 48-72
· · · · · · · · · · · · · · · · · · ·	phikely epth (in):  Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains:	Inspector: JCW	for ups	d screening conduct stream manhole reening.  ition Assessment — i: None	oin.	o20110512093152.JPG
Detergents: mg/L		None	Dama	ge: None		2011

15-2409 City of Oshkosh

Priority Outfall

### Structure Type:

Closed Pipe Outfall

### Discharge Location:

Downstream Outfall

#### NR 216 Class:

Supplemental Outfall

### Shape:

Pipe - Circular

#### Material:

**RCP** 

# City ID:

N/A

#### -Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):

### **Mapping Precison:**

Desktop mapping estimate

■ Not Physically Located



o20181025124822.JPG

#### **Outfall Notes:**

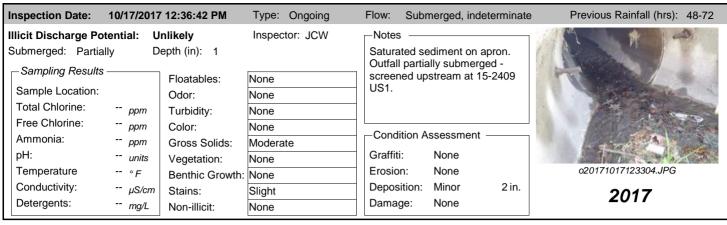
Storm sewer from Mt Vernon St and Custer Ave discharges to open channel east of Harrison St.

County Coordinates:Latitude/Longitude:Northing:480,046Latitude:44.03640Easting:793,931Longitude:-88.53448



Inspection I	Date: 10/25/	2018 12:51:10	PM Inspec	ctor: JCW	Inspecti	on Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descri Submerged: Illicit Discha	•	Depth (in): : Unlikely	No	otes: Sedime of inspe	,	no collecta	able flow at time		
Turbidity:	None None None		Petrol. She Petroleum VOC/Solve	en Suds  Musty nt Fishy	Sewaç Sewaç Sulfur	ge 🗌 Ch	gae		342.JPG
Gross Solids Vegetation: Benthic Grov Stains:	Slight None	[ ] [ ] [ ]	✓ Litter Inhibited Green Flow Line Paint	Uveg. Deb	e 	liment	Other	Sampling Results  Sample Location: Sample ID:	8
Non-illicit:  —Physical C Graffiti: Erosion: Deposition Damage:	None Condition Asset None None n: Minor None	Depth (in):  Displacem Corrosion	nent Unde		ral Suds/Fo Crushed Damage	am		Time Collected: Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field): Detergents:	ppm ppm ppm units ° F μS/cm mg/L

15-2409 City of Oshkosh



Inspection Date:	10/19/2016	12:25:36 PM	Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: None	D	nlikely epth (in):	Inspector: JCW	Notes Sediment wet, but no flow at time of inspection.	
Sampling Results Sample Location: Total Chlorine:	ppm	Odor:	None None None		
Free Chlorine: Ammonia: pH:	ppm ppm units	Gross Solids:	None None None	Condition Assessment Graffiti: None	
Temperature Conductivity: Detergents:	° F μS/cm mg/L		Slight None None	Erosion: None Deposition: Minor 1 in. Damage: None	o20161019122450.JPG <b>2016</b>

Inspection Date:	9/24/2015 8	3:45:17 AM	Type: Ongoing	Flow:	Submerged, indeter	minate	Previous Rainfall (hrs): 72+
Illicit Discharge Pot Submerged: Partial	ly De	nlikely epth (in): 2	Inspector: JCW		partially submerged ned at 15-2409 US1.	-	
Sample Location:			None None				
Total Chlorine: Free Chlorine:	ppm ppm		None None		ition Assessment —		
Ammonia: pH:	ppm units		None None	Graffit	i: None		The said and
Temperature Conductivity:	° F μS/cm	Benthic Growth: Stains:	Slight None	Erosic Depos	ition: None	in.	o20150924075004.JPG <b>2015</b>
Detergents:	mg/L	Non-illicit:	None	Dama	ge: None		2010

15-2477 City of Oshkosh

Priority Outfall

### Structure Type:

Closed Pipe Outfall

### **Discharge Location:**

Water of the State

#### NR 216 Class:

Major Outfall

### Shape:

Pipe - Elliptical

#### Material:

**RCP** 

# City ID:

N/A

#### -Dimensions

Diameter (in):

Height/Depth (in): 43

Width (in): 68

### **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181024165302.JPG

#### **Outfall Notes:**

Sherman Road storm sewer discharges to Asylum Bay from north.

County Coordinates:Latitude/Longitude:Northing:490,793Latitude:44.06588Easting:797,297Longitude:-88.52170

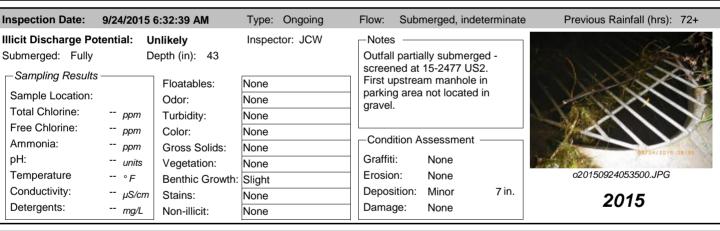


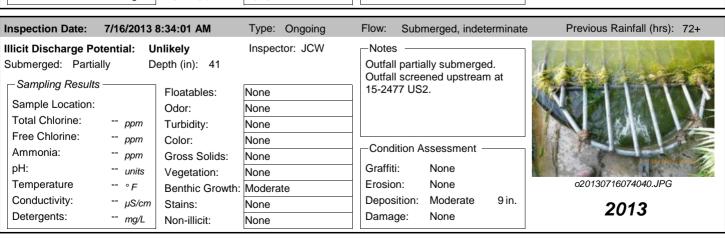
Inspection	Date: 10/24/2018 4:55:	10 PM Inspector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descr Submerged	ription: Submerged, inde	unsti	all partially submerged - eam at 15-2477 US2.	- screened		
Illicit Disch Floatables: Odor: Turbidity: Color:	None None None None None	Petrol. Sheen Suds Petroleum Must VOC/Solvent Fishy	y 🔲 Sewage 🔲 Cl	gae Other Other Other agrant	0201810241653	312.JPG
Gross Solid Vegetation: Benthic Gro Stains:	s: None None wth: Moderate None	□ Litter □ Veg. D   □ Inhibited □ Excess   ☑ Green □ Brown   □ Flow Line □ Oil   □ Paint □ Other			Sampling Results  Sample Location: Sample ID: Time Collected:	8
Non-illicit:  —Physical  Graffiti: Erosion: Depositio Damage:	None —	: 10 cement Undercut	atural Suds/Foam  Crushed Damage		Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field): Detergents:	ppm ppm ppm units ° F μS/cm mg/L

15-2477 City of Oshkosh

Inspection Date:	10/19/2017	2:59:13 PM	Type: Ongoing	Flow:	Submerge	d, indetermin	ate Previous Rainfall (hrs): 72+
Illicit Discharge Po	tential: U	nlikely	Inspector: JCW	-Notes	s ———		
Submerged: Partia	•	epth (in): 38			l partially su ned upstrear	bmerged - m at 15-2477	The second second
Sampling Results		Floatables:	None	US2.			
Sample Location:		Odor:	None				
Total Chlorine:	ppm	Turbidity:	None				
Free Chlorine:	ppm	Color:	None	٦ ـــــــ			
Ammonia:	ppm	Gross Solids:	None	_ Cond	lition Assess	sment ———	
pH:	units	Vegetation:	None	Graffit	i: Non	е	
Temperature	∘ <i>F</i>	Benthic Growth:	None	Erosio	n: Non	е	o20171019145658.JPG
Conductivity:	μS/cm	Stains:	None	Depos	sition: Mino	or 8 in	2017
Detergents:	mg/L	Non-illicit:	None	Dama	ge: Non	е	2017

Inspection Date:	10/18/2016	5:32:01 PM	Type: Ongoing	Flow:	Subm	erged, indeterr	ninate	e Previous Rainfall (hrs): 72+
Illicit Discharge Pot Submerged: Partial	lly D	nlikely epth (in): 30	Inspector: JCW		ation ad	ccumulating on ate. Outfall		
Sampling Results Sample Location: Total Chlorine:	ppm	Floatables: Odor: Turbidity:	None None None		,	nerged - stream at 15-24	77	VOID
Free Chlorine: Ammonia: pH:	ppm ppm units		None None None	-Cond		sessment —		
Temperature Conductivity: Detergents:	° F μS/cm mg/L	Benthic Growth: Stains:		Erosic Depos Dama	sition:	None None None	in.	o20161018173020.JPG <b>2016</b>





15-2477 US2 City of Oshkosh

### Structure Type:

Manhole

### **Discharge Location:**

Downstream Outfall

#### NR 216 Class:

Major Outfall - Alternate Location

#### Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

### City ID:

15-2478

#### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

### **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181024164316.JPG

#### **Outfall Notes:**

Upstream manhole located approx 542 ft NNW of outfall 15-2477. Intermediate area consists of grassy field and gravel parking lot.

County Coordinates:Latitude/Longitude:Northing:491,307Latitude:44.06729Easting:797,123Longitude:-88.52236



#### **Inspection Date:** 10/24/2018 4:45:53 PM **JCW** Inspection Type: Ongoing 72+ Inspector: Previous Rainfall (hrs): Flow Description: Submerged, indeterminate Sample collected from submerged pool in Notes: manhole Submerged: Partially Depth (in): 18 Illicit Discharge Potential: Unlikely Petrol. Sheen Suds Sewage Algae Other Floatables: None Odor: None Petroleum Musty Sewage Chlorine Other Sulfur Fragrant Turbidity: None o20181024164322.JPG Color: None Gross Solids: None Litter ☐ Veg. Debris ☐ Sediment ☐ Other 2018 Vegetation: None Inhibited Excessive Sampling Results Benthic Growth: None Green Brown Sample Location: Pool Stains: Flow Line Oil Rust Stains None Sample ID: 181024-18 Paint Other Time Collected: 16:45 Natural Sheen Natural Suds/Foam Non-illicit: None Total Chlorine (field): 0 ppm Physical Condition Assessment Free Chlorine (field): ppm Ammonia (field): Graffiti: None 0 ppm Erosion: pH (field): None 7.92 units Deposition: None Depth (in): Temperature (field): 57 ۰F Damage: None Conductivity (field): 1445 μS/cm ☐ Displacement ☐ Undercut Crushed Detergents: 0 mg/L Corrosion Cracks/Structural Damage

15-2477 US2 City of Oshkosh



16-142 City of Oshkosh

Priority Outfall

### Structure Type:

Closed Pipe Outfall

### Discharge Location:

Water of the State

#### NR 216 Class:

Minor Outfall

### Shape:

Pipe - Circular

#### Material:

CMP

### City ID:

N/A

#### -Dimensions

Diameter (in): 12

Height/Depth (in):

Width (in):

### **Mapping Precison:**

Desktop mapping estimate

✓ Not Physically Located



o20181024085922.JPG

#### **Outfall Notes:**

Curb inlets from Veterans Trail discharge to river from west. Outfall not located - pipe info from MS4 map.

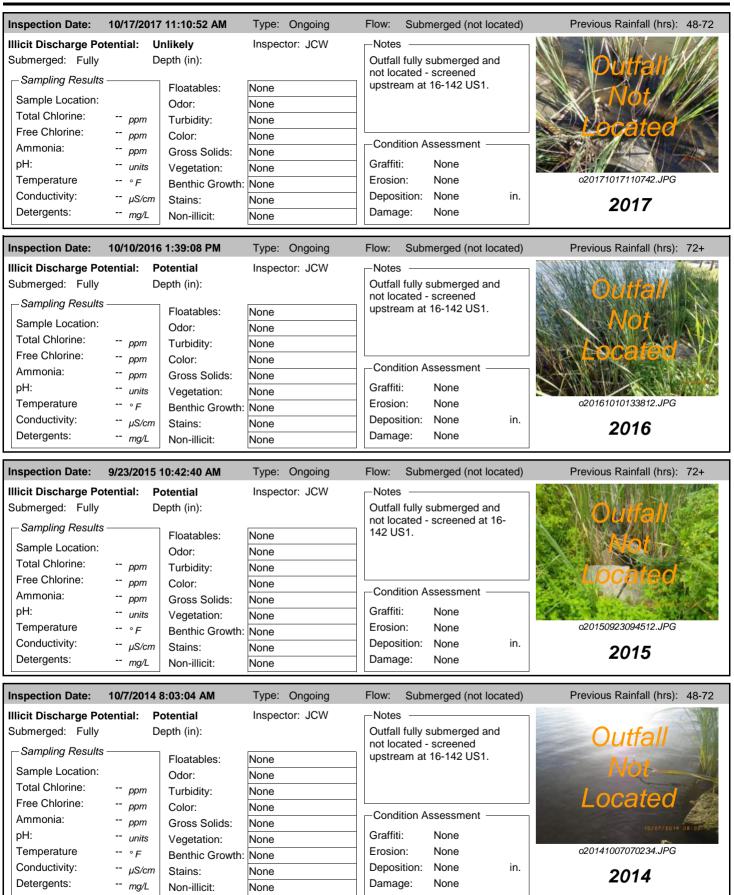
**County Coordinates:** Latitude/Longitude:
Northing: 480,225 Latitude: 44.03687

Easting: 785,463 Longitude: -88.56669

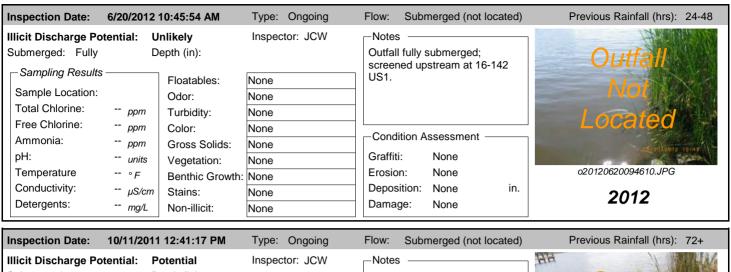


Inspection	Date: 10/24	1/2018 9:00:09 AM In	spector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descr Submerged		nerged (not located) Depth (in):		ll fully submerged and ned upstream at 16-14		CHHH Out	<b>a</b> ll
	None None None None			Sewage CI	gae	201810240858	
Gross Solid: Vegetation: Benthic Gro Stains:	None	Litter Inhibite Green Flow Li Paint	Brown		Other	2016 Sampling Results Sample Location: Sample ID:	8
Non-illicit:  —Physical Graffiti: Erosion: Depositio Damage:		Depth (in):	I Sheen	cural Suds/Foam  Crushed Damage		Time Collected: Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field): Detergents:	ppm ppm ppm units ° F μS/cm mg/L

16-142 City of Oshkosh



16-142 City of Oshkosh



nspection Date:	10/11/2011	I 12:41:17 PM	Type: Ongoing	Flow:	Submerged	(not located)	Previous Rainfall (hrs): 72+
Ilicit Discharge Pot	ential: P	otential	Inspector: JCW	-Note	s —	7	HE HE
Submerged: Fully	D	epth (in):			screening follo		Outfall
-Sampling Results		Floatables:	None	not ph	nysically locate	d. Outfall	
Sample Location:		Odor:	None	scree US1.	ned upstream	at 16-142	NO
Total Chlorine:	ppm	Turbidity:	None	031.			Located
Free Chlorine:	ppm	Color:	None	1 -			Located
Ammonia:	ppm	Gross Solids:	None	Cond	lition Assessm	ent ———	
pH:	units	Vegetation:	None	Graffi	ti: None		
Temperature	∘ <i>F</i>	Benthic Growth:	None	Erosio	on: None		o20111011124048.JPG
Conductivity:	μS/cm	Stains:	None	Depos	sition: None	0 in.	2011
Detergents:	mg/L	Non-illicit:	None	Dama	ge: None		2011

Inspection Date:	8/19/2010	8:26:01 AM	Type: Ongoing	Flow:	Submerged (not	located)	Previous Rainfall (hrs): 72+
Illicit Discharge Po	tential: P	otential	Inspector: JCW	⊢Notes	s ———		/ DIMINATION OF STATE
Submerged: Fully	D	epth (in):			I fully submerged ysically located.		Owtal
Sampling Results	-	Floatables:	None	screer	ned upstream at 1		
Sample Location:		Odor:	None	US1.			THE STATE OF THE S
Total Chlorine:	ppm	Turbidity:	None				Legated
Free Chlorine:	ppm	Color:	None				Located -
Ammonia:	ppm	Gross Solids:	None	- Cond	lition Assessment		
pH:	units	Vegetation:	None	Graffit	i: None		THE REPORT OF THE PARTY OF THE
Temperature	∘ <i>F</i>	Benthic Growth:	None	Erosic	n: None		o20100819081820.JPG
Conductivity:	μS/cm	Stains:	None	Depos	sition: None	0 in.	2010
Detergents:	mg/L	Non-illicit:	None	Dama	ge: None		2010

16-142 US1 City of Oshkosh

### Structure Type:

Inlet/Catchbasin

### Discharge Location:

Downstream Outfall

#### NR 216 Class:

Minor Outfall - Alternate Location

#### Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

### City ID:

16-142

#### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

### **Mapping Precison:**

Mapping GPS

☐ Not Physically Located



o20181024085956.JPG

#### **Outfall Notes:**

Upstream curb inlet located approx 36 ft WSW of outfall 16-142. Intermediate area consists of open space between parking lot and shoreline.

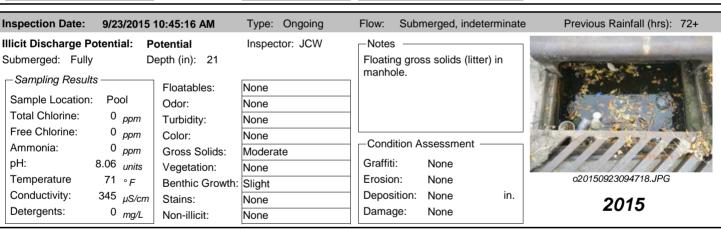
County Coordinates: Latitude/Longitude:

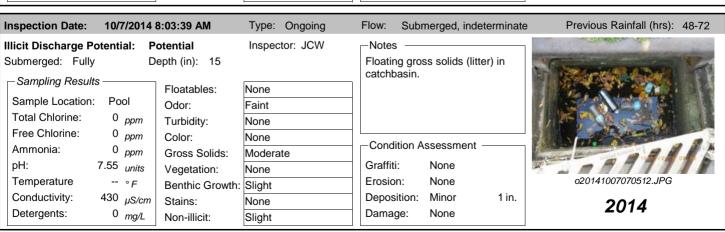
Northing: 480,207 Latitude: 44.03682 Easting: 785,433 Longitude: -88.56680



Inspection Date	e: 10/24/2018 9:01:5	8 AM In:	spector:	JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Description Submerged: F	on: Submerged, inde		Notes:	Sample comanhole.	ollected from subn	nerged pool in	C. Carlo		
Floatables: No. Odor: No. Turbidity: No. Color: No.	nne nne	Petrol. S	um 🗌	Suds [] Musty [] Fishy	Sewage C	lgae	Water State of the	0004.JPG	
Gross Solids:	Slight	✓ Litter	<b>✓</b> '	Veg. Debris	Sediment	Other	201	8	
Vegetation: Benthic Growth: Stains:	None : Slight None	☐ Inhibite  ✓ Green ☐ Flow Lii ☐ Paint	ne [	Excessive Brown Oil Other	Rust Stains		Sampling Results  Sample Location: Pool Sample ID: 181  Time Collected: 09:	024-38	
Non-illicit:  —Physical Con Graffiti: Erosion: Deposition: Damage:	None  None  None  None  None  Depth (in):  None  Displac  Corrosic	_	ndercut		Suds/Foam		Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field): Detergents:	0 ppm 0 ppm 0 ppm 7.83 units 48 ° F 354 μS/cn 0 mg/L	m

Inspection Date: 10/17/2017	11:13:34 AM	Type: Ongoing	Flow:	Submerged, indeterr	minate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Un	nlikely	Inspector: JCW	-Notes			A DESCRIPTION OF THE PERSON OF
Sampling Results  Sample Location: Pool  Total Chlorine: 0 $ppm$ Free Chlorine: 0 $ppm$ Ammonia: 1 $ppm$ pH: 7.56 $units$ Temperature 66 $\circ$ $F$ Conductivity: 535 $\mu$ S/cm	Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth:	None None None Slight None None None None	submer Ammon decomp  Conditi Graffiti: Erosion Deposit	: None ion: None	in.	o20171017110926.JPG 2017
Detergents: 0 mg/L	Non-illicit:	Moderate	Damage	e: None		2017
Inspection Date: 10/10/2016	1:41:25 PM	Type: Ongoing	Flow:	e: None Submerged, indeterr	minate	Previous Rainfall (hrs): 72+
Inspection Date: 10/10/2016 Illicit Discharge Potential: Po	1:41:25 PM		Flow:	Submerged, indeterr		
Inspection Date: 10/10/2016 Illicit Discharge Potential: Po Submerged: Fully De	1:41:25 PM	Type: Ongoing	Flow:	Submerged, indeterr		
Inspection Date: 10/10/2016 Illicit Discharge Potential: Po Submerged: Fully De Sampling Results	1:41:25 PM extential epth (in): 18	Type: Ongoing	Flow:  Notes  Potentia	Submerged, indeterr		
Inspection Date: 10/10/2016 Illicit Discharge Potential: Po Submerged: Fully De Sampling Results Sample Location: Pool	1:41:25 PM  otential  opth (in): 18  Floatables:	Type: Ongoing Inspector: JCW	Flow:  Notes  Potentia	Submerged, indeterr		
Inspection Date: 10/10/2016 Illicit Discharge Potential: Po Submerged: Fully De Sampling Results Sample Location: Pool Total Chlorine: 0 ppm	1:41:25 PM etential epth (in): 18  Floatables: Odor:	Type: Ongoing Inspector: JCW None	Flow:  Notes  Potentia	Submerged, indeterr		
Inspection Date: 10/10/2016 Illicit Discharge Potential: Posubmerged: Fully Described	1:41:25 PM  etential  epth (in): 18  Floatables:  Odor:  Turbidity:	Type: Ongoing Inspector: JCW  None Easily detected	Flow:  Notes  Potentia to gross	Submerged, indeterr ——————————————————————————————————		
Inspection Date: 10/10/2016 Illicit Discharge Potential: Posubmerged: Fully Described	1:41:25 PM  petential  peth (in): 18  Floatables: Odor: Turbidity: Color:	Type: Ongoing Inspector: JCW  None Easily detected None	Flow: Notes Potentiat to gross  —Conditi	Submerged, indeterral illicit discharge dues solids.		
Inspection Date: 10/10/2016 Illicit Discharge Potential: Posubmerged: Fully Described	1:41:25 PM  petential  peth (in): 18  Floatables: Odor: Turbidity: Color: Gross Solids:	Type: Ongoing Inspector: JCW  None Easily detected None None	Flow: Notes Potentia to gross  Conditi Graffiti:	Submerged, indeterral illicit discharge dues solids.		Previous Rainfall (hrs): 72+
Inspection Date: 10/10/2016 Illicit Discharge Potential: Posubmerged: Fully Described	1:41:25 PM  petential  peth (in): 18  Floatables: Odor: Turbidity: Color: Gross Solids:	Type: Ongoing Inspector: JCW  None Easily detected None None Moderate None	Flow:  Notes Potentia to gross  —Conditi Graffiti: Erosion	Submerged, indeterral illicit discharge dues solids.  on Assessment —  None  None		
Inspection Date: 10/10/2016 Illicit Discharge Potential: Posubmerged: Fully Described	1:41:25 PM  Intential  Intential	Type: Ongoing Inspector: JCW  None Easily detected None None Moderate None	Flow: Notes Potentia to gross  Conditi Graffiti:	Submerged, indeterral illicit discharge dues solids.  on Assessment —  None  None  None  None		Previous Rainfall (hrs): 72+





16-142 US1 City of Oshkosh

Inspection Date:	6/20/2012	10:46:43 AM	Type: Ongoing	Flow:	Submerged, indeterminate	Previous Rainfall (hrs):	24-48
Illicit Discharge Po	tential: U	nlikely	Inspector: JCW	-Notes	s ————————————————————————————————————	Name and Address of the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner, which i	
Submerged: Fully	D.	epth (in): 23			gross solids follow-up.	No. of the last	
Sampling Results		Eta atablea	Nicor	Visual	screening only.		
Sample Location:			None		4	144	
Total Chlorine:	ppm	Odor:	None		1	* *	
Free Chlorine:	ppm	Turbidity: Color:	None		F		
Ammonia:	ppm	Gross Solids:	None Slight	— Cond	lition Assessment ———		
pH:	units	Vegetation:	Slight None	Graffit	ii: None	(27 7 2	10110
Temperature	°F	Benthic Growth:		Erosio		o20120620094656.JPG	-
Conductivity:	μS/cm	Stains:	Slight	Depos	sition: None in.	0010	
Detergents:	mg/L		None	Dama	ge: None	2012	
	mg/L	- Norr miore.	None				
Inspection Date:	10/11/2011	12:44:57 PM	Type: Ongoing	Flow:	Submerged, indeterminate	Previous Rainfall (hrs):	72+
Illicit Discharge Po	tential: P	otential	Inspector: JCW	-Notes	s ———— 🥊		W
Submerged: Fully	D.	epth (in): 16			screening follow-up.	10661	1
_Sampling Results		Floatables:	None	Floata	able debris still present.	<b>为</b>	
Sample Location:	Pool						
Total Chlorine:	0 <sub>ppm</sub>	Odor: Turbidity:	None		E.	The transfer of the second	
Free Chlorine:	0 <sub>ppm</sub>	Color:	None			LE SUES TO MAN	
Ammonia:	0 <sub>ppm</sub>		None Slight	— Cond	lition Assessment ———		
pH:	3.15 <sub>units</sub>	Vegetation:	None	Graffit	ii: None		THE PERSON NAMED IN
Temperature	71 ∘ <sub>F</sub>	Benthic Growth:		Erosic		o20111011124148.JPG	1 1 1
Conductivity:	μS/cm	Stains:	None	Depos	sition: None 0 in.	0011	
Detergents:	mg/L	Non-illicit:	None	Dama	ge: None	2011	
			- Torio				
Inspection Date:		2:50:00 PM	Type: Other	Flow:	Submerged, indeterminate	Previous Rainfall (hrs):	
Illicit Discharge Po			Inspector: JCW	-Notes	A.C.	THE RESERVE	
Submerged: Fully	D	epth (in):			d screening conducted eck for floatable debris.		-
Sampling Results		Floatables:	Moderate		ck for floatable debits.	A STATE OF THE PARTY OF THE PAR	A
Sample Location:		Odor:	Woderate			100	
Total Chlorine:	ppm	Turbidity:				Y COM	
Free Chlorine:	ppm	Color:		$\dashv$ $ldsymbol{oxed}$			
Ammonia:	ppm	Gross Solids:	None	— Cond	lition Assessment ———		
pH:	units	Vegetation:		Graffit	ii: None	111111	
Temperature	°F	Benthic Growth:		Erosio	on: None	o20110526145102.JPG	
Conductivity:	μS/cm	Stains:		Depos	sition: None 0 in.	2011	
Detergents:	mg/L	Non-illicit:	Moderate	Dama	ge: None	2011	
. 5.	0/40/0040	2 22 42 414	T	Floor	0.1	Daniero Deletell (bare)	70:
Inspection Date:		8:30:49 AM	Type: Ongoing	Flow:	Submerged, indeterminate	Previous Rainfall (hrs):	72+
Illicit Discharge Po		otential	Inspector: JCW	-Notes			-
Submerged: Fully		epth (in): 22		Floata	able debris in catchbasin.		N 17
Sampling Results		Floatables:	None			N. V. T. Markett and St. St. St.	AND DESCRIPTION OF THE PERSON
Sampling Results Sample Location:	Pool	Floatables: Odor:	None None			1	

-Condition Assessment

None

None

None

None

0 in.

o20100819082134.JPG

2010

Graffiti:

Erosion:

Damage:

Deposition:

Faint in bottle

Moderate

None

Slight

None

None

Free Chlorine:

Ammonia:

Temperature

Conductivity:

Detergents:

рН:

0 <sub>ppm</sub>

0 <sub>ppm</sub>

7.84 *units* 

73 ∘<sub>F</sub>

-- μS/cm

0 mg/L

Color:

Stains:

Non-illicit:

Gross Solids:

Benthic Growth:

Vegetation:

16-164 City of Oshkosh

Non-Priority Non-Major Outfall

## Structure Type:

Closed Pipe Outfall

## **Discharge Location:**

Water of the State

#### NR 216 Class:

Minor Outfall

#### Shape:

Pipe - Circular

#### Material:

CMP

## City ID:

N/A

#### -Dimensions

Diameter (in): 15

Height/Depth (in):

Width (in):

#### **Mapping Precison:**

Desktop mapping estimate

✓ Not Physically Located



o20181024081944.JPG

#### **Outfall Notes:**

Storm sewer from Tyler Ave discharges to river from west. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

**County Coordinates:** Latitude/Longitude:

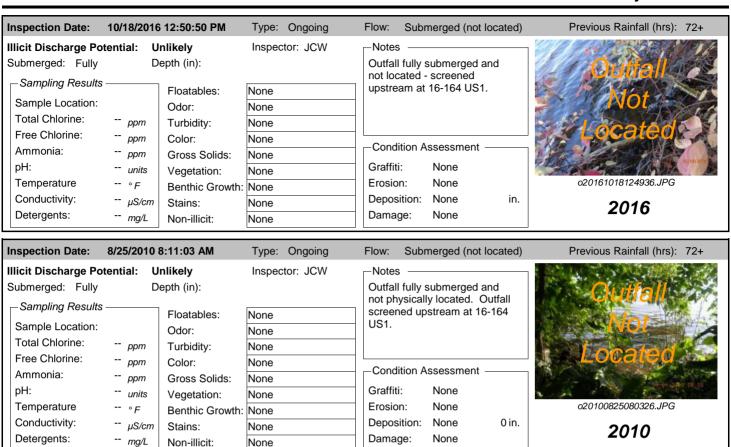
Northing: 477,309 Latitude: 44.02888

Easting: 787,006 Longitude: -88.56081



Inspection	Date: 10/2	4/2018 8:21:24 AM In	spector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descr Submerged:	-	merged (not located)  Depth (in):		ll fully submerged and ned upstream at 16-16		A Outi	all
Illicit Disch	arge Potentia	l: Unlikely				ANO	
Floatables:	None	Petrol.	Sheen Suds	Sewage Al	gae		
Odor:	None	Petrole			hlorine  Other		
Turbidity:	None None	UVOC/S	olvent ∐ Fishy	Sulfur Fr	agrant	0201810240819	952.JPG
Gross Solid		Litter	☐ Veg. D	ebris Sediment	Other	201	Q
Vegetation:	None	☐ Inhibite				Sampling Results	
Stains:	None	☐ Flow Li	ine	Rust Stains		Sample Location: Sample ID:	
Non-illicit:	None Condition Ass		l Sheen 🗌 Na	tural Suds/Foam		Time Collected:  Total Chlorine (field):	<i>ppm</i>
Graffiti: Erosion: Depositio	None None	Depth (in):				Free Chlorine (field): Ammonia (field): pH (field): Temperature (field):	ppm ppm units ° F
Damage:	None		Jndercut Cracks/Structural	Crushed Damage		Conductivity (field): Detergents:	μS/cm mg/L

16-164 City of Oshkosh



16-164 US1 City of Oshkosh

## **Location Map**

## Structure Type: Manhole **Discharge Location:** Downstream Outfall NR 216 Class: Minor Outfall - Alternate Location Shape: Manhole/Catchbasin Material: Manhole - concrete o20181024082116.JPG City ID: 16-164 **Outfall Notes:** Upstream manhole located approx 245 ft W of -Dimensions outfall 16-164. Intermediate area consists of wooded Diameter (in): area to shoreline. Height/Depth (in):

Width (in):

Mapping GPS

**Mapping Precison:** 

■ Not Physically Located



County Coordinates:Latitude/Longitude:Northing:477,310Latitude:44.02888Easting:786,763Longitude:-88.56173

Inspection	Date:	10/24/2018 8:23:1	<b>6 AM</b> In	spector:	JCW Inspe	ction Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Descr	iption:	Submerged, inde	terminate	Notes:	Sample collected	d from subm	nerged pool in	A Plant		
Submerged:	Fully	Depth (in	): 27		manhole.			12	are .	
Illicit Disch	arge P	otential: Unlikely								
Floatables:	None		Petrol.	Sheen _	Suds Sew	age 🗌 Al	gae 🗌 Other			
Odor:	None		Petrole	eum 🗀	Musty Sew	rage 🗌 Cl	hlorine 🗌 Other			
			☐ VOC/S	olvent _	Fishy Sulf	ur 🗌 Fr	agrant			
Turbidity:	None								RE .	1910
Color:	None							o2018102408	2122.JF	PG
Gross Solids	s: SI	ight	✓ Litter		/eg. Debris 🗌 S	ediment [	Other	201	18	
Vegetation:	No	one	Inhibite	ed 🗌 E	Excessive			-Sampling Results ——		
Benthic Grov	wth: SI	ight	✓ Green	E	Brown			Sample Location: Poo	al	
Stains:	No	one	Flow Li	ne 🗌 (	Oil R	ust Stains		•		
			Paint		Other			•	1024-16	0
Non-illicit:	No	one	Natura	Sheen	☐ Natural Suds/F	- nam		Time Collected: 08:	24	
		-	reactard	Oncon		oam		Total Chlorine (field):	0	ppm
		on Assessment —						Free Chlorine (field):	0	ppm
Graffiti:	No	one						Ammonia (field):	0	ppm
Erosion:	No	one						pH (field):	7.91	units
Deposition	n: No	one Depth (in):						Temperature (field):	48	°F
Damage:	No	one Displace	ement 🔲 L	Indercut	Crushed			Conductivity (field):	348	μS/cm
		Corrosio	on 🗌 C	cracks/Str	uctural Damage			Detergents:	0	mg/L

16-164 US1 City of Oshkosh

Inspection Date:	10/18/2016	12:54:03 PM	Type: Ongoing	Flow:	Submerged, indet	terminate	Previous Rainfall (hrs): 72+
Illicit Discharge Pot Submerged: Fully		nlikely epth (in): 22	Inspector: JCW	-Notes			1
Sampling Results		Floatables:	None				
Sample Location:	Pool	Odor:	None				
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None				
Free Chlorine:	0 <sub>ppm</sub>	Color:	Faint in bottle	O = 11	tian Annanant		1
Ammonia:	0 <sub>ppm</sub>	Gross Solids:	Slight	- Condi	tion Assessment -		
pH: 8	3.12 <sub>units</sub>	Vegetation:	None	Graffiti	: None		
Temperature	67 ∘ <sub>F</sub>	Benthic Growth:	None	Erosio	n: None		o20161018125152.JPG
Conductivity:	364 <sub>μS/cm</sub>	Stains:	None	Depos	tion: None	in.	2016
Detergents:	0 <sub>mg/L</sub>	Non-illicit:	None	Damag	ge: None		2010

nspection Date:	8/25/2010	8:13:41 AM	Type: Ongoing	Flow:	Subr	merged, indet	terminate	Previous Rainfall (hrs): 72+
Ilicit Discharge Po Submerged: Fully	D	nlikely epth (in): 26	Inspector: JCW	_Notes	; —			
<ul><li>Sampling Results</li></ul>	3	Floatables:	None					
Sample Location:	Pool	Odor:	Faint					<b>一种一种的一种一种</b>
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None					
Free Chlorine:	0 <sub>ppm</sub>	-	Faint in bottle					
Ammonia:	0 <sub>ppm</sub>	Gross Solids:	Slight	— Condi	ition A	ssessment -		
pH:	7.7 <sub>units</sub>	Vegetation:	None	Graffiti	i:	None		08 25 2010 00 cas
Temperature	71 ∘ <sub>F</sub>	Benthic Growth:	Slight	Erosio	n:	None		o20100825080536.JPG
Conductivity:	μS/cm		None	Depos	ition:	Minor	3 in.	2010
Detergents:	0 <sub>mg/L</sub>		None	Damag	ge:	None		2010

16-436 City of Oshkosh

Non-Priority Major Outfall

## Structure Type:

Closed Pipe Outfall

## **Discharge Location:**

Water of the State

#### NR 216 Class:

Major Outfall

#### Shape:

Pipe - Circular

#### Material:

CMP

## City ID:

N/A

#### -Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):

#### **Mapping Precison:**

Desktop mapping estimate

✓ Not Physically Located



o20181024080232.JPG

#### **Outfall Notes:**

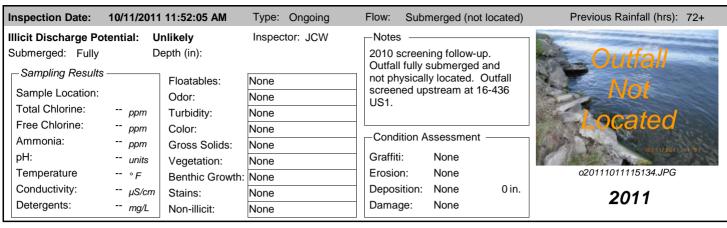
Storm sewer from N Campbell Rd discharges to Fox River from west. Fully submerged and not physically located - information from MS4 map.

County Coordinates:Latitude/Longitude:Northing:475,610Latitude:44.02422Easting:787,877Longitude:-88.55749



Inspection	Date:	10/24/2018 8:03:1	<b>4 AM</b> In	spector:	JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descr	iption:	Submerged (not	ocated)	Notes:		fully submerged and r		- 10 marie	44
Submerged:	Fully	Depth (in	):			ed upstream at 16-430 olids (litter) in manhol		The Outf	all
Illicit Disch	arge Po	tential: Potentia	I					Mo	Charles Charles
Floatables:	None		Petrol.	Sheen 🗌	Suds	Sewage Alg	gae 🗌 Other	140	
Odor:	None		Petrole		Musty		olorine  Other	Loca	tea 💮
Turbidity:	None		☐ VOC/S	olvent	Fishy	Sulfur Fra	agrant		A Chicagos
Color:	None							o201810240802	38.JPG
Gross Solids	s: Noi	ne	Litter	□ \	/eg. Deb	ris Sediment	Other	2018	3
Vegetation:	Noi	ne	Inhibite	d 🗌 E	excessive	е	_	Sampling Results ———	
Benthic Grov	wth: No	ne	Green	E	Brown			Sample Location:	
Stains:	Noi	ne	Flow Li			Rust Stains		Sample ID:	
			Paint		Other			Time Collected:	
Non-illicit:	Noi	ne	Natural	Sheen	Natur	ral Suds/Foam		Total Chlorine (field):	ppm
-Physical (	Conditio	n Assessment —						Free Chlorine (field):	ppm
Graffiti:	Noi	ne						Ammonia (field):	<i>ppm</i>
Erosion:	No	ne						pH (field):	units
Deposition		-1 ( )						Temperature (field):	° <i>F</i>
Damage:	Noi	ne 🗌 Displac		ndercut		Crushed		Conductivity (field):	μS/cm
		Corrosi	on C	racks/Stru	uctural D	amage		Detergents:	mg/L

16-436 City of Oshkosh



Inspection Date:	8/25/2010	10:18:11 AM	Type: Ongoing	Flow: Submerged (not located) Previous Rainfall (hrs): 7	72+
Illicit Discharge Pot Submerged: Fully	D	otential epth (in):	Inspector: JCW	Outfall fully submerged and not physically located. Outfall	*
—Sampling Results		Floatables:	None	screened upstream at 16-436	
Sample Location:		Odor:	None	US1.	
Total Chlorine:	ppm	Turbidity:	None	L'alacka al	
Free Chlorine:	ppm	Color:	None	1260Gut30	
Ammonia:	ppm	Gross Solids:	None	Condition Assessment	
pH:	units	Vegetation:	None	Graffiti: None	34
Temperature	∘ <i>F</i>	Benthic Growth:		Erosion: None <i>o20100825100954.JPG</i>	
Conductivity:	μS/cm		None	Deposition: None 0 in.	
Detergents:	mg/L		None	Damage: None 2010	

16-436 US1 City of Oshkosh

## Structure Type:

Manhole

## **Discharge Location:**

Downstream Outfall

#### NR 216 Class:

Minor Outfall - Alternate Location

#### Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

#### City ID:

16-436

#### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

## **Mapping Precison:**

Mapping GPS

■ Not Physically Located



#### **Outfall Notes:**

Upstream manhole located approx 78 ft WSW of outfall 16-436. Intermediate area consists of open space.

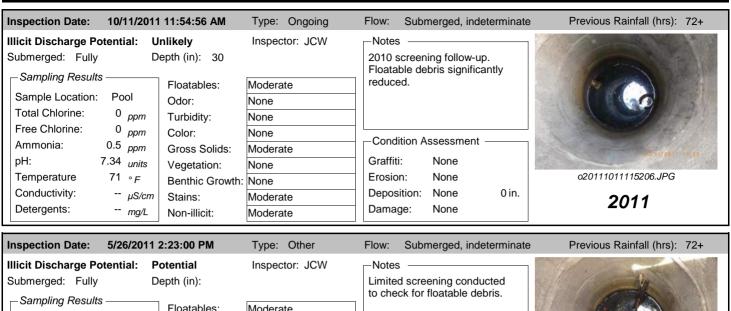
**County Coordinates:** Latitude/Longitude: Latitude:

Northing: 475,584 44.02415 Easting: 787,804 Longitude: -88.55777



Inspection	Date: 10/2	24/2018 8:05:07 AM In	spector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descr Submerged:	•	omerged, indeterminate  Depth (in): 50		e collected from submole. Floating gross solible.	• .		
Illicit Disch	arge Potenti	al: Potential					
Floatables:	None	Petrol.	Sheen Suds	Sewage Al	gae		
Odor:	None	Petrole			hlorine Other		
Turbidity:	None		olvent Fishy	Sulfur Fr	agrant		9015a72016
Color:	None					o20181024080	306.JPG
Gross Solid	s: Slight	✓ Litter	Ueg. De	bris Sediment	Other	201	8
Vegetation:	None	Inhibite	ed Excessive	/e	_	Sampling Results ———	
Benthic Gro	wth: None	Green	Brown			Sample Location: Pool	
Stains:	None	☐ Flow Li		Rust Stains		•	024-91
		Paint	Other			Time Collected: 08:0	5
Non-illicit:	None	Natural	Sheen Nati	ural Suds/Foam		Total Chlorine (field):	0 <i>ppm</i>
-Physical	Condition Ass	sessment ————				Free Chlorine (field):	0 <i>ppm</i>
Graffiti:	None					Ammonia (field):	0 <i>ppm</i>
Erosion:	None					pH (field):	7.34 units
Depositio	n: None	Depth (in):				Temperature (field):	52 ° F
Damage:	None		Indercut  Cracks/Structural	Crushed Damage		Conductivity (field): Detergents:	873 μS/cm 0 mg/L

16-436 US1 City of Oshkosh



Submerged: Fully  Sampling Results  Sample Location:  Total Chlorine:	Flo Od ppm Tu	` '	Moderate	Limited screening conducted to check for floatable debris.
Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:	ppm Gri units Ve °F Be μS/cm Sta	egetation: enthic Growth: ains:	Moderate None	Condition Assessment  Graffiti: None Erosion: None Deposition: None 0 in. Damage: None  Condition Assessment  020110526142310.JPG  2011
Inspection Date: Illicit Discharge Po Submerged: Fully			Type: Ongoing Inspector: JCW	Flow: Submerged, indeterminate Previous Rainfall (hrs): 72+  Notes Floatable debris in manhole.

Inspection Date: 8/2	5/2010 1	0:22:31 AM	Type: Ongoing	Flow:	Submerged, indete	erminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potent	ial: Po	otential	Inspector: JCW	-Notes		180 14	
Submerged: Fully	De	epth (in): 37		Floatal	ole debris in manho	le.	
Sampling Results —		Floatables:	None				
Sample Location: Po	ool		None				
	ppm	Turbidity:	None				
Free Chlorine: 0	ppiii	Color:	Faint in bottle	Candi	tion Assessment	6.38	
Ammonia: 0	ppm	Gross Solids:	Moderate	Condi	tion Assessment –		08-25-2010 10:18
pH: 7.31	units	Vegetation:	None	Graffiti	: None		10-20-2010 10-10
Temperature 71	°F	Benthic Growth:	Slight	Erosio	n: None		o20100825101302.JPG
Conductivity:	μS/cm		Slight	Depos	ition: None	0 in.	2010
Detergents: 0	mg/L	Non-illicit:	None	Damag	ge: None		2010

16-533 City of Oshkosh

Priority Outfall

## Structure Type:

Closed Pipe Outfall

## Discharge Location:

Water of the State

#### NR 216 Class:

Minor Outfall

#### Shape:

Pipe - Circular

#### Material:

**RCP** 

## City ID:

N/A

#### -Dimensions

Diameter (in): 30

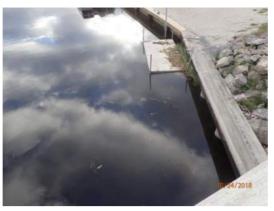
Height/Depth (in):

Width (in):

#### **Mapping Precison:**

Desktop mapping estimate

✓ Not Physically Located



o20181024084508.JPG

#### **Outfall Notes:**

N Sawyer St storm sewer discharges to river from south. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

**County Coordinates:** Latitude/Longitude:
Northing: 478,815 Latitude: 44.03301

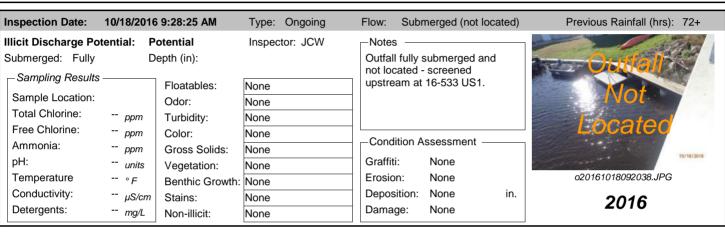
Easting: 785,375 Longitude: -88.56701

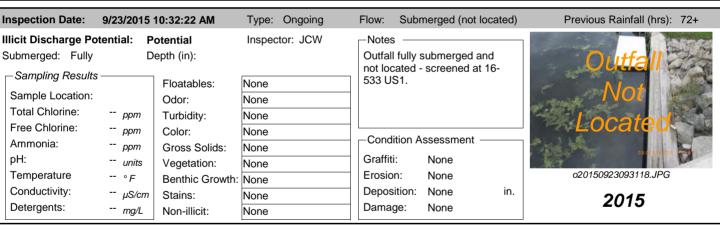


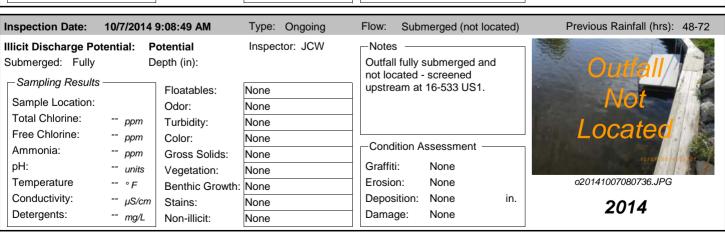
Inspection	Date:	10/24/2018 8:46:5	<b>5 AM</b> In	spector:	JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descr Submerged:	•	• •	•	Notes:	screened	ly submerged and r upstream at 16-533 ds (litter) in manhol	3 US1. Floating	Quit	
Illicit Disch	arge P	otential: Potentia	l		gross som	us (iitter) iii mariiloi	<del>.</del>		<b>t</b>
Floatables:	None		Petrol.	Sheen _	] Suds	Sewage Alg	gae 🗌 Other		
Odor:	None		Petrole VOC/S	_	Musty [		lorine Other	Loca	tea
Turbidity:	None		voc/s	olvent	∫ Fishy _	_ Sullul Fla	agrant	A STATE OF THE PARTY OF THE PAR	10/24/2010
Color:	None							0201810240845	514.JPG
Gross Solids	s: No	one	Litter		Veg. Debris	Sediment	Other	201	8
Vegetation:	No	one	Inhibite	ed 🔲 l	Excessive		F	Sampling Results ———	
Benthic Gro	wth: No	one	Green		Brown			Sample Location:	
Stains:	No	one	Flow Li		Oil	Rust Stains		Sample ID:	
			Paint		Other			Time Collected:	
Non-illicit:	No	one	Natural	Sheen	Natural	Suds/Foam		Total Chlorine (field):	ppm
-Physical (	Conditio	on Assessment —						Free Chlorine (field):	ppm
Graffiti:	No	one						Ammonia (field):	<i>ppm</i>
Erosion:	No	one						pH (field):	units
Depositio	n: No	one Depth (in):						Temperature (field):	° <i>F</i>
Damage:	No	one Displace Corrosic		Indercut Cracks/Str	Cru uctural Dan	nage		Conductivity (field): Detergents:	μS/cm mg/L

16-533 City of Oshkosh

nspection Date:	10/19/2017	7 1:28:21 PM	Type: Ongoing	Flow:	Subn	nerged (not lo	cated)	Previous Rainfall (hrs): 72+
Ilicit Discharge Po	tential: U	Inlikely	Inspector: JCW	-Notes	· —			
Submerged: Fully		epth (in):			,	submerged and screened	t	<b>Cuttall</b>
<ul><li>Sampling Results</li></ul>		Floatables:	None	upstre	am at	16-533 US1.		
Sample Location:		Odor:	None					NOI
Total Chlorine:	ppm	Turbidity:	None					Locatod
Free Chlorine:	ppm	Color:	None					Located -
Ammonia:	ppm	Gross Solids:	None	_ Cond	ition A	ssessment —		
pH:	units	Vegetation:	None	Graffit	i:	None		1966年88年1
Temperature	∘ <i>F</i>	Benthic Growth:	None	Erosio	n:	None		o20171019132622.JPG
Conductivity:	μS/cm	Stains:	None	Depos	ition:	None	in.	2017
Detergents:	mg/L	Non-illicit:	None	Dama	ge:	None		2017







16-533 City of Oshkosh

Inspection Date:	10/11/2011	12:16:32 PM	Type: Ongoing	Flow:	Submerged (not loc	cated)	Previous Rainfall (hrs): 72+
Illicit Discharge Po	tential: U	nlikely	Inspector: JCW	-Notes	s <del></del>	I	
Submerged: Fully		epth (in):			screening follow-up. I fully submerged and	d	Outfall
Sampling Results	,	Floatables:	None	not ph	ysically located. Out	tfall	
Sample Location:		Odor:	None	screer US1.	ned upstream at 16-5	533	NOL
Total Chlorine:	ppm	Turbidity:	None	031.			operation
Free Chlorine:	ppm	Color:	None				Located
Ammonia:	ppm	Gross Solids:	None	Cond	lition Assessment —	- 1	10/11/2011 12:10
pH:	units	Vegetation:	None	Graffit	i: None		
Temperature	∘ <i>F</i>	Benthic Growth:	None	Erosic	n: None		o20111011121620.JPG
Conductivity:	μS/cm	Stains:	None	Depos	sition: None	0 in.	2011
Detergents:	mg/L	Non-illicit:	None	Dama	ge: None		2011

Inspection Date:	8/26/2010	10:11:27 AM	Type: Ongoing	Flow: Sub	merged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Po	tential: P	otential	Inspector: JCW	-Notes -		
Submerged: Fully	D	epth (in):			submerged and	Outfall
				, ,	ly located. Outfall	Vullan
, 0		Floatables:	None		ostream at 16-533	A LOT
Sample Location:		Odor:	None	US1.		IVOL
Total Chlorine:	ppm	Turbidity:	None			In Local States
Free Chlorine:	ppm	Color:	None	<b>-</b>		Located
Ammonia:	ppm	Gross Solids:	None	Condition /	Assessment ————	1000 世末、計画地
pH:	units	Vegetation:	None	Graffiti:	None	
Temperature	∘ <i>F</i>	Benthic Growth:	None	Erosion:	None	o20100826094912.JPG
Conductivity:	μS/cm	Stains:	None	Deposition:	None 0 in.	2010
Detergents:	mg/L	Non-illicit:	None	Damage:	None	2010

16-533 US1 City of Oshkosh

## Structure Type:

Manhole

## Discharge Location:

Downstream Outfall

#### NR 216 Class:

Minor Outfall - Alternate Location

#### Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

## City ID:

16-1178

#### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

## **Mapping Precison:**

Mapping GPS

☐ Not Physically Located



o20181024084844.JPG

#### **Outfall Notes:**

Upstream manhole located approx 75 ft NE of outfall 16-533. Intermediate area consists of street right-of-way and commercial property.

**County Coordinates:** Latitude/Longitude:

Northing: 478,755 Latitude: 44.03284

Northing: 478,755 Latitude: 44.03284 Easting: 785,326 Longitude: -88.56720



Inspection	Date:	10/24/2018 8:51:5	2 AM In	spector:	JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+	
Flow Description: Submerged, indeterr Submerged: Partially Depth (in): Illicit Discharge Potential: Potential			): 46 m			llected from subm Floating gross soli	•	1:		
	None None None	entiai: Potentiai	Petrol.	Sheenumolvent	Suds [  Musty [  Fishy	Sewage C	gae	020181024084	850.JPG	
Gross Solids Vegetation:			✓ Litter  ☐ Inhibite		Veg. Debris	Sediment	Other	<b>201</b> Sampling Results	8	
Benthic Gro	wth: None		Green Flow Li Paint	ne 🔲 (	Brown Oil Other	Rust Stains		Sample Location: Poo Sample ID: 1810 Time Collected: 08:5	024-50	
Non-illicit:  —Physical of Graffiti:  Erosion: Deposition Damage:	None None	Assessment e e Depth (in):		Sheen		Suds/Foam		Temperature (field): Conductivity (field):	0 ppm 0 ppm 0 ppm 7.75 units 48 °F 485 μS/cm	
		Corrosio	on C	racks/Str	uctural Dam	age		Detergents:	0 mg/L	

16-533 US1 City of Oshkosh

Inspection Date:	10/19/2017	7 1:34:48 PM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Ilicit Discharge P		nlikely	Inspector: JCW	-Notes	6. Ma
Submerged: Fully	y D	epth (in):		Sample collected from submerged pool in manhole.	
Sampling Resul	ts	Floatables:	Slight	Submerged poor in mannoie.	
Sample Location	:	Odor:	None		
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None		
Free Chlorine:	0 <sub>ppm</sub>	Color:	None		
Ammonia:	0 ppm	Gross Solids:	Slight	Condition Assessment	
pH:	7.89 <sub>units</sub>	Vegetation:	None	Graffiti: None	
Temperature	66 ∘ <sub>F</sub>	Benthic Growth:	None	Erosion: None	o20171019133054.JPG
Conductivity:	668 <sub>μS/cm</sub>	Stains:	None	Deposition: None in.	2017
Detergents:	0 mg/L	Non-illicit:	None	Damage: None	2017
nspection Date:	10/18/2016	6 9:29:17 AM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
llicit Discharge P	otential: P	otential	Inspector: JCW	-Notes	
Submerged: Fully		epth (in): 40	•	Potential illicit discharge due	Par San Maria
Sampling Resul		,		to gross solids.	
		Floatables:	None	_	
Sample Location Total Chlorine:		Odor:	None	_	
Free Chlorine:	0 <sub>ppm</sub>	Turbidity:	None		
Ammonia:	0 <sub>ppm</sub> 0 <sub>ppm</sub>	Color:	None	Condition Assessment	P
pH:	7.04	Gross Solids:	Moderate	Graffiti: None	10/18/2016
Temperature	7.94 <sub>units</sub> 63 ∘ <sub>F</sub>	Vegetation:	None	Erosion: None	o20161018092516.JPG
Conductivity:	482 <sub>μS/cm</sub>	Benthic Growth: Stains:		Deposition: None in.	
Detergents:	0 <sub>mg/L</sub>	Non-illicit:	None None	Damage: None	2016
nspection Date:		10:32:59 AM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Ilicit Discharge P		otential	Inspector: JCW	Notes	
Submerged: Fully		epth (in): 36		Floating gross solids (litter) - including syringe - in manhole.	
<ul><li>Sampling Resul</li></ul>	ts ———	Floatables:	None		4 4 4 4
Sample Location	: Pool	Odor:	None		
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None		
Free Chlorine:	0 <sub>ppm</sub>	Color:	None	0 - 1 11 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	William State
Ammonia:	0 <sub>ppm</sub>	Gross Solids:	Moderate	Condition Assessment	09/28/2019 14/22
pH:	7.95 <sub>units</sub>	Vegetation:	None	Graffiti: None	
Temperature	71 ∘ <sub>F</sub>	Benthic Growth:	Slight	Erosion: None	o20150923093204.JPG
Conductivity:	363 <sub>μS/cm</sub>	Stains:	None	Deposition: None in.	2015
Detergents:	0 <sub>mg/L</sub>	Non-illicit:	None	Damage: None	
nspection Date:	10/7/2014	9:13:45 AM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
llicit Discharge P		otential	Inspector: JCW	-Notes	
Submerged: Fully		epth (in): 34		Floating gross solids (litter) in manhole.	
<ul><li>Sampling Resul</li></ul>	ts ———	Floatables:	None		
Sample Location	: Pool	Odor:	None		
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None		
Free Chlorine:	0 <sub>ppm</sub>	Color:	None		1. 1
Ammonia:	0 <sub>ppm</sub>	Gross Solids:	Moderate	Condition Assessment	
pH:	7.67 <sub>units</sub>	Vegetation:	None	Graffiti: None	137077516 30.11
Temperature	∘ <i>F</i>	Benthic Growth:	None	Erosion: None	o20141007081140.JPG
Conductivity:	474 μS/cm	Stains:	None	Deposition: None in.	2014
Detergents:	$0_{ma/L}$	Non-illicit:	None	Damage: None	2017

Damage:

None

Non-illicit:

0 mg/L

Detergents:

None

16-533 US1 City of Oshkosh

Inspection Date:	10/11/2011	12:22:21 PM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Fully	D	nlikely epth (in): 16	Inspector: JCW	Notes ————————————————————————————————————	- 1
Sampling Results		Floatables:	None	reduced.	
Sample Location:	Pool	Odor:	None		
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None		
Free Chlorine:	0 <sub>ppm</sub>	Color:	None	Condition Assessment	
Ammonia:	0 <sub>ppm</sub>	Gross Solids:	Moderate		19 (1941 1941
pH:	7.9 <sub>units</sub>	Vegetation:	None	Graffiti: None	
Temperature	70 ∘ <sub>F</sub>	Benthic Growth:	None	Erosion: None	o20111011121924.JPG
Conductivity:	μS/cm	Stains:	None	Deposition: None 0 in.	2011
Detergents:	mg/L	Non-illicit:	None	Damage: None	
nspection Date:	5/26/2011	2:35:00 PM	Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Ilicit Discharge Po	tential: P	otential	Inspector: JCW	_Notes	
Submerged: Fully	D	epth (in):		Limited screening conducted	1000
				to check for floatable debris.	
Sample Location:		Floatables:	None		E A A A
Total Chlorine:		Odor:			
Free Chlorine:	ppm	Turbidity:			
Ammonia:	ppm	Color:		Condition Assessment	The second secon
pH:	ppm	Gross Solids:	Moderate	Graffiti: None	Dh/28/20
Temperature	units	Vegetation:		Erosion: None	o20110526143524.JPG
Conductivity:	°F	Benthic Growth:		Deposition: None 0 in.	020110020140024.31 0
,	μS/cm	Stains:		Damage: None	2011
Detergents:	mg/L	Non-illicit:	None	Damage. None	
nspection Date:	8/26/2010	10:01:38 AM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Ilicit Discharge Po	tential: P	otential	Inspector: JCW	-Notes	
Submerged: Fully		epth (in): 36		Floatable debris in manhole.	A
Sampling Results		Floatables:	None	$\neg$ $ $	
Sample Location:	Pool	Odor:	None	-	
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None	-	A REAL PROPERTY.
Free Chlorine:	0 <sub>ppm</sub>	Color:	Faint in bottle		Name of the last
Ammonia:	0 <sub>ppm</sub>	Gross Solids:	Moderate	Condition Assessment	and a
-11.	7.23 <sub>units</sub>	Vegetation:	None	Graffiti: None	06 26 2010 09 30
pH:	·-c urius	vedetation.	INONE	Crama: None	

Damage:

Deposition:

None

None

0 in.

2010

Conductivity:

Detergents:

-- μS/cm 0 mg/L

None

None

Stains:

Non-illicit:

16-587 City of Oshkosh

Non-Priority Non-Major Outfall

#### Structure Type:

Closed Pipe Outfall

## **Discharge Location:**

Water of the State

#### NR 216 Class:

Minor Outfall

#### Shape:

Pipe - Circular

#### Material:

CMP

## City ID:

N/A

#### -Dimensions

Diameter (in):

Height/Depth (in): 16

Width (in): 25

#### **Mapping Precison:**

Desktop mapping estimate

✓ Not Physically Located

# 70,977

o20181024075600.JPG

#### **Outfall Notes:**

Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map. Identified on MS4 map, but may be private outfall.

County Coordinates: Latitude/Longitude:

Northing: 476,112 Latitude: 44.02560 Easting: 787,572 Longitude: -88.55865



Inspection	Date: 10	0/24/2018 7:56:00	O AM Ins	spector:	JCW	Inspection T	Гуре: С	Ongoing	Previous Rainfall (hrs):	72+
Flow Descr Submerged:	Fully	Depth (in)	•	Notes:		fully submerged . Upstream ma			Out	all
Floatables: Odor: Turbidity: Color:	None None None	tial: Unlikely	Petrol.	_	] Suds ] Musty ] Fishy	Sewage   Sewage   Sulfur	☐ Algad☐ Chlo☐ Frag	orine Other	Loca 201810240750	teol
Gross Solids Vegetation: Benthic Gro Stains:	None		Litter Inhibite Green Flow Lit Paint	d	Veg. Deb Excessive Brown Oil Other	_		Other	Sampling Results  Sample Location: Sample ID:	8
Non-illicit:  Physical of Graffiti: Erosion: Depositio Damage:	None None	Depth (in):	ement 🔲 U	ndercut		ral Suds/Foam Crushed amage			Time Collected:  Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field): Detergents:	ppm ppm ppm units ° F μS/cm mg/L

16-587 City of Oshkosh

Inspection Date:	8/25/2010	9:49:38 AM	Type: Ongoing	Flow:	Submerged (not	located)	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Fully		nlikely epth (in):	Inspector: JCW		II fully submerged a	and	Outfall 🎍
Sampling Results Sample Location: Total Chlorine:	ppm	Odor:	None None		nysically located. eam manhole not sible.		Not
Free Chlorine: Ammonia: pH: Temperature Conductivity: Detergents:	ppm ppm units ° F µS/cm mg/L	Color: Gross Solids: Vegetation: Benthic Growth: Stains:	None None None None None None None	Graffii Erosio Depos	on: None sition: None	0 in.	o20100825094258.JPG <b>2010</b>

16-587 US1 City of Oshkosh

## **Location Map**

## Structure Type: Manhole **Discharge Location:** Downstream Outfall NR 216 Class: Minor Outfall - Alternate Location Shape: Manhole/Catchbasin Material: o20181024075614.JPG City ID: 16-587 **Outfall Notes:** Upstream manhole not located. -Dimensions Diameter (in):

**County Coordinates:** 

476,103

Northing:



Mapping Precison:
Desktop mapping estimate

✓ Not Physically Located

Height/Depth (in): Width (in):

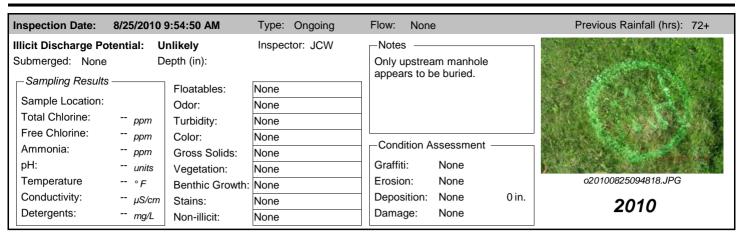
✓ Not Physica	✓ Not Physically Located  Easting: 787,543 Longitude: -88.55876											
Inspection Date	e: 10/24/2018 7:56:0	0 AM Inspector: JC	W Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+						
Flow Description	on: None		ly upstream manhole app	ears to be	<b>不是一个人的</b>							
Submerged: N	lone Depth (in	):	ried.									
Illicit Discharge	e Potential: Unlikely											
Floatables: Nor Odor: Nor		Petrol. Sheen Su		gae Other	t <sub>a</sub> in							
Turbidity: Nor		☐ VOC/Solvent ☐ Fis	hy 🗌 Sulfur 🔲 Fra	agrant	0201810240756	16.JPG						
		□ 1:#** □ 1/a #	Dahaia Cadimant C	Other	0046	•						
Gross Solids:	None		Debris Sediment	Other	2018	3						
Vegetation:	None		essive	Γ;	Sampling Results ———							
Benthic Growth:	None	Green Brov	vn		Sample Location:							
Stains:	None	Flow Line Oil	Rust Stains		Sample ID:							
		Paint Othe	er .		Time Collected:							
Non-illicit:	None	Natural Sheen	Natural Suds/Foam		Total Chlorine (field):	ppm						
Physical Con	dition Assessment —				Free Chlorine (field):	ppm						
Graffiti:	None				Ammonia (field):	ppm						
Erosion:	None				pH (field):	units						
Deposition:	None Depth (in):	0			Temperature (field):	°F						
Damage:	None Displace	ement Undercut	Crushed		Conductivity (field):	μS/cm						
	Corrosid	on Cracks/Structu	ral Damage		Detergents:	mg/L						

Latitude/Longitude:

44.02557

Latitude:

16-587 US1 City of Oshkosh



16-594 City of Oshkosh

Non-Priority Non-Major Outfall

#### Structure Type:

Closed Pipe Outfall

## **Discharge Location:**

Water of the State

#### NR 216 Class:

Minor Outfall

#### Shape:

Pipe - Circular

#### Material:

CMP

## City ID:

N/A

#### -Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):

#### **Mapping Precison:**

Desktop mapping estimate

✓ Not Physically Located

o20181024090616.JPG

#### **Outfall Notes:**

Storm sewer from Oshkosh Ave discharges to river from west. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

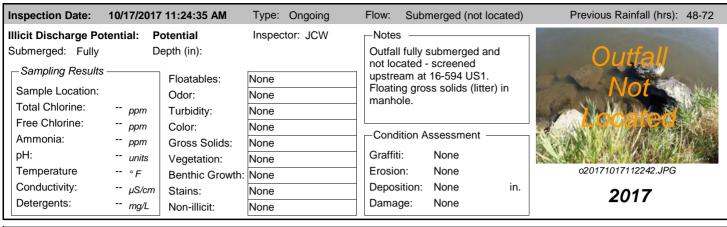
County Coordinates: Latitude/Longitude:

Northing: 479,419 Latitude: 44.03466 Easting: 785,894 Longitude: -88.56504



Inspection	Date: 10/2	24/2018 9:07:36 AM	Inspector:	JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Submerged:	-	Depth (in):  al: Potential	Notes:	screene	fully submerged and ed upstream at 16-59 olids (litter) in manho	4 US1. Floating	Outi	all
	None None None	Peti	rol. SheenroleumC/Solvent	] Suds ] Musty ] Fishy	Sewage Cr	gae Other nlorine Other agrant	O201810240908	
Gross Solids Vegetation: Benthic Gro Stains:	None None	Gre	bited	Veg. Deb Excessive Brown Oil Other			Sampling Results  Sample Location: Sample ID:	8
Non-illicit:  —Physical ( Graffiti: Erosion: Depositio Damage:	None  Condition Ass  None  None  None  None  None		ural Sheen  Undercut Cracks/Str		ral Suds/Foam  Crushed amage		Time Collected: Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field): Conductivity (field): Detergents:	ppm ppm ppm units ° F μS/cm mg/L

16-594 City of Oshkosh



Inspection Date:	10/10/2016	2:04:49 PM	Type: Ongoing	Flow:	Subm	erged (not locat	ed)	Previous Rainfall (hrs): 72+
Illicit Discharge Po	tential: P	otential	Inspector: JCW	-Note:	s			THE RESERVE OF THE PARTY OF THE
Submerged: Fully	D	epth (in):			,	ubmerged and		Outfall
Compling Populto				not lo	cated -s	screened		Valian
Sampling Results		Floatables:	None	upstre	eam at 1	16-594 US1.		& Not
Sample Location:		Odor:	None					Not
Total Chlorine:	ppm	Turbidity:	None					W appeted
Free Chlorine:	ppm	Color:	None					M/Located 🔬
Ammonia:	ppm	Gross Solids:	None	- Cond	dition As	ssessment ——		
pH:	units	Vegetation:	None	Graffit	ti:	None		<b>为</b>
Temperature	∘ <i>F</i>	Benthic Growth:	None	Erosio	on:	None		o20161010140356.JPG
Conductivity:	μS/cm	Stains:	None	Depos	sition:	None	in.	2016
Detergents:	mg/L	Non-illicit:	None	Dama	ige:	None		2010

Inspection Date:	8/19/2010	7:23:24 AM	Type: Ongoing	Flow:	Submerged (not lo	cated)	Previous Rainfall (hrs): 72+
Submerged: Fully  Sampling Results  Sample Location:  Total Chlorine:  Free Chlorine:	D	Odor: Turbidity:	None None None None None	not ph	s ————————————————————————————————————	ıtfall	Outfall Not Located
Ammonia: pH: Temperature Conductivity: Detergents:	ppm units ° F µS/cm mg/L	Gross Solids: Vegetation: Benthic Growth: Stains:	None None	Graffit Erosid Depos	on: None sition: None	0 in.	o20100819071708.JPG <b>2010</b>

16-594 US1 City of Oshkosh

## Structure Type:

Manhole

## **Discharge Location:**

Downstream Outfall

#### NR 216 Class:

Minor Outfall - Alternate Location

#### Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

#### City ID:

16-594

#### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

#### **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181024090714.JPG

#### **Outfall Notes:**

Upstream manhole located approx 60 ft WSW of outfall 16-594. Intermediate area consists of open space in park.

**County Coordinates:** Latitude/Longitude:
Northing: 479,381 Latitude: 44.03456

Northing: 479,381 Latitude: 44.03456 Easting: 785,842 Longitude: -88.56524



Inspection	Date: 10/2	<b>4/2018 9:08:57 AM</b> In	spector: JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Submerged	: Fully	merged, indeterminate  Depth (in): 57		ple collected from subn hole. Floating gross sol hole.	0 ,		
Illicit Disch	arge Potentia	al: Potential					
Floatables:	None	Petrol.	Sheen Suds	Sewage A	lgae		
Odor:	None	☐ Petrole	eum 🗌 Must	y Sewage C	hlorine   Other		
T	News		olvent  Fish	/ Sulfur Fi	ragrant	A STATE OF THE STA	10/9/08
Turbidity:	None					o20181024090	720 IPG
Color:	None					020101024090	720.3F G
Gross Solid	s: Moderate	<b>∠</b> Litter	☐ Veg. □	ebris Sediment	Other	201	8
Vegetation:	None	Inhibite	ed Exces	sive	Г	Sampling Results ———	
Benthic Gro	wth: None	Green	Brown			Sample Location: Pool	ı
Stains:	None	☐ Flow Li	ine	Rust Stains		•	024-71
		☐ Paint	Other			•	
Non-illicit:	None	Natura	I Sheen Na	atural Suds/Foam			
– Physical	Condition Ass	essment —				Total Chlorine (field):	0 <i>ppm</i>
Graffiti:	None					Free Chlorine (field): Ammonia (field):	0 ppm 0 ppm
Erosion:	None					` ,	7.35 <i>units</i>
Depositio		Depth (in):				Temperature (field):	50 ° F
Damage:	None	_ ` ` ` _	Jndercut -	Crushed		Conductivity (field):	456 μS/cm
			Cracks/Structura			Detergents:	0 <i>mg/</i> L

16-594 US1 City of Oshkosh

Inspection Date:	10/17/2017	′ 11:27:30 AM	Type: Ongoing	Flow:	Subr	merged, indete	erminate	Previous Rainfall (hrs): 48-72
Illicit Discharge F	Potential: P	otential	Inspector: JCW	-Note	s —			The second second
Submerged: Full	•	epth (in): 51				ected from pool in manho	ole.	
Sampling Resul	lts	Floatables:	None	Floati	ng gro	ss solids (litter		A CONTRACTOR OF THE PARTY OF TH
Sample Location	i: Pool	Odor:	None	manh	ole.			
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None					
Free Chlorine:	0 <sub>ppm</sub>	Color:	None		I V			
Ammonia:	0 <sub>ppm</sub>	Gross Solids:	Moderate	- Cond	dition A	ssessment –		
pH:	6.98 <i>units</i>	Vegetation:	None	Graffi	ti:	None		
Temperature	68 ∘ <i>F</i>	Benthic Growth:	None	Erosio	on:	None		o20171017112318.JPG
Conductivity:	741 <sub>μS/cm</sub>	Stains:	None	Depos	sition:	None	in.	2017
Detergents:	0 mg/L	Non-illicit:	None	Dama	ige:	None		2017

Inspection Date:	10/10/2016	6 2:07:20 PM	Type: Ongoing	Flow: Sub	merged, indeterm	ninate	Previous Rainfall (hrs): 72+
Illicit Discharge Posture Bully  Submerged: Fully  Sampling Result	, D	otential epth (in): 51	Inspector: JCW	Notes Potential illi to gross sol	cit discharge due lids.		(A)
Sample Location: Total Chlorine:			Slight Easily detected None				
Free Chlorine: Ammonia:	0 <sub>ppm</sub> 0.25 <sub>ppm</sub>		None Moderate	Condition /	Assessment —		
pH: Temperature	7.17 <sub>units</sub> 71 <sub>• F</sub>	Vegetation:	None	Graffiti: Erosion:	None None	200	o20161010140454.JPG
•	831 <sub>µS/cm</sub>	Benthic Growth: Stains:	None None	Deposition:		in.	2016
Detergents:	0 mg/L	Non-illicit:	None	Damage:	None		2010

Inspection Date:	8/19/2010 7	7:26:35 AM	Type: Ongoing	Flow:	Submerged, inde	eterminate	e Previous Rainfall (hrs): 72+
Submerged: Fully Depth (in): 51		•	Inspector: JCW		s ————————————————————————————————————	rom	ALL
Sampling Results Sample Location: Total Chlorine:	Pool 0 <sub>ppm</sub>	Odor:	Slight None None				
Free Chlorine: Ammonia: pH:	0 <sub>ppm</sub> 0 <sub>ppm</sub>	Color: Gross Solids:	Faint in bottle Slight	- Cond	dition Assessment		08 19 2010:02:17
Temperature Conductivity:	7.44 units 75 ∘ F µS/cm	Benthic Growth:	None None	Erosio Depos	on: None	0 in.	o20100819071738.JPG <b>2010</b>
Detergents:	0 <sub>mg/L</sub>	Non-illicit:	None	Dama	ige: None		2010

16-660 City of Oshkosh

Non-Priority Non-Major Outfall

## Structure Type:

Pond Inlet

#### **Discharge Location:**

MS4 Stormwater Facility

## NR 216 Class:

Supplemental Outfall

#### Shape:

Pipe - Circular

#### Material:

**RCP** 

## City ID:

N/A

#### -Dimensions

Diameter (in): 21

Height/Depth (in): Width (in):

# Mapping Precison:

Mapping GPS

■ Not Physically Located

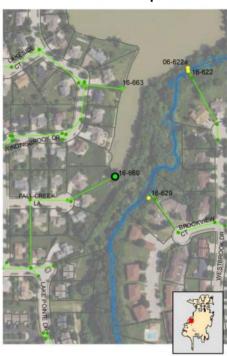


o20181025081246.JPG

#### **Outfall Notes:**

Storm sewer from Fall Creek Ln discharges to south end of detention basin.

County Coordinates:Latitude/Longitude:Northing:475,039Latitude:44.02263Easting:779,334Longitude:-88.58997



Inspection	Date:	10/25/2018 8:13:2	3 AM In	spector:	JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Submerged:	: Partiall		): 14	Notes:	•	ially submerged - at 16-660 US1. De			
Floatables: Odor:	None None	ential: Potential	Petrol.	Sheen	Suds [ ] Musty [ ] Fishy [	Sewage Cr	gae Other		Z
Turbidity: Color:	None None							o201810250812	252.JPG
Gross Solids		ht	Litter	<b>✓</b> \	Veg. Debris	Sediment	Other	2018	8
Vegetation: Benthic Gro Stains:			☐ Inhibite  ✓ Green  ✓ Flow Li  ☐ Paint	I	Excessive Brown Oil Other	Rust Stains		Sampling Results  Sample Location:  Sample ID:  Time Collected:	
Graffiti: Erosion: Deposition	Non Non n: Non	e e Depth (in):	☐ Natura	I Sheen	☐ Natural S	Suds/Foam		Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field):	ppm ppm ppm units ° F
Damage:	Non	e Displace Corrosic		Indercut Cracks/Str	Crus			Conductivity (field): Detergents:	μS/cm mg/L

16-660 City of Oshkosh

Inspection Date:	10/3/2017 1	11:03:37 AM	Type: Ongoing	Flow:	Submerged, indeter	minate	e Previous Rainfall (hrs): 72+
Illicit Discharge Pot Submerged: Partial —Sampling Results		otential epth (in): 12 Floatables:	Inspector: JCW	screer	I partially submerged ned upstream at 16-66 Detergent detected in		
Sample Location: Total Chlorine:	ppm		None None	sampl	e.		
Free Chlorine: Ammonia:	ppm ppm	Color: Gross Solids:	None None	Cond	lition Assessment —		
pH: Temperature	units ° F	Vegetation: Benthic Growth:	None Moderate	Graffit Erosio			o20171003110156.JPG
Conductivity: Detergents:	μS/cm mg/L		Moderate None	Depos		in.	2017

Inspection Date:	5/30/2012	10:59:58 AM	Type: Ongoing	Flow: Sub	merged, indeter	rminate	Previous Rainfall (hrs): 72+
Illicit Discharge Pot	ential: l	Jnlikely	Inspector: JCW	_Notes			
Submerged: Partial	•	Depth (in): 10			ally submerged ened upstream		
Sampling Results		Floatables:	None	16-660.	onou aponoum		
Sample Location:		Odor:	None			*	
Total Chlorine:	ppm	Turbidity:	None				
Free Chlorine:	ppm	Color:	None				
Ammonia:	ppm	Gross Solids:	Slight	Condition /	Assessment —		
pH:	units	Vegetation:	None	Graffiti:	None		
Temperature	∘ <i>F</i>	Benthic Growth:	Moderate	Erosion:	None		o20120530100048.JPG
Conductivity:	μS/cm	Stains:	Slight	Deposition:	Minor	1 in.	2012
Detergents:	mg/L	Non-illicit:	None	Damage:	None		2012

16-660 US1 City of Oshkosh

#### Structure Type:

Manhole

## **Discharge Location:**

Downstream Outfall

#### NR 216 Class:

Supplemental - Alternate Location

#### Shape:

Manhole/Catchbasin

#### Material:

Manhole - concrete

#### City ID:

16-660

#### **Dimensions**

Diameter (in):

Height/Depth (in):

Width (in):

## **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181025081622.JPG

#### **Outfall Notes:**

Upstream manhole located approx 257 ft WSW of outfall 16-660. Intermediate area consists of residential property.

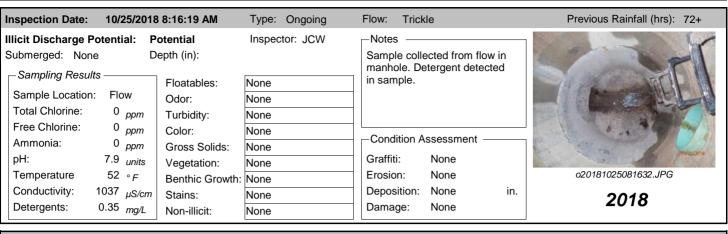
**County Coordinates:** Latitude/Longitude: Northing: 474,930 Latitude:

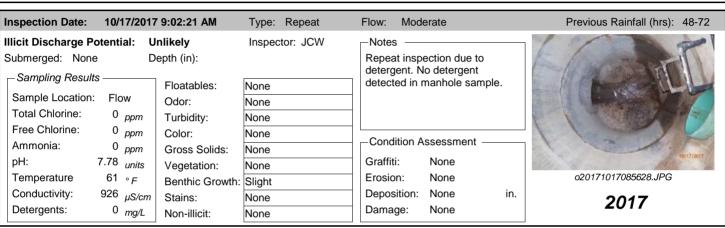
44.02233 Easting: 779,104 Longitude: -88.59084

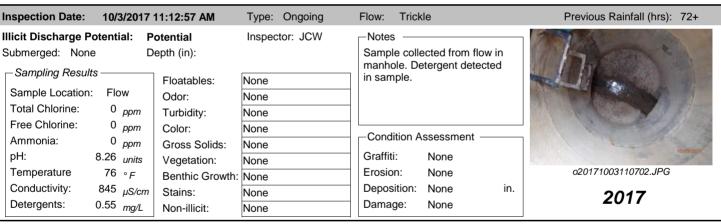


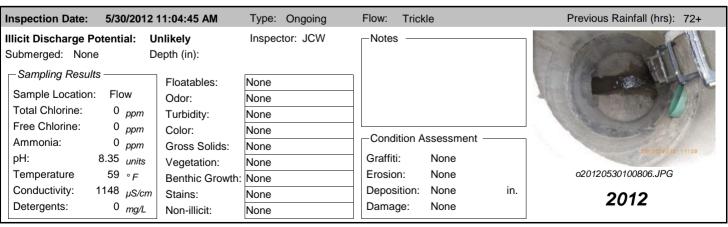
#### Inspection Type: Repeat **Inspection Date:** 10/26/2018 12:20:38 PM Inspector: **KMK** Previous Rainfall (hrs): 72+ Flow Description: Trickle Detergent detection follow-up. Limited Notes: screening conducted beyond sampling. Submerged: None Depth (in): Illicit Discharge Potential: Potential Petrol. Sheen Suds Sewage Algae Other Floatables: None Odor: None Petroleum Musty Sewage Chlorine Other ∇OC/Solvent Fishy Sulfur Fragrant Turbidity: None o20181025081632.JPG Color: None Gross Solids: None Litter ☐ Veg. Debris ☐ Sediment ☐ Other 2018 Vegetation: None Inhibited Excessive Sampling Results Benthic Growth: None Green Brown Sample Location: Flow Stains: Flow Line Oil Rust Stains None Sample ID: 181026-57 Paint Other Time Collected: 12:22 Natural Sheen Natural Suds/Foam Non-illicit: None Total Chlorine (field): 0 ppm Physical Condition Assessment Free Chlorine (field): ppm Ammonia (field): Graffiti: None 0 ppm Erosion: pH (field): units None 7.83 ۰F Deposition: None Depth (in): Temperature (field): 56 Damage: None Conductivity (field): 1063 μS/cm ☐ Displacement ☐ Undercut Crushed Detergents: 0.7 mg/L Corrosion Cracks/Structural Damage

16-660 US1 City of Oshkosh









16-844 City of Oshkosh

Priority Outfall

## Structure Type:

Closed Pipe Outfall

## Discharge Location:

Water of the State

#### NR 216 Class:

Minor Outfall

#### Shape:

Pipe - Circular

#### Material:

**RCP** 

# City ID:

N/A

## -Dimensions

Diameter (in): 18

Height/Depth (in):

Width (in):

## Mapping Precison:

Mapping GPS

■ Not Physically Located



o20181025085140.JPG

#### **Outfall Notes:**

Storm sewer from Koeller St discharges to stream from south.

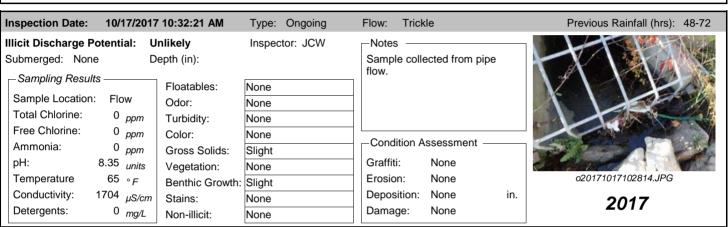
County Coordinates:Latitude/Longitude:Northing:476,529Latitude:44.02672Easting:781,598Longitude:-88.58137

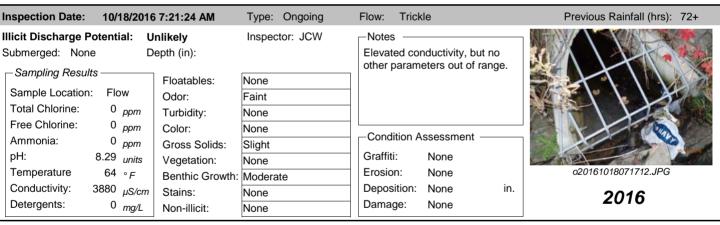


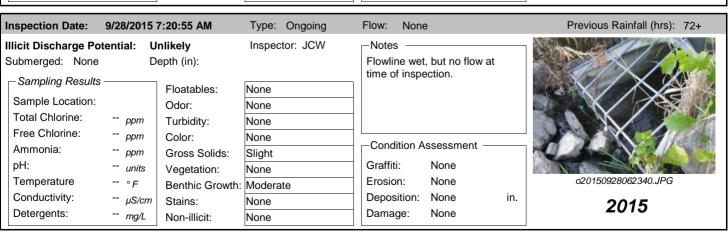
Inspection I	Date: 10/26	/2018 1:46:37 PM	Inspector:	KMK Ins	spection Type:	Repeat	Previous Rainfall (hrs):	72+	
Submerged:	ption: Trickl None arge Potential	Depth (in):	Notes:	•	ection follow-up nducted beyond				
Floatables: Odor: Turbidity:	None None None None		rol. Sheen  roleum  C/Solvent	Musty	Sewage	gae	020181025088	5152.JP	G
Gross Solids Vegetation:	None None	Litte		/eg. Debris   Excessive	Sediment [	Other	<b>201</b> Sampling Results	8	
Benthic Grov Stains:	Moderate None	✓ Gre	w Line	Brown Dil Other	Rust Stains		Sample Location: Flow Sample ID: 181 Time Collected: 13:4	026-42	2
Graffiti: Erosion: Deposition		Ssment  Depth (in):		Natural Sud			Total Chlorine (field): Free Chlorine (field): Ammonia (field): pH (field): Temperature (field):	0 0 0 8.19 56	ppm ppm ppm units ° F
Damage:	None	☐ Displacement ☐ Corrosion ☐	Undercut Cracks/Stru	Crusheuctural Damag			Conductivity (field): Detergents:		μS/cm mg/L

16-844 City of Oshkosh

Inspection Date:	10/25/2018	8:55:36 AM	Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+
Illicit Discharge Po	otential: Po	otential	Inspector: JCW	-Notes -	
Submerged: None		epth (in):		Sample collected from pipe flow. Detergent and elevated	
Sampling Result	s —	Floatables:	None	conductivity in sample.	
Sample Location:	Flow	Odor:	None		
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None		
Free Chlorine:	0 <sub>ppm</sub>	Color:	None		
Ammonia:	0 <sub>ppm</sub>	Gross Solids:	None	Condition Assessment ———	TO THE REAL PROPERTY.
pH:	8.22 <sub>units</sub>	Vegetation:	None	Graffiti: None	
Temperature	52 ∘ <sub>F</sub>	Benthic Growth:	Moderate	Erosion: None	o20181025085152.JPG
Conductivity:	3300 <sub>μS/cm</sub>	Stains:	None	Deposition: None in.	2018
	0.45 mg/L	Non-illicit:	None	Damage: None	2016







16-844 City of Oshkosh

nspection Date: 6/6/2012 11:	:50:55 AM	Type: Ongoing	Flow: Trickle	е	Previous Rainfall (hrs): 72+
Submerged: None De	<b>likely</b> pth (in):	Inspector: JCW	-Notes -		
Comple Leastion. Flour		Slight			
Tatal Ohlariaa		None None			
		None	Condition As	sessment —	
nlli 0.1		Slight None		None	AFF 2012
Towns a return 70	Benthic Growth:		Erosion:	None	o20120606105408.JPG
,	Stains:	Slight			in. <b>2012</b>
Detergents: 0 mg/L	Non-illicit:	None	Damage:	None	2012

16-995 City of Oshkosh

Non-Priority Non-Major Outfall

## Structure Type:

Closed Pipe Outfall

#### **Discharge Location:**

MS4 Stormwater Facility

#### NR 216 Class:

Minor Outfall

#### Shape:

Pipe - Circular

#### Material:

**HDPE** 

## City ID:

N/A

#### -Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):

## **Mapping Precison:**

Mapping GPS

■ Not Physically Located

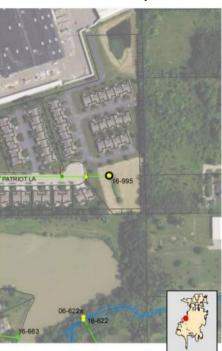


o20181025082458.JPG

#### **Outfall Notes:**

Storm sewer from Patriot Ln discharges to swale/dry pond that discharges to wet pond.

County Coordinates:Latitude/Longitude:Northing:476,252Latitude:44.02596Easting:779,836Longitude:-88.58806



Inspection	Date:	10/25/2018 8:27:	I <b>9 AM</b> In	spector:	JCW	Inspection Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descr	iption:	Submerged, inde	eterminate	Notes:		partially submerged -			
Submerged:	Parti	ally Depth (ii	n): 12		in samp	m at 16-995 US1. De ble.	etergent detected		
Illicit Disch	arge P	otential: Potentia	al						
Floatables:	None		Petrol.	Sheen [	Suds	Sewage Alg	gae 🗌 Other		W. S. W.
Odor:	None		Petrole		Musty	Sewage Cr	nlorine   Other		
Turbiditu	None		UVOC/S	olvent _	Fishy	Sulfur Fra	agrant		
								0201810250825	SOE IDC
Color:	None							0201610250625	000.JPG
Gross Solids	s: SI	ight	Litter	✓ '	Veg. Deb	ris Sediment	Other	2018	8
Vegetation:	No	one	Inhibite	ed 🔲	Excessive	Э	_	Sampling Results ———	
Benthic Grov	wth: No	one	Green		Brown			Sample Location:	
Stains:	No	one	Flow Li		Oil	Rust Stains		Sample ID:	
			Paint		Other			Time Collected:	
Non-illicit:	No	one	Natural	Sheen	☐ Natur	ral Suds/Foam			
— Physical (	Conditio	on Assessment —						Total Chlorine (field):	<i>ppm</i>
_								Free Chlorine (field):	<i>ppm</i>
Graffiti:		one						Ammonia (field):	ppm
Erosion:		one						pH (field):	units
Deposition		one Depth (in)	_					Temperature (field):	° F
Damage:	No	one Displac	cement U	Indercut	C	Crushed		Conductivity (field):	μS/cm
		Corros	ion C	Cracks/Str	uctural D	amage		Detergents:	mg/L

16-995 City of Oshkosh

Inspection Date:	10/3/2017	10:18:12 AM	Type: Ongoing	Flow:	Submerged, indete	rminate	Previous Rainfall (hrs): 72+
Illicit Discharge Po Submerged: Partia		otential epth (in): 8	Inspector: JCW		partially submerged		
Sample Location:	-	Floatables:	None		ned upstream at 16-9 Detergent detected ir e.		
Total Chlorine:	ppm	Odor: Turbidity:	None None				
Free Chlorine: Ammonia:	ppm ppm	Color: Gross Solids:	None None	-Cond	ition Assessment —		3 / J. J. J. W. W.
pH:	units	Vegetation:	None	Graffit			
Temperature Conductivity:	° F μS/cm	Benthic Growth: Stains:	Slight None	Erosio Depos		1 in.	o20171003101614.JPG
Detergents:	mg/L	Non-illicit:	None	Dama	ge: None		2017

Inspection Date:	6/6/2012 1	:21:40 PM	Type: Ongoing	Flow: Submerged, indeterminate Previous Rainfall (hrs): 72+
Submerged: Partially Depth (in): 9  Sampling Results			Inspector: JCW	No flow leaving pool at end of outfall. Deposition in swale
, ,	; ————————————————————————————————————	Floatables:	None	downstream. Screened
Sample Location:		Odor:	None	upstream at 16-995 US1.
Total Chlorine:	ppm	Turbidity:	None	
Free Chlorine:	ppm	Color:	None	
Ammonia:	ppm	Gross Solids:	Slight	Condition Assessment
pH:	units	Vegetation:	None	Graffiti: None
Temperature	∘ <i>F</i>	Benthic Growth:	Slight	Erosion: None 020120606122140.JPG
Conductivity:	μS/cm		Slight	Deposition: Moderate 8 in.
Detergents:	mg/L	Non-illicit:	None	Damage: None 2012

16-995 US1 City of Oshkosh

## Structure Type:

Manhole

## **Discharge Location:**

Downstream Outfall

#### NR 216 Class:

Minor Outfall - Alternate Location

#### Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

#### City ID:

16-995

#### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

## **Mapping Precison:**

Mapping GPS

■ Not Physically Located



o20181025082858.JPG

#### **Outfall Notes:**

Upstream manhole located approx 112 ft W of outfall 16-995. Intermediate area consists of open space.

**County Coordinates:** Latitude/Longitude: Northing: Latitude:

476,251 44.02596 Easting: 779,723 Longitude: -88.58849

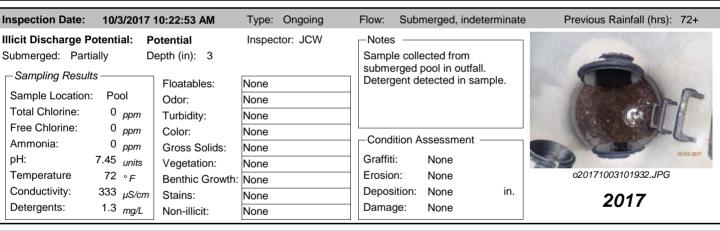


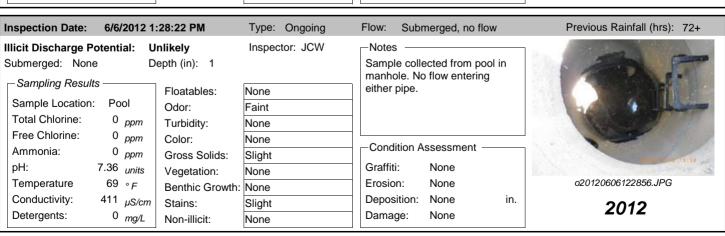
Notes:   Detergent detection follow-up. Limited screening conducted beyond sampling.   Notes:   Detergent detection follow-up. Limited screening conducted beyond sampling.	Inspection	Date: 10/26	/2018 12:12:28 PM	Inspector:	KMK Inspe	ction Type:	Repeat	Previous Rainfall (hrs):	72+		
Illicit Discharge Potential:   Potential   Potential   Potential   Potential   Petrol. Sheen   Suds   Sewage   Algae   Other   Odor:   None   Petroleum   Musty   Sewage   Chlorine   Other   VOC/Solvent   Fishy   Sulfur   Fragrant   Pragrant		•	,								
Floatables: None											
Odor: None	Illicit Discharge Potential: Potential										
Turbidity: None  Color: None  Gross Solids: None	Floatables:	None	Peti	rol. Sheen 🗌	Suds Sew	vage ☐ Alo	gae				
Turbidity: None  Color: None  Gross Solids: None	Odor:	None			, =	• _		N. S.			
Gross Solids: None	Turbidity:	None		C/Solvent	Fishy   Sulf	ur Fra	agrant		10/25/2010		
Vegetation: None	Color:	None						o20181025082	910.JPG		
Benthic Growth: None Green Brown  Stains: None Flow Line Oil Rust Stains Paint Other  Non-illicit: None Natural Sheen Natural Suds/Foam  Physical Condition Assessment Graffiti: None Erosion: None Deposition: None Depth (in): Damage: None Displacement Undercut Crushed  Sample Location: Pool Sample ID: 181026-59  Time Collected: 12:13  Total Chlorine (field): 0 ppm Free Chlorine (field): 0 ppm Ammonia (field): 0 ppm Ammonia (field): 0 ppm Free Chlorine (field): 54 ° F Conductivity (field): 54 ° F Conductivity (field): 1143 µS/cm	Gross Solid	s: None	Litte	er 🗌 V	/eg. Debris 🗌 S	ediment	Other	201	8		
Stains:    None	Vegetation:	None	Inhi	bited 🗌 E	excessive			Sampling Results ———			
Stains: None	Benthic Gro	wth: None	Gre	en 🗌 B	Brown			Sample Location: Poc	ı		
Non-illicit: None Natural Sheen Natural Suds/Foam  Physical Condition Assessment  Graffiti: None  Erosion: None Deposition: None Depth (in): Damage: None Displacement Undercut Crushed  Natural Suds/Foam  Time Collected: 12:13  Total Chlorine (field): 0 ppm  Free Chlorine (field): 0 ppm  Ammonia (field): 0 ppm  Ammonia (field): 0 ppm  Physical Conductivity (field): 54 ° F  Conductivity (field): 1143 µS/cm	Stains:	None				ust Stains		•			
Non-illicit: None			Pair	nt 📙 C	Other			•			
Physical Condition Assessment  Graffiti: None  Erosion: None  Deposition: None  Deposition: None  Deposition: None  Deposition: None  Displacement  Undercut  Crushed  Free Chlorine (field): 0 ppm  Ammonia (field): 0 ppm  pH (field): 8.02 units  Temperature (field): 54 ° F  Conductivity (field): 1143 µS/cm	Non-illicit:	None	☐ Nati	ural Sheen [	Natural Suds/F	-oam					
Graffiti: None  Erosion: None  Deposition: None  Deposition: None  Deposition: None  Deposition: None  Deposition: Damage: None  Displacement Undercut  Crushed  Description: Crushed  Description: Undercut  Crushed  Description: O ppm  pH (field): 0 ppm  pH (field): 8.02 units  Temperature (field): 54 ° F  Conductivity (field): 1143 µS/cm								` '			
Erosion: None  Deposition: None  Deposition: None  Depth (in):  Damage: None  Displacement  Undercut  Crushed  Displacement  Dis	'		oomone					,			
Deposition:       None       Depth (in):       Temperature (field):       54 ° F         Damage:       None       Displacement       Undercut       Crushed         Conductivity (field):       1143 μS/cm         Determine the conductivity (field):       0.95 μm/s/cm								,	- 1-1-		
Damage: None Displacement Undercut Crushed Conductivity (field): 1143 µS/cm			Donth (in):					. , ,			
Determents: 0.05 mg/l	· '		_ ` ` ` /	_				, ,	•		
Corrosion Cracks/Structural Damage Detergents: 0.85 mg/L	Damage:	ivone	Displacement					, , ,	-		
			Corrosion	_ Cracks/Stru	uctural Damage			Detergents:	0.85 <i>mg/L</i>		

16-995 US1 City of Oshkosh

Inspection Date:	10/25/2018	8:28:36 AM	Type: Ongoing	Flow:	Subm	nerged, indeterm	ninate	Previous Rainfall (hrs): 72+		
Illicit Discharge Pot	ential: Po	otential	Inspector: JCW	-Note:	s —					
Submerged: Partial	,	epth (in): 2				cted from oool in outfall.				
Sampling Results		Floatables:	None	Deter	Detergent detected in sample.					
Sample Location: Pool Odor:			None				96			
Total Chlorine:	0 <sub>ppm</sub>	Turbidity:	None							
Free Chlorine:	0 <sub>ppm</sub>	Color:	None				-			
Ammonia:	nmonia: 0 <sub>ppm</sub>		Slight	- Cond	Condition Assessment —					
pH: 7	'.86 <sub>units</sub>	Vegetation:	None	Graffit	ti:	None		10/25/2018		
Temperature	50 ∘ <sub>F</sub>	Benthic Growth:	None	Erosio	n:	None		o20181025082910.JPG		
Conductivity: 10	011 <sub>μS/cm</sub>	Stains:	None	Depos	sition:	None	in.	2018		
	0.4 mg/L	Non-illicit:	None	Dama	.ge:	None		2010		

Inspection Date: 10/17/2	017 8:51:34 AM	Type: Repeat	Flow: Submerged, indeterminate Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Submerged: Partially	Potential Depth (in): 7	Inspector: JCW	Repeat inspection due to detergent. Detergent detected
Sample Location: Pool	Floatables: Odor:	None None	in manhole sample.
Total Chlorine: 0 ppm	Turbidity:	None	
Free Chlorine: 0 ppm Ammonia: 0 ppm		None None	Condition Assessment
pH: 7.54 $\frac{1}{2}$ Temperature 61 $\frac{1}{2}$ F	r ogotatio	None	Graffiti: None co20171017084622.JPG
Conductivity: 582 $\mu$ S/c	m Stains:	None None	Deposition: None in.
Detergents: 0.8 mg/s	- Non-illicit:	None	Damage: None





16-1205 City of Oshkosh

Priority Outfall

## Structure Type:

Pond Inlet

## Discharge Location:

MS4 Stormwater Facility

## NR 216 Class:

Supplemental Outfall

#### Shape:

Pipe - Circular

#### Material:

**RCP** 

## City ID:

N/A

## -Dimensions

Diameter (in): 15

Height/Depth (in):

Width (in):

## **Mapping Precison:**

Mapping GPS

☐ Not Physically Located



o20181025083526.JPG

#### **Outfall Notes:**

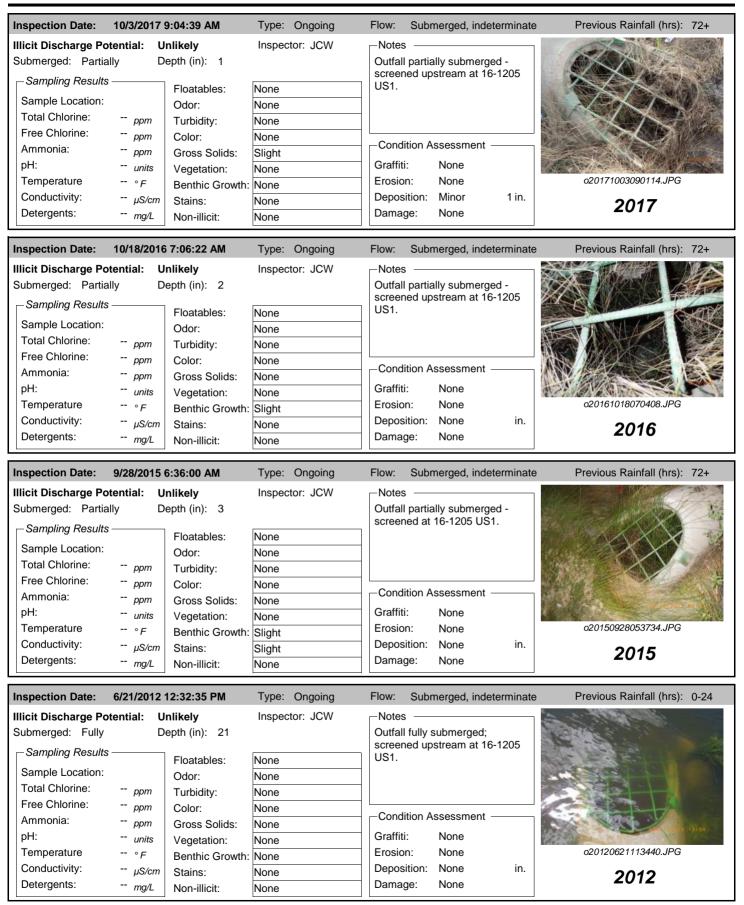
Curb inlet from Washburn St discharges to northeast corner of detention basin.

County Coordinates:Latitude/Longitude:Northing:478,346Latitude:44.03170Easting:779,977Longitude:-88.58753



Inspection	Date: 10/25	/2018 8:41:0	0 AM Ins	spector:	JCW	Inspection	n Type:	Ongoing	Previous Rainfall (hrs):	72+	
	iption: Subm	_		Notes:	upstrea	partially subm am at 16-1205	5 UŠ1. E	Detergent	1 100000		
Submerged:	Partially	Depth (in	). 5		detecte	ed in upstream	n manho	ole.			
Illicit Disch	arge Potential	: Potentia	I								
Floatables:	None		Petrol.	Sheen _	Suds	Sewage	Al	gae 🗌 Other			
Odor:	None			Petroleum Musty Sewage Chlorine Other							
			☐ VOC/So	olvent _	Fishy	Sulfur	Fr	agrant			
Turbidity:	None										
Color:	None								o201810250835	538.JPG	
Gross Solids	s: Slight		✓ Litter	<b>✓</b>	Veg. Deb	oris 🗌 Sedin	nent [	Other	201	8	
Vegetation:	None		Inhibite	d 🔲	Excessiv	е			Sampling Results ———		
Benthic Grov	wth: None		Green		Brown				Sample Location:		
Stains: None			Flow Line Oil Rust Stains						Sample ID:		
				Paint Other					'		
Non-illicit:	None		Natural	Sheen	en Natural Suds/Foam			Time Collected:			
Physical Condition Assessment			Natural Oncon   Natural Oddo/i odin					Total Chlorine (field):	<i>ppm</i>		
,	Condition Asse	ssment —							Free Chlorine (field):	<i>ppm</i>	
Graffiti:	None								Ammonia (field):	<i>ppm</i>	
Erosion:	None								pH (field):	units	
Deposition	n: Minor	Depth (in):	2						Temperature (field):	° <i>F</i>	
Damage:	None	☐ Displace	ement U	ndercut		Crushed			Conductivity (field):	μS/cm	
		Corrosio	on C	racks/Str	uctural D	Damage			Detergents:	mg/L	

16-1205 City of Oshkosh



16-1205 US1 City of Oshkosh

### Structure Type:

Inlet/Catchbasin

### Discharge Location:

Downstream Outfall

### NR 216 Class:

Supplemental - Alternate Location

### Shape:

Manhole/Catchbasin

### Material:

Manhole - concrete

### City ID:

16-1205

### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

### **Mapping Precison:**

Mapping GPS

☐ Not Physically Located



o20181025083902.JPG

### **Outfall Notes:**

Upstream curb inlet located approx 36 ft NE of outfall 16-1205. Intermediate area consists of open space.

County Coordinates: Latitude/Longitude:

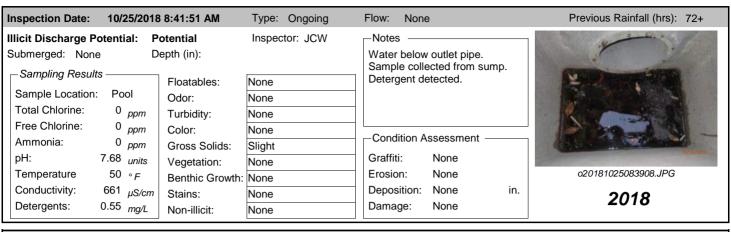
Northing: 478,371 Latitude: 44.03177 Easting: 780,002 Longitude: -88.58744

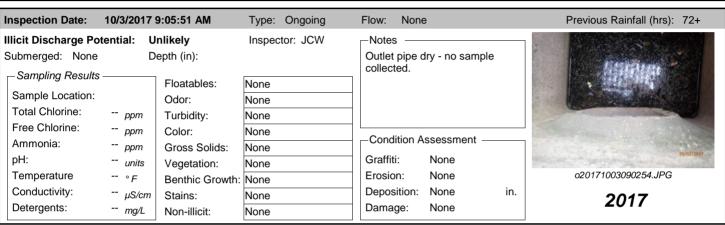
### Location Map

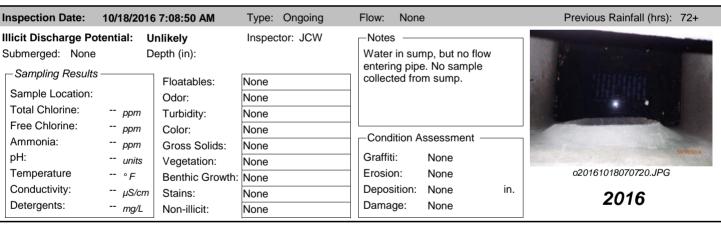


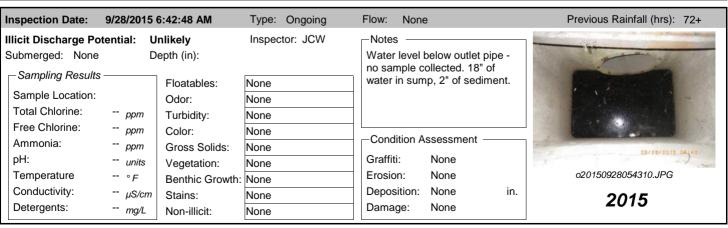
Inspection	Date: 10	)/26/2018 11:48:36	AM Ins	spector:	KMK	Inspect	tion Type:	Repeat	Previous Rainfall (hrs):	72+	
Flow Descri Submerged:	-	ubmerged, no flow Depth (in):	v	Notes:	J			ip. Limited d sampling.	1	-	
Illicit Disch	arge Poten	tial: Potential							7	+	
Floatables:	None		Petrol. S	Sheen 🗌	Suds	Sewa	ge 🗌 Al	gae	r		<b>O</b>
Odor:	None		Petrole	_	] Musty ] Fishy	Sewa	J -	hlorine	r		
Turbidity:	None										TOTATION
Color:	None								o2018102508	3908.JF	PG .
Gross Solids	s: None		Litter	_ \ \	√eg. Deb	ris 🗌 Se	diment [	Other	201	18	
Vegetation:	None		Inhibited	d 🗌 l	Excessive	e		Г	-Sampling Results		
Benthic Grov	wth: None		Green		Brown				Sample Location: Poo	nl.	
Stains:	None		Flow Lir	ne 🗌 (	Oil	Ru	st Stains		·	026-0	5
			Paint		Other				Time Collected: 11:		
Non-illicit:	None		Natural	Sheen	☐ Natur	al Suds/Fo	oam		Total Chlorine (field):	0	ppm
-Physical (	Condition A	ssessment ——							Free Chlorine (field):	0	ррт
Graffiti:	None								Ammonia (field):	0	ррт
Erosion:	None								pH (field):	7.42	units
Deposition	n: None	Depth (in):							Temperature (field):	52	°F
Damage:	None	Displacem	nent 🗌 U	ndercut		crushed			Conductivity (field):		μS/cm
		Corrosion	C	racks/Str	uctural D	amage			Detergents:	0.5	mg/L

16-1205 US1 City of Oshkosh









16-1205 US1 City of Oshkosh

Inspection Date:	6/21/2012	12:35:14 PM	Type: Ongoing	Flow:	Subm	erged, indeterm	ninate	Previous Rainfall (hrs): 0-24
Illicit Discharge Po	tential: U	nlikely	Inspector: JCW	-Notes	s —			
Submerged: Fully		epth (in): 32		Grate for sar		not be removed		
Sampling Results		Floatables:	None					
Sample Location:		Odor:	None					
Total Chlorine:	ppm	Turbidity:	None					1.00
Free Chlorine:	ppm	Color:	None					The same of the sa
Ammonia:	ppm	Gross Solids:	None	Cond	ition As	ssessment ——		
pH:	units	Vegetation:	None	Graffit	i:	None		
Temperature	∘ <i>F</i>	Benthic Growth:	None	Erosic	n:	None		o20120621113808.JPG
Conductivity:	μS/cm	Stains:	None	Depos	ition:	None	in.	2012
Detergents:	mg/L	Non-illicit:	None	Dama	ge:	None		2012

16-1508 City of Oshkosh

Priority Outfall

### Structure Type:

Closed Pipe Outfall

### **Discharge Location:**

Water of the State

### NR 216 Class:

Major Outfall

### Shape:

Pipe - Circular

### Material:

**RCP** 

### City ID:

N/A

### -Dimensions

Diameter (in):

Height/Depth (in): 44
Width (in): 72

### **Mapping Precison:**

Mapping GPS

☐ Not Physically Located



o20181025090008.JPG

### **Outfall Notes:**

Westfield St storm sewer discharges to stream from south. Replaces outfall 16-487 (2011).

County Coordinates:Latitude/Longitude:Northing:477,157Latitude:44.02845Easting:782,760Longitude:-88.57695

# ROBIN AVE 16-1508

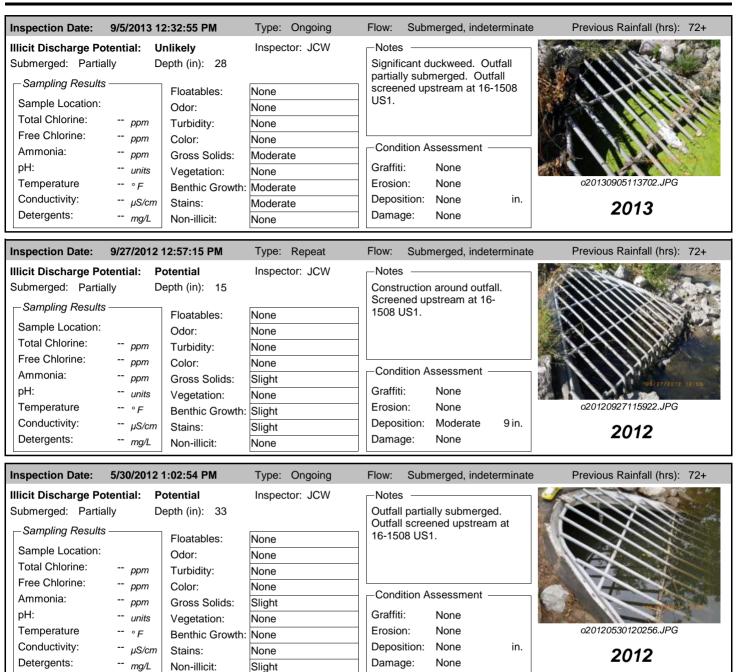
**Location Map** 

Inspection [	Date: 10/25/	2018 9:02:2	6 AM In:	spector:	JCW Inspe	ction Type:	Ongoing	Previous Rainfall (hrs):	72+
Flow Descri	ption: Subm	erged, inde	terminate	Notes:	Outfall partially s	_	- screened		
Submerged:	Partially	Depth (in	): 29		upstream at 16-1	1508 US1.			
Illicit Discha	arge Potential:	Unlikely							
Floatables:	None		Petrol.	Sheen 🗌	Suds Sew	age 🗌 Al	lgae 🗌 Other		
Odor:	None		Petrole	um 🗌	Musty Sew	age 🗌 Cl	hlorine   Other		
-			UOC/S	olvent 🗌	Fishy Sulf	ur 🗌 Fr	ragrant		
Turbidity:	None								210, 100
Color:	None							0201810250900	016.JPG
Gross Solids	: Slight		Litter	<b>✓</b> \	/eg. Debris 🗌 S	ediment [	Other	201	8
Vegetation:	None		Inhibite	d 🗌 E	Excessive			Sampling Results ———	
Benthic Grov	vth: Moderate		✓ Green	E	Brown			Sample Location:	
Stains:	None		Flow Li	ne 🗌 C	Dil 🗌 R	ust Stains		Sample ID:	
			Paint		Other			·	
Non-illicit:	None		Natural	Sheen	Natural Suds/	oam		Time Collected:	
⊢Phvsical C	Condition Asses	ssment —				7		Total Chlorine (field): Free Chlorine (field):	ppm
Graffiti:	None							Ammonia (field):	ppm ppm
Erosion:	None							pH (field):	units
Deposition	n: None	Depth (in):						Temperature (field):	° <i>F</i>
Damage:	None	Displace	ement U	ndercut	Crushed			Conductivity (field):	μS/cm
		Corrosio	on 🗌 C	racks/Str	uctural Damage			Detergents:	mg/L
-									

16-1508 City of Oshkosh



16-1508 City of Oshkosh



16-1508 US1 City of Oshkosh

### Structure Type:

Manhole

### Discharge Location:

Downstream Outfall

### NR 216 Class:

Major Outfall - Alternate Location

### Shape:

Manhole/Catchbasin

### Material:

Manhole - concrete

### City ID:

16-1508

### -Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

### **Mapping Precison:**

Mapping GPS

☐ Not Physically Located



o20181025090222.JPG

### **Outfall Notes:**

Upstream manhole located approx 83 ft SW of outfall 16-487. Intermediate area consists of open space. Replaces 16-487 US1 (2011).

County Coordinates: Latitude/Longitude:

Northing: 477,118 Latitude: 44.02834 Easting: 782,694 Longitude: -88.57720

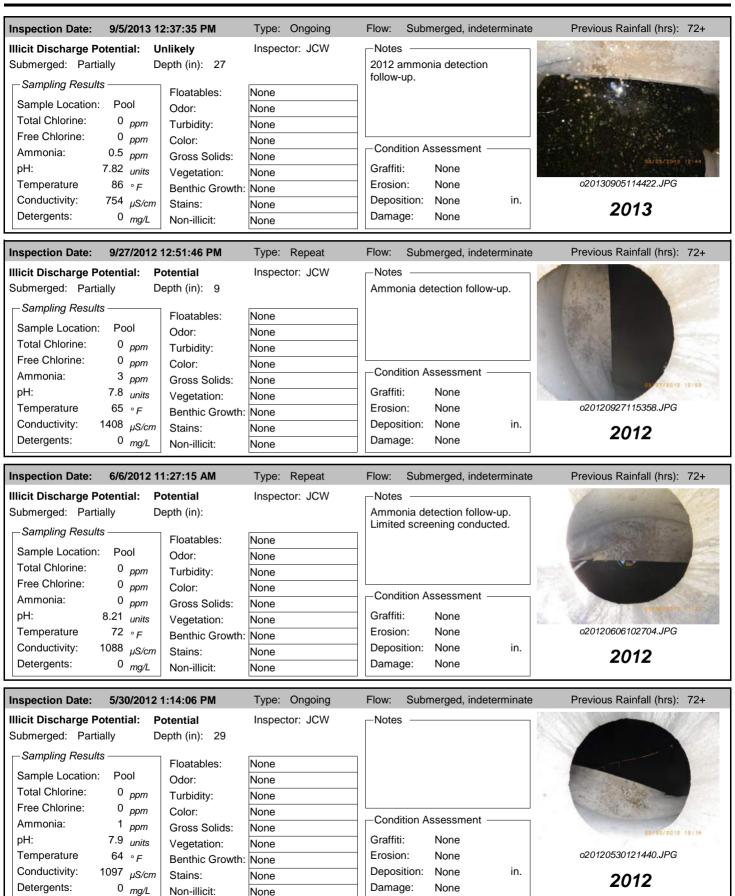


Inspection	Date:	10/25/2018 9:04	<b>43 AM</b> Ir	nspector:	JCW	Inspection Typ	e: Ongoing	Previous Rainfall (hrs):	72+	
Flow Descr Submerged:	-	n: Submerged, ind		Notes:	Sample manhole	collected from su e.	ibmerged pool in			
Illicit Disch	arge	Potential: Unlikel	/						- T	300
Floatables:	None	)	Petrol.	Sheen	Suds	Sewage	Algae Othe	er Maria		
Odor:	None	)	Petrole	_	Musty	Sewage	Chlorine Othe	er film		-
Turbidity:	None	)		Solvent	Fishy	Sulfur	Fragrant			hi cozma
Color:	None	)	1					020181025090	232.JPG	
Gross Solids	s: I	None	Litter		Veg. Deb	ris   Sediment	Other	201	8	
Vegetation:	[	None	Inhibite	ed 🗌	Excessive	)		Sampling Results		
Benthic Gro	wth: I	None	Green		Brown			Sample Location: Pool	I	
Stains:	I	None	Flow L		Oil	Rust Stair	ıs	•	025-51	
	_		Paint		Other			Time Collected: 09:0	1	
Non-illicit:	I	None	Natura	l Sheen	Natur	al Suds/Foam		Total Chlorine (field):	0 pp	рт
-Physical (	Cond	ition Assessment —						Free Chlorine (field):	0 pt	pm
Graffiti:	ı	None						Ammonia (field):	0 <i>p</i> r	pm
Erosion:	ı	None						pH (field):	8.01 <i>ur</i>	nits
Depositio	n: l	None Depth (in	:					Temperature (field):	51 ° /	F
Damage:	ı	None Displa	cement 🔲 l	Jndercut	□ C	rushed		, ,	•	S/cm
		Corros	ion 🗌 (	Cracks/St	ructural D	amage		Detergents:	0 m	ng/L

16-1508 US1 City of Oshkosh



16-1508 US1 City of Oshkosh



OakwoodPondOut City of Oshkosh

Non-Priority Major Outfall

### Structure Type:

Closed Pipe Outfall

### **Discharge Location:**

Adjacent Municipality

### NR 216 Class:

Major Outfall

### Shape:

Pipe - Circular

### Material:

**RCP** 

### City ID:

N/A

### -Dimensions

Diameter (in): 18

Height/Depth (in):

Width (in):

### Mapping Precison:

Mapping GPS

☐ Not Physically Located



o20181024145056.JPG

### **Outfall Notes:**

Detention basin discharges to railroad right-of-way via grass swale.

County Coordinates:Latitude/Longitude:Northing:462,909Latitude:43.98934Easting:775,247Longitude:-88.60544

# Location Map



Inspection I	Date: 10/24/2	2018 2:53:41	1 PM	nspector	: JCW	Inspec	tion Type:	Ongoing	Previous Rainfall (h	rs): 72+	
	iption: Trickle		۸.	Notes	: Sample	e collected	from flow a	at end of pipe.			
Submerged:	None	Depth (in)	):							X	
Illicit Discha	arge Potential:	Unlikely								<b>/</b> \	T . 1
Floatables:	None		Petrol.	Sheen [	Suds	Sewa	ge	gae 🗌 Othe	er 💮 📉 🔀		
Odor:	None		Petrol	eum [	Musty	Sewa	ige 🗌 Cl	nlorine 🗌 Othe	er		*
			□ VOC/S	Solvent [	Fishy	Sulfu	r 🗌 Fr	agrant			
Turbidity:	None									ASS.	
Color:	None								o2018102	4145100.JF	PG
Gross Solids	s: None		Litter		] Veg. Deb	oris 🗌 Se	diment [	Other	2	018	
Vegetation:	None		Inhibit	ed	Excessiv	е			—Sampling Results —		
Benthic Grov	wth: Moderate		✓ Green		Brown				Sample Location:	Flow	
Stains:	None		☐ Flow L	ine [	] Oil	Ru	st Stains		•		0
			Paint		Other				•	181024-9	U
Non-illicit:	None		Notura	al Sheen	□ Notu	ral Suds/F	nam		Time Collected:	14:52	
			INAIUI	ai Sileeii	INatu	iai Suus/ii	Jaiii		Total Chlorine (field)	0	ppm
Physical (	Condition Asses	sment —							Free Chlorine (field):	0	ppm
Graffiti:	None								Ammonia (field):	0	ppm
Erosion:	None								pH (field):	8.05	units
Deposition	n: None	Depth (in):							Temperature (field):	53	°F
Damage:	None	Displace	ement 🔲	Undercu	t 🔲 (	Crushed			Conductivity (field):	531	μS/cm
		Corrosio	on 🗌	Cracks/S	Structural D	Damage			Detergents:	0	mg/L
·											

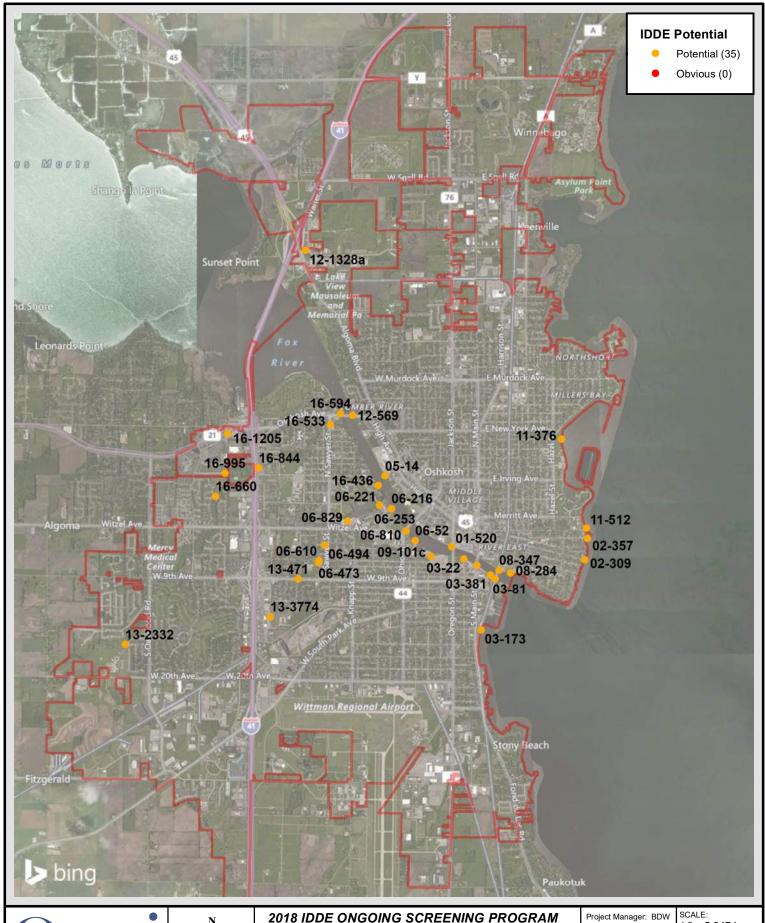
OakwoodPondOut City of Oshkosh

Inspection Date:	7/30/2013	9:47:56 AM	Type: Ongoing	Flow:	Submerged, indetermine	ninate Previous Rainfall (h	nrs): 72+
Illicit Discharge F Submerged: Part	tially [	<b>Jnlikely</b> Depth (in): 5	Inspector: JCW		tream screening point		
Sampling Result Sample Location Total Chlorine:	: Pool 0 <sub>ppm</sub>	Odor:	None None None	pool.			
Free Chlorine: Ammonia: pH:	0 <sub>ppm</sub> 0 <sub>ppm</sub> 8.46 <sub>units</sub>	Gross Solids:	None None	- Condit	ion Assessment —		
Temperature Conductivity: Detergents:	72 ° F 804 <sub>µS/cm</sub> 0 <sub>mg/L</sub>		Moderate Slight None	Erosior Deposi Damag	tion: None	in. 020130730085048.3	IPG

## **Appendix C**

# **Outfall Condition Summary Maps**

- C-1 Outfalls with Potential Illicit Discharges
- C-2 Outfalls with Damage
- C-3 Outfalls with Deposition
- C-4 Outfalls with Erosion
- C-5 Outfalls with Graffiti







**OUTFALLS WITH POTENTIAL** 

WINNEBAGO COUNTY, WISCONSIN

**ILLICIT DISCHARGES** CITY OF OSHKOSH

Project Manager: BDW Project Engineer: JCW Drawn By: .ICW Checked By: BDW

1"=5,047' PROJECT NO. N2029C18

1/23/2018

FIGURE NO. C-1







# 2018 IDDE ONGOING SCREENING PROGRAM OUTFALLS WITH DAMAGE

CITY OF OSHKOSH WINNEBAGO COUNTY, WISCONSIN Project Manager: BDW Project Engineer: JCW Trawn By: JCW Phecked By: BDW

SCALE: 1 " = 7,000 ' PROJECT NO. N2029C18

Date: 1/15/2019

19 FIGURE NO. **C-2** 







# **OUTFALLS WITH DEPOSITION**

CITY OF OSHKOSH WINNEBAGO COUNTY, WISCONSIN

Project Manager: BDW Project Engineer: JCW Drawn By: JCW Checked By: BDW

PROJECT NO. N2029C18

FIGURE NO. 1/15/2019 Date: C-3





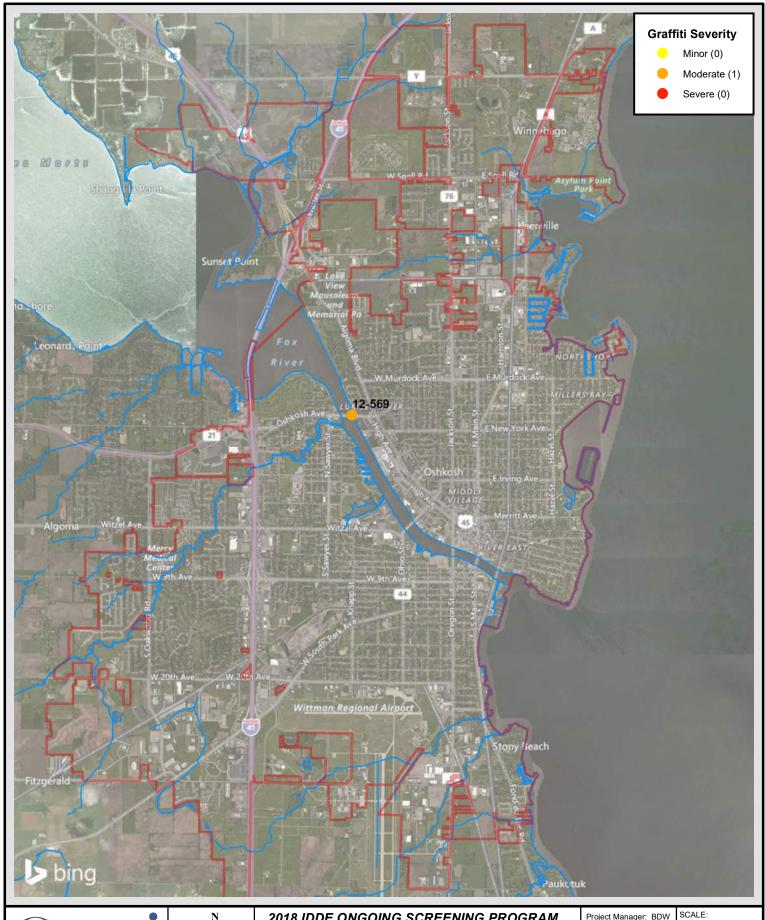


# 2018 IDDE ONGOING SCREENING PROGRAM OUTFALLS WITH EROSION

CITY OF OSHKOSH WINNEBAGO COUNTY, WISCONSIN Project Manager: BDW Project Engineer: JCW Drawn By: JCW Phecked By: BDW

1 " = 7,000 ' PROJECT NO. **N2029C18** 

Date: 1/15/2019 FIGURE NO. **C-4** 







### 2018 IDDE ONGOING SCREENING PROGRAM **OUTFALLS WITH GRAFFITI**

CITY OF OSHKOSH WINNEBAGO COUNTY, WISCONSIN

Project Manager: BDW 1 " = 7,000 ' Project Engineer: JCW Drawn By: JCW Checked By: BDW

PROJECT NO. N2029C18 FIGURE NO.

Date: 1/23/2018 C-5

# **Appendix D**

# Additional Information for Outfalls with Potential Illicit Discharges

Upstream Manholes with Significant Floatable Debris Area Maps for Outfalls with Potential Illicit Discharges







MANHOLES WITH FLOATABLE GROSS SOLIDS

CITY OF OSHKOSH WINNEBAGO COUNTY, WISCONSIN Project Manager: BDW Project Engineer: JCW Trawn By: JCW Pohecked By: BDW

PROJECT NO. **N2029C18** 

Date: 1/15/2019

FIGURE NO.

Table 1 - History of manholes with significant gross solids

Manhole ( <i>City ID</i> )	2009 Initial Screening (September 2009)	2010 Ongoing Screening (October 2010)	2011 Ongoing Screening (October 2011)	2012 Ongoing Screening (June 2012)	2012 Repeat Screening (September 2012)	2013 Ongoing Screening (July 2013)	2014 Ongoing Screening (July 2013)	2015 Ongoing Screening (September 2015)	2016 Ongoing Screening (October 2016)	2017 Ongoing Screening (October 2017)	2018 Ongoing Screening (October 2018)	2018 IDDE Potential
01-132 US1 (01-132)		15.20 - 201		507W331E :								
01-520 US1 (01-520)	G), 61 - 222 11	U 0.30	COE.	1 (3512 v	A TAY OF		LESSOT A	So eat older of				Potential
01-642 US1 (01-642)								No. of the last of				
02-309 US1 (02-309)			A consider to					ALCO 19.00				Potential
02-357 US1 (02-357)								di 13 37				Potential
03-22 US1 (03-22)												Potential

Manhole (City ID)	2009 Initial Screening (September 2009)	2010 Ongoing Screening (October 2010)	2011 Ongoing Screening (October 2011)	2012 Ongoing Screening (June 2012)	2012 Repeat Screening (September 2012)	2013 Ongoing Screening (July 2013)	2014 Ongoing Screening (July 2013)	2015 Ongoing Screening (September 2015)	2016 Ongoing Screening (October 2016)	2017 Ongoing Screening (October 2017)	2018 Ongoing Screening (October 2018)	2018 IDDE Potential
03-35 US1 (03-35)	12,16,2000 00											Potential
03-81 US1 (03-81)	(8) (8) Apple 14						11 10/21 1	The section of				Potential)
03-173 US1 (03-170)		Screened at US2	Screened at US2				Screened at US2	Screened at US2	Screened at US2	Screened at US2		Potential
03-173 US2 (03-170)		7210									Screened at US1	
03-381 US1 (03-381)		W 14 2010						akazot (s. a)				Potential
05-14 US1 (05-14)												Potential

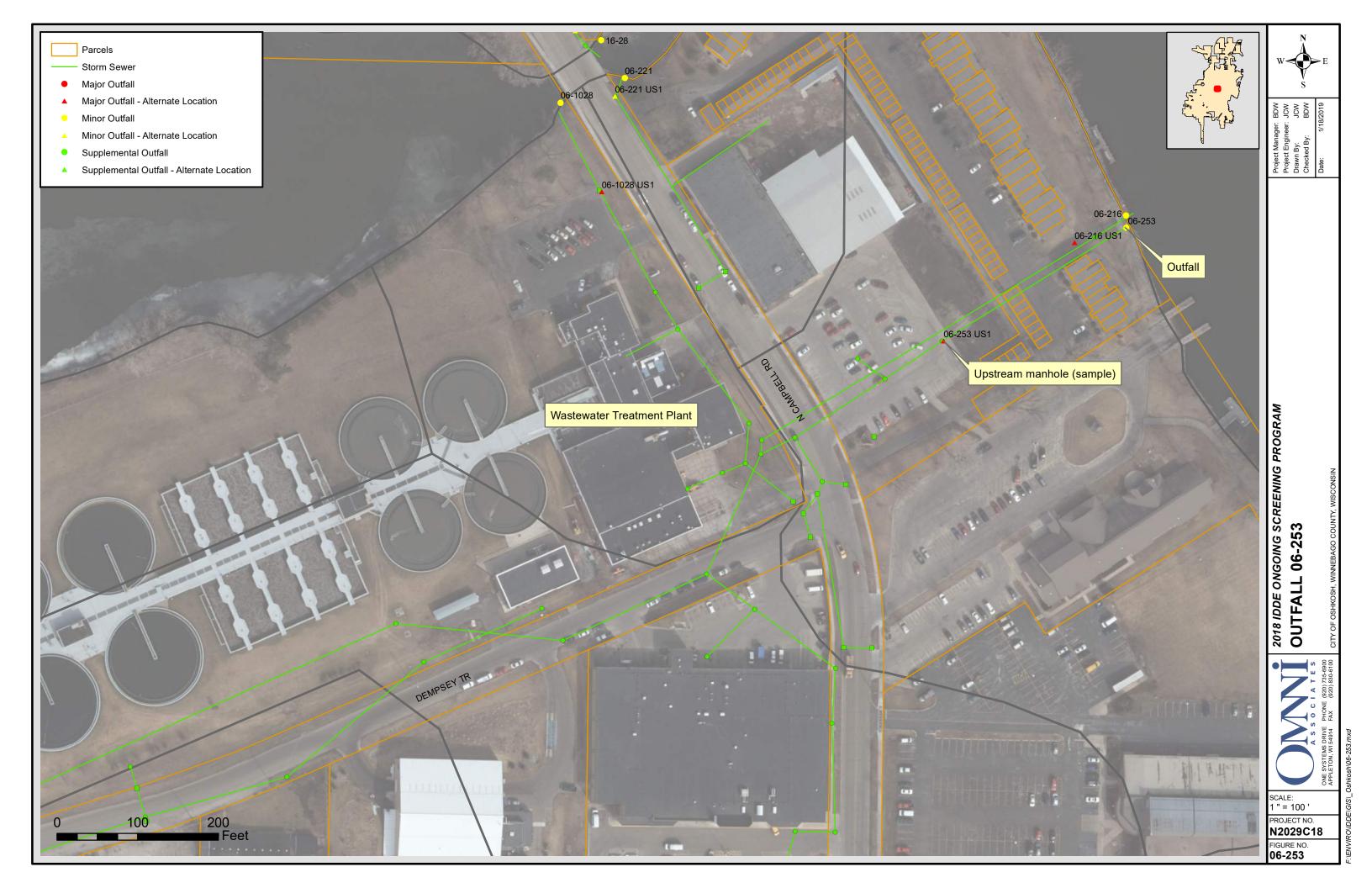
Manhole (City ID)	2009 Initial Screening (September 2009)	2010 Ongoing Screening (October 2010)	2011 Ongoing Screening (October 2011)	2012 Ongoing Screening (June 2012)	2012 Repeat Screening (September 2012)	2013 Ongoing Screening (July 2013)	2014 Ongoing Screening (July 2013)	2015 Ongoing Screening (September 2015)	2016 Ongoing Screening (October 2016)	2017 Ongoing Screening (October 2017)	2018 Ongoing Screening (October 2018)	2018 IDDE Potential
05-264 US1 (05-264)												
06-52 US1 (06-52)												Potential
06-221 US1 (06-221)		d 1 2										Potential
06-560 US1 (06-560)		(outfall removed and replaced with outfall 06-2241)										
06-829 US1 (06-831)							67/23.4					Potential
06-1028 US1 (06-1028)		0 120:		8617								

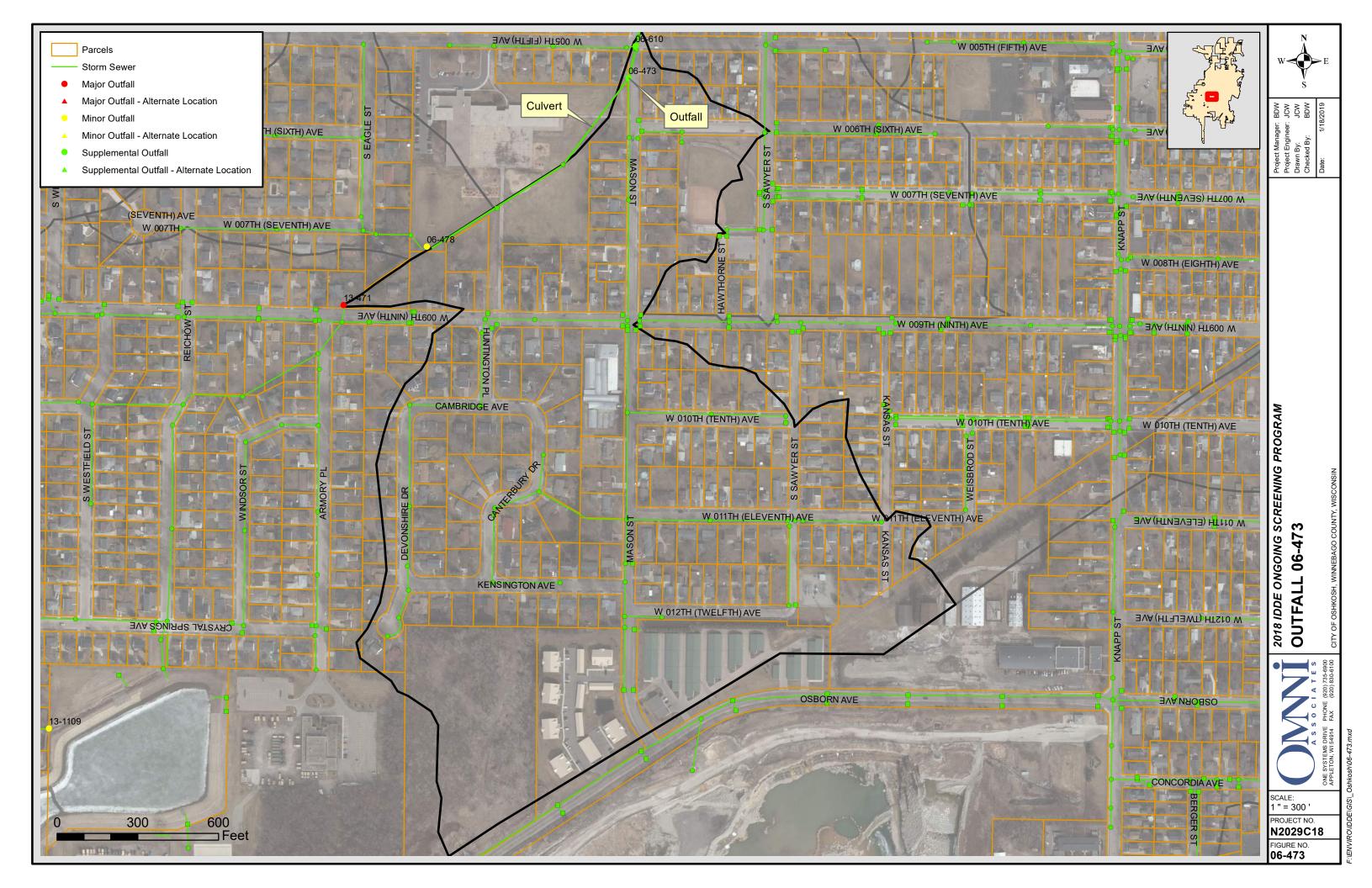
Manhole (City ID)	2009 Initial Screening (September 2009)	2010 Ongoing Screening (October 2010)	2011 Ongoing Screening (October 2011)	2012 Ongoing Screening (June 2012)	2012 Repeat Screening (September 2012)	2013 Ongoing Screening (July 2013)	2014 Ongoing Screening (July 2013)	2015 Ongoing Screening (September 2015)	2016 Ongoing Screening (October 2016)	2017 Ongoing Screening (October 2017)	2018 Ongoing Screening (October 2018)	2018 IDDE Potential
06-1694 US1 (06-1694)			- St. (Bragger)									
08-284 US1 (08-284)												Potential
08-347 US1 (08-347)												Potential
08-364 US1 (08-364)										(not screened due to construction)		
09-101c US1 (09-47)	pt 11.200.10	11 20 201		and the same of th								Potential
11-376 US1 (11-376)			Tar et a									Potential

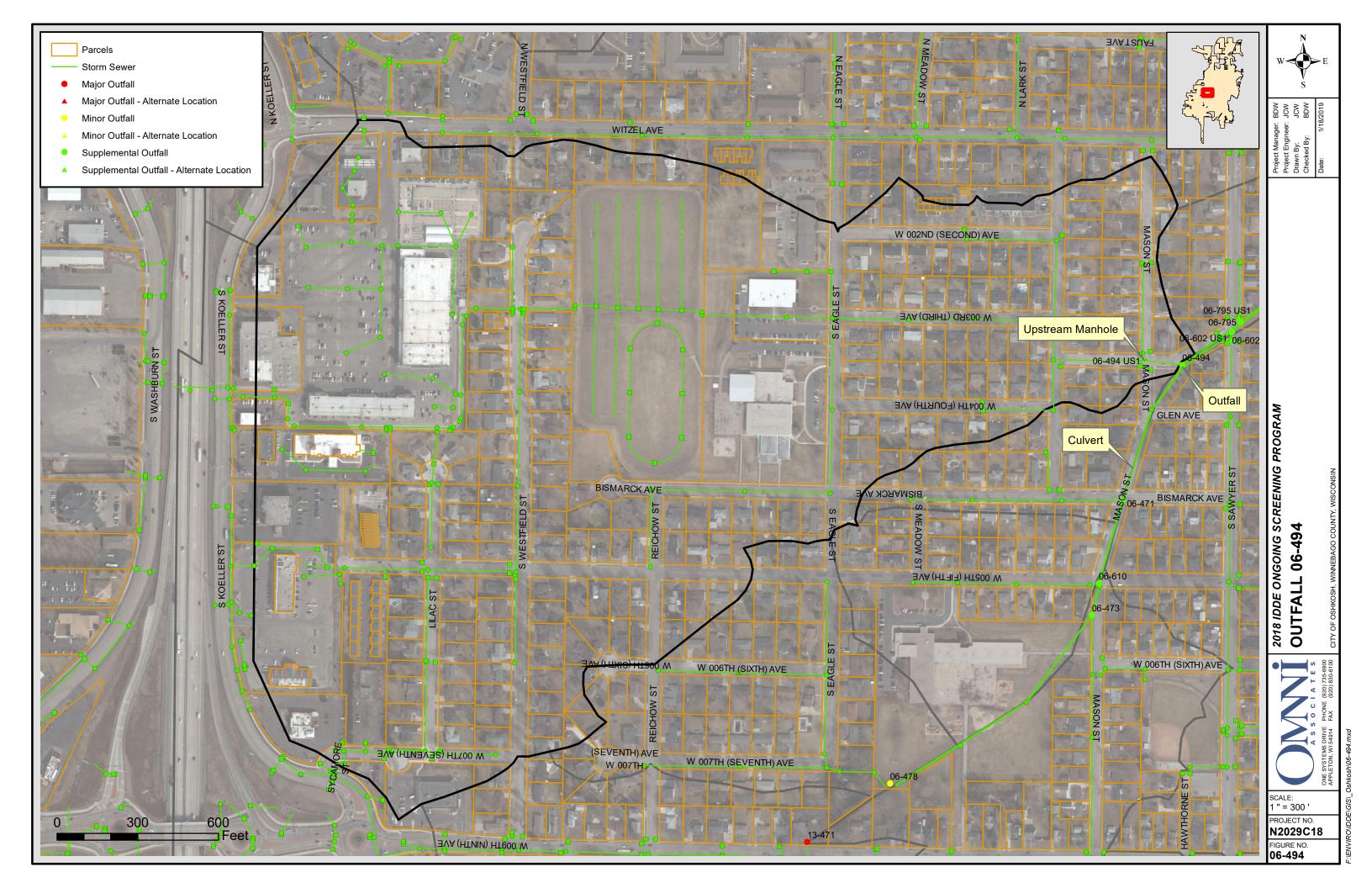
Manhole ( <i>City ID</i> )	2009 Initial Screening (September 2009)	2010 Ongoing Screening (October 2010)	2011 Ongoing Screening (October 2011)	2012 Ongoing Screening (June 2012)	2012 Repeat Screening (September 2012)	2013 Ongoing Screening (July 2013)	2014 Ongoing Screening (July 2013)	2015 Ongoing Screening (September 2015)	2016 Ongoing Screening (October 2016)	2017 Ongoing Screening (October 2017)	2018 Ongoing Screening (October 2018)	2018 IDDE Potential
11-465 US1 (11-465)	an u	(outfall removed and replaced with pump station/outfall 11-465a)										
11-512 US1 (11-512)					S1,8750 12							Potential
12-569 US1 (12-569)		G1.14.2010	A143211.33									Potential
12-576 US1 (12-576)							BANZE		TO THE STATE OF TH			Unlikely
14-1075 US1 (14-1075)												
15-636 US1 (15-2650)												

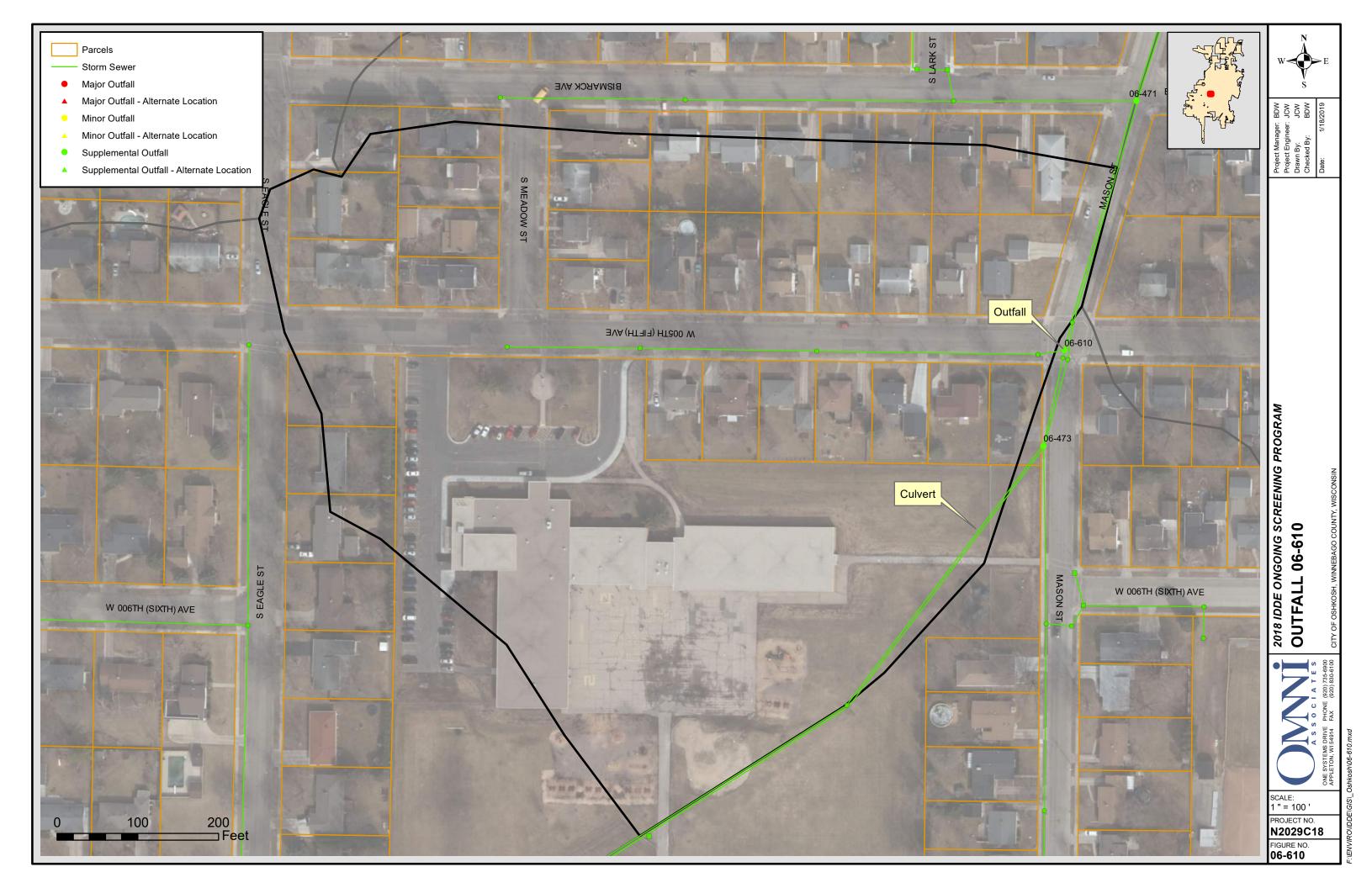
Manhole (City ID)	2009 Initial Screening (September 2009)	2010 Ongoing Screening (October 2010)	2011 Ongoing Screening (October 2011)	2012 Ongoing Screening (June 2012)	2012 Repeat Screening (September 2012)	2013 Ongoing Screening (July 2013)	2014 Ongoing Screening (July 2013)	2015 Ongoing Screening (September 2015)	2016 Ongoing Screening (October 2016)	2017 Ongoing Screening (October 2017)	2018 Ongoing Screening (October 2018)	2018 IDDE Potential
16-28 US1 (16-28)												
16-71 US1 (16-71)		M. 15 221										
16-142 US1									The state of the s			Unlikely
16-201 US1		2015										
16-396 US1 (16-396)			18/12/2014 10				(Behind locked fence – manhole not screened)					
16-436 US1 (16-436)		n d ave					(Behind locked fence – manhole not screened)					Potential

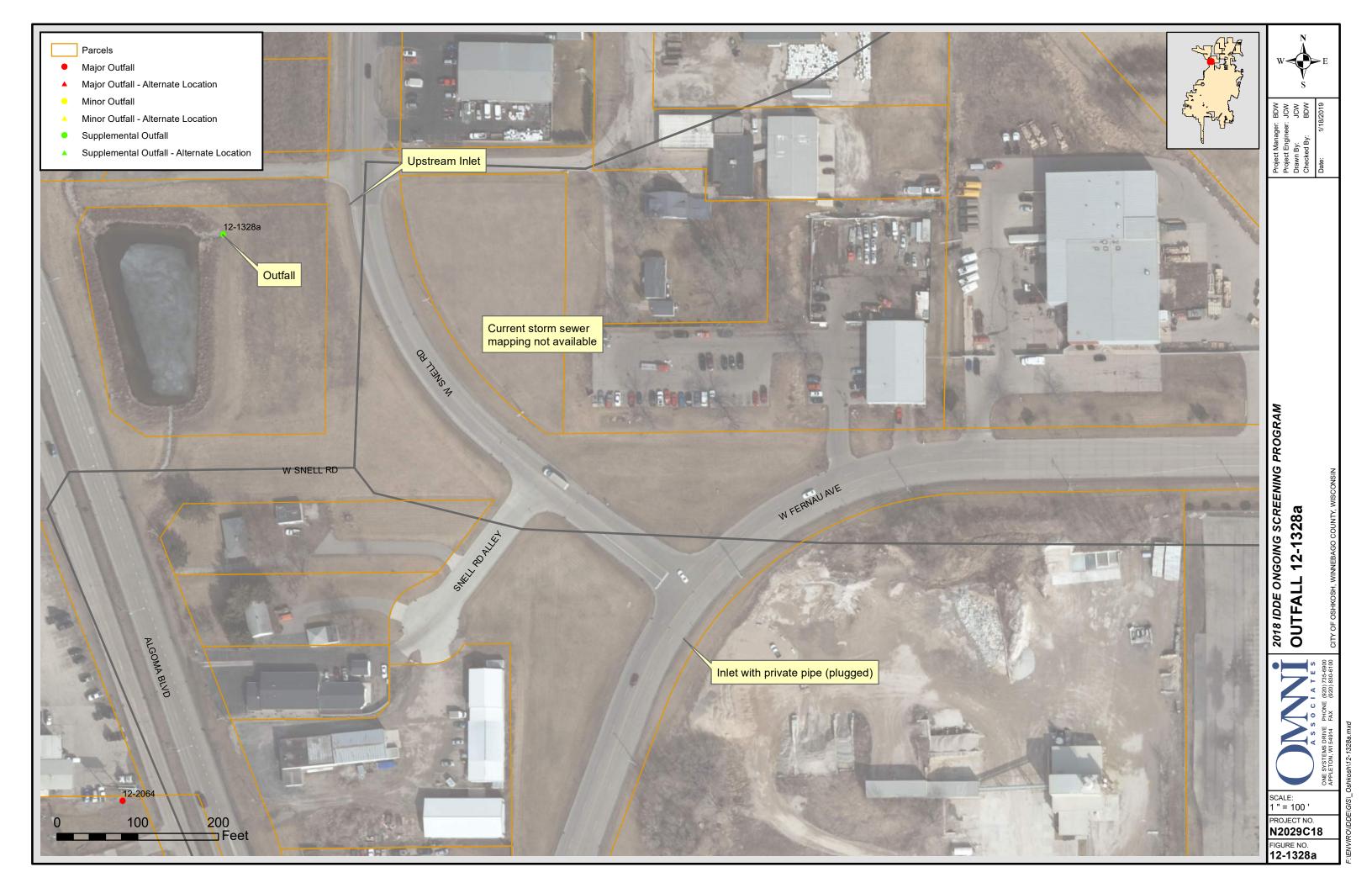
Manhole ( <i>City ID</i> )	2009 Initial Screening (September 2009)	2010 Ongoing Screening (October 2010)	2011 Ongoing Screening (October 2011)	2012 Ongoing Screening (June 2012)	2012 Repeat Screening (September 2012)	2013 Ongoing Screening (July 2013)	2014 Ongoing Screening (July 2013)	2015 Ongoing Screening (September 2015)	2016 Ongoing Screening (October 2016)	2017 Ongoing Screening (October 2017)	2018 Ongoing Screening (October 2018)	2018 IDDE Potential
16-463 US1												
16-533 US1 (16-533)		21.70 7792.5						\$2.12gg 15				Potential
16-551 US1 (16-551)							Section 2					
16-594 US1 (16-594)		25.11										Potential



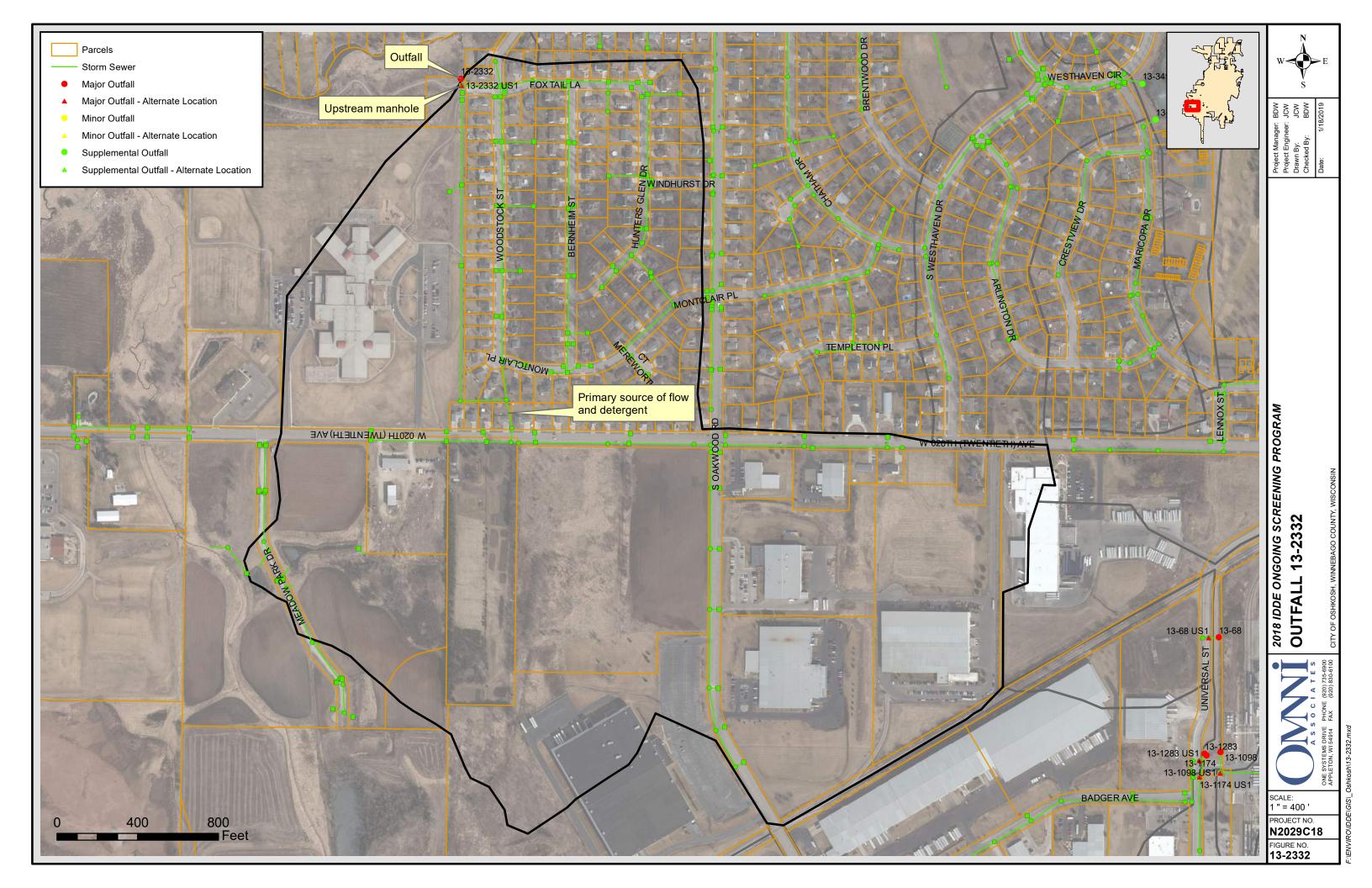


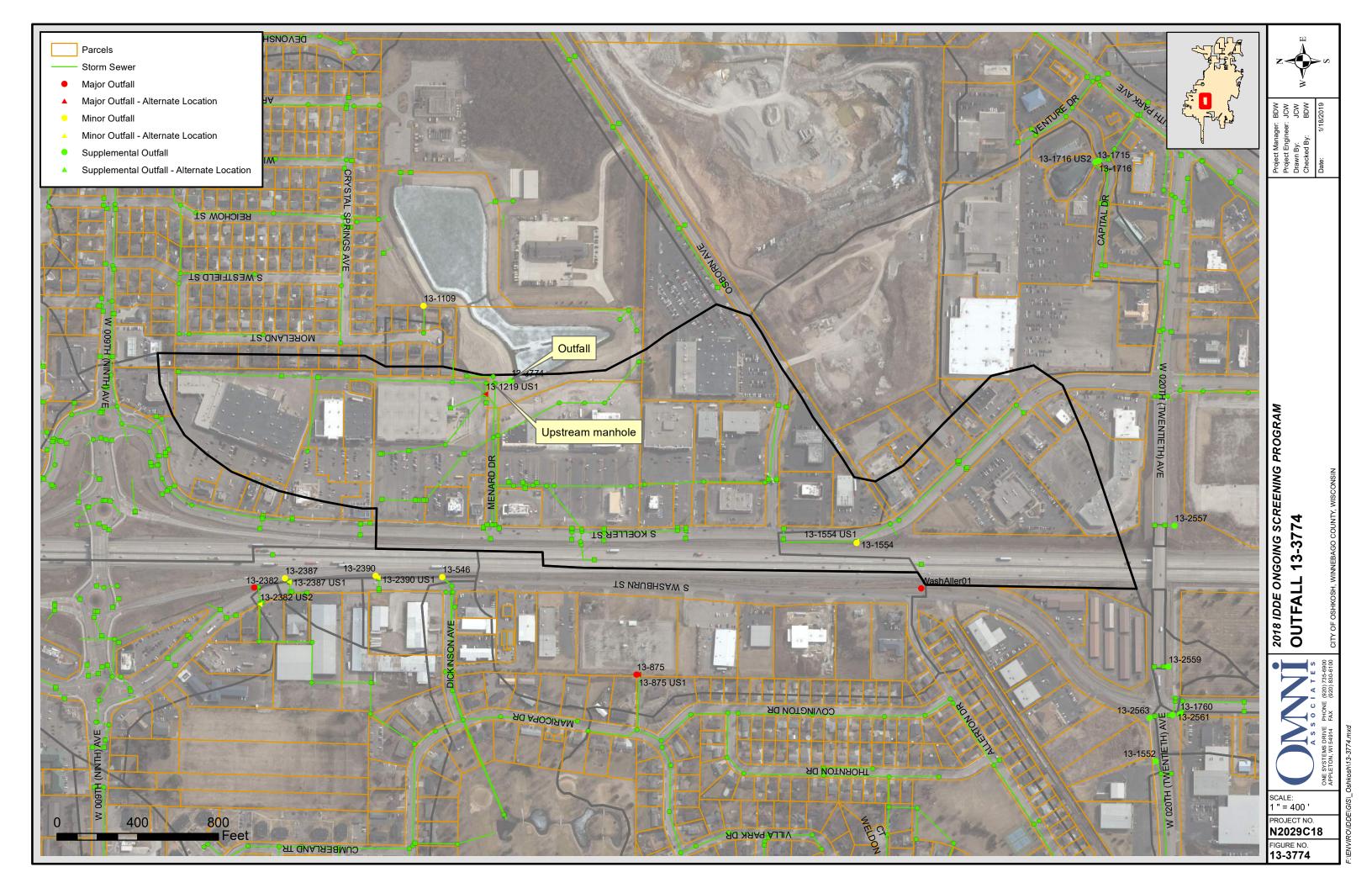


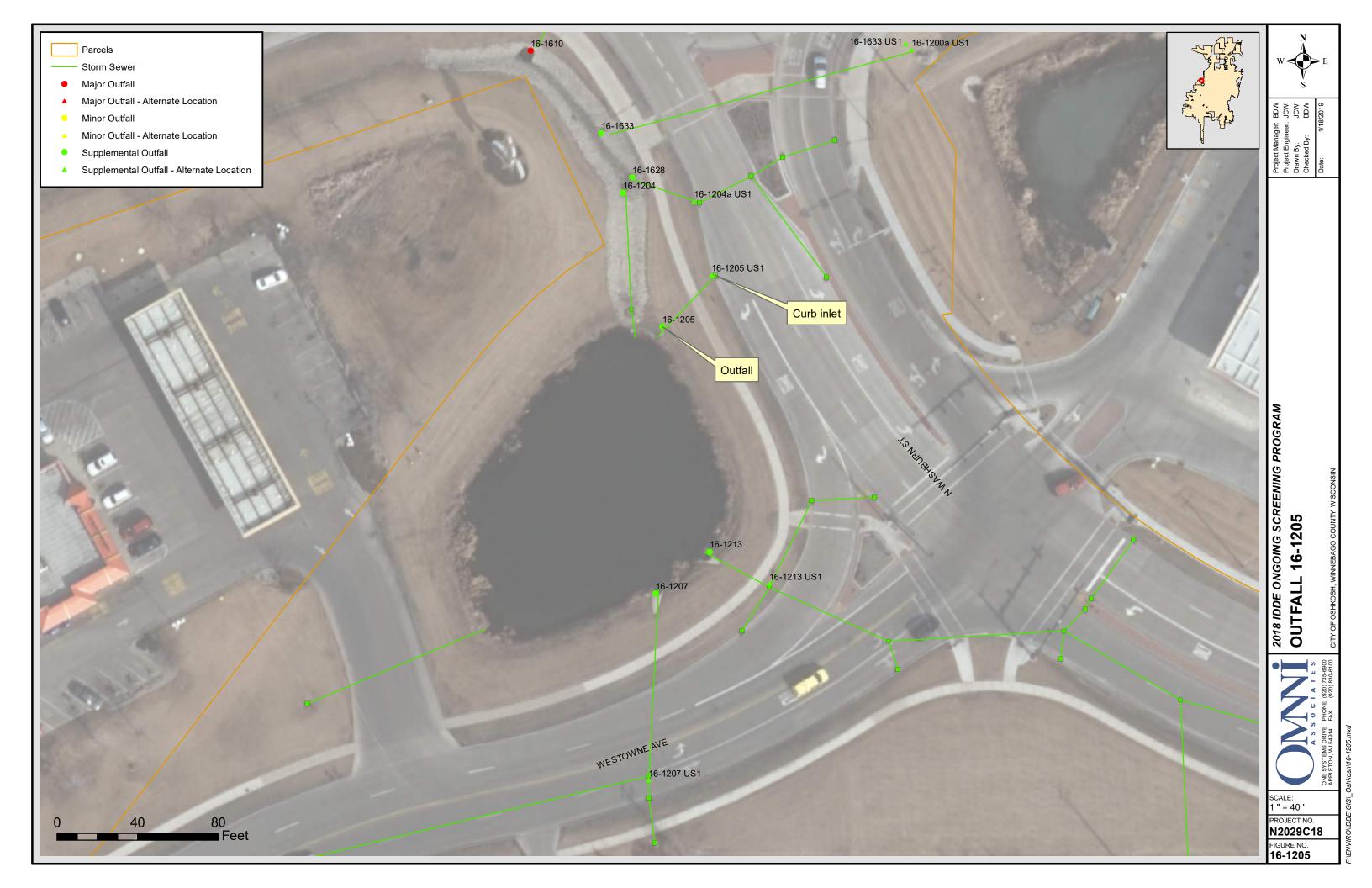


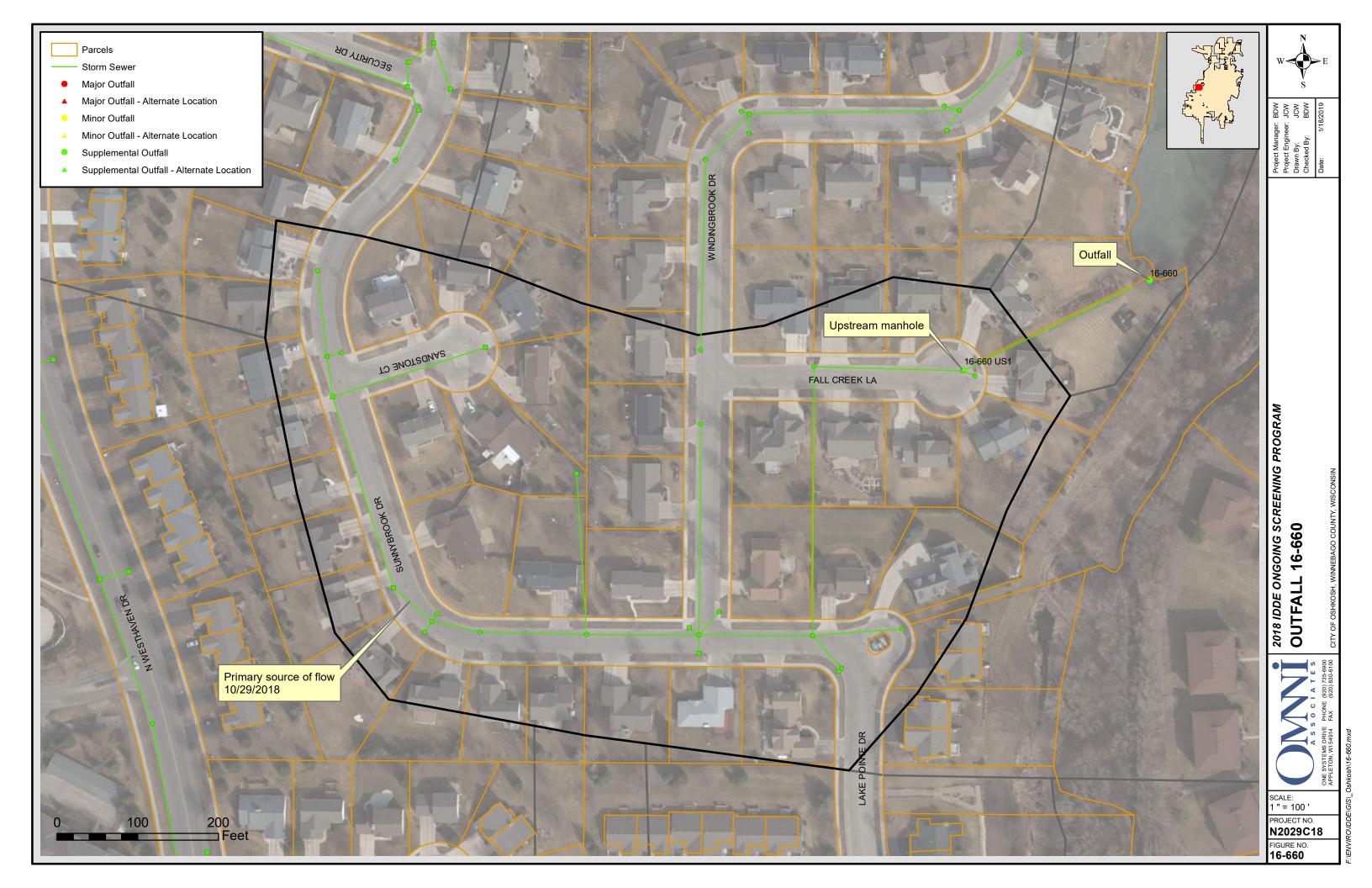


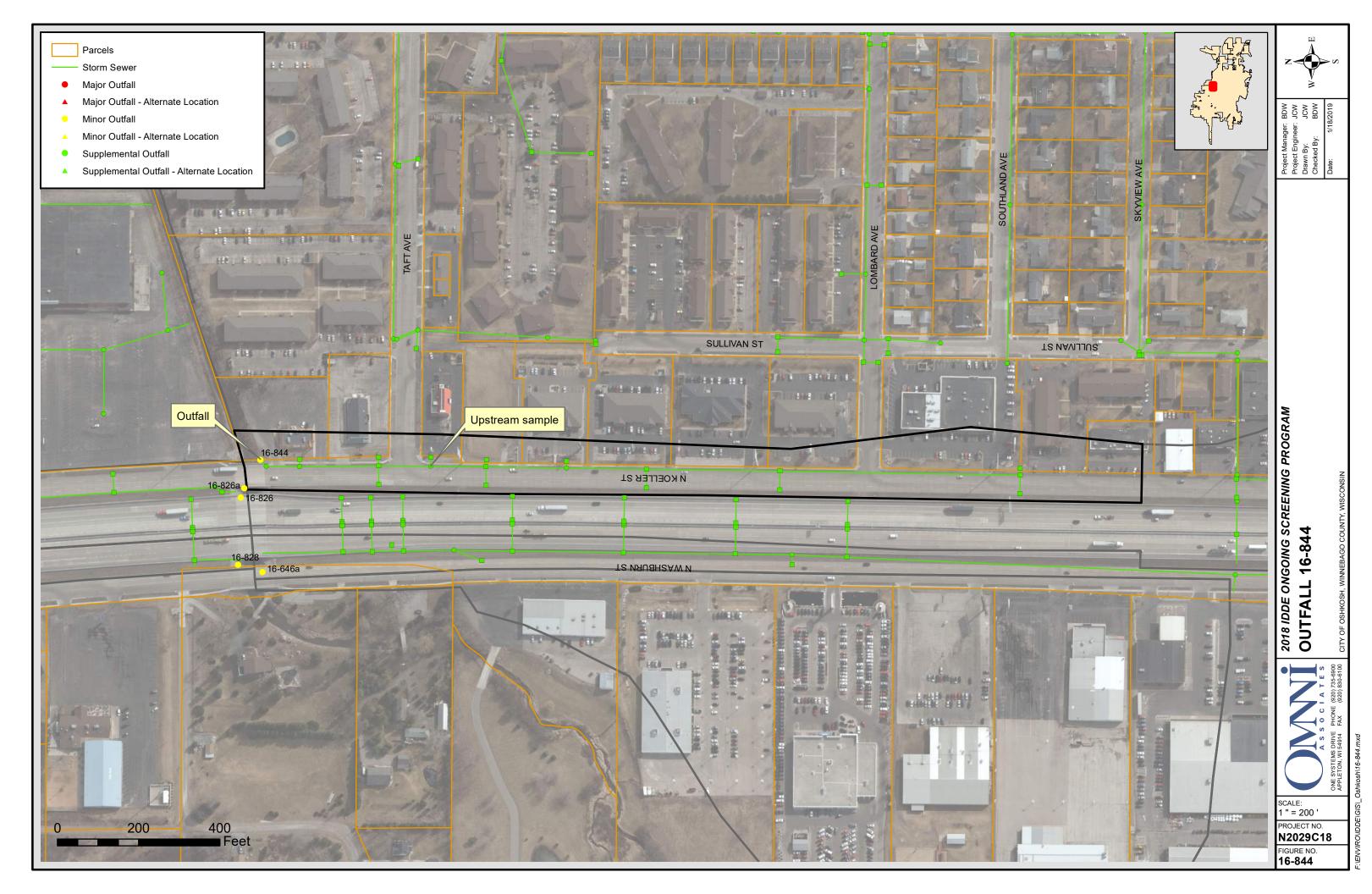


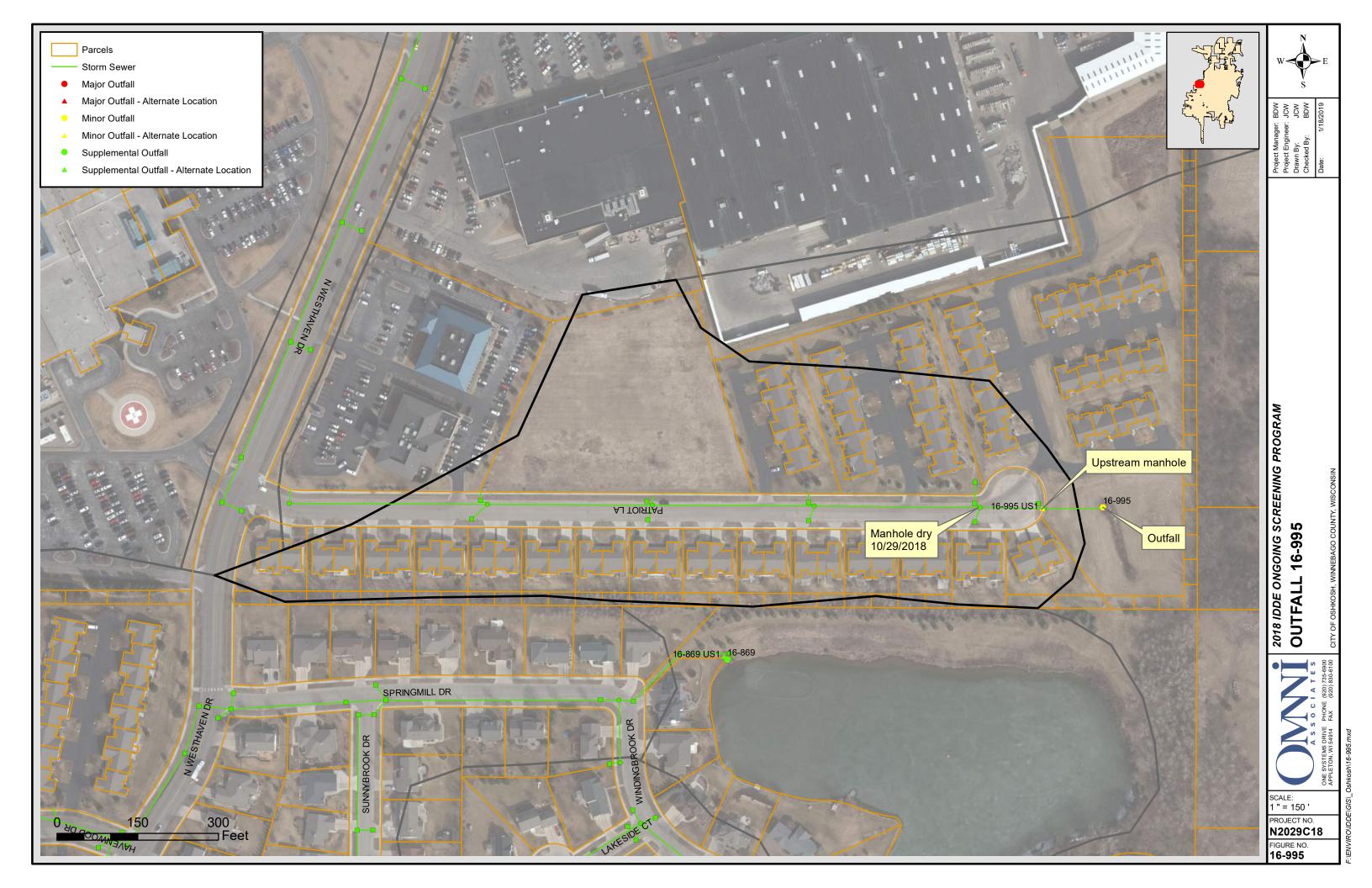












## **Appendix E**

MS4 Outfall Screening History/Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019
P	01-520	Р	Р	Р	Р	х
Р	02-357	Р	Р	Р	Р	х
Р	03-22	Р	Р	Р	Р	Х
Р	03-35	Р	Р	Р	Р	Х
Р	03-81	U	Р	Р	Р	Х
Р	03-173	Р	Р	Р	Р	х
Р	03-381	Р	Р	Р	Р	Х
Р	05-14	Р	Р	Р	Р	Х
Р	05-241	U	U	Р	U	Х
Р	06-52	Р	Р	Р	Р	Х
Р	06-221		Р	Р	Р	х
P	06-253	U	U	Р	Р	Х
Р	06-810	U	U	U	Р	Х
P	08-284	Р	Р	P	Р	Х
Р	08-347	Р	Р	Р	Р	Х
P	11-376	P	P	P	P	X
P	11-512	P	P	P	P	X
P	12-569	P	P	P	P	Х
P	12-1328a	0	P	P	P	X
P	13-1716	U	U	P	U	X
Р	13-1758	U	U	U	U	X
Р	13-2957	U	U		U	X
Р	13-3774	U	U	U	P	X
P	14-582	U	U	U	U	X
P	14-999	U	U	U	U	X
P	15-1093	U	<u> </u>	U	U	X
P	16-142	P	Р	U	U	X
r P	16-533	P	P	U	P	X
P	16-844	U	U	U	P	X
Р	16-1205	U	U	U	P	X
P	16-1508	P	U	U	U	X
NPM	01-360	U				٨
NPM	01-642	P	Р	U		
NPM	03-119	U	U	U	U	
NPM	03-293	0	U	0	0	
NPM	05-255	U				
NPM	05-216	U				
NPM	06-1132			U		
NPM	06-1132			U		
NPM	06-1136			U		
					11	
NPM NPM	06-1746			Р	U	
	06-2241	11			U	
NPM NPM	06-2380	U				
	09-32					
NPM	09-84	1.1	11	11	11	
NPM	09-101a	U	U	U	U	
NPM	09-101b		11		U	
NPM	11-173		U			
NPM	11-400		U			
NPM	11-465a		U			
NPM	11-479		U			

Priority	Outfall ID	2015	2016	2017	2018	2019
NPM	12-576	U	U	U	U	
NPM	12-2042	U				
NPM	12-890	U				
NPM	12-925	U				
NPM	13-68	U				
NPM	13-101					х
NPM	13-337					
NPM	13-471				Р	r
NPM	13-1098	U	U	U	U	
NPM	13-1106	U				
NPM	13-1174	U				
NPM	13-1242					Х
NPM	13-1283	U				
NPM	13-1769	U				
NPM	13-2332				Р	r
NPM	13-2382				U	
NPM	13-2611				U	
NPM	13-2613				U	
NPM	13-2736				- J	х
NPM	13-2822b					X
NPM	13-2872b	_			U	^
NPM	14-188		U		0	
NPM	14-331		U			
NPM	14-400		U			
NPM	14-595		U	U		
NPM	14-635			U		
NPM	14-644			U		
NPM	14-645			U		
NPM	14-659			U		
NPM	14-639	+		U		
NPM	14-676	+				
NPM NPM				U		
	14-766 14-996	_		U		
NPM		_		U		
NPM	14-1007			U		
NPM	15-636	_	Р	U		
NPM	15-744		U			
NPM	15-787		U			
NPM	15-910	4	U			
NPM	15-940	1	U			
NPM	15-959	-	U			
NPM	15-1032	1				Х
NPM	15-1067					Х
NPM	15-1095	1				Х
NPM	15-1219					Х
NPM	15-1248	1				Х
NPM	15-1263	_				Х
NPM	15-1277		U			
NPM	15-1817	1	U			
NPM	15-1889					Х
NPM	15-2108					Х
NPM	15-2243					x

Priority	Outfall ID	2015	2016	2017	2018	2019
NPM	15-2404a					х
NPM	15-2477	U	U	U	U	
NPM	15-2790					Х
NPM	16-1610					Х
NPM	16-295	U				
NPM	16-389	U				
NPM	16-436				Р	r
NPM	FernauPond	U				
NPM	OakwoodPondOut				U	
NPM	WashAller01					
NPNM	01-20	U	U	U	U	
NPNM	01-35	U	U	U	U	
NPNM	01-33	U	U	U	U	
NPNM	01-278		0	- 0		
NPNM	01-318	P	U			
NPNM	01-318	U	U			
NPNM	02-105	U				
		P	Р	P	P	
NPNM	02-309	U	Р	Р	Р	r
NPNM	02-322					
NPNM	02-324	U				
NPNM	03-306				U	
NPNM	03-379				U	
NPNM	03-382				U	
NPNM	03-385				U	
NPNM	03-387				U	
NPNM	03-392					Х
NPNM	05-264a	U				
NPNM	06-3			U		
NPNM	06-65			U		
NPNM	06-154					
NPNM	06-216				Р	r
NPNM	06-471				U	
NPNM	06-473				Р	r
NPNM	06-478				U	
NPNM	06-494				Р	r
NPNM	06-588				U	
NPNM	06-602				U	
NPNM	06-610				Р	r
NPNM	06-622a			U		
NPNM	06-729				U	
NPNM	06-745		ļ			
NPNM	06-795				U	
NPNM	06-798					
NPNM	06-829				Р	r
NPNM	06-880			U		
NPNM	06-961			U		
NPNM	06-968			U		
NPNM	06-977			U		
NPNM	06-1028		Р	U		
NPNM	06-1083			U		
NPNM	06-1090			U		

Priority	Outfall ID	2015	2016	2017	2018	2019
NPNM	06-1149			U		
NPNM	06-1159					
NPNM	06-1161					
NPNM	06-1210			U		
NPNM	06-1211			U		
NPNM	06-1371			P		
NPNM	06-1371a			U		
NPNM	06-1373			U		
NPNM	06-1477			U		
NPNM	06-1495			U		
NPNM	06-1562				U	
NPNM	06-1619					
NPNM	06-1633					
NPNM	06-1636					
NPNM	06-1694					
NPNM	06-1814			U		
NPNM	06-1816			U		
NPNM	06-1816			U		
NPNM	08-55					
NPNM		- 11				
NPNM	08-100	U				
	08-162	U				
NPNM	08-270	U				
NPNM	08-271	U				
NPNM	08-279	U				
NPNM	08-285	U				
NPNM	08-350	U	_			
NPNM	08-364	P	Р			
NPNM	08-369	U				
NPNM	08-395	U				
NPNM	08-937	U	U	U	U	
NPNM	08-1042	U				
NPNM	09-101c				Р	r
NPNM	11-46					Х
NPNM	11-64					Х
NPNM	11-69					X
NPNM	11-71					Х
NPNM	11-75					Х
NPNM	11-79					Х
NPNM	11-118					х
NPNM	11-177					Х
NPNM	11-225					Х
NPNM	11-244					Х
NPNM	11-247					Х
NPNM	11-318					Х
NPNM	11-515					Х
NPNM	11-801					Х
NPNM	11-803					Х
NPNM	11-805					Х
NPNM	12-889	U				
NPNM	12-972	U				
NPNM	12-997	U				

Priority	Outfall ID	2015	2016	2017	2018	2019
NPNM	12-1245					
NPNM	12-1261					
NPNM	12-1313	U	U	U	U	
NPNM	12-1414					
NPNM	12-1604					
NPNM	12-1676					
NPNM	12-1676a					
NPNM	12-1682					
NPNM	12-1692					
NPNM	12-1700					
NPNM	12-1711					
NPNM	12-1781	U				
NPNM	12-1793	U				
NPNM	12-1795	U				
NPNM	12-1916					
NPNM	12-2026	U				
NPNM	12-2034	U				
NPNM	12-2075					
NPNM	12-2079					
NPNM	12-2089					
NPNM	12-2092a					
NPNM	12-2093					
NPNM	12-2273					
NPNM	12-2297	U	U			
NPNM	12-2299	U	U			
NPNM	13-95					
NPNM	14-327					
NPNM	13-546					
NPNM	13-819					
NPNM	13-948					
NPNM	13-1109				U	
NPNM	13-1552					
NPNM	13-1554	U				
NPNM	13-1588	U	U	U	U	
NPNM	13-1673					
NPNM	13-1715					
NPNM	13-1718	U	U	U		
NPNM	13-1760					
NPNM	13-1766	U				
NPNM	13-1870	1				
NPNM	13-1957					
NPNM	13-2031					
NPNM	13-2135					
NPNM	13-2156					
NPNM	13-2387	U				
NPNM	13-2390	U				
NPNM	13-2455					
NPNM	13-2464	1				
NPNM	13-2404	1				
NPNM	13-2527					
NPNM	13-2557	1				

Priority	Outfall ID	2015	2016	2017	2018	2019
NPNM	13-2561					
NPNM	13-2563					
NPNM	13-2564					
NPNM	13-2596					
NPNM	13-2666					
NPNM	13-2768					
NPNM	13-2822				- 11	
					U	
NPNM	13-2860				U	
NPNM	13-2867				U	
NPNM	13-2872a				U	
NPNM	13-2872b				U	
NPNM	13-2886					
NPNM	13-3097					
NPNM	13-3099					
NPNM	13-3119					
NPNM	13-3127					
NPNM	13-3130					
NPNM	13-3162					
NPNM	13-3194					
NPNM	13-3204				U	
NPNM	13-3204b				U	
NPNM	13-3224				U	
NPNM	13-3243					
NPNM	13-3427					
NPNM	13-3431					
NPNM	13-3488				U	
NPNM	13-3497					
NPNM	13-3509					
NPNM	13-3636					
NPNM	13-3706					
NPNM	14-124					
NPNM	14-368					
NPNM	14-517					
NPNM	14-615					
NPNM	14-660					
NPNM	14-675					
NPNM	14-759					
NPNM	14-789					
NPNM	14-789					
NPNM						
	14-1130					
NPNM	14-1133					
NPNM	14-1136					
NPNM	14-1138					
NPNM	14-1139					
NPNM	14-1218					
NPNM	14-1220					
NPNM	14-1222					
NPNM	14-1227					
NPNM	14-1253					
NPNM	14-1253b					
NPNM	14-1387					

Priority	Outfall ID	2015	2016	2017	2018	2019
NPNM	14-1514	U	U	U	U	
NPNM	14-1515					
NPNM	15-027					
NPNM	15-143	U	U	U	U	
NPNM	15-146	U	U	U	U	
NPNM	15-349					Х
NPNM	15-350					X
NPNM	15-378					X
NPNM	15-399					
NPNM	15-488					
NPNM	15-571					
NPNM	15-573					
NPNM	15-687					Х
NPNM	15-690					
NPNM	15-692					X
NPNM	15-693					X
						Х
NPNM	15-798					
NPNM	15-804					Х
NPNM	15-835					Х
NPNM	15-840					
NPNM	15-858					
NPNM	15-863					
NPNM	15-865					
NPNM	15-895					
NPNM	15-905					
NPNM	15-965					
NPNM	15-1018					
NPNM	15-1020					x
NPNM	15-1106					
NPNM	15-1108	U	U	U	U	
NPNM	15-1110					
NPNM	15-1125					
NPNM	15-1127					
NPNM	15-1129					
NPNM	15-1132					
NPNM	15-1135					х
NPNM	15-1137					Х
NPNM	15-1185					
NPNM	15-1187					
NPNM	15-1188					
NPNM	15-1217					
NPNM	15-1225					
NPNM	15-1237	U	U			
NPNM	15-1239					
NPNM	15-1287					
NPNM	15-1348					
NPNM	15-1494					Х
NPNM	15-1702					^
NPNM	15-1734					
NPNM	15-1746					
NPNM	15-1749					

Priority	Outfall ID	2015	2016	2017	2018	2019
NPNM	15-1806					
NPNM	15-1807					
NPNM	15-1856					
NPNM	15-1891					
NPNM	15-1903					
NPNM	15-1983					Х
NPNM	15-2242					
NPNM	15-2292					
NPNM	15-2295					
NPNM	15-2297					
NPNM	15-2375					
NPNM	15-2394					
NPNM	15-2404					
NPNM	15-2409	U	U	U	U	
NPNM	-	0	- 0	U	U	
NPNM	15-2412 15-2475	1				
NPNM						
-	15-2527 15-2528					
NPNM						
NPNM	15-2690					
NPNM	16-28		P	U		
NPNM	16-47		U			
NPNM	16-71		Р	U		
NPNM	16-93		U			
NPNM	16-119		U			
NPNM	16-155		U			
NPNM	16-164				U	
NPNM	16-201		U			
NPNM	16-289		Р	U		
NPNM	16-328		U			
NPNM	16-334		U			
NPNM	16-351		U			
NPNM	16-358		U			
NPNM	16-362		U			
NPNM	16-368		U			
NPNM	16-381		U			
NPNM	16-386		U			
NPNM	16-396		U			
NPNM	16-463					
NPNM	16-488		U			
NPNM	16-532		U			
NPNM	16-551		U			
NPNM	16-587					
NPNM	16-594		Р	Р	Р	r
NPNM	16-622			U		
NPNM	16-629	1		U		
NPNM	16-646a			U		
NPNM	16-660			P	Р	r
NPNM	16-663			U	•	•
NPNM	16-719	1	U			
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Priority	Outfall ID	2015	2016	2017	2018	2019
NPNM	16-826a			U		
NPNM	16-828					
NPNM	16-869			U		
NPNM	16-871		U			
NPNM	16-873		U			
NPNM	16-941			U		
NPNM	16-995			Р	Р	r
NPNM	16-1074		U			
NPNM	16-1204			U		
NPNM	16-1207			U		
NPNM	16-1213			U		
NPNM	16-1578		U			
NPNM	16-1628		U			
NPNM	16-1633			U		
NPNM	EdgePond1out					
NPNM	EdgePond2in					
NPNM	Osh0944					
NPNM	Wash41_01	U				
NPNM	Wash41_02	U				
U	Unlikely	77	71	76	56	0
P	Potential	20	27	25	35	0
0	Obvious	1	0	0	0	0
	Obvious	98	98	101	91	0
X	Scheduled	0	0	0	0	78
r	Reinspect	0	0	0	0	13
		0	0	0	0	91
Total MS4	Outfalls				_	
Р	Priority Outfall (ann	ual)		31	_	
NPM	Non-Priority Major	Outfall (5 yea	ars)	81		
NPNM	Non-Priority Non-M	ajor Outfall (	10 years)	314	_	

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