

Indiana Department of Environmental Management

Office of Water Quality-Watershed Assessment and Planning Branch

Surface Water Results Summary

SiteID: LMG-05-0002 **USGS Hydrologic Unit:** 040400010509
Stream Name: Burns Ditch **County:** Porter
Description: US 20 **Latitude:** 41 35 37.03501 **Longitude:** -87 13 14.49068
Drainage: 164.931 **Site Number:** 13T-001

SiteID: LMG-05-0002 **Sample Date:** 3/20/2014 **IDEM Sample #:** AB15640
Water Flow Type: Run **Water Appearance:** Murky **Water Depth:** **Algae?**
Water Flow (cf/sec): **Flow Estimated?** **Aquatic Life?** **Canopy Closed %:** 0-20%
Sampler Comments: Flow not taken. Construction on East Side blocked access.

Lab ID #:	<u>Result</u>	<u>Reporting Limit</u>	<u>Method</u>
% Sat	87.4 %		ASTM D888-09(C)
DO	11.83 mg/L		ASTM D888-09(C)
pH (Field)	7.68 SU		EPA 150.2
Specific Conductance (Field)	669 umho/cm		SM2510B
Temperature	2.24 °C		SM2550B(2)
Turbidity (Hach)	27.7 NTU		EPA 180.1
Air Temp	2 Lookup		Observation
Sky Conditions	4 Lookup		Observation
Wind Direction	0 Lookup		Observation
Wind Strength	1 Lookup		Observation

Lab ID #:	<u>Result</u>	<u>Reporting Limit</u>	<u>Method</u>
Alkalinity (as CaCO3)	120 mg/L	10	EPA 310.2
Chloride	94 mg/L	1.3	EPA 300.0
Hardness (as CaCO3)	220 mg/L	1	SM2340B
Solids, Suspended Total, (TSS)	19 mg/L	1	SM2540D
Solids, Total (TS)	420 mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	370 mg/L	10	SM2540C
Sulfate	44 mg/L	1.3	EPA 300.0
COD	20 mg/L	10	EPA 410.4
Nitrogen, Ammonia	0.17 mg/L	0.1	SM4500NH3-G
Nitrogen, Nitrate+Nitrite	1.4 mg/L	0.1	EPA 353.2
Phosphorus, Total	0.12 mg/L	0.05	EPA 365.1
TKN	1.1 mg/L	0.3	SM4500N(Org)-D
TOC	7.7 mg/L	1	SM5310C

Weather Code Definitions					
SC Sky Conditions		WD Wind Direction		WS Wind Strength	
				AT Air Temp	
1 - Clear	8 - Rain	0	North (0 Degrees)	0 - Calm	1 - < 32
2 - Scattered	9 - Snow	9	East (90 Degrees)	1 - Light	2 - 33-45
3 - Partly	10 - Sleet	18	South (180 Degrees)	2 - Mod./Light	3 - 46-60
4 - Cloudy		27	West (270 Degrees)	3 - Moderate	4 - 61-75
5 - Mist				4 - Mod./Strong	5 - 76-85
6 - Fog				5 - Strong	6 - > 86
7 - Shower				6 - Gale	

**Indiana Department of Environmental Management
Office of Water Quality-Watershed Assessment and Planning Branch
Surface Water Results Summary**

SiteID: LMG-05-0007 **USGS Hydrologic Unit:** 040400010508
Stream Name: Deep River **County:** Lake
Description: Liverpool Road **Latitude:** 41 33 46.16178 **Longitude:** -87 17 26.81088
Drainage: 150.171 **Site Number:** 13T-006

SiteID: LMG-05-0007 **Sample Date:** 3/20/2014 **IDEM Sample #:** AB15641
Water Flow Type: Glide **Water Appearance:** Brown **Water Depth:** **Algae?**
Water Flow (cf/sec): **Flow Estimated?** **Aquatic Life?** **Canopy Closed %:** 0-20%
Sampler Comments:

Lab ID #:	Result	Reporting Limit	Method
% Sat	79.9 %		ASTM D888-09(C)
DO	11.04 mg/L		ASTM D888-09(C)
pH (Field)	7.65 SU		EPA 150.2
Specific Conductance (Field)	622 umho/cm		SM2510B
Temperature	1.95 °C		SM2550B(2)
Turbidity (Hach)	36.1 NTU		EPA 180.1
Air Temp	1 Lookup		Observation
Flow	699.44 cf/sec		TM D5389-95/D3858
Sky Conditions	9 Lookup		Observation
Wind Direction	27 Lookup		Observation
Wind Strength	0 Lookup		Observation

Lab ID #:	Result	Reporting Limit	Method
Alkalinity (as CaCO3)	110 mg/L	10	EPA 310.2
Chloride	88 mg/L	1.3	EPA 300.0
Hardness (as CaCO3)	180 mg/L	1	SM2340B
Solids, Suspended Total, (TSS)	15 mg/L	1	SM2540D
Solids, Total (TS)	380 mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	340 mg/L	10	SM2540C
Sulfate	42 mg/L	1.3	EPA 300.0
COD	27 mg/L	10	EPA 410.4
Nitrogen, Ammonia	0.12 mg/L	0.1	SM4500NH3-G
Nitrogen, Nitrate+Nitrite	1.2 mg/L	0.1	EPA 353.2
Phosphorus, Total	0.14 mg/L	0.05	EPA 365.1
TKN	1.6 mg/L	0.3	SM4500N(Org)-D
TOC	7.6 mg/L	1	SM5310C

Weather Code Definitions				
SC	WD	WS	AT	
Sky Conditions	Wind Direction	Wind Strength	Air Temp	
1 - Clear	8 - Rain	0 - North (0 Degrees)	0 - Calm	1 - < 32
2 - Scattered	9 - Snow	9 - East (90 Degrees)	1 - Light	2 - 33-45
3 - Partly	10 - Sleet	18 - South (180 Degrees)	2 - Mod./Light	3 - 46-60
4 - Cloudy		27 - West (270 Degrees)	3 - Moderate	4 - 61-75
5 - Mist			4 - Mod./Strong	5 - 76-85
6 - Fog			5 - Strong	6 - > 86
7 - Shower			6 - Gale	

Indiana Department of Environmental Management

Office of Water Quality-Watershed Assessment and Planning Branch

Surface Water Results Summary

SiteID: LMG-05-0009 **USGS Hydrologic Unit:** 040400010506
Stream Name: Duck Creek **County:** Lake
Description: Front Street **Latitude:** 41 32 5.62143 **Longitude:** -87 15 14.33857
Drainage: 15.822 **Site Number:** 13T-009

SiteID: LMG-05-0009 **Sample Date:** 3/20/2014 **IDEM Sample #:** AB15642
Water Flow Type: Glide **Water Appearance:** Murky **Water Depth:** **Algae?**
Water Flow (cf/sec): **Flow Estimated?** **Aquatic Life?** **Canopy Closed %:** 0-20%
Sampler Comments: No Flow taken, high flooded conditions.

Lab ID #:	Result	Reporting Limit	Method
% Sat	78.5 %		ASTM D888-09(C)
DO	10.96 mg/L		ASTM D888-09(C)
pH (Field)	7.61 SU		EPA 150.2
Specific Conductance (Field)	386 umho/cm		SM2510B
Temperature	1.57 °C		SM2550B(2)
Turbidity (Hach)	81.6 NTU		EPA 180.1
Air Temp	1 Lookup		Observation
Sky Conditions	4 Lookup		Observation
Wind Direction	0 Lookup		Observation
Wind Strength	1 Lookup		Observation

Lab ID #:	Result	Reporting Limit	Method
Alkalinity (as CaCO3)	69 mg/L	10	EPA 310.2
Chloride	31 mg/L	1.3	EPA 300.0
Hardness (as CaCO3)	160 mg/L	1	SM2340B
Solids, Suspended Total, (TSS)	13 mg/L	1	SM2540D
Solids, Total (TS)	290 mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	270 mg/L	10	SM2540C
Sulfate	22 mg/L	1.3	EPA 300.0
COD	30 mg/L	10	EPA 410.4
Nitrogen, Ammonia	< 0.1 mg/L	0.1	SM4500NH3-G
Nitrogen, Nitrate+Nitrite	2.3 mg/L	0.1	EPA 353.2
Phosphorus, Total	0.23 mg/L	0.05	EPA 365.1
TKN	1.4 mg/L	0.3	SM4500N(Org)-D
TOC	8.8 mg/L	1	SM5310C

Weather Code Definitions					
SC Sky Conditions		WD Wind Direction		WS Wind Strength	AT Air Temp
1 - Clear	8 - Rain	0	North (0 Degrees)	0 - Calm	1 - < 32
2 - Scattered	9 - Snow	9	East (90 Degrees)	1 - Light	2 - 33-45
3 - Partly	10 - Sleet	18	South (180 Degrees)	2 - Mod./Light	3 - 46-60
4 - Cloudy		27	West (270 Degrees)	3 - Moderate	4 - 61-75
5 - Mist				4 - Mod./Strong	5 - 76-85
6 - Fog				5 - Strong	6 - > 86
7 - Shower				6 - Gale	

**Indiana Department of Environmental Management
Office of Water Quality-Watershed Assessment and Planning Branch
Surface Water Results Summary**

SiteID: LMG-05-0011 **USGS Hydrologic Unit:** 040400010507
Stream Name: Deep River **County:** Lake
Description: Arizona Street **Latitude:** 41 30 42.80903 **Longitude:** -87 17 9.53295
Drainage: 78.790 **Site Number:** 13T-012

SiteID: LMG-05-0011 **Sample Date:** 3/19/2014 **IDEM Sample #:** AB15643
Water Flow Type: Glide **Water Appearance:** Murky **Water Depth:** **Algae?**
Water Flow (cf/sec): **Flow Estimated?** **Aquatic Life?** **Canopy Closed %:** 0-20%
Sampler Comments:

Lab ID #:	Result	Reporting Limit	Method
% Sat	83.3 %		ASTM D888-09(C)
DO	10.92 mg/L		ASTM D888-09(C)
pH (Field)	7.58 SU		EPA 150.2
Specific Conductance (Field)	605 umho/cm		SM2510B
Temperature	3.91 °C		SM2550B(2)
Turbidity (Hach)	41.4 NTU		EPA 180.1
Air Temp	3 Lookup		Observation
Flow	295.68 cf/sec		TM D5389-95/D3858
Sky Conditions	4 Lookup		Observation
Wind Direction	0 Lookup		Observation
Wind Strength	0 Lookup		Observation

Lab ID #:	Result	Reporting Limit	Method
Alkalinity (as CaCO3)	110 mg/L	10	EPA 310.2
Chloride	80 mg/L	1.3	EPA 300.0
Hardness (as CaCO3)	200 mg/L	1	SM2340B
Solids, Suspended Total, (TSS)	31 mg/L	1	SM2540D
Solids, Total (TS)	360 mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	350 mg/L	10	SM2540C
Sulfate	40 mg/L	1.3	EPA 300.0
COD	27 mg/L	10	EPA 410.4
Nitrogen, Ammonia	0.13 mg/L	0.1	SM4500NH3-G
Nitrogen, Nitrate+Nitrite	1.4 mg/L	0.1	EPA 353.2
Phosphorus, Total	0.15 mg/L	0.05	EPA 365.1
TKN	0.56 mg/L	0.3	SM4500N(Org)-D
TOC	7.7 mg/L	1	SM5310C

Weather Code Definitions					
SC	WD	WS	AT		
Sky Conditions	Wind Direction	Wind Strength	Air Temp		
1 - Clear	8 - Rain	0 North (0 Degrees)	0 - Calm	1 - < 32	
2 - Scattered	9 - Snow	9 East (90 Degrees)	1 - Light	2 - 33-45	
3 - Partly	10 - Sleet	18 South (180 Degrees)	2 - Mod./Light	3 - 46-60	
4 - Cloudy		27 West (270 Degrees)	3 - Moderate	4 - 61-75	
5 - Mist			4 - Mod./Strong	5 - 76-85	
6 - Fog			5 - Strong	6 - > 86	
7 - Shower			6 - Gale		

**Indiana Department of Environmental Management
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Surface Water Results Summary**

SiteID: LMG-05-0012 **USGS Hydrologic Unit:** 040400010507
Stream Name: Deep River **County:** Lake
Description: Joliet Road **Latitude:** 41 28 34.10215 **Longitude:** -87 13 12.54660
Drainage: 66.707 **Site Number:** 13T-014

SiteID: LMG-05-0012 **Sample Date:** 3/19/2014 **IDEM Sample #:** AB15644
Water Flow Type Riffle **Water Appearance** Murky **Water Depth** **Algae?**
Water Flow (cf/sec): **Flow Estimated?** **Aquatic Life?** **Canopy Closed %** 0-20%
Sampler Comments: No Flow taken, high flow event

Lab ID #:	Result	Reporting Limit	Method
% Sat	84.4 %		ASTM D888-09(C)
DO	11.23 mg/L		ASTM D888-09(C)
pH (Field)	7.53 SU		EPA 150.2
Specific Conductance (Field)	520 umho/cm		SM2510B
Temperature	3.36 °C		SM2550B(2)
Turbidity (Hach)	140 NTU		EPA 180.1
Air Temp	2 Lookup		Observation
Sky Conditions	4 Lookup		Observation
Wind Direction	0 Lookup		Observation
Wind Strength	1 Lookup		Observation

Lab ID #:	Result	Reporting Limit	Method
Alkalinity (as CaCO3)	87 mg/L	10	EPA 310.2
Chloride	64 mg/L	1.3	EPA 300.0
Hardness (as CaCO3)	190 mg/L	1	SM2340B
Solids, Suspended Total, (TSS)	180 mg/L	1	SM2540D
Solids, Total (TS)	500 mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	300 mg/L	10	SM2540C
Sulfate	37 mg/L	1.3	EPA 300.0
COD	43 mg/L	10	EPA 410.4
Nitrogen, Ammonia	0.21 mg/L	0.1	SM4500NH3-G
Nitrogen, Nitrate+Nitrite	1.4 mg/L	0.1	EPA 353.2
Phosphorus, Total	0.34 mg/L	0.05	EPA 365.1
TKN	2.3 mg/L	0.3	SM4500N(Org)-D
TOC	8.9 mg/L	1	SM5310C

Weather Code Definitions			
SC Sky Conditions	WD Wind Direction	WS Wind Strength	AT Air Temp
1 - Clear	8 - Rain	0 - North (0 Degrees)	1 - < 32
2 - Scattered	9 - Snow	1 - East (90 Degrees)	2 - 33-45
3 - Partly	10 - Sleet	2 - Mod./Light	3 - 46-60
4 - Cloudy		3 - Moderate	4 - 61-75
5 - Mist	27 - West (270 Degrees)	4 - Mod./Strong	5 - 76-85
6 - Fog		5 - Strong	6 - > 86
7 - Shower		6 - Gale	

**Indiana Department of Environmental Management
Office of Water Quality-Watershed Assessment and Planning Branch
Surface Water Results Summary**

SiteID: LMG-05-0015 **USGS Hydrologic Unit:** 040400010502
Stream Name: Deep River **County:** Lake
Description: Clay Street **Latitude:** 41 26 49.37521 **Longitude:** -87 16 39.42753
Drainage: 44.481 **Site Number:** 13T-018

SiteID: LMG-05-0015 **Sample Date:** 3/19/2014 **IDEM Sample #:** AB15645
Water Flow Type: Glide **Water Appearance:** Murky **Water Depth:** **Algae?**
Water Flow (cf/sec): **Flow Estimated?** **Aquatic Life?** **Canopy Closed %:** 0-20%
Sampler Comments: No Flow taken, high flow event.

Lab ID #:	Result	Reporting Limit	Method
% Sat	79.6 %		ASTM D888-09(C)
DO	10.59 mg/L		ASTM D888-09(C)
pH (Field)	7.43 SU		EPA 150.2
Specific Conductance (Field)	614 umho/cm		SM2510B
Temperature	3.32 °C		SM2550B(2)
Turbidity (Hach)	227 NTU		EPA 180.1
Air Temp	2 Lookup		Observation
Sky Conditions	4 Lookup		Observation
Wind Direction	0 Lookup		Observation
Wind Strength	1 Lookup		Observation

Lab ID #:	Result	Reporting Limit	Method
Alkalinity (as CaCO3)	57 mg/L	10	EPA 310.2
Chloride	110 mg/L	1.3	EPA 300.0
Hardness (as CaCO3)	170 mg/L	1	SM2340B
Solids, Suspended Total, (TSS)	170 mg/L	1	SM2540D
Solids, Total (TS)	560 mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	370 mg/L	10	SM2540C
Sulfate	36 mg/L	1.3	EPA 300.0
COD	46 mg/L	10	EPA 410.4
Nitrogen, Ammonia	0.32 mg/L	0.1	SM4500NH3-G
Nitrogen, Nitrate+Nitrite	1.5 mg/L	0.1	EPA 353.2
Phosphorus, Total	0.39 mg/L	0.05	EPA 365.1
TKN	2.3 mg/L	0.3	SM4500N(Org)-D
TOC	9 mg/L	1	SM5310C

Weather Code Definitions					
SC	WD	WS	AT		
Sky Conditions	Wind Direction	Wind Strength	Air Temp		
1 - Clear	8 - Rain	0	North (0 Degrees)	0 - Calm	1 - < 32
2 - Scattered	9 - Snow	9	East (90 Degrees)	1 - Light	2 - 33-45
3 - Partly	10 - Sleet	18	South (180 Degrees)	2 - Mod./Light	3 - 46-60
4 - Cloudy		27	West (270 Degrees)	3 - Moderate	4 - 61-75
5 - Mist				4 - Mod./Strong	5 - 76-85
6 - Fog				5 - Strong	6 - > 86
7 - Shower				6 - Gale	

Indiana Department of Environmental Management

Office of Water Quality-Watershed Assessment and Planning Branch

Surface Water Results Summary

SiteID: LMG-05-0018 **USGS Hydrologic Unit:** 040400010502
Stream Name: Main Beaver Dam Ditch **County:** Lake
Description: Grant Street **Latitude:** 41 26 7.99158 **Longitude:** -87 21 17.01167
Drainage: 19.073 **Site Number:** 13T-023

SiteID: LMG-05-0018 **Sample Date:** 3/19/2014 **IDEM Sample #:** AB15646
Water Flow Type Run **Water Appearance** Murky **Water Depth** **Algae?**
Water Flow (cf/sec): **Flow Estimated?** **Aquatic Life?** **Canopy Closed %** 0-20%
Sampler Comments: No Flow, dangerous conditions.

Lab ID #:	<u>Result</u>	<u>Reporting Limit</u>	<u>Method</u>
% Sat	77.4 %		ASTM D888-09(C)
DO	10.31 mg/L		ASTM D888-09(C)
pH (Field)	7.27 SU		EPA 150.2
Specific Conductance (Field)	594 umho/cm		SM2510B
Temperature	3.27 °C		SM2550B(2)
Turbidity (Hach)	44.9 NTU		EPA 180.1
Air Temp	2 Lookup		Observation
Sky Conditions	4 Lookup		Observation
Wind Direction	0 Lookup		Observation
Wind Strength	1 Lookup		Observation

Lab ID #:	<u>Result</u>	<u>Reporting Limit</u>	<u>Method</u>
Alkalinity (as CaCO3)	78 mg/L	10	EPA 310.2
Chloride	88 mg/L	1.3	EPA 300.0
Hardness (as CaCO3)	170 mg/L	1	SM2340B
Solids, Suspended Total, (TSS)	29 mg/L	1	SM2540D
Solids, Total (TS)	390 mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	340 mg/L	10	SM2540C
Sulfate	36 mg/L	1.3	EPA 300.0
COD	35 mg/L	10	EPA 410.4
Nitrogen, Ammonia	0.17 mg/L	0.1	SM4500NH3-G
Nitrogen, Nitrate+Nitrite	2 mg/L	0.1	EPA 353.2
Phosphorus, Total	0.21 mg/L	0.05	EPA 365.1
TKN	1.8 mg/L	0.3	SM4500N(Org)-D
TOC	8.7 mg/L	1	SM5310C

Weather Code Definitions				
SC	WD	WS	AT	
Sky Conditions	Wind Direction	Wind Strength	Air Temp	
1 - Clear	8 - Rain	0 North (0 Degrees)	1 - < 32	
2 - Scattered	9 - Snow	9 East (90 Degrees)	2 - 33-45	
3 - Partly	10 - Sleet	18 South (180 Degrees)	3 - 46-60	
4 - Cloudy		27 West (270 Degrees)	4 - 61-75	
5 - Mist			5 - 76-85	
6 - Fog			6 - > 86	
7 - Shower				

**Indiana Department of Environmental Management
Office of Water Quality-Watershed Assessment and Planning Branch
Surface Water Results Summary**

SiteID: LMG-05-0027 USGS Hydrologic Unit: 040400010503
 Stream Name: Turkey Creek County: Lake
 Description: SR 55 Latitude: 41 29 55.14927 Longitude: -87 21 53.14879
 Drainage: 21.179 Site Number: 13T-032

SiteID: LMG-05-0027 Sample Date: 3/19/2014 IDEM Sample #: AB15647
 Water Flow Type: Glide Water Appearance: Murky Water Depth: Algae?
 Water Flow (cf/sec): Flow Estimated? Aquatic Life? Canopy Closed %: 0-20%
 Sampler Comments:

Lab ID #:	Result	Reporting Limit	Method
% Sat	82.9 %		ASTM D888-09(C)
DO	11.21 mg/L		ASTM D888-09(C)
pH (Field)	7.34 SU		EPA 150.2
Specific Conductance (Field)	615 umho/cm		SM2510B
Temperature	2.7 °C		SM2550B(2)
Turbidity (Hach)	66.5 NTU		EPA 180.1
Air Temp	3 Lookup		Observation
Flow	146.5612 cf/sec		TM D5389-95/D3858
Sky Conditions	4 Lookup		Observation
Wind Direction	27 Lookup		Observation
Wind Strength	1 Lookup		Observation

Lab ID #:	Result	Reporting Limit	Method
Alkalinity (as CaCO3)	110 mg/L	10	EPA 310.2
Chloride	77 mg/L	1.3	EPA 300.0
Hardness (as CaCO3)	220 mg/L	1	SM2340B
Solids, Suspended Total, (TSS)	84 mg/L	1	SM2540D
Solids, Total (TS)	440 mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	350 mg/L	10	SM2540C
Sulfate	46 mg/L	1.3	EPA 300.0
COD	20 mg/L	10	EPA 410.4
Nitrogen, Ammonia	0.14 mg/L	0.1	SM4500NH3-G
Nitrogen, Nitrate+Nitrite	0.98 mg/L	0.01	EPA 353.2
Phosphorus, Total	0.18 mg/L	0.05	EPA 365.1
TKN	1.3 mg/L	0.3	SM4500N(Org)-D
TOC	6.7 mg/L	1	SM5310C

Weather Code Definitions					
SC	WD	WS	AT		
Sky Conditions	Wind Direction	Wind Strength	Air Temp		
1 - Clear	8 - Rain	0 - North (0 Degrees)	0 - Calm	1 - < 32	
2 - Scattered	9 - Snow	9 - East (90 Degrees)	1 - Light	2 - 33-45	
3 - Partly	10 - Sleet	18 - South (180 Degrees)	2 - Mod./Light	3 - 46-60	
4 - Cloudy		27 - West (270 Degrees)	3 - Moderate	4 - 61-75	
5 - Mist			4 - Mod./Strong	5 - 76-85	
6 - Fog			5 - Strong	6 - > 86	
7 - Shower			6 - Gale		

Indiana Department of Environmental Management

Office of Water Quality-Watershed Assessment and Planning Branch

Surface Water Results Summary

SiteID: LMG-05-0031 **USGS Hydrologic Unit:** 040400010505
Stream Name: Turkey Creek **County:** Lake
Description: Liverpool Road **Latitude:** 41 30 43.24502 **Longitude:** -87 18 24.97031
Drainage: 37.922 **Site Number:** 13T-036

SiteID: LMG-05-0031 **Sample Date:** 3/19/2014 **IDEM Sample #:** AB15648
Water Flow Type: Glide **Water Appearance:** Murky **Water Depth:** **Algae?**
Water Flow (cf/sec): **Flow Estimated?** **Aquatic Life?** **Canopy Closed %:** 0-20%
Sampler Comments:

Lab ID #:	Result	Reporting Limit	Method
% Sat	85 %		ASTM D888-09(C)
DO	11.24 mg/L		ASTM D888-09(C)
pH (Field)	7.63 SU		EPA 150.2
Specific Conductance (Field)	765 umho/cm		SM2510B
Temperature	3.23 °C		SM2550B(2)
Turbidity (Hach)	85.4 NTU		EPA 180.1
Air Temp	3 Lookup		Observation
Flow	254.43 cf/sec		TM D5389-95/D3858
Sky Conditions	4 Lookup		Observation
Wind Direction	27 Lookup		Observation
Wind Strength	1 Lookup		Observation

Lab ID #:	Result	Reporting Limit	Method
Alkalinity (as CaCO3)	100 mg/L	10	EPA 310.2
Chloride	130 mg/L	2.5	EPA 300.0
Hardness (as CaCO3)	210 mg/L	1	SM2340B
Solids, Suspended Total, (TSS)	81 mg/L	1	SM2540D
Solids, Total (TS)	520 mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	460 mg/L	10	SM2540C
Sulfate	44 mg/L	1.3	EPA 300.0
COD	26 mg/L	10	EPA 410.4
Nitrogen, Ammonia	0.12 mg/L	0.1	SM4500NH3-G
Nitrogen, Nitrate+Nitrite	0.72 mg/L	0.01	EPA 353.2
Phosphorus, Total	0.19 mg/L	0.05	EPA 365.1
TKN	1.3 mg/L	0.3	SM4500N(Org)-D
TOC	6.6 mg/L	1	SM5310C

Weather Code Definitions					
SC	WD	WS	AT		
Sky Conditions	Wind Direction	Wind Strength	Air Temp		
1 - Clear	8 - Rain	0 - North (0 Degrees)	0 - Calm	1 - < 32	
2 - Scattered	9 - Snow	9 - East (90 Degrees)	1 - Light	2 - 33-45	
3 - Partly	10 - Sleet	18 - South (180 Degrees)	2 - Mod./Light	3 - 46-60	
4 - Cloudy		27 - West (270 Degrees)	3 - Moderate	4 - 61-75	
5 - Mist			4 - Mod./Strong	5 - 76-85	
6 - Fog			5 - Strong	6 - > 86	
7 - Shower			6 - Gale		