



Lake Huron Water Treatment Plant Mineral Report

Sample Date: 06/14/2016

Parameter	Formula	Units	Raw	Tap	MCL	Sec.Std	MDL
Turbidity		NTU	0.55	0.07	0.3/95% (1)		
Total Solids		mg/L	172	160		500	10
Total Dissolved Solids		mg/L	152	153		500	10
Aluminum	Al	mg/L	< 0.050	< 0.050		0.05-0.2	0.005
Iron	Fe	mg/L	0.058	< 0.050		0.3	0.005
Copper	Cu	mg/L	< 0.005	< 0.005	1.3	1.0	0.002
Magnesium	Mg	mg/L	11.52	10.78			0.5
Calcium	Ca	mg/L	31.1	29.3			0.1
Sodium	Na	mg/L	5.99	6.24		20 (2)	0.1
Potassium	K	mg/L	0.96	0.96			0.1
Manganese	Mn	mg/L	0.003	< 0.002		0.05	0.002
Lead	Pb	mg/L	< 0.002	< 0.002	0.015 (AL)		0.002
Zinc	Zn	mg/L	< 0.010	< 0.010		5	0.1
Silica	SiO ₂	mg/L	0.9	1.1			0.4
Sulfate	SO ₄ ²⁻	mg/L	15.1	19.6		250	
Chloride	Cl ⁻	mg/L	9.5	11.0		250	5
Phosphorus	P	mg/L	< 0.05	0.43			0.05
Free Carbon Dioxide	CO ₂	mg/L	2.0	4.1			
Total Hardness (3), (4), (5)		mg/L	104	104			
Total Alkalinity (3)		mg/L	92	82			
Carbonate Alkalinity (3)		mg/L	0	0			
Bi-Carbonate Alkalinity (3)		mg/L	92	82			
Non-Carbonate Hardness (3)		mg/L	12	22			
Chemical Oxygen Demand		mg/L	4.0	4.0			2
Dissolved Oxygen		mg/L	9.5	10.5			
Nitrite Nitrogen	NO ₂ ⁻ -N	mg/L	< 0.1	< 0.1	1		0.1
Nitrate Nitrogen	NO ₃ ⁻ -N	mg/L	0.39	0.39	10		0.1
Fluoride	F ⁻	mg/L	0.09	0.87	4.0	2.0	0.5
pH			7.95	7.60	6.5-8.5	6.5-8.5	
Specific Conductance @ 25 °C.		micromhos	222	234			
Temperature		°C	18.0	18.1			

Legend	Notes:
MCL: Maximum Contaminant Level	(1) Turbidity must not exceed 0.3 NTU in 95% of samples in any month and always be < 1 NTU
Sec.Std: Secondary Standard	(2) EPA Guidance Level
NTU: Nephelometric Turbidity Unit	(3) As Calcium Carbonate
mg/L: Milligram Per Liter	mg/L is equivalent to part per million (ppm)
AL: Action Level	
MDL: Method Detection Limit	(4) By Titration
< : Less than	(5) Tap Water Hardness in Grains per Gallon 6.03 GPG
AE: Analytical Error	(6) Reported results are below the low calibration standard but above the instrument
IV: Invalid Sample	detection limit.

Analyst: Brian Brown Chemist-I Initial **B. B.** Date: 07/05/2016
 Reviewed By: Patrick Williford Chemist-II Initial **P. W.** Date: 07/06/2016

Great Lakes Water Authority



WATER QUALITY DEPARTMENT
 10100 EAST JEFFERSON AVENUE
 DETROIT, MICHIGAN 48214
 PHONE: 313-926-8102 / 313-926-8127

Southwest Water Treatment Plant Mineral Report

Sample Date: 06/14/2016

Parameter	Formula	Units	Raw	Tap	MCL	Sec.Std	MDL
Turbidity		NTU	5.30	0.04	0.3/95% (1)		
Total Solids		mg/L	152	145		500	10
Total Dissolved Solids		mg/L	114	134		500	10
Aluminum	Al	mg/L	< 0.050	< 0.050		0.05-0.2	0.005
Iron	Fe	mg/L	0.133	< 0.050		0.3	0.005
Copper	Cu	mg/L	0.011	< 0.005	1.3	1.0	0.002
Magnesium	Mg	mg/L	11.20	11.20			0.5
Calcium	Ca	mg/L	28.5	27.6			0.1
Sodium	Na	mg/L	5.65	6.04		20 (2)	0.1
Potassium	K	mg/L	1.01	1.06			0.1
Manganese	Mn	mg/L	0.005	< 0.002		0.05	0.002
Lead	Pb	mg/L	< 0.002	< 0.002	0.015 (AL)		0.002
Zinc	Zn	mg/L	< 0.010	< 0.010		5	0.1
Silica	SiO ₂	mg/L	0.5	0.6			0.4
Sulfate	SO ₄ ²⁻	mg/L	16.8	23.9		250	
Chloride	Cl ⁻	mg/L	9.5	11.0		250	5
Phosphorus	P	mg/L	< 0.05	0.34			0.05
Free Carbon Dioxide	CO ₂	mg/L	1.2	3.6			
Total Hardness (3), (4), (5)		mg/L	104	104			
Total Alkalinity (3)		mg/L	84	80			
Carbonate Alkalinity (3)		mg/L	0	0			
Bi-Carbonate Alkalinity (3)		mg/L	84	80			
Non-Carbonate Hardness (3)		mg/L	20	24			
Chemical Oxygen Demand		mg/L	4.0	4.0			2
Dissolved Oxygen		mg/L	9.3	9.1			
Nitrite Nitrogen	NO ₂ ⁻ -N	mg/L	< 0.1	< 0.1	1		0.1
Nitrate Nitrogen	NO ₃ ⁻ -N	mg/L	0.34	0.33	10		0.1
Fluoride	F ⁻	mg/L	0.09	0.66	4.0	2.0	0.5
pH			8.14	7.64	6.5-8.5	6.5-8.5	
Specific Conductance @ 25 °C.		micromhos	231	237			
Temperature		°C	19.7	19.1			

Legend	Notes:
MCL: Maximum Contaminant Level	(1) Turbidity must not exceed 0.3 NTU in 95% of samples in any month and always be < 1 NTU
Sec.Std: Secondary Standard	(2) EPA Guidance Level
NTU: Nephelometric Turbidity Unit	(3) As Calcium Carbonate
mg/L: Milligram Per Liter	mg/L is equivalent to part per million (ppm)
AL: Action Level	
MDL: Method Detection Limit	(4) By Titration
< : Less than	(5) Tap Water Hardness in Grains per Gallon 6.03 GPG
AE: Analytical Error	(6) Reported results are below the low calibration standard but above the instrument
IV: Invalid Sample	detection limit.

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Great Lakes Water Authority



WATER QUALITY DEPARTMENT
 10100 EAST JEFFERSON AVENUE
 DETROIT, MICHIGAN 48214
 PHONE: 313-926-8102 / 313-926-8127

Water Works Park Water Treatment Plant Mineral Report

Sample Date: 06/14/2016

Parameter	Formula	Units	Raw	Tap	MCL	Sec.Std	MDL
Turbidity		NTU	3.50	0.08	0.3/95% (1)		
Total Solids		mg/L	150	154		500	10
Total Dissolved Solids		mg/L	147	145		500	10
Aluminum	Al	mg/L	0.119	0.111		0.05-0.2	0.005
Iron	Fe	mg/L	0.102	< 0.050		0.3	0.005
Copper	Cu	mg/L	< 0.005	< 0.005	1.3	1.0	0.002
Magnesium	Mg	mg/L	8.32	9.46			0.5
Calcium	Ca	mg/L	28.8	29.3			0.1
Sodium	Na	mg/L	6.20	6.27		20 (2)	0.1
Potassium	K	mg/L	0.90	0.92			0.1
Manganese	Mn	mg/L	0.005	< 0.002		0.05	0.002
Lead	Pb	mg/L	< 0.002	< 0.002	0.015 (AL)		0.002
Zinc	Zn	mg/L	< 0.010	< 0.010		5	0.1
Silica	SiO ₂	mg/L	0.8	0.9			0.4
Sulfate	SO ₄ ²⁻	mg/L	16.1	20.1		250	
Chloride	Cl ⁻	mg/L	9.0	10.5		250	5
Phosphorus	P	mg/L	< 0.05	0.30			0.05
Free Carbon Dioxide	CO ₂	mg/L	5.7	5.1			
Total Hardness (3), (4), (5)		mg/L	100	106			
Total Alkalinity (3)		mg/L	86	84			
Carbonate Alkalinity (3)		mg/L	0	0			
Bi-Carbonate Alkalinity (3)		mg/L	86	84			
Non-Carbonate Hardness (3)		mg/L	14	22			
Chemical Oxygen Demand		mg/L	4.0	4.0			2
Dissolved Oxygen		mg/L	9.5	10.9			
Nitrite Nitrogen	NO ₂ ⁻ -N	mg/L	< 0.1	< 0.1	1		0.1
Nitrate Nitrogen	NO ₃ ⁻ -N	mg/L	0.34	0.34	10		0.1
Fluoride	F ⁻	mg/L	0.08	0.62	4.0	2.0	0.5
pH			7.48	7.52	6.5-8.5	6.5-8.5	
Specific Conductance @ 25 °C.		micromhos	197	246			
Temperature		°C	21.3	20.2			

Legend	Notes:
MCL: Maximum Contaminant Level	(1) Turbidity must not exceed 0.3 NTU in 95% of samples in any month and always be < 1 NTU
Sec.Std: Secondary Standard	(2) EPA Guidance Level
NTU: Nephelometric Turbidity Unit	(3) As Calcium Carbonate
mg/L: Milligram Per Liter	mg/L is equivalent to part per million (ppm)
AL: Action Level	
MDL: Method Detection Limit	(4) By Titration
< : Less than	(5) Tap Water Hardness in Grains per Gallon 6.15 GPG
AE: Analytical Error	(6) Reported results are below the low calibration standard but above the instrument
IV: Invalid Sample	detection limit.

Analyst: Brian Brown Chemist-I Initial **B. B.** Date: 07/05/2016
 Reviewed By: Patrick Williford Chemist-II Initial **P. W.** Date: 07/06/2016

Great Lakes Water Authority



WATER QUALITY DEPARTMENT
 10100 EAST JEFFERSON AVENUE
 DETROIT, MICHIGAN 48214
 PHONE: 313-926-8102 / 313-926-8127

Northeast Water Treatment Plant Mineral Report

Sample Date: 06/14/2016

Parameter	Formula	Units	Raw	Tap	MCL	Sec.Std	MDL
Turbidity		NTU	3.50	0.06	0.3/95% (1)		
Total Solids		mg/L	150	142		500	10
Total Dissolved Solids		mg/L	147	159		500	10
Aluminum	Al	mg/L	0.119	0.055		0.05-0.2	0.005
Iron	Fe	mg/L	0.102	< 0.050		0.3	0.005
Copper	Cu	mg/L	< 0.005	< 0.005	1.3	1.0	0.002
Magnesium	Mg	mg/L	8.32	11.35			0.5
Calcium	Ca	mg/L	28.8	27.1			0.1
Sodium	Na	mg/L	6.20	6.39		20 (2)	0.1
Potassium	K	mg/L	0.90	0.98			0.1
Manganese	Mn	mg/L	0.005	< 0.002		0.05	0.002
Lead	Pb	mg/L	< 0.002	< 0.002	0.015 (AL)		0.002
Zinc	Zn	mg/L	< 0.010	< 0.010		5	0.1
Silica	SiO ₂	mg/L	0.8	0.8			0.4
Sulfate	SO ₄ ²⁻	mg/L	16.1	20.6		250	
Chloride	Cl ⁻	mg/L	9.0	11.0		250	5
Phosphorus	P	mg/L	< 0.05	0.28			0.05
Free Carbon Dioxide	CO ₂	mg/L	5.7	3.6			
Total Hardness (3), (4), (5)		mg/L	100	102			
Total Alkalinity (3)		mg/L	86	80			
Carbonate Alkalinity (3)		mg/L	0	0			
Bi-Carbonate Alkalinity (3)		mg/L	86	80			
Non-Carbonate Hardness (3)		mg/L	14	22			
Chemical Oxygen Demand		mg/L	4.0	4.0			2
Dissolved Oxygen		mg/L	9.5	9.8			
Nitrite Nitrogen	NO ₂ ⁻ -N	mg/L	< 0.1	< 0.1	1		0.1
Nitrate Nitrogen	NO ₃ ⁻ -N	mg/L	0.34	0.30	10		0.1
Fluoride	F ⁻	mg/L	0.08	0.54	4.0	2.0	0.5
pH			7.48	7.64	6.5-8.5	6.5-8.5	
Specific Conductance @ 25 °C.		micromhos	197	234			
Temperature		°C	21.3	19.4			

Legend	Notes:
MCL: Maximum Contaminant Level	(1) Turbidity must not exceed 0.3 NTU in 95% of samples in any month and always be < 1 NTU
Sec.Std: Secondary Standard	(2) EPA Guidance Level
NTU: Nephelometric Turbidity Unit	(3) As Calcium Carbonate
mg/L: Milligram Per Liter	mg/L is equivalent to part per million (ppm)
AL: Action Level	
MDL: Method Detection Limit	(4) By Titration
< : Less than	(5) Tap Water Hardness in Grains per Gallon 5.92 GPG
AE: Analytical Error	(6) Reported results are below the low calibration standard but above the instrument
IV: Invalid Sample	detection limit.

Analyst: Brian Brown Chemist-I Initial **B. B.** Date: 07/05/2016
 Reviewed By: Patrick Williford Chemist-II Initial **P. W.** Date: 07/06/2016

Great Lakes Water Authority



Springwells Water Treatment Plant Mineral Report

Sample Date: 06/14/2016

Parameter	Formula	Units	Raw	Tap	MCL	Sec.Std	MDL
Turbidity		NTU	3.50	0.10	0.3/95% (1)		
Total Solids		mg/L	150	164		500	10
Total Dissolved Solids		mg/L	147	154		500	10
Aluminum	Al	mg/L	0.119	0.062		0.05-0.2	0.005
Iron	Fe	mg/L	0.102	0.120		0.3	0.005
Copper	Cu	mg/L	< 0.005	< 0.005	1.3	1.0	0.002
Magnesium	Mg	mg/L	8.32	12.56			0.5
Calcium	Ca	mg/L	28.8	25.1			0.1
Sodium	Na	mg/L	6.20	5.90		20 (2)	0.1
Potassium	K	mg/L	0.90	1.02			0.1
Manganese	Mn	mg/L	0.005	< 0.002		0.05	0.002
Lead	Pb	mg/L	< 0.002	< 0.002	0.015 (AL)		0.002
Zinc	Zn	mg/L	< 0.010	< 0.010		5	0.1
Silica	SiO ₂	mg/L	0.8	0.8			0.4
Sulfate	SO ₄ ²⁻	mg/L	16.1	21.4		250	
Chloride	Cl ⁻	mg/L	9.0	11.5		250	5
Phosphorus	P	mg/L	< 0.05	0.40			0.05
Free Carbon Dioxide	CO ₂	mg/L	5.7	2.7			
Total Hardness (3), (4), (5)		mg/L	100	106			
Total Alkalinity (3)		mg/L	86	74			
Carbonate Alkalinity (3)		mg/L	0	0			
Bi-Carbonate Alkalinity (3)		mg/L	86	74			
Non-Carbonate Hardness (3)		mg/L	14	32			
Chemical Oxygen Demand		mg/L	4.0	4.0			2
Dissolved Oxygen		mg/L	9.5	10.3			
Nitrite Nitrogen	NO ₂ ⁻ -N	mg/L	< 0.1	< 0.1	1		0.1
Nitrate Nitrogen	NO ₃ ⁻ -N	mg/L	0.34	0.32	10		0.1
Fluoride	F ⁻	mg/L	0.08	0.88	4.0	2.0	0.5
pH			7.48	7.74	6.5-8.5	6.5-8.5	
Specific Conductance @ 25 °C.		micromhos	197	235			
Temperature		°C	21.3	19.8			

Legend	Notes:
MCL: Maximum Contaminant Level	(1) Turbidity must not exceed 0.3 NTU in 95% of samples in any month and always be < 1 NTU
Sec.Std: Secondary Standard	(2) EPA Guidance Level
NTU: Nephelometric Turbidity Unit	(3) As Calcium Carbonate
mg/L: Milligram Per Liter	mg/L is equivalent to part per million (ppm)
AL: Action Level	
MDL: Method Detection Limit	(4) By Titration
< : Less than	(5) Tap Water Hardness in Grains per Gallon 6.15 GPG
AE: Analytical Error	(6) Reported results are below the low calibration standard but above the instrument
IV: Invalid Sample	detection limit.

Analyst: Brian Brown Chemist-I Initial **B. B.** Date: 07/05/2016
 Reviewed By: Patrick Williford Chemist-II Initial **P. W.** Date: 07/06/2016

Great Lakes Water Authority



All GLWA Water Treatment Plant Mineral Reports

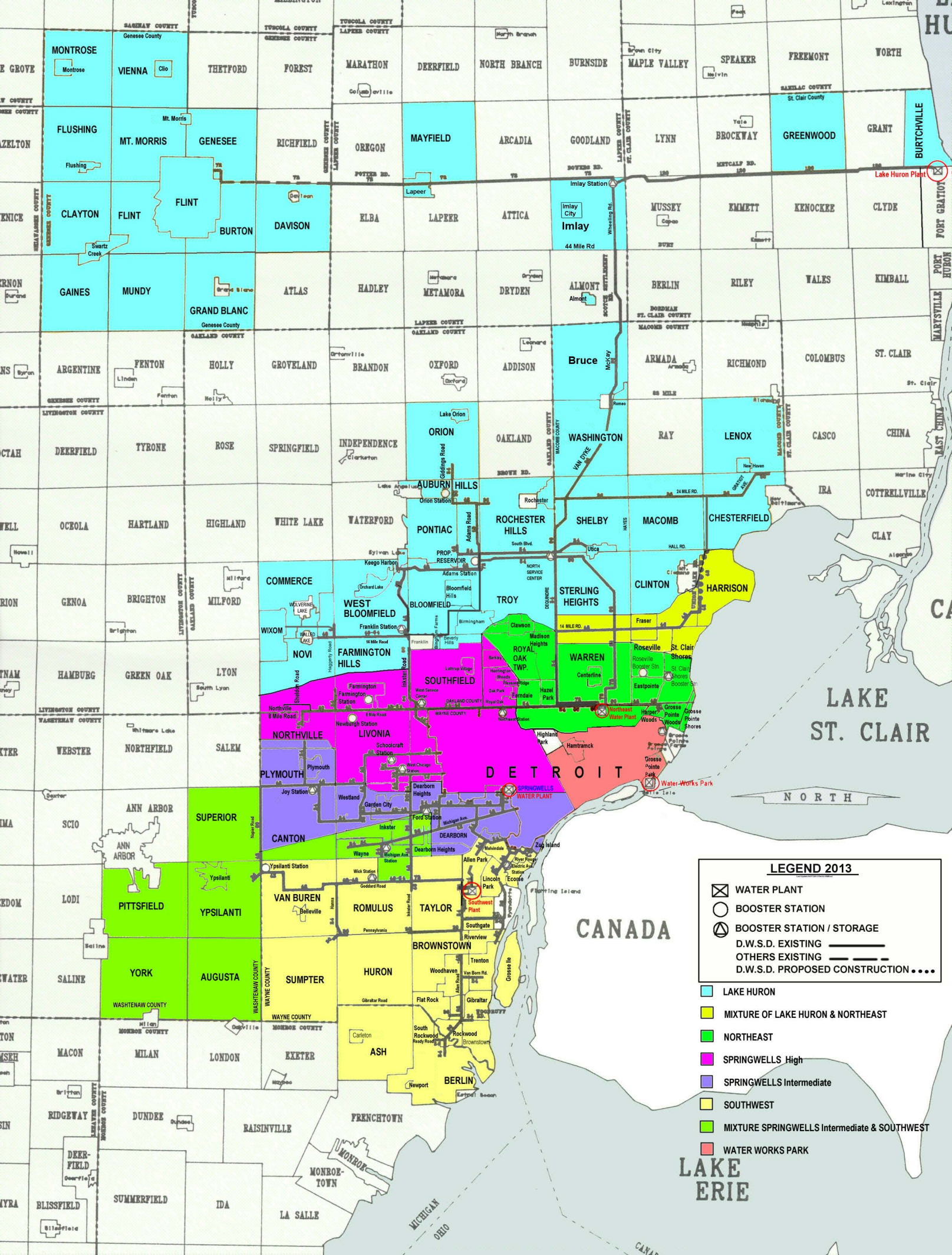
Sample Dates: 06/14/2016 06/14/2016 06/14/2016 06/14/2016 06/14/2016 06/14/2016 06/14/2016 06/14/2016

Parameter	Formula	Units	Lake Huron		Southwest		Belle Isle	Water Works Park	Northeast	Springwells	MCL	Sec.Std	MDL
			Raw	Tap	Raw	Tap	Raw	Tap	Tap	Tap			
Turbidity		NTU	0.55	0.07	5.30	0.04	3.50	0.08	0.06	0.10	0.3/95% (1)		
Total Solids		mg/L	172	160	152	145	150	154	142	164		500	10
Total Dissolved Solids		mg/L	152	153	114	134	147	145	159	154		500	10
Aluminum	Al	mg/L	< 0.050	< 0.050	< 0.050	< 0.050	0.119	0.111	0.055	0.062		0.05-0.2	0.005
Iron	Fe	mg/L	0.058	< 0.050	0.133	< 0.050	0.102	< 0.050	< 0.050	0.120		0.3	0.005
Copper	Cu	mg/L	< 0.005	< 0.005	0.011	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	1.3	1.0	0.002
Magnesium	Mg	mg/L	11.52	10.78	11.20	11.20	8.32	9.46	11.35	12.56			0.5
Calcium	Ca	mg/L	31.1	29.3	28.5	27.6	28.8	29.3	27.1	25.1			0.1
Sodium	Na	mg/L	5.99	6.24	5.65	6.04	6.20	6.27	6.39	5.90		20 (2)	0.1
Potassium	K	mg/L	0.96	0.96	1.01	1.06	0.90	0.92	0.98	1.02			0.1
Manganese	Mn	mg/L	0.003	< 0.002	0.005	< 0.002	0.005	< 0.002	< 0.002	< 0.002		0.05	0.002
Lead	Pb	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.015 (AL)		0.002
Zinc	Zn	mg/L	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010		5	0.1
Silica	SiO ₂	mg/L	0.9	1.1	0.5	0.6	0.8	0.9	0.8	0.8			0.4
Sulfate	SO ₄ ²⁻	mg/L	15.1	19.6	16.8	23.9	16.1	20.1	20.6	21.4		250	
Chloride	Cl ⁻	mg/L	9.5	11.0	9.5	11.0	9.0	10.5	11.0	11.5		250	5
Phosphorus	P	mg/L	< 0.05	0.43	< 0.05	0.34	< 0.05	0.30	0.28	0.40			0.05
Free Carbon Dioxide	CO ₂	mg/L	2.0	4.1	1.2	3.6	5.7	5.1	3.6	2.7			
Total Hardness (3), (4), (5)		mg/L	104	104	104	104	100	106	102	106			
Total Alkalinity (3)		mg/L	92	82	84	80	86	84	80	74			
Carbonate Alkalinity (3)		mg/L	0	0	0	0	0	0	0	0			
Bi-Carbonate Alkalinity (3)		mg/L	92	82	84	80	86	84	80	74			
Non-Carbonate Hardness (3)		mg/L	12	22	20	24	14	22	22	32			
Chemical Oxygen Demand		mg/L	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0			2
Dissolved Oxygen		mg/L	9.5	10.5	9.3	9.1	9.5	10.9	9.8	10.3			
Nitrite Nitrogen	NO ₂ -N	mg/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	1		0.1
Nitrate Nitrogen	NO ₃ -N	mg/L	0.39	0.39	0.34	0.33	0.34	0.34	0.30	0.32	10		0.1
Fluoride	F ⁻	mg/L	0.09	0.87	0.09	0.66	0.08	0.62	0.54	0.88	4.0	2.0	0.5
pH			7.95	7.60	8.14	7.64	7.48	7.52	7.64	7.74	6.5-8.5	6.5-8.5	
Specific Conductance @ 25 °C.		micromhos	222	234	231	237	197	246	234	235			
Temperature		°C	18.0	18.1	19.7	19.1	21.3	20.2	19.4	19.8			

Legend	Notes:
MCL: Maximum Contaminant Level	(1) Turbidity must not exceed 0.3 NTU in 95% of samples in any month and always be < 1 NTU
Sec.Std: Secondary Standard	(2) EPA Guidance Level
NTU: Nephelometric Turbidity Unit	(3) As Calcium Carbonate
mg/L: Milligram Per Liter	mg/L is equivalent to part per million (ppm)
AL: Action Level	
MDL: Method Detection Limit	(4) By Titration
< : Less than	(5) Tap Water Hardness in Grains per Gallon multiply value by 0.058 (Grains/Gallon)/(mg/L)
AE: Analytical Error	(6) Reported results are below the low calibration standard but above the instrument
IV: Invalid Sample	detection limit.

Analyst: Brian Brown Chemist-I Initial **B. B.** Date: 07/05/2016
 Reviewed By: Patrick Williford Chemist-II Initial **P. W.** Date: 07/06/2016

Great Lakes Water Authority



LEGEND 2013

- ☒ WATER PLANT
- BOOSTER STATION
- ⊕ BOOSTER STATION / STORAGE
- D.W.S.D. EXISTING
- - - OTHERS EXISTING
- ⋯ D.W.S.D. PROPOSED CONSTRUCTION

- ☐ LAKE HURON
- ☐ MIXTURE OF LAKE HURON & NORTHEAST
- ☐ NORTHEAST
- ☐ SPRINGWELLS High
- ☐ SPRINGWELLS Intermediate
- ☐ SOUTHWEST
- ☐ MIXTURE SPRINGWELLS Intermediate & SOUTHWEST
- ☐ WATER WORKS PARK

**LAKE
ERIE**

MICHIGAN
OHIO

NORTH

CANADA

LAKE
ST. CLAIR

DETROIT

MONTROSE

VIENNA

THETFORD

FOREST

MARATHON

DEERFIELD

NORTH BRANCH

BURNSIDE

MAPLE VALLEY

SPEAKER

FREEMONT

WORTH

BURCHVILLE

FLUSHING

MT. MORRIS

GENESEE

RICHFIELD

OREGON

MAYFIELD

ARCADIA

GOODLAND

LYNN

BROCKWAY

GREENWOOD

GRANT

CLYDE

PORT GRATON

CLAYTON

FLINT

FLINT

BURTON

DAVISON

ELBA

LAPEER

ATTICA

IMLAY

MUSSEY

EMMETT

KENOCKEE

CLYDE

PORT GRATON

GAINES

MUNDY

GRAND BLANC

ATLAS

HADLEY

METAMORA

DRYDEN

ALMONT

BERLIN

RILEY

WALES

KIMBALL

ST. CLAIR

PORT GRATON

ARGENTINE

FENTON

HOLLY

GROVELAND

BRANDON

OXFORD

ADDISON

BRUCE

ARMADA

RICHMOND

COLOMBUS

ST. CLAIR

ST. CLAIR

PORT GRATON

DEERFIELD

TYBONE

ROSE

SPRINGFIELD

INDEPENDENCE

OAKLAND

WASHINGTON

RAY

LENOX

CASCO

CHINA

ST. CLAIR

ST. CLAIR

PORT GRATON

OCOLA

HARTLAND

HIGHLAND

WHITE LAKE

WATERFORD

PONTIAC

ROCHESTER HILLS

SHELBY

MACOMB

CHESTERFIELD

CLAY

CLAY

COTTRELLVILLE

PORT GRATON

GENOA

BRIGHTON

MILFORD

COMMERCE

WEST BLOOMFIELD

BLOOMFIELD

TROY

STERLING HEIGHTS

CLINTON

HARRISON

ST. CLAIR

ST. CLAIR

ST. CLAIR

PORT GRATON

HAMBURG

GREEN OAK

LYON

NOVI

FARMINGTON HILLS

SOUTHFIELD

ROYAL OAK TWP

WARREN

ST. CLAIR

ST. CLAIR

ST. CLAIR

ST. CLAIR

ST. CLAIR

PORT GRATON

WEBSTER

NORTHFIELD

SALEM

NORTHVILLE

LIVONIA

PLYMOUTH

DEARBORN

DEARBORN

DEARBORN

DEARBORN

DEARBORN

DEARBORN

DEARBORN

PORT GRATON

ANN ARBOR

ANN ARBOR

SCIO

SUPERIOR

CANTON

PLYMOUTH

PLYMOUTH

PLYMOUTH

PLYMOUTH

PLYMOUTH

PLYMOUTH

PLYMOUTH

PLYMOUTH

PORT GRATON

LODI

PITTSFIELD

YPSILANTI

YPSILANTI

VAN BUREN

ROMULUS

TAYLOR

TAYLOR

TAYLOR

TAYLOR

TAYLOR

TAYLOR

TAYLOR

PORT GRATON

SALINE

YORK

AUGUSTA

SUMPTER

HURON

HURON

HURON

HURON

HURON

HURON

HURON

HURON

HURON

PORT GRATON

MACON

MILAN

LONDON

EXETER

ASH

ASH

ASH

ASH

ASH

ASH

ASH

ASH

ASH

PORT GRATON

RIDGEWAY

DUNDEE

RAISINVILLE

FRENCHTOWN

FRENCHTOWN

FRENCHTOWN

FRENCHTOWN

FRENCHTOWN

FRENCHTOWN

FRENCHTOWN

FRENCHTOWN

FRENCHTOWN

FRENCHTOWN

PORT GRATON

DEERFIELD

BLISSFIELD

SUMMERFIELD

IDA

LA SALLE

LA SALLE

LA SALLE

LA SALLE

LA SALLE

LA SALLE

LA SALLE

LA SALLE

LA SALLE

PORT GRATON