

**Wisconsin Department of Natural Resources  
Laboratory Report**

10/31/2012

Lab: 113133790

Sample: IX009320

Page 1 of 2

**Laboratory:** Wisconsin State Laboratory of Hygiene

DNR ID 113133790

2601 Agriculture Dr

Madison

WI 53718

Phone : 800-442-4618

Fax Phone : 608-224-6213

**Sample:**

Field #: PLGW-SITE5

Sample #: IX009320

Collection Start: 09/28/2012 12:00 am

Collection End:

Collected by: MUCHOLL/BLUMER

Waterbody/Outfall Id: 2714500

ID #:

ID Point #:

County: Washburn

Account #: LM019

Sample Location: POTATO LAKE - GROUND WATER - SITE 5 - 28

Sample Description: MINI-PIEZOMETER

Sample Source: Monitoring Well

Sample Depth:

Date Reported: 10/30/2012

Sample Status: COMPLETE

Project No: LPL1458

Sample Reason:

SW side  
by spring  
hole

**Analyses and Results:**

Analysis Method		Analysis Date	Lab Comment			
CALCIUM, TOTAL REC, ICP (EPA 200.7)		10/09/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
918	CALCIUM TOTAL RECOVERABLE	41.6	MG/L	0.1		0.3

Analysis Method		Analysis Date	Lab Comment			
CHLORIDE (SM 4500-CL E)		10/11/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
940	CHLORIDE	9.9	MG/L	1.0		3.2

Analysis Method		Analysis Date	Lab Comment			
DIG, TOTAL REC, ICP, LIQUIDS (SW846 3005A)		10/08/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
99404	DIG TOTAL REC SW846 3005A	COMPLE				
		TE				

Analysis Method		Analysis Date	Lab Comment			
IRON, TOTAL REC, ICP (EPA 200.7)		10/09/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
980	IRON TOTAL RECOVERABLE	23.0	MG/L	0.1		0.3

Analysis Method		Analysis Date	Lab Comment			
MAGNESIUM, TOTAL REC, ICP (EPA 200.7)		10/09/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
921	MAGNESIUM TOTAL RECOVERABLE	18.1	MG/L	0.1		0.3

**Wisconsin Department of Natural Resources  
Laboratory Report**

10/31/2012

Lab: 113133790

Sample: IX009320

Page 2 of 2

Analysis Method		Analysis Date	Lab Comment			
<b>MANGANESE, TOTAL REC, ICP (EPA 200.7)</b>		<b>10/09/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
1123	MANGANESE ICP TOTAL RECOVERABLE	210.	UG/L	1.0		3.0

Analysis Method		Analysis Date	Lab Comment			
<b>AMMONIA (AS N), DISS (EPA 350.1)</b>		<b>10/23/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
608	NITROGEN NH3-N DISS	ND	MG/L	0.015		0.048

Analysis Method		Analysis Date	Lab Comment			
<b>NITRATE+NITRITE (AS N), DISS (EPA 353.2)</b>		<b>10/23/2012</b>	<b>MATRIX SPIKE QC EXCEEDED</b>			
Code	Description	Result	Units	LOD	Report Limit	LOQ
631	NITROGEN NO3+NO2 DISS (AS N)	*0.249	MG/L	0.019		0.061

Analysis Method		Analysis Date	Lab Comment			
<b>TOTAL KJELDAHL NITROGEN (AS N) (EPA 310/11/2012)</b>						
Code	Description	Result	Units	LOD	Report Limit	LOQ
625	NITROGEN KJELDAHL TOTAL	0.22	MG/L	0.14		0.4

Analysis Method		Analysis Date	Lab Comment			
<b>TOTAL DISS PHOSPHORUS (AS P), (EPA 365.1)</b>		<b>10/19/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
666	PHOSPHORUS TOTAL DISS	0.030	MG/L	0.005		0.016

Analysis Method		Analysis Date	Lab Comment			
<b>POTASSIUM, TOTAL REC, ICP (EPA 200.7)</b>		<b>10/09/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
50245	POTASSIUM TOTAL RECOVERABLE	2.4	MG/L	0.1		0.3

Analysis Method		Analysis Date	Lab Comment			
<b>SODIUM, TOTAL REC, ICP (EPA 200.7)</b>		<b>10/09/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
923	SODIUM TOTAL RECOVERABLE	12.5	MG/L	0.1		0.3

Analysis Method		Analysis Date	Lab Comment			
<b>TEMPERATURE ON RECEIPT-ICED</b>		<b>10/04/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
136	TEMPERATURE AT LAB	ICED	C		0	

**Wisconsin Department of Natural Resources  
Laboratory Report**

10/31/2012

Lab: 113133790

Sample: IX009334

Page 1 of 2

**Laboratory:** Wisconsin State Laboratory of Hygiene  
2601 Agriculture Dr  
Madison WI 53718  
Phone : 800-442-4618 Fax Phone : 608-224-6213

DNR ID 113133790

**Sample:**

Field #: **PLGW-SITE6** Sample #: **IX009334**  
 Collection Start: **10/01/2012 12:00 pm** Collection End:  
 Collected by: **MUCHOLL/BLUMER** Waterbody/Outfall Id: **2714500**  
 ID #: ID Point #:  
 County: **Washburn** Account #: **LM019**  
 Sample Location: **POTATO LAKE - GROUND WATER - SITE 6 - 32**  
 Sample Description: **MINI-PIEZOMETER**  
 Sample Source: **Monitoring Well** Sample Depth:  
 Date Reported: **10/30/2012** Sample Status: **COMPLETE**  
 Project No: **LPL1458** Sample Reason:

*west shore*

**Analyses and Results:**

Analysis Method		Analysis Date	Lab Comment			
<b>CALCIUM, TOTAL REC, ICP (EPA 200.7)</b>		<b>10/09/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
<b>918</b>	<b>CALCIUM TOTAL RECOVERABLE</b>	<b>40.2</b>	<b>MG/L</b>	<b>0.1</b>		<b>0.3</b>

Analysis Method		Analysis Date	Lab Comment			
<b>CHLORIDE (SM 4500-CL E)</b>		<b>10/11/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
<b>940</b>	<b>CHLORIDE</b>	<b>4.5</b>	<b>MG/L</b>	<b>1.0</b>		<b>3.2</b>

Analysis Method		Analysis Date	Lab Comment			
<b>DIG, TOTAL REC, ICP, LIQUIDS (SW846 3005A)</b>		<b>10/08/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
<b>99404</b>	<b>DIG TOTAL REC SW846 3005A</b>	<b>COMPLE</b>				
		<b>TE</b>				

Analysis Method		Analysis Date	Lab Comment			
<b>IRON, TOTAL REC, ICP (EPA 200.7)</b>		<b>10/09/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
<b>980</b>	<b>IRON TOTAL RECOVERABLE</b>	<b>23.6</b>	<b>MG/L</b>	<b>0.1</b>		<b>0.3</b>

Analysis Method		Analysis Date	Lab Comment			
<b>MAGNESIUM, TOTAL REC, ICP (EPA 200.7)</b>		<b>10/09/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
<b>921</b>	<b>MAGNESIUM TOTAL RECOVERABLE</b>	<b>18.9</b>	<b>MG/L</b>	<b>0.1</b>		<b>0.3</b>

**Wisconsin Department of Natural Resources  
Laboratory Report**

10/31/2012

Lab: 113133790

Sample: IX009334

Page 2 of 2

Analysis Method		Analysis Date	Lab Comment			
<b>MANGANESE, TOTAL REC, ICP (EPA 200.7)</b>		<b>10/09/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
1123	MANGANESE ICP TOTAL RECOVERABLE	342.	UG/L	1.0		3.0

Analysis Method		Analysis Date	Lab Comment			
<b>AMMONIA (AS N), DISS (EPA 350.1)</b>		<b>10/23/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
608	NITROGEN NH3-N DISS	ND	MG/L	0.015		0.048

Analysis Method		Analysis Date	Lab Comment			
<b>NITRATE+NITRITE (AS N), DISS (EPA 353.2)</b>		<b>10/23/2012</b>	<b>MATRIX SPIKE QC EXCEEDED</b>			
Code	Description	Result	Units	LOD	Report Limit	LOQ
631	NITROGEN NO3+NO2 DISS (AS N)	*ND	MG/L	0.019		0.061

Analysis Method		Analysis Date	Lab Comment			
<b>TOTAL KJELDAHL NITROGEN (AS N) (EPA 310/11/2012)</b>						
Code	Description	Result	Units	LOD	Report Limit	LOQ
625	NITROGEN KJELDAHL TOTAL	ND	MG/L	0.14		0.4

Analysis Method		Analysis Date	Lab Comment			
<b>TOTAL DISS PHOSPHORUS (AS P), (EPA 365.1)10/19/2012</b>						
Code	Description	Result	Units	LOD	Report Limit	LOQ
666	PHOSPHORUS TOTAL DISS	0.334	MG/L	0.005		0.016

Analysis Method		Analysis Date	Lab Comment			
<b>POTASSIUM, TOTAL REC, ICP (EPA 200.7)</b>		<b>10/09/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
50245	POTASSIUM TOTAL RECOVERABLE	3.4	MG/L	0.1		0.3

Analysis Method		Analysis Date	Lab Comment			
<b>SODIUM, TOTAL REC, ICP (EPA 200.7)</b>		<b>10/09/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
923	SODIUM TOTAL RECOVERABLE	4.5	MG/L	0.1		0.3

Analysis Method		Analysis Date	Lab Comment			
<b>TEMPERATURE ON RECEIPT-ICED</b>		<b>10/04/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
136	TEMPERATURE AT LAB	ICED	C		0	

**Wisconsin Department of Natural Resources  
Laboratory Report**

10/31/2012

Lab: 113133790

Sample: IX009335

Page 1 of 2

**Laboratory:** Wisconsin State Laboratory of Hygiene  
2601 Agriculture Dr  
Madison WI 53718  
Phone : 800-442-4618 Fax Phone : 608-224-6213

DNR ID 113133790

**Sample:**

Field #:	PLGW-SITE7	Sample #:	IX009335
Collection Start:	10/01/2012 12:00 pm	Collection End:	
Collected by:	MUCHOLL/BLUMER	Waterbody/Outfall Id:	2714500
ID #:		ID Point #:	
County:	Washburn	Account #:	LM019
Sample Location:	POTATO LAKE - GROUND WATER - SITE 7 - 34		
Sample Description:	MINI-PIEZOMETER		
Sample Source:	Monitoring Well	Sample Depth:	
Date Reported:	10/30/2012	Sample Status:	COMPLETE
Project No:	LPL1458	Sample Reason:	

*West Shore*

**Analyses and Results:**

Analysis Method		Analysis Date	Lab Comment			
CALCIUM, TOTAL REC, ICP (EPA 200.7)		10/09/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
918	CALCIUM TOTAL RECOVERABLE	41.0	MG/L	0.1		0.3

Analysis Method		Analysis Date	Lab Comment			
CHLORIDE (SM 4500-CL E)		10/11/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
940	CHLORIDE	4.5	MG/L	1.0		3.2

Analysis Method		Analysis Date	Lab Comment			
DIG, TOTAL REC, ICP, LIQUIDS (SW846 3005A)		10/08/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
99404	DIG TOTAL REC SW846 3005A	COMPLE TE				

Analysis Method		Analysis Date	Lab Comment			
IRON, TOTAL REC, ICP (EPA 200.7)		10/09/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
980	IRON TOTAL RECOVERABLE	28.3	MG/L	0.1		0.3

Analysis Method		Analysis Date	Lab Comment			
MAGNESIUM, TOTAL REC, ICP (EPA 200.7)		10/09/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
921	MAGNESIUM TOTAL RECOVERABLE	21.3	MG/L	0.1		0.3

**Wisconsin Department of Natural Resources  
Laboratory Report**

10/31/2012

Lab: 113133790

Sample: IX009335

Page 2 of 2

<i>Analysis Method</i>		<i>Analysis Date</i>	<i>Lab Comment</i>			
<b>MANGANESE, TOTAL REC, ICP (EPA 200.7)</b>		<b>10/09/2012</b>				
<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
<b>1123</b>	<b>MANGANESE ICP TOTAL RECOVERABLE</b>	<b>288.</b>	<b>UG/L</b>	<b>1.0</b>		<b>3.0</b>

<i>Analysis Method</i>		<i>Analysis Date</i>	<i>Lab Comment</i>			
<b>AMMONIA (AS N), DISS (EPA 350.1)</b>		<b>10/23/2012</b>				
<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
<b>608</b>	<b>NITROGEN NH3-N DISS</b>	<b>0.429</b>	<b>MG/L</b>	<b>0.015</b>		<b>0.048</b>

<i>Analysis Method</i>		<i>Analysis Date</i>	<i>Lab Comment</i>			
<b>NITRATE+NITRITE (AS N), DISS (EPA 353.2)</b>		<b>10/23/2012</b>	<b>MATRIX SPIKE QC EXCEEDED</b>			
<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
<b>631</b>	<b>NITROGEN NO3+NO2 DISS (AS N)</b>	<b>*ND</b>	<b>MG/L</b>	<b>0.019</b>		<b>0.061</b>

<i>Analysis Method</i>		<i>Analysis Date</i>	<i>Lab Comment</i>			
<b>TOTAL KJELDAHL NITROGEN (AS N) (EPA 310/11/2012)</b>						
<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
<b>625</b>	<b>NITROGEN KJELDAHL TOTAL</b>	<b>0.97</b>	<b>MG/L</b>	<b>0.14</b>		<b>0.4</b>

<i>Analysis Method</i>		<i>Analysis Date</i>	<i>Lab Comment</i>			
<b>TOTAL DISS PHOSPHORUS (AS P), (EPA 365.1)10/19/2012</b>						
<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
<b>666</b>	<b>PHOSPHORUS TOTAL DISS</b>	<b>0.057</b>	<b>MG/L</b>	<b>0.005</b>		<b>0.016</b>

<i>Analysis Method</i>		<i>Analysis Date</i>	<i>Lab Comment</i>			
<b>POTASSIUM, TOTAL REC, ICP (EPA 200.7)</b>		<b>10/09/2012</b>				
<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
<b>50245</b>	<b>POTASSIUM TOTAL RECOVERABLE</b>	<b>3.0</b>	<b>MG/L</b>	<b>0.1</b>		<b>0.3</b>

<i>Analysis Method</i>		<i>Analysis Date</i>	<i>Lab Comment</i>			
<b>SODIUM, TOTAL REC, ICP (EPA 200.7)</b>		<b>10/09/2012</b>				
<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
<b>923</b>	<b>SODIUM TOTAL RECOVERABLE</b>	<b>4.8</b>	<b>MG/L</b>	<b>0.1</b>		<b>0.3</b>

<i>Analysis Method</i>		<i>Analysis Date</i>	<i>Lab Comment</i>			
<b>TEMPERATURE ON RECEIPT-ICED</b>		<b>10/04/2012</b>				
<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
<b>136</b>	<b>TEMPERATURE AT LAB</b>	<b>ICED</b>	<b>C</b>		<b>0</b>	

**Wisconsin Department of Natural Resources  
Laboratory Report**

10/31/2012

Lab: 113133790

Sample: IX009333

Page 1 of 2

**Laboratory:** Wisconsin State Laboratory of Hygiene  
2601 Agriculture Dr  
Madison WI 53718  
Phone : 800-442-4618 Fax Phone : 608-224-6213

DNR ID 113133790

**Sample:**

Field #:	PLGW-SITE8	Sample #:	IX009333
Collection Start:	10/01/2012 12:00 pm	Collection End:	
Collected by:	MUCHOLL/BLUMER	Waterbody/Outfall Id:	2714500
ID #:		ID Point #:	
County:	Washburn	Account #:	LM019
Sample Location:	POTATO LAKE - GROUND WATER - SITE 8		
Sample Description:	MINI-PIEZOMETER		
Sample Source:	Monitoring Well	Sample Depth:	
Date Reported:	10/30/2012	Sample Status:	COMPLETE
Project No:	LPL1458	Sample Reason:	

*east shore closest to landing*

**Analyses and Results:**

Analysis Method		Analysis Date	Lab Comment			
CALCIUM, TOTAL REC, ICP (EPA 200.7)		10/09/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
918	CALCIUM TOTAL RECOVERABLE	30.7	MG/L	0.1		0.3

Analysis Method		Analysis Date	Lab Comment			
CHLORIDE (SM 4500-CL E)		10/11/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
940	CHLORIDE	3.4	MG/L	1.0		3.2

Analysis Method		Analysis Date	Lab Comment			
DIG, TOTAL REC, ICP, LIQUIDS (SW846 3005A)		10/08/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
99404	DIG TOTAL REC SW846 3005A	COMPLETE				
TE						

Analysis Method		Analysis Date	Lab Comment			
IRON, TOTAL REC, ICP (EPA 200.7)		10/09/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
980	IRON TOTAL RECOVERABLE	2.2	MG/L	0.1		0.3

Analysis Method		Analysis Date	Lab Comment			
MAGNESIUM, TOTAL REC, ICP (EPA 200.7)		10/09/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
921	MAGNESIUM TOTAL RECOVERABLE	9.4	MG/L	0.1		0.3

**Wisconsin Department of Natural Resources  
Laboratory Report**

10/31/2012

Lab: 113133790

Sample: IX009333

Page 2 of 2

<i>Analysis Method</i>		<i>Analysis Date</i>	<i>Lab Comment</i>			
<b>MANGANESE, TOTAL REC, ICP (EPA 200.7)</b>		<b>10/09/2012</b>				
<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
<b>1123</b>	<b>MANGANESE ICP TOTAL RECOVERABLE</b>	<b>122.</b>	<b>UG/L</b>	<b>1.0</b>		<b>3.0</b>

<i>Analysis Method</i>		<i>Analysis Date</i>	<i>Lab Comment</i>			
<b>AMMONIA (AS N), DISS (EPA 350.1)</b>		<b>10/23/2012</b>				
<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
<b>608</b>	<b>NITROGEN NH3-N DISS</b>	<b>0.133</b>	<b>MG/L</b>	<b>0.015</b>		<b>0.048</b>

<i>Analysis Method</i>		<i>Analysis Date</i>	<i>Lab Comment</i>			
<b>NITRATE+NITRITE (AS N), DISS (EPA 353.2)</b>		<b>10/23/2012</b>	<b>MATRIX SPIKE QC EXCEEDED</b>			
<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
<b>631</b>	<b>NITROGEN NO3+NO2 DISS (AS N)</b>	<b>*ND</b>	<b>MG/L</b>	<b>0.019</b>		<b>0.061</b>

<i>Analysis Method</i>		<i>Analysis Date</i>	<i>Lab Comment</i>			
<b>TOTAL KJELDAHL NITROGEN (AS N) (EPA 310/11/2012)</b>						
<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
<b>625</b>	<b>NITROGEN KJELDAHL TOTAL</b>	<b>0.81</b>	<b>MG/L</b>	<b>0.14</b>		<b>0.4</b>

<i>Analysis Method</i>		<i>Analysis Date</i>	<i>Lab Comment</i>			
<b>TOTAL DISS PHOSPHORUS (AS P), (EPA 365.1)</b>		<b>10/19/2012</b>				
<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
<b>666</b>	<b>PHOSPHORUS TOTAL DISS</b>	<b>0.019</b>	<b>MG/L</b>	<b>0.005</b>		<b>0.016</b>

<i>Analysis Method</i>		<i>Analysis Date</i>	<i>Lab Comment</i>			
<b>POTASSIUM, TOTAL REC, ICP (EPA 200.7)</b>		<b>10/09/2012</b>				
<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
<b>50245</b>	<b>POTASSIUM TOTAL RECOVERABLE</b>	<b>0.3</b>	<b>MG/L</b>	<b>0.1</b>		<b>0.3</b>

<i>Analysis Method</i>		<i>Analysis Date</i>	<i>Lab Comment</i>			
<b>SODIUM, TOTAL REC, ICP (EPA 200.7)</b>		<b>10/09/2012</b>				
<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
<b>923</b>	<b>SODIUM TOTAL RECOVERABLE</b>	<b>3.7</b>	<b>MG/L</b>	<b>0.1</b>		<b>0.3</b>

<i>Analysis Method</i>		<i>Analysis Date</i>	<i>Lab Comment</i>			
<b>TEMPERATURE ON RECEIPT-ICED</b>		<b>10/04/2012</b>				
<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
<b>136</b>	<b>TEMPERATURE AT LAB</b>	<b>ICED</b>	<b>C</b>		<b>0</b>	



**Wisconsin Department of Natural Resources  
Laboratory Report**

10/31/2012

Lab: 113133790

Sample: IX009331

Page 1 of 2

**Laboratory:** Wisconsin State Laboratory of Hygiene  
2601 Agriculture Dr  
Madison WI 53718  
Phone : 800-442-4618 Fax Phone : 608-224-6213

DNR ID 113133790

**Sample:**

Field #: PLGW-SITE9 Sample #: IX009331  
Collection Start: 10/01/2012 12:00 pm Collection End:  
Collected by: MUCHOLL/BLUMER Waterbody/Outfall Id: 2714500  
ID #: ID Point #:  
County: Washburn Account #: LM019  
Sample Location: POTATO LAKE - GROUND WATER - SITE 9 - 40  
Sample Description: MINI-PIEZOMETER  
Sample Source: Monitoring Well Sample Depth:  
Date Reported: 10/30/2012 Sample Status: COMPLETE  
Project No: LPL1458 Sample Reason:

*North Shore  
east of highway*

**Analyses and Results:**

Analysis Method		Analysis Date	Lab Comment			
CALCIUM, TOTAL REC, ICP (EPA 200.7)		10/09/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
918	CALCIUM TOTAL RECOVERABLE	29.0	MG/L	0.1		0.3

Analysis Method		Analysis Date	Lab Comment			
CHLORIDE (SM 4500-CL E)		10/11/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
940	CHLORIDE	4.6	MG/L	1.0		3.2

Analysis Method		Analysis Date	Lab Comment			
DIG, TOTAL REC, ICP, LIQUIDS (SW846 3005A)		10/08/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
99404	DIG TOTAL REC SW846 3005A	COMPLE TE				

Analysis Method		Analysis Date	Lab Comment			
IRON, TOTAL REC, ICP (EPA 200.7)		10/09/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
980	IRON TOTAL RECOVERABLE	4.4	MG/L	0.1		0.3

Analysis Method		Analysis Date	Lab Comment			
MAGNESIUM, TOTAL REC, ICP (EPA 200.7)		10/09/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
921	MAGNESIUM TOTAL RECOVERABLE	10.4	MG/L	0.1		0.3

**Wisconsin Department of Natural Resources  
Laboratory Report**

10/31/2012

Lab: 113133790

Sample: IX009331

Page 2 of 2

Analysis Method		Analysis Date	Lab Comment			
<b>MANGANESE, TOTAL REC, ICP (EPA 200.7)</b>		<b>10/09/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
1123	MANGANESE ICP TOTAL RECOVERABLE	63.6	UG/L	1.0		3.0

Analysis Method		Analysis Date	Lab Comment			
<b>AMMONIA (AS N), DISS (EPA 350.1)</b>		<b>10/23/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
608	NITROGEN NH3-N DISS	0.324	MG/L	0.015		0.048

Analysis Method		Analysis Date	Lab Comment			
<b>NITRATE+NITRITE (AS N), DISS (EPA 353.2)</b>		<b>10/23/2012</b>	<b>MATRIX SPIKE QC EXCEEDED</b>			
Code	Description	Result	Units	LOD	Report Limit	LOQ
631	NITROGEN NO3+NO2 DISS (AS N)	*ND	MG/L	0.019		0.061

Analysis Method		Analysis Date	Lab Comment			
<b>TOTAL KJELDAHL NITROGEN (AS N) (EPA 310/11/2012)</b>						
Code	Description	Result	Units	LOD	Report Limit	LOQ
625	NITROGEN KJELDAHL TOTAL	1.21	MG/L	0.14		0.4

Analysis Method		Analysis Date	Lab Comment			
<b>TOTAL DISS PHOSPHORUS (AS P), (EPA 365.1)</b>		<b>10/19/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
666	PHOSPHORUS TOTAL DISS	0.025	MG/L	0.005		0.016

Analysis Method		Analysis Date	Lab Comment			
<b>POTASSIUM, TOTAL REC, ICP (EPA 200.7)</b>		<b>10/09/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
50245	POTASSIUM TOTAL RECOVERABLE	1.4	MG/L	0.1		0.3

Analysis Method		Analysis Date	Lab Comment			
<b>SODIUM, TOTAL REC, ICP (EPA 200.7)</b>		<b>10/09/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
923	SODIUM TOTAL RECOVERABLE	3.6	MG/L	0.1		0.3

Analysis Method		Analysis Date	Lab Comment			
<b>TEMPERATURE ON RECEIPT-ICED</b>		<b>10/04/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
136	TEMPERATURE AT LAB	ICED	C		0	

**Wisconsin Department of Natural Resources  
Laboratory Report**

10/31/2012

Lab: 113133790

Sample: IX009332

Page 1 of 2

**Laboratory:** Wisconsin State Laboratory of Hygiene  
2601 Agriculture Dr  
Madison WI 53718  
Phone : 800-442-4618 Fax Phone : 608-224-6213

DNR ID 113133790

**Sample:**

Field #:	PLGW-SITE10	Sample #:	IX009332
Collection Start:	10/01/2012 12:00 pm	Collection End:	
Collected by:	MUCHOLL/BLUMER	Waterbody/Outfall Id:	2714500
ID #:		ID Point #:	
County:	Washburn	Account #:	LM019
Sample Location:	POTATO LAKE - GROUND WATER - SITE - 37		
Sample Description:	MINI-PIEZOMETER		
Sample Source:	Monitoring Well	Sample Depth:	
Date Reported:	10/30/2012	Sample Status:	COMPLETE
Project No:	LPL1458	Sample Reason:	

*North side  
west of bay*

**Analyses and Results:**

Analysis Method		Analysis Date	Lab Comment			
CALCIUM, TOTAL REC, ICP (EPA 200.7)		10/09/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
918	CALCIUM TOTAL RECOVERABLE	41.2	MG/L	0.1		0.3

Analysis Method		Analysis Date	Lab Comment			
CHLORIDE (SM 4500-CL E)		10/11/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
940	CHLORIDE	4.3	MG/L	1.0		3.2

Analysis Method		Analysis Date	Lab Comment			
DIG, TOTAL REC, ICP, LIQUIDS (SW846 3005A)		10/08/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
99404	DIG TOTAL REC SW846 3005A	COMPLE TE				

Analysis Method		Analysis Date	Lab Comment			
IRON, TOTAL REC, ICP (EPA 200.7)		10/09/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
980	IRON TOTAL RECOVERABLE	7.0	MG/L	0.1		0.3

Analysis Method		Analysis Date	Lab Comment			
MAGNESIUM, TOTAL REC, ICP (EPA 200.7)		10/09/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
921	MAGNESIUM TOTAL RECOVERABLE	13.2	MG/L	0.1		0.3

**Wisconsin Department of Natural Resources  
Laboratory Report**

10/31/2012

Lab: 113133790

Sample: IX009332

Page 2 of 2

Analysis Method		Analysis Date	Lab Comment			
<b>MANGANESE, TOTAL REC, ICP (EPA 200.7)</b>		<b>10/09/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
1123	MANGANESE ICP TOTAL RECOVERABLE	179.	UG/L	1.0		3.0

Analysis Method		Analysis Date	Lab Comment			
<b>AMMONIA (AS N), DISS (EPA 350.1)</b>		<b>10/23/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
608	NITROGEN NH3-N DISS	0.528	MG/L	0.015		0.048

Analysis Method		Analysis Date	Lab Comment			
<b>NITRATE+NITRITE (AS N), DISS (EPA 353.2)</b>		<b>10/23/2012</b>	<b>MATRIX SPIKE QC EXCEEDED</b>			
Code	Description	Result	Units	LOD	Report Limit	LOQ
631	NITROGEN NO3+NO2 DISS (AS N)	*ND	MG/L	0.019		0.061

Analysis Method		Analysis Date	Lab Comment			
<b>TOTAL KJELDAHL NITROGEN (AS N) (EPA 310/11/2012)</b>						
Code	Description	Result	Units	LOD	Report Limit	LOQ
625	NITROGEN KJELDAHL TOTAL	1.23	MG/L	0.14		0.4

Analysis Method		Analysis Date	Lab Comment			
<b>TOTAL DISS PHOSPHORUS (AS P), (EPA 365.1)</b>		<b>10/19/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
666	PHOSPHORUS TOTAL DISS	0.040	MG/L	0.005		0.016

Analysis Method		Analysis Date	Lab Comment			
<b>POTASSIUM, TOTAL REC, ICP (EPA 200.7)</b>		<b>10/09/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
50245	POTASSIUM TOTAL RECOVERABLE	2.5	MG/L	0.1		0.3

Analysis Method		Analysis Date	Lab Comment			
<b>SODIUM, TOTAL REC, ICP (EPA 200.7)</b>		<b>10/09/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
923	SODIUM TOTAL RECOVERABLE	4.4	MG/L	0.1		0.3

Analysis Method		Analysis Date	Lab Comment			
<b>TEMPERATURE ON RECEIPT-ICED</b>		<b>10/04/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
136	TEMPERATURE AT LAB	ICED	C		0	

**Wisconsin Department of Natural Resources  
Laboratory Report**

10/31/2012

Lab: 113133790

Sample: IX009318

Page 1 of 2

**Laboratory:** Wisconsin State Laboratory of Hygiene  
2601 Agriculture Dr  
Madison WI 53718  
Phone : 800-442-4618 Fax Phone : 608-224-6213

DNR ID 113133790

**Sample:**

Field #:	PLGW-SITE1	Sample #:	IX009318
Collection Start:	09/28/2012 12:00 pm	Collection End:	
Collected by:	MUCHOLL/BLUMER	Waterbody/Outfall Id:	2714500
ID #:		ID Point #:	
County:	Washburn	Account #:	LM019
Sample Location:	POTATO LAKE - GROUND WATER - SITE 1 - 21		
Sample Description:	MINI-PIEZOMETER		
Sample Source:	Monitoring Well	Sample Depth:	
Date Reported:	10/30/2012	Sample Status:	COMPLETE
Project No:	LPL1458	Sample Reason:	

*SUBS  
Lerner*

**Analyses and Results:**

Analysis Method		Analysis Date	Lab Comment			
CALCIUM, TOTAL REC, ICP (EPA 200.7)		10/09/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
918	CALCIUM TOTAL RECOVERABLE	45.1	MG/L	0.1		0.3

Analysis Method		Analysis Date	Lab Comment			
CHLORIDE (SM 4500-CL E)		10/11/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
940	CHLORIDE	6.4	MG/L	1.0		3.2

Analysis Method		Analysis Date	Lab Comment			
DIG, TOTAL REC, ICP, LIQUIDS (SW846 3005A)		10/08/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
99404	DIG TOTAL REC SW846 3005A	COMPLE TE				

Analysis Method		Analysis Date	Lab Comment			
IRON, TOTAL REC, ICP (EPA 200.7)		10/09/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
980	IRON TOTAL RECOVERABLE	1.9	MG/L	0.1		0.3

Analysis Method		Analysis Date	Lab Comment			
MAGNESIUM, TOTAL REC, ICP (EPA 200.7)		10/09/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
921	MAGNESIUM TOTAL RECOVERABLE	14.7	MG/L	0.1		0.3

**Wisconsin Department of Natural Resources  
Laboratory Report**

10/31/2012

Lab: 113133790

Sample: IX009318

Page 2 of 2

Analysis Method		Analysis Date	Lab Comment			
MANGANESE, TOTAL REC, ICP (EPA 200.7)		10/09/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
1123	MANGANESE ICP TOTAL RECOVERABLE	63.0	UG/L	1.0		3.0

Analysis Method		Analysis Date	Lab Comment			
AMMONIA (AS N), DISS (EPA 350.1)		10/23/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
608	NITROGEN NH3-N DISS	ND	MG/L	0.015		0.048

Analysis Method		Analysis Date	Lab Comment			
NITRATE+NITRITE (AS N), DISS (EPA 353.2)		10/23/2012	<b>MATRIX SPIKE QC EXCEEDED</b>			
Code	Description	Result	Units	LOD	Report Limit	LOQ
631	NITROGEN NO3+NO2 DISS (AS N)	*0.850	MG/L	0.019		0.061

Analysis Method		Analysis Date	Lab Comment			
TOTAL KJELDAHL NITROGEN (AS N) (EPA 310/11/2012)						
Code	Description	Result	Units	LOD	Report Limit	LOQ
625	NITROGEN KJELDAHL TOTAL	ND	MG/L	0.14		0.4

Analysis Method		Analysis Date	Lab Comment			
TOTAL DISS PHOSPHORUS (AS P), (EPA 365.1)		10/19/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
666	PHOSPHORUS TOTAL DISS	0.040	MG/L	0.005		0.016

Analysis Method		Analysis Date	Lab Comment			
POTASSIUM, TOTAL REC, ICP (EPA 200.7)		10/09/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
50245	POTASSIUM TOTAL RECOVERABLE	1.5	MG/L	0.1		0.3

Analysis Method		Analysis Date	Lab Comment			
SODIUM, TOTAL REC, ICP (EPA 200.7)		10/09/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
923	SODIUM TOTAL RECOVERABLE	4.2	MG/L	0.1		0.3

Analysis Method		Analysis Date	Lab Comment			
TEMPERATURE ON RECEIPT-ICED		10/04/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
136	TEMPERATURE AT LAB	ICED	C		0	

**Wisconsin Department of Natural Resources  
Laboratory Report**

10/31/2012

Lab: 113133790

Sample: IX009319

Page 1 of 2

**Laboratory:** Wisconsin State Laboratory of Hygiene  
2601 Agriculture Dr  
Madison WI 53718  
Phone : 800-442-4618 Fax Phone : 608-224-6213

DNR ID 113133790

**Sample:**

Field #:	PLGW-SITE2	Sample #:	IX009319
Collection Start:	09/28/2012 12:00 pm	Collection End:	
Collected by:	MUCHOLL/BLUMER	Waterbody/Outfall Id:	2714500
ID #:		ID Point #:	
County:	Washburn	Account #:	LM019
Sample Location:	POTATO LAKE - GROUND WATER - SITE 2 - 17		
Sample Description:	MINI-PIEZOMETER		
Sample Source:	Monitoring Well	Sample Depth:	
Date Reported:	10/30/2012	Sample Status:	COMPLETE
Project No:	LPL1458	Sample Reason:	

*east shore*

**Analyses and Results:**

Analysis Method		Analysis Date	Lab Comment			
CALCIUM, TOTAL REC, ICP (EPA 200.7)		10/09/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
918	CALCIUM TOTAL RECOVERABLE	41.9	MG/L	0.1		0.3

Analysis Method		Analysis Date	Lab Comment			
CHLORIDE (SM 4500-CL E)		10/11/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
940	CHLORIDE	4.4	MG/L	1.0		3.2

Analysis Method		Analysis Date	Lab Comment			
DIG, TOTAL REC, ICP, LIQUIDS (SW846 3005A)		10/08/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
99404	DIG TOTAL REC SW846 3005A	COMPLE				
		TE				

Analysis Method		Analysis Date	Lab Comment			
IRON, TOTAL REC, ICP (EPA 200.7)		10/09/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
980	IRON TOTAL RECOVERABLE	7.8	MG/L	0.1		0.3

Analysis Method		Analysis Date	Lab Comment			
MAGNESIUM, TOTAL REC, ICP (EPA 200.7)		10/09/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
921	MAGNESIUM TOTAL RECOVERABLE	15.7	MG/L	0.1		0.3

**Wisconsin Department of Natural Resources  
Laboratory Report**

10/31/2012

Lab: 113133790

Sample: IX009319

Page 2 of 2

Analysis Method		Analysis Date	Lab Comment			
<b>MANGANESE, TOTAL REC, ICP (EPA 200.7)</b>		<b>10/09/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
<b>1123</b>	<b>MANGANESE ICP TOTAL RECOVERABLE</b>	<b>1030.</b>	<b>UG/L</b>	<b>1.0</b>		<b>3.0</b>

Analysis Method		Analysis Date	Lab Comment			
<b>AMMONIA (AS N), DISS (EPA 350.1)</b>		<b>10/23/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
<b>608</b>	<b>NITROGEN NH3-N DISS</b>	<b>ND</b>	<b>MG/L</b>	<b>0.015</b>		<b>0.048</b>

Analysis Method		Analysis Date	Lab Comment			
<b>NITRATE+NITRITE (AS N), DISS (EPA 353.2)</b>		<b>10/23/2012</b>	<b>MATRIX SPIKE QC EXCEEDED</b>			
Code	Description	Result	Units	LOD	Report Limit	LOQ
<b>631</b>	<b>NITROGEN NO3+NO2 DISS (AS N)</b>	<b>*0.194</b>	<b>MG/L</b>	<b>0.019</b>		<b>0.061</b>

Analysis Method		Analysis Date	Lab Comment			
<b>TOTAL KJELDAHL NITROGEN (AS N) (EPA 310/11/2012)</b>						
Code	Description	Result	Units	LOD	Report Limit	LOQ
<b>625</b>	<b>NITROGEN KJELDAHL TOTAL</b>	<b>ND</b>	<b>MG/L</b>	<b>0.14</b>		<b>0.4</b>

Analysis Method		Analysis Date	Lab Comment			
<b>TOTAL DISS PHOSPHORUS (AS P), (EPA 365.1)</b>		<b>10/19/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
<b>666</b>	<b>PHOSPHORUS TOTAL DISS</b>	<b>0.061</b>	<b>MG/L</b>	<b>0.005</b>		<b>0.016</b>

Analysis Method		Analysis Date	Lab Comment			
<b>POTASSIUM, TOTAL REC, ICP (EPA 200.7)</b>		<b>10/09/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
<b>50245</b>	<b>POTASSIUM TOTAL RECOVERABLE</b>	<b>1.8</b>	<b>MG/L</b>	<b>0.1</b>		<b>0.3</b>

Analysis Method		Analysis Date	Lab Comment			
<b>SODIUM, TOTAL REC, ICP (EPA 200.7)</b>		<b>10/09/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
<b>923</b>	<b>SODIUM TOTAL RECOVERABLE</b>	<b>4.3</b>	<b>MG/L</b>	<b>0.1</b>		<b>0.3</b>

Analysis Method		Analysis Date	Lab Comment			
<b>TEMPERATURE ON RECEIPT-ICED</b>		<b>10/04/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
<b>136</b>	<b>TEMPERATURE AT LAB</b>	<b>ICED</b>	<b>C</b>		<b>0</b>	



**Wisconsin Department of Natural Resources  
Laboratory Report**

10/31/2012

Lab: 113133790

Sample: IX009322

Page 1 of 2

**Laboratory:** Wisconsin State Laboratory of Hygiene  
2601 Agriculture Dr  
Madison WI 53718  
Phone : 800-442-4618 Fax Phone : 608-224-6213

DNR ID 113133790

**Sample:**

Field #:	PLGW-SITE3	Sample #:	IX009322
Collection Start:	09/28/2012 12:00 pm	Collection End:	
Collected by:	MUCHOLL/BLUMER	Waterbody/Outfall Id:	2714500
ID #:		ID Point #:	
County:	Washburn	Account #:	LM019
Sample Location:	POTATO LAKE - GROUND WATER - SITE 3 - 14		
Sample Description:	MINI-PIEZOMETER		
Sample Source:	Monitoring Well	Sample Depth:	
Date Reported:	10/30/2012	Sample Status:	COMPLETE
Project No:	LPL1458	Sample Reason:	

*Last Shere*

**Analyses and Results:**

Analysis Method		Analysis Date	Lab Comment			
CALCIUM, TOTAL REC, ICP (EPA 200.7)		10/09/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
918	CALCIUM TOTAL RECOVERABLE	42.2	MG/L	0.1		0.3

Analysis Method		Analysis Date	Lab Comment			
CHLORIDE (SM 4500-CL E)		10/11/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
940	CHLORIDE	6.0	MG/L	1.0		3.2

Analysis Method		Analysis Date	Lab Comment			
DIG, TOTAL REC, ICP, LIQUIDS (SW846 3005A)		10/08/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
99404	DIG TOTAL REC SW846 3005A	COMPLE				
		TE				

Analysis Method		Analysis Date	Lab Comment			
IRON, TOTAL REC, ICP (EPA 200.7)		10/09/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
980	IRON TOTAL RECOVERABLE	13.6	MG/L	0.1		0.3

Analysis Method		Analysis Date	Lab Comment			
MAGNESIUM, TOTAL REC, ICP (EPA 200.7)		10/09/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
921	MAGNESIUM TOTAL RECOVERABLE	16.0	MG/L	0.1		0.3

**Wisconsin Department of Natural Resources  
Laboratory Report**

10/31/2012

Lab: 113133790

Sample: IX009322

Page 2 of 2

Analysis Method		Analysis Date	Lab Comment			
<b>MANGANESE, TOTAL REC, ICP (EPA 200.7)</b>		<b>10/09/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
1123	MANGANESE ICP TOTAL RECOVERABLE	82.2	UG/L	1.0		3.0

Analysis Method		Analysis Date	Lab Comment			
<b>AMMONIA (AS N), DISS (EPA 350.1)</b>		<b>10/23/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
608	NITROGEN NH3-N DISS	ND	MG/L	0.015		0.048

Analysis Method		Analysis Date	Lab Comment			
<b>NITRATE+NITRITE (AS N), DISS (EPA 353.2)</b>		<b>10/23/2012</b>	<b>MATRIX SPIKE QC EXCEEDED</b>			
Code	Description	Result	Units	LOD	Report Limit	LOQ
631	NITROGEN NO3+NO2 DISS (AS N)	*0.163	MG/L	0.019		0.061

Analysis Method		Analysis Date	Lab Comment			
<b>TOTAL KJELDAHL NITROGEN (AS N) (EPA 310/11/2012)</b>						
Code	Description	Result	Units	LOD	Report Limit	LOQ
625	NITROGEN KJELDAHL TOTAL	ND	MG/L	0.14		0.4

Analysis Method		Analysis Date	Lab Comment			
<b>TOTAL DISS PHOSPHORUS (AS P), (EPA 365.1)</b>		<b>10/19/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
666	PHOSPHORUS TOTAL DISS	0.046	MG/L	0.005		0.016

Analysis Method		Analysis Date	Lab Comment			
<b>POTASSIUM, TOTAL REC, ICP (EPA 200.7)</b>		<b>10/09/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
50245	POTASSIUM TOTAL RECOVERABLE	1.9	MG/L	0.1		0.3

Analysis Method		Analysis Date	Lab Comment			
<b>SODIUM, TOTAL REC, ICP (EPA 200.7)</b>		<b>10/09/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
923	SODIUM TOTAL RECOVERABLE	4.0	MG/L	0.1		0.3

Analysis Method		Analysis Date	Lab Comment			
<b>TEMPERATURE ON RECEIPT-ICED</b>		<b>10/04/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
136	TEMPERATURE AT LAB	ICED	C		0	

**Wisconsin Department of Natural Resources  
Laboratory Report**

10/31/2012

Lab: 113133790

Sample: IX009321

Page 1 of 2

**Laboratory:** Wisconsin State Laboratory of Hygiene  
2601 Agriculture Dr  
Madison WI 53718  
Phone : 800-442-4618 Fax Phone : 608-224-6213

DNR ID 113133790

**Sample:**

Field #:	PLGW-SITE4	Sample #:	IX009321
Collection Start:	09/28/2012 12:00 pm	Collection End:	
Collected by:	MUCHOLL/BLUMER	Waterbody/Outfall Id:	2714500
ID #:		ID Point #:	
County:	Washburn	Account #:	LM019
Sample Location:	POTATO LAKE - GROUND WATER - SITE 4 - 25		
Sample Description:	MINI-PIEZOMETER		
Sample Source:	Monitoring Well	Sample Depth:	
Date Reported:	10/30/2012	Sample Status:	COMPLETE
Project No:	LPL1458	Sample Reason:	

*South end, closed to road*

**Analyses and Results:**

Analysis Method		Analysis Date	Lab Comment			
CALCIUM, TOTAL REC, ICP (EPA 200.7)		10/09/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
918	CALCIUM TOTAL RECOVERABLE	31.2	MG/L	0.1		0.3

Analysis Method		Analysis Date	Lab Comment			
CHLORIDE (SM 4500-CL E)		10/11/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
940	CHLORIDE	1.1	MG/L	1.0		3.2

Analysis Method		Analysis Date	Lab Comment			
DIG, TOTAL REC, ICP, LIQUIDS (SW846 3005A)		10/08/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
99404	DIG TOTAL REC SW846 3005A	COMPLE				
		TE				

Analysis Method		Analysis Date	Lab Comment			
IRON, TOTAL REC, ICP (EPA 200.7)		10/09/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
980	IRON TOTAL RECOVERABLE	2.5	MG/L	0.1		0.3

Analysis Method		Analysis Date	Lab Comment			
MAGNESIUM, TOTAL REC, ICP (EPA 200.7)		10/09/2012				
Code	Description	Result	Units	LOD	Report Limit	LOQ
921	MAGNESIUM TOTAL RECOVERABLE	10.3	MG/L	0.1		0.3

**Wisconsin Department of Natural Resources  
Laboratory Report**

10/31/2012

Lab: 113133790

Sample: IX009321

Page 2 of 2

Analysis Method		Analysis Date	Lab Comment			
<b>MANGANESE, TOTAL REC, ICP (EPA 200.7)</b>		<b>10/09/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
1123	MANGANESE ICP TOTAL RECOVERABLE	33.1	UG/L	1.0		3.0

Analysis Method		Analysis Date	Lab Comment			
<b>AMMONIA (AS N), DISS (EPA 350.1)</b>		<b>10/23/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
608	NITROGEN NH3-N DISS	ND	MG/L	0.015		0.048

Analysis Method		Analysis Date	Lab Comment			
<b>NITRATE+NITRITE (AS N), DISS (EPA 353.2)</b>		<b>10/23/2012</b>	<b>MATRIX SPIKE QC EXCEEDED</b>			
Code	Description	Result	Units	LOD	Report Limit	LOQ
631	NITROGEN NO3+NO2 DISS (AS N)	*0.155	MG/L	0.019		0.061

Analysis Method		Analysis Date	Lab Comment			
<b>TOTAL KJELDAHL NITROGEN (AS N) (EPA 310/11/2012)</b>						
Code	Description	Result	Units	LOD	Report Limit	LOQ
625	NITROGEN KJELDAHL TOTAL	ND	MG/L	0.14		0.4

Analysis Method		Analysis Date	Lab Comment			
<b>TOTAL DISS PHOSPHORUS (AS P), (EPA 365.1)</b>		<b>10/19/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
666	PHOSPHORUS TOTAL DISS	0.091	MG/L	0.005		0.016

Analysis Method		Analysis Date	Lab Comment			
<b>POTASSIUM, TOTAL REC, ICP (EPA 200.7)</b>		<b>10/09/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
50245	POTASSIUM TOTAL RECOVERABLE	1.0	MG/L	0.1		0.3

Analysis Method		Analysis Date	Lab Comment			
<b>SODIUM, TOTAL REC, ICP (EPA 200.7)</b>		<b>10/09/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
923	SODIUM TOTAL RECOVERABLE	3.1	MG/L	0.1		0.3

Analysis Method		Analysis Date	Lab Comment			
<b>TEMPERATURE ON RECEIPT-ICED</b>		<b>10/04/2012</b>				
Code	Description	Result	Units	LOD	Report Limit	LOQ
136	TEMPERATURE AT LAB	ICED	C		0	