

**McMullen & Associates, Incorporated**  
**Land Surveying & Soil Testing**

*copy of  
per test from  
2002*

9832 Bolger Lake Road  
Minocqua, Wisconsin 54548

Phone 715-356-3011

October 7, 2002

Gary Gundlach  
Ridgeview Construction  
P.O. Box 10  
Harshaw, Wisconsin 54529

Dear Gary:

Enclosed you will find your copy of the soil testing form ("Soil Evaluation Report") and a bill for \$500.00 for the soil test we performed on the Klassen parcel (Section 7, Township 34 North, Range 9 East) in Parrish by Two Island Lake. The area we tested is suitable for a 2 bedroom, conventional (in-ground) septic system. On the location map, you will find the location and description of a Bench Mark tree. Do not cut or destroy this tree because it is vital in both the horizontal and vertical location of your system.

Sincerely,



Benton A. McMullen  
Wisconsin Licensed Land Surveyor  
Wisconsin Licensed Soil Tester

Wisconsin Department of Commerce  
Division of Safety and Buildings

# SOIL EVALUATION REPORT

in accordance with Comm 85, Wis. Adm. Code

Page 1 of 3  
McMullen & Associates, Inc.

Attach complete site plan on paper not less than 8 1/4 x 11 inches in size. Plan must include, but not limited to: vertical and horizontal reference point (BM), direction and percent slope, scale or dimensions, north arrow, and location and distance to nearest road.

**Please print all information.**

Personal information you provide may be used for secondary purposes (Privacy Law, s. 15.04 (1) (m)).

County	Langlade
Parcel I.D.	018 - 0099.04
Reviewed By	Date

Property Owner Klassen, Steve/Cindy		Property Location Govt. Lot SW 1/4 NE 1/4 S 7 T 34 NR 9 E	
Property Owner's Mailing Address 660 County Road G		Lot # 3	Block # ---
City State Zip Code Phone Number Neenah WI 54956 920 - 725 - 233		Subd. Name or CSM# ---	
		<input checked="" type="checkbox"/> City <input type="checkbox"/> Village <input checked="" type="checkbox"/> Town	Nearest Road Two Island Lake Road
		Parrish	

<input checked="" type="checkbox"/> New Construction	Use: <input checked="" type="checkbox"/> Residential / Number of bedrooms <u>2</u>	Code derived design flow rate <u>300</u> GPD
<input type="checkbox"/> Replacement	<input type="checkbox"/> Public or commercial - Describe: _____	
Parent material <u>glacial till</u>		Flood plain elevation, if applicable <u>n.a.</u>
General comments and recommendations: Bore holes are suitable for a conventional type septic system.		

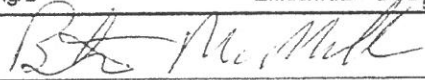
<b>1</b>	Boring # <input checked="" type="checkbox"/> Boring <input checked="" type="checkbox"/> Pit	Ground Surface elev. <u>107.1</u> ft.	Depth to limiting factor <u>&gt;84</u> in.	Soil Application Rate						
				GPD/ft <sup>2</sup>						
				*Eff#1	*Eff#2					
Horizon	Depth	Dominant Color	Redox Description	Texture	Structure	Consistence	Boundary	Roots		
1	0-7	7.5yr 3/2	none	sl	1fsbk	mfr	cs	3m	.4	.6
2	7-30	7.5yr 4/4	none	ls	2msbk	mfr	gs	1f	.7	1.2
3	30-84	7.5yr 5/3	none	ls	2msbk	mvfr	---	---	.7	1.2

<b>2</b>	Boring # <input checked="" type="checkbox"/> Boring <input checked="" type="checkbox"/> Pit	Ground Surface elev. <u>106.3</u> ft.	Depth to limiting factor <u>&gt;72</u> in.	Soil Application Rate						
				GPD/ft <sup>2</sup>						
				*Eff#1	*Eff#2					
Horizon	Depth	Dominant Color	Redox Description	Texture	Structure	Consistence	Boundary	Roots		
1	0-11	7.5yr 3/2	none	cbsl	1fsbk	mfr	cs	2m	.4	.6
2	11-46	7.5yr 4/4	none	cbls	2msbk	mfr	gs	2f	.7	1.2
3	46-72	7.5yr 5/3	none	cbls	2msbk	mvfr	---	---	.7	1.2

Cobble throughout hole is < 35%. Bands in 3rd horizon of: 10r 5/8, ls, 2msbk, mfr, 3/4" thick, and 10" spacing.

\* Effluent #1 = BOD<sub>5</sub> > 30 < 220 mg/L and TSS > 30 < 150 mg/L

\* Effluent #2 = BOD<sub>5</sub> ≤ 30 mg/L and TSS ≤ 30 mg/L

CST Name (Please Print) Benton A. McMullen	Signature: 	CST Number 220294
Address McMullen & Associates, Inc. P. O. Box 306, Hazelhurst, WI 54531	Date Evaluation Conducted 10/3/2002	Telephone Number 715-356-1501

<b>3</b>	Boring #	<input checked="" type="checkbox"/> Boring <input checked="" type="checkbox"/> Pit	Ground Surface elev. <u>106.9</u> ft.		Depth to limiting factor <u>&gt;84</u> in.		Soil Application Rate			
									GPD/ft <sup>2</sup>	
									*Eff#1	*Eff#2
Horizon	Depth	Dominant Color	Redox Description	Texture	Structure	Consistence	Boundary	Roots		
1	0-11	7.5yr 3/2	none	cbsl	1fsbk	mfr	cs	1m	.4	.6
2	11-50	7.5yr 4/4	none	cbvls	2msbk	mfr	gs	1f	.7	1.2
3	50-84	7.5yr 5/3	none	cbls	2msbk	mvfr	—	—	.7	1.2
Cobble throughout hole is < 35%. Bands in 3rd horizon of: 10r 5/8, ls, 2msbk, mfr, 3/4" thick, and 10" spacing.										

	Boring #	<input type="checkbox"/> Boring <input type="checkbox"/> Pit	Ground Surface elev. _____ ft.		Depth to limiting factor _____ in.		Soil Application Rate			
									GPD/ft <sup>2</sup>	
									*Eff#1	*Eff#2
Horizon	Depth	Dominant Color	Redox Description	Texture	Structure	Consistence	Boundary	Roots		

	Boring #	<input type="checkbox"/> Boring <input type="checkbox"/> Pit	Ground Surface elev. _____ ft.		Depth to limiting factor _____ in.		Soil Application Rate			
									GPD/ft <sup>2</sup>	
									*Eff#1	*Eff#2
Horizon	Depth	Dominant Color	Redox Description	Texture	Structure	Consistence	Boundary	Roots		

\* Effluent #1 = BOD<sub>5</sub> > 30 < 220 mg/L and TSS > 30 < 150 mg/L\* Effluent #2 = BOD<sub>5</sub> < 30 mg/L and TSS < 30 mg/L

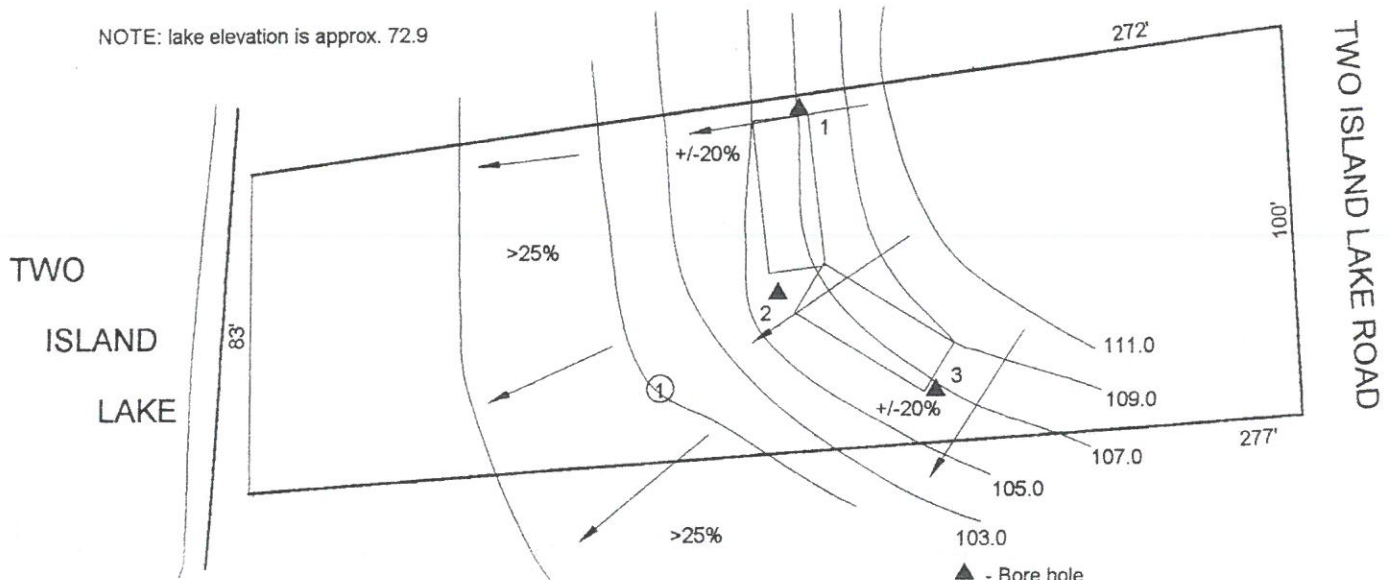
The Department of Commerce is an equal opportunity service provider and employer. If you need assistance to access services or need material in an alternate format, please contact the department at 608-266-3151 or TTY 608-264-8777.

Steve/Cindy Klassen  
SW - NE, Sec. 7, T 34 N, R 9 E  
Lot 3  
Parrish Township  
Langlade County, Wisconsin  
Parcel ID: 018 - 0099.04  
Scale 1" = 50'

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Bore Hole Elevations:  
1 - 107.1  
2 - 106.3  
3 - 106.9

NOTE: lake elevation is approx. 72.9



- ▲ - Bore hole
- ↓↓ - Slope
- ① - Bench Mark  
Nail in 7" Maple with yellow flagging  
Assumed Elev. = 100.0'
- 98.0  
Contour Lines

NOTE: This is NOT a survey map.  
Lot lines, distances, bearings, structure  
locations, etc are approximated.

*Benton A. McMullen*

CST: Benton A. McMullen #220294

Date: 10/7/02