

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: FIFE LAKE AREA UTILITY AUTHORITY

Name:

ClientProj: QUARTERLY MONITOR WELLS -

GTA ProjNo: 052025-1

Site Addr: 10701 VAN'S LANE

Sampled By: FIFE LAKE
RAY RAVARY/FLAUA

Date Rec: 5/20/2025

Time Rec: 11:08 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-5	5/20/2025	8:41 AM	WATER
2	MW-7	5/20/2025	9:03 AM	WATER
3	MW-12	5/20/2025	9:48 AM	WATER
4	MW-13	5/20/2025	8:01 AM	WATER
5	MW-14	5/20/2025	8:18 AM	WATER
6	MW-15	5/20/2025	9:24 AM	WATER
7	CELL 1	5/20/2025	10:14 AM	WATER
8	CELL 2	5/20/2025	10:06 AM	WATER
9	CELL 3	5/20/2025	10:01 AM	WATER

ELECTRONIC SIGNATURE REPORT. This is a final report for the following pages of data for the samples specified above. All analysis was performed by the methods stated and all quality control measures required were completed. All quality control information is available upon request.

Kirk Chase

Kirk L. Chase/Chemist
Grand Traverse Analytical
830 Robinwood Court
Traverse City, MI 49686
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COMPANY: FIFE LAKE AREA UTILITY AUTHORITY
PROJECT NO: QUARTERLY MONITOR WELLS - BIMONTHLY
LOCATION: 10701 VAN'S LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: MW-5

GTA PROJECT NO: 052025-1
GTA SAMPLE NO: 1
DATE RECEIVED: 5/20/2025
TIME RECEIVED: 11:08 AM
DATE SAMPLED: 5/20/2025
TIME SAMPLED: 8:41 AM
SAMPLE MATRIX: WATER

SAMPLE RESULTS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
AMMONIA-N EPA 350.1	<0.015	0.015	mg/L (PPM)	KC	5/27/2025
CHLORIDE EPA 300.0	83	10	mg/L (PPM)	KC/TR	5/21/2025
CONDUCTIVITY SM2510-B	690	1.0	uS/cm@25C	TR	5/21/2025
NITRATE-N EPA 300.0	3.6	0.20	mg/L (PPM)	KC/TR	5/21/2025
NITRITE-N EPA 300.0	<0.20	0.20	mg/L (PPM)	KC/TR	5/21/2025
SODIUM EPA 200.8	38	12	mg/L (PPM)	MR	6/9/2025
TOTAL INORGANIC NITROGEN	3.6	0.42	mg/L (PPM)	KC/TR	5/27/2025
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	TR	5/23/2025

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DISS = DISSOLVED

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LOCATION: 10701 VAN'S LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: MW-7

GTA PROJECT NO: 052025-1
GTA SAMPLE NO: 2
DATE RECEIVED: 5/20/2025
TIME RECEIVED: 11:08 AM
DATE SAMPLED: 5/20/2025
TIME SAMPLED: 9:03 AM
SAMPLE MATRIX: WATER

SAMPLE RESULTS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
AMMONIA-N EPA 350.1	<0.015	0.015	mg/L (PPM)	KC	5/27/2025
CHLORIDE EPA 300.0	73	10	mg/L (PPM)	KC/TR	5/21/2025
CONDUCTIVITY SM2510-B	610	1.0	uS/cm@25C	TR	5/21/2025
NITRATE-N EPA 300.0	3.6	0.20	mg/L (PPM)	KC/TR	5/21/2025
NITRITE-N EPA 300.0	<0.20	0.20	mg/L (PPM)	KC/TR	5/21/2025
SODIUM EPA 200.8	36	12	mg/L (PPM)	MR	6/9/2025
TOTAL INORGANIC NITROGEN	3.6	0.42	mg/L (PPM)	KC/TR	5/27/2025
TOTAL PHOSPHORUS EPA 365.3	0.041	0.010	mg/L (PPM)	TR	5/23/2025

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LOCATION: 10701 VAN'S LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: MW-12

GTA PROJECT NO: 052025-1
GTA SAMPLE NO: 3
DATE RECEIVED: 5/20/2025
TIME RECEIVED: 11:08 AM
DATE SAMPLED: 5/20/2025
TIME SAMPLED: 9:48 AM
SAMPLE MATRIX: WATER

SAMPLE RESULTS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
AMMONIA-N EPA 350.1	<0.015	0.015	mg/L (PPM)	KC	5/27/2025
CHLORIDE EPA 300.0	110	10	mg/L (PPM)	KC/TR	5/21/2025
CONDUCTIVITY SM2510-B	790	1.0	uS/cm@25C	TR	5/21/2025
NITRATE-N EPA 300.0	6.8	0.20	mg/L (PPM)	KC/TR	5/21/2025
NITRITE-N EPA 300.0	<0.20	0.20	mg/L (PPM)	KC/TR	5/21/2025
SODIUM EPA 200.8	63	12	mg/L (PPM)	MR	6/9/2025
TOTAL INORGANIC NITROGEN	6.8	0.42	mg/L (PPM)	KC/TR	5/27/2025
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	TR	5/23/2025

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PROJECT NO: QUARTERLY MONITOR WELLS - BIMONTHLY
LOCATION: 10701 VAN'S LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: MW-13

GTA PROJECT NO: 052025-1
GTA SAMPLE NO: 4
DATE RECEIVED: 5/20/2025
TIME RECEIVED: 11:08 AM
DATE SAMPLED: 5/20/2025
TIME SAMPLED: 8:01 AM
SAMPLE MATRIX: WATER

SAMPLE RESULTS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
AMMONIA-N EPA 350.1	<0.015	0.015	mg/L (PPM)	KC	5/27/2025
CHLORIDE EPA 300.0	36	10	mg/L (PPM)	KC/TR	5/21/2025
CONDUCTIVITY SM2510-B	720	1.0	uS/cm@25C	TR	5/21/2025
NITRATE-N EPA 300.0	5.7	0.20	mg/L (PPM)	KC/TR	5/21/2025
NITRITE-N EPA 300.0	<0.20	0.20	mg/L (PPM)	KC/TR	5/21/2025
SODIUM EPA 200.8	<12	12	mg/L (PPM)	MR	6/9/2025
TOTAL INORGANIC NITROGEN	5.7	0.42	mg/L (PPM)	KC/TR	5/27/2025
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	TR	5/23/2025

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LOCATION: 10701 VAN'S LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: MW-14

GTA PROJECT NO: 052025-1
GTA SAMPLE NO: 5
DATE RECEIVED: 5/20/2025
TIME RECEIVED: 11:08 AM
DATE SAMPLED: 5/20/2025
TIME SAMPLED: 8:18 AM
SAMPLE MATRIX: WATER

SAMPLE RESULTS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
AMMONIA-N EPA 350.1	<0.015	0.015	mg/L (PPM)	KC	5/27/2025
CHLORIDE EPA 300.0	110	10	mg/L (PPM)	KC/TR	5/21/2025
CONDUCTIVITY SM2510-B	850	1.0	uS/cm@25C	TR	5/21/2025
NITRATE-N EPA 300.0	2.3	0.20	mg/L (PPM)	KC/TR	5/21/2025
NITRITE-N EPA 300.0	<0.20	0.20	mg/L (PPM)	KC/TR	5/21/2025
SODIUM EPA 200.8	47	12	mg/L (PPM)	MR	6/9/2025
TOTAL INORGANIC NITROGEN	2.3	0.42	mg/L (PPM)	KC/TR	5/27/2025
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	TR	5/23/2025

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PROJECT NO: QUARTERLY MONITOR WELLS - BIMONTHLY
LOCATION: 10701 VAN'S LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: MW-15

GTA PROJECT NO: 052025-1
GTA SAMPLE NO: 6
DATE RECEIVED: 5/20/2025
TIME RECEIVED: 11:08 AM
DATE SAMPLED: 5/20/2025
TIME SAMPLED: 9:24 AM
SAMPLE MATRIX: WATER

SAMPLE RESULTS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
AMMONIA-N EPA 350.1	<0.015	0.015	mg/L (PPM)	KC	5/27/2025
CHLORIDE EPA 300.0	90	10	mg/L (PPM)	KC/TR	5/21/2025
CONDUCTIVITY SM2510-B	720	1.0	uS/cm@25C	TR	5/21/2025
NITRATE-N EPA 300.0	4.7	0.20	mg/L (PPM)	KC/TR	5/21/2025
NITRITE-N EPA 300.0	<0.20	0.20	mg/L (PPM)	KC/TR	5/21/2025
SODIUM EPA 200.8	40	12	mg/L (PPM)	MR	6/9/2025
TOTAL INORGANIC NITROGEN	4.7	0.42	mg/L (PPM)	KC/TR	5/27/2025
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	TR	5/23/2025

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COMPANY: FIFE LAKE AREA UTILITY AUTHORITY GTA PROJECT NO: 052025-1
PROJECT NO: QUARTERLY MONITOR WELLS - BIMONTHLY GTA SAMPLE NO: 7
LOCATION: 10701 VAN'S LANE DATE RECEIVED: 5/20/2025
FIFE LAKE TIME RECEIVED: 11:08 AM
MI DATE SAMPLED: 5/20/2025
SAMPLED BY: RAY RAVARY/FLAUA TIME SAMPLED: 10:14 AM
SAMPLE ID: CELL 1 SAMPLE MATRIX: WATER

SAMPLE ANALYSIS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
ALKALINITY SM 4500CO2D (BICARBONATE)	300	10	mg/L (PPM)	TR	5/23/2025
ALKALINITY SM 4500CO2D (CARBONATE)	<10	10	mg/L (PPM)	TR	5/23/2025
AMMONIA-N EPA 350.1	24	0.30	mg/L (PPM)	KC	5/27/2025
CHLORIDE EPA 300.0	170	10	mg/L (PPM)	KC/TR	5/21/2025
NITRATE-N EPA 300.0	0.96	0.20	mg/L (PPM)	KC/TR	5/21/2025
NITRITE-N EPA 300.0	1.4	0.20	mg/L (PPM)	KC/TR	5/21/2025
SODIUM EPA 200.8	130	12	mg/L (PPM)	MR	6/9/2025
TOTAL INORGANIC NITROGEN	26	0.70	mg/L (PPM)	KC/TR	5/27/2025
TOTAL PHOSPHORUS EPA 365.3	2.8	0.010	mg/L (PPM)	TR	5/23/2025

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PROJECT NO: QUARTERLY MONITOR WELLS - BIMONTHLY
LOCATION: 10701 VAN'S LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: CELL 2

GTA PROJECT NO: 052025-1
GTA SAMPLE NO: 8
DATE RECEIVED: 5/20/2025
TIME RECEIVED: 11:08 AM
DATE SAMPLED: 5/20/2025
TIME SAMPLED: 10:06 AM
SAMPLE MATRIX: WATER

SAMPLE ANALYSIS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
ALKALINITY SM 4500CO2D (BICARBONATE)	270	10	mg/L (PPM)	TR	5/23/2025
ALKALINITY SM 4500CO2D (CARBONATE)	<10	10	mg/L (PPM)	TR	5/23/2025
AMMONIA-N EPA 350.1	22	0.30	mg/L (PPM)	KC	5/27/2025
CHLORIDE EPA 300.0	170	10	mg/L (PPM)	KC/TR	5/21/2025
NITRATE-N EPA 300.0	4.7	0.20	mg/L (PPM)	KC/TR	5/21/2025
NITRITE-N EPA 300.0	2.0	0.20	mg/L (PPM)	KC/TR	5/21/2025
SODIUM EPA 200.8	130	12	mg/L (PPM)	MR	6/9/2025
TOTAL INORGANIC NITROGEN	29	0.70	mg/L (PPM)	KC/TR	5/27/2025
TOTAL PHOSPHORUS EPA 365.3	2.6	0.010	mg/L (PPM)	TR	5/23/2025

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PROJECT NO: QUARTERLY MONITOR WELLS - BIMONTHLY
LOCATION: 10701 VAN'S LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: CELL 3

GTA PROJECT NO: 052025-1
GTA SAMPLE NO: 9
DATE RECEIVED: 5/20/2025
TIME RECEIVED: 11:08 AM
DATE SAMPLED: 5/20/2025
TIME SAMPLED: 10:01 AM
SAMPLE MATRIX: WATER

SAMPLE ANALYSIS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
ALKALINITY SM 4500CO2D (BICARBONATE)	150	10	mg/L (PPM)	TR	5/23/2025
ALKALINITY SM 4500CO2D (CARBONATE)	11	10	mg/L (PPM)	TR	5/23/2025
AMMONIA-N EPA 350.1	6.9	0.075	mg/L (PPM)	KC	5/27/2025
CHLORIDE EPA 300.0	170	10	mg/L (PPM)	KC/TR	5/21/2025
NITRATE-N EPA 300.0	0.76	0.20	mg/L (PPM)	KC/TR	5/21/2025
NITRITE-N EPA 300.0	1.7	0.20	mg/L (PPM)	KC/TR	5/21/2025
SODIUM EPA 200.8	110	12	mg/L (PPM)	MR	6/9/2025
TOTAL INORGANIC NITROGEN	9.4	0.48	mg/L (PPM)	KC/TR	5/27/2025
TOTAL PHOSPHORUS EPA 365.3	1.5	0.010	mg/L (PPM)	TR	5/23/2025

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CHAIN OF CUSTODY

PROJECT NUMBER MW + Bi Monthly	SITE NAME/ADDRESS 10701 VANLANE F.FELAKE MI 49633	COMPANY/NAME FLAUA
SAMPLED BY Ray Ravary	COMPANY FLAUA	GTA PROJECT # 052025-1

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
2	MW 5	5/20/25	8:41	w/w	Quarterly MW
2	MW 7		9:03	w/w	
2	MW 12		9:48	w/w	
2	MW 13		8:01	w/w	
2	MW 14		8:18	w/w	
2	MW 15		9:24	w/w	
2	cell 1		10:14	w/w	Bi Monthly Eff + Alkalinity
2	cell 2		10:06	w/w	
2	cell 3		10:01	w/w	

BILL TO: FLAUA
C/O H&R Block
Kingsley

TempRec: ☐

2.40C

On Ice? ☒

☒ Y ☐ N

REPORT TO:
RRAVARY @ provide.net
Glenn O Hunter @ Yahoo.com

RELEASED BY

DATE/TIME

Ray Ravary

5-20-25
11:04

RECEIVED BY

DATE/TIME

K. O. Hunter

5/20/25 11:08

REQUESTED TAT ☐ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS