



**Detroit Water and Sewerage Department**  
**Water Quality Division**  
**Laboratory Analysis of Water Samples Collected at**  
**Lake Huron Plant**  
**07/14/2015**

Parameter	Formula	Units	Raw	Tap	MCL	Sec.Std	MDL
Turbidity		NTU	0.74	0.07	0.3/95% (1)		
Total Solids		mg/L	182	164		500	10
Total Dissolved Solids		mg/L	162	163		500	10
Aluminum	Al	mg/L	< 0.050	< 0.050		0.05-0.2	0.005
Iron	Fe	mg/L	0.360	0.281		0.3	0.005
Copper	Cu	mg/L	< 0.005	< 0.005	1.3	1.0	0.002
Magnesium	Mg	mg/L	7.71	7.53			0.5
Calcium	Ca	mg/L	30.1	27.4			0.1
Sodium	Na	mg/L	5.41	5.38		20 (2)	0.1
Potassium	K	mg/L	0.92	0.89			0.1
Manganese	Mn	mg/L	< 0.002	< 0.002		0.05	0.002
Lead	Pb	mg/L	< 0.002	< 0.002	0.015 (AL)		0.002
Zinc	Zn	mg/L	0.02	< 0.010		5	0.1
Silica	SiO <sub>2</sub>	mg/L	0.7	1.0			0.4
Sulfate	SO <sub>4</sub> <sup>2-</sup>	mg/L	17.3	21.1		250	
Chloride	Cl <sup>-</sup>	mg/L	8.0	9.5		250	5
Phosphorus	P	mg/L	< 0.05	0.49			0.05
Free Carbon Dioxide	CO <sub>2</sub>	mg/L	3.7	4.8			
Total Hardness (3), (4), (5)		mg/L	106	102			
Total Alkalinity (3)		mg/L	82	96			
Carbonate Alkalinity (3)		mg/L	0	0			
Bi-Carbonate Alkalinity (3)		mg/L	82	96			
Non-Carbonate Hardness (3)		mg/L	24	6			
Chemical Oxygen Demand		mg/L	2.8	2.0			2
Dissolved Oxygen		mg/L	6.3	6.7			
Nitrite Nitrogen	NO <sub>2</sub> <sup>-</sup> -N	mg/L	< 0.1	< 0.1	1		0.1
Nitrate Nitrogen	NO <sub>3</sub> <sup>-</sup> -N	mg/L	0.30	0.30	10		0.1
Fluoride	F <sup>-</sup>	mg/L	0.10	0.59	4.0	2.0	0.5
pH			7.65	7.60	6.5-8.5	6.5-8.5	
Specific Conductance @ 25 °C.		micromhos	231	228			
Temperature		°C	20.1	19.9			

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 <b>5.92 GPG</b>
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      Initial **B. B.**      Date: 10/07/2015  
 Reviewed By: Patrick Williford      Chemist      Initial **P. W.**      Date: 10/08/2015

**Detroit Water & Sewerage Department**



**Detroit Water and Sewerage Department**  
**Water Quality Division**  
**Laboratory Analysis of Water Samples Collected at**  
**Southwest Plant**  
**07/14/2015**

Parameter	Formula	Units	Raw	Tap	MCL	Sec.Std	MDL
Turbidity		NTU	3.20	0.10	0.3/95% (1)		
Total Solids		mg/L	164	159		500	10
Total Dissolved Solids		mg/L	159	170		500	10
Aluminum	Al	mg/L	0.858	0.053		0.05-0.2	0.005
Iron	Fe	mg/L	0.774	0.268		0.3	0.005
Copper	Cu	mg/L	0.017	< 0.005	1.3	1.0	0.002
Magnesium	Mg	mg/L	10.54	8.43			0.5
Calcium	Ca	mg/L	39.7	31.1			0.1
Sodium	Na	mg/L	6.12	6.03		20 (2)	0.1
Potassium	K	mg/L	1.04	1.01			0.1
Manganese	Mn	mg/L	0.006	< 0.002		0.05	0.002
Lead	Pb	mg/L	0.005	< 0.002	0.015 (AL)		0.002
Zinc	Zn	mg/L	< 0.010	< 0.010		5	0.1
Silica	SiO <sub>2</sub>	mg/L	0.6	0.6			0.4
Sulfate	SO <sub>4</sub> <sup>2-</sup>	mg/L	17.1	25.0		250	
Chloride	Cl <sup>-</sup>	mg/L	9.0	11.5		250	5
Phosphorus	P	mg/L	< 0.05	0.30			0.05
Free Carbon Dioxide	CO <sub>2</sub>	mg/L	0.8	4.8			
Total Hardness (3), (4), (5)		mg/L	106	114			
Total Alkalinity (3)		mg/L	88	76			
Carbonate Alkalinity (3)		mg/L	0	0			
Bi-Carbonate Alkalinity (3)		mg/L	88	76			
Non-Carbonate Hardness (3)		mg/L	18	38			
Chemical Oxygen Demand		mg/L	2.4	3.2			2
Dissolved Oxygen		mg/L	9.7	9.2			
Nitrite Nitrogen	NO <sub>2</sub> <sup>-</sup> -N	mg/L	< 0.1	< 0.1	1		0.1
Nitrate Nitrogen	NO <sub>3</sub> <sup>-</sup> -N	mg/L	0.46	0.54	10		0.1
Fluoride	F <sup>-</sup>	mg/L	0.10	0.54	4.0	2.0	0.5
pH			8.33	7.50	6.5-8.5	6.5-8.5	
Specific Conductance @ 25 °C.		micromhos	249	222			
Temperature		°C	21.7	21.1			

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 <b>6.61 GPG</b>
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      Initial **B. B.**      Date: 10/07/2015  
 Reviewed By: Patrick Williford      Chemist      Initial **P. W.**      Date: 10/08/2015

**Detroit Water & Sewerage Department**



**Detroit Water and Sewerage Department**  
**Water Quality Division**  
**Laboratory Analysis of Water Samples Collected at**  
**Water Works Park Plant**  
**07/14/2015**

Parameter	Formula	Units	Raw	Tap	MCL	Sec.Std	MDL
Turbidity		NTU	0.56	0.06	0.3/95% (1)		
Total Solids		mg/L	183	198		500	10
Total Dissolved Solids		mg/L	163	173		500	10
Aluminum	Al	mg/L	0.135	0.124		0.05-0.2	0.005
Iron	Fe	mg/L	0.332	0.326		0.3	0.005
Copper	Cu	mg/L	< 0.005	< 0.005	1.3	1.0	0.002
Magnesium	Mg	mg/L	8.13	10.36			0.5
Calcium	Ca	mg/L	29.8	29.8			0.1
Sodium	Na	mg/L	5.60	5.67		20 (2)	0.1
Potassium	K	mg/L	0.86	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 <sub>2</sub>	mg/L	0.4	0.4			0.4
Sulfate	SO <sub>4</sub> <sup>2-</sup>	mg/L	17.5	21.7		250	
Chloride	Cl <sup>-</sup>	mg/L	8.0	10.0		250	5
Phosphorus	P	mg/L	< 0.05	0.30			0.05
Free Carbon Dioxide	CO <sub>2</sub>	mg/L	0.5	4.3			
Total Hardness (3), (4), (5)		mg/L	103	100			
Total Alkalinity (3)		mg/L	72	76			
Carbonate Alkalinity (3)		mg/L	0	0			
Bi-Carbonate Alkalinity (3)		mg/L	72	76			
Non-Carbonate Hardness (3)		mg/L	31	24			
Chemical Oxygen Demand		mg/L	8.4	3.2			2
Dissolved Oxygen		mg/L	9.7	10.5			
Nitrite Nitrogen	NO <sub>2</sub> <sup>-</sup> -N	mg/L	< 0.1	< 0.1	1		0.1
Nitrate Nitrogen	NO <sub>3</sub> <sup>-</sup> -N	mg/L	0.31	0.30	10		0.1
Fluoride	F <sup>-</sup>	mg/L	0.12	0.65	4.0	2.0	0.5
pH			8.44	7.55	6.5-8.5	6.5-8.5	
Specific Conductance @ 25 °C.		micromhos	207	209			
Temperature		°C	22.3	22.4			

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 <b>5.80 GPG</b>
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      Initial **B. B.**      Date: 10/07/2015  
 Reviewed By: Patrick Williford      Chemist      Initial **P. W.**      Date: 10/08/2015

**Detroit Water & Sewerage Department**



**Detroit Water and Sewerage Department**  
**Water Quality Division**  
**Laboratory Analysis of Water Samples Collected at**  
**Northeast Plant**  
**07/14/2015**

Parameter	Formula	Units	Raw	Tap	MCL	Sec.Std	MDL
Turbidity		NTU	0.56	0.06	0.3/95% (1)		
Total Solids		mg/L	183	155		500	10
Total Dissolved Solids		mg/L	163	162		500	10
Aluminum	Al	mg/L	0.135	< 0.050		0.05-0.2	0.005
Iron	Fe	mg/L	0.332	0.267		0.3	0.005
Copper	Cu	mg/L	< 0.005	< 0.005	1.3	1.0	0.002
Magnesium	Mg	mg/L	8.13	10.20			0.5
Calcium	Ca	mg/L	29.8	30.6			0.1
Sodium	Na	mg/L	5.60	5.97		20 (2)	0.1
Potassium	K	mg/L	0.86	0.90			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 <sub>2</sub>	mg/L	0.4	0.5			0.4
Sulfate	SO <sub>4</sub> <sup>2-</sup>	mg/L	17.5	23.9		250	
Chloride	Cl <sup>-</sup>	mg/L	8.0	10.5		250	5
Phosphorus	P	mg/L	< 0.05	0.28			0.05
Free Carbon Dioxide	CO <sub>2</sub>	mg/L	0.5	5.5			
Total Hardness (3), (4), (5)		mg/L	103	102			
Total Alkalinity (3)		mg/L	72	88			
Carbonate Alkalinity (3)		mg/L	0	0			
Bi-Carbonate Alkalinity (3)		mg/L	72	88			
Non-Carbonate Hardness (3)		mg/L	31	14			
Chemical Oxygen Demand		mg/L	8.4	< 2.0			2
Dissolved Oxygen		mg/L	9.7	9.9			
Nitrite Nitrogen	NO <sub>2</sub> <sup>-</sup> -N	mg/L	< 0.1	< 0.1	1		0.1
Nitrate Nitrogen	NO <sub>3</sub> <sup>-</sup> -N	mg/L	0.31	0.29	10		0.1
Fluoride	F <sup>-</sup>	mg/L	0.12	0.55	4.0	2.0	0.5
pH			8.44	7.50	6.5-8.5	6.5-8.5	
Specific Conductance @ 25 °C.		micromhos	207	209			
Temperature		°C	22.3	21.0			

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 <b>5.92 GPG</b>
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      Initial **B. B.**      Date: 10/07/2015  
 Reviewed By: Patrick Williford      Chemist      Initial **P. W.**      Date: 10/08/2015

**Detroit Water & Sewerage Department**



**Detroit Water and Sewerage Department**  
**Water Quality Division**  
**Laboratory Analysis of Water Samples Collected at**  
**Springwells Plant**  
**07/14/2015**

Parameter	Formula	Units	Raw	Tap	MCL	Sec.Std	MDL
Turbidity		NTU	0.56	0.06	0.3/95% (1)		
Total Solids		mg/L	183	150		500	10
Total Dissolved Solids		mg/L	163	146		500	10
Aluminum	Al	mg/L	0.135	< 0.050		0.05-0.2	0.005
Iron	Fe	mg/L	0.332	0.257		0.3	0.005
Copper	Cu	mg/L	< 0.005	< 0.005	1.3	1.0	0.002
Magnesium	Mg	mg/L	8.13	8.94			0.5
Calcium	Ca	mg/L	29.8	25.6			0.1
Sodium	Na	mg/L	5.60	4.86		20 (2)	0.1
Potassium	K	mg/L	0.86	0.90			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	0.06		5	0.1
Silica	SiO <sub>2</sub>	mg/L	0.4	0.8			0.4
Sulfate	SO <sub>4</sub> <sup>2-</sup>	mg/L	17.5	24.7		250	
Chloride	Cl <sup>-</sup>	mg/L	8.0	10.5		250	5
Phosphorus	P	mg/L	< 0.05	0.29			0.05
Free Carbon Dioxide	CO <sub>2</sub>	mg/L	0.5	4.9			
Total Hardness (3), (4), (5)		mg/L	103	104			
Total Alkalinity (3)		mg/L	72	78			
Carbonate Alkalinity (3)		mg/L	0	0			
Bi-Carbonate Alkalinity (3)		mg/L	72	78			
Non-Carbonate Hardness (3)		mg/L	31	26			
Chemical Oxygen Demand		mg/L	8.4	6.8			2
Dissolved Oxygen		mg/L	9.7	9.9			
Nitrite Nitrogen	NO <sub>2</sub> <sup>-</sup> -N	mg/L	< 0.1	< 0.1	1		0.1
Nitrate Nitrogen	NO <sub>3</sub> <sup>-</sup> -N	mg/L	0.31	0.26	10		0.1
Fluoride	F <sup>-</sup>	mg/L	0.12	0.56	4.0	2.0	0.5
pH			8.44	7.50	6.5-8.5	6.5-8.5	
Specific Conductance @ 25 °C.		micromhos	207	212			
Temperature		°C	22.3	21.7			

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 <b>6.03 GPG</b>
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      Initial **B. B.**      Date: 10/07/2015  
 Reviewed By: Patrick Williford      Chemist      Initial **P. W.**      Date: 10/08/2015

**Detroit Water & Sewerage Department**



**Detroit Water and Sewerage Department  
Water Quality Division  
Laboratory Analysis of Water Samples Collected at Each Plant**

Date: 07/14/2015 07/14/2015 07/14/2015 07/14/2015 07/14/2015 07/14/2015 07/14/2015 07/14/2015

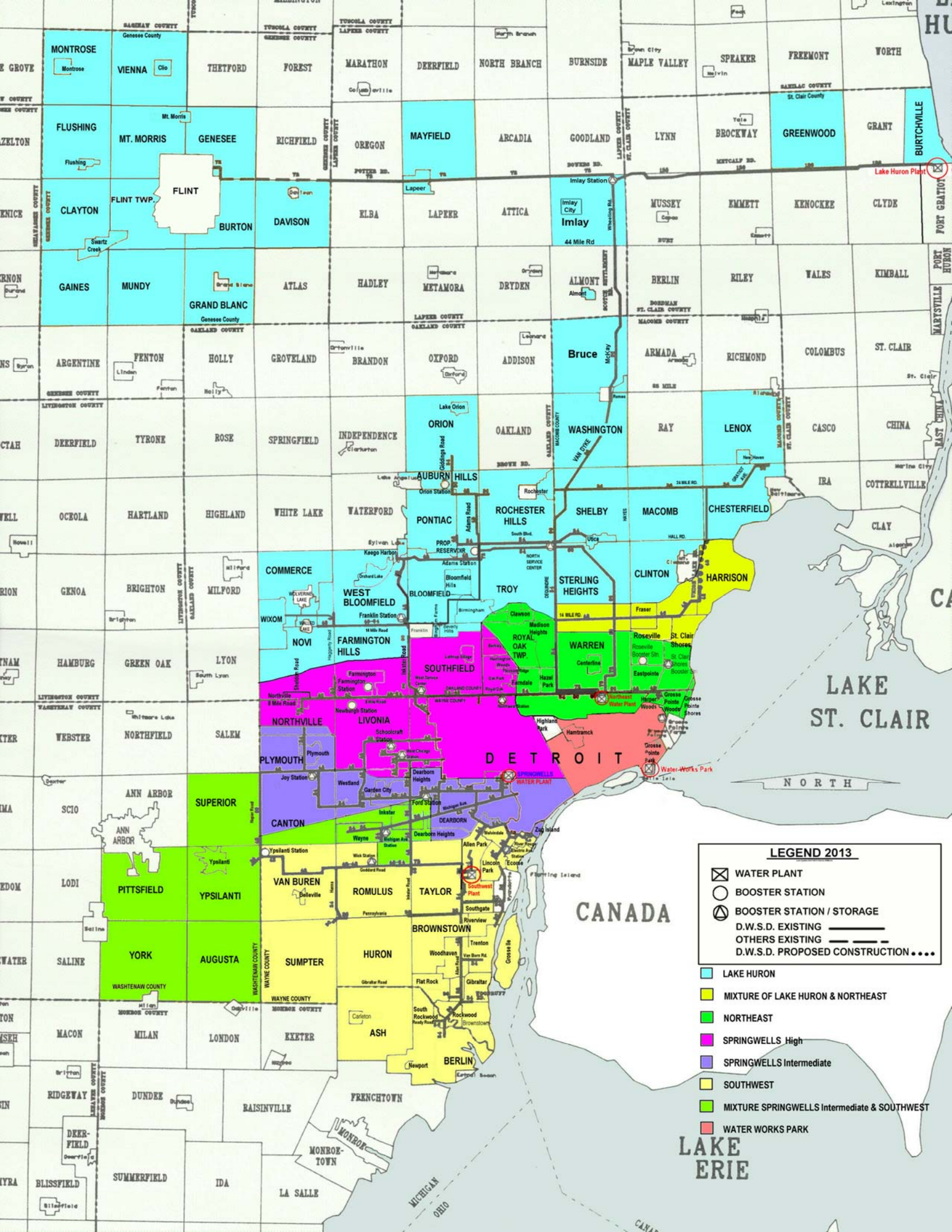
Parameter	Formula	Units	Lake Huron		Southwest		Belle Isle	Water Works Park	Northeast	Springwells	MCL	Sec.Std	MDL
			Raw	Tap	Raw	Tap	Raw	Tap	Tap	Tap			
Turbidity		NTU	0.74	0.07	3.20	0.10	0.56	0.06	0.06	0.06	0.3/95% (1)		
Total Solids		mg/L	182	164	164	159	183	198	155	150		500	10
Total Dissolved Solids		mg/L	162	163	159	170	163	173	162	146		500	10
Aluminum	Al	mg/L	< 0.050	< 0.050	0.858	0.053	0.135	0.124	< 0.050	< 0.050		0.05-0.2	0.005
Iron	Fe	mg/L	0.360	0.281	0.774	0.268	0.332	0.326	0.267	0.257		0.3	0.005
Copper	Cu	mg/L	< 0.005	< 0.005	0.017	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	1.3	1.0	0.002
Magnesium	Mg	mg/L	7.71	7.53	10.54	8.43	8.13	10.36	10.20	8.94			0.5
Calcium	Ca	mg/L	30.1	27.4	39.7	31.1	29.8	29.8	30.6	25.6			0.1
Sodium	Na	mg/L	5.41	5.38	6.12	6.03	5.60	5.67	5.97	4.86		20 (2)	0.1
Potassium	K	mg/L	0.92	0.89	1.04	1.01	0.86	0.96	0.90	0.90			0.1
Manganese	Mn	mg/L	< 0.002	< 0.002	0.006	< 0.002	0.003	< 0.002	< 0.002	< 0.002		0.05	0.002
Lead	Pb	mg/L	< 0.002	< 0.002	0.005	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.015 (AL)		0.002
Zinc	Zn	mg/L	0.02	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.06		5	0.1
Silica	SiO <sub>2</sub>	mg/L	0.7	1.0	0.6	0.6	0.4	1.0	0.4	0.5			0.4
Sulfate	SO <sub>4</sub> <sup>2-</sup>	mg/L	17.3	21.1	17.1	25.0	17.5	21.7	23.9	24.7		250	
Chloride	Cl <sup>-</sup>	mg/L	8.0	9.5	9.0	11.5	8.0	10.0	10.5	10.5		250	5
Phosphorus	P	mg/L	< 0.05	0.49	< 0.05	0.30	< 0.05	0.30	0.28	0.29			0.05
Free Carbon Dioxide	CO <sub>2</sub>	mg/L	3.7	4.8	0.8	4.8	0.5	4.3	5.5	4.9			
Total Hardness (3), (4), (5)		mg/L	106	102	106	114	103	100	102	104			
Total Alkalinity (3)		mg/L	82	96	88	76	72	76	88	78			
Carbonate Alkalinity (3)		mg/L	0	0	0	0	0	0	0	0			
Bi-Carbonate Alkalinity (3)		mg/L	82	96	88	76	72	76	88	78			
Non-Carbonate Hardness (3)		mg/L	24	6	18	38	31	24	14	26			
Chemical Oxygen Demand		mg/L	2.8	2.0	2.4	3.2	8.4	3.2	< 2.0	6.8			2
Dissolved Oxygen		mg/L	6.3	6.7	9.7	9.2	9.7	10.5	9.9	9.9			
Nitrite Nitrogen	NO <sub>2</sub> <sup>-</sup> -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 <sub>3</sub> <sup>-</sup> -N	mg/L	0.30	0.30	0.46	0.54	0.31	0.30	0.29	0.26	10		0.1
Fluoride	F <sup>-</sup>	mg/L	0.10	0.59	0.10	0.54	0.12	0.65	0.55	0.56	4.0	2.0	0.5
pH			7.65	7.60	8.33	7.50	8.44	7.55	7.50	7.50	6.5-8.5	6.5-8.5	
Specific Conductance @ 25 °C.		micromhos	231	228	249	222	207	209	209	212			
Temperature		°C	20.1	19.9	21.7	21.1	22.3	22.4	21.0	21.7			

<b>Legend</b>	<b>Notes:</b>
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 detection limit.
IV: Invalid Sample	

Analyst: Brian Brown	Chemist	Initial	<b>B. B.</b>	Date: 10/07/2015
Reviewed By: Patrick Williford	Chemist	Initial	<b>P. W.</b>	Date: 10/08/2015

**Detroit Water & Sewerage Department**



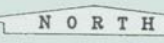


**LEGEND 2013**

- ☒ 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**



**CANADA**

MICHIGAN OHIO

HU

PORT GRATIEN

PORT HURON

MARYSVILLE

EAST CHINA

CA

**LAKE  
ST. CLAIR**

NORTH

Map showing various counties and cities including: SAGINAW COUNTY, TUSCOLA COUNTY, LAFAYETTE COUNTY, DEERFIELD, NORTH BRANCH, BURNSIDE, MAPLE VALLEY, SPEAKER, FREEMONT, WORTH, MONROE, VIENNA, OTO, THETFORD, FOREST, MARATHON, MAYFIELD, ARCADIA, GOODLAND, LYNN, BROCKWAY, GREENWOOD, GRANT, BURTCHVILLE, FLUSHING, MT. MORRIS, GENESEE, RICHFIELD, OREGON, ELBA, LAPER, ATTICA, IMLAY, MUSSEY, EMMETT, KENOCKEE, CLYDE, CLAYTON, FLINT TWP., FLINT, BURTON, DAVISON, ALMONT, BERLIN, RILEY, WALES, KIMBALL, GAINES, MUNDY, GRAND BLANC, ATLAS, HADLEY, METAMORA, DRYDEN, ALMONT, BERLIN, RILEY, WALES, KIMBALL, ARGENTINE, FENTON, HOLLY, GROVELAND, BRANDON, OXFORD, ADDISON, BRUCE, ARMADA, RICHMOND, COLOMBUS, ST. CLAIR, TYRONE, ROSE, SPRINGFIELD, INDEPENDENCE, OAKLAND, WASHINGTON, RAY, LENOX, CASCO, CHINA, DEERFIELD, TYRONE, ROSE, SPRINGFIELD, INDEPENDENCE, OAKLAND, WASHINGTON, RAY, LENOX, CASCO, CHINA, OROCLA, HARTLAND, HIGHLAND, WHITE LAKE, WATERFORD, PONTIAC, ROCHESTER HILLS, SHELBY, MACOMB, CHESTERFIELD, CLAY, COMMERCE, WEST BLOOMFIELD, BLOOMFIELD, TROY, STERLING HEIGHTS, CLINTON, HARRISON, GENOA, BRIGHTON, MILFORD, NOVIO, FARMINGTON HILLS, SOUTHFIELD, ROYAL OAK TWP., WARREN, WESTFIELD, BLOOMFIELD, TROY, STERLING HEIGHTS, CLINTON, HARRISON, HAMBURG, GREEN OAK, LYON, NORTHVILLE, LIVONIA, SOUTHFIELD, ROYAL OAK TWP., WARREN, WESTFIELD, BLOOMFIELD, TROY, STERLING HEIGHTS, CLINTON, HARRISON, WEBSTER, NORTHFIELD, SALEM, PLYMOUTH, CANTON, DEARBORN, DEARBORN HEIGHTS, TAYLOR, BROWNSTOWN, HURON, VAN BUREN, ROMULUS, TAYLOR, BROWNSTOWN, HURON, ANN ARBOR, SUPERIOR, CANTON, DEARBORN, DEARBORN HEIGHTS, TAYLOR, BROWNSTOWN, HURON, PITTSFIELD, YPSILANTI, VAN BUREN, ROMULUS, TAYLOR, BROWNSTOWN, HURON, YORK, AUGUSTA, SUMPTER, HURON, SALINE, MILAN, LONDON, EXETER, ASH, BERLIN, FRENCHTOWN, RIDGEWAY, DUNDEE, RAISINVILLE, MONROE-TOWN, BLISSFIELD, SUMMERFIELD, IDA, LA SALLE.