

Wisconsin Department of Natural Resources
SWIMS Project Summary

General Project Information

Project ID: LPL-1129-07

Name: VILLAGE OF CHENEQUA: Village of Chenequa Modeling

Type: Lakes Grant

Subtype: Large Scale Lake Planning

Status: COMPLETE

Start Date: 10/1/2006

End Date: 6/30/2010

Purpose: Develop a planning project to include a technically and scientifically sound management program for the chain of lakes within and adjacent to the Village of Chenequa to guide the Village board and neighboring units of government to provide consistent principles of sustainable water resource development. Two paper copies and one electronic copy of the groundwater flow model and documentation will be provided to the department. The summary and model report will contain the results of the following project deliverables:

- " Discussion of the dynamics of the shallow groundwater system of the Village of Chenequa and environs in northwestern Waukesha County.
- " Evaluation of the role groundwater plays to maintain lake levels with and adjacent to the Village of Chenequa, particularly for Beaver, Cornell North and Pine Lakes.
- " Development and calibration of a three-dimensional groundwater flow model (MODFLOW) as a tool to simulate the effects of future development and groundwater withdrawals on lakes, streams and shallow groundwater flow.
- " Database of groundwater level and base flow estimates used for calibration.

Exact details for deliverables are described in the project description.

Objective:

Comments: Grantee is VILLAGE OF CHENEQUA

Outcome:

Study Design:

QA Measures:

People						
Name	Role	Status	Start Date	End Date	Organization	Comments
Village Of Chenequa,	GRANT_RECIPIENT	ACTIVE	10/1/2006	6/30/2010	Village Of Chenequa	

Project Statuses			
Date	Reported By	Status	Comments

Actions				
Action	Detailed Description	Start Date	End Date	Status
Grant Awarded	Develop a planning project to include a technically and scientifically sound management program for the chain of lakes within and adjacent to the Village of Chenequa to guide the Village board and neighboring units of government to provide consistent principles of sustainable water resource development.	10/1/2006		COMPLETE

Wisconsin Department of Natural Resources
SWIMS Project Summary

Project Deliverable	technically and scientifically sound management program for the chain of lakes within and adjacent to the Village of Chenequa to guide the Village board and neighboring units of government to provide consistent principles of sustainable water resource development. Two paper copies and one electronic copy of the groundwater flow model and documentation will be provided to the department. The summary and model report will contain the results of the following project deliverables: " Discussion of the dynamics of the shallow groundwater system of the Village of Chenequa and environs in northwestern Waukesha County. " Evaluation of the role groundwater plays to maintain lake levels with and adjacent to the Village of Chenequa, particularly for Beaver, Cornell North and Pine Lakes. " Development and calibration of a three-dimensional groundwater flow model (MODFLOW) as a tool to simulate the effects of future development and groundwater withdrawals on lakes, streams and shallow groundwater flow. " Database of groundwater level and base flow estimates used for calibration.	10/1/2006	6/30/2010	PROPOSED
Grant Awarded	Develop a planning project to include a technically and scientifically sound management program for the chain of lakes within and adjacent to the Village of Chenequa to guide the Village board and neighboring units of government to provide consistent principles of sustainable water resource development.	10/1/2006	6/30/2010	COMPLETE
Lakes Planning Grant		10/1/2006	6/30/2010	PROPOSED

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
774400	1	Beaver Lake	Beaver Lake
779200	1	Pine Lake	Pine Lake
850800	1	North Lake	North Lake
851000	1	Cornell Lake	Cornell Lake
5574338	1	Local Water	Unnamed

Lab Account Codes

Account Code	Description	Start Date	End Date
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Forms

Form Code	Form Name
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Wisconsin Department of Natural Resources
SWIMS Project Summary

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

Title	Description	Author	Published	Comments
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Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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