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# MnRAM Access Database Reports

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1



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## MnRAM Reports

- Report Section
  - Summary Report
  - Individual Site Response Report
  - LGU Report
- Summary tab reports
  - Classification Report
  - Print Summary



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2

# MnRAM Report Overview

Because MnRAM has evolved over the years in response to user requests, data reporting has some quirks.

Some reports work best on-screen. Others are formatted for printing. There are two different locations for running out different reports.

If you have technical expertise and want to format a unique report with your data, you can use the Export Data feature with other software to pull the data you want into a new external document.

**Data Management**

- Add New Wetland
- Copy Wetland to New Wetland
- Copy Wetland
- Import/Export Data
- Import GIS Data
- Delete Active Wetland

**Reports**

- Update Functional Summary
- Run Summary Report
- Individual Site Response Report
- LGU Report

# MnRAM Report Locations

## Report Section vs. Summary Tab

- The Report section is located along the right side of the database screen.
- The Summary Tab is located in the “back” row of tabs along the top.

**Data Management**

- Add New Wetland
- Copy Wetland to New Wetland
- Copy Wetland
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- Import GIS Data
- Delete Active Wetland

**Reports**

- Update Functional Summary
- Run Summary Report
- Individual Site Response Report
- LGU Report

Minnesota Routine Assessment Method for Evaluating Wetland Functions Version 3.4

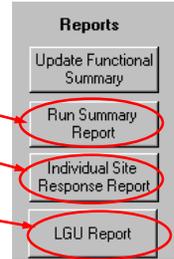
Search for Wetland: 27-118-23-01-057-A Venus Active Wetland: 27-118-23-01-057-A Ver

Questions in red should be answered prior to site visit.

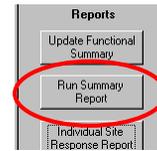
Habitat (35 - 47)	Value (48 - 57)	Groundwater (58 - 63)	Additional Information (64 - 72)	Summary
General Information	Introduction	Special Features	Vegetation (1 - 6)	Hydrology and Soils (7 - 22)
				Butter and Shores (23 - 34)

# Report Section

Run Summary Report  
 Individual Site Response  
 LGU Report



# Run Summary Report



Zoom

## Wetland Community and Hydrology Summary City Of Long Lake Minnehaha Creek Watershed District

Wetland ID	Subwatershed	Wetland Size (acres)	Wetland Type		Plant Community	Hydrologic Setting	Topographic Setting
			Cowardin	Circular39			
D-117-23-03-044	Lake Minnetonka	33.916	PEMB, PFO1A	Type 2, Type 7	Fresh (Wet) Meadow, Floodplain Forest	Floodplain	Flowthrough
D-118-23-33-002	Long Lake Creek	8.038	PEMC	Type 3	Deep Marsh	Depressional	Flowthrough
D-118-23-34-008	Long Lake Creek	0.696	PEMC, PFO1A	Type 3, Type 1	ShallowMarsh, Floodplain Forest	Depressional	Tributary
D-118-23-34-009	Long Lake Creek	0.509	PUBF, PEMC	Type 4, Type 3	Deep Marsh, ShallowMarsh	Depressional	Tributary
D-118-23-34-012	Lake Minnetonka	3.989	pfob, PEMB	Type 7, Type 2	Hardwood Swamp, Fresh (Wet) Meadow	Depressional	Flowthrough
D-118-23-34-015	Lake Minnetonka	1.392	PFO1A, PUBG	Type 1, Type 4	Floodplain Forest, Fresh (Wet) Meadow	Depressional	Tributary
D-118-23-34-016	Long Lake Creek	0.563	PEMC	Type 3	ShallowMarsh	Depressional	Tributary
D-118-23-34-017	Long Lake Creek	1.46	PEMC	Type 3	ShallowMarsh	Depressional	Tributary
D-118-23-34-018	Long Lake Creek	0.485	PUBH, PEMC	Type 5, Type 3	Shallow, Open Water Communities, ShallowMarsh	Depressional	Tributary
D-118-23-34-019	Long Lake Creek	1.554	PUBH, PEMC	Type 5, Type 3	Shallow, Open Water Communities, ShallowMarsh	Depressional	Flowthrough
D-118-23-34-020	Long Lake Creek	1.186	PEMC	Type 3	ShallowMarsh	Laoustrine Fringe	Isolated
D-118-23-35-002	Long Lake Creek	0	PEMC, PFO1C	Type 2, Type 7	Fresh (Wet) Meadow	Laoustrine Fringe	Shoreland
D-118-23-35-006	Long Lake Creek	0.484	PUBH	Type 5	Shallow, Open Water Communities	Depressional	Isolated

# Individual Site Response Summary

**MIRAM: Site Response Record**  
 For Wetland 27-18-22-01-027-A Venus  
 Location: 27-18-22-00-027

**Barlight Area**

Area Community: 27-18-22-01-027-A  
 Cowardin Classification: 27-18-22-01-027-A  
 SCS Code: 27-18-22-01-027-A

Area Community: Sedge Meadow  
 Cowardin Classification: Sedge Meadow  
 SCS Code: Sedge Meadow

1. Is the site open water?  No  Yes

2. Are there any structures?  No  Yes

3. Are there any structures?  No  Yes

4. Are there any structures?  No  Yes

5. Are there any structures?  No  Yes

6. Are there any structures?  No  Yes

7. Are there any structures?  No  Yes

8. Are there any structures?  No  Yes

9. Are there any structures?  No  Yes

10. Are there any structures?  No  Yes

11. Are there any structures?  No  Yes

12. Are there any structures?  No  Yes

13. Are there any structures?  No  Yes

14. Are there any structures?  No  Yes

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18. Are there any structures?  No  Yes

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24. Are there any structures?  No  Yes

25. Are there any structures?  No  Yes

26. Are there any structures?  No  Yes

27. Are there any structures?  No  Yes

28. Are there any structures?  No  Yes

29. Are there any structures?  No  Yes

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33. Are there any structures?  No  Yes

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71. Are there any structures?  No  Yes

72. Are there any structures?  No  Yes

73. Are there any structures?  No  Yes

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79. Are there any structures?  No  Yes

80. Are there any structures?  No  Yes

81. Are there any structures?  No  Yes

82. Are there any structures?  No  Yes

83. Are there any structures?  No  Yes

84. Are there any structures?  No  Yes

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89. Are there any structures?  No  Yes

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92. Are there any structures?  No  Yes

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95. Are there any structures?  No  Yes

96. Are there any structures?  No  Yes

97. Are there any structures?  No  Yes

98. Are there any structures?  No  Yes

99. Are there any structures?  No  Yes

100. Are there any structures?  No  Yes

**Reports**

Update Functional Summary

Run Summary Report

**Individual Site Response Report**

Shows your responses to each question for a single site.  
 Does not show vegetation rating.

# LGU Report/Site Assessment

**Appendix A: Dominant Species By Plant Community**

Wetland Type	Plant Community	Dominant Species	Percent Cover
PEM1 Type 3	Shallow Marsh	Lesser duckweed	> 10-25%
		Hybrid cattail	> 10-25%
		Broad-leaved cattail	> 10-25%
PEM1 Type 2	Sedge Meadow	Soft stem bulrush	> 10-25%
		Sandbar willow	> 10-25%
		Riddell's goldenrod	> 10-25%
		Reed canary grass	> 10-25%
		Lake sedge	> 25-50%

The last page gives a detailed listing of the dominant species listed for each vegetative community, along with the Cowardin and Circular 39 classifications chosen by the reviewer.

# Summary Tab

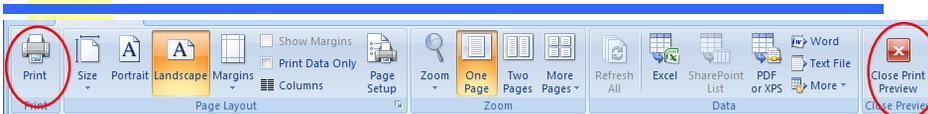
General Information	Introduction	Special Features	Vegetation (1 - 6)	Hydrology and Soils (7 - 22)	Buffer and Shore (23 - 34)
Habitat (35 - 47)	Value (48 - 57)	Groundwater (58 - 63)	Additional Information (64 - 72)	Summary	

Complete Refresh Values Print Summary

Vegetative Diversity	3a. Proportion of Wetland (Percent Given)	3b. Individual Community Scores (VegQuality Ind)	3c. Highest Rated Community Quality	3d. Non-Weighted Average	3e. Weighted Average
Community #1	60.00	0.10			
Community #2	20.00	0.60			
Community #3	20.00				
Community #4					
Community #5					
Community #6					
Community #7					
Overall Wetland Vegetative Diversity			0.50	0.37	0.26
Maintenance of Hydrologic Regime	0.65	Moderate		Moderate	Low
Flood/Stormwater /Attenuation	0.77	High			

This is the last tab in the database, where you can see individual ratings for each function for that particular wetland.

# Summary Tab Reports



Wetland Name	Hydrogeomorphology	Maintenance of Hydrologic Regime	Flood Attenuation	Dispersal of Water Quality	Maintenance of Wetland Water Quality	Shoreline Protection
27-118-0201-0021A Value	0.84	0.00	0.00	0.00	0.00	0.00

Wetland Name	Maintenance of Channel/Flow Regime	Maintenance of Characteristic Fish Habitat	Maintenance of Characteristic Aquatic Habitat	Aesthetics/ Recreation/ Economy/ Cultural	Commercial Uses	Channel Bank Instability	Wetland Production Potential	Wetland Sensitivity to Disturbance and Climate Change	Additional Streamer Treatment Needs
27-118-0201-0021A Value	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Press <Print> to send to your printer  
or  
<Close Print Preview> to return to the previous screen.

# Summary Report (on Summary tab)

Wetland Functional Assessment Summary (from previous slide)

- A complete summary of the wetland
- Numeric and text ratings of all functions.
- Vegetative communities, with ratings.

Wetland Functional Assessment Summary									
Wetland Name	Wetland Category	Minimum of Observed Wetland Function							
Wetland Name	Wetland Category	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Additional Information									
Wetland Name	Wetland Category	Minimum of Observed Wetland Function							
Wetland Name	Wetland Category	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Wetland Community Summary									
Wetland Name	Location	Vegetative Diversity/Abundance							
		Community	Observed Community	Percent of Community	Wetland Community Rating				
Wetland Name	Location	Community	Observed Community	Percent of Community	Wetland Community Rating				
		Type I Plant/Forest	30	0.3	High	Medium	Highly Degraded	Highly Degraded	Highly Degraded
		Type II Plant/Forest	1	0.01	High	Medium	Highly Degraded	Highly Degraded	Highly Degraded
		Type III Plant/Forest	10	0.1	High	Medium	Highly Degraded	Highly Degraded	Highly Degraded

# Other Summary Tab Reports

- Classification Report is a print-formatted summary of Management Classification.

Search for Wetland:  Active Wetland: Gummops Questions in red should be answered prior to site visit.

General Information	Introduction	Special Features	Vegetation (1 - 6)	Hydrology and Soils (7 - 22)	Buffer and Shore (23 - 34)
Habitat (35 - 47)	Value (48 - 57)	Groundwater (58 - 63)	Additional Information (64 - 72)	Summary	

Complete Refresh Values Print Summary **Classification Report**

MnRAM Summary Results	MC - Standard Results	MC - Adjustable Flowchart
<b>Vegetative Diversity</b>	<b>3a. Proportion of Wetland</b>	<b>3b. Individual Community Scores</b>
	(Percent Given)	(VegQuality Ind)
Community #1	20.00	0.50
Community #2	60.00	0.10

# Summary Tab Reports, cont.

## MANAGEMENT CLASSIFICATION (MC)

- MC-Standard Results
- MC-Adjustable Flowchart

Search for Wetland:  Active Wetland: Gummops Questions in red should be answered prior to site visit.

General Information	Introduction	Special Features	Vegetation (1 - 6)	Hydrology and Soils (7 - 22)	Buffer and Shore (23 - 34)
Habitat (35 - 47)	Value (48 - 57)	Groundwater (58 - 63)	Additional Information (64 - 72)		

Complete

MnRAM Summary Results: **MC - Standard Results** | MC - Adjustable Flowchart

Vegetative Diversity

3a. Proportion of Wetland	3b. Individual Community	3c. Highest Rated	3d. Non-Weighted	3e. Weighted Average
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13

## MC-Standard Results

Habitat (35 - 47) | Value (48 - 57) | Groundwater (58 - 63) | Additional Information (64 - 72) | Summary

Complete

MnRAM Summary Results: MC - Standard Results | MC - Adjustable Flowchart

Management Classification, Results for this Site

Basic Wetland Protection	Increased Wetland Protection
Basic Protection Standard: Manage 1	Increased Protection Standard: Preserve
Properties	Properties
Maintenance of Characteristic Amphibian Habitat	Maintenance of
Rating(s)	

Formula:  $(Q43) * [(Q44 + 2 * Q23 * \text{wildlife} + Q14 + Q41 + Q20) n$

#	Value	Rank	Description
43	1	High	Amphib breeding potential—fish prese
44	0	NA	Amphib & reptile overwintering habits
23	1	High	Buffer width
14	0.5	Med	Upland land use
41	0.5	Med	Wildlife barriers

Criteria: 48=1  
Formula: Exceptional for unique or rare opportunity

#	Value	Rank	Description
48	1	High	Unique/rare educ./cultural/rec.oppo

For a print version of this report, press <Classification Report>.

It shows the function that causes the wetland to fall into the protection standard, the formula for that function and the questions that go into the formula, and the values for each of those questions.

14

# MC-Adjustable Flowchart



Functional Ratings remain unchanged

Adjusting the knobs does not change the functional ratings. Those are shown in the blue bar and change only when responses to questions are changed. Turning the knobs affects what happens with functional ratings, not underlying data.

# MC—Printable Report

The critical function that caused this wetland to rank as **Manage 1** was **Maintenance of Characteristic Amphibian Habitat**

Details of the formula for this action are shown below:

**Maintenance of Characteristic Amphibian Habitat**  $(Q43) * [(Q44 + 2 * Q23 \text{wildlife} + Q14 + Q41 + Q20 \text{reversed}) / 6]$

Question	Value	Description
14	0.5	Upland land use
20	1	Stormwater runoff
23	1	Buffer width
41	0.5	Wildlife barriers
43	1	Amphib breeding potential--fish presence
44	0	Amphib & reptile overwintering habitat

This report was printed on: Tuesday, November 09, 2010

\* The classification value settings for these functions are not adjustable

The lower portion of the page describes the critical function, shows its formula and the questions that go into calculating it.

The individual responses to each of those questions is also shown.

# MC-Report Flexibility

**Management Classification Report for 27-118-23-01-057-A Venus** **Starlight Acres**

ID: 6 HENNEPIN County  
Mississippi (Metro) Watershed, #20  
Corps Bank Service Area 7

Based on the MnRAM data input from field and office review and using the classification settings as shown below, this wetland is classified as Preserve

Functional rank of this wetland based on MnRAM data	Functional Category	Self-defined classification value settings for this management level
Moderate	Vegetative Diversity/Integrity	Exceptional
Moderate	Habitat Structure (wildlife)	Exceptional
Moderate	Amphibian Habitat	Moderate
Not Applicable	Fish Habitat	Exceptional
Not Applicable	Shoreline Protection	High
Exceptional	Aesthetic/Cultural/Rec/Ed and Habitat	Exceptional / High
Moderate	Stormwater/Urban Sensitivity and Vegetative Diversity	Exceptional / Moderate
High	Wetland Water Quality and Vegetative Diversity	High / High
High	Characteristic Hydrology and Vegetative Diversity	High / High
Moderate	Flood/Stormwater Attenuation*	-
Not Applicable	Commercial use*	-
Moderate	Downstream Water Quality*	-

The Classification Report reflects the change.