

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

CONTROL STRUCTURE

TYPE Fixed crest SSP weir with concrete box culvert. No mechanism to adjust for legal lake level	YEARS CONSTRUCTED 1954, revised in 1979. Add'l work in 2012, complete replacement in 2020	STRUCTURAL HEIGHT (top of dam elevation minus stream invert) Approx. 4.2 ft.
LENGTH OF SPILLWAY 7' x 3' Concrete Box 48 Lin. Ft.	FREEBOARD 2' +/-	HYDRAULIC HEIGHT (design flood elevation minus stream invert) 4' +/-
VERTICAL PIPE SIZE 2' x 7' opening to 7' x 3' box culvert	HORIZONTAL PIPE SIZE 7' x 3' RCP Box Culvert	HEAD (normal headwater minus normal tailwater) 3.7' +/-

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.

N/A (No gates or valves)

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

7' x 3' box culvert - good condition, recently replaced with 2020 project

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

Good condition, recently replaced with 2020 project

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

Good condition, recently replaced with 2020 project

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.**

- Remove debris downstream of outlet (This is already scheduled to be completed.)
- Remove brush and vegetation growing on downstream wing walls.

Inspection Ordered By: Alcona County Road Commission County Delegated Agent

Inspector's Name Warren Miller Signature Warren Miller

P.E. Registration No. 6201069821 Phone: 906-281-0771

Address: 230 S. Washington Avenue

City, State, Zip Code: Saginaw, MI, 48607

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.

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Private on Federal

No



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



SSP fixed crest wier



Overflow catchbasin on left side of structure



Downstream channel - some brush and mud in flow channel



Some seepage observed on downstream side of SSP cap,
minor