

Wisconsin Department of Natural Resources
SWIMS Project Summary

General Project Information

Project ID: LPL-003 (4003-01)

Name: VILLAGE OF GRESHAM: Lower Red Lake Data Collection & Management Planning

Type: Lakes Grant

Subtype: Large Scale Lake Planning

Status: COMPLETE

Start Date: 12/20/1990

End Date: 12/31/1991

Purpose: Assemble and review existing data on the lake and watershed. Define data gaps from above and gather additional information to include: a) water quality sampling at 3 sites to include all or some of the parameters in table 1 of the application, b) sediment sample to be analyzed for % organics, total solids, total-P, ammonia N, Kjeldahl N. Develop and implement a public involvement program. Prepare land use map for lake and watershed. Identify and evaluate existing ordinances related to non-point pollution control. Develop draft report for public review and comment. Prepare and distribute lake management plan. Information will be disseminated through newsletter mailings, fact sheet distributions, public meetings, local newspaper articles, and TV/radio spots (if possible). Project results will be reposted at Town Halls (Herman and Red Springs), Village Hall (Gresham), and County Courthouse (Shawano).

Objective:

Comments: Grantee is VILLAGE OF GRESHAM

Outcome:

Study Design:

QA Measures:

People						
Name	Role	Status	Start Date	End Date	Organization	Comments
Village of Gresham,	GRANT_RECIPIENT	ACTIVE	12/20/1990	12/31/1991	Village of Gresham	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start Date	End Date	Status
Lake Management Plan Development	Assemble and review existing data on the lake and watershed. Define data gaps from above and gather additional information to include: a) water quality sampling at 3 sites to include all or some of the parameters in table 1 of the application, b) sediment sample to be analyzed for % organics, total solids, total-P, ammonia N, Kjeldahl N. Develop and implement a public involvement program. Prepare land use map for lake and watershed. Identify and evaluate existing ordinances related to non-point pollution control. Develop draft report for public review and comment. Prepare and distribute lake management plan. Information will be disseminated through newsletter mailings, fact sheet distributions, public meetings, local newspaper articles, and TV/radio spots (if possible). Project results will be reposted at Town Halls (Herman and Red Springs), Village Hall (Gresham), and County Courthouse (Shawano).	12/20/1990	12/31/1991	PROPOSED
Monitor Water Quality or Sediment	Assemble and review existing data on the lake and watershed. Define data gaps from above and gather additional information to include: a) water quality sampling at 3 sites to include all or some of the parameters in table 1 of the application, b) sediment sample to be analyzed for % organics, total solids, total-P, ammonia N, Kjeldahl N. Develop and implement a public involvement program. Prepare land use map for lake and watershed. Identify and evaluate existing ordinances related to non-point pollution control. Develop draft report for public review and comment. Prepare and distribute lake management plan. Information will be disseminated through newsletter mailings, fact sheet distributions, public meetings, local newspaper articles, and TV/radio spots (if possible). Project results will be reposted at Town Halls (Herman and Red Springs), Village Hall (Gresham), and County Courthouse (Shawano).	12/20/1990		PROPOSED

Wisconsin Department of Natural Resources SWIMS Project Summary

Grant Awarded	Assemble and review existing data on the lake and watershed. Define data gaps from above and gather additional information to include: a) water quality sampling at 3 sites to include all or some of the parameters in table 1 of the application, b) sediment sample to be analyzed for % organics, total solids, total-P, ammonia N, Kjeldahl N. Develop and implement a public involvement program. Prepare land use map for lake and watershed. Identify and evaluate existing ordinances related to non-point pollution control. Develop draft report for public review and comment. Prepare and distribute lake management plan. Information will be disseminated through newsletter mailings, fact sheet distributions, public meetings, local newspaper articles, and TV/radio spots (if possible). Project results will be reposted at Town Halls (Herman and Red Springs), Village Hall (Gresham), and County Courthouse (Shawano).	12/20/1990		COMPLETE
Data analysis, report production	Assemble and review existing data on the lake and watershed. Define data gaps from above and gather additional information to include: a) water quality sampling at 3 sites to include all or some of the parameters in table 1 of the application, b) sediment sample to be analyzed for % organics, total solids, total-P, ammonia N, Kjeldahl N. Develop and implement a public involvement program. Prepare land use map for lake and watershed. Identify and evaluate existing ordinances related to non-point pollution control. Develop draft report for public review and comment. Prepare and distribute lake management plan. Information will be disseminated through newsletter mailings, fact sheet distributions, public meetings, local newspaper articles, and TV/radio spots (if possible). Project results will be reposted at Town Halls (Herman and Red Springs), Village Hall (Gresham), and County Courthouse (Shawano).	12/20/1990		PROPOSED
Monitor Paleocore	Assemble and review existing data on the lake and watershed. Define data gaps from above and gather additional information to include: a) water quality sampling at 3 sites to include all or some of the parameters in table 1 of the application, b) sediment sample to be analyzed for % organics, total solids, total-P, ammonia N, Kjeldahl N. Develop and implement a public involvement program. Prepare land use map for lake and watershed. Identify and evaluate existing ordinances related to non-point pollution control. Develop draft report for public review and comment. Prepare and distribute lake management plan. Information will be disseminated through newsletter mailings, fact sheet distributions, public meetings, local newspaper articles, and TV/radio spots (if possible). Project results will be reposted at Town Halls (Herman and Red Springs), Village Hall (Gresham), and County Courthouse (Shawano).	12/20/1990	12/31/1991	PROPOSED

Wisconsin Department of Natural Resources
SWIMS Project Summary

Watershed Mapping or Assessment	Assemble and review existing data on the lake and watershed. Define data gaps from above and gather additional information to include: a) water quality sampling at 3 sites to include all or some of the parameters in table 1 of the application, b) sediment sample to be analyzed for % organics, total solids, total-P, ammonia N, Kjeldahl N. Develop and implement a public involvement program. Prepare land use map for lake and watershed. Identify and evaluate existing ordinances related to non-point pollution control. Develop draft report for public review and comment. Prepare and distribute lake management plan. Information will be disseminated through newsletter mailings, fact sheet distributions, public meetings, local newspaper articles, and TV/radio spots (if possible). Project results will be reposted at Town Halls (Herman and Red Springs), Village Hall (Gresham), and County Courthouse (Shawano).	12/20/1990	12/31/1991	PROPOSED
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Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
327800	1	Red Lake, Lower (Weed Dam Pond)	Lower Red Lake

Lab Account Codes

Account Code	Description	Start Date	End Date
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Forms

Form Code	Form Name
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Methods

Method Code	Method Description
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Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
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Documents

Wisconsin Department of Natural Resources
SWIMS Project Summary

Title	Description	Author	Published	Comments
Lake Management Plan, Lower Red Lake, Shawano County, Wisconsin	Lower Red Lake, Shawano County, Wisconsin, is an impoundment of the Red River created by construction of a dam in 1965. Its location, immediately downstream from Upper Red Lake (impoundment created in 1880), makes Lower Red Lake a rather unique impoundment in that parent river inflow is "sediment poor". A primarily forested watershed also contributes to relatively low sediment and nutrient input to the system as a whole. Lower Red Lake water quality is presently good with respect to all parameters measured but appears to be affected by periodic nutrient "pulses". Upper and Lower Red Lakes, despite similar watersheds, chemical water quality and basin morphometry, support dense but taxonomically different macrophyte populations. Differences are probably related to impoundment age (successional implications) or location (associated substrate or physical water quality differences) and should be investigated further before intensive macrophyte management or habitat manipulation is initiated. Long term management should emphasize water quality maintenance/enhancement and macrophyte management to improve accessibility and fishery potential. Specific near-term recommendations include: -Identification of non-point sources and implementation of preventative riparian land use practices to retard localized sediment or nutrient inflows - Continued study of macrophytes with emphasis on substrate and habitat relations in areas of highest concern - Localized application of macrophyte harvest alternatives to create access lanes and "edge" effect - Follow-up evaluation of macrophyte control techniques to determine the most cost effective and temporally efficient methods available for long-term application	IPS Environmental and Analytical Services	5/31/1992	

Budget

7/27/2024

Wisconsin Department of Natural Resources
SWIMS Project Summary

Combined Budgets:
Combined WSLH:
Combined Total: \$0.00

Funding					
Organization	Source	Type	Amount	Start Date	End Date