

County Engineers Workshop

February 5, 2015

Jerry Fulcher

MDEQ

Topics

- **New DEQ Database- MiWaters**
- **New MP/GP Category**
- **Handout of Federal T&E Species**
- **Other Issues**

MiWaters

- **A new Database that will replace 25+ existing databases within Water Resources Division (some over 30 years old)**
- **Expect to serve 15,000 users**
- **Consultants started work in June 2013**

MiWaters

Includes 5 permitting programs

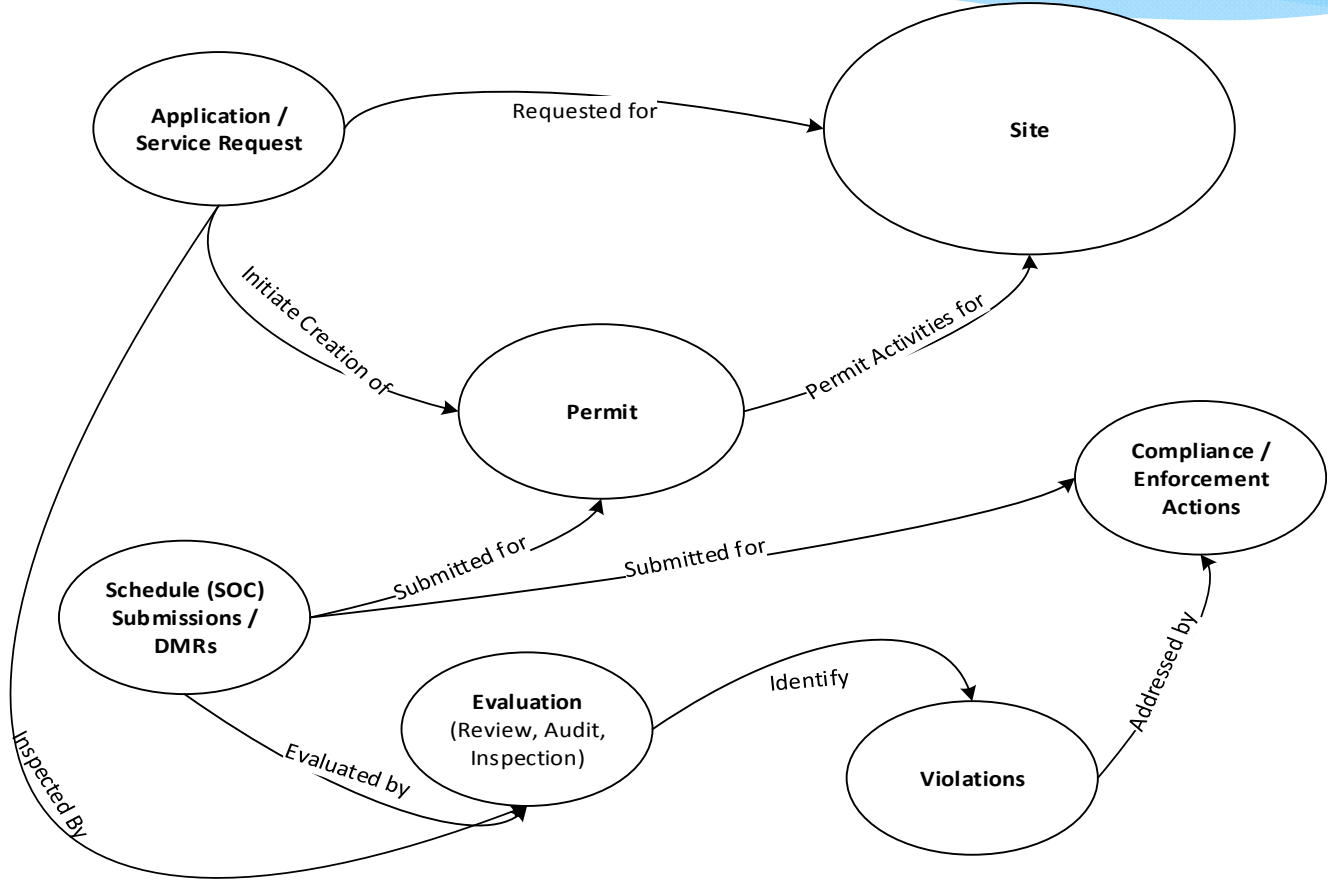
- * National Pollutant Discharge Elimination System (NPDES)
 - * Groundwater Discharge
 - * Part 41 Construction
 - * Aquatic Nuisance Control (ANC)
 - * Land/Water Interface (Wetland)
-
- * **MiWaters will have separate forms/instructions based on the specific program area**

MiWaters

How does it impact DEQ?

- * Replaces many aging systems that do not meet today's needs.
- * Provides a consistent method for processing applications/permits, inspections, violations, compliance/enforcement, complaint responses.
- * Streamlines data collection.
- * Lets us put more data on the Web for public access.
- * Helps us transfer data meet EPA's e-reporting rule.
- * Maintain historic data.

MiWaters Functional Overview



MiWaters

How will it impact permittees? You will have the ability to:

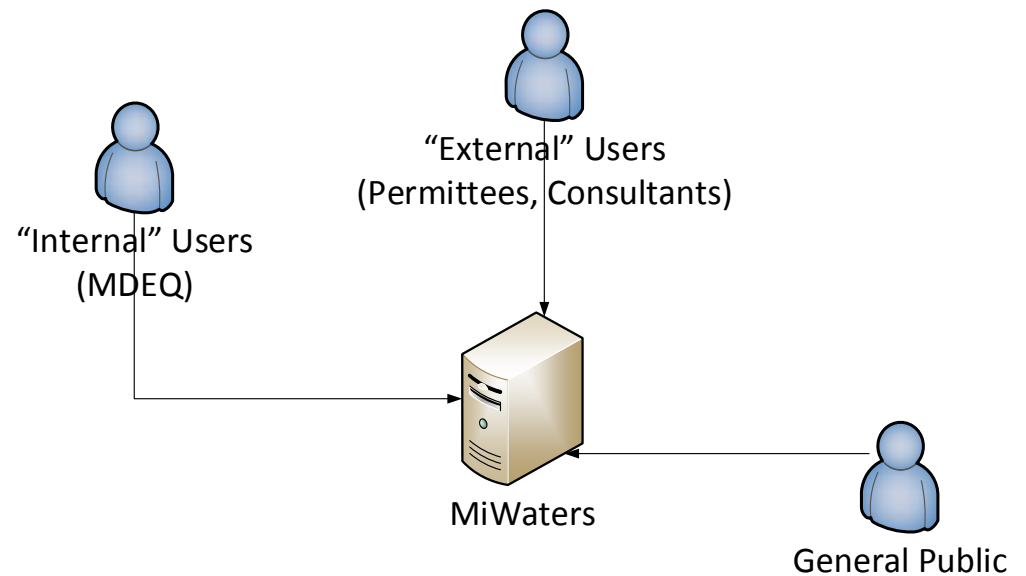
- * Manage your accounts.
- * Submit applications electronically, follow the change in status.
- * Submit required reports electronically.
- * Be reminded of upcoming schedules of compliance.
- * Have access to historic submissions (applications, reports, etc.).
- * Be able to view violations.

Unique Features

- Mapping function to locate site, lat/long
- GIS capabilities to bring up various data layers for that site
- Ability to submit on-line
- Receive email notifications of due dates, ie monitoring reports other milestones
- Ability to do inspections on tablets and upload to database
- Ability of applicant and public to track progress on line

MiWaters Functional Overview

- * **Web-Based Solution**
- * **Accessed by**
 - * **MDEQ WRD Staff**
 - * **Registered “External” Users**
 - * **General Public**



MiWaters - Home - Windows Internet Explorer

http://miwaters.windsorsolutions.biz/beta/#/external/home

Michigan Legislature - Bills internal forms and templates http--inside.michigan.gov-d... MiWaters - Home nSpect JIRA Fleet Manager deq internet US EPA Clean Water Act 40th Anni...

Home About Contact Sign In MI.gov

DEQ MiWaters Water Resources Information and Forms

Home

Public Notices

Data Explorer

Report an Incident

Create a MiWaters Account to create and manage requests, permit applications, and reporting requirements

CREATE AN ACCOUNT

SIGN IN WITH AN EXISTING ACCOUNT

View Public Notices Find Permits and Applications that are in Public Notice

SEARCH PUBLIC NOTICES

Explore Public Info Find information regarding permits issued by DEQ




DATA EXPLORER

The image shows a web browser window with the following elements:

- Browser Address Bar:** <http://miwaters.windsorsolutions.biz/beta/#/site/home/notificatic>
- Page Header:** Home, About, Contact, Sign Out, MI.gov
- Navigation Bar:** DEQ, MiWaters, Water Resources Information and Forms
- Left Sidebar:**
 - (All Sites)
 - My Notifications
 - Browse Forms** (indicated by a red arrow)
 - Applications Log
 - Permits
 - Compliance and Enforcement
 - Violations
 - Financials
 - Documents Log
 - Service Requests Log
 - Schedules - Available
- Main Content Area:**
 - Notifications
 - Unread, Read, Trash
 - Message, Date Recieved
 - No notifications

- (All Sites)
- My Notifications
- Browse Forms
- Applications Log
- Permits
- Compliance and Enforcement
- Violations
- Financials
- Documents Log
- Service Requests Log
- Schedules - Available

Browse Forms

Application	Wetland Identification Application	N/A	07/19/2014	
Service Request	Service Request: Flood Flow Discharge Request	N/A	07/17/2014	
Service Request	Service Request: Low Flow Discharge Request	N/A	07/15/2014	
Application	Application For SubDivisions and Condominiums Plat Review	N/A	07/11/2014	
Application	Pre-Application Meeting Request Part 301 (Inland Lakes and Streams), Part 303 (Wetlands Protection)	N/A	07/11/2014	
Service Request	Service Request: Floodplain Elevation Calculation Request	N/A	07/11/2014	
Service Request	Service Request: Voluntary Transportation Preliminary Review Guidance	N/A	07/11/2014	
Application	MDEQ/USACE Joint Permit Application	N/A	01/27/2015	

This step allows you to fill out the form and to validate the information provided. The form is divided into separate sections as listed on the left. Please fill out each relevant section.

The indicators next to the sections names on the left denote the validity of each section. A red X indicates the section has an omission or invalid value. A yellow star indicates that the section has not yet been visited. A green check indicates a complete section.

Once the form is complete and all sections show a green check, click on the 'Next Step' button to proceed.

Please note: Any work you perform filling out a form will not be accessible by MDEQ staff or the public until you actually submit the form in the 'Certify & Submit' step. At the time of submission, it will be transmitted to MDEQ and it will become part of the public record.

A red asterisk denotes a required field.

Form Sections

- ★ 1 Applicant Information
- ★ 2 Project Location information
- ★ 3 Owner/Agent

MDEQ/USACE Joint Permit Application

version 1.0

(Submission #: 244-B1G9-5XB4, revision 1)

1 Applicant Information

clear section

Applicant

Prefix: First Name: Last Name:

Title: Company Name:

Phone: Ext.: Fax:

Email *

Address Line 1 or Location (if a street address is not available, please provide directions)

- 2 Project Location information
- 3 Owner/Agent Information
- 4 Project Description
- 5 Project Purpose, Use and Alternatives
- 6 Additional project/site info
- 7 Easement and Other Permits
- 8 Compliance
- 9 Adjacent Property Owners

Actions

Manage Access to Submission

Click Find Me and authorize browser to try to identify your location (verify location on map below)

Find Me

Address

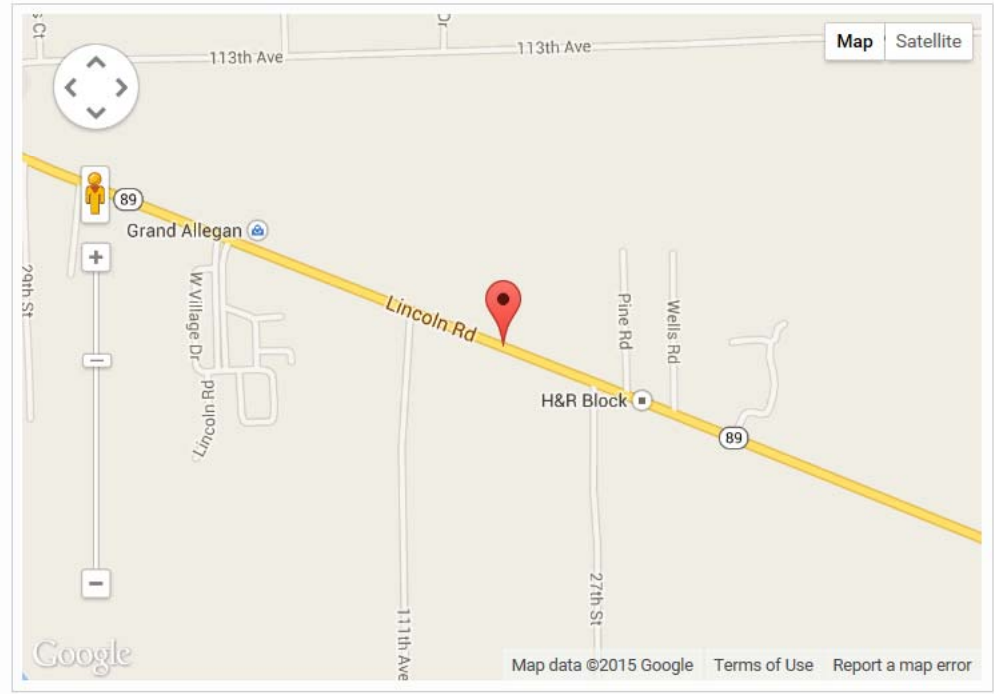
Enter an address and click Find to identify location (verify location on map below)

1308 Lincoln Road, Allegan, MI 49010, USA

Find

Map

Drag marker on map to identify location



Property Tax Identification Number(s)

- 2 Project Location information
- 3 Owner/Agent Information
- 4 Project Description
- 5 Project Purpose, Use and Alternatives
- 6 Additional project/site info
- 7 Easement and Other Permits
- 8 Compliance
- 9 Adjacent Property Owners

Actions

Manage Access to Submission

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Address

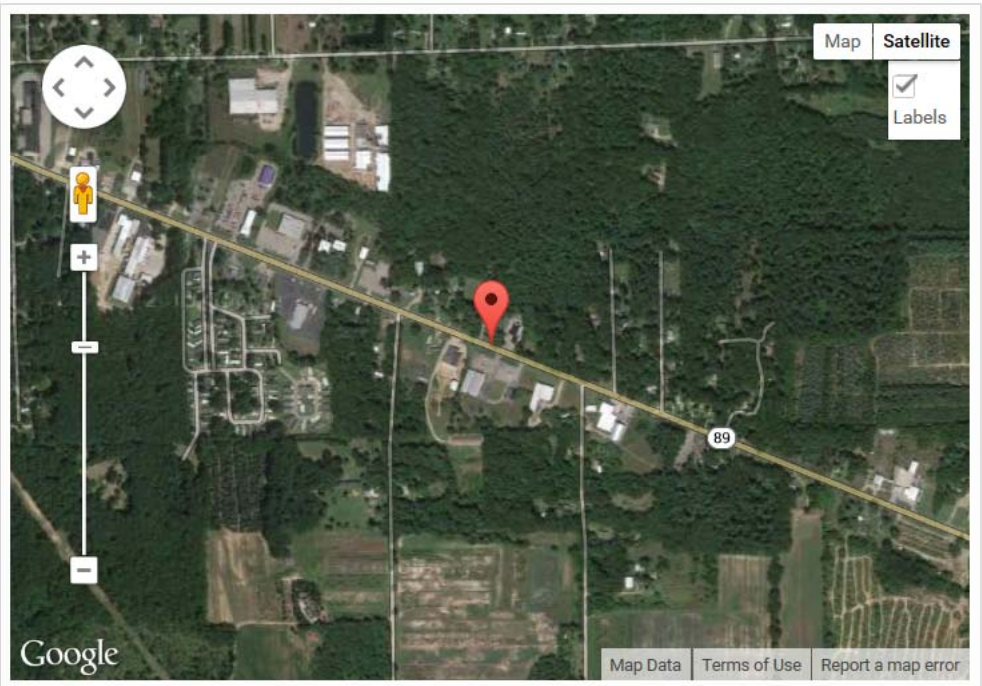
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Map

Drag marker on map to identify location

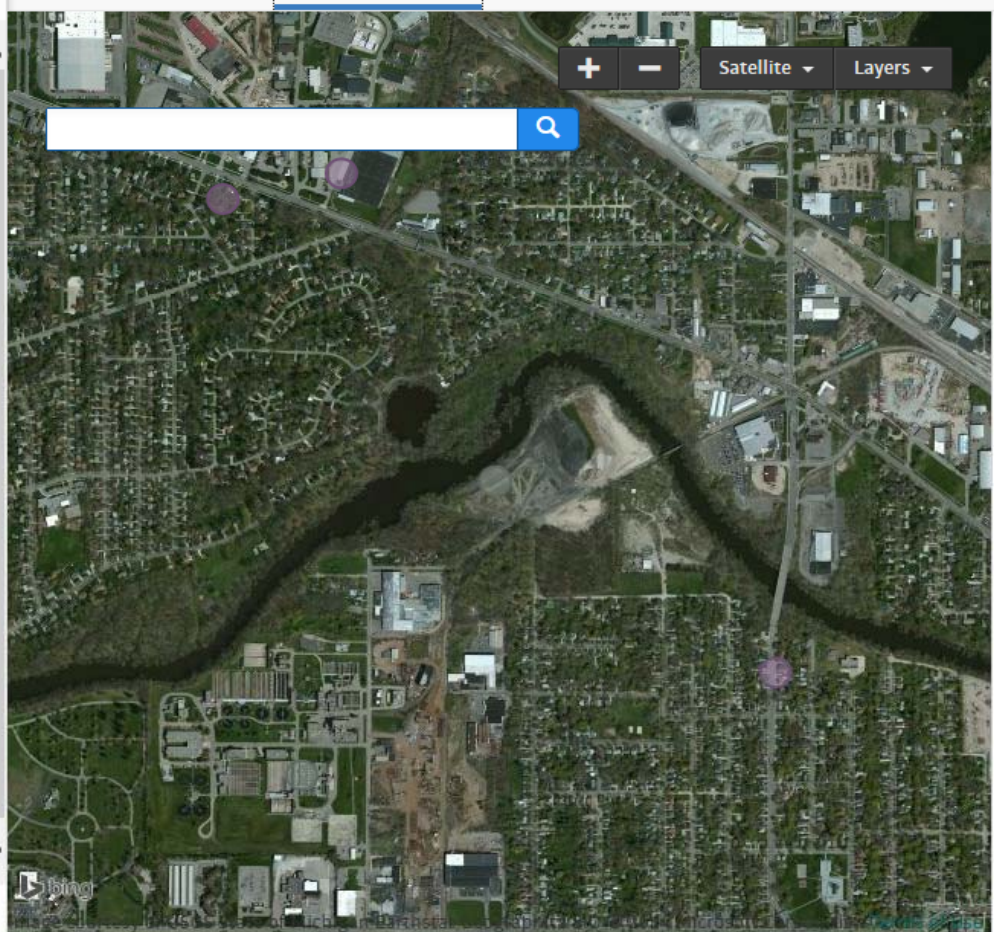


Property Tax Identification Number(s)

Site Details

Site
Lansing WWTP
20235

- Site Details
- Site Plan
- Contacts
- Documents
- Events
- Program Components



Existing Features

Add New

On Map

- NPD** 20235 - NPDES Unknown Type
- NPD** NMS Facility Location 20235 - Lansing WWTP NPDES Unknown Type
- OUT** 001 - Grand River Outfall
- OUT** 002 - Grand River Outfall
- OUT** 003 - Grand River Outfall

Lansing WWTP

- My Notifications
- Site Details
- Browse Forms
- Applications Log
- Permits
- Compliance
- Violations
- Financials
- Documents Log
- Service Requests Log
- DMRs
- Schedules - Available
- Schedules - Submitted
- Authorized Users

MiWaters - Status

- * We are in Release 8 (of 10 releases)
- * We just started our internal user experience testing
- * We will begin user acceptance testing in March or April 2015
- * Launch is planned for June 22, 2015 (85% release)
- * More features will be released in September 2015
- * You will still be able to submit paper copies and not use MiWaters

TJD1

Slide 17

TJD1

What does this stand for?

Devereaux, Tracy Jo (DEQ), 1/20/2015

MiWaters

We established a webpage for updating the public on MiWaters: www.mi.gov/deqwater then click on MiWaters under “Announcements”



- About the DEQ
- Air
- Key Topics
- Land
- News and Events
- Waste
- Water
- Aquatic Invasive Species
- Biosolids & Industrial Pretreatment
- Campgrounds and Pools
- Drinking Water
- Enbridge Oil Spill
- Great Lakes
- Groundwater Discharge
- Groundwater Modeling
- Inland Lakes & Streams
- On Site Wastewater

DEQ > WATER

MICHIGAN'S WATER

Our water quality programs protect our most precious resource!

Department of Environmental Quality Water Programs establish water quality standards, assess water quality, provide regulatory oversight for all public water supplies, issue permits to regulate the discharge of industrial and municipal wastewaters, monitor State Water resources for water quality, the quantity and quality of aquatic habitat, the health of aquatic communities, and compliance with state laws.

Announcements

- [MiWaters](#)
MiWaters will be a state-of-the-art, comprehensive, Web-based permitting and compliance database.
- [Grand Haven harbor dredging - 401 certification](#) PDF
- [Brown Bridge Dam Failure Report](#)
Report on the Root Cause Analysis of the October 6, 2012, Failure Incident at Brown Bridge Dam – Temporary Dewatering Structure
- [Free MiWARN Seminar and Tabletop Exercise Wednesday, June 4, 2014](#) PDF
- [401 Certification for Sebewaing Harbor](#) PDF
- [2014 - Draft Holland - Section 401 Certification](#) PDF
- [Water and Wastewater Asset Management Training Materials](#)
- [Water Resource Division Metrics](#)
- [Water Quality and Pollution Control in Michigan Sections 303\(d\), 305\(b\), and 314 Integrated Report](#)

Spotlight

- [AIS of the Week](#)
- [Water Resources Division home page](#)
- [Nutrient Framework to Reduce Phosphorus](#)

Featured Online Services

- [Beach Monitoring System](#)
- [Coastal and Inland Waters Permit Information System \(CIWPIS\)](#)



Quick Links

- [Water Withdrawal Assessment Tool](#)
- [Total Maximum Daily Load \(TMDL\) Assessments](#)
- [MDEQ/USACE Joint Permit Application](#)
- [Drinking Water Revolving Fund](#)
- [Annual Wastewater Reporting](#)
- [Clean Water State Revolving Fund](#)
- [Operator Training and Certification](#)
- [Groundwater Discharge](#)



Sign up for email from the DEQ!

Proposed New Minor Project Category-Paths

- **Intended for: public agencies, using some transportation funds**
 - **Sidewalks 5 feet or less**
 - **Bike paths 6 feet or less**
 - **Non-motorized paths, boardwalks 10 feet or less**
 - **Wetland Impacts 0.1 acres or less**
 - **Comments due by 3/20/2015**

www.michigan.gov/wetlands

The screenshot shows a web browser window displaying the Michigan Department of Environmental Quality (DEQ) website. The address bar shows the URL: http://www.michigan.gov/deq/0,1607,7-135-3313_3687---,00.htm. The browser title is "DEQ - Wetlands Pro...". The website header includes navigation links: DEQ, Contacts, Permits, Online Services, Programs, Locations, and MI.gov. The main navigation bar features the DEQ logo and the text "Department of Environmental Quality". A search bar is located on the right side of the header. The left sidebar contains a menu with categories: About the DEQ, Air, Key Topics, Land, News and Events, Waste, Water, Aquatic Invasive Species, Biosolids & Industrial Pretreatment, Campgrounds and Pools, Drinking Water, Enbridge Oil Spill, Great Lakes, and Groundwater. The main content area is titled "Wetlands Protection" and includes a breadcrumb trail: DEQ > WATER > WETLANDS PROTECTION. The text describes Michigan's wetland statute, Part 303, Wetlands Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, defining a wetland as "land characterized by the presence of water at a frequency and duration sufficient to support, and that under normal circumstances does support, wetland vegetation or aquatic life, and is commonly referred to as a bog, swamp, or marsh." The definition applies to public and private lands regardless of zoning or ownership. This page can be accessed as www.mi.gov/wetlands. A map of Michigan is shown to the right of the text. The "Information" section lists several links: Public Notice for Minor Project Categories January 2015 (PDF), General Permit Categories (PDF), Minor Project Categories (PDF), Wetland Mitigation Banking Fund Program, What are wetlands and why are they important?, Are there wetlands on my property?, How are wetlands identified?, and State and Federal Wetland Regulations. The right sidebar contains "Quick Links" such as Contact Information for Wetlands Protection, Conservation Easement Checklist, Financial Assurance Model Language, Conservation Easement Model, Wetland Assessment Application, and Wetland Consultants List. There are also social media icons for email, Facebook, and Twitter, and a "Follow us on Twitter" button. A "Sign up for email from the DEQ!" button is also present. A red arrow points to the "Public Notice for Minor Project Categories January 2015 (PDF)" link.

DEQ Department of Environmental Quality

DEQ > WATER > WETLANDS PROTECTION

Wetlands Protection

Protecting Michigan's Wetlands

Michigan's wetland statute, Part 303, Wetlands Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, defines a wetland as "land characterized by the presence of water at a frequency and duration sufficient to support, and that under normal circumstances does support, wetland vegetation or aquatic life, and is commonly referred to as a bog, swamp, or marsh." The definition applies to public and private lands regardless of zoning or ownership. This page can be accessed as www.mi.gov/wetlands.

Information


- [Public Notice for Minor Project Categories January 2015](#) PDF
- [General Permit Categories](#) PDF
- [Minor Project Categories](#) PDF
- [Wetland Mitigation Banking Fund Program](#)
- [What are wetlands and why are they important?](#)
- [Are there wetlands on my property?](#)
- [How are wetlands identified?](#)
- [State and Federal Wetland Regulations](#)

Quick Links

- [Contact Information for Wetlands Protection](#)
- [Conservation Easement Checklist](#)
- [Financial Assurance Model Language](#)
- [Conservation Easement Model](#)
- [Wetland Assessment Application](#)
- [Wetland Consultants List](#)

Follow us on Twitter

Sign up for email from the DEQ!



**I thought I applied for a minor project. How
come it was public noticed?**

Subdivision/Plat and Lot Number	Longitude - _____ W	Sec _____ OR Private Claim # _____
---------------------------------	------------------------	---------------------------------------

2 Applicant and Agent Information

Owner/Applicant (individual or corporate name)			Agent/Contractor (firm name and contact person)		
Mailing Address			Mailing Address		
City	State	Zip Code	City	State	Zip Code
Contact Phone Number	Fax		Contact Phone Number	Fax	
Email			E-mail		
<input type="checkbox"/> No <input type="checkbox"/> Yes Is the applicant the sole owner of all property on which this project is to be constructed and all property involved or impacted by this project? ➔ If no, attach letter(s) of authorization from all property owners including the owner of the disposal site.					
Property Owner's Name (If different from applicant)			Mailing Address		
Contact Phone Number			City	State	Zip Code

3 Project Description

Project Name	Preapplication File Number	- - -P
Name of Water body	Date project staked/flagged	
The proposed project is on, within, or involves (check all that apply)		Project Use
<input type="checkbox"/> an inland lake (5 acres or more)	<input type="checkbox"/> a Great Lake or Section 10 Waters	<input type="checkbox"/> private
<input type="checkbox"/> a pond (less than 5 acres)	<input type="checkbox"/> a wetland	<input type="checkbox"/> commercial
<input type="checkbox"/> a stream, river, ditch or drain	<input type="checkbox"/> a 100-year floodplain	<input type="checkbox"/> public/government
<input type="checkbox"/> a legally established County Drain	<input type="checkbox"/> a dam	<input type="checkbox"/> project is receiving federal/state transportation funds
<input type="checkbox"/> Date Drain was established	<input type="checkbox"/> a designated high risk erosion area	<input type="checkbox"/> Wetland Restoration
<input type="checkbox"/> a channel/canal	<input type="checkbox"/> a designated critical dune area	<input type="checkbox"/> other
<input type="checkbox"/> 500 feet of an existing water body	<input type="checkbox"/> a designated environmental area	
Indicate the type of permit being applied for: <input type="checkbox"/> General Permit <input type="checkbox"/> Minor Project <input type="checkbox"/> Individual (All other projects.) ➔ See Appendix C.		

Written Summary of All Proposed Activities



Transportation Related Categories

General Permit Categories

- Clear Span Bridge
- Small Culverts
- Culvert Clean Outs
- Bridge/Culvert extensions ≤ 24 feet (can't be perched)
- Culvert end sections, headwall, wingwall replacements

Minor Project Categories

- Large Culverts/bridges, Wetland Equalizer Culverts
- Wetland fills $< 1/3$ acre per complex, 1 acre per project (mitigation required if over 0.1 acre)
- Riprap Scour Protection
- Riprap Shoreline Protection
- Outfall Structures

Need to meet all of the criteria for the category

For example- large culverts/bridges must:

- Be bottomless or span bankfull
- Be recessed 1/6 of the bankfull width up to a max of 2 feet
- Be aligned with the stream, allows 25 feet of the channel to be re-shaped u/s and d/s
- May require grade control if perched
- Riprap shall not extend more than 25 feet u/s and d/s
- Equal or greater hydraulic capacity if 2 square miles or more

2014 Processing Times

Average time from the initial received date.

- General Permits 18 days
- Minor Permits 28 days
- Public Notice Permits 48 days

- Applications were up 25% in 2014

Preliminary Reviews

- Helps you to be able to meet our concerns early in the design process
- Helps to reduce our overall processing times
- 2014- only 18% of the files that had a preliminary review had to be re-inspected.

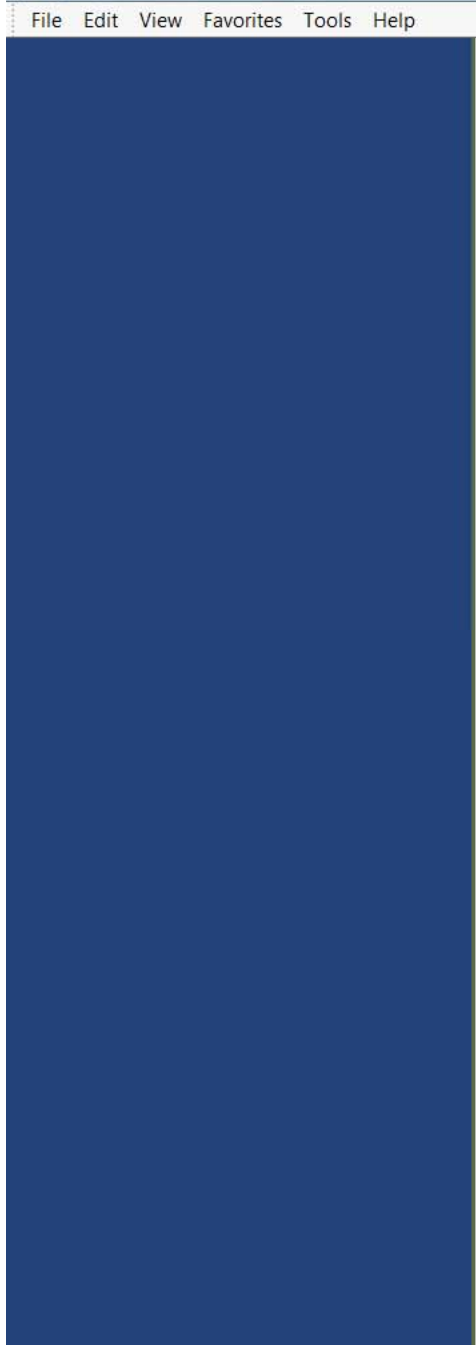
Working in County Drains

Our interpretation is:

- You need a permit from us
- Unless
- It is a formal county drain project with the drain office footing most of the bill
- There will be some on going discussions with the Drain Commissioners to clarify this.

Federal T&E Species

- **County Listing Handout:**
- <http://www.fws.gov/midwest/endangered/lists/michigan-cty.html>



	Pitcher's thistle (<i>Cirsium pitcheri</i>)	Threatened	Stabilized dune blowout areas
Allegan	Indiana bat (<i>Myotis sodalis</i>)	Endangered	Summer habits include small medium river and stream corridors with well developed woods; woodlots 1 to 3 miles of medium rivers streams; and upland forests. Caves and mines as hibernacula
	Northern long-eared bat <i>Myotis septentrionalis</i>	Proposed as Endangered	Hibernates in caves and mines - swarm surrounding woodlots and areas in autumn. Roosts and forages in upland forests in spring and summer
	Rufa Red knot (<i>Calidris canutus rufa</i>)	Threatened	Only actions that occur along coastal areas during the Red Knot migratory window MAY 1 - SEPTEMBER 15
	Eastern massasauga (<i>Sistrurus catenatus</i>)	Candidate	
	Karner blue butterfly (<i>Lycaeides melissa samuelis</i>)	Endangered	Pine barrens and savannas on sand dunes and containing lupines (<i>Lupinus perennis</i>), the known food plant for larvae.
	Pitcher's thistle (<i>Cirsium pitcheri</i>)	Threatened	Stabilized dune blowout areas
Alpena	Northern long-eared bat <i>Myotis septentrionalis</i>	Proposed as Endangered	Hibernates in caves and mines - swarm surrounding woodlots and areas in autumn

Construction Storm Water

If sites were not stabilized before winter please get out there as soon as the snow and frozen ground is thawed.

QUESTIONS??