Chippewa Creek, Bramblewood Branch River Mile 0.10 Sample Date	Parameter	Code	Result	Units	MDL	Method
7/24/2018 11:08	*CaCO3		500	mg/LCaCO3	1	EPA200.8
7/31/2018 11:05	*CaCO3		567	mg/LCaCO3	1	EPA200.8
8/7/2018 10:10	*CaCO3		253	mg/LCaCO3	1	EPA200.8
8/14/2018 9:00	*CaCO3		572	mg/LCaCO3	1	EPA200.8
8/21/2018 10:30	*CaCO3		110	mg/LCaCO3	1	EPA200.8
7/24/2018 11:08	Ag	<	0.254	ug/L	0.254	EPA200.8
7/31/2018 11:05	Ag	<	0.254	ug/L	0.254	EPA200.8
8/7/2018 10:10	Ag	<	0.254	ug/L	0.254	EPA200.8
8/14/2018 9:00	Ag	<	0.254	ug/L	0.254	EPA200.8
8/21/2018 10:30	Ag	<	0.254	ug/L	0.254	EPA200.8
7/24/2018 11:08	Al	j	9.981	ug/L	5	EPA200.8
7/31/2018 11:05	Al	<	5	ug/L	5	EPA200.8
8/7/2018 10:10	Al		216.9	ug/L	5	EPA200.8
8/14/2018 9:00	Al	j	8.947	ug/L	5	EPA200.8
8/21/2018 10:30	Al		1318	ug/L	5	EPA200.8
7/24/2018 11:08	Alkalinity		251	mg/LCaCO3	4.6	EPA310.2
7/31/2018 11:05	Alkalinity		265.1	mg/LCaCO3	4.6	EPA310.2
8/7/2018 10:10	Alkalinity		148.6	mg/LCaCO3	4.6	EPA310.2
8/14/2018 9:00	Alkalinity		263.9	mg/LCaCO3	4.6	EPA310.2
8/21/2018 10:30	Alkalinity		82.2	mg/LCaCO3	4.6	EPA310.2
7/24/2018 11:08	As	<	1.164	ug/L	1.164	EPA200.8
7/31/2018 11:05	As	<	1.164	ug/L	1.164	EPA200.8
8/7/2018 10:10	As	<	1.164	ug/L	1.164	EPA200.8
8/14/2018 9:00	As	<	1.164	ug/L	1.164	EPA200.8
8/21/2018 10:30	As	j	2.174	ug/L	1.164	EPA200.8
7/24/2018 11:08	Ba		43.29	ug/L	0.268	EPA200.8
7/31/2018 11:05	Ba		46.99	ug/L	0.268	EPA200.8
8/7/2018 10:10	Ba		28.44	ug/L	0.268	EPA200.8
8/14/2018 9:00	Ba		47.49	ug/L	0.268	EPA200.8
8/21/2018 10:30	Ba		22.82	ug/L	0.268	EPA200.8
7/24/2018 11:08	Be	<	0.188	ug/L	0.188	EPA200.8
7/31/2018 11:05	Be	<	0.188	ug/L	0.188	EPA200.8
8/7/2018 10:10	Be	<	0.188	ug/L	0.188	EPA200.8
8/14/2018 9:00	Be	<	0.188	ug/L	0.188	EPA200.8
8/21/2018 10:30	Be	<	0.188	ug/L	0.188	EPA200.8
7/24/2018 11:08	BOD	<	2	mg/L	2	SM5210 B
7/31/2018 11:05	BOD	<	2	mg/L	2	SM5210 B
8/7/2018 10:10	BOD	<	2	mg/L	2	SM5210 B
8/14/2018 9:00	BOD	<	2	mg/L	2	SM5210 B

Chippewa Creek, Bramblewood Branch River Mile 0.10						
Sample Date	Parameter	Code	Result	Units	MDL	Method
8/21/2018 10:30	BOD	~	2.4	mg/L	2	SM5210 B
7/24/2018 11:08	Ca		119500	ug/L	56.43	EPA200.8
7/31/2018 11:05	Ca		134500	ug/L	56.43	EPA200.8
8/7/2018 10:10	Ca		64340	ug/L	56.43	EPA200.8
8/14/2018 9:00	Ca		135500	ug/L	56.43	EPA200.8
8/21/2018 10:30	Ca		28910	ug/L	56.43	EPA200.8
7/24/2018 11:08	Cd	<	0.106	ug/L	0.106	EPA200.8
7/31/2018 11:05	Cd	<	0.106	ug/L	0.106	EPA200.8
8/7/2018 10:10	Cd	<	0.106	ug/L	0.106	EPA200.8
8/14/2018 9:00	Cd	<	0.106	ug/L	0.106	EPA200.8
8/21/2018 10:30	Cd	<	0.106	ug/L	0.106	EPA200.8
7/24/2018 11:08	Co	j	0.319	ug/L	0.072	EPA200.8
7/31/2018 11:05	Co	j	0.268	ug/L	0.072	EPA200.8
8/7/2018 10:10	Co	j	0.292	ug/L	0.072	EPA200.8
8/14/2018 9:00	Co	j	0.263	ug/L	0.072	EPA200.8
8/21/2018 10:30	Co		1.046	ug/L	0.072	EPA200.8
7/24/2018 11:08	COD	<	8.8	mg/L	8.8	EPA410.4
7/31/2018 11:05	COD	<	8.8	mg/L	8.8	EPA410.4
8/7/2018 10:10	COD	j	17.5	mg/L	8.8	EPA410.4
8/14/2018 9:00	COD	j	14.5	mg/L	8.8	EPA410.4
8/21/2018 10:30	COD		30.8	mg/L	8.8	EPA410.4
7/24/2018 11:08	Cr	<	0.954	ug/L	0.954	EPA200.8
7/31/2018 11:05	Cr	<	0.954	ug/L	0.954	EPA200.8
8/7/2018 10:10	Cr	<	0.954	ug/L	0.954	EPA200.8
8/14/2018 9:00	Cr	<	0.954	ug/L	0.954	EPA200.8
8/21/2018 10:30	Cr		2.996	ug/L	0.954	EPA200.8
7/24/2018 11:08	Cu		2.738	ug/L	0.22	EPA200.8
7/31/2018 11:05	Cu		2.331	ug/L	0.22	EPA200.8
8/7/2018 10:10	Cu		3.582	ug/L	0.22	EPA200.8
8/14/2018 9:00	Cu		2.204	ug/L	0.22	EPA200.8
8/21/2018 10:30	Cu		6.845	ug/L	0.22	EPA200.8
7/24/2018 11:08	DRPhos	<	0.012	mg/L	0.012	EPA365.1
7/31/2018 11:05	DRPhos	<	0.012	mg/L	0.012	EPA365.1
8/7/2018 10:10	DRPhos	j	0.022	mg/L	0.012	EPA365.1
8/14/2018 9:00	DRPhos	j	0.013	mg/L	0.012	EPA365.1
8/21/2018 10:30	DRPhos		0.035	mg/L	0.012	EPA365.1
7/24/2018 11:08	E. coli		1064	MPN/100 mL	1	SM9223 Colilert
7/31/2018 11:05	E. coli		54	MPN/100 mL	1	SM9223 Colilert

Chippewa Creek, Bramblewood Branch River Mile 0.10 Sample Date	Parameter	Code	Result	Units	MDL	Method
8/7/2018 10:10	E. coli		5900	MPN/100 mL	1	SM9223 Colilert
8/14/2018 9:00	E. coli		308	MPN/100 mL	1	SM9223 Colilert
8/21/2018 10:30	E. coli		7100	MPN/100 mL	1	SM9223 Colilert
7/24/2018 11:08	Fe		561.1	ug/L	4.208	EPA200.8
7/31/2018 11:05	Fe		589.4	ug/L	4.208	EPA200.8
8/7/2018 10:10	Fe		648.2	ug/L	4.208	EPA200.8
8/14/2018 9:00	Fe		647.1	ug/L	4.208	EPA200.8
8/21/2018 10:30	Fe		2360	ug/L	4.208	EPA200.8
7/24/2018 11:08	Field Cond		1286	umhos/cm		SM 2510A
7/31/2018 11:05	Field Cond		1338	umhos/cm		SM 2510A
8/7/2018 10:10	Field Cond		765	umhos/cm		SM 2510A
8/14/2018 9:00	Field Cond		1337	umhos/cm		SM 2510A
8/21/2018 10:30	Field Cond		461	umhos/cm		SM 2510A
7/24/2018 11:08	Field Spec Cond		1481	umhos/cm		SM 2510B
7/31/2018 11:05	Field Spec Cond		1571	umhos/cm		SM 2510B
8/7/2018 10:10	Field Spec Cond		847	umhos/cm		SM 2510B
8/14/2018 9:00	Field Spec Cond		1573	umhos/cm		SM 2510B
8/21/2018 10:30	Field Spec Cond		500	umhos/cm		SM 2510B
7/24/2018 11:08	Field DO		9.9	mg/L		SM 4500-0 G
7/31/2018 11:05	Field DO		10.1	mg/L		SM 4500-0 G
8/7/2018 10:10	Field DO		8.8	mg/L		SM 4500-0 G
8/14/2018 9:00	Field DO		9.5	mg/L		SM 4500-0 G
8/21/2018 10:30	Field DO		8.6	mg/L		SM 4500-0 G
7/24/2018 11:08	Field DO		105	%		
7/31/2018 11:05	Field DO		105	%		
8/7/2018 10:10	Field DO		97	%		
8/14/2018 9:00	Field DO		99	%		
8/21/2018 10:30	Field DO		96	%		
7/24/2018 11:08	Field Temp		18.1	C		EPA 170.1
7/31/2018 11:05	Field Temp		17.2	C		EPA 170.1
8/7/2018 10:10	Field Temp		19.9	C		EPA 170.1
8/14/2018 9:00	Field Temp		17.3	C		EPA 170.1
8/21/2018 10:30	Field Temp		20.9	C		EPA 170.1
7/24/2018 11:08	Hg	<	0.025	ug/L	0.025	EPA245.1
7/31/2018 11:05	Hg	<	0.025	ug/L	0.025	EPA245.1
8/7/2018 10:10	Hg	<	0.025	ug/L	0.025	EPA245.1
8/14/2018 9:00	Hg	<	0.025	ug/L	0.025	EPA245.1
8/21/2018 10:30	Hg	<	0.025	ug/L	0.025	EPA245.1

Chippewa Creek, Bramblewood Branch River Mile 0.10 Sample Date	Parameter	Code	Result	Units	MDL	Method
7/24/2018 11:08	K		3528	ug/L	107.6	EPA200.8
7/31/2018 11:05	K		3524	ug/L	107.6	EPA200.8
8/7/2018 10:10	K		3364	ug/L	107.6	EPA200.8
8/14/2018 9:00	K		3830	ug/L	107.6	EPA200.8
8/21/2018 10:30	K		2709	ug/L	107.6	EPA200.8
7/24/2018 11:08	Mg		48940	ug/L	24.11	EPA200.8
7/31/2018 11:05	Mg		56090	ug/L	24.11	EPA200.8
8/7/2018 10:10	Mg		22390	ug/L	24.11	EPA200.8
8/14/2018 9:00	Mg		56840	ug/L	24.11	EPA200.8
8/21/2018 10:30	Mg		9079	ug/L	24.11	EPA200.8
7/24/2018 11:08	Mn		24.62	ug/L	0.254	EPA200.8
7/31/2018 11:05	Mn		18.14	ug/L	0.254	EPA200.8
8/7/2018 10:10	Mn		22.68	ug/L	0.254	EPA200.8
8/14/2018 9:00	Mn		16.06	ug/L	0.254	EPA200.8
8/21/2018 10:30	Mn		76.4	ug/L	0.254	EPA200.8
7/24/2018 11:08	Mo		1.717	ug/L	0.238	EPA200.8
7/31/2018 11:05	Mo		1.742	ug/L	0.238	EPA200.8
8/7/2018 10:10	Mo		1.79	ug/L	0.238	EPA200.8
8/14/2018 9:00	Mo		1.222	ug/L	0.238	EPA200.8
8/21/2018 10:30	Mo		1.537	ug/L	0.238	EPA200.8
7/24/2018 11:08	Na		81780	ug/L	43.67	EPA200.8
7/31/2018 11:05	Na		83970	ug/L	43.67	EPA200.8
8/7/2018 10:10	Na		62720	ug/L	43.67	EPA200.8
8/14/2018 9:00	Na		83550	ug/L	43.67	EPA200.8
8/21/2018 10:30	Na		37260	ug/L	43.67	EPA200.8
7/24/2018 11:08	NH3	<	0.01	mg/L	0.01	EPA350.1
7/31/2018 11:05	NH3	<	0.01	mg/L	0.01	EPA350.1
8/7/2018 10:10	NH3	<	0.01	mg/L	0.01	EPA350.1
8/14/2018 9:00	NH3	<	0.01	mg/L	0.01	EPA350.1
8/21/2018 10:30	NH3	j	0.016	mg/L	0.01	EPA350.1
7/24/2018 11:08	Ni	j	2.42	ug/L	0.208	EPA200.8
7/31/2018 11:05	Ni	j	2.903	ug/L	0.208	EPA200.8
8/7/2018 10:10	Ni	j	2.288	ug/L	0.208	EPA200.8
8/14/2018 9:00	Ni	j	3.886	ug/L	0.208	EPA200.8
8/21/2018 10:30	Ni	j	3.855	ug/L	0.208	EPA200.8
7/24/2018 11:08	NO3-NO2		0.23	mg/L	0.009	EPA353.2
7/31/2018 11:05	NO3-NO2		0.196	mg/L	0.009	EPA353.2
8/7/2018 10:10	NO3-NO2		0.987	mg/L	0.009	EPA353.2
8/14/2018 9:00	NO3-NO2		0.275	mg/L	0.009	EPA353.2

Chippewa Creek, Bramblewood Branch River Mile 0.10						
Sample Date	Parameter	Code	Result	Units	MDL	Method
8/21/2018 10:30	NO3-NO2		0.62	mg/L	0.009	EPA353.2
7/24/2018 11:08	Pb	<	0.168	ug/L	0.168	EPA200.8
7/31/2018 11:05	Pb	<	0.168	ug/L	0.168	EPA200.8
8/7/2018 10:10	Pb	j	0.328	ug/L	0.168	EPA200.8
8/14/2018 9:00	Pb	<	0.168	ug/L	0.168	EPA200.8
8/21/2018 10:30	Pb		2.11	ug/L	0.168	EPA200.8
7/24/2018 11:08	pH		8.2	S.U.		
7/31/2018 11:05	pH		8.2	S.U.		
8/7/2018 10:10	pH		8	S.U.		
8/14/2018 9:00	pH		8.1	S.U.		
8/21/2018 10:30	pH		7.7	S.U.		
7/24/2018 11:08	Sb	<	0.794	ug/L	0.794	EPA200.8
7/31/2018 11:05	Sb	<	0.794	ug/L	0.794	EPA200.8
8/7/2018 10:10	Sb	<	0.794	ug/L	0.794	EPA200.8
8/14/2018 9:00	Sb	<	0.794	ug/L	0.794	EPA200.8
8/21/2018 10:30	Sb	<	0.794	ug/L	0.794	EPA200.8
7/24/2018 11:08	Se	<	1.244	ug/L	1.244	EPA200.8
7/31/2018 11:05	Se	<	1.244	ug/L	1.244	EPA200.8
8/7/2018 10:10	Se	<	1.244	ug/L	1.244	EPA200.8
8/14/2018 9:00	Se	<	1.244	ug/L	1.244	EPA200.8
8/21/2018 10:30	Se	<	1.244	ug/L	1.244	EPA200.8
7/24/2018 11:08	Sn	<	1.336	ug/L	1.336	EPA200.8
7/31/2018 11:05	Sn	<	1.336	ug/L	1.336	EPA200.8
8/7/2018 10:10	Sn	<	1.336	ug/L	1.336	EPA200.8
8/14/2018 9:00	Sn	<	1.336	ug/L	1.336	EPA200.8
8/21/2018 10:30	Sn	<	1.336	ug/L	1.336	EPA200.8
7/24/2018 11:08	Sr		540.218	ug/L	0.132	EPA200.8
7/31/2018 11:05	Sr		597.104	ug/L	0.132	EPA200.8
8/7/2018 10:10	Sr		260.676	ug/L	0.132	EPA200.8
8/14/2018 9:00	Sr		598.199	ug/L	0.132	EPA200.8
8/21/2018 10:30	Sr		126.124	ug/L	0.132	EPA200.8
7/24/2018 11:08	TDS		1140	mg/L	1	SM2540 C
7/31/2018 11:05	TDS		1158	mg/L	1	SM2540 C
8/7/2018 10:10	TDS		610	mg/L	1	SM2540 C
8/14/2018 9:00	TDS		1212	mg/L	1	SM2540 C
8/21/2018 10:30	TDS		248	mg/L	1	SM2540 C
7/24/2018 11:08	Ti	j	1.45	ug/L	0.474	EPA200.8
7/31/2018 11:05	Ti	j	1.676	ug/L	0.474	EPA200.8

Chippewa Creek, Bramblewood Branch River Mile 0.10 Sample Date	Parameter	Code	Result	Units	MDL	Method
8/7/2018 10:10	Ti		3.72	ug/L	0.474	EPA200.8
8/14/2018 9:00	Ti	j	1.648	ug/L	0.474	EPA200.8
8/21/2018 10:30	Ti		13.25	ug/L	0.474	EPA200.8
7/24/2018 11:08	TKN	j	0.363	mg/L	0.179	EPA351.2
8/7/2018 10:10	TKN	j	0.425	mg/L	0.179	EPA351.2
8/14/2018 9:00	TKN	j	0.214	mg/L	0.179	EPA351.2
8/21/2018 10:30	TKN		0.995	mg/L	0.179	EPA351.2
7/24/2018 11:08	Tl	<	0.196	ug/L	0.196	EPA200.8
7/31/2018 11:05	Tl	j	0.319	ug/L	0.196	EPA200.8
8/7/2018 10:10	Tl	<	0.196	ug/L	0.196	EPA200.8
8/14/2018 9:00	Tl	<	0.196	ug/L	0.196	EPA200.8
8/21/2018 10:30	Tl	<	0.196	ug/L	0.196	EPA200.8
7/24/2018 11:08	TMET	<	10	ug/L	10	EPA200.8
7/31/2018 11:05	TMET	<	10	ug/L	10	EPA200.8
8/7/2018 10:10	TMET	<	10	ug/L	10	EPA200.8
8/14/2018 9:00	TMET	<	10	ug/L	10	EPA200.8
8/21/2018 10:30	TMET		25.4	ug/L	10	EPA200.8
7/24/2018 11:08	Total-P	j	0.01	mg/L	0.01	EPA365.1
7/31/2018 11:05	Total-P	j	0.01	mg/L	0.01	EPA365.1
8/7/2018 10:10	Total-P		0.04	mg/L	0.01	EPA365.1
8/14/2018 9:00	Total-P	j	0.013	mg/L	0.01	EPA365.1
8/21/2018 10:30	Total-P		0.107	mg/L	0.01	EPA365.1
7/24/2018 11:08	TS		1186	mg/L	1	SM2540 B
7/31/2018 11:05	TS		1268	mg/L	1	SM2540 B
8/7/2018 10:10	TS		644	mg/L	1	SM2540 B
8/14/2018 9:00	TS		1450	mg/L	1	SM2540 B
8/21/2018 10:30	TS		380	mg/L	1	SM2540 B
7/24/2018 11:08	TSS	j	0.8	mg/L	0.5	SM2540 D
7/31/2018 11:05	TSS	j	0.5	mg/L	0.5	SM2540 D
8/7/2018 10:10	TSS		10.8	mg/L	0.5	SM2540 D
8/14/2018 9:00	TSS		1.6	mg/L	0.5	SM2540 D
8/21/2018 10:30	TSS		55	mg/L	0.5	SM2540 D
7/24/2018 11:08	Turbidity		1.3	NTU		EPA180.1
7/31/2018 11:05	Turbidity		0.8	NTU		EPA180.1
8/7/2018 10:10	Turbidity		10.3	NTU		EPA180.1
8/14/2018 9:00	Turbidity		1.5	NTU		EPA180.1
8/21/2018 10:30	Turbidity		76	NTU		EPA180.1
7/24/2018 11:08	V	<	4.138	ug/L	4.138	EPA200.8

Chippewa Creek, Bramblewood Branch River Mile 0.10						
Sample Date	Parameter	Code	Result	Units	MDL	Method
7/31/2018 11:05	V	<	4.138	ug/L	4.138	EPA200.8
8/7/2018 10:10	V	<	4.138	ug/L	4.138	EPA200.8
8/14/2018 9:00	V	<	4.138	ug/L	4.138	EPA200.8
8/21/2018 10:30	V	<	4.138	ug/L	4.138	EPA200.8
7/24/2018 11:08	Zn	j	1.146	ug/L	0.626	EPA200.8
7/31/2018 11:05	Zn	j	1.322	ug/L	0.626	EPA200.8
8/7/2018 10:10	Zn	j	2.132	ug/L	0.626	EPA200.8
8/14/2018 9:00	Zn	j	1.285	ug/L	0.626	EPA200.8
8/21/2018 10:30	Zn		11.75	ug/L	0.626	EPA200.8

Chippewa Creek River Mile 0.60 Sample Date	Parameter	Code	Result	Units	MDL	Method
7/24/2018 11:55	*CaCO3		242	mg/LCaCO3	1	EPA200.8
7/31/2018 9:50	*CaCO3		272	mg/LCaCO3	1	EPA200.8
8/7/2018 9:35	*CaCO3		147	mg/LCaCO3	1	EPA200.8
8/14/2018 9:35	*CaCO3		303	mg/LCaCO3	1	EPA200.8
8/21/2018 10:00	*CaCO3		146	mg/LCaCO3	1	EPA200.8
7/24/2018 11:55	Ag	<	0.254	ug/L	0.254	EPA200.8
7/31/2018 9:50	Ag	<	0.254	ug/L	0.254	EPA200.8
8/7/2018 9:35	Ag	<	0.254	ug/L	0.254	EPA200.8
8/14/2018 9:35	Ag	<	0.254	ug/L	0.254	EPA200.8
8/21/2018 10:00	Ag	<	0.254	ug/L	0.254	EPA200.8
7/24/2018 11:55	Al		680.4	ug/L	5	EPA200.8
7/31/2018 9:50	Al		22	ug/L	5	EPA200.8
8/7/2018 9:35	Al		717.2	ug/L	5	EPA200.8
8/14/2018 9:35	Al		168.9	ug/L	5	EPA200.8
8/21/2018 10:00	Al		3730	ug/L	5	EPA200.8
7/24/2018 11:55	Alkalinity		138.9	mg/LCaCO3	4.6	EPA310.2
7/31/2018 9:50	Alkalinity		154.8	mg/LCaCO3	4.6	EPA310.2
8/7/2018 9:35	Alkalinity		87.6	mg/LCaCO3	4.6	EPA310.2
8/14/2018 9:35	Alkalinity		149.3	mg/LCaCO3	4.6	EPA310.2
8/21/2018 10:00	Alkalinity		79.7	mg/LCaCO3	4.6	EPA310.2
7/24/2018 11:55	As	j	1.484	ug/L	1.164	EPA200.8
7/31/2018 9:50	As	<	1.164	ug/L	1.164	EPA200.8
8/7/2018 9:35	As	j	1.86	ug/L	1.164	EPA200.8
8/14/2018 9:35	As	<	1.164	ug/L	1.164	EPA200.8
8/21/2018 10:00	As		4.507	ug/L	1.164	EPA200.8
7/24/2018 11:55	Ba		38.78	ug/L	0.268	EPA200.8
7/31/2018 9:50	Ba		40.465	ug/L	0.268	EPA200.8
8/7/2018 9:35	Ba		26.07	ug/L	0.268	EPA200.8
8/14/2018 9:35	Ba		43.3	ug/L	0.268	EPA200.8
8/21/2018 10:00	Ba		47.17	ug/L	0.268	EPA200.8
7/24/2018 11:55	Be	<	0.188	ug/L	0.188	EPA200.8
7/31/2018 9:50	Be	<	0.188	ug/L	0.188	EPA200.8
8/7/2018 9:35	Be	<	0.188	ug/L	0.188	EPA200.8
8/14/2018 9:35	Be	<	0.188	ug/L	0.188	EPA200.8
8/21/2018 10:00	Be	j	0.215	ug/L	0.188	EPA200.8
7/24/2018 11:55	BOD	<	2	mg/L	2	SM5210 B
7/31/2018 9:50	BOD	<	2	mg/L	2	SM5210 B
8/7/2018 9:35	BOD		2.2	mg/L	2	SM5210 B
8/14/2018 9:35	BOD	<	2	mg/L	2	SM5210 B

Chippewa Creek River Mile 0.60 Sample Date	Parameter	Code	Result	Units	MDL	Method
8/21/2018 10:00	BOD	~	4.6	mg/L	2	SM5210 B
7/24/2018 11:55	Ca		65080	ug/L	56.43	EPA200.8
7/31/2018 9:50	Ca		73140	ug/L	56.43	EPA200.8
8/7/2018 9:35	Ca		40520	ug/L	56.43	EPA200.8
8/14/2018 9:35	Ca		77030	ug/L	56.43	EPA200.8
8/21/2018 10:00	Ca		40710	ug/L	56.43	EPA200.8
7/24/2018 11:55	Cd	<	0.106	ug/L	0.106	EPA200.8
7/31/2018 9:50	Cd	<	0.106	ug/L	0.106	EPA200.8
8/7/2018 9:35	Cd	<	0.106	ug/L	0.106	EPA200.8
8/14/2018 9:35	Cd	<	0.106	ug/L	0.106	EPA200.8
8/21/2018 10:00	Cd	j	0.132	ug/L	0.106	EPA200.8
7/24/2018 11:55	Co		1.122	ug/L	0.072	EPA200.8
7/31/2018 9:50	Co	j	0.225	ug/L	0.072	EPA200.8
8/7/2018 9:35	Co	j	0.705	ug/L	0.072	EPA200.8
8/14/2018 9:35	Co	j	0.385	ug/L	0.072	EPA200.8
8/21/2018 10:00	Co		4.37	ug/L	0.072	EPA200.8
7/24/2018 11:55	COD	j	9.4	mg/L	8.8	EPA410.4
7/31/2018 9:50	COD	j	9.6	mg/L	8.8	EPA410.4
8/7/2018 9:35	COD		22.1	mg/L	8.8	EPA410.4
8/14/2018 9:35	COD	j	12	mg/L	8.8	EPA410.4
8/21/2018 10:00	COD		29.6	mg/L	8.8	EPA410.4
7/24/2018 11:55	Cr	j	1.576	ug/L	0.954	EPA200.8
7/31/2018 9:50	Cr	<	0.954	ug/L	0.954	EPA200.8
8/7/2018 9:35	Cr	j	1.283	ug/L	0.954	EPA200.8
8/14/2018 9:35	Cr	<	0.954	ug/L	0.954	EPA200.8
8/21/2018 10:00	Cr		6.13	ug/L	0.954	EPA200.8
7/24/2018 11:55	Cu		4.197	ug/L	0.22	EPA200.8
7/31/2018 9:50	Cu		2.2195	ug/L	0.22	EPA200.8
8/7/2018 9:35	Cu		5.037	ug/L	0.22	EPA200.8
8/14/2018 9:35	Cu		2.855	ug/L	0.22	EPA200.8
8/21/2018 10:00	Cu		12.61	ug/L	0.22	EPA200.8
7/24/2018 11:55	DRPhos	<	0.012	mg/L	0.012	EPA365.1
7/31/2018 9:50	DRPhos	<	0.012	mg/L	0.012	EPA365.1
8/7/2018 9:35	DRPhos	<	0.012	mg/L	0.012	EPA365.1
8/14/2018 9:35	DRPhos	<	0.012	mg/L	0.012	EPA365.1
8/21/2018 10:00	DRPhos	<	0.012	mg/L	0.012	EPA365.1
7/24/2018 11:55	E. coli		779	MPN/100 mL	1	SM9223 Colilert
7/31/2018 9:50	E. coli		658.5	MPN/100 mL	1	SM9223 Colilert

Chippewa Creek River Mile 0.60 Sample Date	Parameter	Code	Result	Units	MDL	Method
8/7/2018 9:35	E. coli		6720	MPN/100 mL	1	SM9223 Colilert
8/14/2018 9:35	E. coli		303	MPN/100 mL	1	SM9223 Colilert
8/21/2018 10:00	E. coli		6900	MPN/100 mL	1	SM9223 Colilert
7/24/2018 11:55	Fe		2084	ug/L	4.208	EPA200.8
7/31/2018 9:50	Fe		357.8	ug/L	4.208	EPA200.8
8/7/2018 9:35	Fe		1397	ug/L	4.208	EPA200.8
8/14/2018 9:35	Fe		690.8	ug/L	4.208	EPA200.8
8/21/2018 10:00	Fe		7911	ug/L	4.208	EPA200.8
7/24/2018 11:55	Field Cond		1010	umhos/cm		SM 2510A
7/31/2018 9:50	Field Cond		1037	umhos/cm		SM 2510A
8/7/2018 9:35	Field Cond		609	umhos/cm		SM 2510A
8/14/2018 9:35	Field Cond		1113	umhos/cm		SM 2510A
8/21/2018 10:00	Field Cond		594	umhos/cm		SM 2510A
7/24/2018 11:55	Field Spec Cond		1046	umhos/cm		SM 2510B
7/31/2018 9:50	Field Spec Cond		1115	umhos/cm		SM 2510B
8/7/2018 9:35	Field Spec Cond		641	umhos/cm		SM 2510B
8/14/2018 9:35	Field Spec Cond		1195	umhos/cm		SM 2510B
8/21/2018 10:00	Field Spec Cond		636	umhos/cm		SM 2510B
7/24/2018 11:55	Field DO		8.8	mg/L		SM 4500-0 G
7/31/2018 9:50	Field DO		7.9	mg/L		SM 4500-0 G
8/7/2018 9:35	Field DO		8	mg/L		SM 4500-0 G
8/14/2018 9:35	Field DO		8.2	mg/L		SM 4500-0 G
8/21/2018 10:00	Field DO		8.4	mg/L		SM 4500-0 G
7/24/2018 11:55	Field DO		100	%		
7/31/2018 9:50	Field DO		90	%		
8/7/2018 9:35	Field DO		93	%		
8/14/2018 9:35	Field DO		93	%		
8/21/2018 10:00	Field DO		95	%		
7/24/2018 11:55	Field Temp		23.2	C		EPA 170.1
7/31/2018 9:50	Field Temp		21.4	C		EPA 170.1
8/7/2018 9:35	Field Temp		22.4	C		EPA 170.1
8/14/2018 9:35	Field Temp		21.4	C		EPA 170.1
8/21/2018 10:00	Field Temp		21.6	C		EPA 170.1
7/24/2018 11:55	Hg	<	0.025	ug/L	0.025	EPA245.1
7/31/2018 9:50	Hg	<	0.025	ug/L	0.025	EPA245.1
8/7/2018 9:35	Hg	<	0.025	ug/L	0.025	EPA245.1
8/14/2018 9:35	Hg	<	0.025	ug/L	0.025	EPA245.1
8/21/2018 10:00	Hg	<	0.025	ug/L	0.025	EPA245.1

Chippewa Creek River Mile 0.60 Sample Date	Parameter	Code	Result	Units	MDL	Method
7/24/2018 11:55	K		3731	ug/L	107.6	EPA200.8
7/31/2018 9:50	K		3969	ug/L	107.6	EPA200.8
8/7/2018 9:35	K		3420	ug/L	107.6	EPA200.8
8/14/2018 9:35	K		4456	ug/L	107.6	EPA200.8
8/21/2018 10:00	K		3139	ug/L	107.6	EPA200.8
7/24/2018 11:55	Mg		19350	ug/L	24.11	EPA200.8
7/31/2018 9:50	Mg		21560	ug/L	24.11	EPA200.8
8/7/2018 9:35	Mg		11210	ug/L	24.11	EPA200.8
8/14/2018 9:35	Mg		26980	ug/L	24.11	EPA200.8
8/21/2018 10:00	Mg		10680	ug/L	24.11	EPA200.8
7/24/2018 11:55	Mn		64.56	ug/L	0.254	EPA200.8
7/31/2018 9:50	Mn		20.76	ug/L	0.254	EPA200.8
8/7/2018 9:35	Mn		42.39	ug/L	0.254	EPA200.8
8/14/2018 9:35	Mn		35.61	ug/L	0.254	EPA200.8
8/21/2018 10:00	Mn		340.1	ug/L	0.254	EPA200.8
7/24/2018 11:55	Mo		2.538	ug/L	0.238	EPA200.8
7/31/2018 9:50	Mo		2.891	ug/L	0.238	EPA200.8
8/7/2018 9:35	Mo		2.223	ug/L	0.238	EPA200.8
8/14/2018 9:35	Mo		3.035	ug/L	0.238	EPA200.8
8/21/2018 10:00	Mo		1.964	ug/L	0.238	EPA200.8
7/24/2018 11:55	Na		88580	ug/L	43.67	EPA200.8
7/31/2018 9:50	Na		97685	ug/L	43.67	EPA200.8
8/7/2018 9:35	Na		60930	ug/L	43.67	EPA200.8
8/14/2018 9:35	Na		104800	ug/L	43.67	EPA200.8
8/21/2018 10:00	Na		49760	ug/L	43.67	EPA200.8
7/24/2018 11:55	NH3		0.044	mg/L	0.01	EPA350.1
7/31/2018 9:50	NH3	<	0.01	mg/L	0.01	EPA350.1
8/7/2018 9:35	NH3	j	0.012	mg/L	0.01	EPA350.1
8/14/2018 9:35	NH3	<	0.01	mg/L	0.01	EPA350.1
8/21/2018 10:00	NH3		0.049	mg/L	0.01	EPA350.1
7/24/2018 11:55	Ni		4.386	ug/L	0.208	EPA200.8
7/31/2018 9:50	Ni	j	2.56	ug/L	0.208	EPA200.8
8/7/2018 9:35	Ni	j	3.453	ug/L	0.208	EPA200.8
8/14/2018 9:35	Ni		851.2	ug/L	0.208	EPA200.8
8/21/2018 10:00	Ni		12.03	ug/L	0.208	EPA200.8
7/24/2018 11:55	NO3-NO2		0.158	mg/L	0.009	EPA353.2
7/31/2018 9:50	NO3-NO2		0.024	mg/L	0.009	EPA353.2
8/7/2018 9:35	NO3-NO2		0.776	mg/L	0.009	EPA353.2
8/14/2018 9:35	NO3-NO2		0.124	mg/L	0.009	EPA353.2

Chippewa Creek River Mile 0.60 Sample Date	Parameter	Code	Result	Units	MDL	Method
8/21/2018 10:00	NO3-NO2		0.376	mg/L	0.009	EPA353.2
7/24/2018 11:55	Pb		1.488	ug/L	0.168	EPA200.8
7/31/2018 9:50	Pb	<	0.168	ug/L	0.168	EPA200.8
8/7/2018 9:35	Pb		1.073	ug/L	0.168	EPA200.8
8/14/2018 9:35	Pb	j	0.324	ug/L	0.168	EPA200.8
8/21/2018 10:00	Pb		8.325	ug/L	0.168	EPA200.8
7/24/2018 11:55	pH		8.1	S.U.		
7/31/2018 9:50	pH		7.7	S.U.		
8/7/2018 9:35	pH		7.9	S.U.		
8/14/2018 9:35	pH		7.8	S.U.		
8/21/2018 10:00	pH		7.8	S.U.		
7/24/2018 11:55	Sb	<	0.794	ug/L	0.794	EPA200.8
7/31/2018 9:50	Sb	<	0.794	ug/L	0.794	EPA200.8
8/7/2018 9:35	Sb	<	0.794	ug/L	0.794	EPA200.8
8/14/2018 9:35	Sb	<	0.794	ug/L	0.794	EPA200.8
8/21/2018 10:00	Sb	<	0.794	ug/L	0.794	EPA200.8
7/24/2018 11:55	Se	<	1.244	ug/L	1.244	EPA200.8
7/31/2018 9:50	Se	<	1.244	ug/L	1.244	EPA200.8
8/7/2018 9:35	Se	<	1.244	ug/L	1.244	EPA200.8
8/14/2018 9:35	Se	<	1.244	ug/L	1.244	EPA200.8
8/21/2018 10:00	Se	<	1.244	ug/L	1.244	EPA200.8
7/24/2018 11:55	Sn	<	1.336	ug/L	1.336	EPA200.8
7/31/2018 9:50	Sn	<	1.336	ug/L	1.336	EPA200.8
8/7/2018 9:35	Sn	<	1.336	ug/L	1.336	EPA200.8
8/14/2018 9:35	Sn	<	1.336	ug/L	1.336	EPA200.8
8/21/2018 10:00	Sn	<	1.336	ug/L	1.336	EPA200.8
7/24/2018 11:55	Sr		366.195	ug/L	0.132	EPA200.8
7/31/2018 9:50	Sr		380.526	ug/L	0.132	EPA200.8
8/7/2018 9:35	Sr		219.572	ug/L	0.132	EPA200.8
8/14/2018 9:35	Sr		427.414	ug/L	0.132	EPA200.8
8/21/2018 10:00	Sr		213.209	ug/L	0.132	EPA200.8
7/24/2018 11:55	TDS		666	mg/L	1	SM2540 C
7/31/2018 9:50	TDS		718	mg/L	1	SM2540 C
8/7/2018 9:35	TDS		400	mg/L	1	SM2540 C
8/14/2018 9:35	TDS		774	mg/L	1	SM2540 C
8/21/2018 10:00	TDS		320	mg/L	1	SM2540 C
7/24/2018 11:55	Ti		8.731	ug/L	0.474	EPA200.8
7/31/2018 9:50	Ti	j	1.172	ug/L	0.474	EPA200.8

Chippewa Creek River Mile 0.60 Sample Date	Parameter	Code	Result	Units	MDL	Method
8/7/2018 9:35	Ti		7.938	ug/L	0.474	EPA200.8
8/14/2018 9:35	Ti		3.054	ug/L	0.474	EPA200.8
8/21/2018 10:00	Ti		26.02	ug/L	0.474	EPA200.8
7/24/2018 11:55	TKN	j	0.381	mg/L	0.179	EPA351.2
8/7/2018 9:35	TKN	j	0.432	mg/L	0.179	EPA351.2
8/14/2018 9:35	TKN	j	0.457	mg/L	0.179	EPA351.2
8/21/2018 10:00	TKN		1.326	mg/L	0.179	EPA351.2
7/24/2018 11:55	Tl	<	0.196	ug/L	0.196	EPA200.8
7/31/2018 9:50	Tl	<	0.196	ug/L	0.196	EPA200.8
8/7/2018 9:35	Tl	<	0.196	ug/L	0.196	EPA200.8
8/14/2018 9:35	Tl	<	0.196	ug/L	0.196	EPA200.8
8/21/2018 10:00	Tl	<	0.196	ug/L	0.196	EPA200.8
7/24/2018 11:55	TMET		17.5	ug/L	10	EPA200.8
7/31/2018 9:50	TMET	<	10	ug/L	10	EPA200.8
8/7/2018 9:35	TMET		15.6	ug/L	10	EPA200.8
8/14/2018 9:35	TMET		857.2	ug/L	10	EPA200.8
8/21/2018 10:00	TMET		72	ug/L	10	EPA200.8
7/24/2018 11:55	Total-P	j	0.012	mg/L	0.01	EPA365.1
7/31/2018 9:50	Total-P	<	0.011	mg/L	0.01	EPA365.1
8/7/2018 9:35	Total-P		0.059	mg/L	0.01	EPA365.1
8/14/2018 9:35	Total-P	j	0.015	mg/L	0.01	EPA365.1
8/21/2018 10:00	Total-P		0.213	mg/L	0.01	EPA365.1
7/24/2018 11:55	TS		726	mg/L	1	SM2540 B
7/31/2018 9:50	TS		789	mg/L	1	SM2540 B
8/7/2018 9:35	TS		500	mg/L	1	SM2540 B
8/14/2018 9:35	TS		864	mg/L	1	SM2540 B
8/21/2018 10:00	TS		646	mg/L	1	SM2540 B
7/24/2018 11:55	TSS		6.2	mg/L	0.5	SM2540 D
7/31/2018 9:50	TSS		2.6	mg/L	0.5	SM2540 D
8/7/2018 9:35	TSS		34	mg/L	0.5	SM2540 D
8/14/2018 9:35	TSS		5.3	mg/L	0.5	SM2540 D
8/21/2018 10:00	TSS		325.7	mg/L	0.5	SM2540 D
7/24/2018 11:55	Turbidity		2.7	NTU		EPA180.1
7/31/2018 9:50	Turbidity		1.3	NTU		EPA180.1
8/7/2018 9:35	Turbidity		19.7	NTU		EPA180.1
8/14/2018 9:35	Turbidity		3.9	NTU		EPA180.1
8/21/2018 10:00	Turbidity		238	NTU		EPA180.1
7/24/2018 11:55	V	<	4.138	ug/L	4.138	EPA200.8

Chippewa Creek River Mile 0.60 Sample Date	Parameter	Code	Result	Units	MDL	Method
7/31/2018 9:50	V	<	4.138	ug/L	4.138	EPA200.8
8/7/2018 9:35	V	<	4.138	ug/L	4.138	EPA200.8
8/14/2018 9:35	V	<	4.138	ug/L	4.138	EPA200.8
8/21/2018 10:00	V	j	6.792	ug/L	4.138	EPA200.8
7/24/2018 11:55	Zn	j	7.387	ug/L	0.626	EPA200.8
8/7/2018 9:35	Zn	j	5.819	ug/L	0.626	EPA200.8
8/14/2018 9:35	Zn	j	3.16	ug/L	0.626	EPA200.8
8/21/2018 10:00	Zn		41.28	ug/L	0.626	EPA200.8