

# 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](mailto:roads@alconacrc.com)**

**Prepared By:**  
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**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 Warren 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](mailto:EGLE-Accessibility@Michigan.gov) or call 800-662-9278.

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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	
City	Green Bush			DEQ District	Cadillac			
<b>Print Record</b>								
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								
<b>Phase I (PL92-367) Inspection</b>								
<b>No</b>								
<b>1 Inspection Report</b>		<b>1 Emergency Action Plan</b>						
EAP	Not Required		EAP Last Updated			Jurisdiction		
Alcona County								
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		<b>Close Inventory</b>		
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 Elevation To 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							

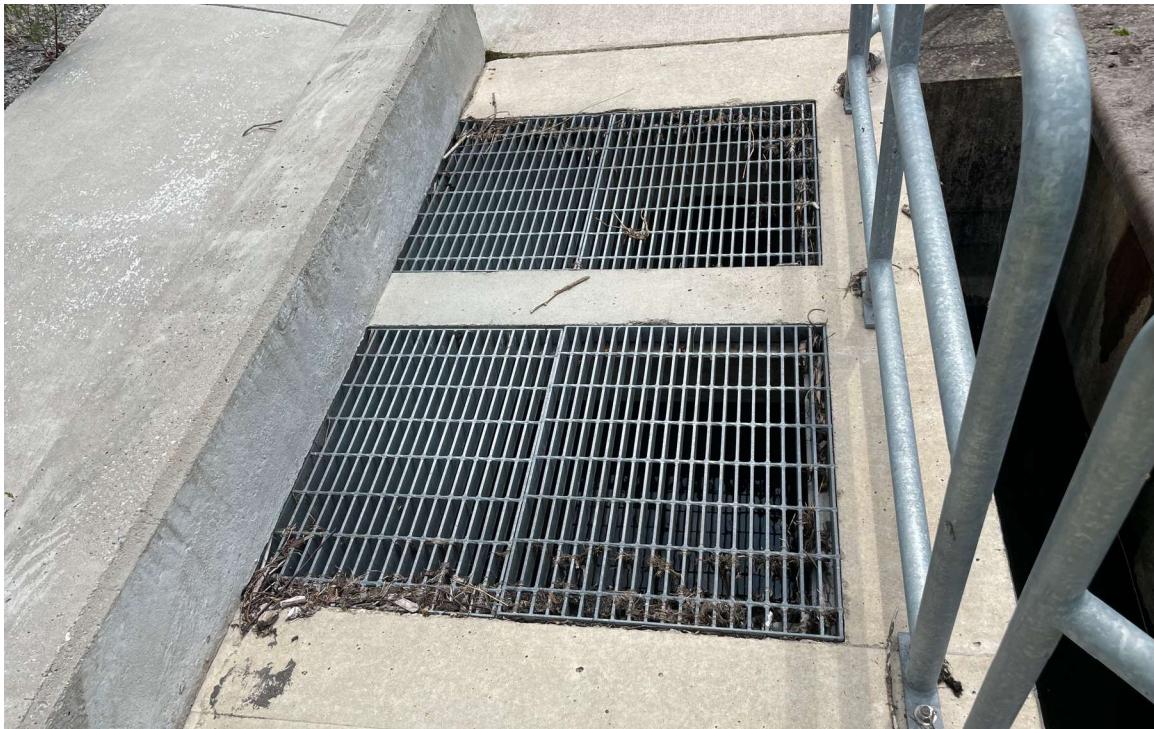
Private on Federal

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