

CEDAR LAKE DAM INSPECTION REPORT

Dam Identification No.: 1101

Hazard Potential: N/A

City: Alcona County, MI



Prepared for:

Alcona County Drain Commissioner

301 N. Lake Road, P.O. Box 40

Lincoln, MI 48742

(989) 736-8168

roads@alconacrc.com

Prepared By:

Spicer Group, Inc.

230 S. Washington Avenue

Saginaw, Michigan 48607

(989) 754-4717

Inspected By:

Warren T. Miller, P.E.

DATE OF REPORT: OCTOBER 16, 2024



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
WATER RESOURCES DIVISION
DAM INSPECTION REPORT

This form is to be used for inspection reports required by Part 307, Inland Lake Levels, for those dams that do not meet the size criteria as defined by Part 315, Dam Safety, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. Dams six (6) feet or more in height, as defined by Part 315, and impounding five (5) acres or more at the design flood elevation, must meet the inspection report format as outlined in Section 31518 of Part 315.

A person failing to comply, or falsely representing dam conditions, is guilty of misconduct in office.

Dam Name: _____ County: _____

Dam ID: _____ Name of Waterbody: _____

Date of Inspection: _____ Level this date: _____

Section: _____ Town: _____ Range: _____

Date elevation set by Court: _____ Legal level: _____

Drawdown level: _____ High water make elevation: _____

EARTH EMBANKMENTS (LOOKING DOWNSTREAM)

Left Embankment: _____ ft. Right Embankment: _____ ft. Total Length: _____ ft.

	UPSTREAM	CROWN	DOWNSTREAM
VEGETATIVE COVER			
EROSION			
SEEPAGE			
SLIDES, SLUMPS, & CRACKS			
ANIMAL BURROWS			
WAVE ACTION PROTECTION			
REMARKS*			

CONTROL STRUCTURE

TYPE	YEARS CONSTRUCTED	STRUCTURAL HEIGHT (top of dam elevation minus stream invert)
LENGTH OF SPILLWAY	FREEBOARD	HYDRAULIC HEIGHT (design flood elevation minus stream invert)
VERTICAL PIPE SIZE	HORIZONTAL PIPE SIZE	HEAD (normal headwater minus normal tailwater)

DESCRIBE CONDITION OF THE FOLLOWING ITEMS

STOPLOG VALVES AND GATES (open and close to check condition): Check location of top stoplog in relation to top of riser pipe intake box or fixed crest, for leakage, and condition of stoplogs, valves and gates.

OUTLET PIPE: Check for damage from ice, logs, vandalism; inside discharge pipe for settlement and/or joint separation; condition of pipe coating.

CONCRETE STRUCTURE: Check for erosion; location of cracking or spalling. If old or new; settlement; need for crack repairs.

WALKWAY & RAILING: Check if in place or removed, condition, and if adequate protection provided.

TRASHRACK OR LOG BOOM: Check if operable.

EMERGENCY SPILLWAY: Size, type, and condition.

INLET & OUTLET CHANNELS

	INLET	OUTLET
SIZE		
EXISTING CONDITION		
EROSION		
DEBRIS & OBSTRUCTIONS		
RIPRAP PROTECTION		
REMARKS*		

RECOMMENDATIONS:

List work needed, how to be done, by whom, estimated cost, source of funds, recommended completion date. If emergency, to what extent. ADDITIONAL COMMENTS.

Inspection Ordered By: _____ County Delegated Agent

Inspector's Name _____ Signature Warner Miller

P.E. Registration No. _____ Phone: _____

Address: _____

City, State, Zip Code: _____

Please submit this completed report and photographs of the dam, downstream channel, and deficiencies cited in the report to:

DAM SAFETY PROGRAM
LAND AND WATER MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
PO BOX 30458
LANSING MI 48909-7958

*NOTE: If space is inadequate for remarks, attach additional sheets as needed.

If you need this information in an alternate format, contact EGLE-Accessibility@Michigan.gov or call 800-662-9278.

EGLE does not discriminate on the basis of race, sex, religion, age, national origin, color, marital status, disability, political beliefs, height, weight, genetic information, or sexual orientation in the administration of any of its programs or activities, and prohibits intimidation and retaliation, as required by applicable laws and regulations. Questions or concerns should be directed to the Nondiscrimination Compliance Coordinator at EGLE-NondiscriminationCC@Michigan.gov or 517-249-0906.

This form and its contents are subject to the Freedom of Information Act and may be released to the public.

Dam ID	1101	National ID	MI01101	County	Alcona	County #	1
Dam Name	Cedar Lake Level Control Structure			File	Yes	State	Michigan
Popular Name				Plan			
Pond Name	Cedar Lake			Quad	L29SE		
1/4 Section	NE	Sec	15	Town	25N	Range	09E
DEQ District	Cadillac						
City	Green Bush		Distance (mi)	3	Population	0	
Additional Information	Next Inspection date changed from 2005 to 2007 per discussion with CDC (see notes in file). 1/3/2007 BL						
No plan files				Phase I (PL92-367) Inspection	No		
1 Inspection Report				1 Emergency Action Plan			
EAP	Not Required		EAP Last Updated				
Hazard	Low		Compliance Activity	Resolved			
Owner ID	25	Owner	Alcona County Drain Commissioner		Owner Type	Private	
Authority	Part 307		Del. Authority	Alcona County Road Commissioner			
Inspection Date	11/09/2016		Inspector	James E. Tiffany, P.E.			
Report Date	11/15/2016		Next Inspection Date	12/31/2019			
Report Received	11/29/2016		Report Reply Date	2/1/2017		Action Requested	
Condition	Satisfactory		Condition Detail	Meets applicable tolerable risk criteria			
Year Built	1954		Type	Earth Gravity		Purpose	Recreation
Top Of Dam To Streambed (ft)	3		Design Flood ElevationTo Streambed (ft)	3			
Head (Headwater - Tailwater At Normal Flow (ft))	1		Normal Freeboard (ft)				
Pond Acres At Normal Flow	775		Max. Storage (ac-ft)	930		Normal Storage (ac-ft)	31
River	Cedar Lake Outlet		Watershed	02A		Drainage Area (sq. mi)	0
Design Flood			Design Inflow Discharge (cfs)				
Max. Spillway Capacity (cfs)	15		Design Outflow Discharge (cfs)	0			
Spillway Control	Uncontrolled		Spillway Width (ft)	2		Crest Length (ft)	100
Permit No.			Repair Permit No.			Permit Expiration Date	
DEQ/DNR Construction Approval			Property ID	ALCONA CO.DRAIN			
Year Legal Lake Level Established	1954		Winter Level (ft)			Summer Level (ft)	608.5
State Assessed	No		SCS/NRCS	None			
Public Access	No		FERC No.			Latitude	44.571667
Trout Stream			Installed Capacity (kw-hr)	0		Longitude	-83.328333
Lamprey Barrier			Regulatory Agency	Michigan DEQ			
Fish Passage	No						

Print
Record

Close
Inventory

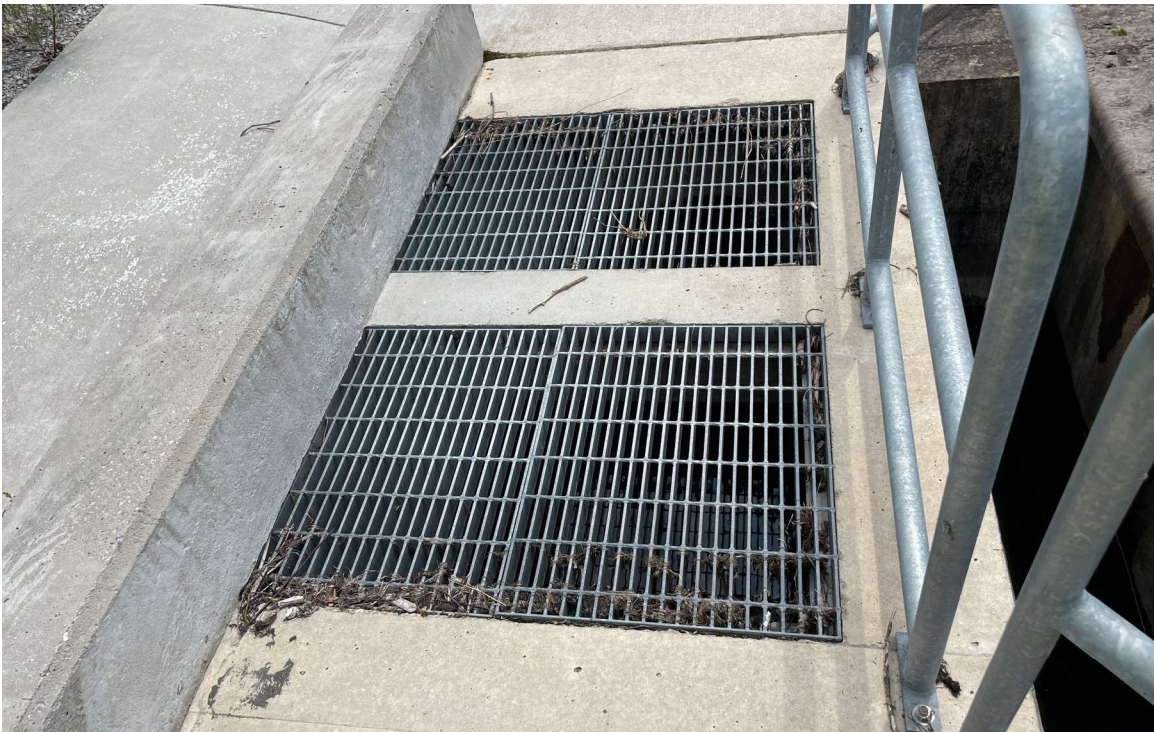
Private on Federal

No

CEDAR LAKE DAM - INSPECTION PHOTOS



Staff gauge at time of inspection



Overflow grates on top of structure



Some debris upstream of the fixed crest wier, not obstructing flow



SSP fixed crest wier



New lake level control structure, constructed in 2020



Gravel parking area on right side of dam, new handrail on upstream side of structure



Overflow catchbasin on left side of structure



Downstream channel - some brush and mud in flow channel



Primary fixed crest wier



Downstream wing wall, some vegetation on right side
wing wall



Some seepage observed on downstream side of SSP cap,
minor