City of Wyoming

NPDES Municipal Separate Storm Sewer System (MS4) Illicit Discharge Elimination Plan

Prepared for:
The Lower Grand River Watershed

August 1, 2013
Project No. G120878

Fishbeck, Thompson, Carr & Huber
engineers • scientists • architects • constructors

LOWER GRAND MS4 COMMUNITIES IN KENT COUNTY

ILLICIT DISCHARGE ELIMINATION PLAN

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LIST OF ABBREVIATIONS/ACRONYMS

BMP	Best Management Practice
GVMC	Grand Valley Metropolitan Council
IDEP	Illicit Discharge Elimination Plan
KCDC	Kent County Drain Commissioner
KCRC	Kent County Road Commission
LGRW	Lower Grand River Watershed
MDEQ	Michigan Department of Environmental Quality
MS4	Municipal Separate Storm Sewer Systems
OSDS	Onsite Sewage Disposal Systems
PEAS	Pollution Emergency Alert System
PEP	Public Education Plan
SSOs	Sanitary Sewer Overflows
SWPPI	Stormwater Pollution Prevention Initiative

1.0 INTRODUCTION

This Illicit Discharge Elimination Plan (IDEP) has been prepared in accordance with the requirements of the General Permit Application for Storm Water Discharges from Municipal Separate Storm Sewer Systems (MS4) subject to watershed plan requirements. The IDEP is intended to prohibit and effectively eliminate illicit discharges to the MS4.

The IDEP is being implemented under a cooperative program administered by the Grand Valley Metropolitan Council (GVMC) and involving the county agencies and municipal units participating in the Watershed Approach.

The IDEP includes the following section headings:

- IDEP goals
- Legal authority
- Outfall and discharge point lists
- Identification and elimination of existing illicit discharges
    - Locating problem areas
    - Finding the source of illicit discharges
    - Removing/correcting illicit connections
- Minimizing seepage from septic systems and sanitary sewers
- Spill response procedures
- Preventive measures
- Documentation and reporting

2.0 IDEP GOALS

- Find, prioritize, and eliminate illicit discharges and illicit connections identified during dry-weather screening activities.
- Minimize infiltration of seepage from sanitary sewers and onsite sewage disposal systems (OSDS) into the MS4.
- Establish the legal authority for the community to eliminate illicit discharges found entering the MS4.
- Maintain a map of the MS4, point sources, and stormwater outfalls.
- Establish a system to document and report information regarding the IDEP including complaints, outfall screening, and illicit connections found and removed.
- Determine a method to evaluate the effectiveness of the illicit discharge elimination activities based on the watershed goals.

3.0 LEGAL AUTHORITY - IDEP ORDINANCES

Local ordinances, the Michigan Plumbing Code of 2000, the Michigan Drain Code of 1956, Michigan Act 451, and the Federal Clean Water Act provide the basic legal tools to implement the IDEP. Local ordinances effectively prohibit illicit connections and discharges; allow surveillance, monitoring, and inspections when needed; and provide enforcement authority and penalties.

An ordinance (or other regulatory mechanism where an ordinance is not feasible or appropriate) to effectively prohibit illicit discharges into the MS4 has been adopted by the following participating communities in the Lower Grand River Watershed (LGRW).

Participating Communities with an IDEP Ordinance

Community	Illicit Discharge and Connection Ordinance Adoption Date
Allendale Charter Township	May 10, 2004
Cascade Charter Township	June 23, 2004
East Grand Rapids, City of	September 19, 2005
Ferrysburg, City of	September 7, 2004
Georgetown Charter Township	August 12, 2002
Grand Haven, City of	February 5, 2007
Grand Rapids Charter Township	January 6, 2004
Grand Rapids, City of	July 2001
Grandville, City of	September 26, 2005
Hudsonville, City of	December 14, 2004
Kentwood, City of	October 24, 2004
Kent County Administration and Drain Commissioner	Regulatory mechanism in place
Kent County Road Commission	Regulatory mechanism in place
Plainfield Charter Township	November 6, 2000
Rockford, City of	August 8, 2005
Sparta, Village of	September 13, 2004
Spring Lake, Village of	January 16, 2006
Walker, City of	March 28, 2003
Wyoming, City of	October 3, 2005

Each ordinance or other regulatory mechanism:

- Regulates the contribution of pollutants to the MS4, owned by the permittee.
- Prohibits illicit discharges, including the direct dumping or disposal of materials, into the MS4, owned by the permittee.
- Establishes the authority to investigate, inspect, and monitor suspected illicit discharges into the MS4, owned by the permittee.
- Requires elimination of illicit discharges and connections into the MS4, owned by the permittee.

The Kent County Road Commission (KCRC) and the Kent County Drain Commissioner (KCDC) do not have ordinance authority; however, both agencies have regulatory mechanisms to address illicit discharges.

The KCDC has broad authority to control water pollution in county drains provided by the state Drain Code of 1956. The following are pertinent excerpts.

> The Michigan Drain Code states:
> *Sec. 423. (1) A person shall not continue to discharge or permit to be discharged into any county drain or intercounty drain of the state any sewage or waste matter capable of producing in the drain detrimental deposits, objectionable odor nuisance, injury to drainage conduits or structures, or capable of producing such pollution of the waters of the state receiving the flow from the drains as to injure livestock, destroy fish life, or be injurious to public health.*
>
> *(10) Failure to comply with any of the provisions of this section subjects the offender to the penalties described in section 602.*
>
> *Sec. 602. If any person shall willfully or maliciously remove any section or grade stake set along the line of any drain, or obstruct or injure any drain, he shall be deemed guilty of a misdemeanor, and upon conviction thereof shall be punished by a fine not exceeding $100.00 and the costs of prosecution, or in default of the payment thereof, by imprisonment in the county jail not exceeding 90 days.*

The KCRC has limited authority under state law to control water pollution in statutory road right-of-ways. When evidence of an illicit discharge to a KCRC ditch or drain is found, and voluntary correction is not forthcoming, the KCRC will contact the appropriate agency, depending on the nature of the illicit discharge, and work with the KCDC, Kent County Health Department, local unit of government, local policing authority and/or the Michigan Department of Environmental Quality (MDEQ) to require elimination. The MDEQ has broad authority to control pollution, either directly or indirectly, to waters of the state provided by Act 451 of 1994.

A summary of indicators typically used to detect certain illicit discharges is included in Appendix 1.

4.0 OUTFALL AND DISCHARGE POINT MAPS AND LISTS

Lists of outfalls and discharge points are kept updated, identifying the location of all outfalls and discharge points the permittee owns and the names of all surface waters of the state that receive stormwater runoff from an MS4. The lists include a discrete identification number, the name of the receiving water, identification as an outfall or discharge point, the latitude and longitude, and the prioritization given to that point for screening purposes. Newly discovered outfalls and discharge points will be identified in the Progress Report. A copy of the current list of outfalls and discharge points is included in Appendix 2.

5.0 TRAINING

Municipal employees, who, as part of their normal job responsibilities, may come into contact with or otherwise observe an illicit discharge or illicit connection, will receive training on recognition and reporting of illicit discharges and connections. This will be accomplished through the IDEP training as identified in Appendix 2D of the Stormwater Pollution Prevention Initiative (SWPPI). Examples of training mechanisms identified in the SWPPI include the review of a Water Pollution Report Form with employees for recording and reporting suspected illicit discharges and an article to be distributed to employees (Appendix 3).

Field personnel will be provided additional training prior to conducting Dry-Weather Screening. Training will include health and safety, documentation and reporting procedures, and visual and olfactory outfall screening procedures. This will be accomplished by hands-on training by a professional engineer or other qualified individual for the field personnel by spring 2013. Alternatively, train-the-trainer sessions will be conducted for each community followed by community training of field personnel, if desired. Additional training will be provided for activities associated with sampling, identifying, and eliminating the source of unauthorized discharges and illicit connections. This will be accomplished, where needed, by hands-on training for the field personnel or by training-the-trainer for each community as appropriate.

6.0 IDENTIFICATION AND ELIMINATION OF EXISTING ILLICIT DISCHARGES

The field work to identify and eliminate illicit discharges and illicit connections will be completed in three steps. The initial step involves *Locating Problem Areas* and will focus on dry-weather screening stormwater outfalls for evidence of illicit discharges. The process is illustrated in Figure 1. The second step will be *Finding the Source* of any illicit discharges and will involve tracing illicit discharges through the stormwater drainage system to the source of the discharge or the illicit connection. This process is illustrated in Figure 2. The final step consists of *Removing/Correcting Illicit Connections*, which will require facilities to disconnect illicit connections and may require enforcement pursuant to existing ordinances and follow-up inspections. Information and test results are recorded on a data sheet, included as Figure 3.

6.1 LOCATING PROBLEM AREAS

Locating the presence of unauthorized discharges will be conducted during the permit cycle using the following techniques:

- Priority areas for detecting non-stormwater discharges will be identified. All permitted outfalls and discharge points will be placed into one of the following priority groups.
    - **High Priority** - Outfalls to waters of the State within the Urbanized Areas that have a history of past illicit discharges, outfalls reported by the public as suspicious, outfalls in areas with a history of illegal dumping, and outfalls serving areas suspected of having illicit discharges.
    - **Medium-High Priority** - Outfalls to waters of the State within the Urbanized Areas that are not in the High Priority group.
    - **Medium Priority** - MS4 to MS4 discharge points within the Urbanized Areas that have a history of past illicit discharges and that serve areas suspected of having illicit discharges due to the land use activities.
    - **Medium-Low Priority** - Outfalls to waters of the State that are within the watershed boundary, but outside of the Urbanized Areas.
    - **Low Priority** - MS4 to MS4 discharge points, within the watershed boundary, that are not in the Medium priority group.

  All High Priority and Medium-High Priority outfalls in Appendix 2 will receive dry-weather screening during the permit cycle. Medium, Medium-Low, and Low Priority outfalls and discharge points will be investigated upon reports of suspected illicit discharges.

- Preferably, dry-weather screening will not commence until at least 48 hours after any rainfall event, but may commence if less than 0.1 inch of rain occurred during the previous 48 hours. Optionally, the field crew will attempt to identify known legitimate dry-weather discharges prior to conducting the field work. Dry-weather screening of all outfalls and MS4-MS4 discharge points will be completed in accordance with the following, and as illustrated as a flowchart in Figure 1:
  - Locate outfall/discharge point, complete data sheet with site information.
  - If new outfall/discharge point, assign identification number and mark location on map
  - If flow apparent, test discharge with field kit for temperature, pH, ammonia, and surfactants, collect additional sample if necessary, and record flow information and test results on data sheet. Readily observable sources of flow to the storm sewer will be noted. For example, landscape irrigation may be misdirected onto impermeable surfaces or irrigation runoff may be entering the drainage system.
    - Assign follow-up prioritization
      - Immediate - report to appropriate agency when discharge found, agency to follow up within one week.
      - High - notify stormwater manager, follow up within 30 days.
      - Low - notify stormwater manager conduct visual observations within 3 months.
    - In follow-up visits, test flow again with field test kits. If test results still indicate follow up necessary, collect additional samples for lab analysis, if necessary, and follow steps in “Finding the Source” section below.
  - If no flow apparent, evaluate the areas for indicators of pollution, i.e. the presence of algae, unusual vegetative growth, staining, bacterial sheens, or debris.
    - If indicators show a sign that pollution may exist, assign follow-up prioritization.
      - Immediate - report to appropriate agency when discharge found, agency to follow up within one week to check for dry-weather flow.
      - High - notify stormwater manager; follow up within 30 days to check for dry-weather flow.
      - Low - notify stormwater manager, conduct visual observations within 3 months for dry-weather flow.
    - In follow-up visits, if flow present, test with field test kits. If test results indicate follow up necessary, collect additional samples for lab analysis, if necessary, and follow steps in “Finding the Source” section below. If no flow is present on immediate or high priority sites, proceed to steps in “Finding the Source” section below.
  - If no dry-weather flow is present and no indication that pollution may exist, close outfall file.
  - If the outfall is submerged or otherwise unsafe to approach, the next available and safe location upstream from the outfall will be screened.

- The results of the Dry-Weather Screening will be ranked according to the guide in Table 1 and then used to locate problem areas and prioritize the locations for finding the source:

    - **Immediate** - If, in the opinion of the field crew, immediate action to address the dry-weather flow is indicated, the field crew will inform the stormwater program manager, or the appropriate agency if health or safety is a concern, record the incident, and ensure that the agency investigates the site within one week. Table 2 is a list of the current stormwater program managers and their contact information.
    - **High** - If flow is present and test results indicate follow up is necessary, but it does not appear to be of immediate concern, the stormwater manager will be notified and follow-up will be pursued within 30 days. If flow is again present, field crews will use field test kits to confirm results, and begin conducting dry-weather screening at accessible points upstream of the discharge until a potential source is found.
    - **Low** - If flow is present but test results indicate the discharge is most likely exempt, (groundwater for example), the site will be observed within 3 months to determine if conditions have changed and repeat testing is warranted.
    - **None** - No follow-up is needed.

- A field form will document the results of outfall screening and testing. A copy of the form is included as Figure 3. A separate form will be utilized for each visit.

- Any new or additional stormwater outfalls or discharge points will be reported in the next Progress Report.

- An illicit discharge reporting process (telephone, email, or other method) has been implemented. A system to log reports, assign them for follow-up, and document results of investigations is included in the process. Experience has shown that the most reliable reports come from municipal personnel; however, this reporting process has been coordinated with the Public Education Plan (PEP) in order to encourage the public to observe and notify county or local governmental units when illegal dumping or illicit discharges are suspected. The Community Reporting Forms are included in Appendix 3.

- Each community's schedule for completing the dry-weather screening will be consistent with the screening priority identification of their outfalls and discharge points as identified in Appendix 2.

6.2 FINDING THE SOURCE

The field investigation necessary to find the source of illicit discharges will be completed based on the results of the efforts in *Locating Problem Areas*. The process is illustrated in a flowchart in Figure 2.

Sites identified during the initial investigation that pose a significant and immediate health or environmental problem (immediate priority) will be brought to the attention of the community's stormwater program manager (Table 2), at the time the discharge is detected, and the appropriate agency or department; such as the Kent or Ottawa County Health Department, an adjacent community, or the MDEQ. That appropriate agency may provide useful information or assistance for the follow-up investigation within one week. Additional sample collection and laboratory analysis for parameters such as, fluoride, copper, phosphorus, ammonia, nitrite, nitrate, and *E. coli* will be considered, depending on the land use and suspected source of the illicit discharge.

The process for tracing illicit discharges that do not pose a significant and immediate health or environmental problem (high priority) to their source will be based on factors such as whether the area is known to have high bacteria problems or vulnerability to bacterial contamination, significant industrial or commercial development, dense housing without sanitary sewer connections, public notification or complaints, and the sensitivity of the receiving stream.

The exact procedure for tracking the illicit discharge will depend on the particular facts of each incident. Generally, if the discharge can be tracked by direct visual observation, the responsible party will be contacted and required to eliminate the discharge. If the source is not obvious, then manhole to manhole observations will be made to identify the source until the responsible party is identified and contacted.

If the source is still not identified through upstream investigations, more sophisticated means will be utilized such as:

- Televising the storm sewers or dye testing premises in the vicinity of a suspected illicit connection.
- Investigation of permissible point sources located upstream of outfalls with documented dry-weather flow.
- Investigation of complaints, reports, or notification of suspected illicit discharges.
- Distribution of letters to residents and businesses alerting them to the problem that is under investigation and soliciting their assistance in finding the source of an illicit discharge.
- A building-by-building evaluation where a potential illicit connection has been isolated to a small area.

If a low priority outfall was found to have similar test results in 3 months, the stormwater program manager will follow the steps outlined above to find the source and determine if the source of flow is exempt or requires the responsible party to be notified and the discharge eliminated.

If the source of an illicit discharge is traced to an MS4 owned by another permittee, the upstream stormwater program manager will be notified within one week of detection unless the severity of the discharge warrants immediate action. The stormwater program managers of all participating communities of the LGRW that own discharge points that enter another MS4 have agreed to coordinate tracking and eliminating illicit discharges in these situations. The agreement is included as Appendix 4. Notification will

consist of a phone call or email to the upstream MS4 stormwater program manager. The notification will include identifying the date and location where the suspected illicit discharge was detected and any other information about the discharge that will assist with the identification of its source. The notification will be recorded and supplemented by transmittal of the IDEP Dry-Weather Screening Data Sheet. The upstream MS4 stormwater program manager will then process the following steps outlined above.

The continuous communication between the community's stormwater program manager, the field crew, and other agencies during the investigation will ensure appropriate and timely actions are taken to find the source of an illicit discharge.

6.3 REMOVING/CORRECTING ILLICIT DISCHARGES AND CONNECTIONS

Those responsible for illicit connections will be notified to correct the problem. The property owner will be required to implement appropriate best management practices (BMPs) to eliminate the potential for illicit discharges, according to the community's ordinance or regulatory mechanism. A follow-up inspection will be conducted to ensure the correction is satisfactorily completed. Persons responsible for illicit discharges, including spill or dumping incidents, will be investigated and required to pursue reasonable clean-up. Where appropriate, they will be required to demonstrate taking measures to ensure that similar incidents will not occur. All illicit discharges should be eliminated as soon as practical taking into consideration the pollution potential of the discharge, the cost of elimination, and the measures needed to eliminate the discharge. Appropriate fines, penalties, and litigation will be considered.

7.0 MINIMIZING SEEPAGE FROM SEPTIC SYSTEMS AND SANITARY SEWERS

Each community will coordinate its IDEP with the local health department to assist in mitigating problems with failing OSDS. An OSDS found during the implementation of the IDEP to be infiltrating into a MS4 will be referred to the local health department.

A formal complaint is recorded when the local health department is informed that a septic system is in a state of failure. The field sanitarian responsible for that area visits the site to verify the condition of the septic system. The homeowner is ordered to pump the septic tanks, apply for a septic permit, and correct the situation in a timely manner if a public health hazard is determined to exist. Failure to comply with an order from the local health department can result in monetary penalties and/or condemnation of the dwelling as unfit for human habitation. The property owner will be encouraged to connect to the sanitary sewer where feasible. If sanitary sewers are not available, short- and long-term solutions for sewage disposal will be determined.

Each community will continue to conduct a preventative maintenance program on its wastewater collection and stormwater systems according to their SWPPIs. The maintenance may involve routine cleaning and/or television inspections that provide good assessments of pipe conditions and locates sites needing repairs. Each community will correct any sanitary system deficiencies identified in order to minimize exfiltration and seepage of sewage into the groundwater or stormwater drainage system. The potential for seepage from sanitary sewers into the stormwater drainage system will be investigated in the process of *Finding the Source* of illicit discharges. Sanitary sewer overflows (SSOs) or cross connections to a storm sewer will be corrected as soon as possible or in accordance with a state compliance action.

NOTE: Some communities rely on others for sewerage services and have little direct control over their operation and maintenance.

8.0 SPILL RESPONSE PROCEDURES

Reports by the public or municipal personnel of spills or suspicious discharges will be pursued by trained individuals. Persons responsible for illicit discharges, including spill or dumping incidents, will be investigated and compelled to pursue reasonable clean-up. Where appropriate, they will be required to demonstrate taking measures to ensure similar incidents will not occur. Appropriate fines, penalties, and litigation will be considered.

If a spill or suspicious discharge is found or reported, the stormwater program manager will be notified and initial information will be gathered. Records will be maintained regarding the incident from the first report to resolution. The Community Reporting Form is included in Appendix 3. Based on the initial information the stormwater coordinator will assess the severity of the situation. All reports will be considered an emergency until it is determined to be a non-emergency. Therefore, the Emergency Procedure will be implemented until the stormwater program manager determines that the incident is a non-emergency, at which point the Non-Emergency Procedure will be implemented.

The MDEQ supports the appropriate participation of its employees in emergency response activities for the purpose of protecting public health and the environment. In general, the MDEQ employees do not serve as "first responder" personnel. Rather, the MDEQ staff serve as technical consultants to, and coordinate their activity with, an on-scene incident commander, usually the local fire chief and/or a responsible party. Staff may serve as technical consultants either at the site of the emergency or by telephone or other means of communication.

Emergency Procedure

1) Is public safety at immediate risk? If yes, notify law enforcement and report to National Response Center.
2) Notify and solicit aid from other nearby or affected agencies, e.g. County Drain Commissioner and Road Commission. Engage Environmental Response Contractor, if needed.
3) If caused by Municipal Operations, report to the MDEQ District Office or Pollution Emergency Alert System (PEAS) if afterhours. If it is a Part 5 Rules material (oil causing visible sheen or >50 pounds of salt or listed pollutants over certain amounts) also report to 9-1-1.
4) If consistent with personnel safety, attempt to track the spill to its source. Gather more detailed and accurate information. Engage the responsible party. Attempt to persuade responsible party to take primary responsibility for preventing further damage and to initiate clean-up.
5) Attempt to stop the discharge through cooperation with responsible party or by utilizing internal resources or environmental response contractor.
6) Attempt to block the flow of pollutants to prevent further damage and to facilitate capture of spilled material.
7) Consider environmental monitoring to measure damage.

8) Clean up spilled material. Dispose as hazardous waste or liquid industrial waste.
9) Prepare written report to the MDEQ District Office within 10 days. Send a copy to the local health department.
10) Consider requiring the responsible party to implement procedures or to install facilities to ensure the incident does not occur again.
11) Consider civil and/or criminal actions.

Important Phone Numbers

MDEQ Grand Rapids District Office - (616) 356-0500
MDEQ PEAS - 1-800-292-4706 (calls from out-of-state - 1-517-373-7660)
National Response Center - 1-800-424-8802 or www.nrc.uscg.mil/nrchp.html
Kent County Drain Commissioner - (616) 336-3688
Ottawa County Drain Commissioner - (616) 994-4530

Potential Environmental Response Contractors

(Inclusion here does not imply any approval or any endorsement or qualifications; contacts are provided for convenience in an emergency only. Communities are encouraged to select a contractor before an emergency situation occurs.)

Young's Environmental Cleanup, Inc. Grand Rapids Area Office 4990 West River Drive, NE Comstock Park, MI 49321 Phone: (616) 785-3374 Fax: (616) 785-3401 24 hr: 1-800-4Youngs (496-8647) http://www.youngsenvironmental.com/	Plummer's Environmental Services, Inc. 10075 Sedroc Industrial Drive Byron Center, MI 49315 Toll Free: 1-800-878-3996 Office: 1-616-877-3930 Fax: 1-616-877-3937 www.plummersenvironmental.com/index.aspx
K&D Industrial Services, Inc. Corporate Offices Romulus, MI 48174 (734) 722-8922 Fax: (734) 729-8220 Grand Rapids Branch 2629 Prairie Road Wyoming, MI 49519 (616) 784-8900 Fax: (616) 534-5782 http://kdigroup.com/	Valley City Environmental Service 1040 Market Avenue, SW Grand Rapids, MI (616) 235-1500 Fax (616) 235-9507 24 hr Emergency Spill Response Numbers Please call 800.678.7035 / 616.235.1500 http://www.valleycityes.com/

Non-Emergency Procedure

1) Determine a level of urgency based on the nature of the spill and likely impact on health, safety, and environment.
2) If consistent with personnel safety, attempt to track the spill to its source. Gather more detailed and accurate information. Engage the responsible party. Attempt to persuade responsible party to take primary responsibility for preventing further damage and to initiate clean-up.
3) Report to the MDEQ District Office, or PEAS if after business hours.
4) Determine if internal resources are sufficient or if an Environmental Response Contractor is needed.
5) Attempt to stop the discharge through cooperation with responsible party or by utilizing internal resources or environmental response contractor.
6) Attempt to block the flow of pollutants to prevent further damage and to facilitate capture.
7) Clean up spilled material. Dispose as hazardous waste or liquid industrial waste.
8) Prepare written report to the MDEQ District Office within 10 days.
9) Consider requiring the responsible party to implement procedures or to install facilities to ensure the incident does not occur again.

9.0 DOCUMENTATION AND REPORTING

Progress Reports will be submitted to the MDEQ on the implementation status of the IDEP. The report will cover all of the decisions, actions, and results performed as part of the IDEP during the previous reporting period. The Progress Report will include:

- Documentation of actions taken to eliminate illicit discharges.
- For significant illicit discharges, a list of pollutants of concern, the estimated volume and load discharged, and the locations of the discharge into both the separate storm sewer system and the receiving water.
- The status of the program to minimize seepage from sanitary sewers and OSDS into the separate storm sewer system.
- Updated outfall mapping.
- A schedule for elimination of illicit connections that have been identified, but have yet to be eliminated.
- An evaluation of the effectiveness of the IDEP program. The evaluation will include:
    - An evaluation of the effectiveness of the detection methods used based on the number of illicit discharges detected.
    - An estimated quantification of the number of discharges prevented or eliminated.
    - An estimated quantification of the volume of illicit flow eliminated.
    - An assessment of the effectiveness of the program overall.

The goal of the program is to have a drainage system with no illicit discharges.

Figures

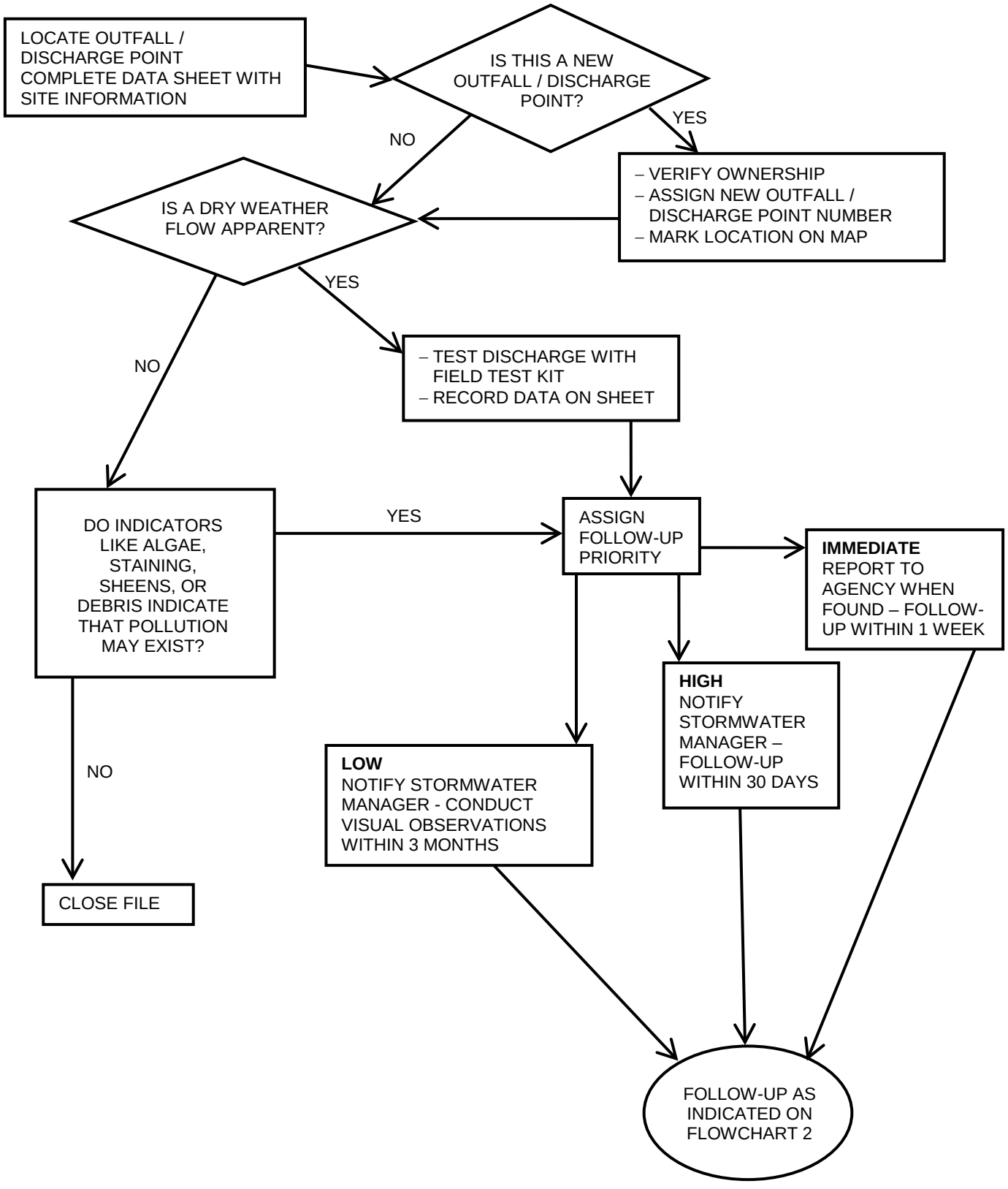

FIGURE 1: LOCATING PROBLEM AREAS

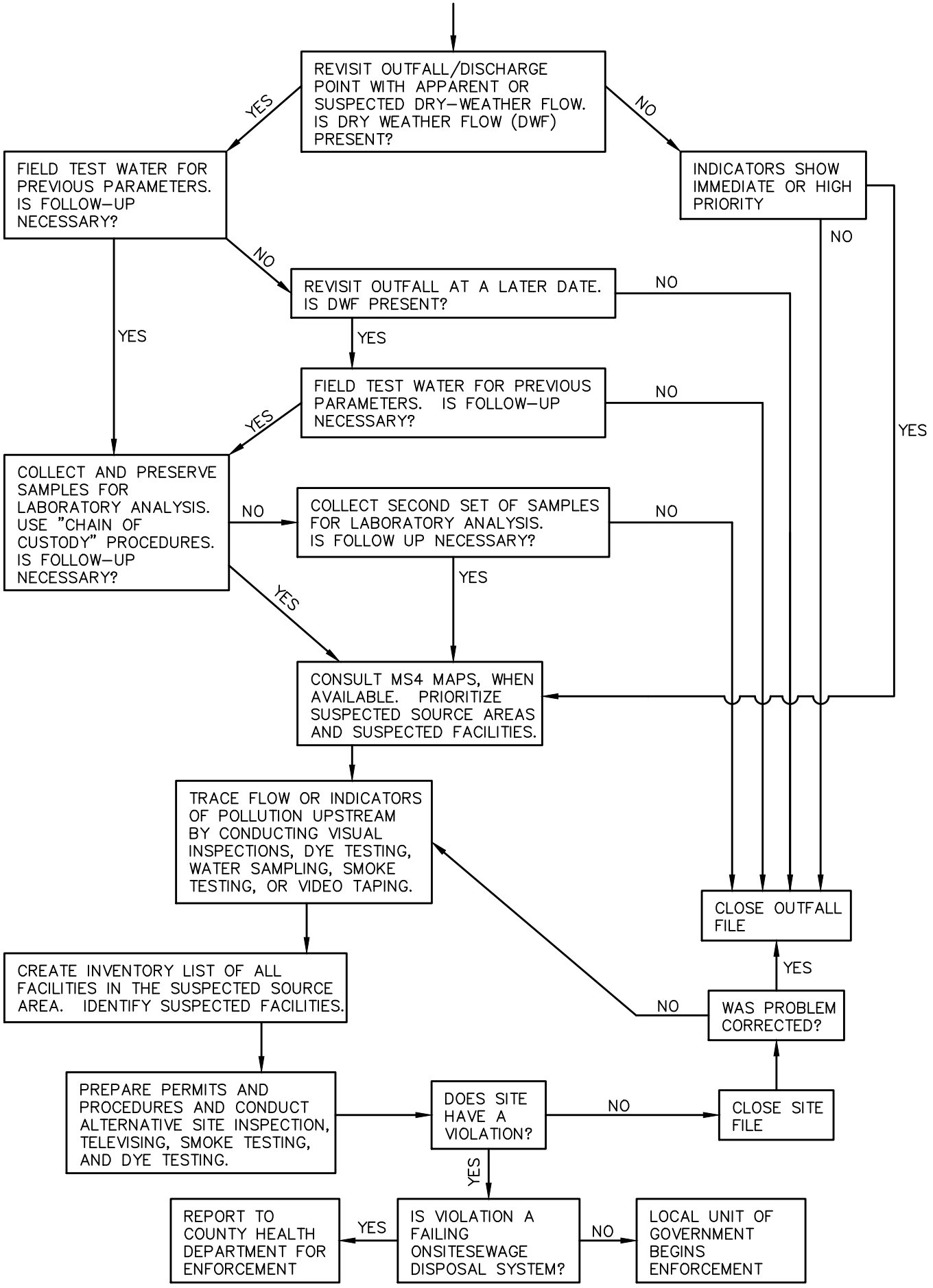

FIGURE 2: FINDING THE SOURCE

IDEP DRY WEATHER SCREENING DATA SHEET

FTC&H

GENERAL **Outfall ID** _____

Date _____ Time _____ Air Temp _____ °F Receiving Water _____

Crew Name _____ Date of Last Rain _____ ____ Clear/Sunny

Photograph # _____ _____ _____ ____ Partly Cloudy

GPS Coordinates _____ °N _____ °W (decimal degrees) ____ Overcast

TYPE OF OUTFALL

Material & Size

____ (in) Concrete ____ (in) PVC
____ (in) RCP ____ (in) Metal
____ (in) CMP ____ (in) Clay
____ (in) CPP ____ (ft) Ditch
____ (in) Other-describe below

Condition

____ Like New
____ Good
____ Broken
____ Impaired

Flow Observations

____ (in) Depth of flow in outfall
____ Standing water in pipe, no flow
____ Trace, insufficient to quantify
____ Dry, no water present

If evidence of Illicit Connection, describe below

FLOW OBSERVATIONS (skip if no water present in outfall)

Odor	___ None	___ Musty	___ Sewage	___ Rotten Egg	___ Gasoline	___ Oil	___ Other**	
Color	___ Clear	___ Light Brown	___ Dark Brown	___ Green	___ Grey	___ Black	___ Other**	
Turbidity	___ Clear	___ Slightly	___ Moderate	___ Highly	___ Opaque		___ Other**	
Floatables	___ None	___ Trash	___ Sewage	___ Foam	___ Oil Sheen		___ Other**	

OUTFALL AREA OBSERVATIONS

Deposits/Stains	___ None	___ Mineral	___ Sediment	___ Oily	___ Grease	___ Other**
Vegetation	___ None	___ Normal	___ Excessive	___ Algae		___ Other**
Debris	___ None	___ Tissue	___ Other**			

**If Other, include comments

OTHER OBSERVATIONS NEAR OUTFALL

Pollution Source	___ Debris/Trash	____ Construction Runoff	____ Road Crossing
	___ Septic System	____ Streambank Erosion	____ Gully Erosion
	___ Upland Source	____ Tile Outlet	____ Other**
Stream Bottom	___ Cobble/Gravel	____ Sand (coarse)	____ Muck/Silt (fine)
	___ Hardpan (solid clay)	____ Artificial	____ Other**

**If Other, include comments

FIELD TEST KIT ANALYSES

Parameter	Value	Units
pH	_____	SU
Surfactants	_____	H, M, L, or None
Ammonia	_____	mg/L
Temperature	_____	°F

OTHER ANALYSES

Parameter	Value	Units	Parameter	Value	Units
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Follow Up ___ None ___ High Priority ___ Other - explain ___ Additional information on attached sheet
___ Low Priority ___ Immediate

Comments _____

☐ Check if more comments are on the back

Figure 2

Tables

Table 1 - Field Testing Results Evaluation Guidelines

Parameter	Test Range	None	Low	High	Immediate
Temperature ºF	32-100	44 - 75	40 - 43 or 76 - 85	32 - 39 or 86 - 99	<32 or >100
pH	0-14	6 - 9.5	5 - 6 or 9.5 - 10.5	4 - 5 or 10.5 - 11	<4 or >11
Surfactants	detect presence	none	low or medium	high	
Ammonia ppm	0-6	0 - 1	1 - 3	3 - 6	>6

Table 2 – Storm Water Program Managers

Permittee	Storm Water Program Manager	Telephone Email
Allendale Charter Township	Mr. Jerry Alkema, Township Supervisor	(616) 895-6295 ext. 12 jerryalkema@allendale-twp.org
Cascade Charter Township	Mr. Steve Peterson Township Planner	(616) 949-1500 speterson@cascadetwp.com
East Grand Rapids, City of	Mr. Ken Feldt, Public Works Director	(616) 940-4817 kfeldt@eastgr.org
Ferrysburg, City of	Mr. Craig Bessinger, City Manager	(616) 842-5803 cbessinger@ferrysburg.org
Forest Hills Public Schools	Mr. Ron Boezwinkle, Director of Operations	(616) 493.8780 rboezwin@fhps.net
Georgetown Charter Township	Mr. Mike Hatkowski, Operations Coordinator	(616) 662-2800 mhatkowski@georgetown-mi.gov
Grand Haven, City of	Mr. William Hunter, Director of Public Works	(616) 855-5809 bhunter@grandhaven.org
Grand Rapids Charter Township	Mr. RJ Versluys Deputy Chief	(616) 361-7391 bversluys@grandrapidstwp.org
Grand Rapids, City of	Ms. Carrie Rivette Project Engineer	(616) 456-3057 crivette@grcity.us
Grandville, City of	Mr. Ron Carr, Director of Public Works	(616) 538-1990 carrr@cityofgrandville.com
Hudsonville, City of	Mr. Dutch Besteman, Public Works Superintendent	(616) 669-0200 ext. 1424 dbestema@hudsonville.org
Kent County Drain Commissioner and Admin.	Mr. Douglas Sporte, Deputy Drain Commissioner	(616) 336-3688 Doug.Sporte@Kentcountymi.gov
Kent County Road Commission	Mr. Wayne Harrall, Director of Engineering	(616) 242-6914 wharrall@kentcountyroads.net
Kentwood, City of	Mr. Ronald Woods, Director of Public Works	(616) 554-0824 woodsr@ci.kentwood.mi.us
Plainfield Charter Township	Mr. Rick Solle, Director of Public Services	(616) 363-9660 soller@plainfieldchartertwp.org
Rockford, City of	Mr. Jamie Davies, Public Services Director	616-893-0938 jdavies@rockford.mi.us
Sparta, Village of	Mr. Miles Ring, DPW Superintendent	(616) 262-7901 dpwdept@spartami.org
Spring Lake, Village of	Ms. Chris Burns Village Manager	(616) 842-1393 ext. 1002 christine@springlakevillage.org
Walker, City of	Ms. Bonnie Broadwater, Engineering Programs Coordinator	(616) 791-6327 bbroadwa@ci.walker.mi.us
Wyoming, City of	Mr. Aaron Vis, Environmental Services Inspector	(616) 261-3593 avis@wyomingmi.gov

Appendix 1

Appendix 1

Excerpts from
Illicit Discharge Detection and Elimination - A Guidance Manual for Program Development and Technical Assessments
By Edward Brown and Deb Caraco, Center for Watershed Protection, Ellicott City, Maryland 21043
and Robert Pitt, University of Alabama, Tuscaloosa, Alabama 35487
October 2004

Ammonia

Ammonia is a good indicator of sewage, since its concentration is much higher there than in groundwater or tap water. High ammonia concentrations may also indicate liquid wastes from some industrial sites. Ammonia is relatively simple and safe to analyze. Some challenges include the tendency for ammonia to volatilize (i.e., turn into a gas and become non-conservative) and its potential generation from non-human sources, such as pets or wildlife.

Boron

Boron is an element present in the compound borax, which is often found in detergent and soap formulations. Consequently, boron is a good potential indicator for both laundry wash water and sewage. Preliminary research from Alabama supports this contention, particularly when it is combined with other detergent indicators, such as surfactants (Pitt, IDDE Project Support Material). Boron may not be a useful indicator everywhere in the country since it may be found at elevated levels in groundwater in some regions and is a common ingredient in water softeners products. Program managers should collect data on boron concentrations in local tap water and groundwater sources to confirm whether it will be an effective indicator of illicit discharges.

Chlorine

Chlorine is used throughout the country to disinfect tap water, except where private wells provide the water supply. Chlorine concentrations in tap water tend to be significantly higher than most other discharge types. Unfortunately, chlorine is extremely volatile, and even moderate levels of organic materials can cause chlorine levels to drop below detection levels. Because chlorine is non-conservative, it is not a reliable indicator, although if very high chlorine levels are measured, it is a strong indication of a water line break, swimming pool discharge, or industrial discharge from a chlorine bleaching process.

Color

Color is a numeric computation of the color observed in a water quality sample, as measured in cobalt-platinum units (APHA, 1998). Both industrial liquid wastes and sewage tend to have elevated color values. Unfortunately, some “clean” flow types can also have high color values. Field testing by Pitt (IDDE Project Support Material) found high color values associated for all contaminated flows, but also many uncontaminated flows, which yielded numerous false

positives. Overall, color may be a good first screen for problem outfalls, but needs to be supplemented by other indicator parameters.

Conductivity

Conductivity, or specific conductance, is a measure of how easily electricity can flow through a water sample. Conductivity is often strongly correlated with the total amount of dissolved material in water, known as Total Dissolved Solids. The utility of conductivity as an indicator depends on whether concentrations are elevated in "natural" or clean waters. In particular, conductivity is a poor indicator of illicit discharge in estuarine waters or in northern regions where deicing salts are used (both have high conductivity readings). Field testing in Alabama suggests that conductivity has limited value to detect sewage or wash water (Pitt, IDDE Project Support Material). Conductivity has some value in detecting industrial discharges that can exhibit extremely high conductivity readings. Conductivity is extremely easy to measure with field probes, so it has the potential to be a useful supplemental indicator in subwatersheds that are dominated by industrial land uses.

Detergents

Most illicit discharges have elevated concentration of detergents. Sewage and washwater discharges contain detergents used to clean clothes or dishes, whereas liquid wastes contain detergents from industrial or commercial cleansers. The nearly universal presence of detergents in illicit discharges, combined with their absence in natural waters or tap water, makes them an excellent indicator. Research has revealed three indicator parameters that measure the level of detergent or its components-- surfactants, fluorescence, and surface tension (Pitt, IDDE Project Support Material). Surfactants have been the most widely applied and transferable of the three indicators. Fluorescence and surface tension show promise, but only limited field testing has been performed on these more experimental parameters. Methods and laboratory protocols for each of the three detergent indicator parameters are reviewed in Appendix F2.

E. coli, Enterococci and Total Coliform

Each of these bacteria is found at very high concentrations in sewage compared to other flow types, and is a good indicator of sewage or septage discharges, unless pet or wildlife sources exist in the subwatershed. Overall, bacteria are good supplemental indicators and can be used to find "problem" streams or outfalls that exceed public health standards. Relatively simple analytical methods are now available to test for bacteria indicators, although they still suffer from two monitoring constraints. The first is the relatively long analysis time (18-24 hours) to get results, and the second is that the waste produced by the tests may be classified as a biohazard and require special disposal techniques.

Fluorescence

Laundry detergents are highly fluorescent because optical brighteners are added to the formula to produce "brighter whites." Optical brighteners are the reason that white clothes appear to have a bluish color when placed under a fluorescent light. Fluorescence is a very sensitive indicator of the presence of detergents in discharges, using a fluorometer to measure fluorescence at specific wavelengths of light. Since no chemicals are needed for testing, fluorometers have minimal safety and waste disposal concerns. Some technical concerns do limit the utility of fluorescence as an indicator of illicit discharges. The concerns include the presence of fluorescence in non-illicit flow types such as irrigation water, the considerable variation of fluorescence between different detergent brands, and the lack of a readily standard or benchmark concentration for

optical brighteners. For example, Pitt (IDDE Project Support Material) measured fluorescence in mg/L of Tide™ brand detergent, and found the degree of fluorescence varied regionally, temporally, and between specific detergent formulations. Given these current limitations, fluorescence is best combined with other detergent indicators such as surfactants. Appendix F3 should be consulted for more detailed information on analytical methods and experimental field testing using fluorescence as an indicator parameter.

Fluoride

Fluoride is added to drinking water supplies in most communities to improve dental health, and normally found at a concentration of two parts per million in tapwater. Consequently, fluoride is an excellent conservative indicator of tap water discharges or leaks from water supply pipes that end up in the storm drain. Fluoride is obviously not a good indicator in communities that do not fluoridate drinking water, or where individual wells provide drinking water. One key constraint is that the reagent used in the recommended analytical method for fluoride is considered a hazardous waste, and must be disposed of properly.

Hardness

Hardness measures the positive ions dissolved in water and primarily include magnesium and calcium in natural waters, but are sometimes influenced by other metals. Field testing by Pitt (IDDE Project Support Material) suggests that hardness has limited value as an indicator parameter, except when values are extremely high or low (which may signal the presence of some liquid wastes). Hardness may be applicable in communities where hardness levels are elevated in groundwater due to karst or limestone terrain. In these regions, hardness can help distinguish natural groundwater flows present in outfalls from tap water and other flow types.

pH

Most discharge flow types are neutral, having a pH value around 7, although groundwater concentrations can be somewhat variable. pH is a reasonably good indicator for liquid wastes from industries, which can have very high or low pH (ranging from 3 to 12). The pH of residential wash water tends to be rather basic (pH of 8 or 9). The pH of a discharge is very simple to monitor in the field with low cost test strips or probes. Although pH data is often not conclusive by itself, it can identify problem outfalls that merit follow-up investigations using more effective indicators.

Potassium

Potassium is found at relatively high concentrations in sewage, and extremely high concentrations in many industrial process waters. Consequently, potassium can act as a good first screen for industrial wastes, and can also be used in combination with ammonia to distinguish wash waters from sanitary wastes. (See Chapter 12). Simple field probes can detect potassium at relatively high concentrations (5 mg/L), whereas more complex colorimetric tests are needed to detect potassium concentrations lower than 5 mg/L.

Surface Tension

Surfactants remove dirt particles by reducing the surface tension of the bubbles formed in laundry water when it is agitated. Reduced surface tension makes dirt particles less likely to settle on a solid surface (e.g., clothes or dishes) and become suspended instead on the water's surface. The visible manifestation of reduced surface tension is the formation of foam or bubbles on the water surface. Pitt (IDDE Project Support Material) tested a very simple procedure to

measure surface tension that quantifies the formation of foam and bubbles in sample bottles. Initial laboratory tests suggest that surface tension is a good indicator of surfactants, but only when they are present at relatively high concentrations. Section F3 provides a more detailed description of the surface tension measurement procedure.

Surfactants

Surfactants are the active ingredient in most commercial detergents, and are typically measured as Methyl Blue Active Substances (or MBAS). They are a synthetic replacement for soap, which builds up deposits on clothing over time. Since surfactants are not found in nature, but are always present in detergents, they are excellent indicators of sewage and wash waters. The presence of surfactants in cleansers, emulsifiers and lubricants also makes them an excellent indicator of industrial or commercial liquid wastes. In fact, research by Pitt (IDDE Project Support Material) found that detergents were an excellent indicator of "contaminated" discharges in Alabama (i.e., discharges that were not tap water or groundwater). Several analytical methods are available to monitor surfactants. Unfortunately, the reagents used involve toluene, chloroform, or benzene, each of which is considered hazardous waste with a potential human health risk. The most common analysis method uses chloroform as a reagent, and is recommended because it is relatively safer when compared to other reagents.

Turbidity

Turbidity is a quantitative measure of cloudiness in water, and is normally measured with a simple field probe. While turbidity itself cannot always distinguish between contaminated flow types, it is a potentially useful screening indicator to determine if the discharge is contaminated (i.e., not composed of tap water or groundwater).

Table 39: Indicator Parameters Used to Detect Illicit Discharges					
Parameter	Discharge Types It Can Detect				
	Sewage	Washwater	Tap Water	Industrial or Commercial Liquid Wastes	Laboratory/Analytical Challenges
Ammonia	●	◉	○	◉	Can change into other nitrogen forms as the flow travels to the outfall
Boron	◉	◉	○	N/A	
Chlorine	○	○	○	◉	High chlorine demand in natural waters limits utility to flows with very high chlorine concentrations
Color	◉	◉	○	◉	
Conductivity	◉	◉	○	◉	Ineffective in saline waters
Detergents – Surfactants	●	●	○	◉	Reagent is a hazardous waste
E. coli Enterococci Total Coliform	◉	○	○	○	24-hour wait for results Need to modify standard monitoring protocols to measure high bacteria concentrations
Fluoride*	○	○	●	◉	Reagent is a hazardous waste Exception for communities that do not fluoridate their tap water
Hardness	◉	◉	◉	◉	
pH	○	◉	○	◉	
Potassium	◉	○	○	●	May need to use two separate analytical techniques, depending on the concentration
Turbidity	◉	◉	○	◉	

● Can almost always (>80% of samples) distinguish this discharge from clean flow types (e.g., tap water or natural water). For tap water, can distinguish from natural water.
◉ Can sometimes (>50% of samples) distinguish this discharge from clean flow types depending on regional characteristics, or can be helpful in combination with another parameter
○ Poor indicator. Cannot reliably detect illicit discharges, or cannot detect tap water
N/A: Data are not available to assess the utility of this parameter for this purpose.
Data sources: Pitt (this study)
*Fluoride is a poor indicator when used as a single parameter, but when combined with additional parameters (such as detergents, ammonia and potassium), it can almost always distinguish between sewage and washwater.

Appendix 2

Appendix 2
Wyoming Outfall and Discharge Points
February 2015

Outfall ID#	Receiving Water	Ultimate Outfall	Outfall or Discharge Point	Latitude	Longitude	Priority
WYC19126		COLE DRAIN	discharge	42.891776	-85.66508	Medium Low
WYC19127		COLE DRAIN	discharge	42.894459	-85.665197	Medium Low
WYC19128		COLE DRAIN	discharge	42.890875	-85.665045	Medium Low
WYC2908	ALEXANDRIA DETENTION BASIN	ALEXANDRIA DETENTION BASIN	Outfall	42.870445	-85.757564	Medium-High
WYC2909	ALEXANDRIA DETENTION BASIN	ALEXANDRIA DETENTION BASIN	Outfall	42.870425	-85.755164	Medium-High
WYC3511	BC-1A	BC-1A	Outfall	42.858109	-85.688562	Medium-High
WYC3512	BC-1A	BC-1A	Outfall	42.857513	-85.687373	Medium-High
WYC3510	BC-1C	BC-1C	Outfall	42.864161	-85.688108	Medium-High
WYC3423	BC-3A	BC-3A	Outfall	42.866529	-85.715262	Medium-High
WYC3401	BC-3B	BC-3B	Outfall	42.869721	-85.706825	Medium-High
WYC3420	BC-3C	BC-3C	Outfall	42.865594	-85.706599	Medium-High
WYC3431	BC-3C	BC-3C	Outfall	42.86668	-85.708513	Medium-High
WYC3516	BC-3D	BC-3D	Outfall	42.867148	-85.699285	Medium-High
WYC3517	BC-3D	BC-3D	Outfall	42.866993	-85.699174	Medium-High
WYC3518	BC-3D	BC-3D	Outfall	42.866661	-85.69907	Medium-High
WYC3508	BC-3E	BC-3E	Outfall	42.868342	-85.690921	Medium-High
WYC3509	BC-3E	BC-3E	Outfall	42.867783	-85.69003	Medium-High
WYC2120	BEHAN AND FOLEY DRAIN	BEHAN AND FOLEY DRAIN	discharge	42.884869	-85.734543	Medium Low
WYC2818	BEHAN AND FOLEY DRAIN	BEHAN AND FOLEY DRAIN	Outfall	42.877041	-85.74299	Medium-High
WYC2819	BEHAN AND FOLEY DRAIN	BEHAN AND FOLEY DRAIN	Outfall	42.870269	-85.735672	Medium-High
WYC2820	BEHAN AND FOLEY DRAIN	BEHAN AND FOLEY DRAIN	Outfall	42.870274	-85.735621	Medium-High
WYC2821	BEHAN AND FOLEY DRAIN	BEHAN AND FOLEY DRAIN	Outfall	42.876218	-85.731675	Medium-High
WYC2822	BEHAN AND FOLEY DRAIN	BEHAN AND FOLEY DRAIN	Outfall	42.875502	-85.730888	Medium-High
WYC2824	BEHAN AND FOLEY DRAIN	BEHAN AND FOLEY DRAIN	Outfall	42.882084	-85.733673	Medium-High
WYC2825	BEHAN AND FOLEY DRAIN	BEHAN AND FOLEY DRAIN	Outfall	42.879373	-85.733542	Medium-High
WYC3202	BEHAN AND FOLEY DRAIN	BEHAN AND FOLEY DRAIN	Outfall	42.866649	-85.753005	Medium-High
WYC3203	BEHAN AND FOLEY DRAIN	BEHAN AND FOLEY DRAIN	Outfall	42.866515	-85.753099	Medium-High
WYC3303	BEHAN AND FOLEY DRAIN	BEHAN AND FOLEY DRAIN	Outfall	42.864346	-85.737943	Medium-High
WYC33102	BEHAN AND FOLEY DRAIN	BEHAN AND FOLEY DRAIN	Outfall	42.859255	-85.735566	Medium-High
WYC33103	BEHAN AND FOLEY DRAIN	BEHAN AND FOLEY DRAIN	Outfall	42.859461	-85.736618	Medium-High
WYC33104	BEHAN AND FOLEY DRAIN	BEHAN AND FOLEY DRAIN	Outfall	42.859003	-85.737857	Medium-High
WYC33108	BEHAN AND FOLEY DRAIN	BEHAN AND FOLEY DRAIN	Outfall	42.86199	-85.737559	Medium-High
WYC33110	BEHAN AND FOLEY DRAIN	BEHAN AND FOLEY DRAIN	Outfall	42.86915	-85.736254	Medium-High
WYC33111	BEHAN AND FOLEY DRAIN	BEHAN AND FOLEY DRAIN	Outfall	42.863019	-85.737957	Medium-High
WYC33116	BEHAN AND FOLEY DRAIN	BEHAN AND FOLEY DRAIN	Outfall	42.858956	-85.736545	Medium-High

WYC3324	BEHAN AND FOLEY DRAIN	BEHAN AND FOLEY DRAIN	Outfall	42.859333	-85.734791	Medium-High
WYC33105	BEHAN FOLEY	BEHAN AND FOLEY DRAIN	Outfall	42.860217	-85.737864	Medium-High
WYC3390	BF-1A	BF-1A	Outfall	42.867358	-85.726971	Medium-High
WYC3391	BF-1A	BF-1A	Outfall	42.867048	-85.727139	Medium-High
WYC3392	BF-1A	BF-1A	Outfall	42.867257	-85.728013	Medium-High
WYC3393	BF-1B	BF-1B	Outfall	42.868167	-85.72951	Medium-High
WYC3394	BF-1B	BF-1B	Outfall	42.867861	-85.730616	Medium-High
WYC3395	BF-1B	BF-1B	Outfall	42.867718	-85.730588	Medium-High
WYC3396	BF-1B	BF-1B	Outfall	42.867858	-85.731057	Medium-High
WYC3397	BF-1B	BF-1B	Outfall	42.868649	-85.731846	Medium-High
WYC3309	BF-1C	BF-1C	Outfall	42.869313	-85.723593	Medium-High
WYC3389	BF-1C	BF-1C	Outfall	42.86946	-85.723671	Medium-High
WYC3398	BF-2B	BF-2B	Outfall	42.864532	-85.731964	Medium-High
WYC3399	BF-2B	BF-2B	Outfall	42.863986	-85.731665	Medium-High
WYC33100	BF-3A	BEHAN AND FOLEY DRAIN	Outfall	42.856915	-85.730186	Medium-High
WYC33101	BF-3A	BEHAN AND FOLEY DRAIN	Outfall	42.85869	-85.732498	Medium-High
WYC3204	BF-4A	BF-4A	Outfall	42.862848	-85.748189	Medium-High
WYC3205	BF-4A	BF-4A	Outfall	42.862834	-85.748577	Medium-High
WYC3307	BF-5	BF-5	Outfall	42.866478	-85.739948	Medium-High
WYC33112	BF-5	BF-6	Outfall	42.864386	-85.742322	Medium-High
WYC2117	BUCK CREEK	BUCK CREEK	Outfall	42.899327	-85.735124	Medium-High
WYC2118	BUCK CREEK	BUCK CREEK	Outfall	42.893516	-85.730475	Medium-High
WYC2119	BUCK CREEK	BUCK CREEK	Outfall	42.889144	-85.727974	Medium-High
WYC2203	BUCK CREEK	BUCK CREEK	Outfall	42.890885	-85.72406	Medium-High
WYC2227	BUCK CREEK	BUCK CREEK	Outfall	42.88827	-85.711312	Medium-High
WYC2229	BUCK CREEK	BUCK CREEK	Outfall	42.890679	-85.724084	Medium-High
WYC2230	BUCK CREEK	BUCK CREEK	Outfall	42.889972	-85.712833	Medium-High
WYC2233	BUCK CREEK	BUCK CREEK	Outfall	42.890413	-85.709082	Medium-High
WYC2236	BUCK CREEK	BUCK CREEK	Outfall	42.887971	-85.704989	Medium-High
WYC2237	BUCK CREEK	BUCK CREEK	Outfall	42.884596	-85.706205	Medium-High
WYC2238	BUCK CREEK	BUCK CREEK	Outfall	42.884712	-85.711093	Medium-High
WYC2239	BUCK CREEK	BUCK CREEK	Outfall	42.888752	-85.719767	Medium-High
WYC2240	BUCK CREEK	BUCK CREEK	Outfall	42.890938	-85.718767	Medium-High
WYC2241	BUCK CREEK	BUCK CREEK	Outfall	42.890056	-85.717119	Medium-High
WYC2242	BUCK CREEK	BUCK CREEK	Outfall	42.889685	-85.717768	Medium-High
WYC2243	BUCK CREEK	BUCK CREEK	Outfall	42.888598	-85.717236	Medium-High
WYC2245	BUCK CREEK	BUCK CREEK	Outfall	42.885302	-85.711625	Medium-High
WYC2246	BUCK CREEK	BUCK CREEK	Outfall	42.886099	-85.710747	Medium-High
WYC2247	BUCK CREEK	BUCK CREEK	Outfall	42.889793	-85.709355	Medium-High
WYC2248	BUCK CREEK	BUCK CREEK	Outfall	42.893648	-85.706238	Medium-High
WYC2618	BUCK CREEK	BUCK CREEK	Outfall	42.881305	-85.702464	Medium-High
WYC2619	BUCK CREEK	BUCK CREEK	Outfall	42.880826	-85.701178	Medium-High
WYC2621	BUCK CREEK	BUCK CREEK	Outfall	42.870611	-85.68426	Medium-High

WYC2622	BUCK CREEK	BUCK CREEK	Outfall	42.870747	-85.684258	Medium-High
WYC2623	BUCK CREEK	BUCK CREEK	Outfall	42.88031	-85.699202	Medium-High
WYC2624	BUCK CREEK	BUCK CREEK	Outfall	42.881111	-85.689342	Medium-High
WYC2625	BUCK CREEK	BUCK CREEK	Outfall	42.872947	-85.699011	Medium-High
WYC2702	BUCK CREEK	BUCK CREEK	Outfall	42.883685	-85.705394	Medium-High
WYC2712	BUCK CREEK	BUCK CREEK	Outfall	42.884253	-85.706298	Medium-High
WYC2715	BUCK CREEK	BUCK CREEK	Outfall	42.883947	-85.706869	Medium-High
WYC3609	BUCK CREEK	BUCK CREEK	Outfall	42.86232	-85.673809	Medium-High
WYC3654	BUCK CREEK	BUCK CREEK	Outfall	42.863808	-85.676152	Medium-High
WYC3655	BUCK CREEK	BUCK CREEK	Outfall	42.863653	-85.676168	Medium-High
WYC3663	BUCK CREEK	BUCK CREEK EXTENSION	Outfall	42.859	-85.676472	Medium-High
WYC3664	BUCK CREEK	BUCK CREEK EXTENSION	Outfall	42.859051	-85.675905	Medium-High
WYC3647	BUCK CREEK EXTENSION	BUCK CREEK EXTENSION	Outfall	42.857317	-85.672473	Medium-High
WYC3660	BUCK CREEK EXTENSION	Buck Creek Extension	Outfall	42.855675	-85.674129	Medium-High
WYC3122	BYRON TOWNSHIP	Knight Drain	discharge	42.856171	-85.776623	Medium Low
WYC3429	BYRON TOWNSHIP	Detention Pond	discharge	42.853774	-85.709781	Medium Low
WYC0265	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.94171	-85.686918	Medium Low
WYC0267	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.93426	-85.686552	Medium Low
WYC0268	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.933363	-85.686508	Medium Low
WYC0269	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.931068	-85.686395	Medium Low
WYC0270	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.930265	-85.686356	Medium Low
WYC0271	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.928011	-85.686248	Medium Low
WYC0272	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.941809	-85.691833	Medium Low
WYC1113	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.927871	-85.68624	Medium Low
WYC1114	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.927799	-85.686237	Medium Low
WYC1115	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.926955	-85.686206	Medium Low
WYC1116	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.926081	-85.686171	Medium Low
WYC1117	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.925033	-85.686135	Medium Low
WYC1118	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.924547	-85.686117	Medium Low
WYC1119	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.923773	-85.686089	Medium Low
WYC1120	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.922948	-85.686059	Medium Low
WYC1121	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.921441	-85.686004	Medium Low
WYC1122	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.921131	-85.686153	Medium Low
WYC1246	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.92061	-85.684415	Medium Low
WYC1247	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.919859	-85.666316	Medium Low
WYC1248	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.919246	-85.666287	Medium Low
WYC1249	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.918463	-85.666248	Medium Low
WYC1816	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.910567	-85.665605	Medium Low
WYC1817	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.910554	-85.664746	Medium Low
WYC1818	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.910527	-85.662925	Medium Low
WYC1819	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.91052	-85.662478	Medium Low
WYC1820	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.91051	-85.661817	Medium Low
WYC1821	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.910338	-85.656882	Medium Low

WYC1822	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.912704	-85.650983	Medium Low
WYC1823	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.905577	-85.646688	Medium Low
WYC1824	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.90302	-85.64656	Medium Low
WYC1825	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.900621	-85.64644	Medium Low
WYC1826	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.899868	-85.646402	Medium Low
WYC1837	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.907859	-85.646939	Medium Low
WYC1838	CITY OF GRAND RAPIDS	PLASTER CREEK	Discharge Point	42.908647	-85.646958	Medium Low
WYC1942	CITY OF GRAND RAPIDS	HEYBOER DRAIN	Outfall	42.886541	-85.645753	Medium-High
WYC1943	CITY OF GRAND RAPIDS	HEYBOER DRAIN	Outfall	42.885187	-85.645691	Medium-High
WYC1644	CITY OF GRANDVILLE	BUCK CREEK	discharge	42.899269	-85.734208	Medium Low
WYC1645	CITY OF GRANDVILLE	BUCK CREEK	discharge	42.899267	-85.734208	Medium Low
WYC2116	CITY OF GRANDVILLE	BEHAN AND FOLEY DRAIN	discharge	42.8847	-85.733901	Medium Low
WYC2916	CITY OF GRANDVILLE	Huizenga Drain	discharge	42.877603	-85.762448	Medium Low
WYC2917	CITY OF GRANDVILLE	Huizenga Drain	discharge	42.877603	-85.762438	Medium Low
WYC1815	CLAFOR DRAIN	PLASTER CREEK	Discharge Point	42.910248	-85.65182	Medium Low
WYC1241	COLE DRAIN	COLE DRAIN	Outfall	42.916448	-85.674898	Medium-High
WYC1302	COLE DRAIN	COLE DRAIN	Outfall	42.909069	-85.676537	Medium-High
WYC1303	COLE DRAIN	COLE DRAIN	Outfall	42.906136	-85.675811	Medium-High
WYC1308	COLE DRAIN	COLE DRAIN	Outfall	42.906154	-85.67579	Medium-High
WYC1310	COLE DRAIN	COLE DRAIN	Outfall	42.905012	-85.675162	Medium-High
WYC1317	COLE DRAIN	COLE DRAIN	Outfall	42.907673	-85.676317	Medium-High
WYC1318	COLE DRAIN	COLE DRAIN	Outfall	42.906167	-85.675766	Medium-High
WYC1319	COLE DRAIN	COLE DRAIN	Outfall	42.902281	-85.67499	Medium-High
WYC1321	COLE DRAIN	COLE DRAIN	Outfall	42.898862	-85.675054	Medium-High
WYC1322	COLE DRAIN	COLE DRAIN	Outfall	42.898877	-85.675002	Medium-High
WYC2403	COLE DRAIN	COLE DRAIN	Outfall	42.896196	-85.675602	Medium-High
WYC2404	COLE DRAIN	COLE DRAIN	Outfall	42.896136	-85.675643	Medium-High
WYC2405	COLE DRAIN	COLE DRAIN	Outfall	42.89608	-85.675635	Medium-High
WYC3657	CRIPPEN DRAIN	CRIPPEN DRAIN	Outfall	42.856005	-85.663915	Medium-High
WYC3658	CRIPPEN DRAIN	CRIPPEN DRAIN	Outfall	42.855937	-85.663913	Medium-High
WYC1107	DB1101	DB1101	Outfall	42.916834	-85.688858	Medium-High
WYC1108	DB1101	DB1101	Outfall	42.916718	-85.688926	Medium-High
WYC1109	DB1101	DB1101	Outfall	42.916669	-85.687924	Medium-High
WYC1110	DB1101	DB1101	Outfall	42.916403	-85.688206	Medium-High
WYC2305	DB2301	DB2301	Outfall	42.890667	-85.691755	Medium-High
WYC2306	DB2301	DB2301	Outfall	42.8907	-85.691765	Medium-High
WYC2907	DB2901	DB2901	Outfall	42.873878	-85.757427	Medium-High
WYC3127	DB3101	UNNAMED STREAM	discharge	42.86784	-85.77533	Medium Low
WYC3128	DB3101	UNNAMED STREAM	discharge	42.86809	-85.775263	Medium Low
WYC33119	DB3306	DB3307	Outfall	42.860005	-85.726067	Medium-High
WYC3430	DB3401	BC-3C	Outfall	42.862761	-85.713297	Medium-High
WYC3515	DB3503	DB3503	Outfall	42.8654	-85.703266	Medium-High
WYC3659	DB3601	DB3601	Outfall	42.857117	-85.683362	Medium-High

WYC1320	DIVISION AVENUE DRAIN	DIVISION AVENUE DRAIN	Outfall	42.902259	-85.67295	Medium-High
WYC3425	GC-1B	GC-1B	Outfall	42.860441	-85.708828	Medium-High
WYC3426	GC-1B	GC-1B	Outfall	42.860402	-85.708686	Medium-High
WYC3427	GC-1B	GC-1B	Outfall	42.857723	-85.708686	Medium-High
WYC2915	H-1B	H-1B	Outfall	42.87705	-85.752507	Medium-High
WYC3121	H-2A	Huizenga Drain	Outfall	42.865311	-85.772513	Medium-High
WYC1804	HEYBOER DRAIN	HEYBOER DRAIN	Outfall	42.905503	-85.655595	Medium-High
WYC1941	HEYBOER DRAIN	HEYBOER DRAIN	Outfall	42.884748	-85.650875	Medium-High
WYC2520	HEYBOER DRAIN	HEYBOER DRAIN	Outfall	42.871276	-85.664533	Medium-High
WYC2521	HEYBOER DRAIN	HEYBOER DRAIN	Outfall	42.871253	-85.664452	Medium-High
WYC2522	HEYBOER DRAIN	HEYBOER DRAIN	Outfall	42.871185	-85.664452	Medium-High
WYC3602	HEYBOER DRAIN	HEYBOER DRAIN	Outfall	42.869295	-85.671615	Medium-High
WYC3603	HEYBOER DRAIN	HEYBOER DRAIN	Outfall	42.869314	-85.673122	Medium-High
WYC3604	HEYBOER DRAIN	HEYBOER DRAIN	Outfall	42.868901	-85.674377	Medium-High
WYC3625	HEYBOER DRAIN	HEYBOER DRAIN	Outfall	42.867895	-85.675888	Medium-High
WYC3651	HEYBOER DRAIN	HEYBOER DRAIN	Outfall	42.869309	-85.670293	Medium-High
WYC3652	HEYBOER DRAIN	HEYBOER DRAIN	Outfall	42.867866	-85.674588	Medium-High
WYC3653	HEYBOER DRAIN	HEYBOER DRAIN	Outfall	42.867967	-85.675885	Medium-High
WYC1939	HEYBOER DRAIN #2	HEYBOER DRAIN #2	Outfall	42.898096	-85.649896	Medium-High
WYC1940	HEYBOER DRAIN #2	HEYBOER DRAIN #2	Outfall	42.894326	-85.648569	Medium-High
WYC3014	HUIZENGA DRAIN	Huizenga Drain	discharge	42.871003	-85.768942	Medium Low
WYC2901	HUIZENGA DRAIN	Huizenga Drain	Outfall	42.877679	-85.762089	Medium-High
WYC2903	HUIZENGA DRAIN	Huizenga Drain	Outfall	42.876388	-85.762255	Medium-High
WYC2904	HUIZENGA DRAIN	Huizenga Drain	Outfall	42.876154	-85.76221	Medium-High
WYC2905	HUIZENGA DRAIN	Huizenga Drain	Outfall	42.875778	-85.762203	Medium-High
WYC2906	HUIZENGA DRAIN	Huizenga Drain	Outfall	42.875059	-85.762227	Medium-High
WYC2910	HUIZENGA DRAIN	HUIZENGA DRAIN	Outfall	42.873052	-85.754001	Medium-High
WYC2911	HUIZENGA DRAIN	HUIZENGA DRAIN	Outfall	42.872306	-85.752625	Medium-High
WYC2912	HUIZENGA DRAIN	HUIZENGA DRAIN	Outfall	42.870533	-85.752607	Medium-High
WYC2913	HUIZENGA DRAIN	HUIZENGA DRAIN	Outfall	42.870383	-85.752759	Medium-High
WYC3002	HUIZENGA DRAIN	Huizenga Drain	Outfall	42.870547	-85.766643	Medium-High
WYC3004	HUIZENGA DRAIN	Huizenga Drain	Outfall	42.877864	-85.772507	Medium-High
WYC3013	HUIZENGA DRAIN	Huizenga Drain	Outfall	42.870485	-85.766211	Medium-High
WYC3129	HUIZENGA DRAIN	Huizenga Drain	Outfall	42.869224	-85.772542	Medium-High
WYC19111	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	discharge	42.885712	-85.645671	Medium Low
WYC1250	KENT COUNTY DRAIN COMMISSION	PLASTER CREEK	Discharge Point	42.915442	-85.671084	Medium Low
WYC1251	KENT COUNTY DRAIN COMMISSION	PLASTER CREEK	Discharge Point	42.916164	-85.671104	Medium Low
WYC1252	KENT COUNTY DRAIN COMMISSION	PLASTER CREEK	Discharge Point	42.914677	-85.671048	Medium Low
WYC1253	KENT COUNTY DRAIN COMMISSION	PLASTER CREEK	Discharge Point	42.914268	-85.671026	Medium Low
WYC1323	KENT COUNTY DRAIN COMMISSION	PLASTER CREEK	Discharge Point	42.913022	-85.668704	Medium Low
WYC1324	KENT COUNTY DRAIN COMMISSION	PLASTER CREEK	Discharge Point	42.913129	-85.669914	Medium Low
WYC1325	KENT COUNTY DRAIN COMMISSION	PLASTER CREEK	Discharge Point	42.913142	-85.670455	Medium Low
WYC1326	KENT COUNTY DRAIN COMMISSION	PLASTER CREEK	Discharge Point	42.913137	-85.670828	Medium Low

WYC1327	KENT COUNTY DRAIN COMMISSION	PLASTER CREEK	Discharge Point	42.911331	-85.668465	Medium	Low
WYC1328	KENT COUNTY DRAIN COMMISSION	PLASTER CREEK	Discharge Point	42.911312	-85.667285	Medium	Low
WYC1329	KENT COUNTY DRAIN COMMISSION	PLASTER CREEK	Discharge Point	42.911296	-85.6665	Medium	Low
WYC1330	KENT COUNTY DRAIN COMMISSION	PLASTER CREEK	Discharge Point	42.911289	-85.666083	Medium	Low
WYC1331	KENT COUNTY DRAIN COMMISSION	PLASTER CREEK	Discharge Point	42.911241	-85.665956	Medium	Low
WYC1332	KENT COUNTY DRAIN COMMISSION	PLASTER CREEK	Discharge Point	42.910589	-85.66593	Medium	Low
WYC1333	KENT COUNTY DRAIN COMMISSION	PLASTER CREEK	Discharge Point	42.91045	-85.665918	Medium	Low
WYC1334	KENT COUNTY DRAIN COMMISSION	PLASTER CREEK	Discharge Point	42.909446	-85.665875	Medium	Low
WYC1335	KENT COUNTY DRAIN COMMISSION	PLASTER CREEK	Discharge Point	42.909395	-85.66588	Medium	Low
WYC1336	KENT COUNTY DRAIN COMMISSION	PLASTER CREEK	Discharge Point	42.908563	-85.665835	Medium	Low
WYC1337	KENT COUNTY DRAIN COMMISSION	PLASTER CREEK	Discharge Point	42.908162	-85.665821	Medium	Low
WYC1338	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.905844	-85.6657	Medium	Low
WYC1339	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.905058	-85.66567	Medium	Low
WYC1340	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.90484	-85.665662	Medium	Low
WYC1341	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.90434	-85.665641	Medium	Low
WYC1342	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.904103	-85.66563	Medium	Low
WYC1343	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.903892	-85.665621	Medium	Low
WYC1344	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.903716	-85.665613	Medium	Low
WYC1345	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.9036	-85.665608	Medium	Low
WYC1346	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.903224	-85.665591	Medium	Low
WYC1347	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.903147	-85.665587	Medium	Low
WYC1348	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.902506	-85.665559	Medium	Low
WYC1349	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.902097	-85.665542	Medium	Low
WYC1350	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.901477	-85.665512	Medium	Low
WYC1351	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.90086	-85.665482	Medium	Low
WYC1352	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.900314	-85.665456	Medium	Low
WYC1353	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.900253	-85.665453	Medium	Low
WYC1354	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.899623	-85.665427	Medium	Low
WYC1355	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.899494	-85.665422	Medium	Low
WYC1356	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.898816	-85.665491	Medium	Low
WYC1357	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.898706	-85.665481	Medium	Low
WYC1358	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.898598	-85.665385	Medium	Low
WYC1359	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.902199	-85.66712	Medium	Low
WYC1360	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.902208	-85.668459	Medium	Low
WYC1361	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.902224	-85.669169	Medium	Low
WYC1362	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.902236	-85.670413	Medium	Low
WYC1363	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.902247	-85.671674	Medium	Low
WYC1364	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.902248	-85.671766	Medium	Low
WYC1365	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.902249	-85.671835	Medium	Low
WYC1830	KENT COUNTY DRAIN COMMISSION	PLASTER CREEK	Discharge Point	42.905681	-85.654096	Medium	Low
WYC1831	KENT COUNTY DRAIN COMMISSION	PLASTER CREEK	Discharge Point	42.905673	-85.653113	Medium	Low
WYC1832	KENT COUNTY DRAIN COMMISSION	PLASTER CREEK	Discharge Point	42.905678	-85.652064	Medium	Low
WYC1833	KENT COUNTY DRAIN COMMISSION	PLASTER CREEK	Discharge Point	42.905675	-85.651646	Medium	Low

WYC1834	KENT COUNTY DRAIN COMMISSION	PLASTER CREEK	Discharge Point	42.905672	-85.650582	Medium Low
WYC1835	KENT COUNTY DRAIN COMMISSION	PLASTER CREEK	Discharge Point	42.90566	-85.648569	Medium Low
WYC1836	KENT COUNTY DRAIN COMMISSION	PLASTER CREEK	Discharge Point	42.905655	-85.647611	Medium Low
WYC1841	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.900533	-85.665467	Medium Low
WYC1944	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Discharge Point	42.89425	-85.646003	Medium-High
WYC1945	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Discharge Point	42.89425	-85.646068	Medium-High
WYC1946	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Discharge Point	42.891193	-85.64292	Medium-High
WYC1947	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Discharge Point	42.891203	-85.644061	Medium-High
WYC1948	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Discharge Point	42.89121	-85.645177	Medium-High
WYC1949	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Discharge Point	42.891152	-85.645595	Medium-High
WYC1950	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Discharge Point	42.891154	-85.645793	Medium-High
WYC1951	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Discharge Point	42.891149	-85.645992	Medium-High
WYC1952	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Discharge Point	42.891167	-85.64715	Medium-High
WYC1953	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Discharge Point	42.891187	-85.648282	Medium-High
WYC1954	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Discharge Point	42.891186	-85.648407	Medium-High
WYC1962	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Discharge Point	42.894894	-85.656583	Medium Low
WYC1963	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Discharge Point	42.894938	-85.660968	Medium Low
WYC2406	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.897764	-85.665351	Medium Low
WYC2407	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.897629	-85.665345	Medium Low
WYC2408	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.897494	-85.665339	Medium Low
WYC2409	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.896567	-85.665302	Medium Low
WYC2410	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.896344	-85.665288	Medium Low
WYC2411	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.895774	-85.665266	Medium Low
WYC2412	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.895464	-85.665251	Medium Low
WYC2413	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.893923	-85.665183	Medium Low
WYC2414	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.893605	-85.66516	Medium Low
WYC2415	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.893269	-85.665143	Medium Low
WYC2416	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.893135	-85.665144	Medium Low
WYC2417	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.892694	-85.665119	Medium Low
WYC2418	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.892557	-85.665114	Medium Low
WYC2420	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.891606	-85.665073	Medium Low
WYC2421	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.891212	-85.665058	Medium Low
WYC2422	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.890277	-85.665041	Medium Low
WYC2423	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.889965	-85.66504	Medium Low
WYC2424	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.889662	-85.665007	Medium Low
WYC2425	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.889153	-85.66498	Medium Low
WYC2426	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.888555	-85.664958	Medium Low
WYC2427	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.888237	-85.664947	Medium Low
WYC2430	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Discharge Point	42.887112	-85.664911	Medium Low
WYC2431	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Discharge Point	42.88695	-85.664898	Medium Low
WYC2432	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Discharge Point	42.886055	-85.664867	Medium Low
WYC2433	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Discharge Point	42.885767	-85.664858	Medium Low
WYC2434	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Discharge Point	42.884991	-85.664832	Medium Low

WYC2435	KENT COUNTY DRAIN COMMISSION	COLE DRAIN	Discharge Point	42.892262	-85.665101	Medium Low
WYC2523	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Discharge Point	42.883977	-85.664793	Medium Low
WYC2524	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Discharge Point	42.883074	-85.664756	Medium Low
WYC2525	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Discharge Point	42.882704	-85.664742	Medium Low
WYC2526	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Discharge Point	42.882383	-85.66473	Medium Low
WYC2527	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Discharge Point	42.88161	-85.6647	Medium Low
WYC2528	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Discharge Point	42.880792	-85.664677	Medium Low
WYC2529	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Discharge Point	42.880765	-85.664676	Medium Low
WYC2530	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Discharge Point	42.880448	-85.664657	Medium Low
WYC2531	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Discharge Point	42.879033	-85.664602	Medium Low
WYC2532	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Discharge Point	42.87811	-85.664566	Medium Low
WYC2533	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Discharge Point	42.877553	-85.664553	Medium Low
WYC2534	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Discharge Point	42.877084	-85.664541	Medium Low
WYC2535	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Discharge Point	42.876976	-85.664631	Medium Low
WYC0923	KENT COUNTY DRAIN COMMISSION	ROYS CREEK	Outfall	42.913929	-85.730327	Medium-High
WYC19100	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Outfall	42.888715	-85.654903	Medium-High
WYC19101	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Outfall	42.889235	-85.654927	Medium-High
WYC19102	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Outfall	42.890496	-85.654985	Medium-High
WYC19103	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Outfall	42.891262	-85.655021	Medium-High
WYC19104	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Outfall	42.891319	-85.655024	Medium-High
WYC19105	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Outfall	42.892382	-85.655076	Medium-High
WYC19106	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Outfall	42.892662	-85.655089	Medium-High
WYC19107	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Outfall	42.893682	-85.655139	Medium-High
WYC19108	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Outfall	42.89412	-85.655161	Medium-High
WYC19109	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Outfall	42.894186	-85.655164	Medium-High
WYC19110	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Outfall	42.894492	-85.655179	Medium-High
WYC1955	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Outfall	42.891184	-85.648492	Medium-High
WYC1956	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Outfall	42.897208	-85.655772	Medium-High
WYC1957	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Outfall	42.896842	-85.655754	Medium-High
WYC1958	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Outfall	42.896738	-85.655749	Medium-High
WYC1959	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Outfall	42.896321	-85.655729	Medium-High
WYC1960	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Outfall	42.895971	-85.655712	Medium-High
WYC1961	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Outfall	42.895591	-85.655694	Medium-High
WYC1992	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Outfall	42.884353	-85.653611	Medium-High
WYC1993	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Outfall	42.884446	-85.653615	Medium-High
WYC1994	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Outfall	42.884786	-85.653631	Medium-High
WYC1995	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Outfall	42.884951	-85.653986	Medium-High
WYC1996	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Outfall	42.885819	-85.654766	Medium-High
WYC1997	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Outfall	42.88686	-85.654816	Medium-High
WYC1998	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Outfall	42.88801	-85.65487	Medium-High
WYC1999	KENT COUNTY DRAIN COMMISSION	HEYBOER DRAIN	Outfall	42.888598	-85.654897	Medium-High
WYC3113	KNIGHT DRAIN	KNIGHT DRAIN	Outfall	42.856132	-85.773623	Medium-High
WYC3116	KNIGHT DRAIN	Knight Drain	Outfall	42.857326	-85.764763	Medium-High

WYC0301	P0301	PO301	Outfall	42.928581	-85.71126	Medium-High
WYC0401	P0401	P0401	Outfall	42.930523	-85.728503	Medium-High
WYC1007	P1001	P1001	Outfall	42.927197	-85.720249	Medium-High
WYC1008	P1001	P1001	Outfall	42.926669	-85.719665	Medium-High
WYC1009	P1001	P1001	Outfall	42.927457	-85.714737	Medium-High
WYC1111	P1101	P1101	Outfall	42.919137	-85.700547	Medium-High
WYC1112	P1101	P1101	Outfall	42.917201	-85.701522	Medium-High
WYC1105	P1102	P1102	Outfall	42.916026	-85.698576	Medium-High
WYC1106	P1102	P1102	Outfall	42.915062	-85.697702	Medium-High
WYC1551	P1501	P1501	Outfall	42.907708	-85.722384	Medium-High
WYC1564	P1501	p1501	Outfall	42.907645	-85.720223	Medium-High
WYC2101	P2101	BUCK CREEK	Outfall	42.894579	-85.731905	Medium-High
WYC2234	P2201	P2201	Outfall	42.891393	-85.708252	Medium-High
WYC2235	P2201	P2201	Outfall	42.891634	-85.707497	Medium-High
WYC2231	P2202	P2202	Outfall	42.889075	-85.707881	Medium-High
WYC2519	P2501	P2501	Outfall	42.878697	-85.679134	Medium-High
WYC2617	P2601	P2601	Outfall	42.882892	-85.698909	Medium-High
WYC2620	P2602	P2602	Outfall	42.869922	-85.684976	Medium-High
WYC2704	P2701	P2701	Outfall	42.87003	-85.706836	Medium-High
WYC2713	P2701	P2701	Outfall	42.870028	-85.707355	Medium-High
WYC2823	P2801	P2802	Outfall	42.874415	-85.728832	Medium-High
WYC2914	P2901	P2901	Outfall	42.877193	-85.75307	Medium-High
WYC3003	P3001	Huizenga Drain	discharge	42.877692	-85.773193	Medium Low
WYC3111	P3101	UNNAMED STREAM	discharge	42.867109	-85.777866	Medium Low
WYC3118	P3104	Huizenga Drain	Outfall	42.867993	-85.767025	Medium-High
WYC3131	P3105	Huizenga Drain	discharge	42.864539	-85.766452	Medium Low
WYC3117	P3105	Huizenga Drain	Outfall	42.86616	-85.766614	Medium-High
WYC3119	P3108	Huizenga Drain	discharge	42.865373	-85.77353	Medium Low
WYC3120	P3108	Huizenga Drain	discharge	42.86539	-85.77293	Medium Low
WYC3206	P3201	P3201	Outfall	42.861471	-85.756261	Medium-High
WYC3306	P3301	P3301	Outfall	42.869579	-85.739411	Medium-High
WYC33106	P3304	P3304	Outfall	42.861706	-85.736362	Medium-High
WYC33107	P3304	P3304	Outfall	42.86032	-85.73462	Medium-High
WYC3318	P3304	P3304	Outfall	42.860265	-85.736318	Medium-High
WYC3421	P3403	P3403	Outfall	42.861947	-85.719109	Medium-High
WYC3422	P3404	P3404	Outfall	42.857365	-85.722603	Medium-High
WYC3424	P3406	P3406	Outfall	42.858635	-85.712558	Medium-High
WYC3428	P3408	P3408	Outfall	42.855494	-85.713807	Medium-High
WYC3656	P3601	P3601	Outfall	42.856317	-85.668062	Medium-High
WYC0202	PLASTER CREEK	PLASTER CREEK	Outfall	42.941199	-85.696684	Medium-High
WYC0204	PLASTER CREEK	PLASTER CREEK	Outfall	42.9387	-85.692889	Medium-High
WYC0211	PLASTER CREEK	PLASTER CREEK	Outfall	42.929198	-85.686458	Medium-High
WYC0242	PLASTER CREEK	PLASTER CREEK	Outfall	42.930402	-85.688689	Medium-High

WYC0258	PLASTER CREEK	PLASTER CREEK	Outfall	42.940154	-85.695555	Medium-High
WYC0259	PLASTER CREEK	PLASTER CREEK	Outfall	42.937631	-85.690319	Medium-High
WYC0260	PLASTER CREEK	PLASTER CREEK	Outfall	42.937516	-85.689819	Medium-High
WYC0261	PLASTER CREEK	PLASTER CREEK	Outfall	42.937504	-85.690012	Medium-High
WYC0262	PLASTER CREEK	PLASTER CREEK	Outfall	42.937485	-85.689968	Medium-High
WYC0263	PLASTER CREEK	PLASTER CREEK	Outfall	42.935677	-85.687515	Medium-High
WYC0264	PLASTER CREEK	PLASTER CREEK	Outfall	42.931222	-85.688772	Medium-High
WYC1216	PLASTER CREEK	PLASTER CREEK	Outfall	42.918538	-85.671348	Medium-High
WYC1217	PLASTER CREEK	PLASTER CREEK	Outfall	42.918808	-85.672869	Medium-High
WYC1240	PLASTER CREEK	PLASTER CREEK	Outfall	42.919193	-85.677452	Medium-High
WYC1243	PLASTER CREEK	PLASTER CREEK	Outfall	42.918419	-85.671365	Medium-High
WYC1244	PLASTER CREEK	PLASTER CREEK	Outfall	42.91827	-85.67048	Medium-High
WYC1245	PLASTER CREEK	PLASTER CREEK	Outfall	42.917993	-85.667782	Medium-High
WYC1840	PLASTER CREEK	PLASTER CREEK	Outfall	42.912697	-85.650818	Medium-High
WYC33109	POND26	POND26	Outfall	42.870057	-85.74092	Medium-High
WYC3016	POND36	POND36	Outfall	42.869843	-85.775255	Medium-High
WYC3112	RC-2	RC-2	Outfall	42.857467	-85.773817	Medium-High
WYC3114	RC-3B	RC-3B	Outfall	42.856705	-85.768728	Medium-High
WYC3115	RC-3B	RC-3B	Outfall	42.856996	-85.766371	Medium-High
WYC0901	ROYS CREEK	ROYS CREEK	Outfall	42.919432	-85.733732	Medium-High
WYC0902	Roys Creek	Roys Creek	Outfall	42.921704	-85.743145	Medium-High
WYC0921	ROYS CREEK	ROYS CREEK	Outfall	42.917639	-85.733398	Medium-High
WYC0922	ROYS CREEK	ROYS CREEK	Outfall	42.917287	-85.732976	Medium-High
WYC1503	ROYS CREEK	ROYS CREEK	Outfall	42.905145	-85.721406	Medium-High
WYC1510	ROYS CREEK	ROYS CREEK	Outfall	42.906993	-85.716066	Medium-High
WYC1538	ROYS CREEK	ROYS CREEK	Outfall	42.91037	-85.708785	Medium-High
WYC1552	ROYS CREEK	ROYS CREEK	Outfall	42.906037	-85.718468	Medium-High
WYC1553	ROYS CREEK	ROYS CREEK	Outfall	42.906759	-85.71738	Medium-High
WYC1554	ROYS CREEK	ROYS CREEK	Outfall	42.906762	-85.717294	Medium-High
WYC1555	ROYS CREEK	ROYS CREEK	Outfall	42.907476	-85.715002	Medium-High
WYC1556	ROYS CREEK	ROYS CREEK	Outfall	42.907398	-85.714884	Medium-High
WYC1557	ROYS CREEK	ROYS CREEK	Outfall	42.907427	-85.714809	Medium-High
WYC1558	ROYS CREEK	ROYS CREEK	Outfall	42.908143	-85.712331	Medium-High
WYC1559	ROYS CREEK	ROYS CREEK	Outfall	42.909633	-85.709664	Medium-High
WYC1560	ROYS CREEK	ROYS CREEK	Outfall	42.909916	-85.709383	Medium-High
WYC1561	ROYS CREEK	ROYS CREEK	Outfall	42.909974	-85.709305	Medium-High
WYC1562	ROYS CREEK	ROYS CREEK	Outfall	42.911095	-85.707998	Medium-High
WYC1563	ROYS CREEK	ROYS CREEK	Outfall	42.9051	-85.718358	Medium-High
WYC1566	ROYS CREEK	ROYS CREEK	Outfall	42.904979	-85.717753	Medium-High
WYC1601	ROYS CREEK	ROYS CREEK	Outfall	42.911761	-85.729586	Medium-High
WYC1604	ROYS CREEK	ROYS CREEK	Outfall	42.909107	-85.730742	Medium-High
WYC1640	ROYS CREEK	ROYS CREEK	Outfall	42.910018	-85.730642	Medium-High
WYC1641	ROYS CREEK	ROYS CREEK	Outfall	42.906652	-85.731094	Medium-High

WYC1641	ROYS CREEK	ROYS CREEK	Outfall	42.906652	-85.731094	Medium-High
WYC1642	ROYS CREEK	ROYS CREEK	Outfall	42.906459	-85.731284	Medium-High
WYC1643	ROYS CREEK	ROYS CREEK	Outfall	42.905261	-85.724874	Medium-High
WYC1646	ROYS CREEK	ROYS CREEK	Outfall	42.904422	-85.725736	Medium-High
WYC1648	ROYS CREEK	ROYS CREEK	Outfall	42.906467	-85.72912	Medium-High
WYC1649	ROYS CREEK	ROYS CREEK	Outfall	42.905633	-85.72876	Medium-High
WYC3015	RUSH CREEK EAST BRANCH	RUSH CREEK EAST BRANCH	Outfall	42.875877	-85.782058	Medium-High
WYC1242	UNNAMED CREEK	COLE DRAIN	Outfall	42.91495	-85.676115	Medium-High

Appendix 3

What is Storm Water Runoff?

When it rains, storm water flows over lawns, streets, and parking lots. Storm water runoff can carry dirt, fertilizers, and motor oil into storm drains, which are often located alongside streets and parking lots.

Where do Storm Drains Lead?

Storm drains lead directly to nearby rivers, streams, and lakes without any type of treatment.

How Can I Help?

- Report anyone dumping anything down a storm drain.
- Take used motor oil to a quick lube or auto shop.
- Dispose of pet waste in a trash can.
- Avoid fertilizing your lawn before it rains.
- Wash your car on your lawn or take it to a commercial car wash.

Grand River, Grand Haven Harbor

www.lowergrandriver.org

Postage

How to Report Water Pollution

Citizen Report Form

LOWER GRAND RIVER ORGANIZATION of WATERSHEDS

CITY OF yoming MICHIGAN

If you see anyone dumping anything into a storm drain, REPORT IT.

Any substance, trash, or debris dumped into a storm drain will travel to our streams and lakes, and eventually the Grand River. Motor vehicle fluids, paint, grass clippings, and restaurant wastes should be disposed of properly.

Violators can be fined.

The Illicit Discharge Ordinance provides legal authority to enforce fines for violations. To report dumping, please fill out this report and return it in one of four ways.

1. E-mail: avis@wyomingmi.gov
2. Fax: (616) 261-3590
3. Phone: (616) 261-3593
4. Mail
   Name: Aaron Vis
   Address: 2350 Ivanrest Ave
   Wyoming, MI 49418

Grass clippings blown into a storm drain

Date(s) pollution was observed:

_____

Location pollution was observed
(address, street, city or township):

_____

_____

Name of person(s) or company involved
(if known):

_____

_____

_____

Please describe the pollution
(include photographs if possible):

_____

_____

_____

_____

_____

_____

Please remember that all reports are investigated. Inspectors, however, are limited if a report is submitted anonymously as they cannot contact the submitter for more information.

If you would like to remain anonymous, it is highly recommended that you include photographs of the problem with your anonymous report.

Your contact information (optional):

Name: _____

Phone: _____

E-mail: _____

Address: _____

_____

Date this report was submitted:

_____

❒ Check here to receive a follow-up report.

Stormwater Complaint Form

Person receiving call: _____

Date: _____

Time :_____

Location of Complaint:_____

Caller Name: _____

Telephone Number: _____

E-mail Address: _____

Nature of Complaint:

Submit Form

Appendix 4

City of Wyoming Michigan

Clean Water Plant – Environmental Services
2350 Ivanrest Avenue, S.W. Wyoming, Michigan 49418-1197
Telephone: 616-261-3550 Fax: 616-261-3590

Web: www.wyomingmi.gov

MAYOR
Jack A. Poll

AT-LARGE COUNCILMEMBER
Sam Bolt

AT-LARGE COUNCILMEMBER
Dan Burrill

AT-LARGE COUNCILMEMBER
Kent Vanderwood

1ST WARD COUNCILMEMBER
William A. VerHulst

2ND WARD COUNCILMEMBER
Richard K. Pastoor

3RD WARD COUNCILMEMBER
Joanne M. Voorhees

CITY MANAGER
Curtis L. Holt

IDEP Inter-jurisdictional Cooperation

State and federal law requires regulated Municipal Separate Storm Sewer Systems (MS4s) to have effective programs to find and eliminate illicit discharges to their systems (Illicit Discharge Elimination Plan). In some cases one community's MS4 discharges into another community's MS4.

We, as Storm Water Program Managers for our communities, recognize this requirement. We agree to work cooperatively with other MS4 communities where an illicit discharge is suspected to originate across our jurisdictional boundaries.

By signing this agreement, our community commits to investigating dry-weather discharges that appear at outfalls. We accept responsibility for notifying upstream owners if an illicit discharge is found to enter our MS4, and commit to abating discharges that are found to be leaving our MS4. These activities will be conducted pursuant to the procedures and timelines identified in the IDEP.

Aaron D.S

NAME
Storm Water Program Manager for City of Wyoming

fiCsh

American Water Works Association MEMBER