

Gogebic County
Soil Erosion and Sediment Control (SESC)
General Information

Program Purposes

As required under Michigan law, Gogebic County regulates all construction activity within 500 feet of any water body to protect Michigan's waters from soil and sediment. The program is designed to require erosion control techniques to reduce soil erosion and prevent sedimentation of lakes and streams through the issuance of a SESC permit and conducting site inspections to insure compliance.

Activities that Require a Permit

Any construction within 500 feet of any water body, any construction area or land clearing work larger than one acre in size, requires a Soil Erosion and Sediment Control Permit, before a Building Permit can be issued, as per State law. The following activities generally require a SESC Permit:

- Home and Garage Construction
- Roads and Culverts
- Sand and Gravel Pits
- Earthwork near Wetlands or Shorelines
- Commercial Development

Rules and Regulations

The rules and regulations are commonly referred to as Part 91, NREPA, of the State of Michigan, as amended. The rules and regulations can be found on the web at Michigan's Department of Environmental Quality website.

Permit applications

Applications are available on line at <http://www.gogebiccountymi.gov/soil1.html>. Permits can also be found at your township offices or by visiting the Gogebic County Soil Conservation District office at the Natural Resources Center on 500 N. Moore St. Bessemer MI, 49911 or by calling our office at 906-663-4512.

Requirements:

Gogebic County requires the following information and fees to be included with a complete permit application in order to obtain a Soil Erosion and Sediment Control Permit.

1. A complete, accurate and signed application
2. A check, payable to Gogebic Conservation District, for \$150.00 per acre of disturbance. Fees will be doubled if work begins before a permit is issued.
3. A site drawing, or plan, that contains the following information:
 - a. Name and distance to nearest water body
 - b. Short-term and long-term erosion control measures
 - c. Slope of land and drainages, soil type and area of disturbance
 - d. Location of buildings and any proposed structures



Part 91, Soil Erosion and Sedimentation Control Plan

Minimum Requirements

Project: _____

Rule 1703 Requirement	Included in Plan?*	Comments
Map with scale: 1" = 200' or less, or indication of exact distances between noted features on site plan	Yes No	
Legal description of property (town, range, section, quarter-quarter section)	Yes No	
Proximity of any proposed earth change to lakes and/or streams	Yes No	
Predominant land features	Yes No	
Slope description or contour intervals	Yes No	
Soils survey or written description of the soil types of the proposed exposed land area	Yes No	
Description and location of the physical limits of each proposed earth change	Yes No	
Description and location of all existing and proposed on-site drainage and dewatering facilities	Yes No	
Timing and sequence of each proposed earth change	Yes No	
Location and description for installing and removing all temporary SESC measures	Yes No	
Description and location of all proposed permanent SESC measures	Yes No	
Maintenance program for all permanent SESC measures and designation of person responsible for maintenance	Yes No	

*If No is checked above, the plan must be revised to include the missing element prior to submittal/approval.

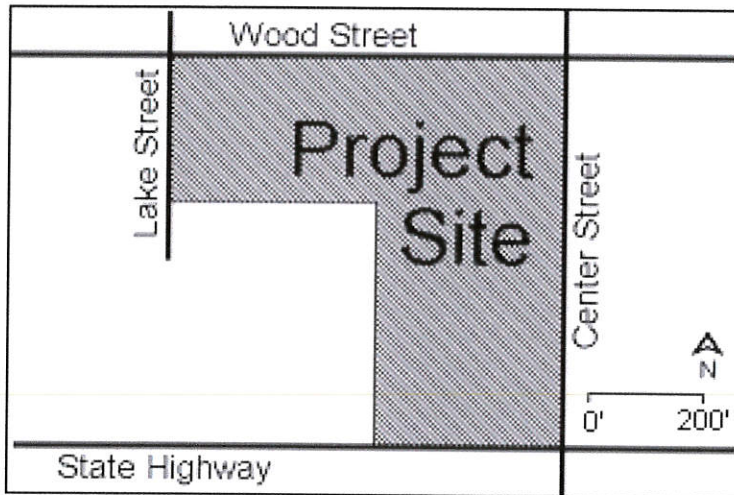
Other Comments:

Developing a SESC Plan

After conducting the on-site field investigation and reviewing all possible information sources, it is time to develop the SESC plan. Rule 1703 promulgated under Part 91 NREPA is our guide to develop an effective SESC plan.

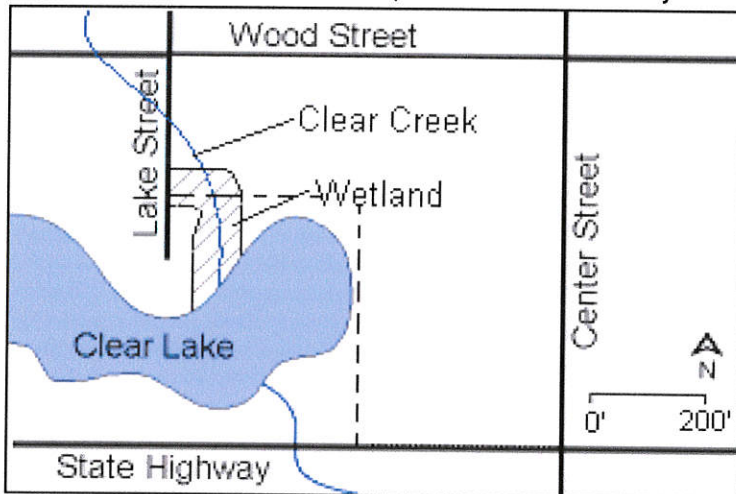
1. Site location map, legal description of property, and scaled map showing property boundaries (Figure 1).

Figure 1: Location Map



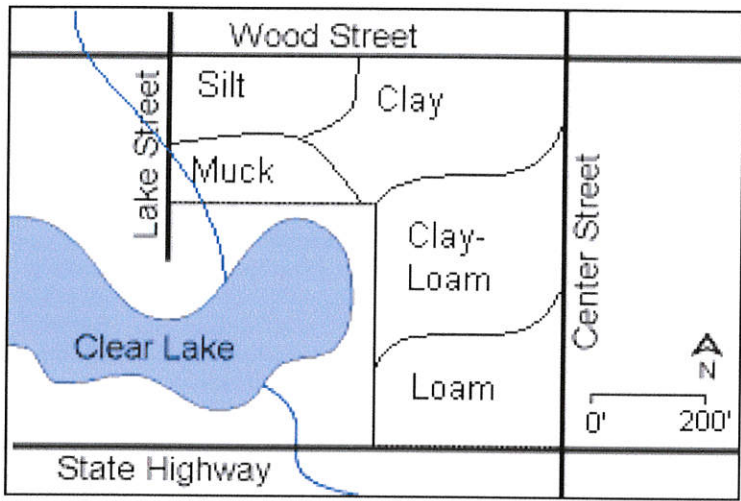
2. The proximity of the earth change to lakes, streams, wetlands and other predominant land features (Figure 2).

Figure 2: Plot of sensitive (water/wetlands/adjacent ownerships) areas



3. Description of on-site soils (Figure 3).

Figure 3: Map of on-site soils (information from Gogebic County Soil Map or on-site testing to determine soil characteristics).



4. Existing and proposed elevations or slope description (Figures 4A and 4B).

Figure 4A - Existing elevations or slope description

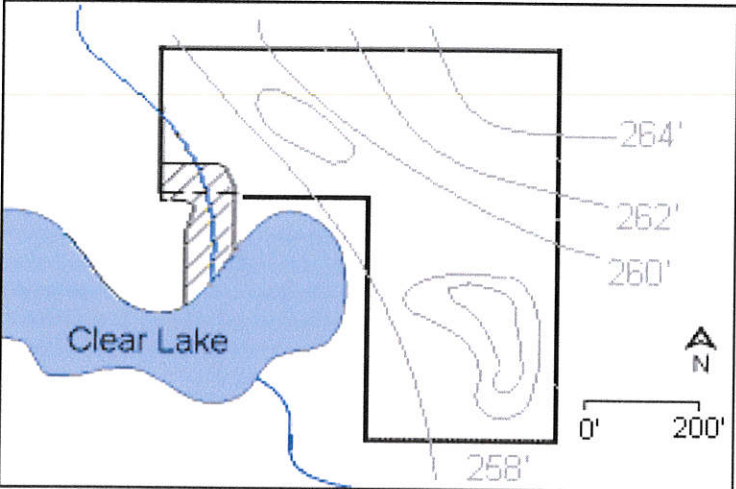
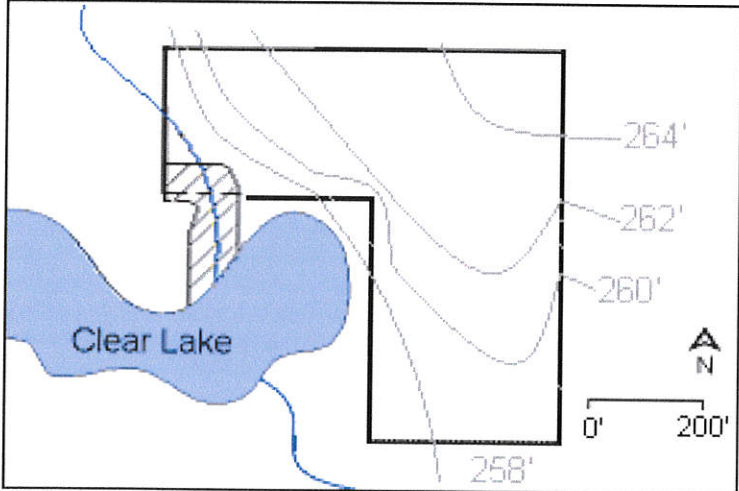
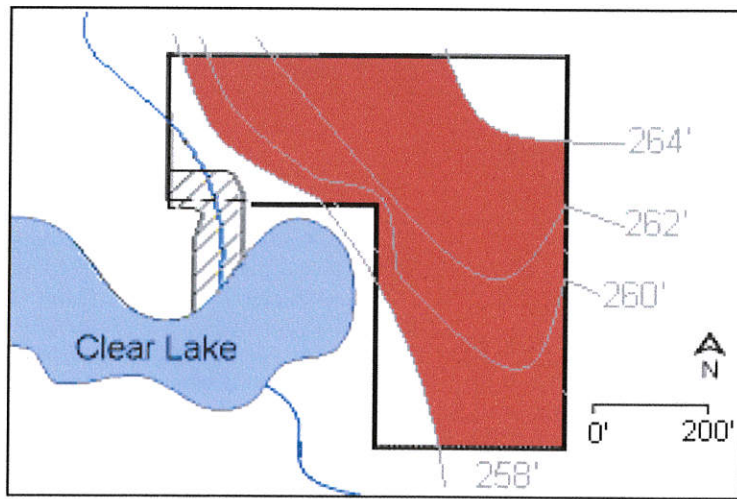


Figure 4B - Proposed elevations or slope description



5. Physical limits of the earth change

Figure 5: Proposed areas of earth change highlighted in red

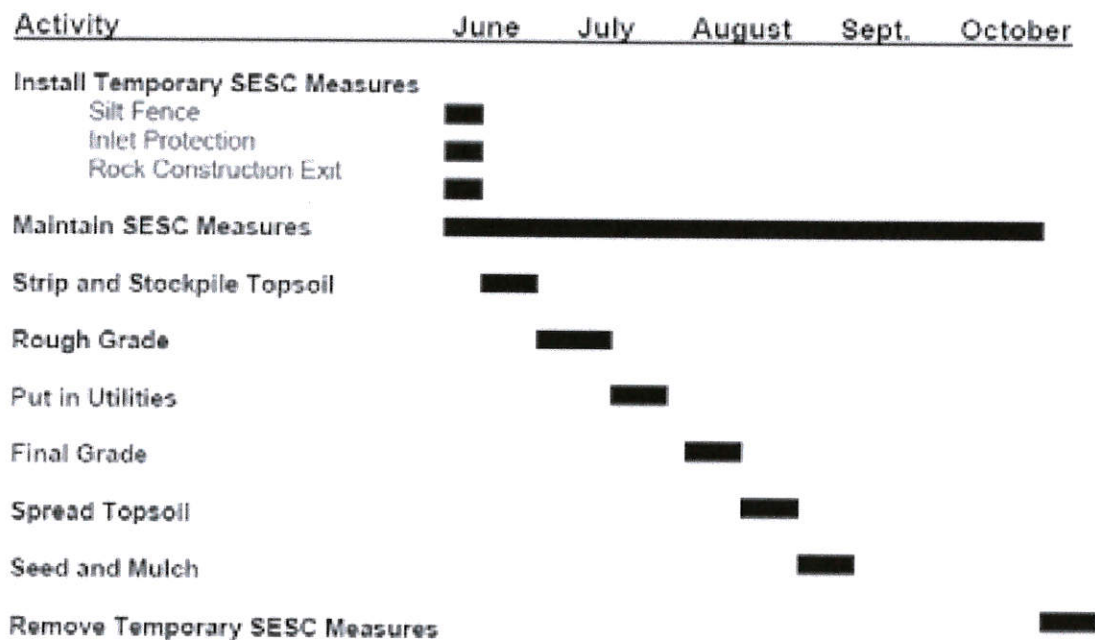


6. A description of existing and proposed drainage and dewatering facilities.

7. Timing and sequencing of earth change activities and implementation of SESC measures. (Figure 6).

Figure 6: Construction/SESC Schedule

CONSTRUCTION AND SESC MEASURE IMPLEMENTATION SCHEDULE

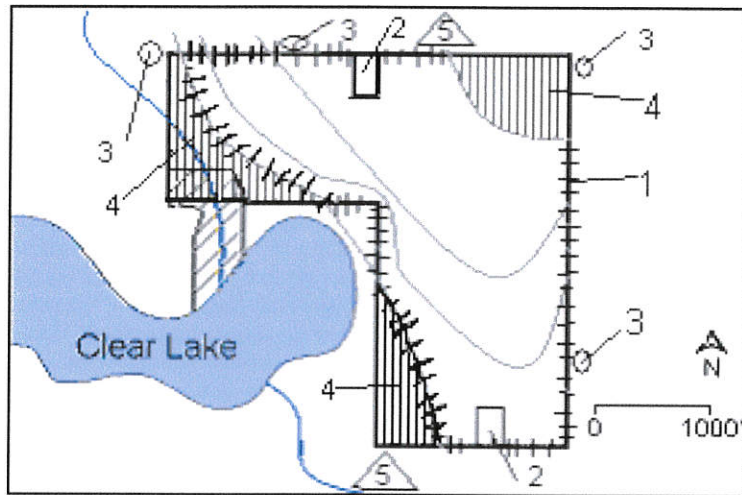


8. SESC Detail and Plan

(A) Description and location of all proposed temporary and permanent SESC control measures (Figure 7).

(B) Proposal for continued maintenance of all permanent SESC measures.

Figure 7: Map/legend of proposed SESC measures.



SESC KEY		
Number	Control	Symbol
1	Silt Fence	
2	Rock Construction Exit	
3	Inlet Protection	
4	Retain Existing Vegetation	
5	Daily Street Sweeping	

The location of all control measures should be identified on the SESC plan. If the material list specifies 200 feet of silt fence, the placement of the silt fence should be delineated on the plans. Similarly, if check dams are required in a roadside ditch, the relative locations of those check dams should be identified on the plan. Each control measure should be labeled on the plan, i.e., silt fence, check dam, etc. or identified by a symbol or code number such as found in the MDMB's "SESC Keying System" or MDOT's "Applicable SESC Measures". Both documents assign a number and symbol to each SESC measure. The SESC plan must indicate which of the keying systems is being used if you use one of them.

**PERMIT APPLICATION
 GOGEBIC COUNTY
 SOIL EROSION AND
 SEDIMENTATION CONTROL
 500 N. Moore St.
 Bessemer, MI 49911 (906) 663-4512**

OFFICE USE ONLY

Permit Number:
Date Issued:
Expiration Date:
File Number:
Fee Paid:

1. APPLICANT (Please check if applicant is the landowner or designated agent*)

Name		Landowner	Designated Agent
Address			
City	State	Zip Code	Area Code / Telephone Number

2. LOCATION

Section	Town	Range	Township	City / Village	County
Subdivision	Lot No.	Tax ID Number			Street Address

3. PROPOSED EARTH CHANGE

Describe Project	Size of Earth Change (acres or square feet)
Name of and Distance to Nearest Lake, Stream, or Wetland	Date project to start Date project to be completed

4. SOIL EROSION AND SEDIMENTATION CONTROL PLAN (Refer to Rule 323.1703)

Note: One (1) complete set of plans must be attached.	Estimated Cost of Erosion and Sediment Control
	Plan Preparer's Name and Telephone Number Area Code ()

5. PARTIES RESPONSIBLE FOR EARTH CHANGE

Name of Landowner (if not provided in Box No. 1 above)		Address	
City	State	Zip Code	Area Code / Telephone Number ()
Name of Individual "On Site" Responsible for Earth Change		Company Name	
City	State	Zip Code	Area Code / Telephone Number ()

6. FEES

_____ Residential:	\$150.00 per acre
_____ Commercial, Sand Pits, or Gravel Pits:	\$150.00 per acre
_____ After the Fact Permits	\$300.00 per acre

I (we) affirm that the above information is accurate and that I (we) will conduct the above described earth change in accordance with Part 91, Soil Erosion and Sedimentation Control, of the natural Resources and Environmental Protection Act, 1994 PA 451, as amended, applicable local ordinances, and the documents accompanying this application and permit.

Landowner's Signature	Print Name	Date
Designated Agent's Signature*	Print Name	Date

*Designated agent must have a written statement from landowner authorizing him / her to secure a permit in the landowner's name.