



RMB

Environmental Laboratories, Inc.

www.rmbel.info

Bloomington, MN
2200 West 94th Street
Bloomington, MN 55431
952-456-8470

Detroit Lakes, MN
22796 County Highway 6
Detroit Lakes, MN 56501
218-846-1465

Hibbing, MN
1111 7th Ave. E
Hibbing, MN 55746
218-440-2043

Laboratory Results
July 9, 2020
Original Report
Page 1 of 7

Report To: Lake Washington Improvement Assoc
Attn: Dave Rathe
69382 213th St
Darwin, MN 55325

Bill To: Lake Washington Improvement Associatio
PO Box 68
Dassel, MN 55325

Project: Lake Monitoring
Lab Code: 508035
Matrix: Stormwater
Collection: Grab
Samplers: David Rathe
Date/Time Sampled: 06/30/20 1045
Date/Time Received: 07/02/20 1047
Sample Description: 303

Contact/Phone: Robert Borash, 218-846-1465
Sample Receipt: Samples meet proper sampling and transportation guidelines
Received on ice.
Temperature: 5.0 - 5.4 °C

Compound	Analysis Method	Preparation Date/Time	Analysis Date/Time	DF	Method MDL	Sample RL	Sample Result	Qualifier
Classical Chemistry								
Phosphorus, Total as P	EPA 365.3	07/07/20: 1031	07/07/20: 1524	1	0.002	0.003	0.440 mg/L	
Residue- Nonfilterable (TSS)	SM 2540 D-2011	07/06/20: 1422	07/06/20		1	1	2.6 mg/L	

Comments: The client preserved the nutrient bottle with H2SO4 to a pH below 2 units upon collection. The lab verified complete preservation upon receipt.

DF = Dilution Factor
RL = Reporting limit of the analysis method.
MDL = Minimum detection limit of the analysis method.

Report approved by:

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All analyses performed at RMB-Detroit Lakes unless appropriately qualified.

Detroit Lakes Certification / Accreditation Numbers: EPA Lab ID #MN00918 • Minnesota Department of Health #027-005-336 • North Dakota Department of Health # R-187
Hibbing (HB) Certification / Accreditation Numbers: EPA Lab ID #MN01082 • Minnesota Department of Health #027-137-480 • North Dakota Department of Health # R-228
Bloomington Certification / Accreditation Numbers: EPA Lab ID #MN01091 • Minnesota Department of Health #027-053-475 • North Dakota Department of Health # R-231



RMB

Environmental Laboratories, Inc.

www.rmbel.info

Bloomington, MN
2200 West 94th Street
Bloomington, MN 55431
952-456-8470

Detroit Lakes, MN
22796 County Highway 6
Detroit Lakes, MN 56501
218-846-1465

Hibbing, MN
1111 7th Ave. E
Hibbing, MN 55746
218-440-2043

Laboratory Results
July 9, 2020
Original Report
Page 2 of 7

Report To: Lake Washington Improvement Assoc
Attn: Dave Rathe
69382 213th St
Darwin, MN 55325

Bill To: Lake Washington Improvement Associatio
PO Box 68
Dassel, MN 55325

Project: Lake Monitoring
Lab Code: 508036
Matrix: Stormwater
Collection: Grab
Samplers: David Rathe
Date/Time Sampled: 06/30/20 1030
Date/Time Received: 07/02/20 1047
Sample Description: 308

Contact/Phone: Robert Borash, 218-846-1465
Sample Receipt: Samples meet proper sampling and transportation guidelines
Received on ice.
Temperature: 5.0 - 5.4 °C

Compound	Analysis Method	Preparation Date/Time	Analysis Date/Time	DF	Method MDL	Sample RL	Sample Result	Qualifier
Classical Chemistry								
Phosphorus, Total as P	EPA 365.3	07/07/20: 1031	07/07/20: 1457	1	0.002	0.003	0.178 mg/L	
Residue- Nonfilterable (TSS)	SM 2540 D-2011	07/06/20: 1422	07/06/20		1	1	1.6 mg/L	

Comments: The client preserved the nutrient bottle with H2SO4 to a pH below 2 units upon collection. The lab verified complete preservation upon receipt.

DF = Dilution Factor
RL = Reporting limit of the analysis method.
MDL = Minimum detection limit of the analysis method.

Report approved by:

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All analyses performed at RMB-Detroit Lakes unless appropriately qualified.

Detroit Lakes Certification / Accreditation Numbers: EPA Lab ID #MN00918 • Minnesota Department of Health #027-005-336 • North Dakota Department of Health # R-187
Hibbing (HB) Certification / Accreditation Numbers: EPA Lab ID #MN01082 • Minnesota Department of Health #027-137-480 • North Dakota Department of Health # R-228
Bloomington Certification / Accreditation Numbers: EPA Lab ID #MN01091 • Minnesota Department of Health #027-053-475 • North Dakota Department of Health # R-231



RMB

Environmental Laboratories, Inc.

www.rmbel.info

Bloomington, MN
2200 West 94th Street
Bloomington, MN 55431
952-456-8470

Detroit Lakes, MN
22796 County Highway 6
Detroit Lakes, MN 56501
218-846-1465

Hibbing, MN
1111 7th Ave. E
Hibbing, MN 55746
218-440-2043

Laboratory Results
July 9, 2020
Original Report
Page 3 of 7

Report To: Lake Washington Improvement Assoc
Attn: Dave Rathe
69382 213th St
Darwin, MN 55325

Bill To: Lake Washington Improvement Associatio
PO Box 68
Dassel, MN 55325

Project: Lake Monitoring
Lab Code: 508037
Matrix: Stormwater
Collection: Grab
Samplers: David Rathe
Date/Time Sampled: 06/30/20 1000
Date/Time Received: 07/02/20 1047
Sample Description: 310

Contact/Phone: Robert Borash, 218-846-1465
Sample Receipt: Samples meet proper sampling and transportation guidelines
Received on ice.
Temperature: 5.0 - 5.4 °C

Compound	Analysis Method	Preparation Date/Time	Analysis Date/Time	DF	Method MDL	Sample RL	Sample Result	Qualifier
Classical Chemistry								
Phosphorus, Total as P	EPA 365.3	07/07/20: 1031	07/07/20: 1457	1	0.002	0.003	0.128 mg/L	
Residue- Nonfilterable (TSS)	SM 2540 D-2011	07/06/20: 1422	07/06/20		1	1	10.4 mg/L	

Comments: The client preserved the nutrient bottle with H2SO4 to a pH below 2 units upon collection. The lab verified complete preservation upon receipt.

DF = Dilution Factor
RL = Reporting limit of the analysis method.
MDL = Minimum detection limit of the analysis method.

Report approved by:

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All analyses performed at RMB-Detroit Lakes unless appropriately qualified.



RMB

Environmental Laboratories, Inc.

www.rmbel.info

Bloomington, MN
2200 West 94th Street
Bloomington, MN 55431
952-456-8470

Detroit Lakes, MN
22796 County Highway 6
Detroit Lakes, MN 56501
218-846-1465

Hibbing, MN
1111 7th Ave. E
Hibbing, MN 55746
218-440-2043

Laboratory Results
July 9, 2020
Original Report
Page 4 of 7

Report To: Lake Washington Improvement Assoc
Attn: Dave Rathe
69382 213th St
Darwin, MN 55325

Bill To: Lake Washington Improvement Associatio
PO Box 68
Dassel, MN 55325

Project: Lake Monitoring
Lab Code: 508038
Matrix: Stormwater
Collection: Grab
Samplers: David Rathe
Date/Time Sampled: 06/30/20 0930
Date/Time Received: 07/02/20 1047
Sample Description: 311

Contact/Phone: Robert Borash, 218-846-1465
Sample Receipt: Samples meet proper sampling and transportation guidelines
Received on ice.
Temperature: 5.0 - 5.4 °C

Compound	Analysis Method	Preparation Date/Time	Analysis Date/Time	DF	Method MDL	Sample RL	Sample Result	Qualifier
Classical Chemistry								
Phosphorus, Total as P	EPA 365.3	07/07/20: 1031	07/07/20: 1457	1	0.002	0.003	0.130 mg/L	
Residue- Nonfilterable (TSS)	SM 2540 D-2011	07/06/20: 1518	07/06/20		1	2	8.4 mg/L	di

Comments: The client preserved the nutrient bottle with H2SO4 to a pH below 2 units upon collection. The lab verified complete preservation upon receipt.

DF = Dilution Factor
RL = Reporting limit of the analysis method.
MDL = Minimum detection limit of the analysis method.
di = The reporting limit (RL) was raised. Dilution of the sample was necessary due to the high concentrations of this analyte and/or matrix interferences.

Report approved by:

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All analyses performed at RMB-Detroit Lakes unless appropriately qualified.

Detroit Lakes Certification / Accreditation Numbers: EPA Lab ID #MN00918 • Minnesota Department of Health #027-005-336 • North Dakota Department of Health # R-187
Hibbing (HB) Certification / Accreditation Numbers: EPA Lab ID #MN01082 • Minnesota Department of Health #027-137-480 • North Dakota Department of Health # R-228
Bloomington Certification / Accreditation Numbers: EPA Lab ID #MN01091 • Minnesota Department of Health #027-053-475 • North Dakota Department of Health # R-231



RMB

Environmental Laboratories, Inc.

www.rmbel.info

Bloomington, MN
2200 West 94th Street
Bloomington, MN 55431
952-456-8470

Detroit Lakes, MN
22796 County Highway 6
Detroit Lakes, MN 56501
218-846-1465

Hibbing, MN
1111 7th Ave. E
Hibbing, MN 55746
218-440-2043

Laboratory Results
July 9, 2020
Original Report
Page 5 of 7

Report To: Lake Washington Improvement Assoc
Attn: Dave Rathe
69382 213th St
Darwin, MN 55325

Bill To: Lake Washington Improvement Associatio
PO Box 68
Dassel, MN 55325

Project: Lake Monitoring
Lab Code: 508039
Matrix: Stormwater
Collection: Grab
Samplers: David Rathe
Date/Time Sampled: 06/30/20 1130
Date/Time Received: 07/02/20 1047
Sample Description: 312

Contact/Phone: Robert Borash, 218-846-1465
Sample Receipt: Samples meet proper sampling and transportation guidelines
Received on ice.
Temperature: 5.0 - 5.4 °C

Compound	Analysis Method	Preparation Date/Time	Analysis Date/Time	DF	Method MDL	Sample RL	Sample Result	Qualifier
Classical Chemistry								
Phosphorus, Total as P	EPA 365.3	07/07/20: 1031	07/07/20: 1457	1	0.002	0.003	0.178 mg/L	
Residue- Nonfilterable (TSS)	SM 2540 D-2011	07/06/20: 1518	07/06/20		1	1	8.1 mg/L	

Comments: The client preserved the nutrient bottle with H2SO4 to a pH below 2 units upon collection. The lab verified complete preservation upon receipt.

DF = Dilution Factor
RL = Reporting limit of the analysis method.
MDL = Minimum detection limit of the analysis method.

Report approved by:

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All analyses performed at RMB-Detroit Lakes unless appropriately qualified.

Detroit Lakes Certification / Accreditation Numbers: EPA Lab ID #MN00918 • Minnesota Department of Health #027-005-336 • North Dakota Department of Health # R-187
Hibbing (HB) Certification / Accreditation Numbers: EPA Lab ID #MN01082 • Minnesota Department of Health #027-137-480 • North Dakota Department of Health # R-228
Bloomington Certification / Accreditation Numbers: EPA Lab ID #MN01091 • Minnesota Department of Health #027-053-475 • North Dakota Department of Health # R-231



RMB

Environmental Laboratories, Inc.

www.rmbel.info

Bloomington, MN
2200 West 94th Street
Bloomington, MN 55431
952-456-8470

Detroit Lakes, MN
22796 County Highway 6
Detroit Lakes, MN 56501
218-846-1465

Hibbing, MN
1111 7th Ave. E
Hibbing, MN 55746
218-440-2043

Laboratory Results
July 9, 2020
Original Report
Page 6 of 7

Report To: Lake Washington Improvement Assoc
Attn: Dave Rathe
69382 213th St
Darwin, MN 55325

Bill To: Lake Washington Improvement Associatio
PO Box 68
Dassel, MN 55325

Project: Lake Monitoring
Lab Code: 508040
Matrix: Stormwater
Collection: Grab
Samplers: David Rathe
Date/Time Sampled: 06/30/20 1100
Date/Time Received: 07/02/20 1047
Sample Description: 313

Contact/Phone: Robert Borash, 218-846-1465
Sample Receipt: Samples meet proper sampling and transportation guidelines
Received on ice.
Temperature: 5.0 - 5.4 °C

Compound	Analysis Method	Preparation Date/Time	Analysis Date/Time	DF	Method MDL	Sample RL	Sample Result	Qualifier
Classical Chemistry								
Phosphorus, Total as P	EPA 365.3	07/07/20: 1031	07/07/20: 1457	1	0.002	0.003	0.077 mg/L	
Residue- Nonfilterable (TSS)	SM 2540 D-2011	07/06/20: 1518	07/06/20		1	1	< 1 mg/L	wr

Comments: The client preserved the nutrient bottle with H2SO4 to a pH below 2 units upon collection. The lab verified complete preservation upon receipt.

DF = Dilution Factor
RL = Reporting limit of the analysis method.
MDL = Minimum detection limit of the analysis method.
wr = The weight of the residue did not meet method requirements of a minimum of 2.5mg.

Report approved by:

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All analyses performed at RMB-Detroit Lakes unless appropriately qualified.

Detroit Lakes Certification / Accreditation Numbers: EPA Lab ID #MN00918 • Minnesota Department of Health #027-005-336 • North Dakota Department of Health # R-187
Hibbing (HB) Certification / Accreditation Numbers: EPA Lab ID #MN01082 • Minnesota Department of Health #027-137-480 • North Dakota Department of Health # R-228
Bloomington Certification / Accreditation Numbers: EPA Lab ID #MN01091 • Minnesota Department of Health #027-053-475 • North Dakota Department of Health # R-231



RMB

Environmental Laboratories, Inc.

www.rmbel.info

Bloomington, MN
2200 West 94th Street
Bloomington, MN 55431
952-456-8470

Detroit Lakes, MN
22796 County Highway 6
Detroit Lakes, MN 56501
218-846-1465

Hibbing, MN
1111 7th Ave. E
Hibbing, MN 55746
218-440-2043

CHAIN OF CUSTODY RECORD

Electronic version available at <http://www.rmbel.info/lab/chains-of-custody/>

RMB Environmental Laboratories, Inc.
Bloomington, MN
1.888.200.5770
rmbel@rmbel.info

RMB Environmental Laboratories, Inc.
Detroit Lakes, MN
www.rmbel.info

Client: Lake Washington-Temp Assoc
 Project Name: Water Inlets
 Report to: David Reathe
 Report to Email: skrather@aol.com
 Station ID/Sample Description: 303
 Date: 6/20/10
 Time: 10:30
 # of Bottles: 2
 Start Date: 6/20/10
 End Date: 6/20/10
 Start Depth (m): Surf
 End Depth (m): Surf
 Sample Type: Water
 Matrix: Water

Relinquished by Lab (signature): [Signature] Date: 6/20/10 Time: 1:30
 Received by Lab (signature): [Signature] Date: 6/20/10 Time: 10:47

Shipping to Lab: Sneeze UPS FedEx FedEx RMB Courier

Interlab Shipping: Sneeze UPS FedEx Courier RMB Courier

Comments: The client preserved the nutrient bottle with H2SO4 to a pH below 2 units upon collection. The lab verified complete preservation upon receipt.

DF = Dilution Factor
RL = Reporting limit of the analysis method.
MDL = Minimum detection limit of the analysis method.
wr = The weight of the residue did not meet method requirements of a minimum of 2.5mg.

Report approved by:

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All analyses performed at RMB-Detroit Lakes unless appropriately qualified.