

## 4. BAY REGION

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This chapter represents the activities to be performed by the MDOT Bay Region in fulfillment of the Permit requirements. Each region has its own chapter within this Storm Water Management Plan (SWMP) containing the required activities it will perform as described in the SWMP Activities (Section 3.7).

Included in this chapter is an outline of the proposed procedures described in the activities that will be incorporated into MDOT roadway projects, a map of the Bay Region facilities (Figure 4-1), contact and address information (Table 4-1), a table containing the activities the Bay Region will implement (Table 4-2), and the Phase II IDEP Investigation Maps for the Bay Region (Figures 4-2 through 4-5). Each SWMP activity is represented in Table 4-2 with a checkmark next to the applicable activities. Each activity is also indicated as a statewide or an urbanized area requirement per the Permit.

The facility map is included to indicate locations where pollution prevention measures are taken. Contact information is provided for the MDOT employees in managerial positions for each Region/Transportation Service Center (TSC). The Phase II IDEP Investigation Maps were developed as part of the Illicit Discharge Elimination Program (IDEP). The maps indicate MDOT roadways that cross impaired waterbodies within urbanized areas. Impaired waterbodies refer to those waterbodies listed on the MDEQ 2004 305(b) and 303(d) Impaired Waterbodies List.

Additionally, a CD-ROM containing outfall maps representing the location of each outfall investigated during the Phase I program is available upon request from MDOT. During the NPDES Phase I storm water program, approximately 366 MDOT outfalls were investigated throughout the six permitted cities as part of the IDEP. The six permitted cities included Ann Arbor, Grand Rapids, Flint, Sterling Heights, Warren, and Livonia, with Flint being the only permitted city within the Bay Region. MDOT conducted 96 outfall investigations within the City of Flint.

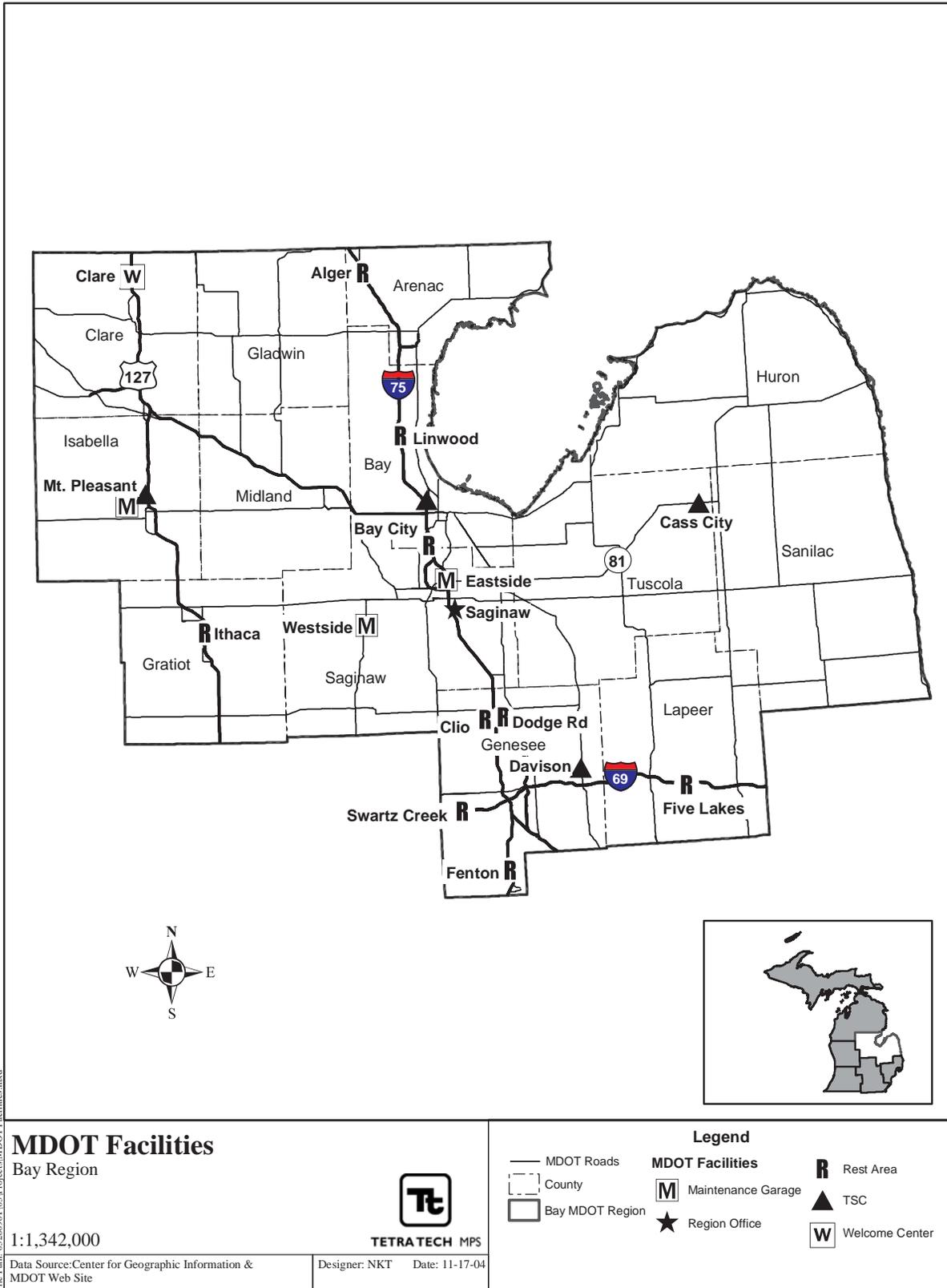
The following outline of proposed SWMP procedures shows the order in which individual activities, as described in Chapter 3, are followed within the scope of a typical MDOT roadway project. Once these procedures are developed, they will be incorporated into MDOT projects on a case-by-case basis depending on the scope and needs of the project.

1. Early coordination with MDEQ will be sought during the initial design of selected projects (MDEQ Early Coordination Workgroup).
2. Metropolitan Planning Organizations (MPO)s with storm water management plans or storm water master plans will be identified and worked with to assure plan obligations are met.
3. Post construction Best Management Practices (BMPs) will be selected based on MDOT BMP selection criteria with consideration given to MDEQ and MPO input to the maximum extent practicable. BMP selection will also be based on approved BMPs in the MDOT Drainage Manual and any Total Maximum Daily Load (TMDL) requirements (BMP Design and Maintenance Workgroup).

4. Maintenance requirements will be developed for new BMPs (BMP Design and Maintenance Workgroup).
5. Post-construction BMPs will be properly installed and maintained following BMP selection.
6. Construction activities will be conducted under MDOT's approved Soil Erosion and Sedimentation Control (SESC) Plan and the State of Michigan's Permit by Rule.
7. The outfall labeling procedure will be implemented if new outfalls are planned within urbanized areas. The consultant conducting outfall mapping will be notified that new outfalls are in place (Outfall Labeling Workgroup).
8. Existing known outfalls will be identified and mapped (Outfall Mapping Workgroup).
9. New flow control structures in urbanized areas will be reviewed and assessed for water quality benefits gained based on calculated pollutant removal rates.
10. SWMP activities will be tracked and documented. Examples include tracking the number of outfalls labeled and tracking maintenance activities through the Maintenance Activity Reporting System (MARS) (Program Assessment and Reporting Workgroup).

For specific roadway projects scheduled to be completed in the Bay Region, refer to MDOT's 2004-2008 Five Year Transportation Program. The 2004-2008 Five Year Transportation Program is a report highlighting Michigan's plan for preserving and improving its transportation network. The report describes the planned projects for each MDOT region. A link to the report is available on the MDOT Storm Water Management Web Site. The 2004-2008 Five Year Transportation Program is currently underway and will limit the ability to implement new procedures not yet adopted by MDOT. Therefore, new procedures will be incorporated as they are adopted.

Figure 4-1 Bay Region Facilities Map



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**MDOT Facilities**  
Bay Region



TETRATECH MPS

1:1,342,000

Data Source: Center for Geographic Information & MDOT Web Site

Designer: NKT Date: 11-17-04

**Legend**

MDOT Roads	<b>MDOT Facilities</b>	Rest Area
County	Maintenance Garage	TSC
Bay MDOT Region	Region Office	Welcome Center

**Table 4-1 Bay Region Contact Information**

<p><b>Bay Region Office</b>  Region Engineer: Terry Anderson  Region Storm Water Coordinator: Cary Rouse</p>	<p>55 E. Morley Dr.  Saginaw, MI 48601  Phone: 989-754-7443  FAX: 989-754-8122</p>
<p><b>Bay City TSC</b>  Manager: Bob Ranck, Jr.  2590 E. Wilder Rd.  Bay City, MI 48706</p>	<p>Phone: 989-671-1555  FAX: 989-671-1530</p>
<p><b>Cass City TSC</b>  Manager: Doug Wilson  6867 E. Cass City Rd.  Cass City, MI 48726</p>	<p>Phone: 989-872-3007  FAX: 989-872-4464</p>
<p><b>Davison TSC</b>  Manager: Mike Hemmingsen  9495 E. Potter Road  Davison, MI 48423</p>	<p>Phone: 810-653-7470  FAX: 810-653-1248</p>
<p><b>Mt. Pleasant TSC</b>  Manager: Terry Stepanski  1212 Corporate Drive  Mt. Pleasant, MI 48858</p>	<p>Phone: 989-773-7756  FAX: 989-775-6329</p>
<p><b>Bay City Rest Area 605</b>  I-75 SB, Mile Marker 158</p>	<p>Bay County</p>
<p><b>Clio Rest Area 612</b>  I-75 SB, Mile Marker 130</p>	<p>Genesee County  South bound on I-75, 2 miles south of  Exit 131</p>
<p><b>Fenton Rest Area 624</b>  US-23 NB, Mile Marker 81</p>	<p>Genesee County</p>
<p><b>Alger Rest Area 625</b>  I-75 SB, Mile Marker 202</p>	<p>Arenac County</p>
<p><b>Linwood Rest Area 626</b>  I-75 NB, Mile Marker 175</p>	<p>Bay County</p>
<p><b>Swartz Creek Rest Area 628</b>  I-69 EB, Mile Marker 126</p>	<p>Genesee County  East bound on I-69, 1.5 miles west of  Swartz Creek Exit</p>
<p><b>Five Lakes Rest Area 629</b>  I-69 EB, Mile Marker 161</p>	<p>Lapeer County</p>
<p><b>Dodge Road Rest Area 631</b>  I-75 NB, Mile Marker 129</p>	<p>Genesee County</p>
<p><b>Ithaca Rest Area 632</b>  US-127 NB</p>	<p>Gratiot County  North bound on US-127, 3 miles north  of Ithaca</p>
<p><b>Clare Welcome Center 634</b>  US-27 NB SB, Mile Marker 177</p>	<p>Clare County</p>

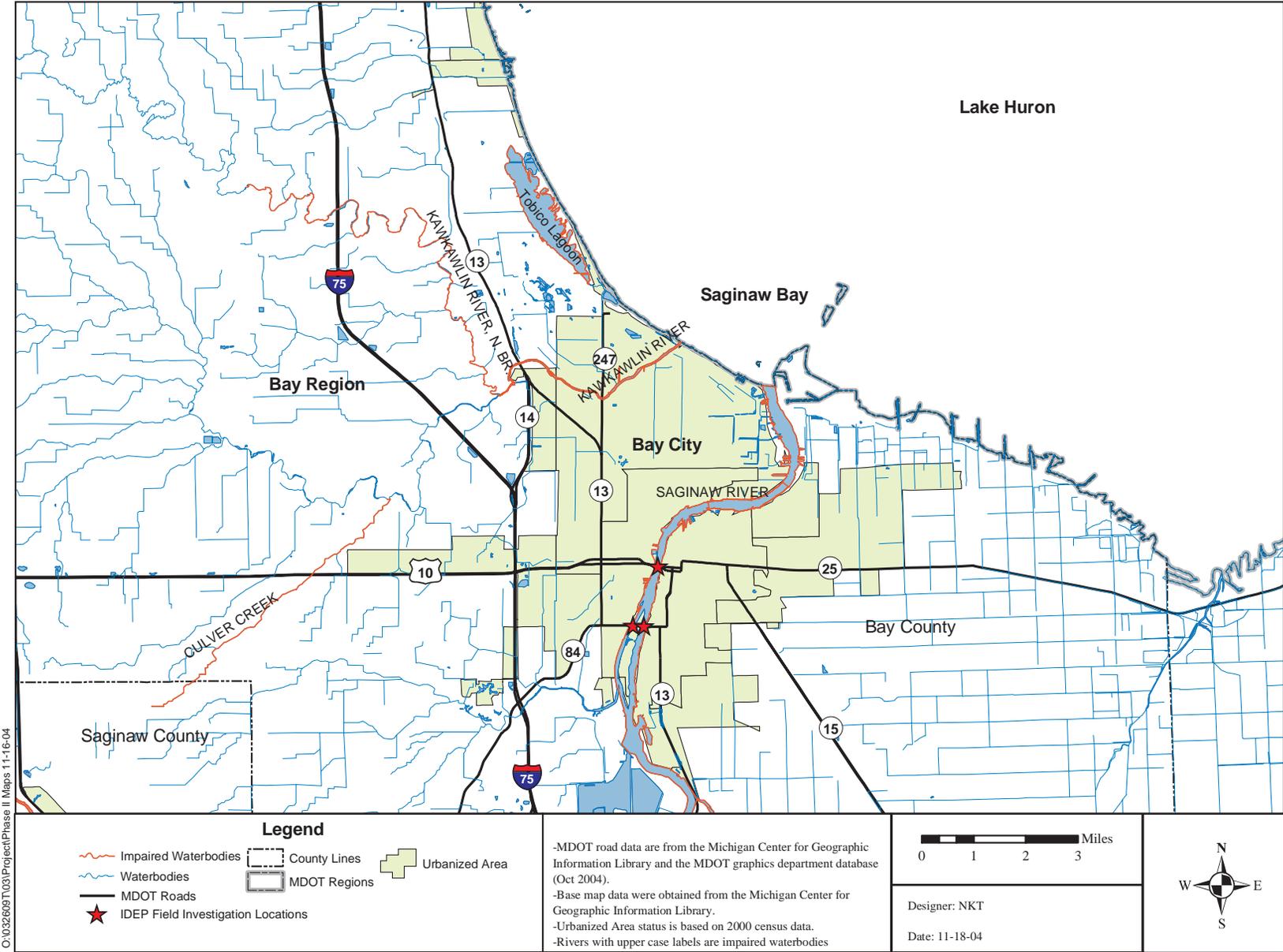
**Table 4-2 Bay Region Activity Requirements**

Activity #	Statewide (S) or Urbanized Area (UA)	Implemented in this Region
E-1: Maintain and Use Lansing Information Center	S*	√
E-2: Publish Articles in MDOT Publications	S*	
E-3: Provide Information on Watershed Stewardship on the MDOT Public Web site	S*	
E-4: Provide Education Materials Along with Tap-in/Discharge Permit Applications	S	√
E-5: Notify and Invite Public to Review and Comment on the Storm Water Management Plan (SWMP)	S*	√
E-6: Determine Partnership Potential with MDEQ Statewide Public Education Program	S*	
T-1: Present Applicable Training Modules to Lansing & Region/TSC Staff	S	√
T-2: Certify MDOT's Staff for Pesticide/Fertilizer Application	S*	√
T-3: Train Staff Responsible for Administering Part 91 and those having Decision Making Authority for SESC Development or Review, Inspections, or Enforcement; and Storm Water Operators as Required under Part 31	S*	√
T-4: Survey MDOT Staff on Storm Water Knowledge	S*	√
I-1: Submit and Implement Mapping Schedule for Outfalls	UA*	√
I-2: Perform Inventory and Screening on Outfalls	UA*	√
I-3: Procedure for Receiving and Notifying MDEQ of Illicit Discharges and Actions Taken	S	√
I-4: Report Updates and Changes to Legal Authority Status	S*	
I-5: Map Known Outfalls (statewide)	S*	√
C-1: Maintenance Requirements for MDOT BMPs	S	√
C-2: Identify and Coordinate with MPOs Having a SWMP	S	√
C-3: Procedure to Select and Apply Best Management Practices (BMP)s for Storm Water Management Activities (Post-Const.)	S	√
C-4: Procedure to Work with MDEQ for Early Coordination on Initial Design Projects	S*	√
C-5: Review Projects with Storm Water Discharges to Water Bodies with a Promulgated Total Maximum Daily Load	S*	√
C-6: Implement Procedures to Select and Apply Best Management Practices for Storm Water Management Activities (Post-Const.)	S	√
C-7: Internal Quality Assurance/Quality Control (QA/QC) Protocol for Construction Storm Water Control	S*	√
C-8: Periodically Update Drainage Manual	S*	
C-9: Documentation and Tracking of Road Maintenance Activities	S	√
C-10: Procedure for Outfall Labeling	UA*	√
C-11: Review Flow Control Structures	UA	√
C-12: Audit the Pollution Incident Prevention Plan (PIPP) Requirements	S	√
A-1: Program Assessment and Reporting	S	√

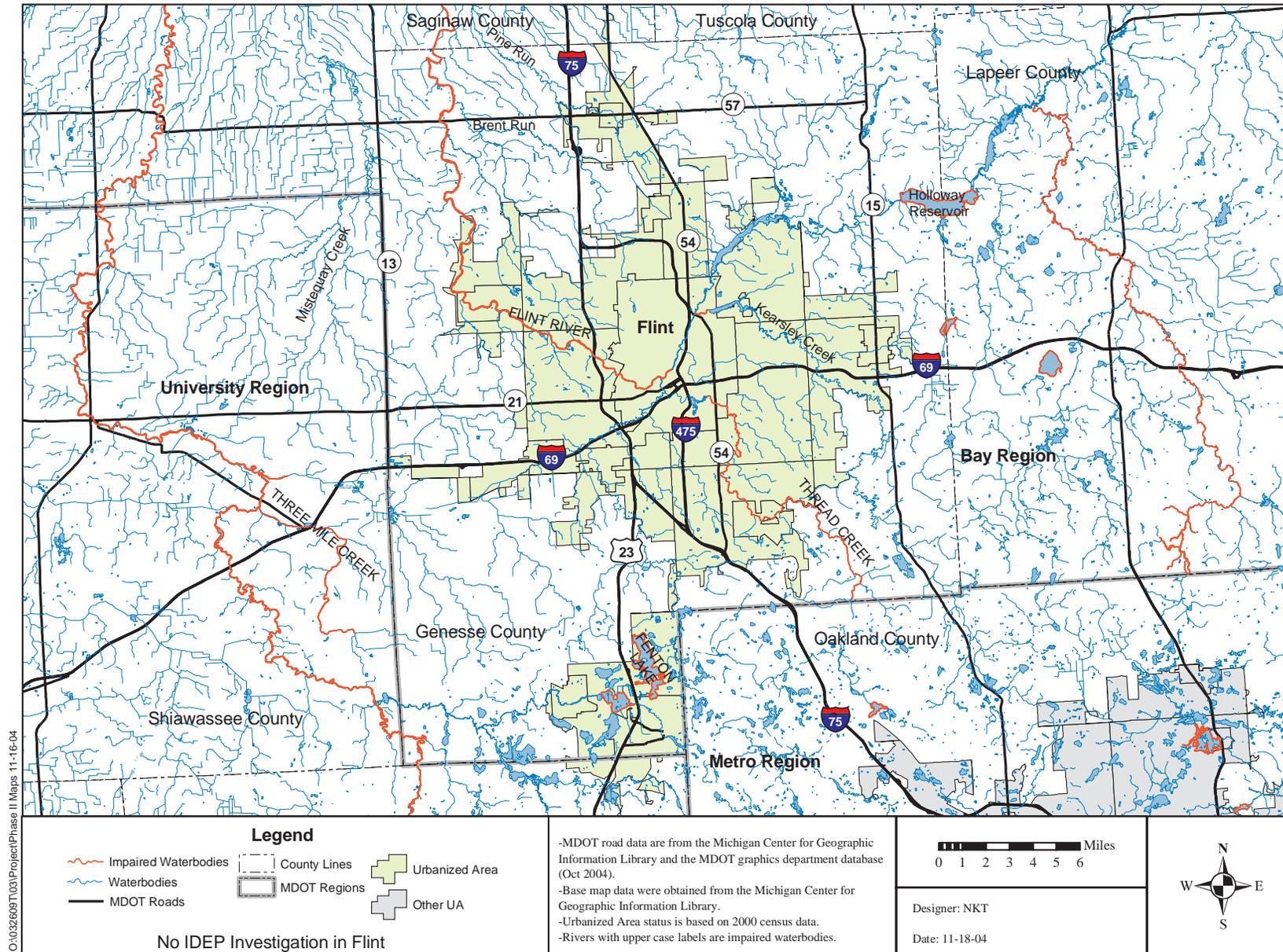
\* Indicates initial activity implementation is performed by others but Region will be affected.

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**Figure 4-2 Bay City Urbanized Area IDEP Investigation Locations**



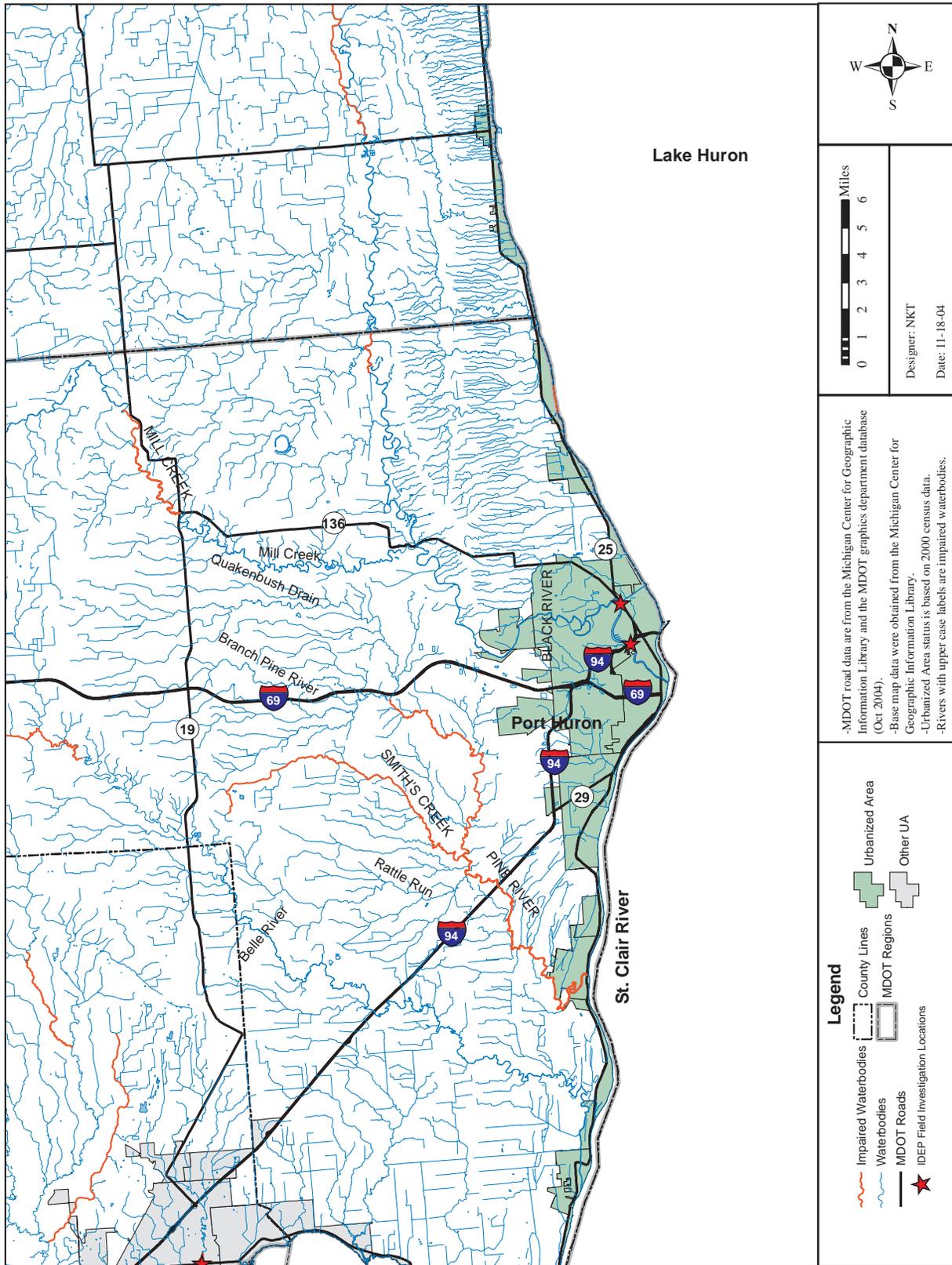
**Figure 4-3 Flint Urbanized Area IDEP Investigation Locations**



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No IDEP Investigation in Flint

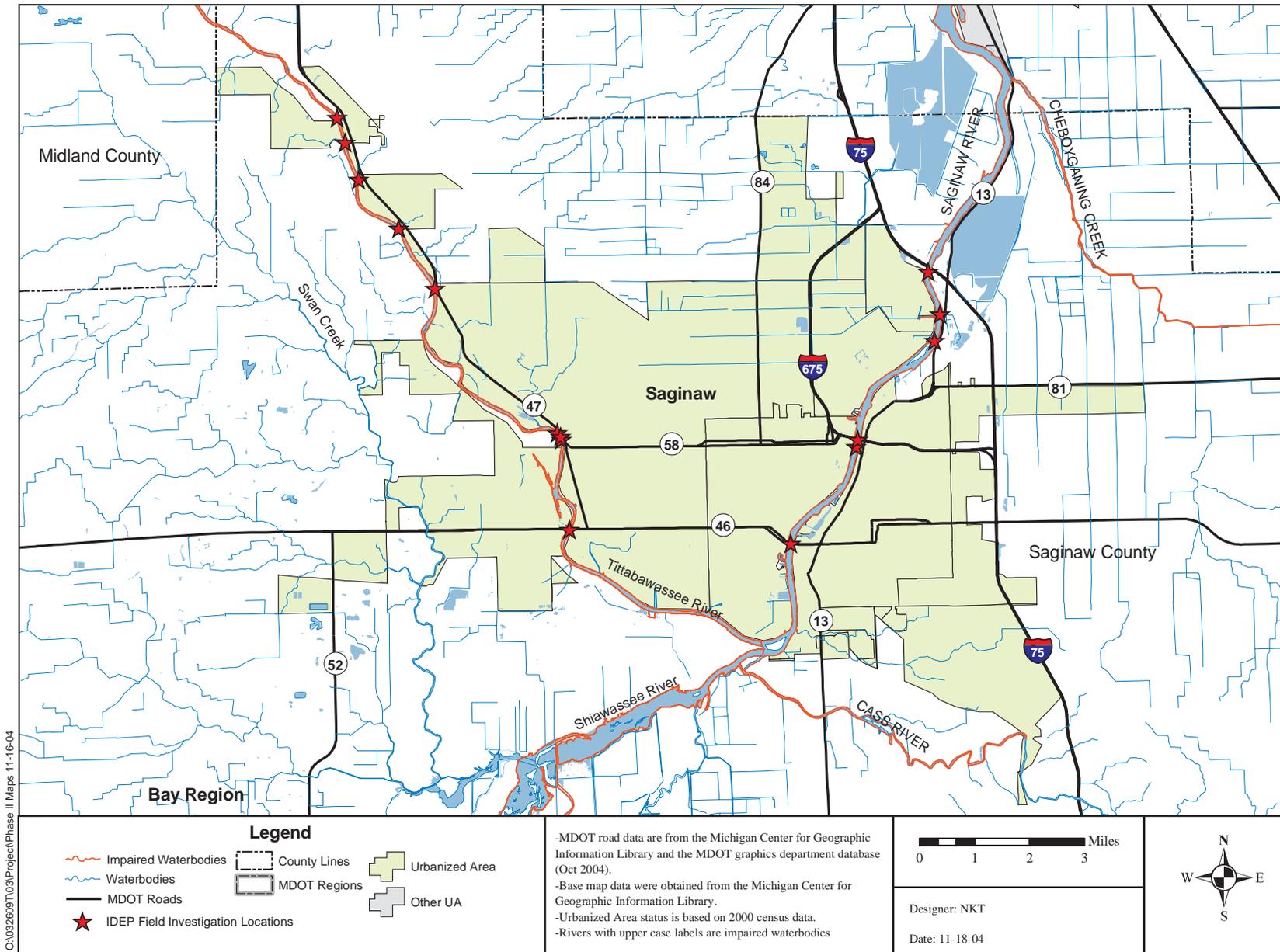
**Figure 4-4 Port Huron Urbanized Area IDEP Investigation Locations**



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**Figure 4-5 Saginaw Urbanized Area IDEP Investigation Locations**



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