

10. UNIVERSITY REGION

This chapter represents the activities to be performed by the MDOT University 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 University Region facilities (Figure 10-1), contact and address information (Table 10-1), a table containing the activities the University Region will implement (Table 10-2), and the Phase II IDEP Investigation Maps for the University Region (Figures 10-2 through 10-8). Each SWMP activity is represented in Table 10-2 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 on 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 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 Ann Arbor being the only permitted city within the University Region. MDOT conducted 45 outfall investigations within the City of Ann Arbor.

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.

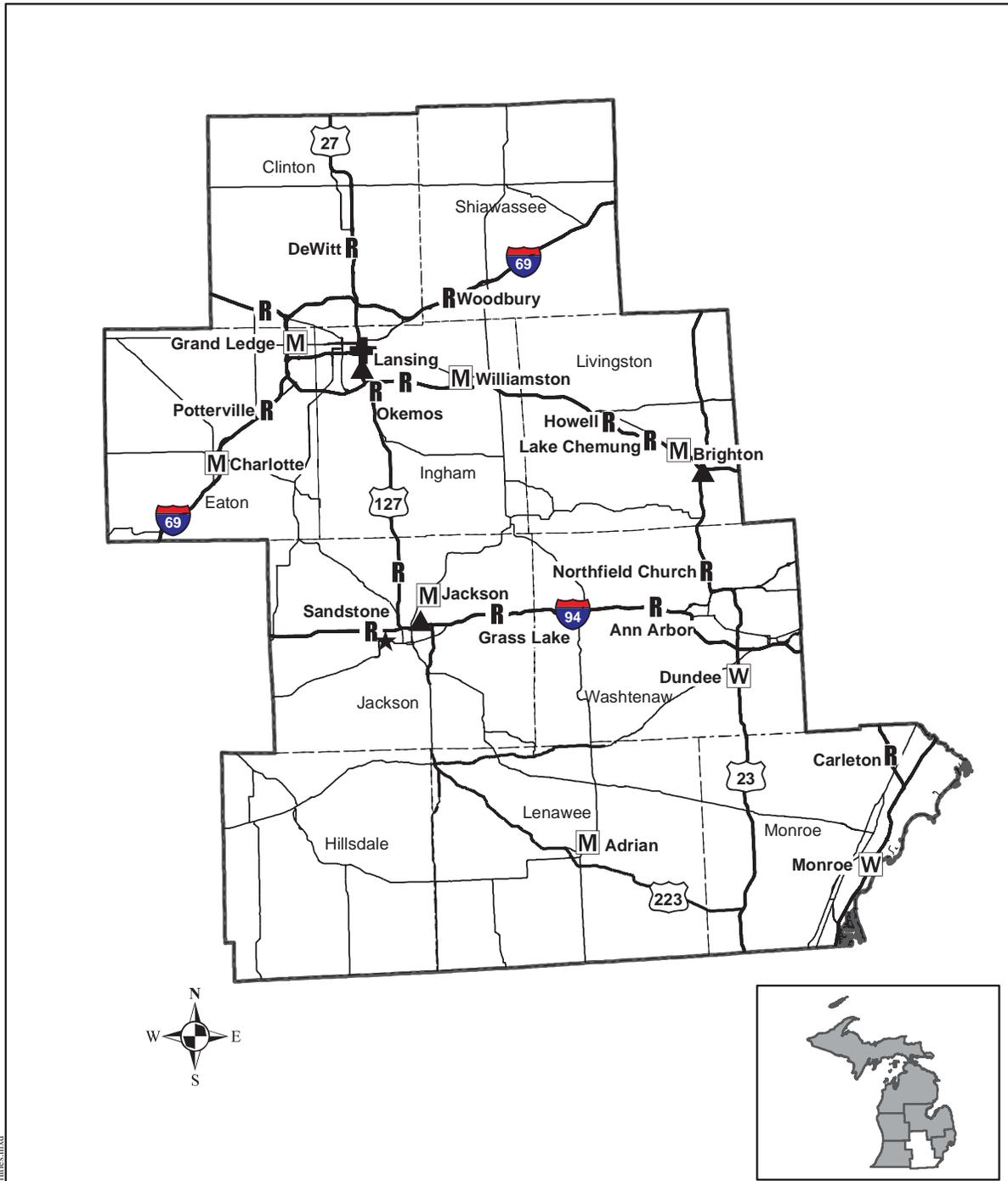
1. Early coordination with MDEQ will be sought during the initial design of selected projects (MDEQ Early Coordination Workgroup).
2. Metropolitan Planning Organizations (MPO)s with storm water management plans or storm water master plans will be identified and worked with to assure plan obligations 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 University 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 10-1 University Region Facilities Map



MDOT Facilities
University Region

1:1,100,000

Data Source: Center of Geographic Information & MDOT Web Site



TETRA TECH MPS

Designer: NKT Date: 11-17-04

Legend

- | | | |
|---------------------|------------------------|-----------------|
| — MDOT Roads | MDOT Facilities | ★ Region Office |
| - - - County | ⊕ Headquarters | R Rest Area |
| □ University Region | M Maintenance Garage | ▲ TSC |
| | W Welcome Center | |

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Table 10-1 University Region Contact Information

<p>University Region Office Region Engineer: Mark Chaput Region Storm Water Coordinator: Bob Batt</p>	<p>4701 W. Michigan Ave Jackson, MI 49201 Phone: 517-750-0401 FAX:517-750-4397</p>
<p>Brighton TSC Manager: Steve Bower 10321 E. Grand River, STE. 500 Brighton, MI 48116</p>	<p>Phone: 810-227-4681 FAX: 810-227-7929</p>
<p>Jackson TSC Manager: Dee Parker 2750 N. Elm Rd. Jackson, MI 49201-6802</p>	<p>Phone: 517-780-7540 FAX: 517-780-5454</p>
<p>Lansing TSC Manager: Paul Steinman 1019 Trowbridge Road E. Lansing, MI 48823</p>	<p>Phone: 517-324-2260 FAX: 517-324-0294</p>
<p>Tecumseh Construction Office Manager: Hal Zweng</p>	<p>Phone: 517-423-4858 FAX: 517-423-6014</p>
<p>Lansing Rest Area 810 US-127 NB</p>	<p>Ingham County North bound on US-127, 1 mile south of I-96 and US- 127 interchange.</p>
<p>Okemos Rest Area 811 I-96 WB, Mile Marker 111</p>	<p>Ingham County West bound on I-96, 1 mile east of Okemos Road Exit.</p>
<p>Howell Rest Area 812 I-96 EB, Mile Marker 135</p>	<p>Livingston County East bound on I-96, 2 miles east of Exit 133.</p>
<p>Lake Chemung Rest Area 813 I-96 WB, Mile Marker 141</p>	<p>Livingston County</p>
<p>Northfield Church Rest Area 814 US-23 SB, Mile Marker 48</p>	<p>Washtenaw County South bound on US-23, 2 miles south of Exit 49.</p>
<p>Ann Arbor Rest Area 817 I-94 EB, Mile Marker 168</p>	<p>Washtenaw County East bound on I-94, 0.5 mile east of Baker Road Exit.</p>
<p>Grass Lake Rest Area 818 I-94 WB, Mile Marker 149</p>	<p>Jackson County West bound on I-94, 0.5 mile west of Exit 150.</p>
<p>Sandstone Rest Area 819 I-94 EB, Mile Marker 135</p>	<p>Jackson County East bound on I-94, 1 mile west of Exit 136.</p>

Jackson Rest Area 820 US-127 SB	Jackson County South bound on US-127, 1 mile south of Berry Road Exit.
Dundee Welcome Center 822 US-23 NB, Mile Marker 7	Monroe County North bound on US-23, 1.5 miles south of Exit 9.
Monroe Welcome Center 823 I-75 NB, Mile Marker 10	Monroe County
Grand Ledge Rest Area 825 I-96 EB, Mile Marker 87	Clinton County East bound on I-96, 1 mile east of Exit 86, Grand Ledge Exit.
Carleton Rest Area 826 I-275 SB, Mile Marker 5	Monroe County
Potterville Rest Area 829 I-69 NB, Mile Marker 68	Eaton County North bound on I-69, 1 mile north of Exit 66, Potterville.
Woodbury Rest Area 830 I-69 WB, Mile Marker 101	Shiawassee County West bound on I-69, 3 miles east of Exit 98.
DeWitt Rest Area 831 US-27 SB	Clinton County

Table 10-2 University 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.

Figure 10-2 Ann Arbor Urbanized Area IDEP Investigation Locations

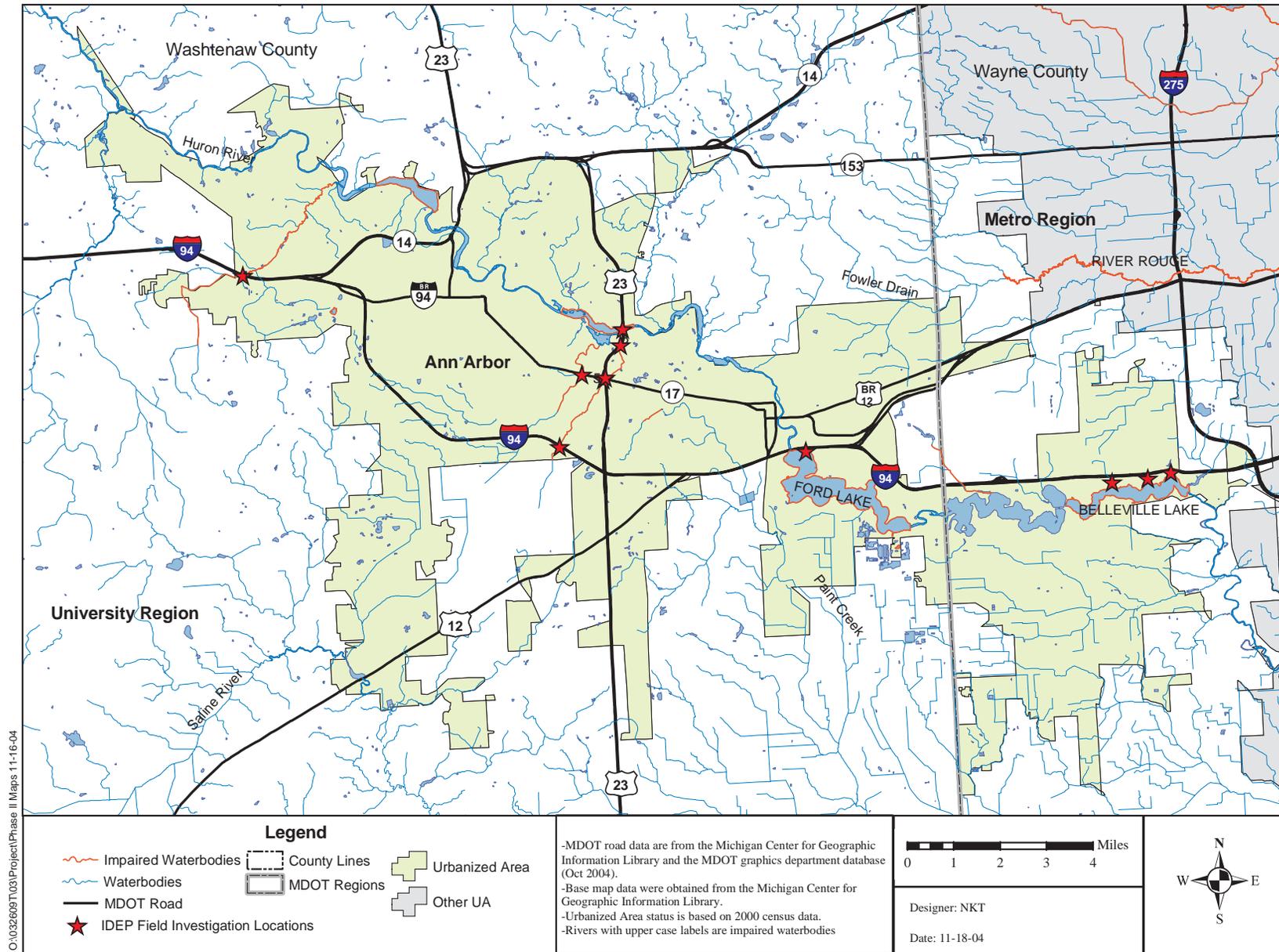
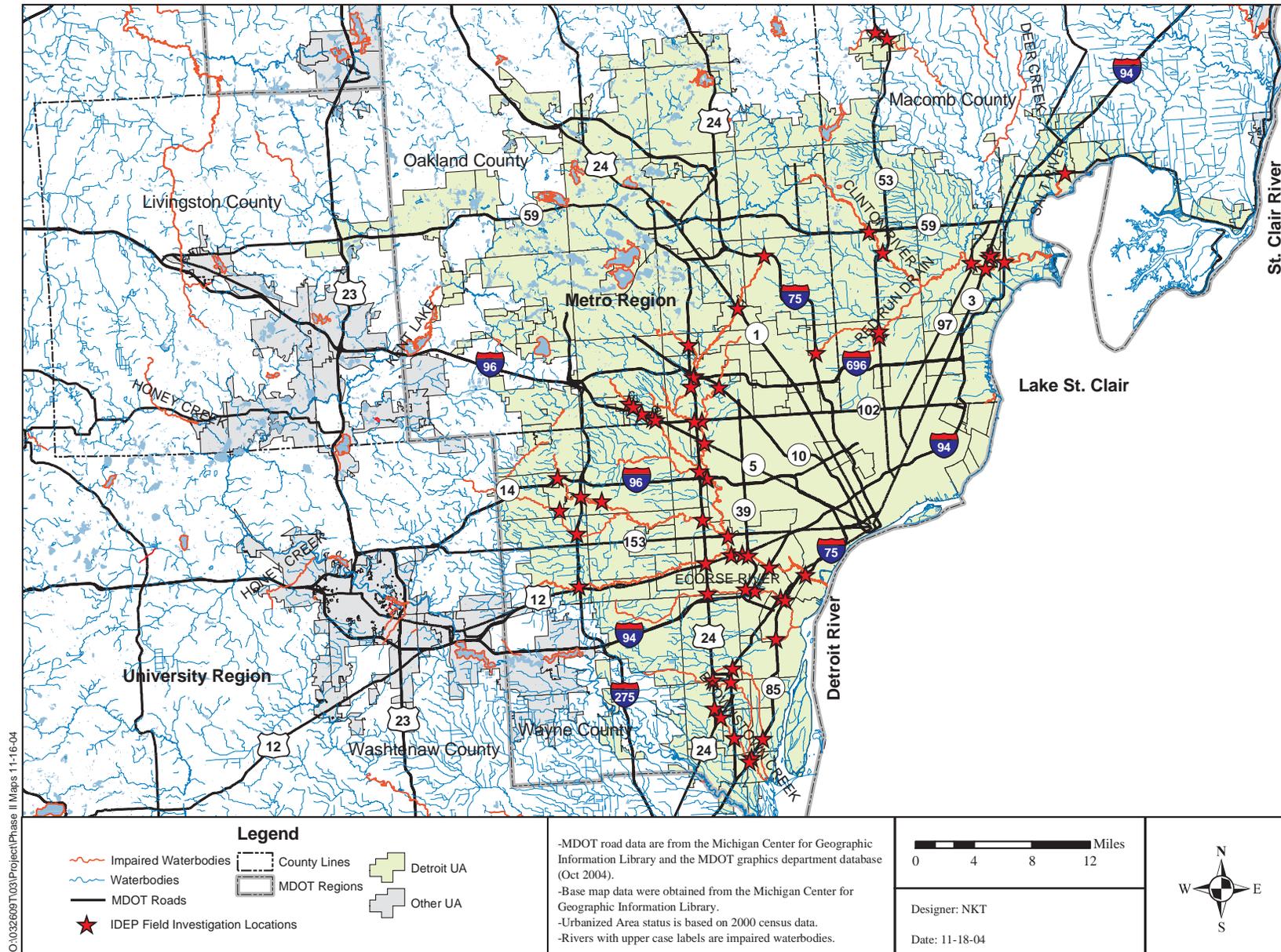
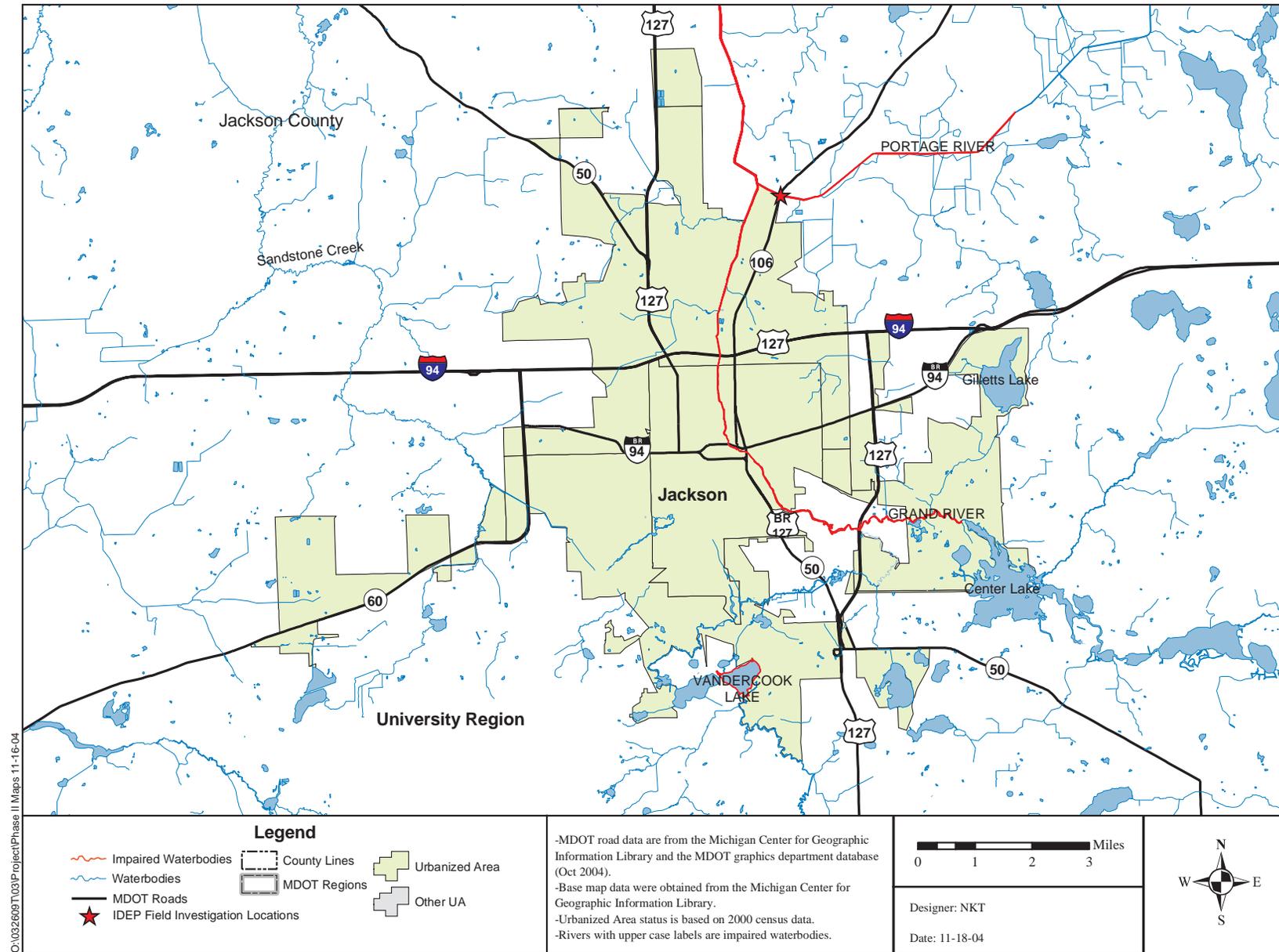


Figure 10-3 Detroit Urbanized Area IDEP Investigation Locations



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Figure 10-4 Jackson Urbanized Area IDEP Investigation Locations



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Figure 10-5 Lansing Urbanized Area IDEP Investigation Locations

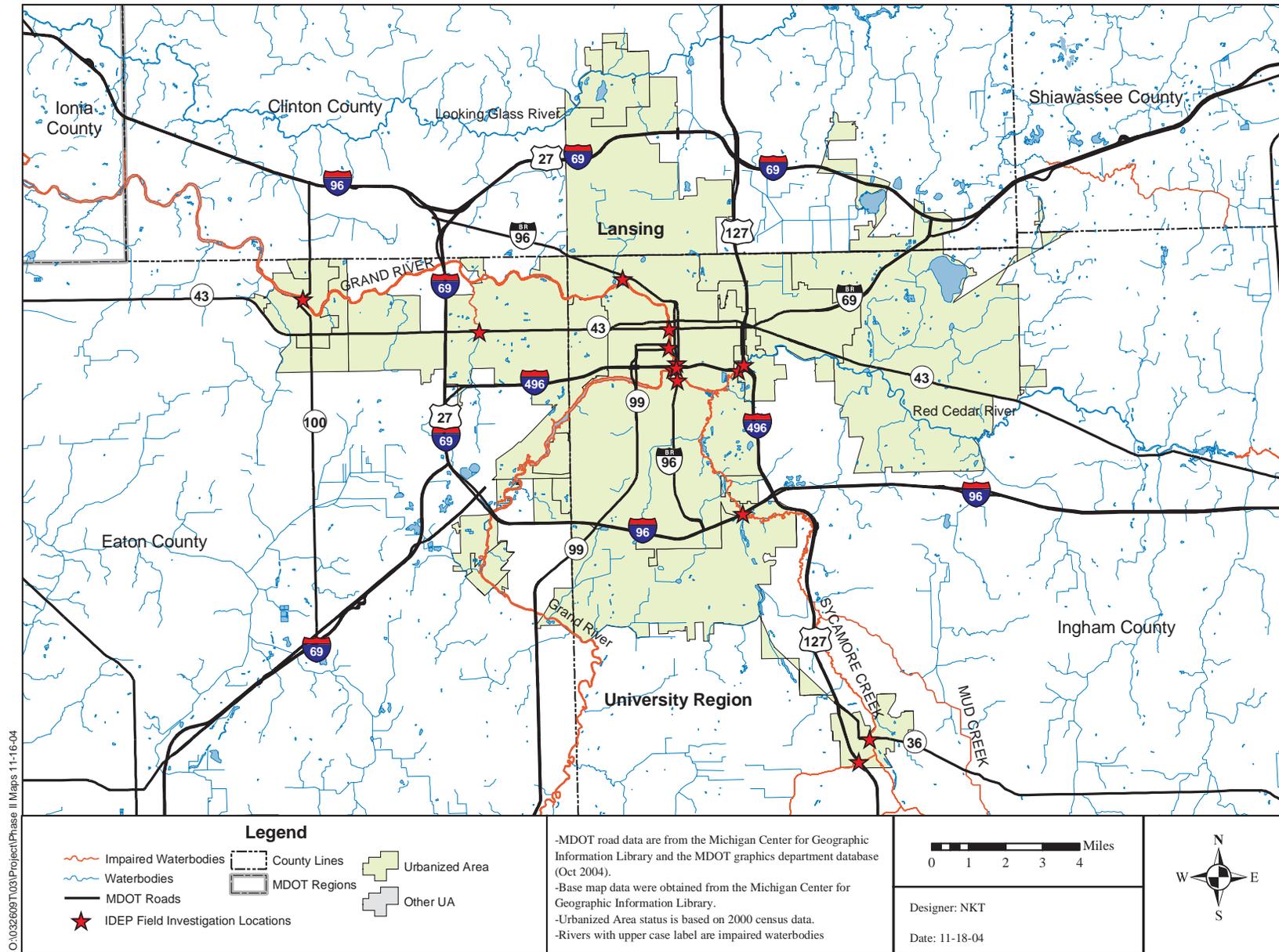
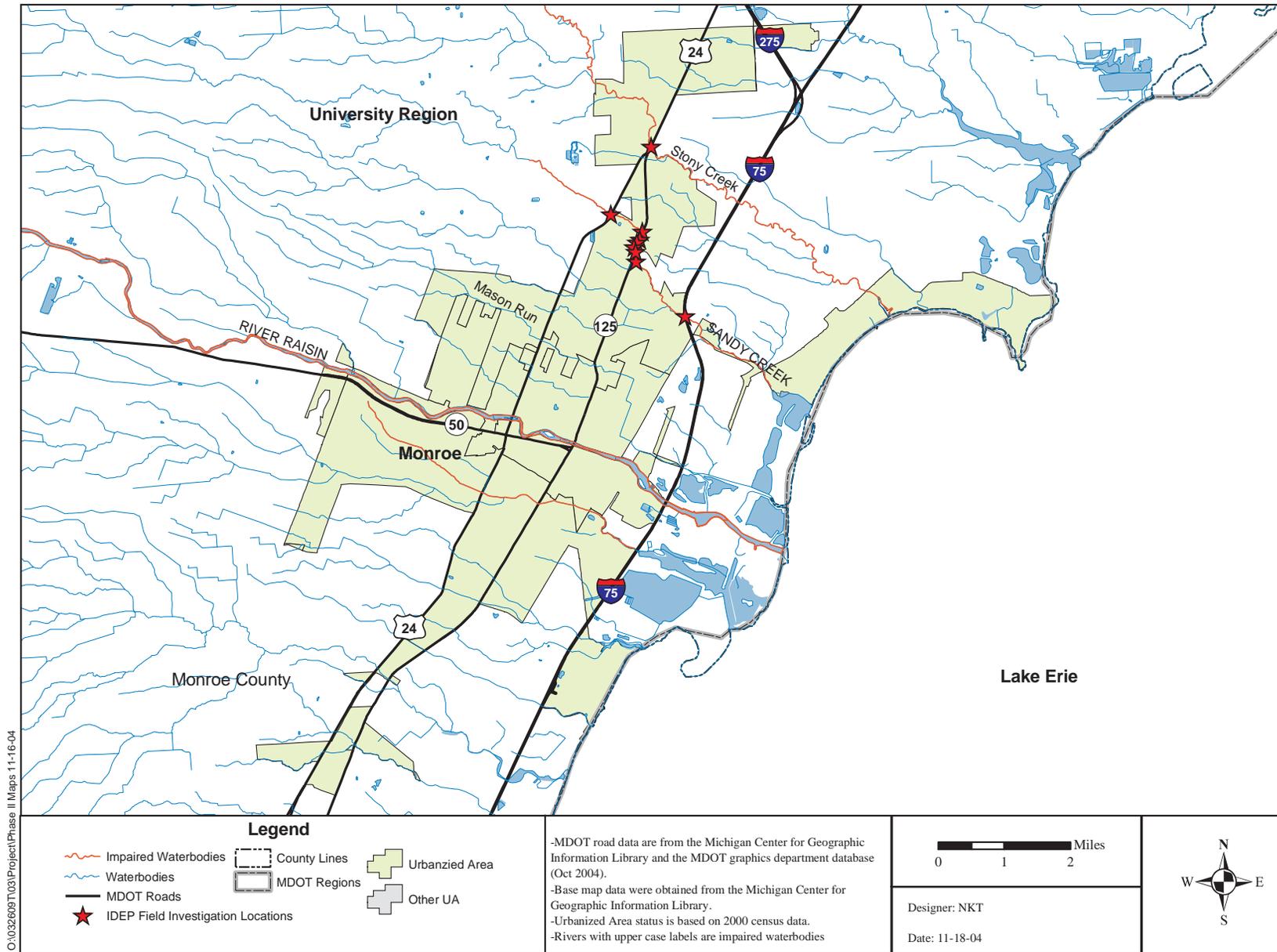
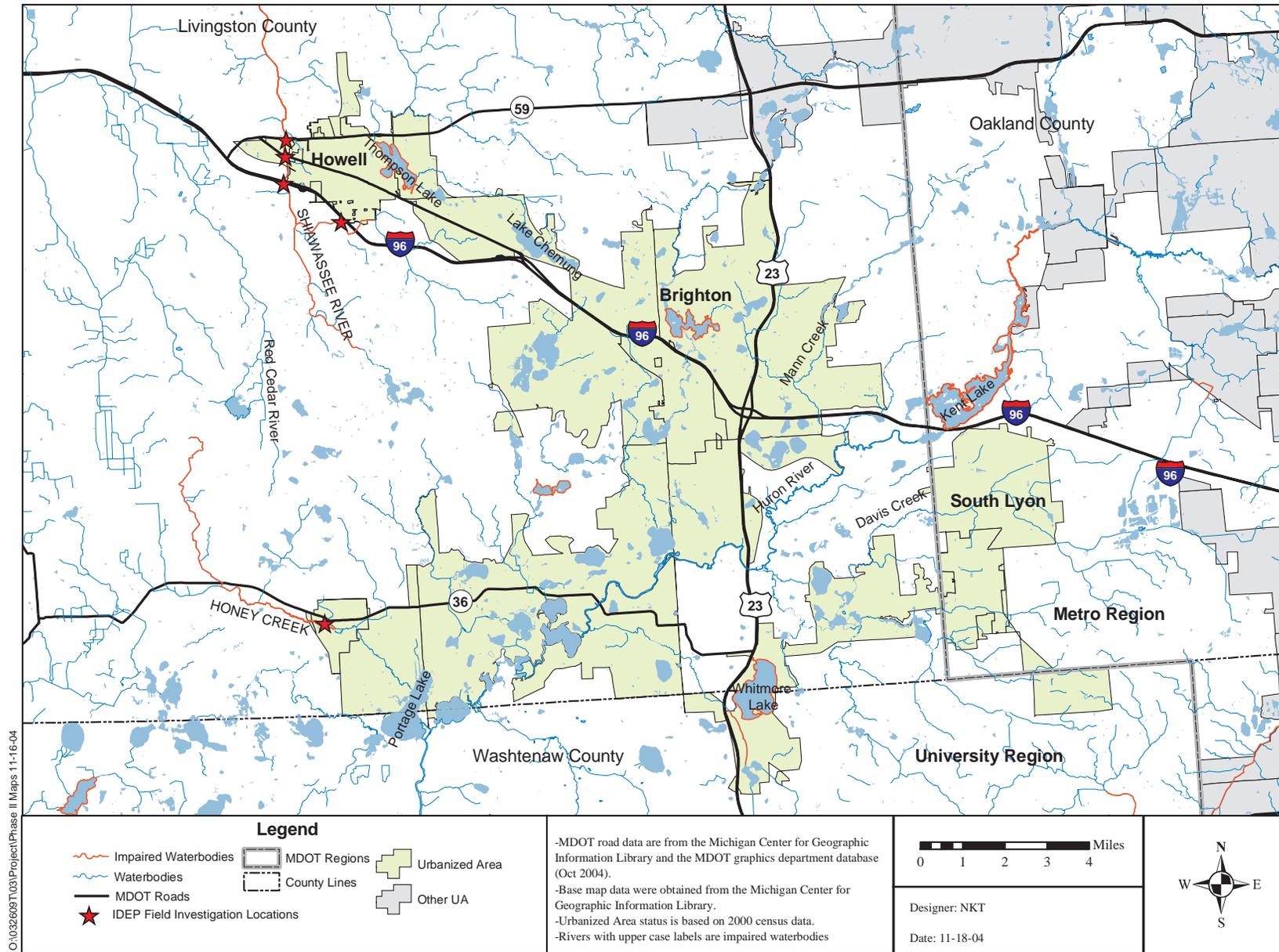


Figure 10-6 Monroe Urbanized Area IDEP Investigation Locations



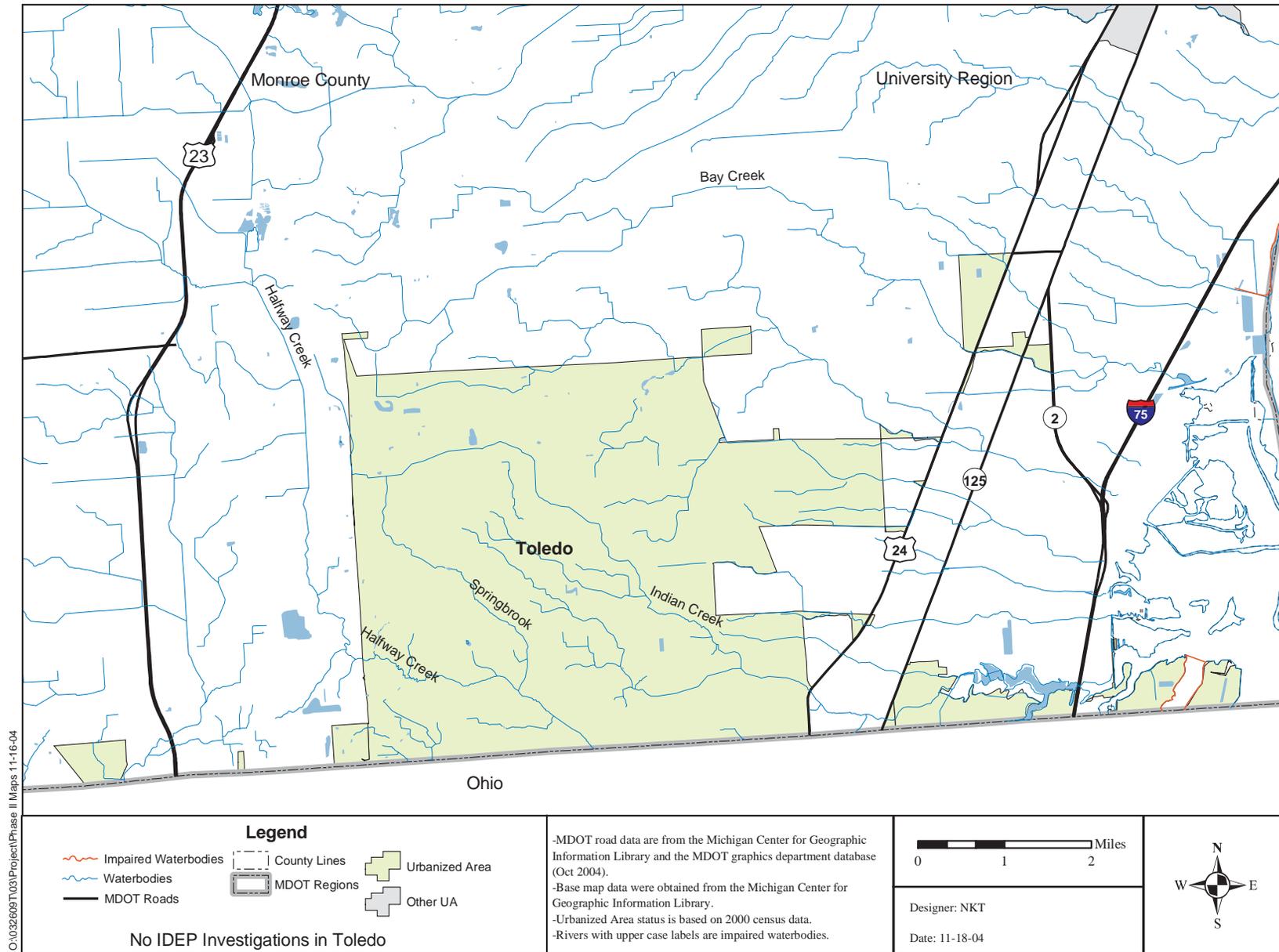
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Figure 10-7 South Lyon Howell-Brighton Urbanized Area IDEP Investigation Locations



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Figure 10-8 Toledo Urbanized Area IDEP Investigation Locations



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