

Detailed Information for Dam Lower Balsam Lake

Seq No	25	Field File No	48.17
Size	LARGE	NID	24
Popular Name		Former Name	

Location

County	Polk	Longitude	-92.450256
Latitude	45.448368		
Permitted PLSS	SENE1034N17W		

Owners

Type	Village	Name	Village of Balsam Lake
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Waterbody

Drainage Basin (sq mi)	24.30		
Stream		Impoundment	
Local Name	BALSAM BRANCH	Local Name	BALSAM LAKE
Row and Official Name		Row and Official Name	
Navigable?	not determined	Size (acres)	2,054.00
When was navigability determined?		Maximum Depth (ft)	37.00

Regulation

Regulatory Authority	Wisconsin	Legal Status	Authorized (31.04)
Physical Status	On Landscape	Hazard Rating	Significant
Operational Status	Normal Operation	Low Head Dam Assessment	Not Evaluated
Compliance Status			
Ch. 31.19 Owner Inspection	Compliant	Ch 31.19 DNR Inspection	Compliant
NR 333 Standards	Required		
NR 333 Compliance Items			
EAP NR 333 Year	2010	IOM NR 333 Year	2010
Capacity NR 333 Year	2012	Stability NR 333 Year	1993
D/S NR 333 Year	2015		

Construction Characteristics

Normal Storage (acre-ft)	12,000.00	Max Storage (acre-ft)	22,300.00
Structural Height (ft)	38.00	Hydraulic Height (ft)	33.00
Crest Length (ft)	220.00	Spillway Type	Controlled
Discharge Through Principal Spillway (cfs)	600.00	Width/Diameter of Principal Spillway (ft)	4.00
Total Discharge Through All Spillways (cfs)	600.00	Total Width/Diameter of All Spillways (ft)	
Core Type	None	Core Position	None
Power Output (mW)	1.00		
Foundation Type	None	Foundation Certainty	
Structural Types	Gravity, Earth		
Structure Purposes	Hydroelectric, Recreation		

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Geomarks

No data found.

Water Levels

	Normal	Winter
Minimum	93.1 ft Datum: Local	Not established
Normal	94.3 ft Datum: Local	Not established
Maximum	Not established	Not established

Construction History

First Dam at Site	1860		
Designer		Construction Firm	Completed (year)
			1916

Outlet Gates

No data found.

Inspection History

Inspection Date	Inspection Report Date	Inspection Type
5/28/2026		Inspection by Owner/Engineering Consultant under Ch. 31.19(2)(ag)
9/15/2022	1/3/2024	Inspection by Owner/Engineering Consultant under Ch. 31.19(2)(ag)
7/15/2015	1/5/2016	Inspection by Owner/Engineering Consultant under Ch. 31.19(2)(ag)
7/17/2012	10/3/2012	Inspection by Owner/Engineering Consultant under Ch. 31.19(2)(ag)
6/11/2008	9/29/2008	Inspection conducted by DNR under Ch. 31.19(2)decennial
11/4/1999		Final inspection of repair/reconstruction/removal, (also for grants)
10/20/1997		Transfer Inspection
10/30/1986	3/30/1987	Inspection conducted by DNR under Ch. 31.19(2)decennial
6/30/1980		General Dam Inspection (Usually prior to 1986)
6/30/1980		Inspection for the purpose of setting or checking water levels
6/23/1965	7/1/1965	Inspection for the purpose of setting or checking water levels
6/23/1965		General Dam Inspection (Usually prior to 1986)
11/5/1963	11/13/1963	Inspection for the purpose of setting or checking water levels
8/18/1961	8/24/1961	Inspection for the purpose of setting or checking water levels
8/29/1950	9/11/1950	Inspection for the purpose of setting or checking water levels
6/24/1947	7/15/1947	Inspection for the purpose of setting or checking water levels
6/24/1947		General Dam Inspection (Usually prior to 1986)
4/17/1945	5/2/1945	Inspection for the purpose of setting or checking water levels
7/27/1944	8/9/1944	Inspection conducted under Ch. 31.19(3) complaint or (4) discretionary
7/14/1938	4/10/1939	Inspection for the purpose of setting or checking water levels
8/10/1937		General Dam Inspection (Usually prior to 1986)
8/10/1937	10/1/1937	Inspection for the purpose of setting or checking water levels
8/2/1926	8/2/1926	Inspection for the purpose of setting or checking water levels
4/10/1924		Informal Inspection to check on status or progress on work directives
6/5/1918	6/10/1918	Inspection for the purpose of setting or checking water levels
5/19/1914		General Dam Inspection (Usually prior to 1986)

Followups

Type of Followup	Due Date	Extension Date	Completion Date
Powerhouse	09/05/2016	12/31/2025	
Inspection, Operation & Maintenance Manual	12/05/2016	06/30/2024	
Emergency Action Plan	12/05/2016	06/30/2024	

Embankment repairs	09/30/2024		
Raceway/canal	12/31/2024		

Approvals

Approval Date	Approval Type
8/1/2010	Assignment of Hazard Rating
3/1/2010	Inspection, Operation and Maintenance Plan
2/1/2010	Emergency Action Plan
12/1/2001	Hydrology & Hydraulic Analysis
12/1/2001	Dam Failure Analysis
11/1/2001	Assignment of Hazard Rating
11/1/1993	Hydrology & Hydraulic Analysis
11/1/1993	Dam Failure Analysis
11/1/1993	Stability Analysis
11/1/1993	Assignment of Hazard Rating
7/1/1918	Levels; Stat 31.02

Orders

No data found.

Inspection Schedule

Inspection Year	Inspection Type
2028	DNR

Analysis

Analysis Seq No	Date	Type	Project	WIDNR Status	FEMA Status
1336	10/1/1978	Hydrology / Hydraulics Developed at a Dam		Approved	NotRequired