

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

<b>SiteID:</b> WWL-08-0008	<b>USGS Hydrologic Unit:</b> 051202020804
<b>Stream Name:</b> White River	<b>County:</b> Knox
<b>Description:</b> Apraw Road	<b>Latitude:</b> 38 42 32.52
<b>Drainage:</b> 5061.386	<b>Longitude:</b> -87 15 22.39
	<b>Site Number:</b> 24T-004

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<b>SiteID:</b> WWL-08-0008	<b>Sample Date:</b> 8/27/2024	<b>IDEM Sample #:</b> AC41399			
<b>Water Flow Type</b>	Run	<b>Water Appearance</b>	Murky	<b>Water Depth</b>	
				<input type="checkbox"/> Algae?	
<b>Water Flow (cf/sec):</b>		<input type="checkbox"/> Flow Estimated?	<input type="checkbox"/> Aquatic Life?	<b>Canopy Closed %</b>	0-20%

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**Sample Comments:**

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<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	157.3	%	ASTM D888-09(C)
	DO	12.09	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		713	umho/cm	SM2510B
Temperature		29	°C	SM2550B(2)
Turbidity (Hach)		25.8	NTU	180.1
pH (Field)		8.29	SU	150.2
Air Temp		6	Lookup	Observation
Sky Conditions		1	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		1	Lookup	Observation

<b>Lab ID #:</b> 50381194011	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO <sub>3</sub> )	175	mg/L	10	SM2320B
Chloride	88.6	mg/L	2.5	300.0
Hardness (as CaCO <sub>3</sub> )	216	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	35	mg/L	5	SM2540D
Solids, Total (TS)	436	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	386	mg/L	10	SM2540C
Sulfate	83.7	mg/L	2.5	300.0
Calcium	49700	ug/L	1000	200.7
Magnesium	22400	ug/L	1000	200.7
COD	25.6	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.16	mg/L	0.1	353.2
Phosphorus, Total	.19	mg/L	0.05	365.1
TKN	1.4	mg/L	0.5	351.2
TOC	3.6	mg/L	1	SM5310C

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

<b>Lab ID #:</b> AC41399	<b><u>Result</u></b>	<b><u>Reporting Limit</u></b>	<b><u>Method</u></b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	4.1	MPN/100mL	1

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

**SiteID:** WWL-08-0008      **Sample Date:** 9/2/2024      **IDEML Sample #:** AC41417  
**Water Flow Type** Run      **Water Appearance** Clear      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
% Sat	132.1	%	ASTM D888-09(C)
DO	10.65	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	848	umho/cm	SM2510B
Temperature	26.2	°C	SM2550B(2)
Turbidity (Hach)	35.3	NTU	180.1
pH (Field)	8.23	SU	150.2
Air Temp	4	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	1	Lookup	Observation

<b>Lab ID #:</b> AC41417	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	7.4	MPN/100mL	1

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

**SiteID:** WWL-08-0008      **Sample Date:** 9/9/2024      **IDEML Sample #:** AC41435  
**Water Flow Type** Run      **Water Appearance** Clear      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
% Sat	147	%		ASTM D888-09(C)
DO	12.61	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	853	umho/cm		SM2510B
Temperature	22.9	°C		SM2550B(2)
Turbidity (Hach)	26.7	NTU		180.1
pH (Field)	8.37	SU		150.2
Air Temp	4	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation

<b>Lab ID #:</b> AC41435	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	2	MPN/100mL	1	SM9223B

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

**SiteID:** WWL-08-0008      **Sample Date:** 9/16/2024      **IDEML Sample #:** AC41453  
**Water Flow Type** Run      **Water Appearance** Clear      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
% Sat	165.1	%	ASTM D888-09(C)
DO	12.89	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	841	umho/cm	SM2510B
Temperature	28	°C	SM2550B(2)
Turbidity (Hach)	25.1	NTU	180.1
pH (Field)	8.36	SU	150.2
Air Temp	5	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	2	Lookup	Observation

<b>Lab ID #:</b> AC41453	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	< 1	MPN/100mL	1

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

**SiteID:** WWL-08-0008      **Sample Date:** 9/24/2024      **IDEML Sample #:** AC41471  
**Water Flow Type** Run      **Water Appearance** Clear      **Water Depth** \_\_\_\_\_  
 **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_       **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	109.6	%	ASTM D888-09(C)
	DO	9.34	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		593	umho/cm	SM2510B
Temperature		23.3	°C	SM2550B(2)
Turbidity (Hach)		28.6	NTU	180.1
pH (Field)		8.21	SU	150.2
Air Temp		5	Lookup	Observation
Sky Conditions		4	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		3	Lookup	Observation
<b>Lab ID #:</b> 50383292011	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	199	mg/L	10	SM2320B
Chloride	117	mg/L	2.5	300.0
Hardness (as CaCO3)	266	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	17.8	mg/L	5	SM2540D
Solids, Total (TS)	572	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	528	mg/L	10	SM2540C
Sulfate	126	mg/L	2.5	300.0
Calcium	62000	ug/L	1000	200.7
Magnesium	27100	ug/L	1000	200.7
COD	17.2	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.5	mg/L	0.1	353.2
Phosphorus, Total	.083	mg/L	0.05	365.1
TKN	1.2	mg/L	0.5	351.2
TOC	3.5	mg/L	1	SM5310C
<b>Lab ID #:</b> AC41471	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	488.4	MPN/100mL	1	SM9223B

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

**SiteID:** WWL-08-0008      **Sample Date:** 10/15/2024      **IDEML Sample #:** AC42020  
**Water Flow Type** Riffle      **Water Appearance** Clear      **Water Depth** \_\_\_\_\_  
 **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_       **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	118.7	%	ASTM D888-09(C)
	DO	11.62	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		798	umho/cm	SM2510B
Temperature		16.3	°C	SM2550B(2)
Turbidity (Hach)		23.6	NTU	180.1
pH (Field)		8.52	SU	150.2
Air Temp		3	Lookup	Observation
Sky Conditions		3	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		2	Lookup	Observation
<b>Lab ID #:</b> 50385159011	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	183	mg/L	10	SM2320B
Chloride	92.7	mg/L	2.5	300.0
Hardness (as CaCO3)	224	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	23.4	mg/L	7.1	SM2540D
Solids, Total (TS)	494	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	457	mg/L	10	SM2540C
Sulfate	81.8	mg/L	2.5	300.0
Calcium	52200	ug/L	1000	200.7
Magnesium	22800	ug/L	1000	200.7
COD	27.2	mg/L	10	410.4
Nitrogen, Ammonia	<.1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	<.1	mg/L	0.1	353.2
Phosphorus, Total	.13	mg/L	0.05	365.1
TKN	1.1	mg/L	0.5	351.2
TOC	3.5	mg/L	1	SM5310C
<b>Lab ID #:</b> AC42020	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	17.1	MPN/100mL	1	SM9223B

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

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

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

**SiteID:** WWL-08-0009      **USGS Hydrologic Unit:** 051202020804  
**Stream Name:** White River      **County:** Knox  
**Description:** Washington Road      **Latitude:** 38 40 47.82      **Longitude:** -87 16 24.23  
**Drainage:** 5068.863      **Site Number:** 24T-002

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**SiteID:** WWL-08-0009      **Sample Date:** 8/27/2024      **IDEM Sample #:** AC41397  
**Water Flow Type** Run      **Water Appearance** Murky      **Water Depth**       **Algae?**  
**Water Flow (cf/sec):**       **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:**

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<b>Lab ID #:</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
% Sat	126.7	%	ASTM D888-09(C)
DO	9.98	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	721	umho/cm	SM2510B
Temperature	27.6	°C	SM2550B(2)
Turbidity (Hach)	41.3	NTU	180.1
pH (Field)	7.97	SU	150.2
Air Temp	6	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	0	Lookup	Observation

<b>Lab ID #:</b> 50381194009	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	179	mg/L	10
Chloride	86.5	mg/L	2.5
Hardness (as CaCO3)	228	mg/L	10
Solids, Suspended Total, (TSS)	55.7	mg/L	7.7
Solids, Total (TS)	458	mg/L	10
Solids, Total Dissolved (TDS)	396	mg/L	10
Sulfate	86.3	mg/L	2.5
Calcium	53000	ug/L	1000
Magnesium	23200	ug/L	1000
COD	30.9	mg/L	10
Nitrogen, Ammonia	< .1	mg/L	0.1
Nitrogen, Nitrate+Nitrite	.12	mg/L	0.1
Phosphorus, Total	.13	mg/L	0.05
TKN	1.4	mg/L	0.5
TOC	3.3	mg/L	1

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

<b>Lab ID #:</b> AC41397	<b><u>Result</u></b>	<b><u>Reporting Limit</u></b>	<b><u>Method</u></b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	1	MPN/100mL	1

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

SiteID: WWL-08-0009

Sample Date: 9/2/2024

IDEML Sample #: AC41415

Water Flow Type Run

Water Appearance Brown

Water Depth

Algae?

Water Flow (cf/sec):

Flow Estimated?

Aquatic Life?

Canopy Closed % 0-20%

Sample Comments: \_\_\_\_\_

Lab ID #:	Result	Reporting Limit	Method
% Sat	113.3	%	ASTM D888-09(C)
DO	9.17	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	850	umho/cm	SM2510B
Temperature	26	°C	SM2550B(2)
Turbidity (Hach)	29.5	NTU	180.1
pH (Field)	8.08	SU	150.2
Air Temp	4	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	1	Lookup	Observation
Lab ID #: AC41415	Result	Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	10.8	MPN/100mL	1

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

**SiteID:** WWL-08-0009

Sample Date: 9/9/2024

**IDEM Sample #:** AC41433

### Water Flow Type Run

**Water Appearance** Murky

## Water Depth

Algae?

**Water Flow (cf/sec):**

Flow Estimates 10

□ Aesthetic Life □

### Canopy Closed % 0-20%

### Sample Comments:

Lab ID #:	Result	Reporting Limit	Method
% Sat	126.5	%	ASTM D888-09(C)
DO	11.13	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	913	umho/cm	SM2510B
Temperature	21.5	°C	SM2550B(2)
Turbidity (Hach)	22.1	NTU	180.1
pH (Field)	8.25	SU	150.2
Air Temp	4	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	0	Lookup	Observation

Lab ID #: AC41433	<u>Result</u>	<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	7.3	MPN/100mL	1

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

**SiteID:** WWL-08-0009

**Sample Date:** 9/16/2024

**IDEM Sample #:** AC41451

**Water Flow Type** Run

**Water Appearance** Murky

**Water Depth**

**Algae?**

**Water Flow (cf/sec):**

**Flow Estimated?**

**Aquatic Life?**

**Canopy Closed %** 0-20%

**Sample Comments:**

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<b>Lab ID #:</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
	% Sat	119.5	%
	DO	9.82	mg/L
Specific Conductance (Field)	857	umho/cm	SM2510B
Temperature	25.2	°C	SM2550B(2)
Turbidity (Hach)	20.9	NTU	180.1
pH (Field)	8.17	SU	150.2
Air Temp	5	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	0	Lookup	Observation
<b>Lab ID #:</b> AC41451	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	14.2	MPN/100mL	1

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

**SiteID:** WWL-08-0009      **Sample Date:** 9/24/2024      **IDEML Sample #:** AC41469  
**Water Flow Type** Run      **Water Appearance** Murky      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**  **Aquatic Life?** **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	88.1	%	ASTM D888-09(C)
	DO	7.52	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		941	umho/cm	SM2510B
Temperature		23	°C	SM2550B(2)
Turbidity (Hach)		42.1	NTU	180.1
pH (Field)		7.89	SU	150.2
Air Temp		5	Lookup	Observation
Sky Conditions		4	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		3	Lookup	Observation
<b>Lab ID #:</b> 50383292009	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	202	mg/L	10	SM2320B
Chloride	112	mg/L	2.5	300.0
Hardness (as CaCO3)	271	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	47.6	mg/L	5	SM2540D
Solids, Total (TS)	598	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	510	mg/L	10	SM2540C
Sulfate	131	mg/L	2.5	300.0
Calcium	63200	ug/L	1000	200.7
Magnesium	27600	ug/L	1000	200.7
COD	22.8	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.47	mg/L	0.1	353.2
Phosphorus, Total	.13	mg/L	0.05	365.1
TKN	1.2	mg/L	0.5	351.2
TOC	3.4	mg/L	1	SM5310C
<b>Lab ID #:</b> AC41469	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	1732.9	MPN/100mL	1	SM9223B

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

**SiteID:** WWL-08-0009      **Sample Date:** 10/15/2024      **IDEML Sample #:** AC42018  
**Water Flow Type** Run      **Water Appearance** Clear      **Water Depth** \_\_\_\_\_  
 **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_       **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	108.1	%	ASTM D888-09(C)
	DO	10.72	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		795	umho/cm	SM2510B
Temperature		15.7	°C	SM2550B(2)
Turbidity (Hach)		21.4	NTU	180.1
pH (Field)		8.43	SU	150.2
Air Temp		3	Lookup	Observation
Sky Conditions		4	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		2	Lookup	Observation
<b>Lab ID #:</b> 50385159009	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	183	mg/L	10	SM2320B
Chloride	92.8	mg/L	2.5	300.0
Hardness (as CaCO3)	226	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	24	mg/L	10	SM2540D
Solids, Total (TS)	484	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	460	mg/L	10	SM2540C
Sulfate	83.9	mg/L	2.5	300.0
Calcium	52200	ug/L	1000	200.7
Magnesium	23200	ug/L	1000	200.7
COD	< 10	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	< .1	mg/L	0.1	353.2
Phosphorus, Total	.15	mg/L	0.05	365.1
TKN	1.2	mg/L	0.5	351.2
TOC	3.5	mg/L	1	SM5310C
<b>Lab ID #:</b> AC42018	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	34.5	MPN/100mL	1	SM9223B

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

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

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

**SiteID:** WWL-08-0010      **USGS Hydrologic Unit:** 051202020803  
**Stream Name:** White River      **County:** Daviess  
**Description:** CR 650 North      **Latitude:** 38 44 52.75      **Longitude:** -87 14 15.00  
**Drainage:** 5026.501      **Site Number:** 24T-005

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**SiteID:** WWL-08-0010      **Sample Date:** 8/27/2024      **IDEM Sample #:** AC41410  
**Water Flow Type** Eddy      **Water Appearance** Murky      **Water Depth**       **Algae?**  
**Water Flow (cf/sec):**       **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:**

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<b>Lab ID #:</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
% Sat	106.1	%	ASTM D888-09(C)
DO	8.47	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	732	umho/cm	SM2510B
Temperature	26.8	°C	SM2550B(2)
Turbidity (Hach)	44	NTU	180.1
pH (Field)	7.92	SU	150.2
Air Temp	6	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	0	Lookup	Observation

<b>Lab ID #:</b> 50381194007	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO <sub>3</sub> )	173	mg/L	10
Chloride	86.6	mg/L	2.5
Hardness (as CaCO <sub>3</sub> )	231	mg/L	10
Solids, Suspended Total, (TSS)	50	mg/L	5
Solids, Total (TS)	461	mg/L	10
Solids, Total Dissolved (TDS)	404	mg/L	10
Sulfate	77.4	mg/L	2.5
Calcium	54600	ug/L	1000
Magnesium	23000	ug/L	1000
COD	25.4	mg/L	10
Nitrogen, Ammonia	< .1	mg/L	0.1
Nitrogen, Nitrate+Nitrite	.37	mg/L	0.1
Phosphorus, Total	.15	mg/L	0.05
TKN	1.3	mg/L	0.5
TOC	3.2	mg/L	1

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

<b>Lab ID #:</b> AC41410	<b><u>Result</u></b>	<b><u>Reporting Limit</u></b>	<b><u>Method</u></b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	3	MPN/100mL	1

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

**SiteID:** WWL-08-0010

Sample Date: 9/2/2024

**IDE** Sample #: AC41428

### Water Flow Type Run

**Water Appearance** Murky

## Water Depth

□ Algae?

**Water Flow (cf/sec):**

#### Flow Estimated to Aromatic Life

### Canopy Closed % 0-20%

### Sample Comments:

Sample Comments:

<u>Lab ID #:</u> AC41428	<u>Result</u>	<u>Reporting Limit</u>	<u>Method</u>
E. coli	10.9	MPN/100mL	1
<u>Lab ID #:</u> AC41428b	<u>Result</u>	<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)	21430	MPN/100mL	100

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

**SiteID:** WWL-08-0010      **Sample Date:** 9/10/2024      **IDEML Sample #:** AC41446  
**Water Flow Type** Run      **Water Appearance** Murky      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
	% Sat	105.5	%
	DO	9.53	mg/L
Specific Conductance (Field)	810	umho/cm	SM2510B
Temperature	20.2	°C	SM2550B(2)
Turbidity (Hach)	50.3	NTU	180.1
pH (Field)	8.08	SU	150.2
Air Temp	4	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	0	Lookup	Observation

<b>Lab ID #:</b> AC41446	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
E. coli	2	MPN/100mL	1

  

<b>Lab ID #:</b> AC41446b	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	27230	MPN/100mL	100

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

**SiteID:** WWL-08-0010

**Sample Date:** 9/17/2024

**IDEM Sample #:** AC41464

**Water Flow Type** Eddy

**Water Appearance** Murky

**Water Depth**

**Algae?**

**Water Flow (cf/sec):**

**Flow Estimated?**  **Aquatic Life?**

**Canopy Closed %** 0-20%

**Sample Comments:**

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<b>Lab ID #:</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
	% Sat	100.6	%
	DO	8.52	mg/L
Specific Conductance (Field)	910	umho/cm	SM2510B
Temperature	23.6	°C	SM2550B(2)
Turbidity (Hach)	43	NTU	180.1
pH (Field)	8.06	SU	150.2
Air Temp	4	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	0	Lookup	Observation
<b>Lab ID #:</b> AC41464	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	14.5	MPN/100mL	1

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

**SiteID:** WWL-08-0010      **Sample Date:** 9/24/2024      **IDEML Sample #:** AC41482  
**Water Flow Type** Run      **Water Appearance** Murky      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**  **Aquatic Life?** **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	85	%	ASTM D888-09(C)
	DO	7.28	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	957	umho/cm		SM2510B
Temperature	22.9	°C		SM2550B(2)
Turbidity (Hach)	43.7	NTU		180.1
pH (Field)	7.96	SU		150.2
Air Temp	4	Lookup		Observation
Sky Conditions	4	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	3	Lookup		Observation
<b>Lab ID #:</b> 50383292007	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	201	mg/L	10	SM2320B
Chloride	123	mg/L	2.5	300.0
Hardness (as CaCO3)	279	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	46.6	mg/L	5	SM2540D
Solids, Total (TS)	605	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	511	mg/L	10	SM2540C
Sulfate	123	mg/L	2.5	300.0
Calcium	66700	ug/L	1000	200.7
Magnesium	27400	ug/L	1000	200.7
COD	22.2	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.53	mg/L	0.1	353.2
Phosphorus, Total	.26	mg/L	0.05	365.1
TKN	1.2	mg/L	0.5	351.2
TOC	< 4	mg/L	4	SM5310C
<b>Lab ID #:</b> AC41482	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	161.6	MPN/100mL	1	SM9223B

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

**SiteID:** WWL-08-0010      **Sample Date:** 10/15/2024      **IDEML Sample #:** AC42031  
**Water Flow Type** Run      **Water Appearance** Brown      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**  **Aquatic Life?** **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	99.7	%	ASTM D888-09(C)
	DO	9.91	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		801	umho/cm	SM2510B
Temperature		15.6	°C	SM2550B(2)
Turbidity (Hach)		30.1	NTU	180.1
pH (Field)		8.18	SU	150.2
Air Temp		2	Lookup	Observation
Sky Conditions		4	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		2	Lookup	Observation

  

<b>Lab ID #:</b> 50385159007	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	183	mg/L	10	SM2320B
Chloride	93.1	mg/L	2.5	300.0
Hardness (as CaCO3)	230	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	28.5	mg/L	12.5	SM2540D
Solids, Total (TS)	493	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	448	mg/L	10	SM2540C
Sulfate	82.7	mg/L	2.5	300.0
Calcium	53900	ug/L	1000	200.7
Magnesium	23100	ug/L	1000	200.7
COD	28.5	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	< .1	mg/L	0.1	353.2
Phosphorus, Total	.13	mg/L	0.05	365.1
TKN	1.3	mg/L	0.5	351.2
TOC	3.2	mg/L	1	SM5310C

  

<b>Lab ID #:</b> AC42031	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	36.4	MPN/100mL	1	SM9223B

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

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

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

**SiteID:** WWL-08-0011      **USGS Hydrologic Unit:** 051202020802  
**Stream Name:** Indian Creek      **County:** Knox  
**Description:** River Road      **Latitude:** 38 44 22.77      **Longitude:** -87 15 49.72  
**Drainage:** 30.469      **Site Number:** 24T-006

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**SiteID:** WWL-08-0011      **Sample Date:** 8/27/2024      **IDEM Sample #:** AC41400  
**Water Flow Type** Run      **Water Appearance** Murky      **Water Depth**       **Algae?**  
**Water Flow (cf/sec):**       **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:**

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<b>Lab ID #:</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
	% Sat	130.7	%
	DO	10.55	mg/L
Specific Conductance (Field)	932	umho/cm	SM2510B
Temperature	26.1	°C	SM2550B(2)
Turbidity (Hach)	4.56	NTU	180.1
pH (Field)	7.67	SU	150.2
Air Temp	6	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	2	Lookup	Observation

<b>Lab ID #:</b> 50381194012	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	253	mg/L	10
Chloride	25.5	mg/L	2.5
Hardness (as CaCO3)	388	mg/L	10
Solids, Suspended Total, (TSS)	3.7	mg/L	2.5
Solids, Total (TS)	632	mg/L	10
Solids, Total Dissolved (TDS)	602	mg/L	10
Sulfate	251	mg/L	2.5
Calcium	99400	ug/L	1000
Magnesium	34000	ug/L	1000
COD	10.8	mg/L	10
Nitrogen, Ammonia	< .1	mg/L	0.1
Nitrogen, Nitrate+Nitrite	1.7	mg/L	0.1
Phosphorus, Total	.13	mg/L	0.05
TKN	< .5	mg/L	0.5
TOC	1.9	mg/L	1

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

<u>Lab ID #:</u> AC41400	<u>Result</u>	<u>Reporting Limit</u>	<u>Method</u>
E. coli	148.3	MPN/100mL	1
<u>Lab ID #:</u> AC41400b	<u>Result</u>	<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)	6630	MPN/100mL	100

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

**SiteID:** WWL-08-0011      **Sample Date:** 9/2/2024      **IDEML Sample #:** AC41418  
**Water Flow Type** Run      **Water Appearance** Clear      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	99.4	%	ASTM D888-09(C)
	DO	8.65	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		971	umho/cm	SM2510B
Temperature		22.1	°C	SM2550B(2)
Turbidity (Hach)		6.75	NTU	180.1
pH (Field)		7.76	SU	150.2
Air Temp		4	Lookup	Observation
Sky Conditions		1	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		1	Lookup	Observation

<b>Lab ID #:</b> AC41418	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	120.3	MPN/100mL	1	SM9223B

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

**SiteID:** WWL-08-0011      **Sample Date:** 9/9/2024      **IDEML Sample #:** AC41436  
**Water Flow Type** Run      **Water Appearance** Clear      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

Lab ID #: AC41436	<u>Result</u>	<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	151.5	MPN/100mL	1

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

**SiteID:** WWL-08-0011      **Sample Date:** 9/16/2024      **IDEML Sample #:** AC41454  
**Water Flow Type** Run      **Water Appearance** Clear      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
% Sat	125.4	%	ASTM D888-09(C)
DO	10.64	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	1027	umho/cm	SM2510B
Temperature	23.4	°C	SM2550B(2)
Turbidity (Hach)	7.38	NTU	180.1
pH (Field)	7.8	SU	150.2
Air Temp	5	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	1	Lookup	Observation

<b>Lab ID #:</b> AC41454	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	139.6	MPN/100mL	1

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

**SiteID:** WWL-08-0011      **Sample Date:** 9/24/2024      **IDEML Sample #:** AC41472  
**Water Flow Type** Flood      **Water Appearance** Murky      **Water Depth** \_\_\_\_\_  
 **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_       **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	81.2	%	ASTM D888-09(C)
	DO	7.16	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		633	umho/cm	SM2510B
Temperature		21.3	°C	SM2550B(2)
Turbidity (Hach)		63.8	NTU	180.1
pH (Field)		7.57	SU	150.2
Air Temp		5	Lookup	Observation
Sky Conditions		3	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		3	Lookup	Observation
<b>Lab ID #:</b> 50383292012	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	112	mg/L	10	SM2320B
Chloride	24.9	mg/L	2.5	300.0
Hardness (as CaCO3)	239	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	32.8	mg/L	5	SM2540D
Solids, Total (TS)	436	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	384	mg/L	10	SM2540C
Sulfate	151	mg/L	2.5	300.0
Calcium	64100	ug/L	1000	200.7
Magnesium	19300	ug/L	1000	200.7
COD	20.7	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	6.6	mg/L	0.2	353.2
Phosphorus, Total	.56	mg/L	0.05	365.1
TKN	1.2	mg/L	0.5	351.2
TOC	6.1	mg/L	1	SM5310C
<b>Lab ID #:</b> AC41472b	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	155310	MPN/100mL	100	SM9223B
E. coli	17200	MPN/100mL	100	SM9223B

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

**SiteID:** WWL-08-0011      **Sample Date:** 10/15/2024      **IDEML Sample #:** AC42021  
**Water Flow Type** Run      **Water Appearance** Clear      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	128.2	%	ASTM D888-09(C)
	DO	13.19	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		1067	umho/cm	SM2510B
Temperature		13.9	°C	SM2550B(2)
Turbidity (Hach)		6.94	NTU	180.1
pH (Field)		8.07	SU	150.2
Air Temp		3	Lookup	Observation
Sky Conditions		3	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		2	Lookup	Observation
<b>Lab ID #:</b> 50385159012	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	254	mg/L	10	SM2320B
Chloride	29.2	mg/L	2.5	300.0
Hardness (as CaCO3)	416	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	< 2.5	mg/L	2.5	SM2540D
Solids, Total (TS)	770	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	728	mg/L	10	SM2540C
Sulfate	283	mg/L	2.5	300.0
Calcium	103000	ug/L	1000	200.7
Magnesium	38300	ug/L	1000	200.7
COD	15.4	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	1.8	mg/L	0.1	353.2
Phosphorus, Total	.16	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	2.6	mg/L	1	SM5310C
<b>Lab ID #:</b> AC42021	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	727	MPN/100mL	1	SM9223B

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

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

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

**SiteID:** WWL-08-0012      **USGS Hydrologic Unit:** 051202020802  
**Stream Name:** Pickel Ditch      **County:** Knox  
**Description:** McGlone Road      **Latitude:** 38 45 29.17      **Longitude:** -87 16 17.34  
**Drainage:** 15.845      **Site Number:** 24T-007

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**SiteID:** WWL-08-0012      **Sample Date:** 8/27/2024      **IDEM Sample #:** AC41401  
**Water Flow Type** Pool      **Water Appearance** Murky      **Water Depth**       **Algae?**  
**Water Flow (cf/sec):**       **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:**

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<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	211.6	%	ASTM D888-09(C)
	DO	16.53	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		1153	umho/cm	SM2510B
Temperature		27.9	°C	SM2550B(2)
Turbidity (Hach)		7.4	NTU	180.1
pH (Field)		8.14	SU	150.2
Air Temp		6	Lookup	Observation
Sky Conditions		1	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		1	Lookup	Observation

<b>Lab ID #:</b> 50381194013	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	250	mg/L	10	SM2320B
Chloride	26.2	mg/L	2.5	300.0
Hardness (as CaCO3)	458	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	6.1	mg/L	2.5	SM2540D
Solids, Total (TS)	852	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	791	mg/L	10	SM2540C
Sulfate	436	mg/L	2.5	300.0
Calcium	116000	ug/L	1000	200.7
Magnesium	41100	ug/L	1000	200.7
COD	11	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	< .1	mg/L	0.1	353.2
Phosphorus, Total	< .05	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	2.3	mg/L	1	SM5310C

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

<b>Lab ID #:</b> AC41401	<b><u>Result</u></b>	<b><u>Reporting Limit</u></b>	<b><u>Method</u></b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	116	MPN/100mL	1

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

SiteID: WWL-08-0012      Sample Date: 9/2/2024      IDEM Sample #: AC41419  
Water Flow Type Run      Water Appearance Clear      Water Depth       Algae?  
Water Flow (cf/sec):       Flow Estimated?       Aquatic Life?      Canopy Closed % 0-20%  
Sample Comments: \_\_\_\_\_

Lab ID #:	Result	Reporting Limit	Method
% Sat	165.8	%	ASTM D888-09(C)
DO	14.48	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	1312	umho/cm	SM2510B
Temperature	21.9	°C	SM2550B(2)
Turbidity (Hach)	5.76	NTU	180.1
pH (Field)	8.14	SU	150.2
Air Temp	5	Lookup	Observation
Sky Conditions	2	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	1	Lookup	Observation

Lab ID #: AC41419	Result	Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	53.6	MPN/100mL	1

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

**SiteID:** WWL-08-0012      **Sample Date:** 9/9/2024      **IDEML Sample #:** AC41437  
**Water Flow Type** Run      **Water Appearance** Gray (Septic/Sewage)      **Water Depth**       **Algae?**  
**Water Flow (cf/sec):**       **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
% Sat	174.6	%	ASTM D888-09(C)
DO	16.78	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	1309	umho/cm	SM2510B
Temperature	17.1	°C	SM2550B(2)
Turbidity (Hach)	12	NTU	180.1
pH (Field)	8.32	SU	150.2
Air Temp	4	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	0	Lookup	Observation

<b>Lab ID #:</b> AC41437	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	185	MPN/100mL	1

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

**SiteID:** WWL-08-0012      **Sample Date:** 9/16/2024      **IDEML Sample #:** AC41455  
**Water Flow Type** Run      **Water Appearance** Clear      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
% Sat	170.5	%	ASTM D888-09(C)
DO	14.56	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	1306	umho/cm	SM2510B
Temperature	23	°C	SM2550B(2)
Turbidity (Hach)	6.76	NTU	180.1
pH (Field)	8.19	SU	150.2
Air Temp	5	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	1	Lookup	Observation

<b>Lab ID #:</b> AC41455	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	68.3	MPN/100mL	1

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

**SiteID:** WWL-08-0012      **Sample Date:** 9/24/2024      **IDEML Sample #:** AC41473  
**Water Flow Type** Run      **Water Appearance** Clear      **Water Depth** \_\_\_\_\_  
 **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_       **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	91.1	%	ASTM D888-09(C)
	DO	7.96	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	1804	umho/cm		SM2510B
Temperature	21.7	°C		SM2550B(2)
Turbidity (Hach)	8.86	NTU		180.1
pH (Field)	7.68	SU		150.2
Air Temp	5	Lookup		Observation
Sky Conditions	4	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	3	Lookup		Observation
<b>Lab ID #:</b> 50383292013	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	283	mg/L	10	SM2320B
Chloride	42.1	mg/L	2.5	300.0
Hardness (as CaCO3)	555	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	2.6	mg/L	2.5	SM2540D
Solids, Total (TS)	1310	mg/L	20	SM2540B
Solids, Total Dissolved (TDS)	1300	mg/L	20	SM2540C
Sulfate	647	mg/L	25	300.0
Calcium	134000	ug/L	1000	200.7
Magnesium	53400	ug/L	1000	200.7
COD	10.8	mg/L	10	410.4
Nitrogen, Ammonia	.28	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.19	mg/L	0.1	353.2
Phosphorus, Total	< .05	mg/L	0.05	365.1
TKN	.6	mg/L	0.5	351.2
TOC	2.8	mg/L	1	SM5310C
<b>Lab ID #:</b> AC41473	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	1119.9	MPN/100mL	1	SM9223B

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

**SiteID:** WWL-08-0012      **Sample Date:** 10/15/2024      **IDEML Sample #:** AC42022  
**Water Flow Type** Run      **Water Appearance** Murky      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**  **Aquatic Life?**  **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	104.9	%	ASTM D888-09(C)
	DO	11.07	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		1458	umho/cm	SM2510B
Temperature		12.7	°C	SM2550B(2)
Turbidity (Hach)		9.51	NTU	180.1
pH (Field)		8.16	SU	150.2
Air Temp		3	Lookup	Observation
Sky Conditions		3	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		2	Lookup	Observation
<b>Lab ID #:</b> 50385159013	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	290	mg/L	10	SM2320B
Chloride	33.3	mg/L	2.5	300.0
Hardness (as CaCO3)	479	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	< 2.5	mg/L	2.5	SM2540D
Solids, Total (TS)	1090	mg/L	20	SM2540B
Solids, Total Dissolved (TDS)	1040	mg/L	20	SM2540C
Sulfate	457	mg/L	25	300.0
Calcium	117000	ug/L	1000	200.7
Magnesium	45500	ug/L	1000	200.7
COD	14.3	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	< .1	mg/L	0.1	353.2
Phosphorus, Total	< .05	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	2.6	mg/L	1	SM5310C
<b>Lab ID #:</b> AC42022	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	1553.1	MPN/100mL	1	SM9223B
E. coli	60.2	MPN/100mL	1	SM9223B

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

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

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

**SiteID:** WWL-08-0013      **USGS Hydrologic Unit:** 051202020802  
**Stream Name:** Indian Creek      **County:** Knox  
**Description:** Mine Road      **Latitude:** 38 45 29.10      **Longitude:** -87 17 23.94  
**Drainage:** 9.366      **Site Number:** 24T-008

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**SiteID:** WWL-08-0013      **Sample Date:** 8/27/2024      **IDEM Sample #:** AC41402  
**Water Flow Type** Run      **Water Appearance** Murky      **Water Depth**       **Algae?**  
**Water Flow (cf/sec):**       **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:**

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<b>Lab ID #:</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
% Sat	78.2	%	ASTM D888-09(C)
DO	6.54	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	1468	umho/cm	SM2510B
Temperature	24.1	°C	SM2550B(2)
Turbidity (Hach)	2.54	NTU	180.1
pH (Field)	7.49	SU	150.2
Air Temp	6	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	0	Lookup	Observation

<b>Lab ID #:</b> 50381194014	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO <sub>3</sub> )	222	mg/L	10
Chloride	75.6	mg/L	2.5
Hardness (as CaCO <sub>3</sub> )	531	mg/L	10
Solids, Suspended Total, (TSS)	< 2.5	mg/L	2.5
Solids, Total (TS)	1070	mg/L	20
Solids, Total Dissolved (TDS)	980	mg/L	20
Sulfate	434	mg/L	2.5
Calcium	132000	ug/L	1000
Magnesium	48900	ug/L	1000
COD	15.8	mg/L	10
Nitrogen, Ammonia	< .1	mg/L	0.1
Nitrogen, Nitrate+Nitrite	23.5	mg/L	2.5
Phosphorus, Total	.76	mg/L	0.05
TKN	< .5	mg/L	0.5
TOC	3.9	mg/L	1

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

<b>Lab ID #:</b> AC41402	<b><u>Result</u></b>	<b><u>Reporting Limit</u></b>	<b><u>Method</u></b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	218.7	MPN/100mL	1

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

SiteID: WWL-08-0013      Sample Date: 9/2/2024      IDEM Sample #: AC41420  
Water Flow Type Riffle      Water Appearance Clear      Water Depth  
 Algae?  
Water Flow (cf/sec):       Flow Estimated?       Aquatic Life?      Canopy Closed % 0-20%  
Sample Comments: \_\_\_\_\_

Lab ID #:	Result	Reporting Limit	Method
% Sat	77.1	%	ASTM D888-09(C)
DO	6.9	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	1410	umho/cm	SM2510B
Temperature	20.6	°C	SM2550B(2)
Turbidity (Hach)	245	NTU	180.1
pH (Field)	7.62	SU	150.2
Air Temp	5	Lookup	Observation
Sky Conditions	2	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	1	Lookup	Observation

Lab ID #: AC41420	Result	Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	73.3	MPN/100mL	1

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

SiteID: WWL-08-0013

Sample Date: 9/9/2024

IDEML Sample #: AC41438

Water Flow Type Pool

Water Appearance Sheen

Water Depth

Algae?

Water Flow (cf/sec):

Flow Estimated?  Aquatic Life?

Canopy Closed % 0-20%

Sample Comments: \_\_\_\_\_

Lab ID #:	Result	Reporting Limit	Method
% Sat	86.1	%	ASTM D888-09(C)
DO	8.59	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	1548	umho/cm	SM2510B
Temperature	15.3	°C	SM2550B(2)
Turbidity (Hach)	6.97	NTU	180.1
pH (Field)	7.7	SU	150.2
Air Temp	4	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	0	Lookup	Observation
Lab ID #: AC41438	Result	Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	52	MPN/100mL	1

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

**SiteID:** WWL-08-0013

Sample Date: 9/16/2024

**IDE** Sample #: AC41456

### Water Flow Type Run

**Water Appearance** Murky

## Water Depth

## □ Algae?

**Water Flow (cf/sec):**

### Flow Estimates 10 Aromatic 10

### Canopy Closed % 0-20%

### Sample Comments:

Sample Comments:

Lab ID #:	Result	Reporting Limit	Method
	% Sat	73.9	%
	DO	6.56	mg/L
Specific Conductance (Field)	1240	umho/cm	SM2510B
Temperature	21	°C	SM2550B(2)
Turbidity (Hach)	6.02	NTU	180.1
pH (Field)	7.5	SU	150.2
Air Temp	5	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	1	Lookup	Observation

Lab ID #: AC41456	<u>Result</u>	<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	137.4	MPN/100mL	1

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

**SiteID:** WWL-08-0013      **Sample Date:** 9/24/2024      **IDEML Sample #:** AC41474  
**Water Flow Type** Run      **Water Appearance** Murky      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**  **Aquatic Life?**  **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	70.2	%	ASTM D888-09(C)
	DO	6.21	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		442	umho/cm	SM2510B
Temperature		21.4	°C	SM2550B(2)
Turbidity (Hach)		14.1	NTU	180.1
pH (Field)		7.43	SU	150.2
Air Temp		5	Lookup	Observation
Sky Conditions		4	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		2	Lookup	Observation
<b>Lab ID #:</b> 50383292014	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	91.6	mg/L	10	SM2320B
Chloride	79.5	mg/L	2.5	300.0
Hardness (as CaCO3)	173	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	67.4	mg/L	5	SM2540D
Solids, Total (TS)	431	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	349	mg/L	10	SM2540C
Sulfate	75.6	mg/L	2.5	300.0
Calcium	46500	ug/L	1000	200.7
Magnesium	13800	ug/L	1000	200.7
COD	28.2	mg/L	10	410.4
Nitrogen, Ammonia	.3	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	3.1	mg/L	0.1	353.2
Phosphorus, Total	.49	mg/L	0.05	365.1
TKN	1.5	mg/L	0.5	351.2
TOC	7	mg/L	1	SM5310C
<b>Lab ID #:</b> AC41474b	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 241960	MPN/100mL	241960	SM9223B
E. coli	19560	MPN/100mL	100	SM9223B

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

**SiteID:** WWL-08-0013      **Sample Date:** 10/15/2024      **IDEML Sample #:** AC42023  
**Water Flow Type** Pool      **Water Appearance** Clear      **Water Depth** \_\_\_\_\_  
 **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_       **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	87.4	%	ASTM D888-09(C)
	DO	9.36	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	1527	umho/cm		SM2510B
Temperature	12	°C		SM2550B(2)
Turbidity (Hach)	5.43	NTU		180.1
pH (Field)	7.87	SU		150.2
Air Temp	3	Lookup		Observation
Sky Conditions	3	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	2	Lookup		Observation
<b>Lab ID #:</b> 50385159014	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	242	mg/L	10	SM2320B
Chloride	63.4	mg/L	2.5	300.0
Hardness (as CaCO3)	595	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	< 2.5	mg/L	2.5	SM2540D
Solids, Total (TS)	1170	mg/L	20	SM2540B
Solids, Total Dissolved (TDS)	1100	mg/L	20	SM2540C
Sulfate	467	mg/L	25	300.0
Calcium	144000	ug/L	1000	200.7
Magnesium	57200	ug/L	1000	200.7
COD	18.6	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	11.3	mg/L	0.5	353.2
Phosphorus, Total	.32	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	4	mg/L	1	SM5310C
<b>Lab ID #:</b> AC42023	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	307.6	MPN/100mL	1	SM9223B

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

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

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

**SiteID:** WWL-08-0015      **USGS Hydrologic Unit:** 051202020803  
**Stream Name:** White River      **County:** Daviess  
**Description:** CR 1000 North      **Latitude:** 38 48 43.82      **Longitude:** -87 14 33.74  
**Drainage:** 4976.339      **Site Number:** 24T-012

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**SiteID:** WWL-08-0015      **Sample Date:** 8/26/2024      **IDEM Sample #:** AC41404  
**Water Flow Type** Run      **Water Appearance** Murky      **Water Depth**       **Algae?**  
**Water Flow (cf/sec):**       **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:**

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<b>Lab ID #:</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
% Sat	147.2	%	ASTM D888-09(C)
DO	11.72	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	725	umho/cm	SM2510B
Temperature	27	°C	SM2550B(2)
Turbidity (Hach)	22.3	NTU	180.1
pH (Field)	8.29	SU	150.2
Air Temp	6	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	0	Lookup	Observation

<b>Lab ID #:</b> 50381194001	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO <sub>3</sub> )	178	mg/L	10
Chloride	84.4	mg/L	2.5
Hardness (as CaCO <sub>3</sub> )	222	mg/L	10
Solids, Suspended Total, (TSS)	51.8	mg/L	5
Solids, Total (TS)	451	mg/L	10
Solids, Total Dissolved (TDS)	395	mg/L	10
Sulfate	74.8	mg/L	2.5
Calcium	52900	ug/L	1000
Magnesium	21900	ug/L	1000
COD	28.1	mg/L	10
Nitrogen, Ammonia	< .1	mg/L	0.1
Nitrogen, Nitrate+Nitrite	.34	mg/L	0.1
Phosphorus, Total	.27	mg/L	0.05
TKN	1.4	mg/L	0.5
TOC	3.5	mg/L	1

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

<b>Lab ID #:</b> AC41404	<b><u>Result</u></b>	<b><u>Reporting Limit</u></b>	<b><u>Method</u></b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	2	MPN/100mL	1

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

**SiteID:** WWL-08-0015

Sample Date: 9/3/2024

**ITEM Sample #:** AC41422

### Water Flow Type Run

**Water Appearance** Murky

## Water Depth

Algae?

**Water Flow (cf/sec):**

#### Flow Estimated to Aromatic Life

### Canopy Closed % 0-20%

### Sample Comments:

Sample Comments:

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Lab ID #: AC41422	<u>Result</u>	<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	36.4	MPN/100mL	1

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

**SiteID:** WWL-08-0015      **Sample Date:** 9/10/2024      **IDEML Sample #:** AC41440  
**Water Flow Type** Run      **Water Appearance** Murky      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
% Sat	131.6	%	ASTM D888-09(C)
DO	11.59	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	745	umho/cm	SM2510B
Temperature	21.5	°C	SM2550B(2)
Turbidity (Hach)	36.8	NTU	180.1
pH (Field)	8.32	SU	150.2
Air Temp	4	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	0	Lookup	Observation

<b>Lab ID #:</b> AC41440	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	691	MPN/100mL	1
E. coli	15.8	MPN/100mL	1

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

**SiteID:** WWL-08-0015

**Sample Date:** 9/17/2024

**IDEM Sample #:** AC41458

**Water Flow Type** Run

**Water Appearance** Murky

**Water Depth**

**Algae?**

**Water Flow (cf/sec):**

**Flow Estimated?**  **Aquatic Life?**

**Canopy Closed %** 0-20%

**Sample Comments:**

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<b>Lab ID #:</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
	% Sat	123.1	%
	DO	10.22	mg/L
Specific Conductance (Field)	911	umho/cm	SM2510B
Temperature	24.6	°C	SM2550B(2)
Turbidity (Hach)	18.3	NTU	180.1
pH (Field)	8.26	SU	150.2
Air Temp	5	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	0	Lookup	Observation
<b>Lab ID #:</b> AC41458	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	10.9	MPN/100mL	1

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

**SiteID:** WWL-08-0015      **Sample Date:** 9/23/2024      **IDEML Sample #:** AC41476  
**Water Flow Type** Run      **Water Appearance** Brown      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**  **Aquatic Life?** **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	105.2	%	ASTM D888-09(C)
	DO	8.86	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		881	umho/cm	SM2510B
Temperature		23.9	°C	SM2550B(2)
Turbidity (Hach)		23.9	NTU	180.1
pH (Field)		7.84	SU	150.2
Air Temp		4	Lookup	Observation
Sky Conditions		4	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		0	Lookup	Observation
<b>Lab ID #:</b> 50383292001	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	206	mg/L	10	SM2320B
Chloride	126	mg/L	2.5	300.0
Hardness (as CaCO3)	269	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	23.4	mg/L	5	SM2540D
Solids, Total (TS)	584	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	549	mg/L	10	SM2540C
Sulfate	124	mg/L	2.5	300.0
Calcium	62900	ug/L	1000	200.7
Magnesium	27200	ug/L	1000	200.7
COD	24.6	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.59	mg/L	0.1	353.2
Phosphorus, Total	.13	mg/L	0.05	365.1
TKN	1.3	mg/L	0.5	351.2
TOC	3.5	mg/L	1	SM5310C
<b>Lab ID #:</b> AC41476	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	6.3	MPN/100mL	1	SM9223B

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

**SiteID:** WWL-08-0015      **Sample Date:** 10/14/2024      **IDEML Sample #:** AC42025  
**Water Flow Type** Run      **Water Appearance** Murky      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**  **Aquatic Life?**  **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	131	%	ASTM D888-09(C)
	DO	12.61	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		797	umho/cm	SM2510B
Temperature		17.2	°C	SM2550B(2)
Turbidity (Hach)		19.3	NTU	180.1
pH (Field)		8.38	SU	150.2
Air Temp		3	Lookup	Observation
Sky Conditions		3	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		2	Lookup	Observation

  

<b>Lab ID #:</b> 50385159001	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	186	mg/L	10	SM2320B
Chloride	94.8	mg/L	2.5	300.0
Hardness (as CaCO3)	226	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	18.8	mg/L	5	SM2540D
Solids, Total (TS)	496	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	439	mg/L	10	SM2540C
Sulfate	79.3	mg/L	2.5	300.0
Calcium	52900	ug/L	1000	200.7
Magnesium	22700	ug/L	1000	200.7
COD	24.5	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	< .1	mg/L	0.1	353.2
Phosphorus, Total	.17	mg/L	0.05	365.1
TKN	.83	mg/L	0.5	351.2
TOC	3.3	mg/L	1	SM5310C

  

<b>Lab ID #:</b> AC42025	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	6.3	MPN/100mL	1	SM9223B

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

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

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

**SiteID:** WWL-08-0016      **USGS Hydrologic Unit:** 051202020803  
**Stream Name:** White River      **County:** Daviess  
**Description:** Dinkens Road      **Latitude:** 38 48 48.99      **Longitude:** -87 12 59.01  
**Drainage:** 4811.4725      **Site Number:** 24T-013

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**SiteID:** WWL-08-0016      **Sample Date:** 8/26/2024      **IDEM Sample #:** AC41406  
**Water Flow Type** Run      **Water Appearance** Murky      **Water Depth**       **Algae?**  
**Water Flow (cf/sec):**       **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:**

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<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	183	%	ASTM D888-09(C)
	DO	14.06	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		722	umho/cm	SM2510B
Temperature		29	°C	SM2550B(2)
Turbidity (Hach)		24.4	NTU	180.1
pH (Field)		8.53	SU	150.2
Air Temp		6	Lookup	Observation
Sky Conditions		1	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		1	Lookup	Observation

<b>Lab ID #:</b> 50381194003	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO <sub>3</sub> )	168	mg/L	10	SM2320B
Chloride	79.6	mg/L	2.5	300.0
Hardness (as CaCO <sub>3</sub> )	227	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	38.2	mg/L	5	SM2540D
Solids, Total (TS)	414	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	382	mg/L	10	SM2540C
Sulfate	71.3	mg/L	2.5	300.0
Calcium	53500	ug/L	1000	200.7
Magnesium	22800	ug/L	1000	200.7
COD	32	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.36	mg/L	0.1	353.2
Phosphorus, Total	.11	mg/L	0.05	365.1
TKN	1.4	mg/L	0.5	351.2
TOC	3.6	mg/L	1	SM5310C

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

<b>Lab ID #:</b> AC41406	<b><u>Result</u></b>		<b><u>Reporting Limit</u></b>	<b><u>Method</u></b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	< 1	MPN/100mL	1	SM9223B

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

SiteID: WWL-08-0016

Sample Date: 9/3/2024

IDEML Sample #: AC41424

Water Flow Type Run

Water Appearance Murky

Water Depth

Algae?

Water Flow (cf/sec):

Flow Estimated?  Aquatic Life?

Canopy Closed % 0-20%

Sample Comments: \_\_\_\_\_

Lab ID #:	Result	Reporting Limit	Method
% Sat	119.6	%	ASTM D888-09(C)
DO	10.06	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	926	umho/cm	SM2510B
Temperature	23.9	°C	SM2550B(2)
Turbidity (Hach)	64.4	NTU	180.1
pH (Field)	8.24	SU	150.2
Air Temp	4	Lookup	Observation
Sky Conditions	4	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	1	Lookup	Observation
Lab ID #: AC41424	Result	Reporting Limit	Method
Coliforms (Total)	105.4	MPN/100mL	1
E. coli	22.6	MPN/100mL	1

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

**SiteID:** WWL-08-0016      **Sample Date:** 9/10/2024      **IDEML Sample #:** AC41442  
**Water Flow Type** Run      **Water Appearance** Murky      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
% Sat	153.1	%	ASTM D888-09(C)
DO	13.01	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	765	umho/cm	SM2510B
Temperature	23.4	°C	SM2550B(2)
Turbidity (Hach)	44.1	NTU	180.1
pH (Field)	8.39	SU	150.2
Air Temp	5	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	0	Lookup	Observation

<b>Lab ID #:</b> AC41442	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	5.2	MPN/100mL	1

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

**SiteID:** WWL-08-0016      **Sample Date:** 9/17/2024      **IDEML Sample #:** AC41460  
**Water Flow Type** Run      **Water Appearance** Clear      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	154.2	%	ASTM D888-09(C)
	DO	12.44	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		924	umho/cm	SM2510B
Temperature		26.2	°C	SM2550B(2)
Turbidity (Hach)		23.7	NTU	180.1
pH (Field)		8.5	SU	150.2
Air Temp		6	Lookup	Observation
Sky Conditions		1	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		0	Lookup	Observation

<b>Lab ID #:</b> AC41460	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	< 1	MPN/100mL	1	SM9223B

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

**SiteID:** WWL-08-0016      **Sample Date:** 9/23/2024      **IDEML Sample #:** AC41478  
**Water Flow Type** Run      **Water Appearance** Brown      **Water Depth** \_\_\_\_\_  
 **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_       **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	123.1	%	ASTM D888-09(C)
	DO	10.3	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		950	umho/cm	SM2510B
Temperature		23.7	°C	SM2550B(2)
Turbidity (Hach)		19.8	NTU	180.1
pH (Field)		7.87	SU	150.2
Air Temp		5	Lookup	Observation
Sky Conditions		8	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		0	Lookup	Observation
<b>Lab ID #:</b> 50383292003	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	206	mg/L	10	SM2320B
Chloride	128	mg/L	2.5	300.0
Hardness (as CaCO3)	265	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	30.2	mg/L	5	SM2540D
Solids, Total (TS)	580	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	549	mg/L	10	SM2540C
Sulfate	123	mg/L	2.5	300.0
Calcium	62300	ug/L	1000	200.7
Magnesium	26600	ug/L	1000	200.7
COD	21.7	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.56	mg/L	0.1	353.2
Phosphorus, Total	.11	mg/L	0.05	365.1
TKN	1.2	mg/L	0.5	351.2
TOC	3.5	mg/L	1	SM5310C
<b>Lab ID #:</b> AC41478	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	24.1	MPN/100mL	1	SM9223B

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

**SiteID:** WWL-08-0016      **Sample Date:** 10/14/2024      **IDEML Sample #:** AC42027  
**Water Flow Type** Run      **Water Appearance** Clear      **Water Depth** \_\_\_\_\_  
 **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_       **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	156.3	%	ASTM D888-09(C)
	DO	14.46	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		774	umho/cm	SM2510B
Temperature		19	°C	SM2550B(2)
Turbidity (Hach)		19.7	NTU	180.1
pH (Field)		8.53	SU	150.2
Air Temp		3	Lookup	Observation
Sky Conditions		3	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		2	Lookup	Observation
<b>Lab ID #:</b> 50385159003	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	185	mg/L	10	SM2320B
Chloride	94.3	mg/L	2.5	300.0
Hardness (as CaCO3)	227	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	16.4	mg/L	5	SM2540D
Solids, Total (TS)	474	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	415	mg/L	10	SM2540C
Sulfate	78.7	mg/L	2.5	300.0
Calcium	53300	ug/L	1000	200.7
Magnesium	22800	ug/L	1000	200.7
COD	28.4	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.11	mg/L	0.1	353.2
Phosphorus, Total	.11	mg/L	0.05	365.1
TKN	.89	mg/L	0.5	351.2
TOC	3.5	mg/L	1	SM5310C
<b>Lab ID #:</b> AC42027	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	9.6	MPN/100mL	1	SM9223B

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

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

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

**SiteID:** WWL-08-0017      **USGS Hydrologic Unit:** 051202020803  
**Stream Name:** Pollard Ditch      **County:** Knox  
**Description:** Unnamed Farm Lane      **Latitude:** 38 49 5.49      **Longitude:** -87 14 32.42  
**Drainage:** 25.767      **Site Number:** 24T-014

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**SiteID:** WWL-08-0017      **Sample Date:** 8/26/2024      **IDEM Sample #:** AC41405  
**Water Flow Type** Run      **Water Appearance** Clear      **Water Depth**       **Algae?**  
**Water Flow (cf/sec):**       **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:**

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<b>Lab ID #:</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
% Sat	107.3	%	ASTM D888-09(C)
DO	8.94	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	1607	umho/cm	SM2510B
Temperature	24.3	°C	SM2550B(2)
Turbidity (Hach)	8.03	NTU	180.1
pH (Field)	7.78	SU	150.2
Air Temp	6	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	1	Lookup	Observation

<b>Lab ID #:</b> 50381194002	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	282	mg/L	10
Chloride	86	mg/L	2.5
Hardness (as CaCO3)	620	mg/L	10
Solids, Suspended Total, (TSS)	8	mg/L	2.5
Solids, Total (TS)	1220	mg/L	20
Solids, Total Dissolved (TDS)	1150	mg/L	20
Sulfate	74.5	mg/L	2.5
Calcium	121000	ug/L	1000
Magnesium	77300	ug/L	1000
COD	10.7	mg/L	10
Nitrogen, Ammonia	< .1	mg/L	0.1
Nitrogen, Nitrate+Nitrite	.33	mg/L	0.1
Phosphorus, Total	.13	mg/L	0.05
TKN	< .5	mg/L	0.5
TOC	2.3	mg/L	1

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

<b>Lab ID #:</b> AC41405	<b><u>Result</u></b>	<b><u>Reporting Limit</u></b>	<b><u>Method</u></b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	101.7	MPN/100mL	1

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

**SiteID:** WWL-08-0017      **Sample Date:** 9/2/2024      **IDEML Sample #:** AC41423  
**Water Flow Type** Run      **Water Appearance** Murky      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
% Sat	77.1	%	ASTM D888-09(C)
DO	6.78	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	1718	umho/cm	SM2510B
Temperature	21.4	°C	SM2550B(2)
Turbidity (Hach)	9.54	NTU	180.1
pH (Field)	7.79	SU	150.2
Air Temp	5	Lookup	Observation
Sky Conditions	2	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	1	Lookup	Observation

<b>Lab ID #:</b> AC41423	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	42	MPN/100mL	1

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

**SiteID:** WWL-08-0017

**Sample Date:** 9/10/2024

**IDEM Sample #:** AC41441

**Water Flow Type** Run

**Water Appearance** Murky

**Water Depth**

**Algae?**

**Water Flow (cf/sec):**

**Flow Estimated?**

**Aquatic Life?**

**Canopy Closed %** 0-20%

**Sample Comments:**

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<b>Lab ID #:</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
	% Sat	92	%
	DO	8.94	mg/L
Specific Conductance (Field)	1571	umho/cm	SM2510B
Temperature	16.5	°C	SM2550B(2)
Turbidity (Hach)	10.6	NTU	180.1
pH (Field)	7.84	SU	150.2
Air Temp	5	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	0	Lookup	Observation
<b>Lab ID #:</b> AC41441	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	83.3	MPN/100mL	1

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

**SiteID:** WWL-08-0017

**Sample Date:** 9/17/2024

**IDEML Sample #:** AC41459

**Water Flow Type** Run

**Water Appearance** Murky

**Water Depth**

**Algae?**

**Water Flow (cf/sec):**

**Flow Estimated?**

**Aquatic Life?**

**Canopy Closed %** 0-20%

**Sample Comments:**

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<b>Lab ID #:</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
	% Sat	70.4	%
	DO	6.27	mg/L
Specific Conductance (Field)	1837	umho/cm	SM2510B
Temperature	20.8	°C	SM2550B(2)
Turbidity (Hach)	11.5	NTU	180.1
pH (Field)	7.75	SU	150.2
Air Temp	5	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	0	Lookup	Observation
<b>Lab ID #:</b> AC41459	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	42.6	MPN/100mL	1

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

**SiteID:** WWL-08-0017      **Sample Date:** 9/23/2024      **IDEML Sample #:** AC41477  
**Water Flow Type** Run      **Water Appearance** Clear      **Water Depth** \_\_\_\_\_  
 **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_       **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	64.3	%	ASTM D888-09(C)
	DO	5.67	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	1690	umho/cm		SM2510B
Temperature	21.3	°C		SM2550B(2)
Turbidity (Hach)	23.5	NTU		180.1
pH (Field)	7.12	SU		150.2
Air Temp	5	Lookup		Observation
Sky Conditions	8	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
<b>Lab ID #:</b> 50383292002	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	294	mg/L	10	SM2320B
Chloride	19.1	mg/L	0.25	300.0
Hardness (as CaCO3)	707	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	15.2	mg/L	2.5	SM2540D
Solids, Total (TS)	1370	mg/L	20	SM2540B
Solids, Total Dissolved (TDS)	1310	mg/L	20	SM2540C
Sulfate	687	mg/L	25	300.0
Calcium	134000	ug/L	1000	200.7
Magnesium	90800	ug/L	1000	200.7
COD	13.3	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.22	mg/L	0.1	353.2
Phosphorus, Total	.1	mg/L	0.05	365.1
TKN	.55	mg/L	0.5	351.2
TOC	2.8	mg/L	1	SM5310C
<b>Lab ID #:</b> AC41477	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	648.8	MPN/100mL	1	SM9223B

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

**SiteID:** WWL-08-0017      **Sample Date:** 10/14/2024      **IDEML Sample #:** AC42026  
**Water Flow Type** Run      **Water Appearance** Murky      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**  **Aquatic Life?**  **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	99.2	%	ASTM D888-09(C)
	DO	9.99	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	1772	umho/cm		SM2510B
Temperature	14.8	°C		SM2550B(2)
Turbidity (Hach)	7.3	NTU		180.1
pH (Field)	8.02	SU		150.2
Air Temp	3	Lookup		Observation
Sky Conditions	3	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	2	Lookup		Observation

  

<b>Lab ID #:</b> 50385159002	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	302	mg/L	10	SM2320B
Chloride	18.4	mg/L	0.25	300.0
Hardness (as CaCO3)	715	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	< 2.5	mg/L	2.5	SM2540D
Solids, Total (TS)	1500	mg/L	20	SM2540B
Solids, Total Dissolved (TDS)	1430	mg/L	20	SM2540C
Sulfate	720	mg/L	25	300.0
Calcium	135000	ug/L	1000	200.7
Magnesium	92000	ug/L	1000	200.7
COD	15.7	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.16	mg/L	0.1	353.2
Phosphorus, Total	.17	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	2.8	mg/L	1	SM5310C

  

<b>Lab ID #:</b> AC42026	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	1553.1	MPN/100mL	1	SM9223B
E. coli	32.7	MPN/100mL	1	SM9223B

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

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

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

**SiteID:** WWL-08-0018      **USGS Hydrologic Unit:** 051202020802  
**Stream Name:** Purdy-Marsh Ditch      **County:** Knox  
**Description:** Snyder Road      **Latitude:** 38 47 14.98      **Longitude:** -87 16 20.63  
**Drainage:** 8.551      **Site Number:** 24T-010

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**SiteID:** WWL-08-0018      **Sample Date:** 8/27/2024      **IDEM Sample #:** AC41403  
**Water Flow Type** Eddy      **Water Appearance** Murky      **Water Depth**       **Algae?**  
**Water Flow (cf/sec):**       **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:**

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<b>Lab ID #:</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
	% Sat	101.3	%
	DO	7.9	mg/L
Specific Conductance (Field)	1212	umho/cm	SM2510B
Temperature	28.1	°C	SM2550B(2)
Turbidity (Hach)	7.68	NTU	180.1
pH (Field)	7.56	SU	150.2
Air Temp	6	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	2	Lookup	Observation

<b>Lab ID #:</b> 50381194015	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	209	mg/L	10
Chloride	14.1	mg/L	0.25
Hardness (as CaCO3)	674	mg/L	10
Solids, Suspended Total, (TSS)	6.4	mg/L	2.5
Solids, Total (TS)	993	mg/L	10
Solids, Total Dissolved (TDS)	945	mg/L	10
Sulfate	461	mg/L	25
Calcium	176000	ug/L	1000
Magnesium	57000	ug/L	1000
COD	13.3	mg/L	10
Nitrogen, Ammonia	< .1	mg/L	0.1
Nitrogen, Nitrate+Nitrite	< .1	mg/L	0.1
Phosphorus, Total	.051	mg/L	0.05
TKN	< .5	mg/L	0.5
TOC	2.9	mg/L	1

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

<u>Lab ID #:</u> AC41403	<u>Result</u>	<u>Reporting Limit</u>	<u>Method</u>	
E. coli	123.6	MPN/100mL	1	SM9223B
<u>Lab ID #:</u> AC41403b	<u>Result</u>	<u>Reporting Limit</u>	<u>Method</u>	
Coliforms (Total)	7430	MPN/100mL	100	SM9223B

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

**SiteID:** WWL-08-0018

**Sample Date:** 9/2/2024

**IDEM Sample #:** AC41421

**Water Flow Type** Riffle

**Water Appearance** Murky

**Water Depth**

**Algae?**

**Water Flow (cf/sec):**

**Flow Estimated?**  **Aquatic Life?**

**Canopy Closed %** 0-20%

**Sample Comments:**

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<b>Lab ID #:</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
	% Sat	105.6	%
	DO	8.74	mg/L
Specific Conductance (Field)		1192	umho/cm
Temperature		24.7	°C
Turbidity (Hach)		6.25	NTU
pH (Field)		7.68	SU
Air Temp		5	Lookup
Sky Conditions		2	Lookup
Wind Direction		27	Lookup
Wind Strength		1	Lookup

<b>Lab ID #:</b> AC41421	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	37.9	MPN/100mL	1

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

SiteID: WWL-08-0018

Sample Date: 9/9/2024

IDEML Sample #: AC41439

Water Flow Type Riffle

Water Appearance Murky

Water Depth

Algae?

Water Flow (cf/sec):

Flow Estimated?  Aquatic Life?

Canopy Closed % 0-20%

Sample Comments: \_\_\_\_\_

Lab ID #:	Result	Reporting Limit	Method
% Sat	106.6	%	ASTM D888-09(C)
DO	9.65	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	1090	umho/cm	SM2510B
Temperature	20.1	°C	SM2550B(2)
Turbidity (Hach)	24	NTU	180.1
pH (Field)	7.51	SU	150.2
Air Temp	5	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	1	Lookup	Observation
Lab ID #: AC41439	Result	Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	163.1	MPN/100mL	1

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

SiteID: WWL-08-0018

Sample Date: 9/16/2024

IDEML Sample #: AC41457

Water Flow Type Riffle

Water Appearance Murky

Water Depth

Algae?

Water Flow (cf/sec):

Flow Estimated?  Aquatic Life?

Canopy Closed % 0-20%

Sample Comments: \_\_\_\_\_

Lab ID #:	Result	Reporting Limit	Method
% Sat	108.8	%	ASTM D888-09(C)
DO	9.1	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	1230	umho/cm	SM2510B
Temperature	24.1	°C	SM2550B(2)
Turbidity (Hach)	11.2	NTU	180.1
pH (Field)	7.67	SU	150.2
Air Temp	5	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	1	Lookup	Observation
Lab ID #: AC41457	Result	Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	31.1	MPN/100mL	1

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

**SiteID:** WWL-08-0018      **Sample Date:** 9/24/2024      **IDEML Sample #:** AC41475  
**Water Flow Type** Run      **Water Appearance** Murky      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**  **Aquatic Life?** **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	70.8	%	ASTM D888-09(C)
	DO	6.14	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	1145	umho/cm		SM2510B
Temperature	22.3	°C		SM2550B(2)
Turbidity (Hach)	21.3	NTU		180.1
pH (Field)	7.56	SU		150.2
Air Temp	5	Lookup		Observation
Sky Conditions	3	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	2	Lookup		Observation

  

<b>Lab ID #:</b> 50383292015	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	201	mg/L	10	SM2320B
Chloride	12.8	mg/L	0.25	300.0
Hardness (as CaCO3)	664	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	13.2	mg/L	2.5	SM2540D
Solids, Total (TS)	943	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	875	mg/L	10	SM2540C
Sulfate	440	mg/L	25	300.0
Calcium	180000	ug/L	1000	200.7
Magnesium	52200	ug/L	1000	200.7
COD	12	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	< .1	mg/L	0.1	353.2
Phosphorus, Total	< .05	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	2.9	mg/L	1	SM5310C

  

<b>Lab ID #:</b> AC41475	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	248.1	MPN/100mL	1	SM9223B

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

**SiteID:** WWL-08-0018      **Sample Date:** 10/15/2024      **IDEML Sample #:** AC42024  
**Water Flow Type** Glide      **Water Appearance** Clear      **Water Depth** \_\_\_\_\_  
 **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_       **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	95.8	%	ASTM D888-09(C)
	DO	9.65	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	1098	umho/cm		SM2510B
Temperature	14.9	°C		SM2550B(2)
Turbidity (Hach)	13	NTU		180.1
pH (Field)	7.83	SU		150.2
Air Temp	3	Lookup		Observation
Sky Conditions	3	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	2	Lookup		Observation
<b>Lab ID #:</b> 50385159015	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	211	mg/L	10	SM2320B
Chloride	14	mg/L	0.25	300.0
Hardness (as CaCO3)	596	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	2.9	mg/L	2.5	SM2540D
Solids, Total (TS)	874	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	838	mg/L	10	SM2540C
Sulfate	430	mg/L	2.5	300.0
Calcium	159000	ug/L	1000	200.7
Magnesium	48600	ug/L	1000	200.7
COD	10.8	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.14	mg/L	0.1	353.2
Phosphorus, Total	< .05	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	2.6	mg/L	1	SM5310C
<b>Lab ID #:</b> AC42024	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	2419.6	MPN/100mL	1	SM9223B
E. coli	53.7	MPN/100mL	1	SM9223B

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

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

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

**SiteID:** WWL-08-0019      **USGS Hydrologic Unit:** 051202020801  
**Stream Name:** Pollard Ditch      **County:** Knox  
**Description:** SR 58      **Latitude:** 38 52 1.81      **Longitude:** -87 15 8.01  
**Drainage:** 17.717      **Site Number:** 24T-016

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**SiteID:** WWL-08-0019      **Sample Date:** 8/26/2024      **IDEM Sample #:** AC41408  
**Water Flow Type** Run      **Water Appearance** Clear      **Water Depth**       **Algae?**  
**Water Flow (cf/sec):**       **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:**

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<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	148.4	%	ASTM D888-09(C)
	DO	11.43	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		2791	umho/cm	SM2510B
Temperature		28.5	°C	SM2550B(2)
Turbidity (Hach)		9.63	NTU	180.1
pH (Field)		8.11	SU	150.2
Air Temp		6	Lookup	Observation
Sky Conditions		1	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		1	Lookup	Observation

<b>Lab ID #:</b> 50381194005	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO <sub>3</sub> )	348	mg/L	10	SM2320B
Chloride	19.1	mg/L	0.25	300.0
Hardness (as CaCO <sub>3</sub> )	1080	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	10.2	mg/L	5	SM2540D
Solids, Total (TS)	2360	mg/L	40	SM2540B
Solids, Total Dissolved (TDS)	2190	mg/L	40	SM2540C
Sulfate	1380	mg/L	25	300.0
Calcium	180000	ug/L	1000	200.7
Magnesium	154000	ug/L	1000	200.7
COD	12.2	mg/L	10	410.4
Nitrogen, Ammonia	<.1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	<.1	mg/L	0.1	353.2
Phosphorus, Total	.094	mg/L	0.05	365.1
TKN	<.5	mg/L	0.5	351.2
TOC	2.9	mg/L	1	SM5310C

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

<b>Lab ID #:</b> AC41408	<b><u>Result</u></b>	<b><u>Reporting Limit</u></b>	<b><u>Method</u></b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	16	MPN/100mL	1

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

SiteID: WWL-08-0019      Sample Date: 9/2/2024      IDEM Sample #: AC41426  
Water Flow Type Run      Water Appearance Green      Water Depth       Algae?  
Water Flow (cf/sec):       Flow Estimated?       Aquatic Life?      Canopy Closed % 0-20%  
Sample Comments: \_\_\_\_\_

Lab ID #:	Result	Reporting Limit	Method
% Sat	162.3	%	ASTM D888-09(C)
DO	13.31	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	3027	umho/cm	SM2510B
Temperature	24.9	°C	SM2550B(2)
Turbidity (Hach)	5.67	NTU	180.1
pH (Field)	8.18	SU	150.2
Air Temp	5	Lookup	Observation
Sky Conditions	2	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	2	Lookup	Observation

Lab ID #: AC41426	Result	Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	20.6	MPN/100mL	1

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

**SiteID:** WWL-08-0019      **Sample Date:** 9/9/2024      **IDEML Sample #:** AC41444  
**Water Flow Type** Run      **Water Appearance** Clear      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	124	%	ASTM D888-09(C)
	DO	11.86	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		2887	umho/cm	SM2510B
Temperature		17.1	°C	SM2550B(2)
Turbidity (Hach)		5.83	NTU	180.1
pH (Field)		8.16	SU	150.2
Air Temp		4	Lookup	Observation
Sky Conditions		1	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		1	Lookup	Observation

<b>Lab ID #:</b> AC41444	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	14.5	MPN/100mL	1	SM9223B

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

**SiteID:** WWL-08-0019      **Sample Date:** 9/16/2024      **IDEML Sample #:** AC41462  
**Water Flow Type** Run      **Water Appearance** Clear      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
	% Sat	117.5	%
	DO	9.87	mg/L
Specific Conductance (Field)	2753	umho/cm	SM2510B
Temperature	23.7	°C	SM2550B(2)
Turbidity (Hach)	86.85	NTU	180.1
pH (Field)	8.07	SU	150.2
Air Temp	5	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	1	Lookup	Observation

<b>Lab ID #:</b> AC41462	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	9.7	MPN/100mL	1

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

**SiteID:** WWL-08-0019      **Sample Date:** 9/23/2024      **IDEML Sample #:** AC41480  
**Water Flow Type** Run      **Water Appearance** Brown      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**  **Aquatic Life?** **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	89.5	%	ASTM D888-09(C)
	DO	7.75	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	2772	umho/cm		SM2510B
Temperature	22	°C		SM2550B(2)
Turbidity (Hach)	7.12	NTU		180.1
pH (Field)	7.77	SU		150.2
Air Temp	5	Lookup		Observation
Sky Conditions	8	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
<b>Lab ID #:</b> 50383292005	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	372	mg/L	10	SM2320B
Chloride	22.3	mg/L	0.25	300.0
Hardness (as CaCO3)	1080	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	3.4	mg/L	2.5	SM2540D
Solids, Total (TS)	2260	mg/L	40	SM2540B
Solids, Total Dissolved (TDS)	2110	mg/L	40	SM2540C
Sulfate	1300	mg/L	25	300.0
Calcium	184000	ug/L	1000	200.7
Magnesium	151000	ug/L	1000	200.7
COD	14.5	mg/L	10	410.4
Nitrogen, Ammonia	<.1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	<.1	mg/L	0.1	353.2
Phosphorus, Total	.079	mg/L	0.05	365.1
TKN	<.5	mg/L	0.5	351.2
TOC	3.5	mg/L	1	SM5310C
<b>Lab ID #:</b> AC41480	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	517.2	MPN/100mL	1	SM9223B

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

**SiteID:** WWL-08-0019      **Sample Date:** 10/14/2024      **IDEML Sample #:** AC42029  
**Water Flow Type** Run      **Water Appearance** Clear      **Water Depth** \_\_\_\_\_  
 **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_       **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	127.8	%	ASTM D888-09(C)
	DO	12.51	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	2696	umho/cm		SM2510B
Temperature	16	°C		SM2550B(2)
Turbidity (Hach)	6.38	NTU		180.1
pH (Field)	8.27	SU		150.2
Air Temp	3	Lookup		Observation
Sky Conditions	3	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	2	Lookup		Observation
<b>Lab ID #:</b> 50385159005	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	367	mg/L	10	SM2320B
Chloride	18.5	mg/L	0.25	300.0
Hardness (as CaCO3)	1040	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	< 2.5	mg/L	2.5	SM2540D
Solids, Total (TS)	2280	mg/L	20	SM2540B
Solids, Total Dissolved (TDS)	2280	mg/L	20	SM2540C
Sulfate	1260	mg/L	25	300.0
Calcium	178000	ug/L	1000	200.7
Magnesium	145000	ug/L	1000	200.7
COD	16.2	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	< .1	mg/L	0.1	353.2
Phosphorus, Total	< .05	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	3.1	mg/L	1	SM5310C
<b>Lab ID #:</b> AC42029	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	2419.6	MPN/100mL	1	SM9223B
E. coli	28.8	MPN/100mL	1	SM9223B

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

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

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

**SiteID:** WWL-08-0020      **USGS Hydrologic Unit:** 051202020801  
**Stream Name:** Pollard Ditch      **County:** Knox  
**Description:** County Line Road      **Latitude:** 38 54 6.06      **Longitude:** -87 15 45.32  
**Drainage:** 4.683      **Site Number:** 24T-017

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**SiteID:** WWL-08-0020      **Sample Date:** 8/27/2024      **IDEM Sample #:** AC41409  
**Water Flow Type** Run      **Water Appearance** Clear      **Water Depth**       **Algae?**  
**Water Flow (cf/sec):**       **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:**

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<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	154.2	%	ASTM D888-09(C)
	DO	11.49	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		2859	umho/cm	SM2510B
Temperature		30.3	°C	SM2550B(2)
Turbidity (Hach)		1.97	NTU	180.1
pH (Field)		7.86	SU	150.2
Air Temp		6	Lookup	Observation
Sky Conditions		1	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		1	Lookup	Observation

<b>Lab ID #:</b> 50381194006	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO <sub>3</sub> )	397	mg/L	10	SM2320B
Chloride	15	mg/L	0.25	300.0
Hardness (as CaCO <sub>3</sub> )	1150	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	< 2.5	mg/L	2.5	SM2540D
Solids, Total (TS)	2300	mg/L	40	SM2540B
Solids, Total Dissolved (TDS)	2230	mg/L	40	SM2540C
Sulfate	1250	mg/L	25	300.0
Calcium	196000	ug/L	1000	200.7
Magnesium	161000	ug/L	1000	200.7
COD	10.8	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	< .1	mg/L	0.1	353.2
Phosphorus, Total	.05	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	2.4	mg/L	1	SM5310C

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

<b>Lab ID #:</b> AC41409	<b><u>Result</u></b>	<b><u>Reporting Limit</u></b>	<b><u>Method</u></b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	59.1	MPN/100mL	1

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

**SiteID:** WWL-08-0020      **Sample Date:** 9/2/2024      **IDEML Sample #:** AC41427  
**Water Flow Type** Run      **Water Appearance** Clear      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
% Sat	151	%		ASTM D888-09(C)
DO	12.23	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	2898	umho/cm		SM2510B
Temperature	25.6	°C		SM2550B(2)
Turbidity (Hach)	3.9	NTU		180.1
pH (Field)	8.01	SU		150.2
Air Temp	5	Lookup		Observation
Sky Conditions	2	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation

<b>Lab ID #:</b> AC41427	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	93.4	MPN/100mL	1	SM9223B

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

**SiteID:** WWL-08-0020      **Sample Date:** 9/9/2024      **IDEML Sample #:** AC41445  
**Water Flow Type** Glide      **Water Appearance** Clear      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
	% Sat	129.2	%
	DO	11.8	mg/L
Specific Conductance (Field)	3088	umho/cm	SM2510B
Temperature	19.3	°C	SM2550B(2)
Turbidity (Hach)	4.23	NTU	180.1
pH (Field)	8.04	SU	150.2
Air Temp	5	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	1	Lookup	Observation

<b>Lab ID #:</b> AC41445	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	38.9	MPN/100mL	1

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

**SiteID:** WWL-08-0020      **Sample Date:** 9/16/2024      **IDEML Sample #:** AC41463  
**Water Flow Type** Glide      **Water Appearance** Clear      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
	% Sat	147.4	%
	DO	12.15	mg/L
Specific Conductance (Field)	2979	umho/cm	SM2510B
Temperature	24.7	°C	SM2550B(2)
Turbidity (Hach)	7.43	NTU	180.1
pH (Field)	8.02	SU	150.2
Air Temp	6	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	1	Lookup	Observation

<b>Lab ID #:</b> AC41463	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	90.5	MPN/100mL	1

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

**SiteID:** WWL-08-0020      **Sample Date:** 9/23/2024      **IDEML Sample #:** AC41481  
**Water Flow Type** Glide      **Water Appearance** Clear      **Water Depth** \_\_\_\_\_  
 **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_       **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	93.6	%	ASTM D888-09(C)
	DO	8.1	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	2844	umho/cm		SM2510B
Temperature	22.1	°C		SM2550B(2)
Turbidity (Hach)	10.8	NTU		180.1
pH (Field)	8	SU		150.2
Air Temp	5	Lookup		Observation
Sky Conditions	8	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
<b>Lab ID #:</b> 50383292006	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	408	mg/L	10	SM2320B
Chloride	19.1	mg/L	0.25	300.0
Hardness (as CaCO3)	1120	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	8.6	mg/L	2.5	SM2540D
Solids, Total (TS)	2330	mg/L	40	SM2540B
Solids, Total Dissolved (TDS)	2150	mg/L	40	SM2540C
Sulfate	1270	mg/L	25	300.0
Calcium	195000	ug/L	1000	200.7
Magnesium	154000	ug/L	1000	200.7
COD	14.4	mg/L	10	410.4
Nitrogen, Ammonia	<.1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	<.1	mg/L	0.1	353.2
Phosphorus, Total	<.05	mg/L	0.05	365.1
TKN	.52	mg/L	0.5	351.2
TOC	3.3	mg/L	1	SM5310C
<b>Lab ID #:</b> AC41481	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	1732.9	MPN/100mL	1	SM9223B

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

**SiteID:** WWL-08-0020      **Sample Date:** 10/14/2024      **IDEML Sample #:** AC42030  
**Water Flow Type** Glide      **Water Appearance** Clear      **Water Depth** \_\_\_\_\_  
 **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_       **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	129.6	%	ASTM D888-09(C)
	DO	12.53	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	2816	umho/cm		SM2510B
Temperature	16.5	°C		SM2550B(2)
Turbidity (Hach)	6.18	NTU		180.1
pH (Field)	8.09	SU		150.2
Air Temp	3	Lookup		Observation
Sky Conditions	3	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	2	Lookup		Observation
<b>Lab ID #:</b> 50385159006	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	420	mg/L	10	SM2320B
Chloride	16.2	mg/L	0.25	300.0
Hardness (as CaCO3)	1160	mg/L	50	SM2340B
Solids, Suspended Total, (TSS)	< 5	mg/L	5	SM2540D
Solids, Total (TS)	2550	mg/L	20	SM2540B
Solids, Total Dissolved (TDS)	2330	mg/L	20	SM2540C
Sulfate	1300	mg/L	25	300.0
Calcium	208000	ug/L	5000	200.7
Magnesium	156000	ug/L	1000	200.7
COD	13.4	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	< .1	mg/L	0.1	353.2
Phosphorus, Total	< .05	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	2.1	mg/L	1	SM5310C
<b>Lab ID #:</b> AC42030	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	2419.6	MPN/100mL	1	SM9223B
E. coli	16.9	MPN/100mL	1	SM9223B

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

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

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

**SiteID:** WWL-08-0021      **USGS Hydrologic Unit:** 051202020804  
**Stream Name:** Bens Creek      **County:** Knox  
**Description:** Apraw Road      **Latitude:** 38 41 49.41      **Longitude:** -87 16 58.92  
**Drainage:** 4.0925      **Site Number:** 24T-003

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**SiteID:** WWL-08-0021      **Sample Date:** 8/27/2024      **IDEM Sample #:** AC41398  
**Water Flow Type** Run      **Water Appearance** Murky      **Water Depth**       **Algae?**  
**Water Flow (cf/sec):**       **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:**

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<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	94.3	%	ASTM D888-09(C)
	DO	7.85	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	2263	umho/cm		SM2510B
Temperature	24.2	°C		SM2550B(2)
Turbidity (Hach)	5.27	NTU		180.1
pH (Field)	7.77	SU		150.2
Air Temp	6	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	2	Lookup		Observation

<b>Lab ID #:</b> 50381194010	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO <sub>3</sub> )	306	mg/L	10	SM2320B
Chloride	24.1	mg/L	2.5	300.0
Hardness (as CaCO <sub>3</sub> )	889	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	8.2	mg/L	5	SM2540D
Solids, Total (TS)	1930	mg/L	20	SM2540B
Solids, Total Dissolved (TDS)	1780	mg/L	20	SM2540C
Sulfate	1010	mg/L	25	300.0
Calcium	172000	ug/L	1000	200.7
Magnesium	111000	ug/L	1000	200.7
COD	12.2	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	< .1	mg/L	0.1	353.2
Phosphorus, Total	.074	mg/L	0.05	365.1
TKN	.56	mg/L	0.5	351.2
TOC	3.6	mg/L	1	SM5310C

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

<b>Lab ID #:</b> AC41398	<b><u>Result</u></b>	<b><u>Reporting Limit</u></b>	<b><u>Method</u></b>
E. coli	142.1	MPN/100mL	1
<b>Lab ID #:</b> AC41398b	<b><u>Result</u></b>	<b><u>Reporting Limit</u></b>	<b><u>Method</u></b>
Coliforms (Total)	10540	MPN/100mL	100

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

**SiteID:** WWL-08-0021

**Sample Date:** 9/2/2024

**IDEML Sample #:** AC41416

**Water Flow Type** Pool

**Water Appearance** Murky

**Water Depth**

Algae?

**Water Flow (cf/sec):**

Flow Estimated?  Aquatic Life?

**Canopy Closed %** 0-20%

**Sample Comments:**

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<b>Lab ID #:</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
	% Sat	43.7 %	ASTM D888-09(C)
	DO	3.97 mg/L	ASTM D888-09(C)
Specific Conductance (Field)	2076 umho/cm		SM2510B
Temperature	19.7 °C		SM2550B(2)
Turbidity (Hach)	6.86 NTU		180.1
pH (Field)	7.05 SU		150.2
Air Temp	4	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	1	Lookup	Observation
<b>Lab ID #:</b> AC41416	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6 MPN/100mL	2419.6	SM9223B
E. coli	47.3 MPN/100mL	1	SM9223B

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

SiteID: WWL-08-0021      Sample Date: 9/9/2024      IDEM Sample #: AC41434  
Water Flow Type Run      Water Appearance Murky      Water Depth       Algae?  
Water Flow (cf/sec):       Flow Estimated?       Aquatic Life?      Canopy Closed % 0-20%  
Sample Comments: \_\_\_\_\_

Lab ID #:	Result	Reporting Limit	Method
	% Sat	82.3	%
	DO	8.48	mg/L
Specific Conductance (Field)	2298	umho/cm	SM2510B
Temperature	13.7	°C	SM2550B(2)
Turbidity (Hach)	5.2	NTU	180.1
pH (Field)	7.92	SU	150.2
Air Temp	4	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	0	Lookup	Observation
Lab ID #: AC41434	Result	Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	22.8	MPN/100mL	1

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

SiteID: WWL-08-0021

Sample Date: 9/16/2024

IDEML Sample #: AC41452

Water Flow Type Run

Water Appearance Murky

Water Depth

Algae?

Water Flow (cf/sec):

Flow Estimated?  Aquatic Life?

Canopy Closed % 0-20%

Sample Comments: \_\_\_\_\_

Lab ID #:	Result	Reporting Limit	Method
% Sat	71.1	%	ASTM D888-09(C)
DO	6.4	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	2581	umho/cm	SM2510B
Temperature	20.1	°C	SM2550B(2)
Turbidity (Hach)	9.73	NTU	180.1
pH (Field)	7.77	SU	150.2
Air Temp	5	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	2	Lookup	Observation
Lab ID #: AC41452	Result	Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	83.9	MPN/100mL	1

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

**SiteID:** WWL-08-0021      **Sample Date:** 9/24/2024      **IDEML Sample #:** AC41470  
**Water Flow Type** Flood      **Water Appearance** Murky      **Water Depth** \_\_\_\_\_  
 **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_       **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	59.1	%	ASTM D888-09(C)
	DO	5.26	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	1290	umho/cm		SM2510B
Temperature	21.1	°C		SM2550B(2)
Turbidity (Hach)	87.8	NTU		180.1
pH (Field)	7.51	SU		150.2
Air Temp	5	Lookup		Observation
Sky Conditions	4	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	3	Lookup		Observation
<b>Lab ID #:</b> 50383292010	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	157	mg/L	10	SM2320B
Chloride	12.9	mg/L	0.25	300.0
Hardness (as CaCO3)	461	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	49.7	mg/L	7.1	SM2540D
Solids, Total (TS)	1080	mg/L	20	SM2540B
Solids, Total Dissolved (TDS)	933	mg/L	10	SM2540C
Sulfate	512	mg/L	25	300.0
Calcium	93500	ug/L	1000	200.7
Magnesium	55400	ug/L	1000	200.7
COD	80.6	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	2	mg/L	0.1	353.2
Phosphorus, Total	.44	mg/L	0.05	365.1
TKN	3.2	mg/L	0.5	351.2
TOC	27.6	mg/L	4	SM5310C
<b>Lab ID #:</b> AC41470b	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 241960	MPN/100mL	241960	SM9223B
E. coli	34480	MPN/100mL	100	SM9223B

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

**SiteID:** WWL-08-0021      **Sample Date:** 10/15/2024      **IDEML Sample #:** AC42019  
**Water Flow Type** Run      **Water Appearance** Murky      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**  **Aquatic Life?**  **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	69	%	ASTM D888-09(C)
	DO	7.49	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	2461	umho/cm		SM2510B
Temperature	11.3	°C		SM2550B(2)
Turbidity (Hach)	6.82	NTU		180.1
pH (Field)	7.97	SU		150.2
Air Temp	3	Lookup		Observation
Sky Conditions	3	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	2	Lookup		Observation
<b>Lab ID #:</b> 50385159010	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	316	mg/L	10	SM2320B
Chloride	21.6	mg/L	2.5	300.0
Hardness (as CaCO3)	1040	mg/L	50	SM2340B
Solids, Suspended Total, (TSS)	< 2.5	mg/L	2.5	SM2540D
Solids, Total (TS)	2100	mg/L	40	SM2540B
Solids, Total Dissolved (TDS)	2020	mg/L	40	SM2540C
Sulfate	1170	mg/L	25	300.0
Calcium	206000	ug/L	5000	200.7
Magnesium	128000	ug/L	1000	200.7
COD	17.3	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	< .1	mg/L	0.1	353.2
Phosphorus, Total	.057	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	4.5	mg/L	1	SM5310C
<b>Lab ID #:</b> AC42019	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	454.1	MPN/100mL	1	SM9223B
E. coli	88.4	MPN/100mL	1	SM9223B

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

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

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

**SiteID:** WWL-08-0022      **USGS Hydrologic Unit:** 051202020804  
**Stream Name:** Nimnicht Creek      **County:** Knox  
**Description:** Nimnicht Road      **Latitude:** 38 40 0.12      **Longitude:** -87 16 45.38  
**Drainage:** 1.176      **Site Number:** 24T-018

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**SiteID:** WWL-08-0022      **Sample Date:** 8/27/2024      **IDEM Sample #:** AC41411  
**Water Flow Type** Pool      **Water Appearance** Clear      **Water Depth** \_\_\_\_\_  
 **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_       **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

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<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	81.6	%	ASTM D888-09(C)
	DO	7.01	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		972	umho/cm	SM2510B
Temperature		22.8	°C	SM2550B(2)
Turbidity (Hach)		4.63	NTU	180.1
pH (Field)		5.01	SU	150.2
Air Temp		6	Lookup	Observation
Sky Conditions		1	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		0	Lookup	Observation

<b>Lab ID #:</b> 50381194008	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO <sub>3</sub> )	< 10	mg/L	10	SM2320B
Chloride	25.7	mg/L	2.5	300.0
Hardness (as CaCO <sub>3</sub> )	446	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	< 2.5	mg/L	2.5	SM2540D
Solids, Total (TS)	812	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	760	mg/L	10	SM2540C
Sulfate	478	mg/L	25	300.0
Calcium	117000	ug/L	1000	200.7
Magnesium	37000	ug/L	1000	200.7
COD	< 10	mg/L	10	410.4
Nitrogen, Ammonia	.25	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.33	mg/L	0.1	353.2
Phosphorus, Total	.072	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	1.2	mg/L	1	SM5310C

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

<b>Lab ID #:</b> AC41411	<b><u>Result</u></b>	<b><u>Reporting Limit</u></b>	<b><u>Method</u></b>
E. coli	14.8	MPN/100mL	1
<b>Lab ID #:</b> AC41411b	<b><u>Result</u></b>	<b><u>Reporting Limit</u></b>	<b><u>Method</u></b>
Coliforms (Total)	4350	MPN/100mL	100

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

**SiteID:** WWL-08-0022

**Sample Date:** 9/2/2024

**IDEM Sample #:** AC41429

**Water Flow Type** Pool

**Water Appearance** Murky

**Water Depth**

Algae?

**Water Flow (cf/sec):**

Flow Estimated?  Aquatic Life?

**Canopy Closed %** 0-20%

**Sample Comments:**

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<b>Lab ID #:</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
	% Sat	79.6	%
	DO	7.09	mg/L
Specific Conductance (Field)	985	umho/cm	SM2510B
Temperature	20.9	°C	SM2550B(2)
Turbidity (Hach)	7.94	NTU	180.1
pH (Field)	4.71	SU	150.2
Air Temp	4	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	1	Lookup	Observation
<b>Lab ID #:</b> AC41429	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	1986.3	MPN/100mL	1
E. coli	7.2	MPN/100mL	1

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

**SiteID:** WWL-08-0022

**Sample Date:** 9/9/2024

**IDEML Sample #:** AC41447

**Water Flow Type** Run

**Water Appearance** Clear

**Water Depth**

Algae?

**Water Flow (cf/sec):**

Flow Estimated?  Aquatic Life?

**Canopy Closed %** 0-20%

**Sample Comments:**

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<b>Lab ID #:</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
	% Sat	72.7 %	ASTM D888-09(C)
	DO	7.39 mg/L	ASTM D888-09(C)
Specific Conductance (Field)	1044 umho/cm		SM2510B
Temperature	14.5 °C		SM2550B(2)
Turbidity (Hach)	7.19 NTU		180.1
pH (Field)	5.2 SU		150.2
Air Temp	4 Lookup		Observation
Sky Conditions	1 Lookup		Observation
Wind Direction	27 Lookup		Observation
Wind Strength	0 Lookup		Observation
<b>Lab ID #:</b> AC41447	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6 MPN/100mL	2419.6	SM9223B
E. coli	6.3 MPN/100mL	1	SM9223B

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

**SiteID:** WWL-08-0022      **Sample Date:** 9/16/2024      **IDEML Sample #:** AC41465  
**Water Flow Type** Pool      **Water Appearance** Clear      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
	% Sat	79.3	%
	DO	7.22	mg/L
Specific Conductance (Field)	834	umho/cm	SM2510B
Temperature	19.8	°C	SM2550B(2)
Turbidity (Hach)	8.39	NTU	180.1
pH (Field)	4.97	SU	150.2
Air Temp	4	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	0	Lookup	Observation

<b>Lab ID #:</b> AC41465	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	10.8	MPN/100mL	1

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

**SiteID:** WWL-08-0022      **Sample Date:** 9/24/2024      **IDEML Sample #:** AC41483  
**Water Flow Type** Flood      **Water Appearance** Murky      **Water Depth** \_\_\_\_\_  
 **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_       **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	82.1	%	ASTM D888-09(C)
	DO	7.36	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	323.2	umho/cm		SM2510B
Temperature	20.4	°C		SM2550B(2)
Turbidity (Hach)	90.8	NTU		180.1
pH (Field)	6.46	SU		150.2
Air Temp	5	Lookup		Observation
Sky Conditions	4	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
<b>Lab ID #:</b> 50383292008	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	25.8	mg/L	10	SM2320B
Chloride	8.5	mg/L	0.25	300.0
Hardness (as CaCO3)	126	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	54.3	mg/L	8.3	SM2540D
Solids, Total (TS)	291	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	203	mg/L	10	SM2540C
Sulfate	100	mg/L	2.5	300.0
Calcium	34500	ug/L	1000	200.7
Magnesium	9600	ug/L	1000	200.7
COD	58.7	mg/L	10	410.4
Nitrogen, Ammonia	.2	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	2.5	mg/L	0.1	353.2
Phosphorus, Total	.4	mg/L	0.05	365.1
TKN	2.4	mg/L	0.5	351.2
TOC	15.3	mg/L	1	SM5310C
<b>Lab ID #:</b> AC41483b	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 241960	MPN/100mL	241960	SM9223B
E. coli	17200	MPN/100mL	100	SM9223B

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

**SiteID:** WWL-08-0022      **Sample Date:** 10/15/2024      **IDEML Sample #:** AC42032  
**Water Flow Type** Pool      **Water Appearance** Murky      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**  **Aquatic Life?**  **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	76.2	%	ASTM D888-09(C)
	DO	8.29	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	1219	umho/cm		SM2510B
Temperature	11.4	°C		SM2550B(2)
Turbidity (Hach)	5.14	NTU		180.1
pH (Field)	4.86	SU		150.2
Air Temp	3	Lookup		Observation
Sky Conditions	4	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	2	Lookup		Observation

  

<b>Lab ID #:</b> 50385159008	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	< 10	mg/L	10	SM2320B
Chloride	23.8	mg/L	0.25	300.0
Hardness (as CaCO3)	535	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	< 2.5	mg/L	2.5	SM2540D
Solids, Total (TS)	1100	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	1020	mg/L	10	SM2540C
Sulfate	659	mg/L	25	300.0
Calcium	141000	ug/L	1000	200.7
Magnesium	44800	ug/L	1000	200.7
COD	< 10	mg/L	10	410.4
Nitrogen, Ammonia	.5	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.28	mg/L	0.1	353.2
Phosphorus, Total	< .05	mg/L	0.05	365.1
TKN	.8	mg/L	0.5	351.2
TOC	2.2	mg/L	1	SM5310C

  

<b>Lab ID #:</b> AC42032	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	9.7	MPN/100mL	1	SM9223B

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

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

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

**SiteID:** WWL070-0002      **USGS Hydrologic Unit:** 051202020801  
**Stream Name:** Pollard Ditch      **County:** Knox  
**Description:** CR 725 North      **Latitude:** 38 49 59.74      **Longitude:** -87 14 5.32  
**Drainage:** 22.253      **Site Number:** 24T-015

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**SiteID:** WWL070-0002      **Sample Date:** 8/26/2024      **IDEM Sample #:** AC41407  
**Water Flow Type** Riffle      **Water Appearance** Clear      **Water Depth**       **Algae?**  
**Water Flow (cf/sec):**       **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:**

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<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	89	%	ASTM D888-09(C)
	DO	7.72	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		1818	umho/cm	SM2510B
Temperature		22.1	°C	SM2550B(2)
Turbidity (Hach)		5.07	NTU	180.1
pH (Field)		7.76	SU	150.2
Air Temp		6	Lookup	Observation
Sky Conditions		1	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		0	Lookup	Observation

<b>Lab ID #:</b> 50381194004	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO <sub>3</sub> )	302	mg/L	10	SM2320B
Chloride	18.8	mg/L	0.25	300.0
Hardness (as CaCO <sub>3</sub> )	679	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	3.1	mg/L	2.5	SM2540D
Solids, Total (TS)	1420	mg/L	20	SM2540B
Solids, Total Dissolved (TDS)	1400	mg/L	20	SM2540C
Sulfate	732	mg/L	25	300.0
Calcium	126000	ug/L	1000	200.7
Magnesium	88100	ug/L	1000	200.7
COD	10.9	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.13	mg/L	0.1	353.2
Phosphorus, Total	.15	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	2.1	mg/L	1	SM5310C

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

<b>Lab ID #:</b> AC41407	<b><u>Result</u></b>	<b><u>Reporting Limit</u></b>	<b><u>Method</u></b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	461.1	MPN/100mL	1

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

SiteID: WWL070-0002      Sample Date: 9/2/2024      IDEM Sample #: AC41425  
Water Flow Type Run      Water Appearance Murky      Water Depth       Algae?  
Water Flow (cf/sec):       Flow Estimated?       Aquatic Life?      Canopy Closed % 0-20%  
Sample Comments: \_\_\_\_\_

Lab ID #:	Result	Reporting Limit	Method
% Sat	79.2	%	ASTM D888-09(C)
DO	7.18	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	1872	umho/cm	SM2510B
Temperature	19.9	°C	SM2550B(2)
Turbidity (Hach)	5.67	NTU	180.1
pH (Field)	7.82	SU	150.2
Air Temp	5	Lookup	Observation
Sky Conditions	2	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	2	Lookup	Observation

Lab ID #: AC41425	Result	Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	91.2	MPN/100mL	1

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

**SiteID:** WWL070-0002      **Sample Date:** 9/10/2024      **IDEML Sample #:** AC41443  
**Water Flow Type** Run      **Water Appearance** Clear      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
	% Sat	82.2	%
	DO	8	mg/L
Specific Conductance (Field)	1857	umho/cm	SM2510B
Temperature	16.4	°C	SM2550B(2)
Turbidity (Hach)	7.8	NTU	180.1
pH (Field)	7.81	SU	150.2
Air Temp	5	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	0	Lookup	Observation

<b>Lab ID #:</b> AC41443	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	93.3	MPN/100mL	1

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

**SiteID:** WWL070-0002      **Sample Date:** 9/17/2024      **IDEML Sample #:** AC41461  
**Water Flow Type** Run      **Water Appearance** Clear      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
% Sat	67.4	%		ASTM D888-09(C)
DO	6.2	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	1900	umho/cm		SM2510B
Temperature	19.1	°C		SM2550B(2)
Turbidity (Hach)	8.66	NTU		180.1
pH (Field)	7.77	SU		150.2
Air Temp	5	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation

<b>Lab ID #:</b> AC41461	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	178.5	MPN/100mL	1	SM9223B

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

**SiteID:** WWL070-0002      **Sample Date:** 9/23/2024      **IDEML Sample #:** AC41479  
**Water Flow Type** Run      **Water Appearance** Brown      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	65.3	%	ASTM D888-09(C)
	DO	5.91	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	1938	umho/cm		SM2510B
Temperature	20	°C		SM2550B(2)
Turbidity (Hach)	10.9	NTU		180.1
pH (Field)	7.05	SU		150.2
Air Temp	5	Lookup		Observation
Sky Conditions	8	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
<b>Lab ID #:</b> 50383292004	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	307	mg/L	10	SM2320B
Chloride	20.5	mg/L	0.25	300.0
Hardness (as CaCO3)	779	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	3.6	mg/L	2.5	SM2540D
Solids, Total (TS)	1590	mg/L	20	SM2540B
Solids, Total Dissolved (TDS)	1500	mg/L	20	SM2540C
Sulfate	805	mg/L	25	300.0
Calcium	140000	ug/L	1000	200.7
Magnesium	104000	ug/L	1000	200.7
COD	11.8	mg/L	10	410.4
Nitrogen, Ammonia	<.1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	<.1	mg/L	0.1	353.2
Phosphorus, Total	.13	mg/L	0.05	365.1
TKN	<.5	mg/L	0.5	351.2
TOC	2.7	mg/L	1	SM5310C
<b>Lab ID #:</b> AC41479	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	260.3	MPN/100mL	1	SM9223B

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

**SiteID:** WWL070-0002      **Sample Date:** 10/14/2024      **IDEML Sample #:** AC42028  
**Water Flow Type** Riffle      **Water Appearance** Clear      **Water Depth** \_\_\_\_\_  
 **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_       **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	75.5	%	ASTM D888-09(C)
	DO	7.82	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	1804	umho/cm		SM2510B
Temperature	13.5	°C		SM2550B(2)
Turbidity (Hach)	9.17	NTU		180.1
pH (Field)	7.87	SU		150.2
Air Temp	3	Lookup		Observation
Sky Conditions	3	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	2	Lookup		Observation
<b>Lab ID #:</b> 50385159004	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	302	mg/L	10	SM2320B
Chloride	18.7	mg/L	0.25	300.0
Hardness (as CaCO3)	708	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	< 2.5	mg/L	2.5	SM2540D
Solids, Total (TS)	1490	mg/L	20	SM2540B
Solids, Total Dissolved (TDS)	1370	mg/L	20	SM2540C
Sulfate	706	mg/L	25	300.0
Calcium	134000	ug/L	1000	200.7
Magnesium	90700	ug/L	1000	200.7
COD	12.9	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	< .1	mg/L	0.1	353.2
Phosphorus, Total	.067	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	2.7	mg/L	1	SM5310C
<b>Lab ID #:</b> AC42028	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	325.5	MPN/100mL	1	SM9223B

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

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

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

**SiteID:** WWL070-0003      **USGS Hydrologic Unit:** 051202020803  
**Stream Name:** West Fork White River      **County:** Daviess  
**Description:** SR 358, Near Edwardsport      **Latitude:** 38 47 42.17      **Longitude:** -87 14 30.72  
**Drainage:** 4977.395      **Site Number:** 24T-011

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**SiteID:** WWL070-0003      **Sample Date:** 8/26/2024      **IDEM Sample #:** AC41396  
**Water Flow Type** Eddy      **Water Appearance** Green      **Water Depth**       **Algae?**  
**Water Flow (cf/sec):**       **Flow Estimated?**       **Aquatic Life?**      **Canopy Closed %** 0-20%  
**Sample Comments:**

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<b>Lab ID #:</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
	% Sat	121	%
	DO	9.77	mg/L
Specific Conductance (Field)		723	umho/cm
Temperature		26.2	°C
Turbidity (Hach)		25.2	NTU
pH (Field)		8.02	SU
Air Temp		6	Lookup
Sky Conditions		1	Lookup
Wind Direction		27	Lookup
Wind Strength		0	Lookup

<b>Lab ID #:</b> 50381194018	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	179	mg/L	10
Chloride	87.3	mg/L	2.5
Hardness (as CaCO3)	228	mg/L	10
Solids, Suspended Total, (TSS)	33	mg/L	5
Solids, Total (TS)	439	mg/L	10
Solids, Total Dissolved (TDS)	390	mg/L	10
Sulfate	78.9	mg/L	2.5
Calcium	54000	ug/L	1000
Magnesium	22600	ug/L	1000
COD	30.3	mg/L	10
Nitrogen, Ammonia	< .1	mg/L	0.1
Nitrogen, Nitrate+Nitrite	.34	mg/L	0.1
Phosphorus, Total	.051	mg/L	0.05
TKN	1.4	mg/L	0.5
TOC	3.4	mg/L	1

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

<b>Lab ID #:</b> AC41396	<b><u>Result</u></b>	<b><u>Reporting Limit</u></b>	<b><u>Method</u></b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	4.1	MPN/100mL	1

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

SiteID: WWL070-0003

Sample Date: 9/2/2024

IDEML Sample #: AC41414

Water Flow Type Run

Water Appearance Green

Water Depth

Algae?

Water Flow (cf/sec):

Flow Estimated?  Aquatic Life?

Canopy Closed % 0-20%

Sample Comments: \_\_\_\_\_

Lab ID #:	Result	Reporting Limit	Method
% Sat	130	%	ASTM D888-09(C)
DO	10.66	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	849	umho/cm	SM2510B
Temperature	25.3	°C	SM2550B(2)
Turbidity (Hach)	27.9	NTU	180.1
pH (Field)	8.26	SU	150.2
Air Temp	5	Lookup	Observation
Sky Conditions	2	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	1	Lookup	Observation
Lab ID #: AC41414	Result	Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	15.3	MPN/100mL	1

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

**SiteID:** WWL070-0003

**Sample Date:** 9/9/2024

**IDEML Sample #:** AC41432

**Water Flow Type** Run

**Water Appearance** Murky

**Water Depth**

Algae?

**Water Flow (cf/sec):**

Flow Estimated?  Aquatic Life?

**Canopy Closed %** 0-20%

**Sample Comments:**

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<b>Lab ID #:</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
	% Sat	134.5	%
	DO	12.06	mg/L
Specific Conductance (Field)	790	umho/cm	SM2510B
Temperature	20.6	°C	SM2550B(2)
Turbidity (Hach)	33.7	NTU	180.1
pH (Field)	8.32	SU	150.2
Air Temp	5	Lookup	Observation
Sky Conditions	1	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	1	Lookup	Observation
<b>Lab ID #:</b> AC41432	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	1	MPN/100mL	1

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

**SiteID:** WWL070-0003

**Sample Date:** 9/16/2024

**IDEML Sample #:** AC41450

**Water Flow Type** Run

**Water Appearance** Murky

**Water Depth**

Algae?

**Water Flow (cf/sec):**

Flow Estimated?  Aquatic Life?

**Canopy Closed %** 0-20%

**Sample Comments:**

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<b>Lab ID #:</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
	% Sat	113.8 %	ASTM D888-09(C)
	DO	9.5 mg/L	ASTM D888-09(C)
Specific Conductance (Field)	906 umho/cm		SM2510B
Temperature	24.4 °C		SM2550B(2)
Turbidity (Hach)	32.2 NTU		180.1
pH (Field)	8.23 SU		150.2
Air Temp	5 Lookup		Observation
Sky Conditions	1 Lookup		Observation
Wind Direction	27 Lookup		Observation
Wind Strength	1 Lookup		Observation
<b>Lab ID #:</b> AC41450	<b>Result</b>	<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6 MPN/100mL	2419.6	SM9223B
E. coli	2 MPN/100mL	1	SM9223B

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

**SiteID:** WWL070-0003      **Sample Date:** 9/23/2024      **IDEML Sample #:** AC41468  
**Water Flow Type** Run      **Water Appearance** Brown      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**  **Aquatic Life?** **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	96.9	%	ASTM D888-09(C)
	DO	8.15	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		972	umho/cm	SM2510B
Temperature		23.9	°C	SM2550B(2)
Turbidity (Hach)		26.6	NTU	180.1
pH (Field)		8.06	SU	150.2
Air Temp		4	Lookup	Observation
Sky Conditions		4	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		0	Lookup	Observation
<b>Lab ID #:</b> 50383292018	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	206	mg/L	10	SM2320B
Chloride	128	mg/L	2.5	300.0
Hardness (as CaCO3)	269	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	28.4	mg/L	5	SM2540D
Solids, Total (TS)	595	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	557	mg/L	10	SM2540C
Sulfate	120	mg/L	2.5	300.0
Calcium	62600	ug/L	1000	200.7
Magnesium	27400	ug/L	1000	200.7
COD	20.9	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.56	mg/L	0.1	353.2
Phosphorus, Total	.14	mg/L	0.05	365.1
TKN	1.3	mg/L	0.5	351.2
TOC	3.5	mg/L	1	SM5310C
<b>Lab ID #:</b> AC41468	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	7.4	MPN/100mL	1	SM9223B

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

**SiteID:** WWL070-0003      **Sample Date:** 10/14/2024      **IDEML Sample #:** AC42017  
**Water Flow Type** Run      **Water Appearance** Green      **Water Depth** \_\_\_\_\_  **Algae?**  
**Water Flow (cf/sec):** \_\_\_\_\_  **Flow Estimated?**  **Aquatic Life?** **Canopy Closed %** 0-20%  
**Sample Comments:** \_\_\_\_\_

<b>Lab ID #:</b>	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
	% Sat	106.9	%	ASTM D888-09(C)
	DO	10.44	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		803	umho/cm	SM2510B
Temperature		16.4	°C	SM2550B(2)
Turbidity (Hach)		26.5	NTU	180.1
pH (Field)		8.26	SU	150.2
Air Temp		3	Lookup	Observation
Sky Conditions		3	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		2	Lookup	Observation

  

<b>Lab ID #:</b> 50385159018	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Alkalinity (as CaCO3)	181	mg/L	10	SM2320B
Chloride	94.8	mg/L	2.5	300.0
Hardness (as CaCO3)	225	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	33.3	mg/L	8.3	SM2540D
Solids, Total (TS)	508	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	446	mg/L	10	SM2540C
Sulfate	82	mg/L	2.5	300.0
Calcium	52900	ug/L	1000	200.7
Magnesium	22600	ug/L	1000	200.7
COD	22.5	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	< .1	mg/L	0.1	353.2
Phosphorus, Total	.14	mg/L	0.05	365.1
TKN	.58	mg/L	0.5	351.2
TOC	3.2	mg/L	1	SM5310C

  

<b>Lab ID #:</b> AC42017	<b>Result</b>		<b>Reporting Limit</b>	<b>Method</b>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	14.2	MPN/100mL	1	SM9223B

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

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