

Digital EGLE/USACE Joint Permit Application (JPA) for Inland Lakes and Streams, Great Lakes, Wetlands, Floodplains, Dams, Environmental Areas, High Risk Erosion Areas and Critical Dune Areas

version 1.44

(Submission #: HQ9-10RH-5GPG0, version 3)

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Location: State of Michigan

Details

Submission ID HQ9-10RH-5GPG0

CORRECTION REQUEST (APPROVED)

In-stream Structures - additional information needs and comments

Please address the correction requests and comments provided by the EGLE Wetland Lakes and Streams Unit (attached document titled "Liberty Street Creek_WLSU Comments.pdf").

Created on 3/24/2025 4:09 PM by **James Bales**

2 COMMENTS

James Bales (balesj@michigan.gov) (6/13/2025 11:59 AM)

Email being sent with follow up comments and remaining correction items.

Environmental Department (hrceed@hrcengr.com) (5/16/2025 2:23 PM)

The response letter was uploaded.

Form Input

Instructions

[Click here](#) to download a copy or print these instructions (recommended).

The EGLE/USACE "Joint Permit Application" (JPA)

READ THOROUGHLY BEFORE STARTING THE FORM

It is recommended to download a pdf of this page at www.michigan.gov/jointpermit for reference while filling out the form. Please also refer to this website for additional information regarding this form, including a glossary and other helpful resources on information required to be submitted in this form.

This is the Joint Permit Application (JPA) for construction activities where the land meets the water. This application covers permit requirements derived from state and federal rules and regulations for activities involving:

- Wetlands
- Floodplains
- Marinas
- Dams
- Inland Lakes and Streams
- Great Lakes Bottomlands
- Critical Dunes
- High Risk Erosion Areas

This application prevents duplication of state and federal forms for these activities and provides concurrent review under all pertinent state

and federal laws. In the case of U.S. Army Corps of Engineers (USACE) jurisdiction, the Michigan Department of Environment, Great Lakes, and Energy will also send a copy of this Joint Permit Application to the USACE for simultaneous processing. EGLE will provide coordination between state and federal agencies during the application review.

This application form is set up with the following sections to be completed by the applicant (note that it is recommended to gather all this information prior to starting this form):

Contact Information:

Applicant, Property Owner(s), Consultant(s), and any other Authorized Representative(s)

Authorizations are required from the property owner for:

- when the applicant is not the owner,
- when there is a consultant/representative for the applicant,
- when spoils disposal locations are not on site,
- when other permissions are necessary based on project specifics and are identified by the form.

Project Location Information:

Address, coordinates, and directions to the site, etc.

Background Information:

Existing site conditions, other related permits, existing easements/encumbrances, other related application numbers (pre-application meetings, Wetland Identification Program, etc.)

Permit Application Category and Public Notice Information:

This section asks what permit application category you believe fits your project. While this is not required to submit the application, knowing this will also help you submit the right permit application fee and avoid a correction request and processing delays.

The choices of permit application categories to select in the form are:

- [General Permit \(\\$50 fee\)](#)
- [Minor Project \(\\$100 fee\)](#)
- Public Notice Individual Permit, range from \$500-\$4,000 depending on type of activity. For High Risk Erosion Areas and Critical Dune Areas fees for Public Notice individual permit applications can range from \$50-\$4000.
 - Additional fees may be applied for some special project requirements such as hydraulic analysis, dam projects, and a special ex application in a critical dune area. See Fee Schedule on website for more information.
- Unsure, select this and the permit reviewer will make the determination on permit type after the application is submitted based on the project details. However, some fee is required to be submitted with the application. If an additional fee is required, EGLE will send a correction request that will show the remaining amount required. The application will not be considered complete without the proper fee

Adjacent Landowner contact information for Public Notice projects is required by law. This includes any parcels touching the project parcel and parcels across the street.

Project Description:

Information on the Proposed Use and Purpose of the project (who and what the project is intended for and why is it needed). This includes a written summary of the project as well as a list of project uses and types to select from as follows:

Project Use Selections:

- Private
- Commercial
- Public/Gov/Tribal
- Federal/State Funded
- Non-Profit
- Other

Project Type Selections:

- Agriculture

- Airport
- Development- Condo/ Subdivision/Residential
- Development-Commercial/ Industrial
- Drain-County
- Drain-Private
- Drawdown
- Lake, Drawdown
- Wetland Forestry
- Landfill
- Marina/Mooring Facility
- Marine Railway
- Mining-Mineral,
- Mining-Sand and Gravel
- Private Residence
- Restoration-Wetland
- Restoration-Stream
- Transportation
- Septic System Surveying or Scientific Measuring Device
- Utility-Electrical, Fiber optic
- Utility-Oil and gas pipelines
- Utility-Sewer/water line
- Other

Construction Details including sequencing, timeframes, SESC measures, etc.

Alternatives Analysis detailing all options considered and why this is the least impactful feasible and prudent proposal. The depth of this analysis is typically commensurate with the size and purpose of the project and at minimum should include variables such as alternate locations (including other properties), configurations and sizes (layout and design), and methods (construction technologies), and other constraints (local regulations, resource issues). Discussion should also include why the “do nothing” alternative is not feasible or prudent.

Project Compensation:

Narrative of how proposed impacts will be compensated (mitigated or other minimization measures), including amount, location, and method; or why mitigation should not be required. This can be traditional mitigation and/or other techniques used to minimize overall loss of functions.

Resource and Activity Type:

This section is intended to determine what additional sections of the application are generated (as seen on the left side of the screen) for further information gathering. This includes questions regarding what Resource feature is involved (e.g., wetland, stream, floodplain, pond, dam, critical dune, etc.) and if there are identified Special Activities (i.e., activities requiring a specific series of questions to be answered). Be sure to choose all that apply to your project. If your activity is not listed, choose “None of the Above” and move on to the next question. More specific activity questions will appear later based on the resource section answers.

Resource Information and Impacts Sections (Multiple Sections):

These are a series of sections that will appear on the left side of the screen based on your answers to the Resource and Activity Types section. You will input further information on the existing resources to be impacted (e.g., wetland type, permanent or temporary impact, water elevation data, drainage area, etc.) and all proposed Project Activities with their Dimensions (e.g., length, width, depth, square footage). For example, when “Wetland” is selected as a resource that your project will involve, a “Wetland Project Information and Impacts” section will appear on the left side of the screen that includes questions specific to gathering information about the wetland.

For projects including Floodplains, Marinas, Dams, Critical Dunes, or High Risk Erosion Areas, individual sections will appear on the left side of the screen that include different sets of specialized questions as required by those programs. These sections do not share a

specific format. Help tips will guide you in filling out these sections.

For projects including wetlands, ponds, inland lakes, streams, or the Great Lakes resources, individual sections will appear on the left side of the screen that are similar in format to each other. Each of these resource sections asks initial general information and then has additional questions regarding the Types of Activities proposed for each resource. The outline for these resource activity impacts questions is Activity Type, Dimensions Table, and Special Questions.

There are four overall "Types of Activities" groups for wetlands, ponds, inland lakes, streams or the Great Lakes:

- Fill Activities
- Dredge Activities
- Structure Activities
- Other Activities

Under each of these Types of Activity questions, specific activity lists will be shown that are typical for that type (fill, dredge, structure, other) and resource (wetland, lake, stream, etc). Follow these steps to accurately fill out the Activity Type Questions:

1. Start with the Fill question and choose any activities on the list that is included in your project. If your activity is not shown, then select "None of the Above" and move to the next question.
2. When you select an activity listed under Fill, Dredge, Structure, or Other, a dimensions table will appear under that question. This table where you enter EACH activity OF THE TYPE YOU SELECTED and associated dimensions. Be sure that all the activities you select are also listed in the table with the dimensions. Multiple activities covering the same footprint may be combined on one line in the table example, riprap on slopes of driveway fill can be entered on the same impact dimensions line and does not necessarily need to be broken out).
3. Continue to answer the Activity Type questions (Fill, Dredge, Structure, Other) until all have been answered with either a specific Activity listed under that Type or "None of the Above". If you did not find your activity in any list then select "Other, Other" and provide a description of your activity in the space that appears. Please be as descriptive as possible.

Proposed mitigation questions may appear within specific resource types sections based on your answers. Enter any proposed mitigation in the appropriate section (wetland, stream, etc.) and if no mitigation is proposed you must provide commentary with an explanation as to why it is not required. Mitigation plans according to the mitigation checklist ([link](#)) are required for a complete application. When mitigation is proposed be sure to also select mitigation in the Permit Application Type section under the second question.

In the above sections, uploads will be prompted as required by the answers to questions. These should be uploaded in these location (ex, mitigation plans should be uploaded in the mitigation section). Please do not wait to upload one large document with all plans combined at the end. Note that each individual upload is limited to 10M.

Upload of Proposed Site Plans:

Any plans or explanatory narratives not requested in previous sections should be uploaded in this section. Construction Plans including overhead view, cross sections, and profiles showing each impact either to-scale or with dimensions are required and typically would be uploaded here. Plan labels should correspond with labels entered in the form for each activity selected. The application will not be complete without the proper site plans. If drawings are not received with all required dimensions and resources identified, then EGLE will send a correction request and your application processing will be delayed. However, please limit drawings, plans, and narratives submitted to the items necessary for permit review. For example, entire bid package documents and CAD drawings are often not helpful for permit review and may cause delays from wading through extraneous information. Plans, profiles and cross sections specific to the resource impacts are the most helpful.

USFWS Michigan Determination Key (DKey) Tool:

For projects that propose impacts which require federal coordination, applicants are required to include a letter resulting from the USFWS Michigan Determination Key (DKey) tool for endangered species. Please submit your project proposal into the USFWS Information and Planning and Consultation (IPaC) system online, at <https://ipac.ecosphere.fws.gov/>, and follow the Michigan DKey process to obtain the output letter. For any other projects that have obtained a Michigan DKey output letter, it should be attached to the JPA in the attachments section. The following proposed impacts require the submission of the DKey letter:

- Major Discharges as follows:
 - Projects affecting one or more acre of wetland
 - New construction of breakwaters or seawalls with a total length of more than 1,000 feet
 - Enclosure of more than 300 feet of a stream in one or more segments
 - Relocation or channelization of more than 1,000 feet of a stream in one or more segments
- Projects with potential to affect endangered or threatened species as determined by the US Fish and Wildlife Service

Review:

This section allows you to see the entire form with the answers you entered. Please review for accuracy prior to hitting the submit button. A print option is provided on this screen (print to PDF is recommended). Once the application is submitted you may not make changes to it

until the application has been assigned to a staff person.

Certify & Submit:

This is the final section of the application form. The "Submit Form" button selection certifies that all information in the application is true and accurate and that you have the authority to apply for the permit as indicated. This application will become part of public record.

We recommend that you have the above information ready prior to starting this application. You will be able to save in-progress applications and come back later, but all required uploads and questions are necessary before the system will allow submittal of the application. Some sections of this application form load faster than others depending on the complexity of the questions. Thanks for your patience while you work through the application.

For assistance with this form visit: <https://www.michigan.gov/jointpermit>.

Contact Information

Applicant Information (Usually the property owner)

First Name Last Name

Theresa Bridges

Organization Name

City of Ann Arbor

Phone Type Number Extension

Business 7347946410 43672

Email

tbridges@a2gov.org

Address

301 E Huron St

City of Ann Arbor, MI 48104

Is the Applicant the fee simple property owner? (Does the applicant have full and permanent ownership of the parcel, as well as any buildings on that parcel?)

Yes

Has the applicant hired an agent or cooperating agency (agency or firm assisting applicant) to complete the application process?

Yes

Agent Contact

First Name Last Name

Fatemeh Babakhani

Organization Name

NONE PROVIDED

Phone Type Number Extension

Mobile 3138444902

Email

fbabakhani@hrcengr.com

Address

555 Hulet Drive

Bloomfield Hill, MI 48302

Upload Attachment for Authorization from Agent

HRC_EGLE Authorization Letter-City.pdf - 01/22/2025 10:26 AM

Comment

NONE PROVIDED

Are there additional property owners or other contacts you would like to add to the application?

No

Project Location

EGLE Site Reference Number (Pre-Populated)

4870102352149770473

Project Location

42.27598514182051,-83.77061945938999

Project Location Address

542 Glendale Cir
Ann Arbor, Michigan 48103

County

Washtenaw

Is there a Property Tax ID Number(s) for the project area?

No

Is there Subdivision/Plat and Lot Number(s)?

No

Is this project within Indian Lands?

No

Local Unit of Government (LUG)

Ann Arbor

Directions to Project Site

The project is located between the houses north of W Liberty Street, on the east of Westwood Appartment Drive.

Background Information**Has the Michigan Department of Environment, Great Lakes, and Energy (EGLE) and/or United States Army Corps of Engineers (USACE) conducted a pre-application meeting/inspection for this project?**

No

Has the EGLE completed a Wetland Identification Program (WIP) assessment for this site?

No

Environmental Areas are coastal wetlands on the shorelines of the Great Lakes. Enter this number only if a designated Environmental Area is in the proposed project area. Environmental Areas are designated locations along the Great Lakes shoreline. If you don't know whether there is an environmental area within the project area, leave blank. Additional information on Environmental Areas can be found by clicking the following link:

[Click Here for Link](#)

Environmental Area Number (if known):

NONE PROVIDED

Has the United States Army Corps of Engineers (USACE) completed either an approved or preliminary jurisdictional determination for this site?

No

Were any regulated activities previously completed on this site under an EGLE and/or USACE permit?

No

Have any activities commenced on this project?

No

Is this an after-the-fact application?

No

Are you aware of any unresolved violations of environmental law or litigation involving the property?

No

Is there a conservation easement or other easement, deed restriction, lease, or other encumbrance upon the property?

No

Are there any other federal, interstate, state, or local agency authorizations associated with this project?

No

Permit Application Category and Public Notice Information

Project Category Selection:

The Permit Application Category you apply under is dependent on the type and scope of activities you are undertaking and the resources affected. There is a three-tier permitting process to aid in expediting permits for regulated activities that occur on wetlands, inland lakes and streams, and the Great Lakes (Parts 301, 303, and 325):

- General Permit
- Minor Project
- Individual Permit

Additionally, Minor Project categories exist for floodplains under the authority of Part 31.

General Permit and Minor Project categories generally meet specific Best Management Practices criteria that have been shown to minimize impacts to resources if followed correctly. If you select a General Permit or Minor Project Category, you must select the specific category(ies) that your project fits under. Any project that does not fit a General or Minor Category are Individual Permit projects. All projects in Critical Dunes, High Risk Erosion Areas, or Dam Safety projects will be Individual Permit Projects.

- [Link to General Permit Categories with Descriptions](#)
- [Link to Minor Project Categories with Descriptions](#)
- [Link to Minor Project Category Descriptions for Floodplain Only Projects \(See R323.1316\)](#)

Indicate the type of permit being applied for.

Individual Permit for all other projects

This type of permit application requires that you include contact information for the adjacent landowners to this project. If you are only entering in a small number of bordering parcel owners contact information, please select "Enter list of recipients". If there is a rather large number of affected property owners such as a project that significantly affects lake levels, please upload a spreadsheet of the property owners. Please include names and mailing addresses.

Upload a list.

Uploads/Attachments

[adjacent landowners.xlsx](#) - 12/20/2024 11:21 AM

Comment

NONE PROVIDED

Project Description

Project Use: (select all that apply - Private, Commercial, Public/Government/Tribal, Receiving Federal/State Transportation Funds, Non-profit, or Other)

Public/Government/Tribal

Project Type (select all that apply):

Other: streambank restoration

Please enter your answers in the text box for the next four questions. If you have a long description, please use the document upload at the end of the section. Please make every effort to enter your information directly into the application text boxes. If the answer is in an attachment, please identify that in the text box below.

Project Summary (Purpose and Use): Provide a summary of all proposed activities including the intended use and reason for the proposed project.

In 2015, the City of Ann Arbor completed a project to calibrate the Stormwater Management Model (SWMM), which identified several planning-level recommendations to mitigate flooding during heavy rain events within the city. The Liberty Street Creek Restoration is part of the City of Ann Arbor's Capital Improvement Program. The city holds a permanent easement for maintaining the existing stormwater system in the project area.

The project area spans from the culvert crossing (87" x 63" Arch) at Westwood Apartment Drive to a point 739 linear feet downstream, where it transitions to a 24" RCP pipe. Within this stretch, there is a 272 linear foot section of 87" x 63" Arch pipe (middle culvert), which was installed in 1998.

The Creek has been experiencing head cutting at the U/S end of the project from Westwood Apartment Drive to the middle culvert. The head cutting could have occurred due to the steep slope in the urbanized watershed. Head cutting is a common mechanism for channel adjustment to a change in slope and can cause downstream incision and streambank failure. The head cutting undermined the culvert at the Westwood Apartment Drive. To control the head cuts the grade controls including the step-pool are proposed for this U/S end of the project. To provide floodplain connectivity the incised channel will be re-shaped to two stage channels with 9 bankfull width and two 3 ft bankfull benches.

Downstream of the middle culvert, the creek is widened, and further downstream, the channel is deeply incised with steep streambank slopes. To enhance floodplain connectivity, 3-foot bankfull benches will be constructed, and the banks will be regraded to a 1V:3H side slope. In areas where the south bank is close to private properties, the bankfull bench will be built only on one side.

The streams at the outer banks will be protected by the toe wood structure. A combination of coarse and fine woody materials will be placed in the bankfull bench in the form of brush piles and toe wood to preserve the bank and provide habitat improvements. The source of woody material is the onsite trees that will be removed as part of the bankfull bench excavation. To take the energy off of the streambanks, several J hooks and cross vanes will be constructed.

Project Construction Sequence, Methods, and Equipment: Describe how the proposed project timing, methods, and equipment will minimize disturbance from the project construction, including but not limited to soil erosion and sedimentation control measures.

1. Soil erosion and sedimentation control measures will be implemented to minimize environmental impacts during construction. Silt fences, and erosion control blankets will be used to prevent soil erosion and sediment migration.
2. Regular monitoring and inspections will be conducted to ensure the effectiveness of control measures and adherence to environmental regulations.
3. Trees shown on the plan will be removed. Tree trimming/cutting will be conducted between Oct 01- March 31 to avoid potential bat impacts.
4. The bankfull benches will be excavated, the streambanks will be reshaped and the toewood, riffles, and other in-stream structures will be installed.
5. Soil erosion measures will be removed, and the site will be restored back to existing conditions.

Project Alternatives: Describe all options considered as alternatives to the proposed project, and describe how impacts to state and federal regulated waters will be avoided and minimized. This may include other locations, materials, etc.

Alternative 1- Do nothing.

The first alternative was to take no action and maintain the current conditions of the stream. Under this approach, the existing head cutting, streambank erosion issues and lack of floodplain connectivity in the stream would persist. Ongoing erosion would impact the existing stormwater assets, adjacent lands causing trees to fall and block the drain creating significant erosion. This option would not effectively address environmental degradation or improve the habitat conditions for aquatic life. Impacts on state and federally regulated waters would continue without mitigation, which may lead to continued erosion and negative effects on water quality.

Alternative 2- fixing the streambank in place

The second alternative involves installing streambank measures such as toewood/stone toe at the existing streambank. While this alternative address the streambank erosion, but it doesn't solve the root cause of the issues which are head cutting and incised channel. Over time the streambank might be eroded, since the root cause including the floodplain connectivity and head cutting haven't been addressed.

Alternative 3- Creating bankfull benches and install grade controls to mitigate head cutting.

The third alternative, which was ultimately chosen, is to solve the root cause of the stream impairment, by addressing head cutting and improving floodplain connectivity. As it was explained previously, grade control structures including steps-pool will be installed at the U/S section of the Creek to prevent the head cutting. The bankfull benches will be created on either side of the Creek to improve the floodplain connective. J-hooks and cross vanes will also be installed to take energy from the outer banks to protect the streambank. The native seed mix will be utilized on the bankfull benches and stream slopes to improve the water quality before out letting to the Creek.

Project Compensation: Describe how the proposed impacts to state and federal regulated waters will be compensated, OR explain why compensatory mitigation should not be required for the proposed impacts. Include amount, location, and method of compensation (i.e., bank, on-site, preservation, etc.)

Project compensation is not required since this project restores the stream and improve stream habitat.

Upload any additional information as needed to provide information applicable to your project regarding project purpose sequence, methods, alternatives, or compensation.

NONE PROVIDED

Comment

NONE PROVIDED

Resource and Activity Type

SELECT THE ACTIVITIES from the list below that are proposed in your project (check ALL that apply). If you don't see your project type listed, select "Other Project Type". These activities listed require additional information to be gathered later in the application.

Shore Protection such as Seawalls, RipRap, and Bioengineering

The Proposed Project will involve the following resources (check ALL that apply).

Stream or River

Major Project Fee Calculation Questions

Is filling of 10,000 cubic yards or more proposed (cumulatively) within wetlands, streams, lakes, or Great Lakes?

No

Is dredging of 10,000 cubic yards (cumulatively) or more proposed within streams, lakes, or Great Lakes? (wetlands not included)

No

Is new dredging or adjacent upland excavation in suspected contamination areas proposed by this application?

No

Is a subdivision, condominium, or new golf course proposed?

No

Stream Project Information (1 of 1)

Stream Information

This section is for entering information regarding the impacts to a **stream** only. Do not input information that pertains to other resources (inland lakes, Great Lakes, floodplains, etc.).

If there are multiple streams associated with the project impacts, or different Ordinary High Water Mark (OHWM) elevation data on the stream reach, provide the information in duplicate stream project information tabs by clicking on DUPLICATE at the top right or bottom of this screen.

Elevation data must include a description of the reference point or benchmark used and its corresponding elevation. If elevations are from still water provide the observation date and water elevation. Include information in this section only as it pertains to proposed project activities in regards to impacts to streams.

This section is for entering information regarding the impacts to Streams only. Do not input information that pertains to other resources (Great Lakes, streams, floodplains, etc.).

Elevation data must include a description of the reference point or benchmark used and its corresponding elevation. If elevations are from still water provide the observation date and water elevation. Information provided in this section should pertain only to proposed activities in regards to Inland Lake impacts.

An OHWM can be determined by either surveyed information or through measurements taken in reference to a static benchmark such as an observed water level or base of a tree, etc. The following information indicates how to determine the OHWM in different situations:

OHWM for Inland Lakes (Part 301) is the line between upland and bottomland identified by the presence of a distinct change in character of the land caused by successive changes in water levels.

In Section 10 regulated waters, the U.S. Army Corps of Engineers (USACE) regulates activities below the USACE Great Lakes OHWM elevation.

See EGLE's YouTube Series for OHWM video tutorials, and the sample OHWM drawing for more information.

[Determining the Ordinary High Water Mark \(OHWM\) - Video](#)

Please provide a name for the stream, river, channel:

un-named creek to Allen Creek (Liberty Street Creek)

Stream Water elevation reference* (show elevation on plans with description):

NAVD 88

Ordinary High Water Mark (OHWM) elevation (feet):

873

Date of observation (M/D/Y)

05/04/2024

What length (feet) does the project activity(ies) extend waterward of the OHWM?

20

What length (feet) does the project activity(ies) extend landward of the OHWM?

15

Is the drainage area upstream of the proposed project area greater than 2 sq. miles?

No

NOTE (CREATED)

Part 31 - Floodpains

Our EGLE Floodplain Engineer is reviewing this application to determine if there is Part 31 Floodplain authority at this site. Please contact Josh Gleason at 517-243-3105 or GleasonJ5@michigan.gov with questions.

Created on 3/25/2025 4:57 PM by **James Bales**

What is the width (feet) of the stream where the water begins to overflow its banks. This is called the Bankfull width.

9

Will a turbidity curtain be used during the proposed project?

No

If there are multiple streams associated with the project impacts, or different Ordinary High Water Mark (OHWM) elevation data on the stream reach, provide the information in duplicate stream project information tabs by clicking on DUPLICATE or ADD NEW below. This adds a new section where you will enter the information about additional project impacts.

Inland Lakes, Great Lakes and Stream Impacts (1 of 1)

Please Read:

This section will collect information regarding **Inland Lakes, Great Lakes, and Streams** impacts and activities only. The initial questions are related to which waterbody the impacts pertain to. When there are multiple waterbodies (e.g., some impacts are on an inland lake and some impacts are on a stream), fill out a DUPLICATE tab for each waterbody impacted. For each waterbody, questions will be asked regarding the proposed activities. Proposed Activities questions are grouped into Fill, Dredge, Structures, Other and are only for the impacts related to these groups. Click the link below for more information on the Inland Lakes and Streams Protection Program.

[Link to Information on Inland Lakes and Streams Permitting](#)

The following impact description applies to: (select only one at a time, duplicate this entire section if there are impacts to multiple waterbody types):

Stream

Linear feet of stream affected by your project

Category	Affected linear feet (ft)
Permanent	467
Temporary	0
	Sum: 467

Type of Activities:

The following questions gather information on the specific Types of Activities your project includes that will impact **Inland Lakes, Streams, and Great Lakes**.

There are four overall Types of Activities: Fill, Dredge, Structure, Other. Under each of the Activity Type questions, specific activity lists will be shown. If the activity is not shown in the list given, select "None of the Above", and move to the next question. When you select an activity under Fill, Dredge, Structure, or Other, a table will appear under that type. Only enter the dimensions of the activity that are within Inland Lakes, Streams, and Great Lakes. Multiple activities covering the same footprint may be combined on one line in the table. Continue to answer the Activity Type questions (Fill, Dredge, Structure, Other) until all have been answered with either a specific Activity listed under that Type or "None of the Above". If you did not find your activity in any list then select "Other, Other" and provide a description of your activity.

Select from the following list all Fill Activities (select all that apply to this waterbody impacted):

No fill

Activities Involving Dredging or Excavation: Select from the following list for Excavation/Dredge Activities (select all that apply to this waterbody impacted):

Excavation for toestone installation

Projects involving Excavation/Dredging below the Ordinary High Water Mark:

Activity	Length (feet)	Width (feet)	Depth (feet)	Area (square feet)	Volume (cubic feet)	Volume (cubic yards)	Corrected value for complex impact Areas (square feet)
toe-wood	292	5	1	1460	1460	54	NONE PROVIDED
pool	193	3	1	579	579	21	NONE PROVIDED
				Sum: 2039	Sum: 2039	Sum: 75	Sum: NaN

Has this area been previously dredged?

No

Is long-term maintenance dredging proposed?

No

What is the method used to be dredged?

Mechanical

Has the dredge material been tested?

No

Spoils Disposal

Will the excavation/dredge spoils be disposed of on site or off site?

On site

If your project includes STRUCTURES then select all of the proposed activities in the following list. If your activity is not shown, then select ☐ None of the Above ☐ and move to the next question. Only enter an impacted area in one of the impact tables (do not duplicate impact entries):

In-stream Structure

If your project includes Other Activities not listed in this section, then select from the proposed activities in the following list. If your activity has not been listed in this Section, then select ☐ Other ☐ and enter a description of your activity. Only enter an impacted area in one of the impact tables (do not duplicate impact entries). If you selected a Fill, Excavation/Dredging, or Structure activity above in this section, but do not have an activity listed as Other, then select None of the Above for this question.

Bioengineering

Restoration

Projects involving All other activities below the Ordinary High Water Mark:

Activity	Length (feet)	Width (feet)	Depth (feet)	Area (square feet)	Volume (cubic feet)	Volume (cubic yards)	Corrected value for complex impact AREAS (square feet).
riprap	52	5	1	260	260	10	NONE PROVIDED
J-hook	11.5	6	1	69	69	3	NONE PROVIDED
cross vane	50	9	1	450	450	17	NONE PROVIDED
rifle	70	4	1	280	280	10	NONE PROVIDED
steps	57	2	2	114	228	8	NONE PROVIDED
toewood	292	5	1	1460	1460	54	NONE PROVIDED
natural stone	22	5	1	110	110	4	NONE PROVIDED
ledge rock	9	4	2	36	72	3	NONE PROVIDED
				Sum: 2779	Sum: 2929	Sum: 109	Sum: NaN

Does the proposed project include mitigation?

none

If there are multiple waterbodies associated with the project impacts, or different Ordinary High Water Mark (OHWM) elevation data on the waterbody, provide the information in duplicate stream project information tabs by clicking on DUPLICATE or ADD NEW below. This adds a new section where you will enter the information about additional project impacts.

Shore Protection Project such as Seawalls, RipRap, or Bioengineering

Select all that apply to your project.

Bioengineering

Distance from the project to the adjacent property lines

Distance from property line to the left (feet)	Distance from property line to the right (feet)
65	70

Distance of project from an obvious fixed structure (example - 50 ft from SW corner of house)

70 ft north of 87" x 63" CMP arch pipe to east of Westwood Apartment Drive

Will any existing structures be removed as part of this project including walls or any other structure?

Yes

Please Describe.

retaining wall immediately downstream of the u/s culvert

Bioengineering

See the link below to get more information on natural shoreline protection with planting lists and design suggestions.

[Information on types of shoreline protection](#)

Bioengineering Project Length (feet):

391

List native plants/seeds, if available.

Big Bluestem
Side Oats Gramma
Fox Sedge
Greak Spikerush
Canda Wild Rye
Silky Wild Rye
Virginia Wild Rye
Fowl Manna Grass
Dudleys Rush
Rise Cut Grass
Prairie Switch Grass
Little Bluestem
Great Bulrush
Indian Grass
Prairie Cord Grass
Common Water Plantain
Sneezeweed
New England Aster
Frost Aster
Bebb's Oval Sedge
Crested Sedge
Palm Sedge
Lance-fruited Oval Sedge
Fox Sedge
Turtlehead
Canada Thimbleweed
Heart-leaved Blue Wood Aster
Marsh Marigold
Blue Flag Iris
Cardinal Lobelia
Great Blue Lobelia
Wild Columbine
Pickere! Weed
Purple Coneflower
Black-eyed Susan
Common Arrowhead
Golden Ragwort

Describe what type of structure, if any, will be installed as part of the bioengineering such as brush bundles, coir logs, etc. If none, indicate that.

none

Upload of Proposed Site Plans

Does your project include any one or more of the following: impacts to one or more acres of wetland, new construction of a breakwater or seawall with a total length more than 1,000 feet, a stream enclosure of greater than 300 feet in one or more segments, or relocation or channelization of a stream more than 1,000 feet in one or more segments? Also select "YES" for any other project that requires federal coordination.

No

If you have obtained a letter resulting from the USFWS Michigan Determination Key (DKey) tool for endangered species, please attach the letter below.

USFWS Information and Planning and Consultation (IPaC) system can be found online at <https://ipac.ecosphere.fws.gov/>.

[USFWS Michigan Determination Key \(DKey\) Tool](#)

Upload the Michigan DKey Output Letter

NONE PROVIDED

Comment

NONE PROVIDED

REQUIRED Application, Maps, and Drawings:

- Overall Project Site Plan
- Cross-Sectional Drawings

For Part 315 Dam Safety applications attach detailed signed and sealed engineering plans for a Part 315 dam repair, dam alteration, dam

abandonment, or dam removal.

[Examples site plan and cross-sectional drawings](#)

[For additional information on maps, drawings, and other attachments visit michigan.gov/jointpermit](#)

Required on all Site Plan uploads. Please identify that all of the following items are included on your plans that you upload with this application.

Site Plan Features	Existing and Proposed Plan Set
Scale, Compass North, and Property Lines	Yes
Fill and Excavation areas with associated amounts in cubic yards	Yes
Any rivers, lakes, or ponds and associated Ordinary High Water Mark (OHWM)	Yes
Exterior dimensions of Structures, Fill and Excavation areas associated with the proposed project	Yes
Dimensions to other Structures and Lot Lines associated with the project	N/A
Topographic Contour Lines from licensed surveyor or engineer when applicable	Yes

Upload Site Plans and Cross Section Drawings for your Proposed Project

[20250224_EGLE_submittal.pdf](#) - 02/24/2025 01:28 PM
[20250516_EGLE_comments.pdf](#) - 05/16/2025 03:45 PM
[20220917_Review.pdf](#) - 09/18/2025 03:10 PM

Comment

NONE PROVIDED

CORRECTION REQUEST (APPROVED)

Site Plans and Cross Sections - Ordinary High-Water Mark

Please add/display/label the ordinary high-water mark of the stream on site plans and cross sections.
Created on 3/24/2025 4:02 PM by **James Bales**

Additional Required and Supplementary Documents

[ResponseLetter_05162025.pdf](#) - 05/16/2025 02:26 PM

Comment

Here is the response letter to EGLE's correction request dated March 24, 2025.

Fees

Individual Permit Fee:
+\$500.00

Total Fee Amount:

\$500.00

Is the applicant or landowner a State of Michigan Agency?

No

Revisions

Revision	Revision Date	Revision By
Revision 1	12/20/2024 9:53 AM	Environmental Department
Revision 2	3/25/2025 5:04 PM	Environmental Department
Revision 3	9/18/2025 2:59 PM	Environmental Department