

# Greater Lansing Regional Committee for Stormwater Management

## Public Education Plan

FOR CLINTON COUNTY ROAD COMMISSION



JANUARY 17, 2019

## TABLE OF CONTENTS

INTRODUCTION.....	1
A. PUBLIC PARTICIPATION PROCEDURE – GLRC WEBSITE .....	1
B. EVALUATION AND PRIORITIZATION PROCEDURES .....	2
C. REQUIRED TOPIC AREAS.....	3
D. PUBLIC EDUCATION PLAN IMPLEMENTATION .....	4
(A) Promote public responsibility and stewardship in the applicant’s watershed(s). .....	4
(B) Inform and educate the public about the connection of the MS4 to area waterbodies and the potential impacts discharges could have on surface waters of the state.....	7
(C) Educate the public on illicit discharges and promote public reporting of illicit discharges and improper disposal of materials into the MS4. ....	8
(D) Promote preferred cleaning materials and procedures for car, pavement, and power washing. ....	8
(E) Inform and educate the public on proper application and disposal of pesticides, herbicides, and fertilizers. ....	8
(F) Promote proper disposal practices for grass clippings, leaf litter, and animal wastes that may enter into the MS4.....	8
(G) Identify and promote the availability, location, and requirements of facilities for collection or disposal of household hazardous waste, travel trailer sanitary wastes, chemicals, yard wastes, and motor vehicle fluids.....	9
(H) Inform and educate the public on proper septic system care and maintenance, and how to recognize system failure. ....	10
(I) Educate the public on, and promote the benefits of, green infrastructure and Low Impact Development. ....	10
(J) Identify and educate commercial, industrial, and institutional entities likely to contribute pollutants to stormwater runoff.....	11

## INTRODUCTION

The Public Education Plan (PEP) is being prepared for the communities of the Greater Lansing Regional Committee for Stormwater Management (GLRC) to comply with the National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Permit requirements. This creates a concise document for members and the PEP Committee to work from throughout the permit cycle (2018-2023).

The original PEP was completed in 2003, updated in 2006, 2010, and 2013, and this current version of the PEP will be submitted to the Michigan Department of Environmental Quality (MDEQ) in the summer of 2018. The PEP was written for all GLRC members to guide the development and implementation of strategies aimed at educating the public on a regional and watershed level. However, each permittee will take their specific watershed and community characteristics into consideration throughout PEP implementation. Where applicable, each member has included their specific individual efforts throughout the PEP.

GLRC members participating in the PEP are as follows:

City of DeWitt	Lansing School District
City of East Lansing	Meridian Township
City of Grand Ledge	Clinton County Road Commission
City of Lansing	Clinton County
City of Mason	Eaton County
Delhi Charter Township	Ingham County
Delta Charter Township	Michigan State University
DeWitt Charter Township	Waverly Community Schools
Lansing Charter Township	

### **A. PUBLIC PARTICIPATION PROCEDURE – GLRC WEBSITE/SOCIAL MEDIA**

As required, the Clinton County Road Commission commits to keeping their Stormwater Management Plan (SWMP) current and publicly available on their community website. Local public notice requirements will be met as appropriate, and both the SWMP and contact information will be provided to encourage public review. The public will be invited to participate in the implementation and periodic review of the SWMP, which will be accomplished through each community website and the GLRC website. When the progress reports are submitted to MDEQ, they will be posted on the GLRC and community websites. This will update the public and invite them to participate or provide input related to the implementation of the SWMP if they choose to.

In addition, the PEP, progress reports and other appropriate supporting documents will be posted on the GLRC website. The GLRC website serves as one of our strongest tools for information sharing with the public. All GLRC documents (template manuals, progress reports, implementation materials, brochures, quarterly newsletters, annual reports, etc.) are available on the GLRC website. The GLRC maintains a calendar that announces public meeting information, workshops, trainings and events.

The GLRC also recognizes the importance of social media. Our existing Facebook and Twitter accounts help us to reach out to different demographics and reach larger audiences. By purchasing Facebook's "boosted posts", the GLRC can geographically target the audiences within the urbanized zone and ensure consistent messaging to the residents of all GLRC jurisdictions. The GLRC will continue to annually support the purchase of paid posts from the GLRC Facebook account and track the results using social media analytics. Social media has proven to be an effective tool for outreach communication, and the responsibility of creating and sharing content related to the Required Topic Areas is the GLRC Coordinator's, indicated by the "social media" Delivery Mechanism in Section D.

## **B. EVALUATION AND PRIORITIZATION PROCEDURES**

The GLRC conducted a water quality survey of residents during the fall of 2006. The purpose of the survey was to provide a benchmark to gauge the effectiveness of regional and local public outreach campaigns on water quality issues in the Greater Lansing Region. The survey results provided a baseline for evaluating the effectiveness of regional and local water quality initiatives over time. These results have been used by the GLRC and other organizations in the region to prioritize and implement public education programs through the most effective and efficient methods possible.

The 2006 survey results can be found here:

[Greater Lansing Regional Water Quality Survey Findings Report 2006](#)

Since a baseline for evaluating the effectiveness of current (and past) water quality initiatives was completed in 2006, the GLRC committed to conducting the survey again in 2012 to identify successes related to the ongoing public education efforts and areas for improvement. The 2012 survey was conducted in the exact same manner as the 2006 survey; both statistically valid surveys ensure the GLRC is effective and efficient in our public education efforts.

The 2012 survey results can be found here:

[Greater Lansing Regional Water Quality Survey Findings Report 2012 \(with comparison data\)](#)

The GLRC PEP Committee conducted another follow up survey in 2018. The survey was conducted in the same manner as the 2006 and 2012 surveys, and will be used to evaluate successes, challenges and to determine the overall effectiveness of the PEP. The PEP Committee will also explore the following options for assessing PEP effectiveness in the new permit cycle: a duplicate of the previous surveys (conducted either in-house or contracted out); the utilization of an online survey; conducting focus groups; or conducting targeted interviews of individuals in the region. This will be completed by the end of the permit cycle, scheduled for October 2023.

During the Progress Report submittal, general evaluation and effectiveness will be discussed and changes could be made based on initial results, as adaptive management is an important part of public education. Evaluation mechanisms are essential to gauge implementation status and assess the effectiveness of the overall program. Identification of quantifiable measures provides both measurability and accountability within the program.

The PEP Committee meets frequently to discuss progress of ongoing activities, review current priorities, track measurable goals and to explore new educational opportunities based on the survey results. The PEP Committee has completed the prioritization at the GLRC level and categorized topics areas as: high, medium and low. The PEP Committee met and reviewed the survey results in detail to determine the priority topic areas. Many factors were considered in this process including the survey results, available

resources, cost effective outreach methods, existing public knowledge levels and collaborating with other programs currently underway. Examples of High priority topics areas are: **B.** Inform and educate the public about the connection of the MS4 to area waterbodies and potential impacts discharges have on surface waters; **C.** Educate the public on illicit discharges and promote public reporting of illicit discharges and improper disposal of materials into the MS4; **I.** Educate the public on, and promote the benefits of, green infrastructures and low impact development. The GLRC will report on the measurable goals achieved during the regular Progress Report submissions.

The GLRC also continues to work with several partners in the larger surrounding area to accomplish a variety of public education efforts. In 2013-2014, the Middle Grand River Organization of Watersheds (MGROW) developed “Pollution Isn’t Pretty”, a regional public education campaign to provide educational resources for smaller watershed groups (including the GLRC, friends groups, Middle Grand River Watershed Management Planning Project (319) and the Red Cedar River Watershed Management Planning Project (319)). The GLRC continues to utilize Pollution Isn’t Pretty materials and work with MGROW, conservation districts, and local watershed groups to develop consistent, meaningful public education messages and delivery mechanisms that will benefit the entire region. This effort has and will continue to incorporate the GLRC survey results and several other survey results in the region. The GLRC is confident that our collaborative and individual PEP accomplishments and efforts will continue to be successful and we will work in the most effective, efficient way possible.

### **C. REQUIRED TOPIC AREAS**

The PEP follows the format recommended by the MDEQ and includes the ten topic areas required in the permit.

*An adequate PEP will implement a sufficient amount of educational activities to ensure that the targeted audiences are reached with the appropriate message(s) for the following topics:*

- (A) Promote public responsibility and stewardship in the applicant’s watershed(s).*
- (B) Inform and educate the public about the connection of the MS4 to area waterbodies and the potential impacts discharges could have on surface waters of the state.*
- (C) Educate the public on illicit discharges and promote public reporting of illicit discharges and improper disposal of materials into the MS4.*
- (D) Promote preferred cleaning materials and procedures for car, pavement, and power washing.*
- (E) Inform and educate the public on proper application and disposal of pesticides, herbicides, and fertilizers.*
- (F) Promote proper disposal practices for grass clippings, leaf litter, and animal wastes that may enter into the MS4.*

- (G) *Identify and promote the availability, location, and requirements of facilities for collection or disposal of household hazardous waste, travel trailer sanitary wastes, chemicals, yard wastes, and motor vehicle fluids.*
- (H) *Inform and educate the public on proper septic system care and maintenance, and how to recognize system failure.*
- (I) *Educate the public on, and promote the benefits of, green infrastructure and Low Impact Development.*
- (J) *Identify and educate commercial, industrial, and institutional entities likely to contribute pollutants to stormwater runoff.*

**D. PUBLIC EDUCATION PLAN IMPLEMENTATION**

Activities listed here correspond directly with the ten topic areas A - J for compliance. The GLRC action plan, as part of the Clinton County Road Commission’s SWMP details the activities below and includes a schedule and general evaluation mechanisms.

**(A) Promote public responsibility and stewardship in the applicant’s watershed(s).**

**Activity:** Continue to maintain watershed signage at road and river crossings.

**Corresponding topic area:** A

**Priority:** Medium

**Target audience:** Public

**Key message:** Promoting local water resources, connecting the public to their surrounding environment. Signs read “You are in the Grand River, Looking Glass, or Red Cedar River Watershed”.

**Delivery mechanism:** Passing vehicles, people biking, walking or running will view the signs.

**Year and frequency of implementation:** The signs were originally posted between 2005 -2006. They will be maintained indefinitely with help from the local Road Commissions and communities.

**Responsible party:** The Clinton County Road Commission

**Evaluation:** Indicate that the signs are still there in Progress Reports.

**Activity:** Use “Do you know your watershed?” brochure and update as appropriate. An update occurred in 2018.

**Corresponding topic area:** B

**Priority:** Medium

**Target audience:** Public

**Key message:** The brochure educates the public about what a watershed is, our local watersheds and general information about watershed protection.

**Delivery mechanism:** Posted on the GLRC website, handed out at public events, available in community lobbies, available during use of the GLRC display.

**Year and frequency of implementation:** The brochure will be used at all public events (Adopt A River, Quiet Water Symposium, Michigan Water Environment Association (MWEA) Watershed Summit), update as appropriate.

**Responsible party:** PEP Committee, GLRC Coordinator and the Clinton County Road Commission

**Evaluation:** Number of brochures provided throughout the year and website link traffic to digital versions.

**Activity:** Promote the Mid-Michigan Environmental Action Council (Mid-MEAC) volunteer stream monitoring efforts.

**Corresponding topic area(s):** C, J

**Priority:** Medium

**Target audience:** Public – recruiting volunteers for action.

**Key message:** Promote Mid-MEAC volunteer stream monitoring events that educate the public (volunteers) about macroinvertebrates and why they are an important indicator of water quality. This provides an opportunity to discuss pollutant sources and reporting of illicit discharges and riparian buffer purpose and management.

**Delivery mechanism:** GLRC Website and social media.

**Year and frequency of implementation:** Macroinvertebrate collections are done annually in the spring and fall, identification is completed in the fall.

**Responsible party:** GLRC Coordinator

**Evaluation:** Website traffic, potential volunteers reached through social media.

**Activity:** GLRC Educational Display

**Corresponding topic area(s):** B, C, D, E, F, G, H, I, J (all)

**Priority:** Medium

**Target audience:** Public and businesses

**Key message:** General watershed education; promoting action of the public about what they can do to reduce pollution.

**Delivery mechanism:** The display is used at the annual Quiet Water Symposium, annual Adopt-A-River event, Michigan Water Environment Association Watershed Summit, and various regional events. The scrolling banner display is utilized by each member for multiple weeks annual in a public area (library, office lobby, etc).

**Year and frequency of implementation:** Continuous use at annual events. Panels were updated in 2014 to relate more specifically to the minimum control measures and target audiences, and an additional scroll style banner was designed in 2018 to be used in members' municipal lobbies, libraries, and public spaces and created to address knowledge gaps identified by the 2012 public survey. Displays will be updated as needed in the future.

**Responsible party:** GLRC Coordinator, PEP Committee and the Clinton County Road Commission.

**Evaluation:** Number of events, use in municipal lobbies, event attendance.



**Activity:** Update basic educational graphic with tag line and GLRC website

**Corresponding topic area(s):** B, C, D, E, F, G, H, I, J (all)

**Priority:** Medium

**Target audience:** Public

**Key message:** The tag line was updated to read “Pollution Isn’t Pretty” and “We All Live In A Watershed”, demonstrating that what we put on land effects the water. The website is also listed which directs the public to information that covers all topic areas listed in this plan.

**Delivery mechanism:** Trail signage, brochures, social media, website content, events/lobby displays

**Year and frequency of implementation:** Ongoing

**Responsible party:** PEP Committee, GLRC Coordinator

**Evaluation:** Website link traffic, social media analytics, brochures handed out at events, event attendance.



**Activity:** Utilize existing news articles and update them to be more flexible with different media outlets (Twitter, shorter columns, etc.).

**Corresponding topic area(s):** B, C, D, E, F, G, H, I, J (all)

**Priority:** Medium

**Target audience:** Public, elected officials

**Key message:** Articles cover the following topics:

What is a Watershed?	Pet Waste and the Environment
Wetlands: An Overview	Storm Vs. Sanitary Sewer Systems
Who/What is the GLRC	Responsible Car Washing
Septic System Maintenance	Adopt Your Catch Basin
Safe Fertilizer Use	Illicit Discharge
Vehicle Maintenance	

**Delivery mechanism:** Articles are posted on the GLRC website, Road Commission Website. Similar educational content posted on social media.

**Year and frequency of implementation:** Continue to maintain articles on the GLRC website. Update/reformatting occurred in 2017. Educational content will be posted monthly on GLRC social media throughout the permit cycle. A posting timeline guide is also used.

**Responsible party:** GLRC Coordinator, PEP Committee and the Clinton County Road Commission.

**Evaluation:** Number of articles (or similar) posted. The GLRC Coordinator tracks GLRC website and social media analytics

***(B) Inform and educate the public about the connection of the MS4 to area waterbodies and the potential impacts discharges could have on surface waters of the state.***

**Activity:** GLRC webpage titled “Stormwater Basics” and “What’s a Watershed?”

**Corresponding topic area:** A, C

**Priority:** High

**Target audience:** Public, elected officials

**Key message:** This section of the website promotes watershed health information, describes what citizens can do, how our water is impacted, etc.

**Delivery mechanism:** GLRC website and social media, community website links to the GLRC webpage

**Year and frequency of implementation:** Continuous presence on the website, update as appropriate.

**Responsible party:** GLRC Coordinator

**Evaluation:** Website link traffic, social media analytics

**Activity:** GLRC quarterly newsletters and annual report

**Corresponding topic area(s):** A, C, D, E, F, G, H, I, J (all)

**Priority:** High

**Target audience:** Public, elected officials

**Key message:** The newsletters and annual report provide information on specific GLRC activities/events related to the six minimum measures. It also provides information related to relevant partner events and activities. It serves to educate municipal staff, elected officials, and the public.

**Delivery mechanism:** GLRC website, social media, CCRC website

**Year and frequency of implementation:** Ongoing, newsletters are completed quarterly, and the annual report is completed after the first of the calendar year.

**Responsible party:** GLRC Coordinator, Clinton County Road Commission.

**Evaluation:** Website link traffic, number of newsletters/annual reports distributed at events, number of people reached through email.

***(C) Educate the public on illicit discharges and promote public reporting of illicit discharges and improper disposal of materials into the MS4.***

**Activity:** Maintain the GLRC and Clinton County Road Commission website to include information on illicit discharges and contacts for reporting illicit discharges and acts of pollution.

**Corresponding topic area:** A

**Priority:** High

**Target audience:** Public

**Key message:** To report illicit discharges (description provided), illegal dumping, etc.

**Delivery mechanism:** GLRC website and social media, Clinton County Road Commission website

**Year and frequency of implementation:** Continuous posting on GLRC website and social media and Clinton County Road Commission website. As needed, the PEP committee will explore different delivery methods (language, etc.) to make this more relatable to the public.

**Responsible party:** GLRC Coordinator, PEP Committee, Clinton County Road Commission

**Evaluation:** Website link traffic and social media analytics

***(D) Promote preferred cleaning materials and procedures for car, pavement, and power washing.***

**Activity:** Series of posters and brochures covering: car washing, pet waste, motor oil and fertilizer reduction.

**Corresponding topic area(s):** A, B, F, G

**Priority:** Medium

**Target audience:** Public

**Key message:** Posters and brochures describe the impact that bad practices related to car washing, pet waste disposal, motor oil disposal and fertilizer application can have on water quality. They also provide alternatives or best management practices for each of the four topics.

**Delivery mechanism:** Posters and brochures are available in community lobbies, brochures are handed out at public events, etc. Similar information is posted to the GLRC and CCRC websites and GLRC social media. Brochures are also available in the lobby of the Clinton County Road Commission.

**Year and frequency of implementation:** Continuous use at public events (Adopt A River, Quiet Water Symposium, MWEA Watershed Summit, and on website/social media, etc., update as appropriate.

**Responsible party:** GLRC Coordinator, PEP Committee and Clinton County Road Commission.

**Evaluation:** Number of brochures provided throughout the year, website link traffic, and social media analytics

***(E) Inform and educate the public on proper application and disposal of pesticides, herbicides, and fertilizers.***

See corresponding topic area G below.

***(F) Promote proper disposal practices for grass clippings, leaf litter, and animal wastes that may enter into the MS4.***

**Activity:** Promote existing materials related to grass clippings and leaf litter.

**Corresponding topic area(s):** A

**Priority:** Medium

**Target audience:** Public, small businesses

**Key message:** Use the best management practices for management of grass clippings and leaf litter.

**Delivery mechanism:** Promoted through the GLRC educational display. Posted to GLRC social media and website, and CCRC website.

**Year and frequency of implementation:** 2013, continuous

**Responsible party:** GLRC Coordinator and Clinton County Road Commission.

**Evaluation:** Number of flyers/brochures handed out, website link traffic, social media analytics

**Activity:** Continue to maintain pet waste reduction watershed signage at parks or designated dog areas and post pet waste reduction information on social media and website

**Corresponding topic area(s):** A, D

**Priority:** Medium

**Target audience:** Public

**Key message:** Promoting pet waste reduction for watershed protection, connecting the public to their surrounding environment.

**Delivery mechanism:** Passing vehicles, people biking, walking or running, and pet owners will view the signs. GLRC website and social media and CCRC website.

**Year and frequency of implementation:** The signs will be maintained indefinitely with help from the local Road Commissions. Pet waste information will be present on mywatersheds.org indefinitely, with at least two GLRC social media posts per year. Signs are maintained continuously .

**Responsible party:** GLRC Coordinator, CCRC

**Evaluation:** Signs posted, maintenance activities, website traffic, social media analytics



**(G) Identify and promote the availability, location, and requirements of facilities for collection or disposal of household hazardous waste, travel trailer sanitary wastes, chemicals, yard wastes, and motor vehicle fluids.**

**Activity:** Promote local Household Hazardous Waste Collection and Recycling Events.

**Corresponding topic area(s):** D, E

**Priority:** Medium

**Target audience:** Public, small businesses

**Key message:** Pollution prevention by using available resources for appropriate disposal of waste.

**Delivery mechanism:** GLRC website, GLRC social media, Clinton County Road Commission website.

**Year and frequency of implementation:** Continuous, updates as necessary and as events are scheduled.

**Responsible party:** GLRC coordinator and Clinton County Road Commission

**Evaluation:** Website link traffic, social media analytics, amount collected at hosted collection dates.

***(H) Inform and educate the public on proper septic system care and maintenance, and how to recognize system failure.***

**Activity:** Promote information on proper septic system care. Post Ingham County's local Point of Sale/Time of Sale septic/well inspection ordinance on GLRC website

**Corresponding topic area:** A

**Priority:** Low

**Target audience:** Public

**Key message:** Maintain your septic system; it could be contaminating local water bodies through stormwater runoff.

**Delivery mechanism:** GLRC website and social media

**Year and frequency of implementation:** Continuous

**Responsible party:** GLRC coordinator

**Evaluation:** Website link traffic, social media analytics, brochures handed out.

***(I) Educate the public on, and promote the benefits of, green infrastructure and Low Impact Development.***

**Activity:** Promote Green Infrastructure and Low Impact Development brochure, update as appropriate.

**Corresponding topic area:** A

**Priority:** High

**Target audience:** Public, elected officials, small businesses

**Key message:** Promote the use of LID and Green Infrastructure (GI) as a tool for reducing polluted runoff from developments and homes. The brochure explains what LID and GI are and provides examples and resources (links).

**Delivery mechanism:** GLRC website, GLRC social media, use with GLRC educational display, lobbies, etc.

**Year and frequency of implementation:** Continuous, will use at events (Adopt A River, Quiet Water Symposium and MWEQ Watershed Summit ) and update as appropriate.

**Responsible party:** GLRC Coordinator

**Evaluation:** Number of brochures handed out, website traffic, social media analytics

**Activity:** GLRC local Green Infrastructure projects webpage

**Corresponding topic area:** A

**Priority:** High

**Target audience:** Public, small businesses

**Key message:** The webpage highlights various local LID and GI projects in the region to help encourage others to pursue projects in their own neighborhood or community.

**Delivery mechanism:** GLRC website and social media

**Year and frequency of implementation:** Continuous, will update as needed, initial revision July 2013.

**Responsible party:** GLRC Coordinator

**Evaluation:** Website link traffic.

**Activity:** Green Infrastructure educational programming

**Corresponding topic area:** A

**Priority:** High

**Target audience:** GLRC members, elected officials, public

**Key message:** Educate public, members, and elected officials on several different best management practices (examples include: snow management, Green Infrastructure project highlights, Green Infrastructure monitoring results, pervious pathways and tree preservation techniques, etc.)

**Delivery mechanism:** GLRC website, social media, newsletter distribution, presentations

**Year and frequency of implementation:** Continuous presence of GI information on website and social media, GLRC to host two GI presentations per permit cycle.

**Responsible party:** GLRC Coordinator, PEP Committee

**Evaluation:** Number of people reached by email, website traffic, social media analytics. Attendance at programs.

**Activity:** Promote Greening Mid-Michigan (GMM) Project (regional GI vision) videos

**Corresponding topic area:** A

**Priority:** High

**Target audience:** Public

**Key message:** A 27-minute video was produced with WKAR, promoting Green Infrastructure techniques and demonstrating how they lead to improved land use, water resource management, etc. The GLRC also received 3-4 shorter sound bites specifically related to stormwater management.

**Delivery mechanism:** GLRC website, GLRC social media, video distribution.

**Year and frequency of implementation:** Video development occurred in 2013-2014. GLRC has and continues to post video segments to website, social media.

**Responsible party:** GLRC Coordinator

**Evaluation:** Number of video views, website traffic, social media analytics

***(J) Identify and educate commercial, industrial, and institutional entities likely to contribute pollutants to stormwater runoff.***

**Activity:** Educate business community on MS4 and pollution prevention. Will outreach to entities such as car wash facilities, lawn care companies, food establishments, and industrial and institutional entities to share information on how these operations can impact the MS4 or to partner with them in educating their customers.

**Corresponding topic area(s):** A

**Priority:** Medium

**Target audience:** Businesses, industries, institutions

**Key message:** Improve stormwater management to reduce pollution.

**Delivery mechanism:** Sharing educational materials with businesses, presentations to business groups, and/or utilizing business publications.

**Year and frequency of implementation:** The GLRC Coordinator will outreach to local businesses twice per permit cycle.

**Responsible party:** PEP Committee, GLRC Coordinator

**Evaluation:** Number of connections made with local businesses, etc.



**Michigan Department of Environmental Quality- Water Bureau**  
**STORM WATER DISCHARGE PERMIT APPLICATION**

MDEQ USE ONLY  
 Tracking Number  
 177598.1

**PLEASE TYPE OR PRINT**  
 Applications shall include all of the following requested information.

<b>I. APPLICANT NAME AND MAILING ADDRESS</b> Clinton County Road Commission		Current COC Number (if applicable) MIG610112
Additional Applicant Name Information Co. Daniel Armentrout		Watershed Name Looking Glass, Red Cedar, Grand River
Street Address or P.O. Box 3536 S. BR 127		e-mail armentroutd@ccrc-roads.com
City or Village St. Johns	State MI	ZIP Code 48879
Telephone (with area code) (989) 224-3274 ex 238		Fax Number (with area code) (989) 224-4003

2 CONTACTS	<input checked="" type="checkbox"/> Application Contact	First Name Daniel	Last Name Armentrout		
	<input checked="" type="checkbox"/> Storm Water Program Manager	Title Dir. of Engineering	Business Clinton County Road Commission		
		Address 1 3536 S. BR 127	Address 2		
		City St. Johns	State MI	Zip Code 48879	
	<input checked="" type="checkbox"/> Storm Water Billing	Telephone (with area code) (989) 224-3274 ex. 238	FAX (with area code) (989) 224-4003	e-mail armentroutd@ccrc-roads.com	
	<input type="checkbox"/> Application Contact	First Name	Last Name		RECEIVED JUL 30 2003 W.B. SURFACE WATER PERMITS SECTION
		Title	Business		
		Address 1	Address 2		
		City	State	Zip Code	
		Telephone (with area code)	FAX (with area code)	e-mail	
	<input type="checkbox"/> Storm Water Program Manager	First Name	Last Name		
		Title	Business		
Address 1		Address 2			
City		State	Zip Code		
Telephone (with area code)		FAX (with area code)	e-mail		
<input type="checkbox"/> Storm Water Billing	First Name	Last Name			
	Title	Business			
	Address 1	Address 2			
	City	State	Zip Code		
	Telephone (with area code)	FAX (with area code)	e-mail		

3. Discharge Point Information – Identify the option selected for providing the discharge point locations and the request for authorization by category in accordance with the instructions on Page i of the Application. The required maps, lists, and/or descriptions for each option must be attached to the Application.

4. Provide a map indicating the applicant's political/territorial boundaries and regulated areas (regulated areas are urbanized areas and areas identified by the applicant to be subject to a watershed planning process). Delineate the watershed boundaries within the applicant's regulated area. For urbanized areas where WMPs are deferred, the map needs only to define the boundaries of the urbanized area within the applicant's political or territorial boundaries.

5. A primary jurisdiction (city, village, or township) shall submit:

a) The name and general description of each nested jurisdictional area or drainage system for which a cooperative agreement has been reached to carry out storm water discharge responsibilities.

b) The name and general description of other nested jurisdictional areas or drainage systems within their political or territorial boundaries for which they have information that indicates a separate storm water drainage system permit may be required.

Additionally, the primary jurisdiction may submit documentation of its efforts to notify the nested jurisdictions that they need to either obtain their own permits or work cooperatively under one permit. The primary jurisdiction shall be responsible for assuring compliance with this general permit for those nested jurisdictions with which they have entered into an agreement and listed as part of the Application for this permit.

6. Identify the option or options, from the instructions on Page ii of the Application, by which the permit requirements for Post-Construction Storm Water Control for New Developments and Redevelopment Projects will be met. Attach to this Application all documentation and/or schedules required for the option(s) selected.


7. **CERTIFICATION**  
Rule 323.2114(1-4) of the Part 21 Rules of Michigan Act 451, Public Act of 1994, Part 31, as amended, requires that this Application be signed by either a principal executive officer, the mayor, village president, city or village manager, or other duly authorized employee.

*"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for having knowledge of violations."*

I understand that my signature constitutes a legal agreement to comply with the requirements of the appropriate NPDES General Storm Water Permit. I certify under penalty of law that I possess full authority on behalf of the legal owner/permittee to sign and submit this Storm Water Discharge Permit Application.

Print Name: Daniel Armentrout Title: Dir. of Engineering

Representing: Clinton County Road Commission

Signature: 

Date: 7/28/08

**GREATER LANSING REGIONAL COMMITTEE ON PHASE II  
NONPOINT SOURCE POLLUTION PREVENTION**

City of DeWitt  
City of East Lansing  
City of Grand Ledge  
City of Lansing  
City of Mason  
Delhi Charter Township  
Delta Charter Township  
DeWitt Charter Township  
Clinton County Road Commission

Lansing Charter Township  
Meridian Charter Township  
Village of Dimondale  
Lansing Public Schools  
DeWitt Public Schools  
Michigan State University  
Oneida Charter Township  
Windsor Charter Township

RECEIVED

JUL 30 2008

W.B. SURFACE WATER  
PERMITS SECTION

**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM  
(NPDES)**

**PERMIT APPLICATION FOR COVERAGE OF DISCHARGES FROM  
MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4s)**

**“WATERSHED PERMIT”**

**NPDES GENERAL PERMIT NO. MIG610000**

July 2008

# TABLE OF CONTENTS

MDEQ STORM WATER DISCHARGE PERMIT APPLICATION .....	1
PERMIT APPLICATION AND THE GLRC.....	3
PSD MAPS AND DRAINAGE SYSTEM BOUNDARIES .....	9
NESTED JURISDICTION.....	11
POST-CONSTRUCTION STORMWATER CONTROLS .....	12

RECEIVED

JUL 30 2008

W.B. SURFACE WATER  
PERMITS SECTION

## PERMIT APPLICATION AND THE GLRC

The Greater Lansing Regional Committee (GLRC) for stormwater management was officially formed with Memorandum of Agreement in April of 2004. The MOA was very recently updated and has been adopted by the GLRC members. In accordance with the first NPDES permit cycle (2003 – 2008); watershed management plans (WMP) for the Red Cedar, Grand, and Looking Glass Rivers were developed and submitted to MDEQ in October 2005 (Red Cedar WMP) and March 2006 (Grand and Looking Glass Rivers WMPs).

The GLRC has formed many committees and subcommittees to implement the recently developed watershed management plans (Figure 1). These include the Illicit Discharge Elimination Program (IDEP) Committee, Public Education Program (PEP) Committee, Funding Committee, Ordinance/Best Management Practices (BMP) Committee, and the Habitat and Recreation Committee.

The GLRC will continue to work together to further implement the goals and objectives of the watershed management plans through out the next permit cycle (2008 – 2013). Due to a recent court case ruling, some township members are no longer required to have a NPDES Stormwater Permit; these include Windsor Charter Township, Oneida Charter Township, Watertown Charter Township, and Bath Charter Township. The GLRC has encouraged these townships to continue membership in the GLRC at an associate level in order to continue to work together in the watershed management process. Windsor Charter Township and Oneida Charter Township have chosen to do so.

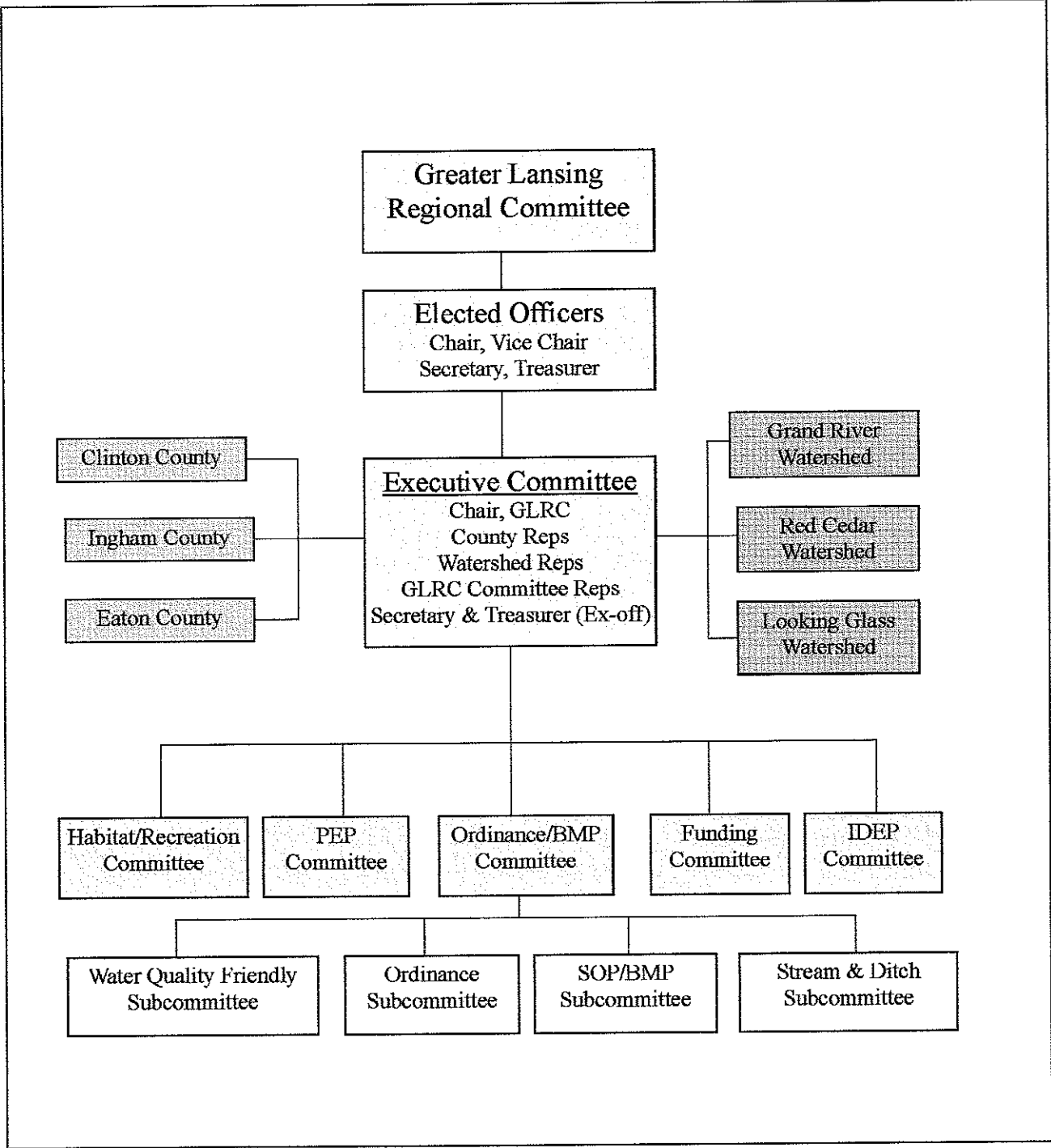
With the original permit application, an implementation strategy (Figure 2) was developed to guide the group through the first permit cycle and into the second permit cycle. This schedule outlines specific permit tasks, the responsible party, and the requested timeline for activities. Figure 3, Tri-County Phase II Stormwater Implementation Strategy Flowchart, depicts the working of the various committees pictorially and how they interact together. In addition the urbanized area map and watershed boundaries map have been provided.

RECEIVED

JUL 30 2008

W.B. SURFACE WATER  
PERMITS SECTION

FIGURE 1: GREATER LANSING REGIONAL COMMITTEE STRUCTURE



July 2008

FIGURE 2: TRI-COUNTY PHASE II STORM WATER IMPLEMENTATION STRATEGY - GREATER LANSING REGIONAL COMMITTEE (GLRC)

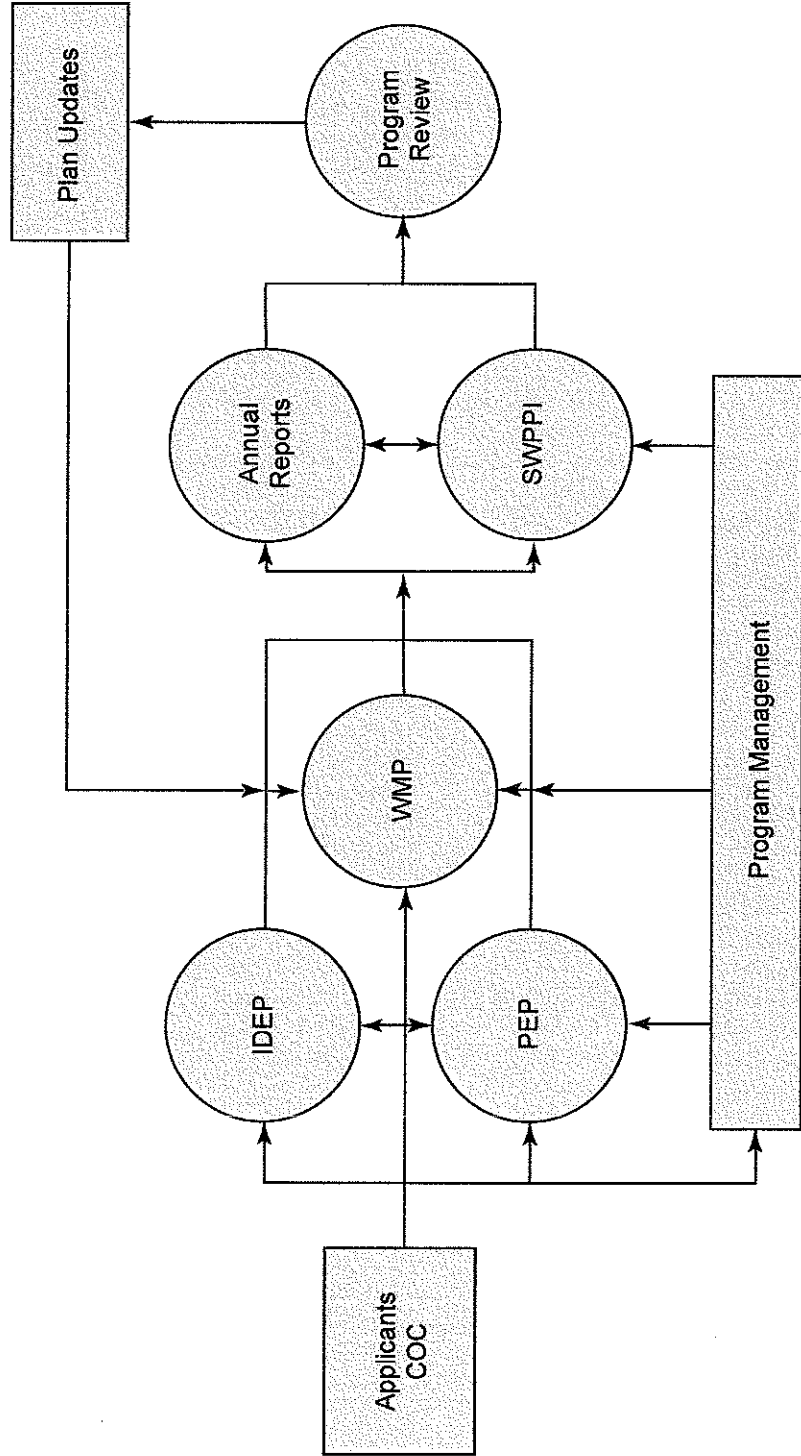
PROGRAM ELEMENT	IMPLEMENTATION TASKS	RESPONSIBLE PARTY	1ST PERMIT CYCLE					2ND PERMIT CYCLE							
			1	2	3	4	5	6	7	8	9	10			
IDEP	Standard Protocol	Consultant													
	Staff Training	Consultant													
	Field Work	Each Applicant													
	Legal Authority Review	Each Applicant													
	Ordinance Development	Each Applicant													
PEP	Coordination Meetings	GLRC	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Database & Reporting	Applicants/Consultant													
	Program Planning	Committee/Consultant													
	Database & Reporting	Applicants/Consultant													
WMP	Coordination Meetings	GLRC	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Production/Distribution	Applicants/Consultant													
	Public Involvement	Committee/Consultant													
	Plan Development	Committee/Consultant													
	Coordination Meetings	GLRC	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
SWPPI	MDEQ Review	Committee/Consultant													
	Approval of SWPPI	Applicants													
	Database & Tracking	Applicants/Consultant													
	Coordination Meetings	GLRC	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Implementation	Applicants													
Program Management	Draft Development	Committee/Consultant													
	Cost Allocations	GLRC/Consultant													
	Coordination Meetings	GLRC/Consultant													
	Annual Reporting	Applicants/Consultant													

Committee of the Whole - Meet quarterly after the permit is issued.  
 Standing Committees:  
 Grand River Watershed  
 Red Cedar River Watershed  
 Looking Glass River Watershed  
 Public Education Program  
 Illicit Discharge Elimination Program  
 Committee Meetings - As needed to complete program tasks as required.

PSD - Point Source Discharge  
 IDEP - Illicit Discharge Elimination Plan  
 PEP - Public Education Plan  
 WMP - Watershed Management Plan  
 SWPPI - Storm Water Pollution Prevention Initiative

Revised  
 February 7, 2003

FIGURE 3: TRI-COUNTY PHASE II STORM WATER IMPLEMENTATION STRATEGY FLOWCHART



COC - Certificate of Coverage  
 IDEP - Illicit Discharge Elimination Plan  
 PEP - Public Education Plan  
 WMP - Watershed Management Plan  
 SWPPI - Storm Water Pollution Prevention Initiative













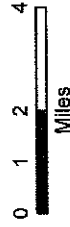
January 2003

# LANSING URBANIZED AREA 2000 CENSUS

Urban Area Population: 300,032

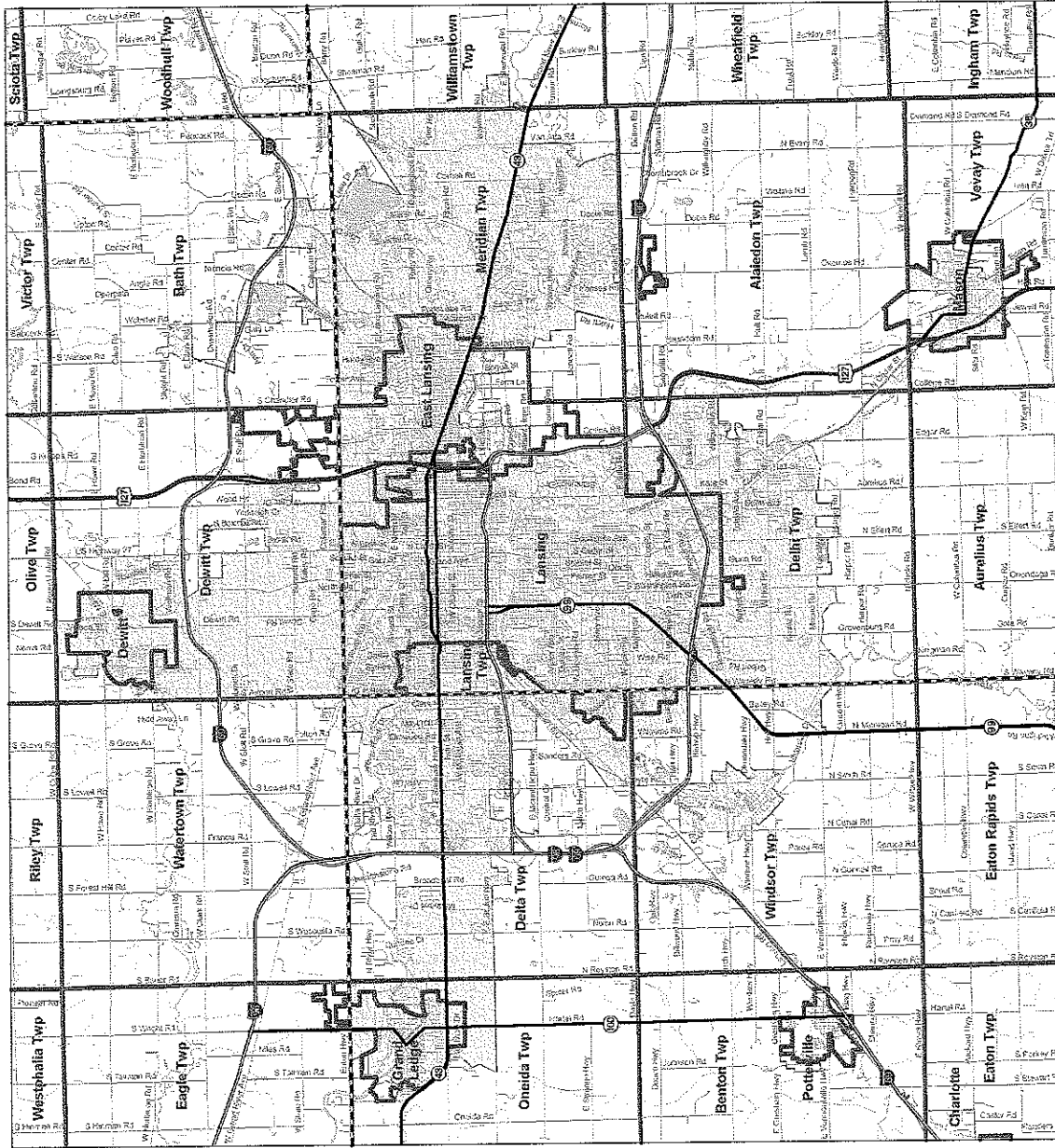
## GEOGRAPHY

-  Urbanized Area (area of interest)
-  Other UA or UC
-  County Boundary
-  Minor Civil Division
-  Interstate Highway
-  U.S. Highway
-  State Highway
-  Roads
-  Lakes / Rivers
-  Hydrography



StatSoft  
Geography  
Data  
Produced by  
Michigan State University  
Department of Information Technology  
May 2002










SOURCE: Urban Areas from U.S. Census Bureau TIGER/Line, 2002.  
BaseMap from Navigon Geographic Framework, 2002.



# Greater Lansing Regional Committee

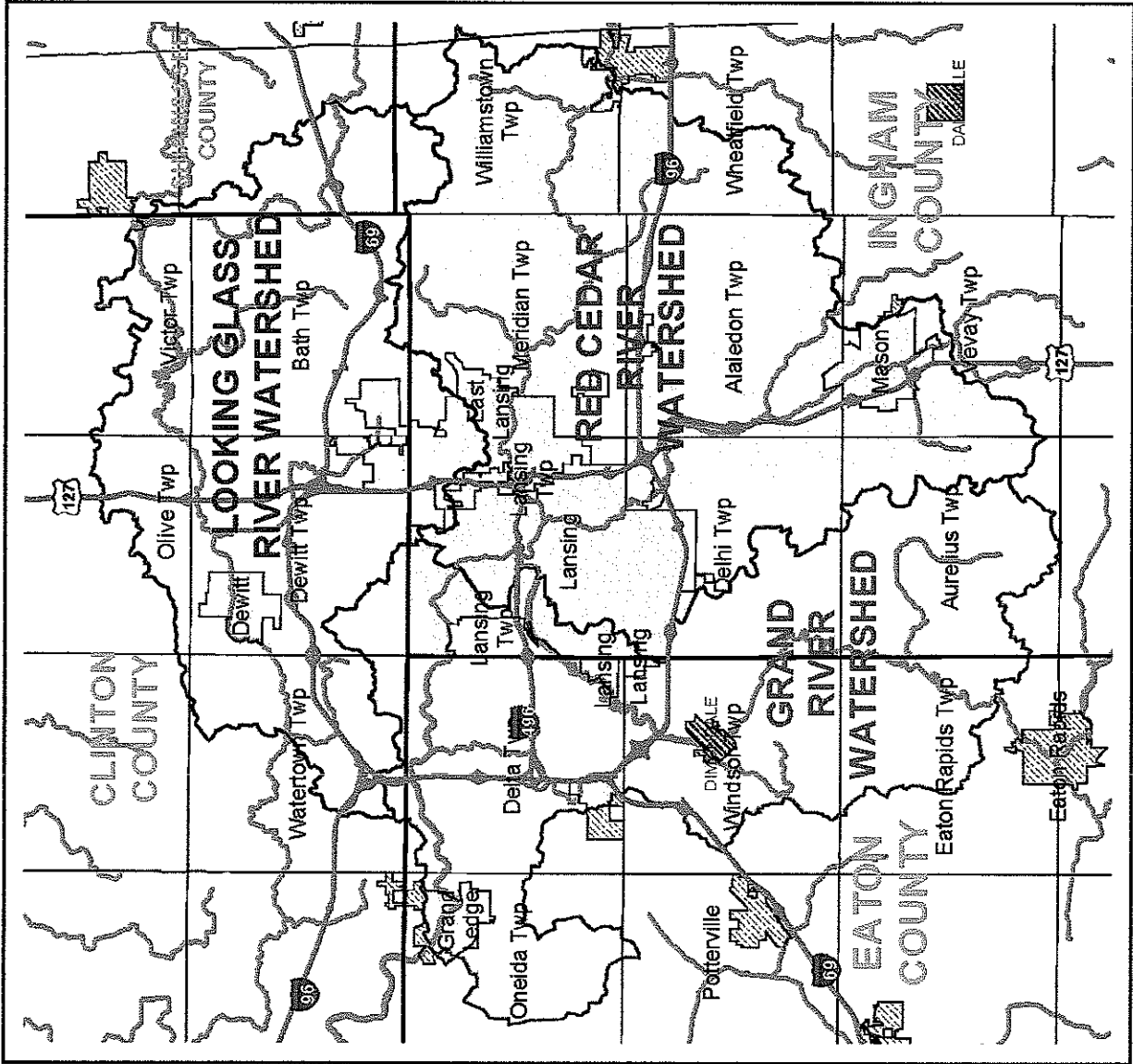
## Subwatershed Project Area

### Legend

-  Townships
-  Counties
-  Rivers
-  Grand River Watershed
-  Red Cedar Watershed
-  Looking Glass Watershed
-  Cities and Villages
-  Interstates/Freeways
-  State Highways



Produced by Erin Campbell, Tri-County Regional Planning Commission  
12/16/2006



Geographical Framework Source: Michigan Geographical Framework

## **PSD MAPS AND DRAINAGE SYSTEM BOUNDARIES**

Maps of the municipality's storm sewer system are presented in this section. These maps show the drainage for the entire municipality. Accompanying these maps is a table listing each of the point source discharges (PSDs). PSDs are outfalls from a drainage system to waters of the state, or a point where a stormwater drainage system discharges into a system operated by another public body. This table presents the PSD identification (ID) number, and the pipe size, receiving water body location if known.

The maps and table provided here will be updated and replaced as field investigations are performed to establish field verified PSD maps.

No additional locations have been found since the original locations were identified in 2003.

**NPDES Phase II Storm Water Discharge Permits  
Clinton County Road Commission**

<b>Bath Charter Township</b>		
<b>PSD ID</b>	<b>Receiving Waterbody</b>	<b>Location</b>
BA 1	Clise Drain	SW 1/4, SE 1/4, Sec 18, T5N, R1W
BA 2	Hall Drain	SW1/4, SW1/4, Sec 18, T5N, R1W
BA 3	Mud Creek	NE1/4, NE 1/4, Sec 22, T5N, R1W
BA 4	Unnamed Waterbody	SW1/4, SE1/4, Sec 13, T5N, R1W

<b>DeWitt Charter Township</b>		
<b>PSD ID</b>	<b>Receiving Waterbody</b>	<b>Location</b>
DW 1	Unnamed Tributary to Looking Glass	SW1/4, SE1/4, Sec 6, T5N, R2W
DW 2	Unnamed Waterbody	SW1/4, SW1/4, Sec 9, T5N, R2W
DW 3	Unnamed Waterbody	NW1/4, NW1/4, Sec 3, T5N, R2W
DW 4	Looking Glass River	NW1/4, NW1/4, Sec 2, T5N, R2W
DW 5	Remy Chandler Drain	SW1/4, SW1/4, Sec 14, T5N, R2W
DW 6	Remy Chandler Drain	SW1/4, SW1/4, Sec 13, T5N, R2W
DW 7	Unnamed Tributary to Remy Chandler Drain	NE1/4, NE1/4, Sec 25, T5N, R2W
DW 8	Unnamed Tributary to Remy Chandler Drain	SW1/4, SE1/4, Sec 25, T5N, R2W
DW 9	Remy Chandler Drain	SE1/4, SW1/4, Sec25, T5N, R2W
DW 10	Remy Chandler Drain	NE1/4, NE1/4, Sec 36, T5N, R2W
DW 11	Prairie Creek	SW1/4, NW1/4, Sec 28, T5N, R2W
DW 12	Unnamed Waterbody	NW1/4, SE1/4, Sec 13, T5N, R2W

<b>Olive Township</b>		
<b>PSD ID</b>	<b>Receiving Waterbody</b>	<b>Location</b>
OL 1	Unnamed Waterbody	NE1/4, NE1/4, Sec 24, T6N, R2W
OL 2	Looking Glass River	SE1/4, NE1/4, Sec 36, T6N, R2W

<b>Riley Township</b>		
<b>PSD ID</b>	<b>Receiving Waterbody</b>	<b>Location</b>

There is no PSD's in Riley Township

<b>Victor Township</b>		
<b>PSD ID</b>	<b>Receiving Waterbody</b>	<b>Location</b>
VI 1	Unnamed Tirbutary to Looking Glass River	NW1/4, SE1/4, Sec 30, T6N, R1W
VI 2	Unnamed Tirbutary to Looking Glass River	SW1/4, SW1/4, Sec 30, T6N, R1W
VI 3	Unnamed Tirbutary to Looking Glass River	SE1/4, SW1/4. Sec30, T6N, R1W
VI 4	Unnamed Tirbutary to Looking Glass River	NW1/4, SW1/4, Sec 26, T6N, R1W
VI 5	Unnamed Tirbutary to Looking Glass River	NE1/4, SW1/4, Sec 34, T6N, R1W

## **NESTED JURISDICTION**

### **Definition**

Nested jurisdictions are public institutions like school districts, colleges, or universities; state or federal institutions like hospitals, prisons, or military installations. Nested jurisdictions own or operate their own drainage systems within the political or territorial boundaries of a city, village, or township.

### **Application Requirements**

The application requirements state that the following information must be provided.

- A primary jurisdiction shall submit to the Department: 1) the name and general description of each nested jurisdictional area or drainage system for which a cooperative agreement has been reached to carry out stormwater discharge responsibilities, and 2) the name of other nested jurisdictions that indicates a separate storm water drainage system permit may be required. Additionally, the primary jurisdiction may submit documentation of its efforts to notify the nested jurisdictions that they need to either get their own permits or work cooperatively under one permit. The primary jurisdiction shall be responsible for assuring compliance with this general permit for those nested jurisdictions with which they have entered into an agreement and listed as part of the application for this permit.

### **Cooperative Nested Jurisdictions**

The Clinton County Road Commission will not be including any nested jurisdictions in its permit at this time.

## **POST-CONSTRUCTION STORMWATER CONTROLS FOR NEW DEVELOPMENTS AND REDEVELOPMENT PROJECTS**

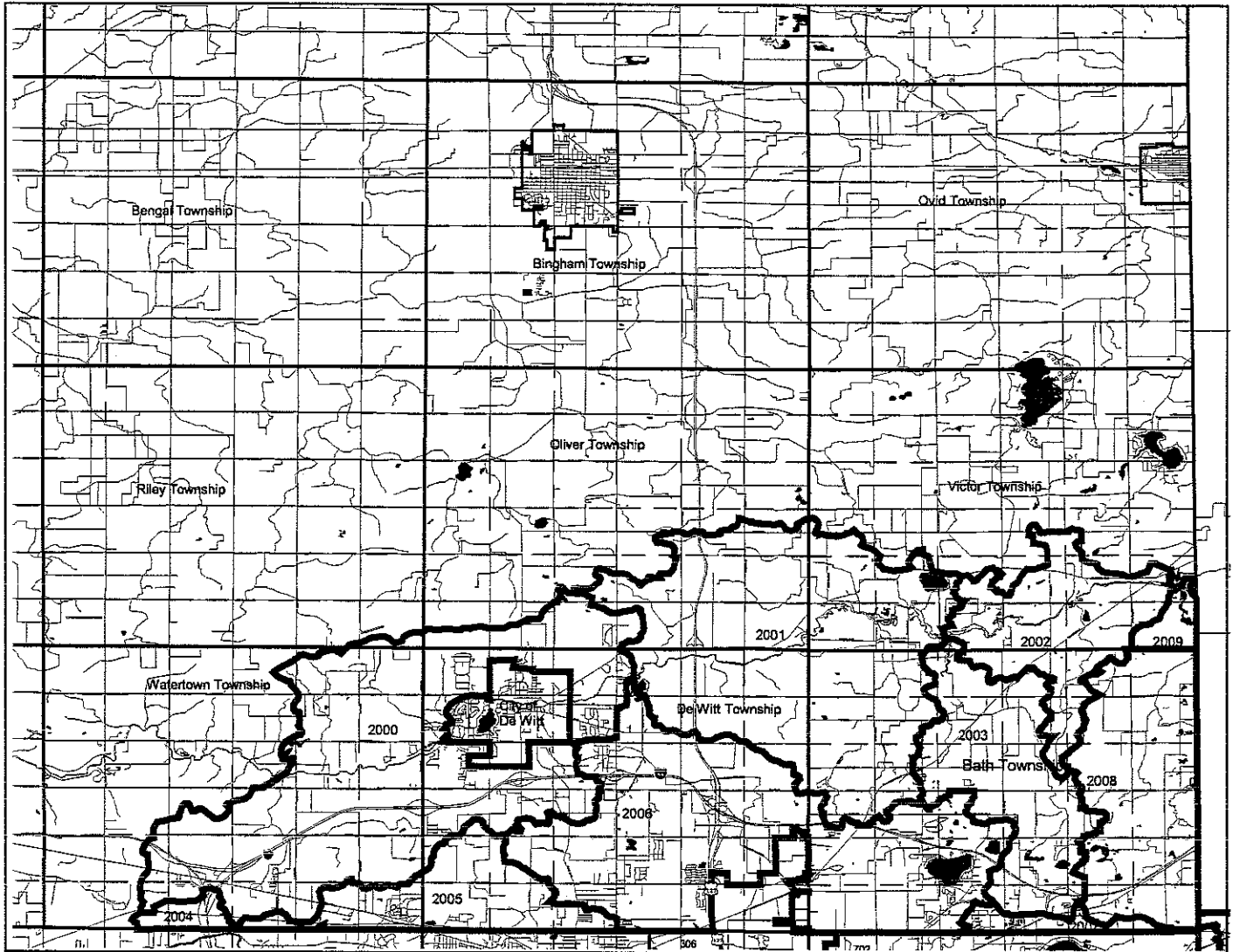
The permit requirements for Post-Construction Stormwater Control for new development and redevelopment can be met through a variety of options. Ultimately resulting in an ordinance or regulatory mechanism to address both minimum treatment volume and channel protection.

The Clinton County Road Commission has two board policies in place which provide locally enforceable regulatory mechanisms to regulate treatment for water quality and criteria for channel protection. In addition, our "Rules for Subdivision and Public Road Development" requires that all drainage in new subdivisions become County Drain under the jurisdiction of the Clinton County Drain Commissioner. Copies of Policy No. 25 and 108 are attached.

# Clinton County Road Commission Clinton County Drainage Area Map



Not to Scale



**Legend**

- Roads
- River/Stream
- 2000 Sub-Watershed ID
- Lakes
- Watershed Boundary
- Township Boundary

Watershed ID	Area (ac)
2001	14987.47
2002	5062.95
2003	579.87
2008	6454.80
2000	16889.10
2003	5937.90
2006	13728.35
2005	3572.44
2004	706.30
2007	748.86

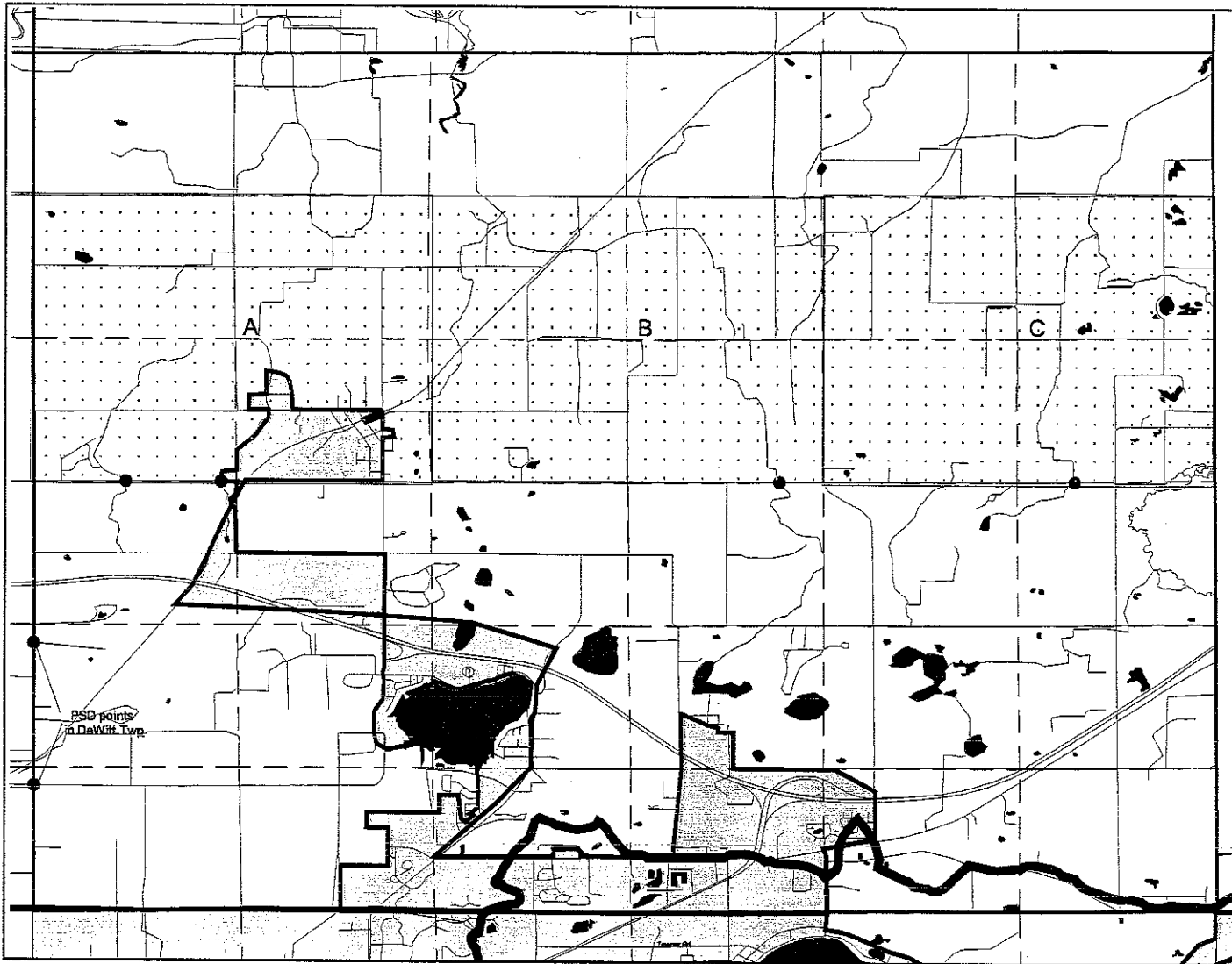
Developed as part of the Greater Lansing Regional Committee on Phase II Nonpoint Source Pollution Prevention

Base map data obtained from Tri-County Regional Planning Commission, November 2001.

# Bath Charter Township Clinton County Road Commission NPDES-Storm Sewer Point Source Discharge (PSD) Index Map



Not to Scale



PSD locations are based on best data available from the Tri-County Regional Planning Commission, the County Drain Commissioners, and the local municipalities. PSD locations will be updated as more accurate information is obtained through the implementation of the Illicit Discharge Elimination Plan.

Every point represents 4 County Road PSD's

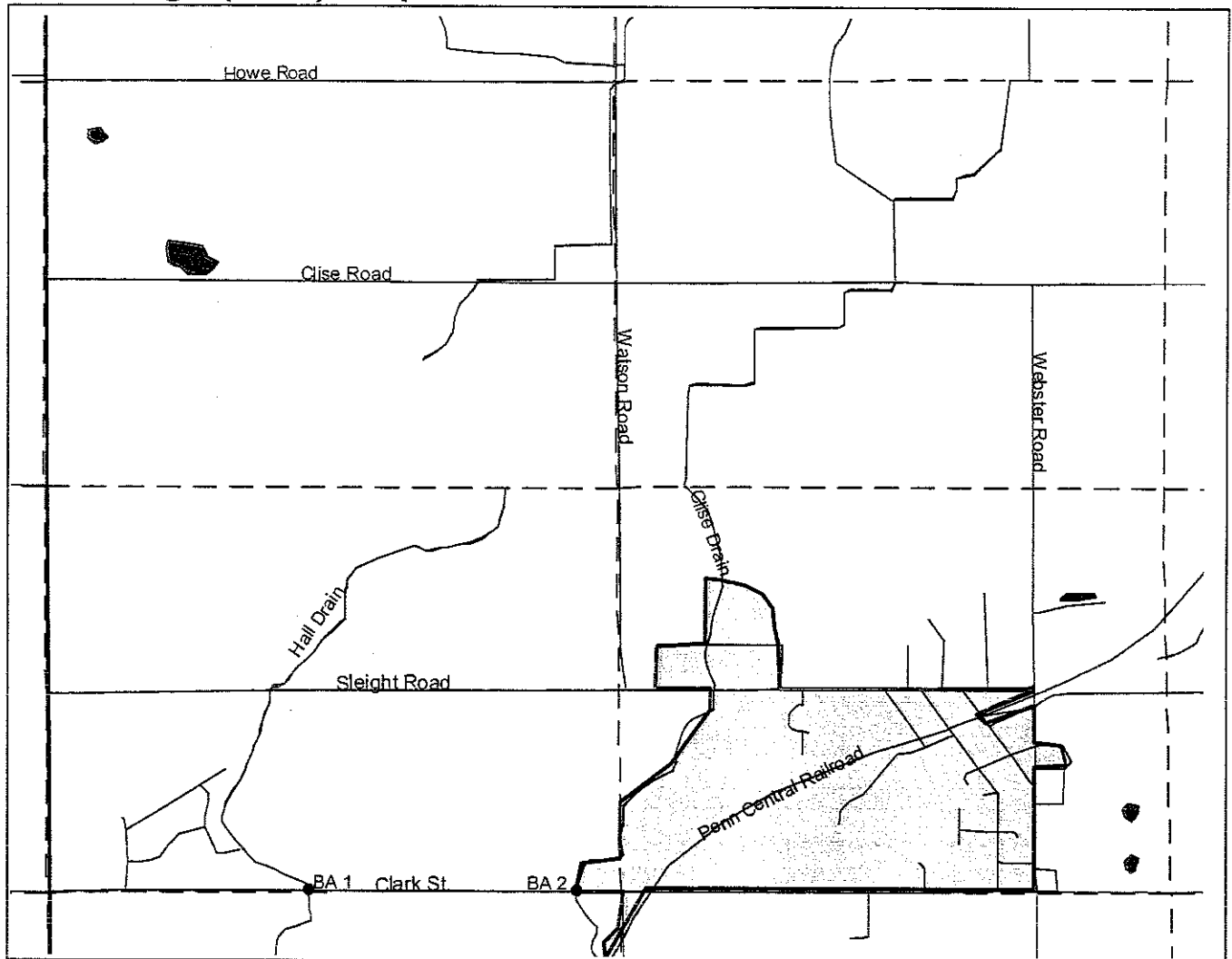
Legend			
	PSD		Lakes
	Roads		Watershed Boundary
	River/Stream		Township Boundary
	Urbanized Area		Sheet ID



Base map data obtained from Tri-County Regional Planning Commission, November 2001.

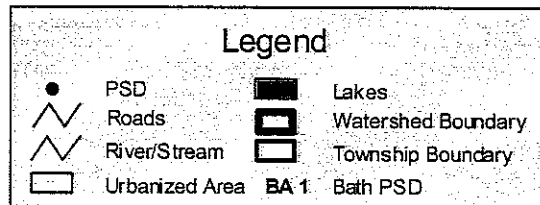
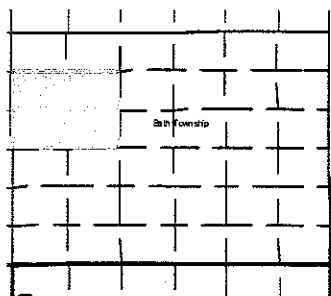
# Bath Charter Township Clinton County Road Commission NPDES-Storm Sewer Point Source Discharge (PSD) Map

Sheet A

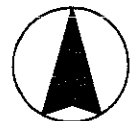


Every point represents 4 County Road PSD's

PSD locations are based on best data available from the Tri-County Regional Planning Commission, the County Drain Commissioners, and the local municipalities. PSD locations will be updated as more accurate information is obtained through the implementation of the Illicit Discharge Elimination Plan.



PSD Ownership: Clinton County Road Commission



Not to Scale

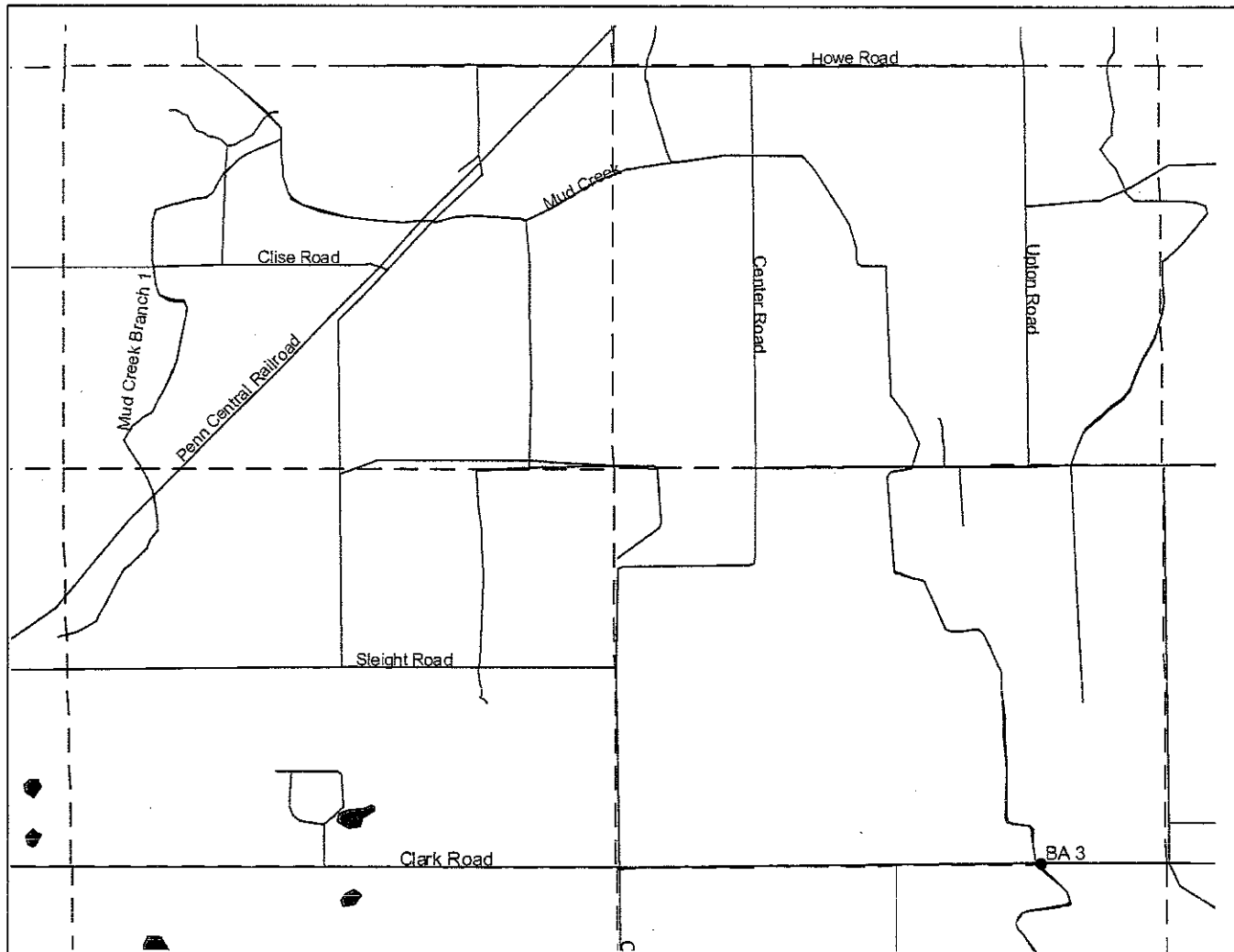


Developed as part of the Greater Lansing  
Regional Committee on Phase II  
Nonpoint Source Pollution Prevention

Base map data obtained from  
Tri-County Regional Planning  
Commission, November 2001.

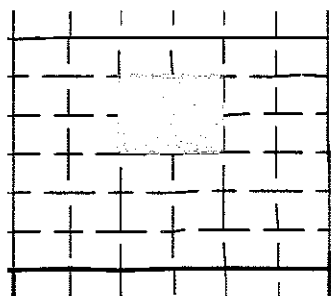
# Bath Charter Township Clinton County Road Commission NPDES-Storm Sewer Point Source Discharge (PSD) Map

Sheet B



Every point represents 4 County Road PSD's

PSD locations are based on best data available from the Tri-County Regional Planning Commission, the County Drain Commissioners, and the local municipalities. PSD locations will be updated as more accurate information is obtained through the implementation of the Illicit Discharge Elimination Plan.



**Legend**

	PSD		Lakes
	Roads		Watershed Boundary
	River/Stream		Township Boundary
	Urbanized Area		Bath PSD

PSD Ownership: Clinton County Road Commission



Not to Scale

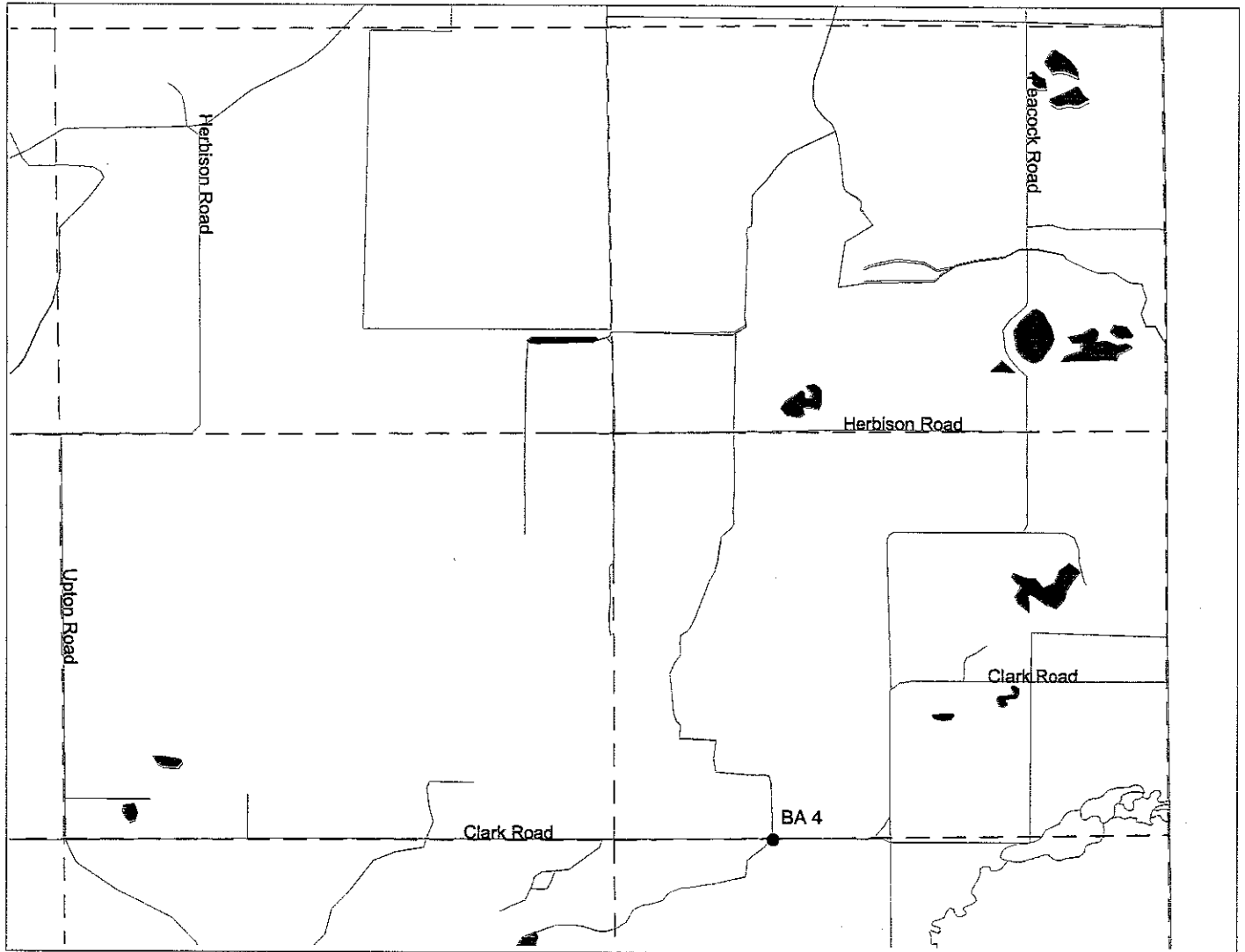


Developed as part of the Greater Lansing  
Regional Committee on Phase II  
Nonpoint Source Pollution Prevention

Base map data obtained from  
Tri-County Regional Planning  
Commission, November 2001.

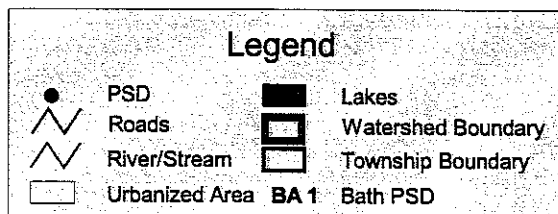
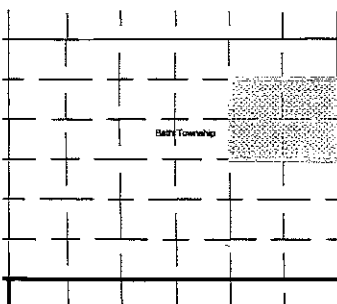
# Bath Charter Township Clinton County Road Commission NPDES-Storm Sewer Point Source Discharge (PSD) Map

Sheet C

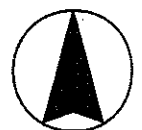


PSD locations are based on best data available from the Tri-County Regional Planning Commission, the County Drain Commissioners, and the local municipalities. PSD locations will be updated as more accurate information is obtained through the implementation of the Illicit Discharge Elimination Plan.

Every point represents 4 County Road PSD's



PSD Ownership: Clinton County Road Commission



Not to Scale



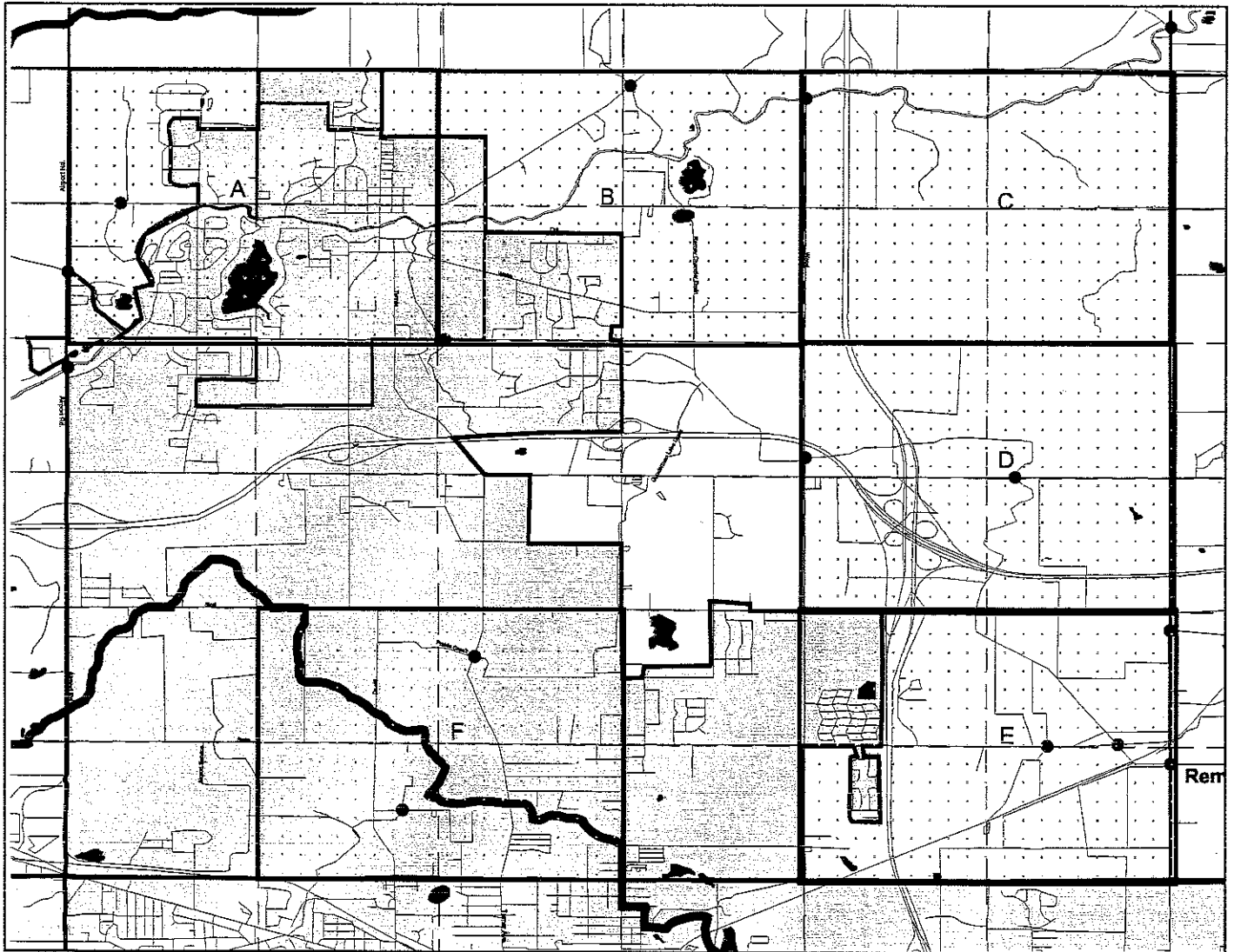
Developed as part of the Greater Lansing Regional Committee on Phase II Nonpoint Source Pollution Prevention

Base map data obtained from Tri-County Regional Planning Commission, November 2001.

# DeWitt Charter Township Clinton County Road Commission NPDES-Storm Sewer Point Source Discharge (PSD) Index Map

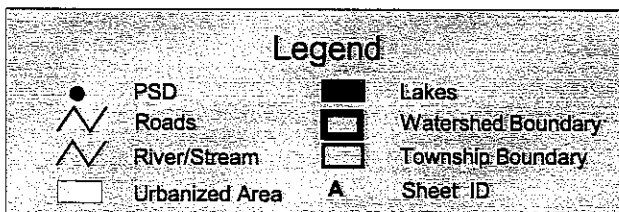


Not to Scale



Every point represents 4 County Road PSD's

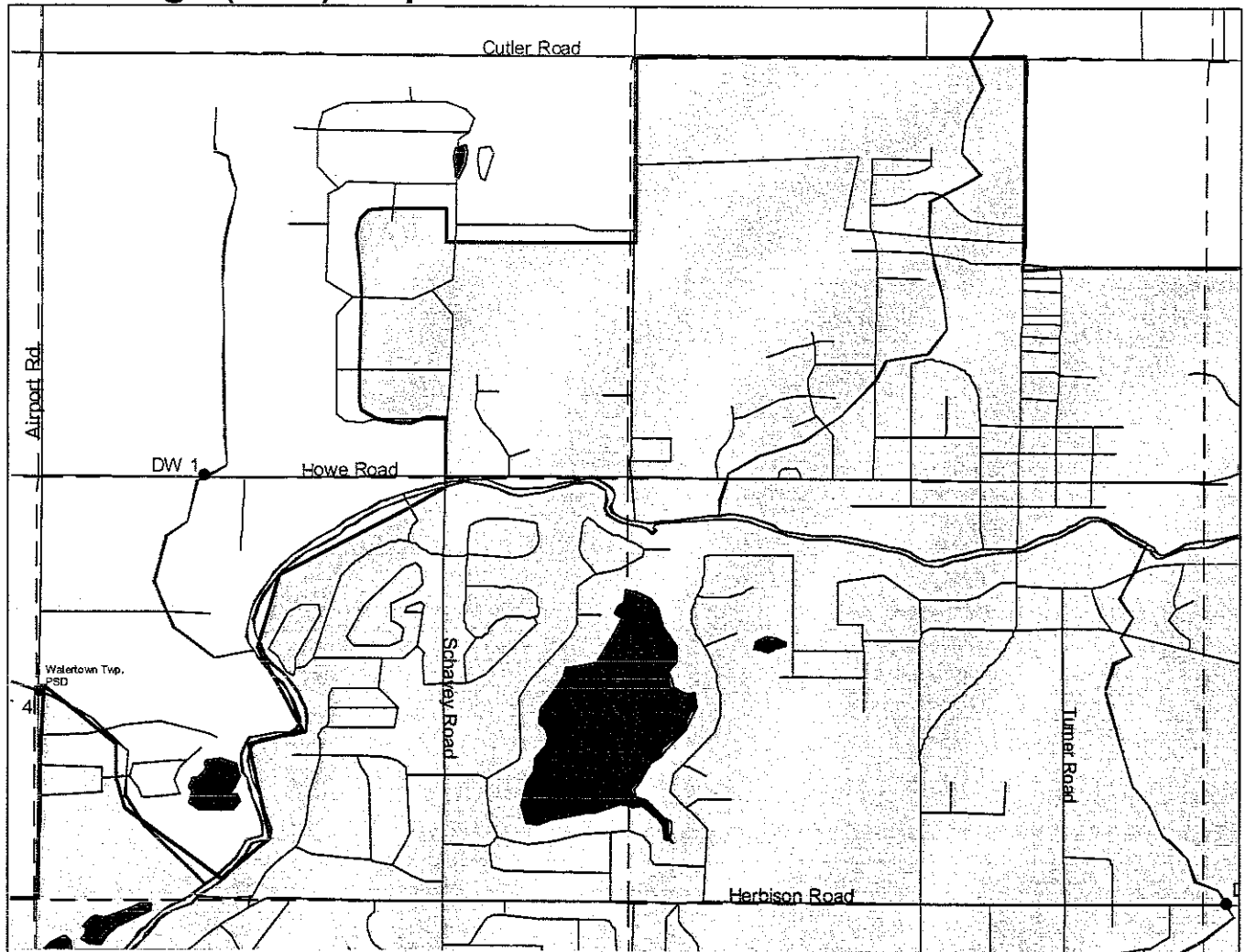
PSD locations are based on best data available from the Tri-County Regional Planning Commission, the County Drain Commissioners, and the local municipalities. PSD locations will be updated as more accurate information is obtained through the implementation of the Illicit Discharge Elimination Plan.



Base map data obtained from Tri-County Regional Planning Commission, November 2001.

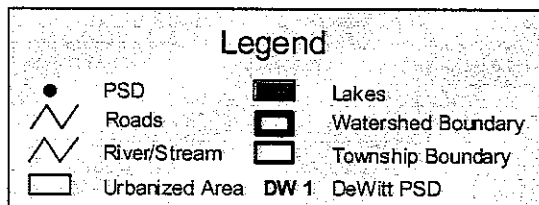
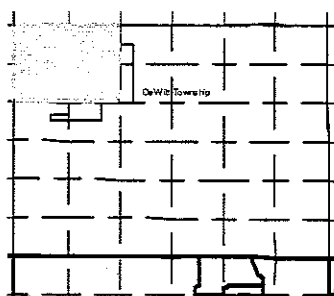
# DeWitt Charter Township Clinton County Road Commission NPDES-Storm Sewer Point Source Discharge (PSD) Map

Sheet A

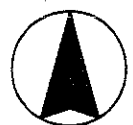


PSD locations are based on best data available from the Tri-County Regional Planning Commission, the County Drain Commissioners, and the local municipalities. PSD locations will be updated as more accurate information is obtained through the implementation of the Illicit Discharge Elimination Plan.

Every point represents 4 County Road PSD's



PSD Ownership: Clinton County Road Commission



Not to Scale

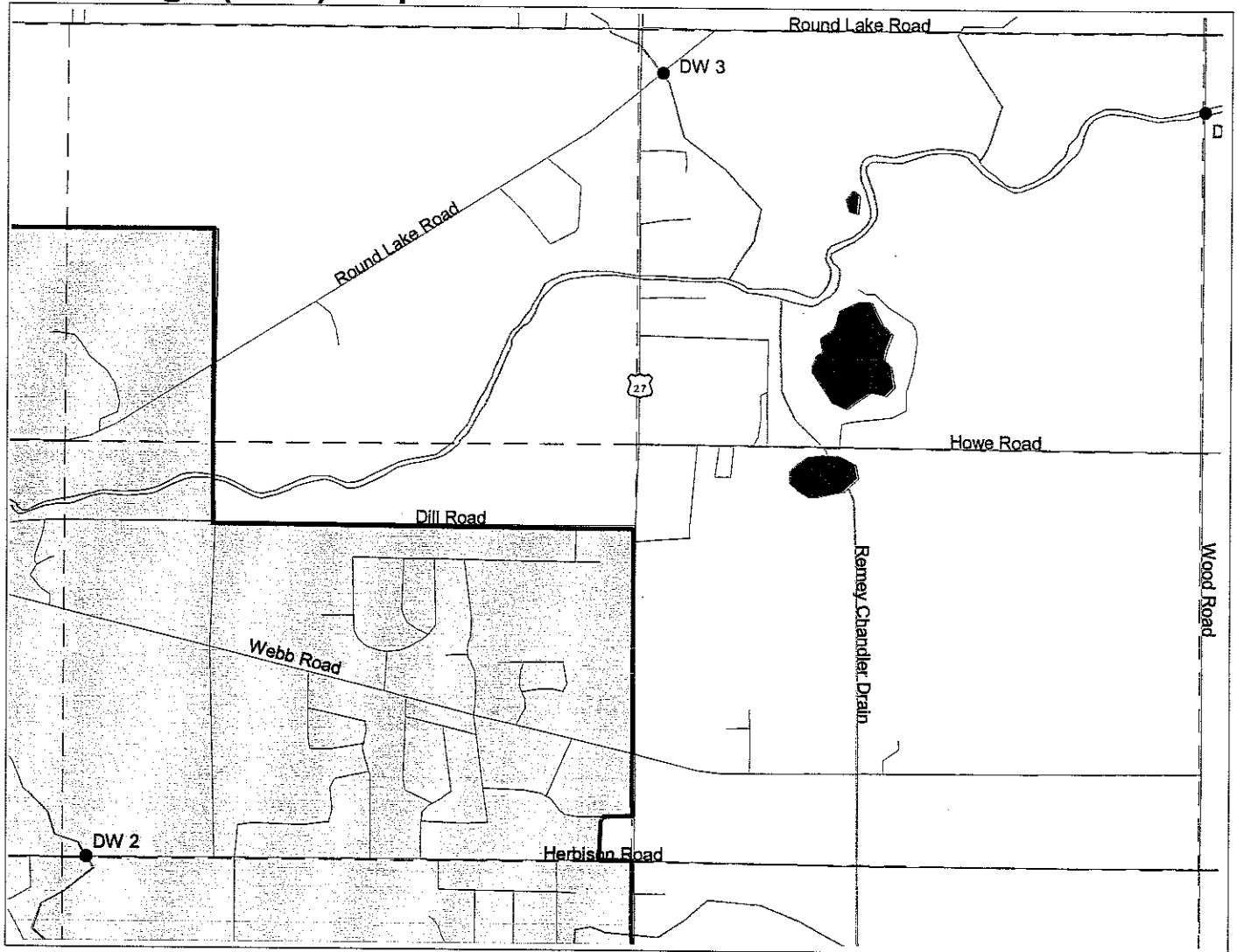


Developed as part of the Greater Lansing  
Regional Committee on Phase II  
Nonpoint Source Pollution Prevention

Base map data obtained from  
Tri-County Regional Planning  
Commission, November 2001.

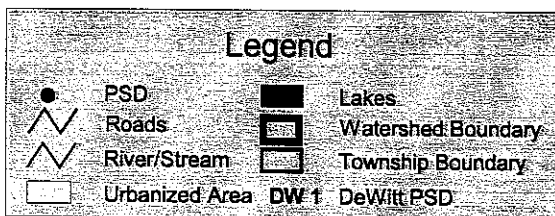
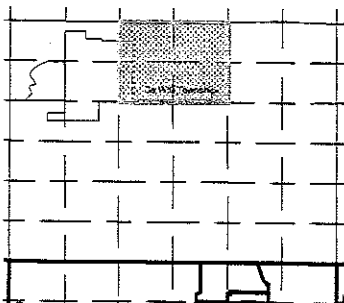
# DeWitt Charter Township Clinton County Road Commission NPDES-Storm Sewer Point Source Discharge (PSD) Map

Sheet B



PSD locations are based on best data available from the Tri-County Regional Planning Commission, the County Drain Commissioners, and the local municipalities. PSD locations will be updated as more accurate information is obtained through the implementation of the Illicit Discharge Elimination Plan.

Every point represents 4 County Road PSD's



PSD Ownership: Clinton County Road Commission



Not to Scale

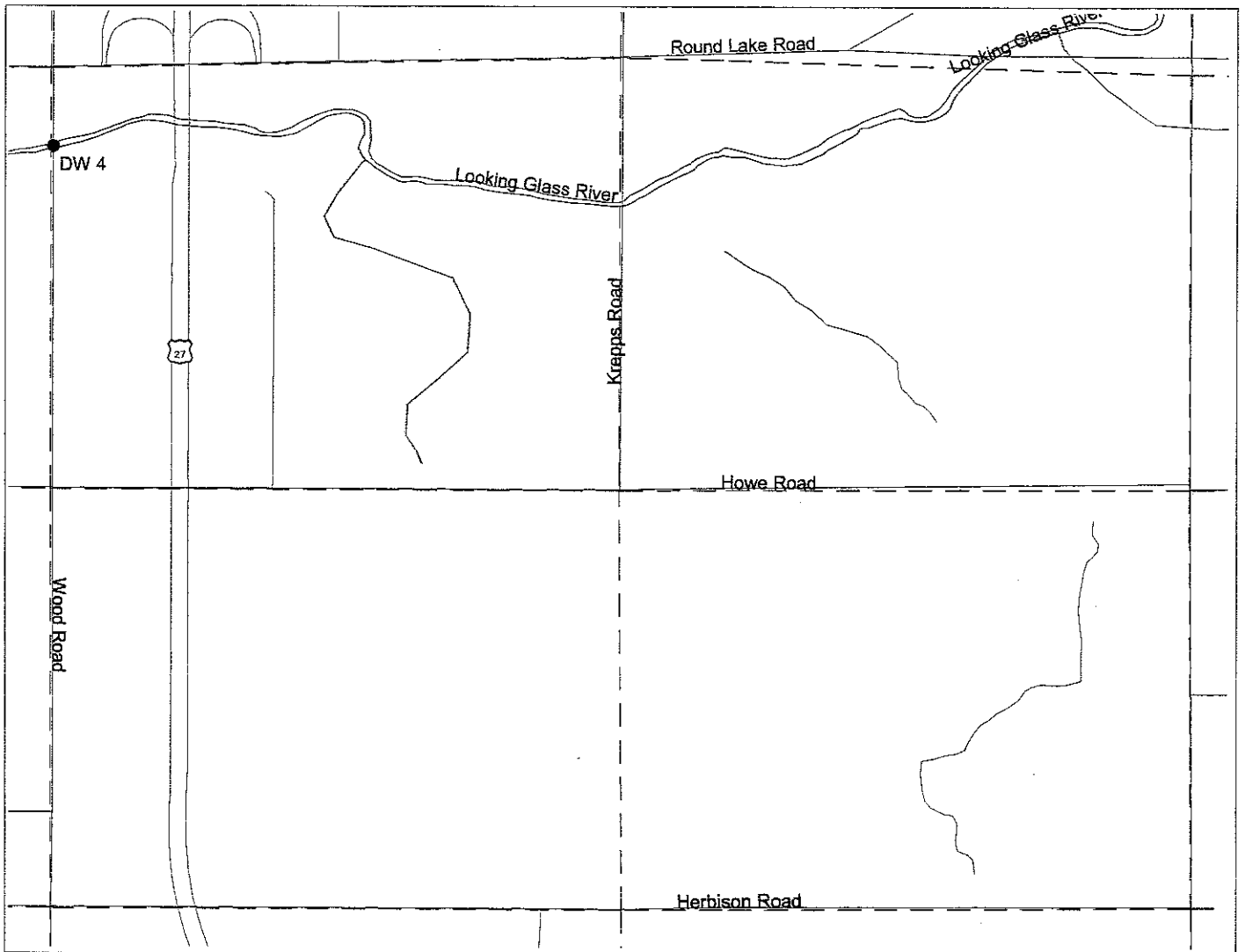


Developed as part of the Greater Lansing Regional Committee on Phase II Nonpoint Source Pollution Prevention

Base map data obtained from Tri-County Regional Planning Commission, November 2001.

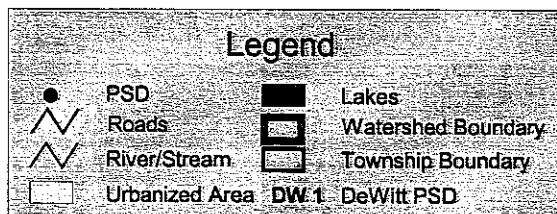
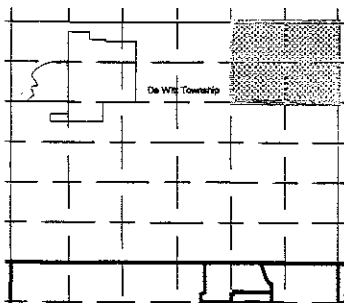
# DeWitt Charter Township Clinton County Road Commission NPDES-Storm Sewer Point Source Discharge (PSD) Map

Sheet C

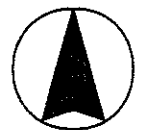


PSD locations are based on best data available from the Tri-County Regional Planning Commission, the County Drain Commissioners, and the local municipalities. PSD locations will be updated as more accurate information is obtained through the implementation of the Illicit Discharge Elimination Plan.

Every point represents 4 County Road PSD's



PSD Ownership: Clinton County Road Commission



Not to Scale

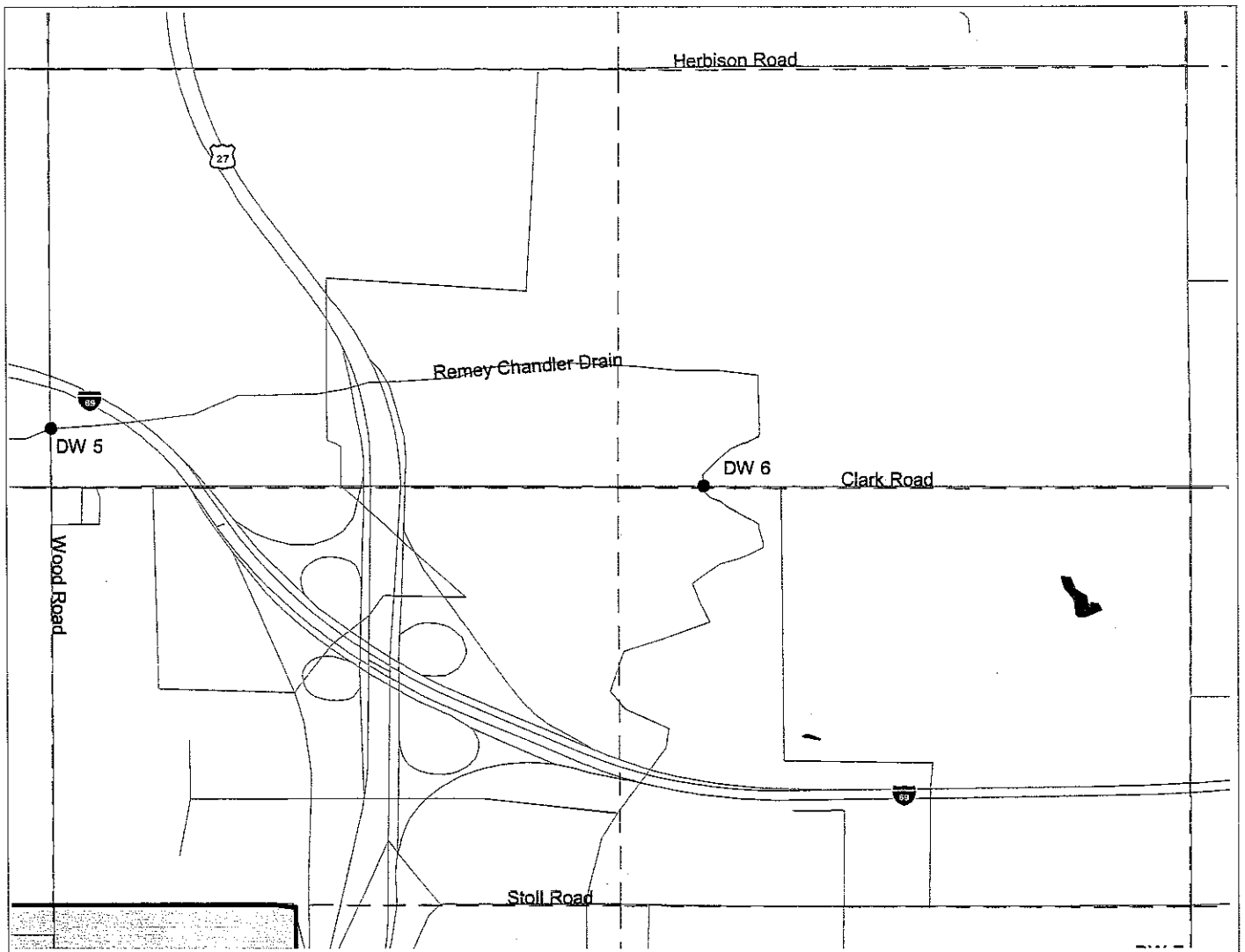


Developed as part of the Greater Lansing Regional Committee on Phase II Nonpoint Source Pollution Prevention

Base map data obtained from Tri-County Regional Planning Commission, November 2001.

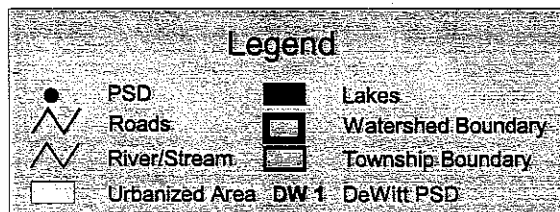
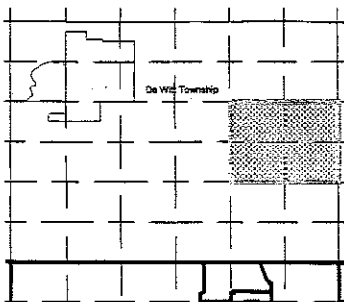
# DeWitt Charter Township Clinton County Road Commission NPDES-Storm Sewer Point Source Discharge (PSD) Map

Sheet D



PSD locations are based on best data available from the Tri-County Regional Planning Commission, the County Drain Commissioners, and the local municipalities. PSD locations will be updated as more accurate information is obtained through the implementation of the Illicit Discharge Elimination Plan.

Every point represents 4 County Road PSD's



PSD Ownership: Clinton County Road Commission



Not to Scale

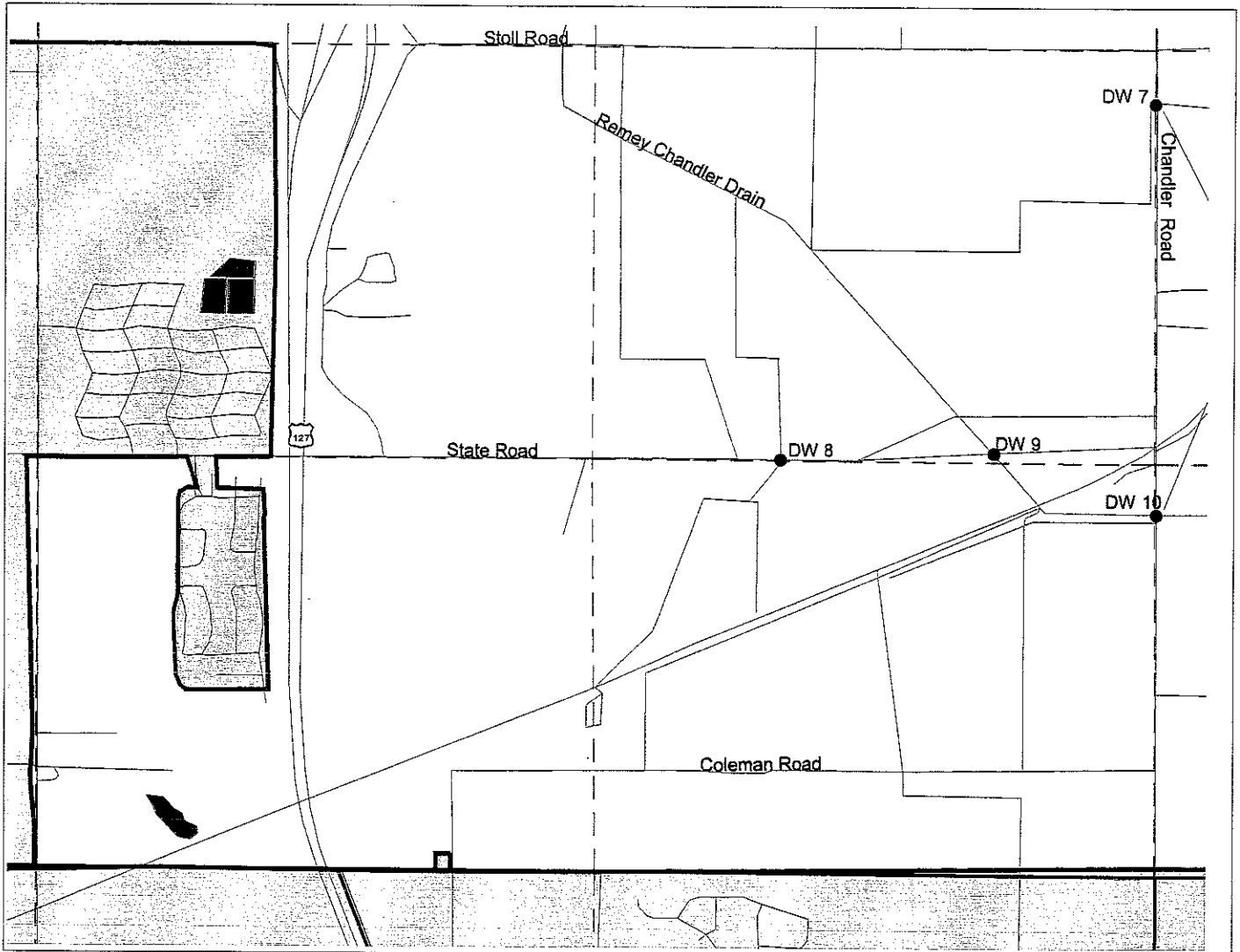


Developed as part of the Greater Lansing Regional Committee on Phase II Nonpoint Source Pollution Prevention

Base map data obtained from Tri-County Regional Planning Commission, November 2001.

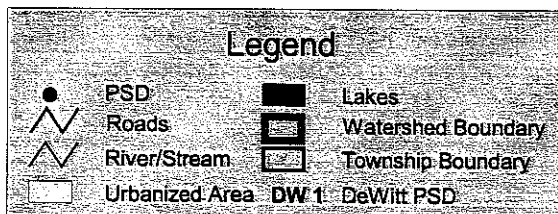
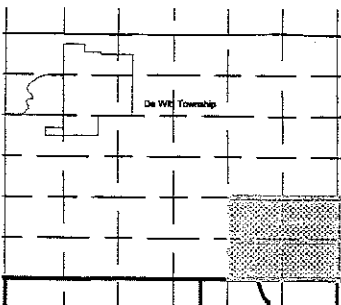
# DeWitt Charter Township Clinton County Road Commission NPDES-Storm Sewer Point Source Discharge (PSD) Map

Sheet E



PSD locations are based on best data available from the Tri-County Regional Planning Commission, the County Drain Commissioners, and the local municipalities. PSD locations will be updated as more accurate information is obtained through the implementation of the Illicit Discharge Elimination Plan.

Every point represents 4 County Road PSD's



PSD Ownership: Clinton County Road Commission



Not to Scale

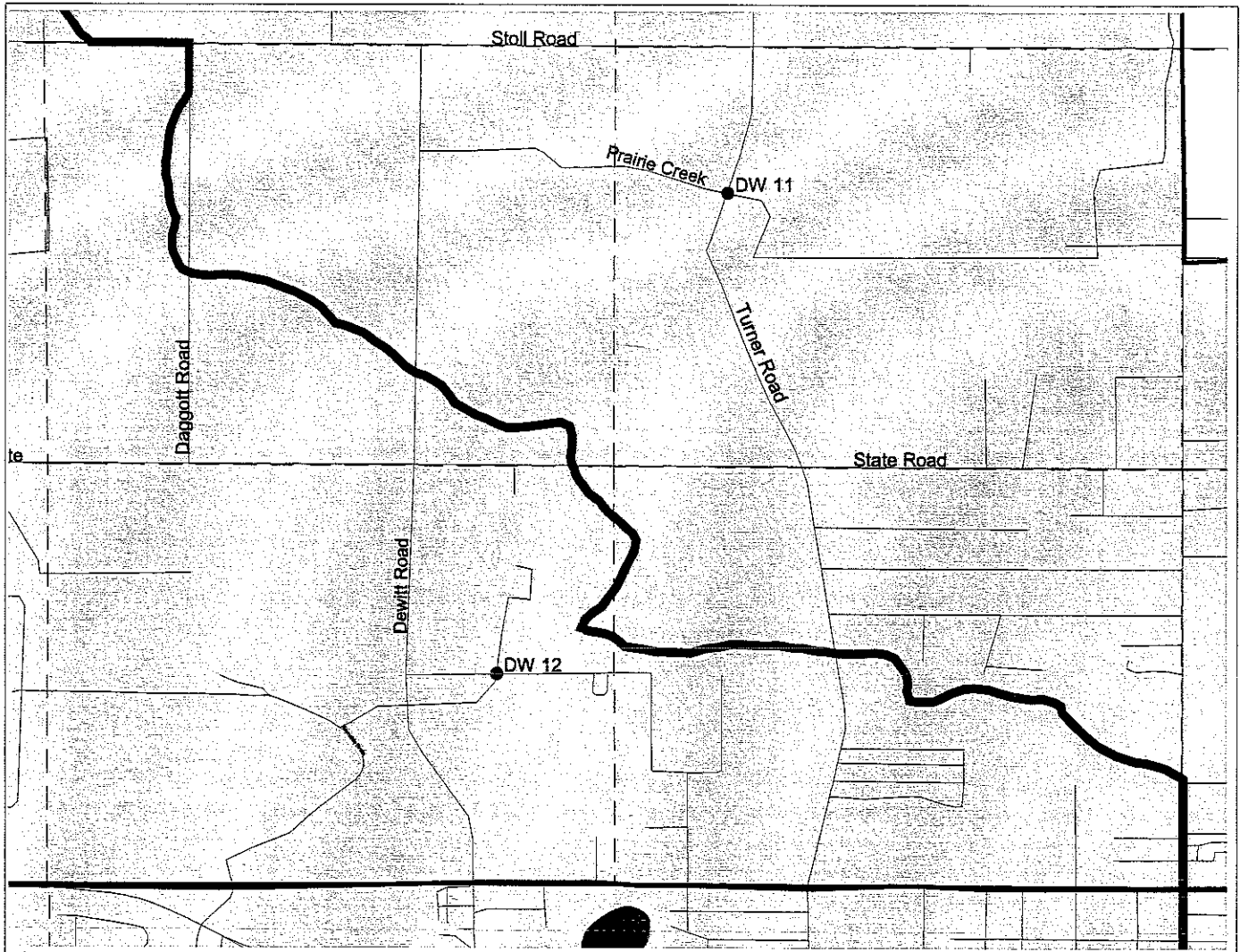


Developed as part of the Greater Lansing Regional Committee on Phase II Nonpoint Source Pollution Prevention

Base map data obtained from Tri-County Regional Planning Commission, November 2001.

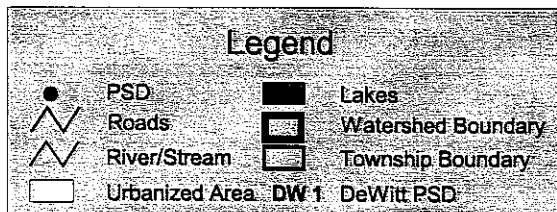
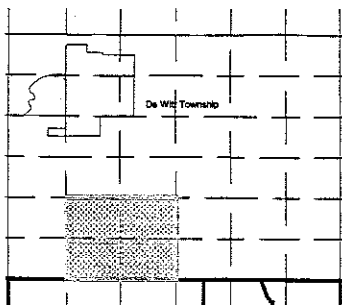
# DeWitt Charter Township Clinton County Road Commission NPDES-Storm Sewer Point Source Discharge (PSD) Map

Sheet F

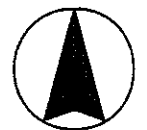


PSD locations are based on best data available from the Tri-County Regional Planning Commission, the County Drain Commissioners, and the local municipalities. PSD locations will be updated as more accurate information is obtained through the implementation of the Illicit Discharge Elimination Plan.

Every point represents 4 County Road PSD's



PSD Ownership: Clinton County Road Commission



Not to Scale



Developed as part of the Greater Lansing Regional Committee on Phase II Nonpoint Source Pollution Prevention

Base map data obtained from Tri-County Regional Planning Commission, November 2001.