

Detailed Information for Dam Iola

Seq No	328	Field File No	68.03
Size	LARGE	NID	337
Popular Name		Former Name	

Location

County	Waupaca	Longitude	-89.130433
Latitude	44.509362		
Permitted PLSS	SENW3524N11E		

Owners

Type	Village	Name	Village of Iola
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Waterbody

Drainage Basin (sq mi)	100.00		
Stream		Impoundment	
Local Name	SOUTH BRANCH LITTLE WOLF	Local Name	IOLA LAKE
Row and Official Name		Row and Official Name	
Navigable?	navigable	Size (acres)	206.00
When was navigability determined?	1947	Maximum Depth (ft)	11.00

Regulation

Regulatory Authority	Wisconsin	Legal Status	Authorized (31.04)
Physical Status	On Landscape	Hazard Rating	Significant
Operational Status	Normal Operation	Low Head Dam Assessment	No
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	2014	IOM NR 333 Year	2014
Capacity NR 333 Year	2005	Stability NR 333 Year	
D/S NR 333 Year	2012		

Construction Characteristics

Normal Storage (acre-ft)	638.00	Max Storage (acre-ft)	1,000.00
Structural Height (ft)	12.00	Hydraulic Height (ft)	8.00
Crest Length (ft)	694.00	Spillway Type	Controlled
Discharge Through Principal Spillway (cfs)	810.00	Width/Diameter of Principal Spillway (ft)	15.00
Total Discharge Through All Spillways (cfs)	810.00	Total Width/Diameter of All Spillways (ft)	15.00
Core Type	None	Core Position	None
Power Output (mW)			
Foundation Type	None	Foundation Certainty	
Structural Types	Gravity, Earth		
Structure Purposes	Recreation		

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Geomarks

Mark Seq No	Old Mark Id	Elevation	Datum	Status	Status Date	Location Description
15834	148-C	92.89	Local	Verified (Surveyed)	8/26/1949	BM 148-C IS A BRONZE TABLET MARKED PSC SET IN UPSTREAM END OF THE RIGHT WALL OF WASTEGATE SECTION
15835	148-D	90.3	Local	Verified (Surveyed)	6/20/1975	BM 148-D IS A 2 IN. CHISELED SQUARE IN THE N CORNER OF THE UPSTREAM ABUTMENT WALL OF HWY 49 BRIDGE OVER TAILRACE.
15836	148-E	947.76	USGS	Verified (Surveyed)	9/1/1987	BLUE '+' NEXT TO BRASS CAP BM B-68-29-72 ON SE CORNER OF BRIDGEWALL STH 49

Water Levels

	Normal	Winter
Minimum	948.73 ft Datum: MSL	Not established
Normal	949.03 ft Datum: MSL	Not established
Maximum	91.8 ft Datum: Local	Not established

Construction History

First Dam at Site 1865

Designer	Construction Firm	Completed (year)
		1947
Davy		2013

Outlet Gates

No data found.

Inspection History

Inspection Date	Inspection Report Date	Inspection Type
10/16/2024		Inspection conducted by DNR under Ch. 31.19(2)decennial
9/16/2021	4/9/2024	Inspection by Owner/Engineering Consultant under Ch. 31.19(2)(ag)
8/23/2018	3/7/2019	Inspection by Owner/Engineering Consultant under Ch. 31.19(2)(ag)
6/28/2014	10/20/2014	Inspection by Owner/Engineering Consultant under Ch. 31.19(2)(ag)
6/28/2012		Inspection by Owner/Engineering Consultant under Ch. 31.19(2)(ag)
6/17/2010	7/13/2010	Inspection conducted by DNR under Ch. 31.19(2)decennial
8/9/2005		Inspection conducted under Ch. 31.19(3) complaint or (4) discretionary
6/26/2001	8/1/2001	Inspection conducted by DNR under Ch. 31.19(2)decennial
8/20/1987		Inspection conducted by DNR under Ch. 31.19(2)decennial
6/11/1985		Inspection for the purpose of setting or checking water levels
6/15/1981	6/19/1981	Inspection for the purpose of setting or checking water levels
3/18/1981	3/24/1981	General Dam Inspection (Usually prior to 1986)
7/15/1980		General Dam Inspection (Usually prior to 1986)
6/15/1980		Inspection for the purpose of setting or checking water levels
6/24/1975		Inspection for the purpose of setting or checking water levels
6/20/1975		Inspection for the purpose of setting or checking water levels
1/30/1975	2/6/1975	General Dam Inspection (Usually prior to 1986)
7/26/1974	8/13/1974	General Dam Inspection (Usually prior to 1986)
8/2/1961	8/14/1961	General Dam Inspection (Usually prior to 1986)
8/26/1949	9/8/1949	General Dam Inspection (Usually prior to 1986)
10/10/1939	2/10/1940	General Dam Inspection (Usually prior to 1986)
8/22/1931		General Dam Inspection (Usually prior to 1986)
8/18/1920	10/15/1920	General Dam Inspection (Usually prior to 1986)
6/29/1915		General Dam Inspection (Usually prior to 1986)

Followups

Type of Followup	Due Date	Extension Date	Completion Date
Gate(s)	09/30/2019	10/31/2024	
Embankment repairs	10/31/2024		
Seepage/drainage	03/31/2025		
Emergency Action Plan	03/31/2025		
Concrete repairs	06/30/2025		

Approvals

Approval Date	Approval Type
	Plan Appr. Repair/Recon; Stat 31.18
10/1/2014	Inspection, Operation and Maintenance Plan
10/1/2014	Emergency Action Plan
9/1/2012	Plan Appr. Repair/Recon; Stat 31.18
7/1/2012	Assignment of Hazard Rating
8/1/2005	Assignment of Hazard Rating
8/1/2005	Dam Failure Analysis
4/1/1998	Plan Appr. Repair/Recon; Stat 31.18
9/1/1996	Approval for Temporary Drawdown; Stat 31.02
6/1/1977	Dam Transfer; Stat 31.185B
9/1/1964	Dam Transfer; Stat 31.185B

Orders

No data found.

Inspection Schedule

Inspection Year	Inspection Type
2028	Owner
2031	Owner
2034	DNR

Analysis

Analysis Seq No	Date	Type	Project	WIDNR Status	FEMA Status
20311	8/1/2005	Dam Failure Analysis	Iola Dam DFA	Approved	NotRequired