

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

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

SiteID: WWL-08-0008	Sample Date: 5/21/2024	IDEM Sample #: AC40147	
Water Flow Type Flood	Water Appearance Murky	Water Depth	<input type="checkbox"/> Algae?
Water Flow (cf/sec):	<input type="checkbox"/> Flow Estimated?	<input type="checkbox"/> Aquatic Life?	Canopy Closed % 0-20%
Sample Comments:			

Lab ID #:	Result		Reporting Limit	Method
	% Sat	61.1	%	ASTM D888-09(C)
	DO	5.25	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		396.7	umho/cm	SM2510B
Temperature		22.9	°C	SM2550B(2)
Turbidity (Hach)		20	NTU	180.1
pH (Field)		7.59	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 #: 50373909008	Result		Reporting Limit	Method
Alkalinity (as CaCO ₃)	138	mg/L	10	SM2320B
Chloride	23.5	mg/L	2.5	300.0
Hardness (as CaCO ₃)	163	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	14.5	mg/L	3.4	SM2540D
Solids, Total (TS)	257	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	204	mg/L	10	SM2540C
Sulfate	26.6	mg/L	0.25	300.0
Calcium	45400	ug/L	1000	200.7
Magnesium	12000	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	2.6	mg/L	0.1	353.2
Phosphorus, Total	.15	mg/L	0.05	365.1
TKN	.83	mg/L	0.5	351.2
TOC	5.3	mg/L	1	SM5310C

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Lab ID #: AC40147	<u>Result</u>	<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	198.9	MPN/100mL	1

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

SiteID: WWL-08-0008 **Sample Date:** 6/18/2024 **IDEML Sample #:** AC40558
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	102.2	%	ASTM D888-09(C)
	DO	8.19	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		686	umho/cm	SM2510B
Temperature		26.6	°C	SM2550B(2)
Turbidity (Hach)		28.9	NTU	180.1
pH (Field)		8.07	SU	150.2
Air Temp		6	Lookup	Observation
Sky Conditions		4	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		1	Lookup	Observation

Lab ID #: 50376243011	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	306	mg/L	10	SM2320B
Chloride	22.7	mg/L	2.5	300.0
Hardness (as CaCO3)	549	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	10.4	mg/L	5	SM2540D
Solids, Total (TS)	1080	mg/L	20	SM2540B
Solids, Total Dissolved (TDS)	1040	mg/L	20	SM2540C
Sulfate	519	mg/L	25	300.0
Calcium	114000	ug/L	1000	200.7
Magnesium	64400	ug/L	1000	200.7
COD	22.7	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.66	mg/L	0.1	353.2
Phosphorus, Total	.16	mg/L	0.05	365.1
TKN	1.2	mg/L	0.5	351.2
TOC	4.3	mg/L	1	SM5310C

Lab ID #: AC40558	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	51.2	MPN/100mL	1	SM9223B

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Surface Water Results Summary**

SiteID: WWL-08-0008 **Sample Date:** 7/16/2024 **IDEML Sample #:** AC41066
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	126.5	%	ASTM D888-09(C)
	DO	9.83	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		538	umho/cm	SM2510B
Temperature		28.3	°C	SM2550B(2)
Turbidity (Hach)		14.9	NTU	180.1
pH (Field)		8.29	SU	150.2
Air Temp		5	Lookup	Observation
Sky Conditions		4	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		1	Lookup	Observation

Lab ID #: 50378215011	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	123	mg/L	10	SM2320B
Chloride	55.8	mg/L	2.5	300.0
Hardness (as CaCO3)	162	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	19.3	mg/L	2.9	SM2540D
Solids, Total (TS)	331	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	290	mg/L	10	SM2540C
Sulfate	60.7	mg/L	2.5	300.0
Calcium	38400	ug/L	1000	200.7
Magnesium	16100	ug/L	1000	200.7
COD	22.6	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.12	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	5.1	mg/L	1	SM5310C

Lab ID #: AC41066	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	43.9	MPN/100mL	1	SM9223B

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Weather Code Definitions					
SC Sky Conditions		WD Wind Direction		WS Wind Strength	AT Air Temp
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

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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

SiteID: WWL-08-0009 **Sample Date:** 5/21/2024 **IDEM Sample #:** AC40149
Water Flow Type Flood **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	69.4	%
	DO	5.95	mg/L
Specific Conductance (Field)	408.2	umho/cm	SM2510B
Temperature	23	°C	SM2550B(2)
Turbidity (Hach)	47.8	NTU	180.1
pH (Field)	7.63	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 #: 50373909006	Result	Reporting Limit	Method
Alkalinity (as CaCO3)	140	mg/L	10
Chloride	24.8	mg/L	2.5
Hardness (as CaCO3)	169	mg/L	10
Solids, Suspended Total, (TSS)	36.3	mg/L	3.6
Solids, Total (TS)	289	mg/L	10
Solids, Total Dissolved (TDS)	197	mg/L	10
Sulfate	28.6	mg/L	0.25
Calcium	46900	ug/L	1000
Magnesium	12600	ug/L	1000
COD	21.6	mg/L	10
Nitrogen, Ammonia	< .1	mg/L	0.1
Nitrogen, Nitrate+Nitrite	2.6	mg/L	0.1
Phosphorus, Total	.2	mg/L	0.05
TKN	1	mg/L	0.5
TOC	5.5	mg/L	1

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Lab ID #: AC40149	<u>Result</u>	<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	145.5	MPN/100mL	1

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

SiteID: WWL-08-0009 **Sample Date:** 6/18/2024 **IDEML Sample #:** AC40560
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	94	%	ASTM D888-09(C)
	DO	7.51	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		686	umho/cm	SM2510B
Temperature		26.8	°C	SM2550B(2)
Turbidity (Hach)		24.4	NTU	180.1
pH (Field)		7.99	SU	150.2
Air Temp		5	Lookup	Observation
Sky Conditions		4	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		1	Lookup	Observation
Lab ID #: 50376243009	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	218	mg/L	10	SM2320B
Chloride	61.4	mg/L	2.5	300.0
Hardness (as CaCO3)	267	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	41.6	mg/L	5	SM2540D
Solids, Total (TS)	386	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	355	mg/L	10	SM2540C
Sulfate	58.2	mg/L	2.5	300.0
Calcium	66100	ug/L	1000	200.7
Magnesium	24800	ug/L	1000	200.7
COD	24.4	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.72	mg/L	0.1	353.2
Phosphorus, Total	.11	mg/L	0.05	365.1
TKN	1.1	mg/L	0.5	351.2
TOC	3.5	mg/L	1	SM5310C
Lab ID #: AC40560	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	59.4	MPN/100mL	1	SM9223B

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

SiteID: WWL-08-0009 **Sample Date:** 7/16/2024 **IDEML Sample #:** AC41064
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	121.7	%	ASTM D888-09(C)
	DO	9.38	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		536	umho/cm	SM2510B
Temperature		28.8	°C	SM2550B(2)
Turbidity (Hach)		13.4	NTU	180.1
pH (Field)		8.23	SU	150.2
Air Temp		5	Lookup	Observation
Sky Conditions		4	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		1	Lookup	Observation
Lab ID #: 50378215009	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	120	mg/L	10	SM2320B
Chloride	60.8	mg/L	2.5	300.0
Hardness (as CaCO3)	152	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	23.8	mg/L	4.2	SM2540D
Solids, Total (TS)	315	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	286	mg/L	10	SM2540C
Sulfate	53.8	mg/L	2.5	300.0
Calcium	36100	ug/L	1000	200.7
Magnesium	15000	ug/L	1000	200.7
COD	25.4	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	.14	mg/L	0.05	365.1
TKN	1.3	mg/L	0.5	351.2
TOC	3.9	mg/L	1	SM5310C
Lab ID #: AC41064	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	16.6	MPN/100mL	1	SM9223B

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Weather Code Definitions					
SC Sky Conditions		WD Wind Direction		WS Wind Strength	AT Air Temp
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-08-0010 **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

SiteID: WWL-08-0010 **Sample Date:** 5/20/2024 **IDEM Sample #:** AC40157
Water Flow Type Flood **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	63.7	%	ASTM D888-09(C)
	DO	5.6	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	367.4	umho/cm		SM2510B
Temperature	21.7	°C		SM2550B(2)
Turbidity (Hach)	49.4	NTU		180.1
pH (Field)	7.37	SU		150.2
Air Temp	5	Lookup		Observation
Sky Conditions	2	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation

Lab ID #: 50373909004	Result		Reporting Limit	Method
Alkalinity (as CaCO ₃)	129	mg/L	10	SM2320B
Chloride	21.9	mg/L	2.5	300.0
Hardness (as CaCO ₃)	157	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	74.9	mg/L	4	SM2540D
Solids, Total (TS)	303	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	210	mg/L	10	SM2540C
Sulfate	22.1	mg/L	0.25	300.0
Calcium	43600	ug/L	1000	200.7
Magnesium	11600	ug/L	1000	200.7
COD	24.3	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	2.7	mg/L	0.1	353.2
Phosphorus, Total	.2	mg/L	0.05	365.1
TKN	.91	mg/L	0.5	351.2
TOC	5.4	mg/L	1	SM5310C

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Lab ID #: AC40157	<u>Result</u>	<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	248.9	MPN/100mL	1

**Indiana Department of Environmental Management
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SiteID: WWL-08-0010 **Sample Date:** 6/18/2024 **IDEML Sample #:** AC40568
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	88.3	%	ASTM D888-09(C)
	DO	7.12	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		688	umho/cm	SM2510B
Temperature		26.3	°C	SM2550B(2)
Turbidity (Hach)		31.3	NTU	180.1
pH (Field)		7.98	SU	150.2
Air Temp		5	Lookup	Observation
Sky Conditions		4	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		1	Lookup	Observation
Lab ID #: 50376243007	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	216	mg/L	10	SM2320B
Chloride	58.1	mg/L	2.5	300.0
Hardness (as CaCO3)	265	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	47.8	mg/L	5	SM2540D
Solids, Total (TS)	462	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	354	mg/L	10	SM2540C
Sulfate	54.4	mg/L	2.5	300.0
Calcium	66100	ug/L	1000	200.7
Magnesium	24400	ug/L	1000	200.7
COD	23.2	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.67	mg/L	0.1	353.2
Phosphorus, Total	.11	mg/L	0.05	365.1
TKN	.99	mg/L	0.5	351.2
TOC	3.8	mg/L	1	SM5310C
Lab ID #: AC40568	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	45	MPN/100mL	1	SM9223B

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Surface Water Results Summary**

SiteID: WWL-08-0010 **Sample Date:** 7/16/2024 **IDEML Sample #:** AC41077
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	113.8	%	ASTM D888-09(C)
	DO	8.8	mg/L	ASTM D888-09(C)
	Specific Conductance (Field)	515	umho/cm	SM2510B
	Temperature	28.6	°C	SM2550B(2)
	Turbidity (Hach)	14.8	NTU	180.1
	pH (Field)	8.13	SU	150.2
	Air Temp	4	Lookup	Observation
	Sky Conditions	7	Lookup	Observation
	Wind Direction	27	Lookup	Observation
	Wind Strength	2	Lookup	Observation
Lab ID #: 50378215007	Result		Reporting Limit	Method
	Alkalinity (as CaCO3)	119	mg/L	10
	Chloride	58	mg/L	2.5
	Hardness (as CaCO3)	150	mg/L	10
	Solids, Suspended Total, (TSS)	32	mg/L	5
	Solids, Total (TS)	310	mg/L	10
	Solids, Total Dissolved (TDS)	273	mg/L	10
	Sulfate	50.1	mg/L	2.5
	Calcium	35300	ug/L	1000
	Magnesium	15000	ug/L	1000
	COD	27.6	mg/L	10
	Nitrogen, Ammonia	< .1	mg/L	0.1
	Nitrogen, Nitrate+Nitrite	< .1	mg/L	0.1
	Phosphorus, Total	.14	mg/L	0.05
	TKN	1.3	mg/L	0.5
	TOC	3.8	mg/L	1
Lab ID #: AC41077	Result		Reporting Limit	Method
	Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
	E. coli	101	MPN/100mL	1

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Weather Code Definitions					
SC Sky Conditions		WD Wind Direction		WS Wind Strength	AT Air Temp
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-08-0011 **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

SiteID: WWL-08-0011 **Sample Date:** 6/18/2024 **IDEM Sample #:** AC40557
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	85.7	%	ASTM D888-09(C)
DO	7.7	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	842	umho/cm	SM2510B
Temperature	20.5	°C	SM2550B(2)
Turbidity (Hach)	6.42	NTU	180.1
pH (Field)	7.61	SU	150.2
Air Temp	6	Lookup	Observation
Sky Conditions	4	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	1	Lookup	Observation

Lab ID #: 50376243012	Result	Reporting Limit	Method
Alkalinity (as CaCO ₃)	266	mg/L	10
Chloride	23.8	mg/L	0.25
Hardness (as CaCO ₃)	413	mg/L	10
Solids, Suspended Total, (TSS)	8.5	mg/L	2.5
Solids, Total (TS)	557	mg/L	10
Solids, Total Dissolved (TDS)	509	mg/L	10
Sulfate	191	mg/L	2.5
Calcium	107000	ug/L	1000
Magnesium	35200	ug/L	1000
COD	10.8	mg/L	10
Nitrogen, Ammonia	< .1	mg/L	0.1
Nitrogen, Nitrate+Nitrite	1.3	mg/L	0.1
Phosphorus, Total	< .05	mg/L	0.05
TKN	< .5	mg/L	0.5
TOC	3.6	mg/L	1

**Indiana Department of Environmental Management
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Lab ID #: AC40557	<u>Result</u>	<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	613.1	MPN/100mL	1

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Surface Water Results Summary**

SiteID: WWL-08-0011 **Sample Date:** 7/16/2024 **IDEML Sample #:** AC41067
Water Flow Type Flood **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	71.3	%	ASTM D888-09(C)
	DO	6.1	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	359.1	umho/cm		SM2510B
Temperature	23.1	°C		SM2550B(2)
Turbidity (Hach)	492	NTU		180.1
pH (Field)	7.33	SU		150.2
Air Temp	5	Lookup		Observation
Sky Conditions	4	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation
Lab ID #: 50378215012	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	89	mg/L	10	SM2320B
Chloride	26.5	mg/L	2.5	300.0
Hardness (as CaCO3)	140	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	454	mg/L	25	SM2540D
Solids, Total (TS)	704	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	229	mg/L	10	SM2540C
Sulfate	49	mg/L	0.25	300.0
Calcium	38000	ug/L	1000	200.7
Magnesium	10900	ug/L	1000	200.7
COD	37.7	mg/L	10	410.4
Nitrogen, Ammonia	.28	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	2.4	mg/L	0.1	353.2
Phosphorus, Total	.8	mg/L	0.05	365.1
TKN	3	mg/L	0.5	351.2
TOC	8.6	mg/L	1	SM5310C
Lab ID #: AC41067b	Result		Reporting Limit	Method
Coliforms (Total)	> 241960	MPN/100mL	241960	SM9223B
E. coli	13540	MPN/100mL	100	SM9223B

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

Weather Code Definitions					
SC Sky Conditions		WD Wind Direction		WS Wind Strength	AT Air Temp
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

SiteID: WWL-08-0012 **Sample Date:** 5/21/2024 **IDEM Sample #:** AC40145
Water Flow Type Flood **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	62.8	%	ASTM D888-09(C)
	DO	5.34	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		504	umho/cm	SM2510B
Temperature		23.4	°C	SM2550B(2)
Turbidity (Hach)		11.7	NTU	180.1
pH (Field)		7.29	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 #: 50373909009	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	138	mg/L	10	SM2320B
Chloride	20.1	mg/L	2.5	300.0
Hardness (as CaCO3)	206	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	8.9	mg/L	2.5	SM2540D
Solids, Total (TS)	321	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	275	mg/L	10	SM2540C
Sulfate	71.5	mg/L	2.5	300.0
Calcium	53000	ug/L	1000	200.7
Magnesium	18000	ug/L	1000	200.7
COD	25.1	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	3.6	mg/L	0.1	353.2
Phosphorus, Total	.14	mg/L	0.05	365.1
TKN	.97	mg/L	0.5	351.2
TOC	5.8	mg/L	1	SM5310C

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

Lab ID #: AC40145	<u>Result</u>	<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	93.4	MPN/100mL	1

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

SiteID: WWL-08-0012 **Sample Date:** 6/18/2024 **IDEML Sample #:** AC40556
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	91.4	%	ASTM D888-09(C)
	DO	7.87	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		986	umho/cm	SM2510B
Temperature		22.6	°C	SM2550B(2)
Turbidity (Hach)		8.43	NTU	180.1
pH (Field)		7.59	SU	150.2
Air Temp		6	Lookup	Observation
Sky Conditions		4	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		1	Lookup	Observation
Lab ID #: 50376243013	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	266	mg/L	10	SM2320B
Chloride	22.5	mg/L	0.25	300.0
Hardness (as CaCO3)	469	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	3.2	mg/L	2.5	SM2540D
Solids, Total (TS)	662	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	667	mg/L	10	SM2540C
Sulfate	288	mg/L	2.5	300.0
Calcium	121000	ug/L	1000	200.7
Magnesium	40400	ug/L	1000	200.7
COD	11.8	mg/L	10	410.4
Nitrogen, Ammonia	.14	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.52	mg/L	0.1	353.2
Phosphorus, Total	< .05	mg/L	0.05	365.1
TKN	.53	mg/L	0.5	351.2
TOC	3.6	mg/L	1	SM5310C
Lab ID #: AC40556	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	770.1	MPN/100mL	1	SM9223B

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

SiteID: WWL-08-0012 **Sample Date:** 7/16/2024 **IDEML Sample #:** AC41068
Water Flow Type Flood **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	69.8	%	ASTM D888-09(C)
	DO	6.02	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		625	umho/cm	SM2510B
Temperature		22.6	°C	SM2550B(2)
Turbidity (Hach)		69.3	NTU	180.1
pH (Field)		7.31	SU	150.2
Air Temp		5	Lookup	Observation
Sky Conditions		4	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		1	Lookup	Observation
Lab ID #: 50378215013	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	162	mg/L	10	SM2320B
Chloride	13	mg/L	0.25	300.0
Hardness (as CaCO3)	287	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	101	mg/L	8.3	SM2540D
Solids, Total (TS)	526	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	401	mg/L	10	SM2540C
Sulfate	151	mg/L	2.5	300.0
Calcium	74600	ug/L	1000	200.7
Magnesium	24500	ug/L	1000	200.7
COD	16.6	mg/L	10	410.4
Nitrogen, Ammonia	.11	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	1.6	mg/L	0.1	353.2
Phosphorus, Total	.27	mg/L	0.05	365.1
TKN	1.1	mg/L	0.5	351.2
TOC	4.2	mg/L	1	SM5310C
Lab ID #: AC41068	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	1203.3	MPN/100mL	1	SM9223B

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

Weather Code Definitions					
SC Sky Conditions		WD Wind Direction		WS Wind Strength	AT Air Temp
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

SiteID: WWL-08-0013 **Sample Date:** 5/20/2024 **IDEM Sample #:** AC40144
Water Flow Type Flood **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	80	%	ASTM D888-09(C)
	DO	7.23	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		589	umho/cm	SM2510B
Temperature		20.2	°C	SM2550B(2)
Turbidity (Hach)		22.1	NTU	180.1
pH (Field)		7.41	SU	150.2
Air Temp		6	Lookup	Observation
Sky Conditions		2	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		1	Lookup	Observation

Lab ID #: 50373909010	Result		Reporting Limit	Method
Alkalinity (as CaCO ₃)	169	mg/L	10	SM2320B
Chloride	30.6	mg/L	2.5	300.0
Hardness (as CaCO ₃)	249	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	6.9	mg/L	2.5	SM2540D
Solids, Total (TS)	366	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	335	mg/L	10	SM2540C
Sulfate	73.1	mg/L	2.5	300.0
Calcium	62600	ug/L	1000	200.7
Magnesium	22400	ug/L	1000	200.7
COD	10.2	mg/L	10	410.4
Nitrogen, Ammonia	.13	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	5.8	mg/L	0.2	353.2
Phosphorus, Total	.15	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	3.2	mg/L	1	SM5310C

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

Lab ID #: AC40144	<u>Result</u>	<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	980.4	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:** 6/18/2024 **IDEML Sample #:** AC40555
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	90.6	%	ASTM D888-09(C)
	DO	7.63	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	1032	umho/cm		SM2510B
Temperature	23.8	°C		SM2550B(2)
Turbidity (Hach)	3.84	NTU		180.1
pH (Field)	7.56	SU		150.2
Air Temp	6	Lookup		Observation
Sky Conditions	4	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation
Lab ID #: 50376243014	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	251	mg/L	10	SM2320B
Chloride	45.1	mg/L	2.5	300.0
Hardness (as CaCO3)	390	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	5.9	mg/L	2.5	SM2540D
Solids, Total (TS)	669	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	669	mg/L	10	SM2540C
Sulfate	243	mg/L	2.5	300.0
Calcium	96700	ug/L	1000	200.7
Magnesium	36000	ug/L	1000	200.7
COD	13.8	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	5.5	mg/L	0.4	353.2
Phosphorus, Total	.17	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	4.2	mg/L	1	SM5310C
Lab ID #: AC40555	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	816.4	MPN/100mL	1	SM9223B

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

SiteID: WWL-08-0013 **Sample Date:** 7/16/2024 **IDEML Sample #:** AC41069
Water Flow Type Flood **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	79.8	%	ASTM D888-09(C)
	DO	6.84	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	279.1	umho/cm		SM2510B
Temperature	23	°C		SM2550B(2)
Turbidity (Hach)	347	NTU		180.1
pH (Field)	7.22	SU		150.2
Air Temp	5	Lookup		Observation
Sky Conditions	4	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation
Lab ID #: 50378215014	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	72	mg/L	10	SM2320B
Chloride	14	mg/L	0.25	300.0
Hardness (as CaCO3)	115	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	83.2	mg/L	10	SM2540D
Solids, Total (TS)	425	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	205	mg/L	10	SM2540C
Sulfate	33.8	mg/L	0.25	300.0
Calcium	31200	ug/L	1000	200.7
Magnesium	9050	ug/L	1000	200.7
COD	37.2	mg/L	10	410.4
Nitrogen, Ammonia	.18	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	3.8	mg/L	0.1	353.2
Phosphorus, Total	.66	mg/L	0.05	365.1
TKN	2.6	mg/L	0.5	351.2
TOC	10.6	mg/L	1	SM5310C
Lab ID #: AC41069	Result		Reporting Limit	Method
Coliforms (Total)	1011.2	MPN/100mL	1	SM9223B
E. coli	1011.2	MPN/100mL	1	SM9223B

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

Weather Code Definitions					
SC Sky Conditions		WD Wind Direction		WS Wind Strength	AT Air Temp
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

SiteID: WWL-08-0015 **Sample Date:** 6/17/2024 **IDEM Sample #:** AC40567
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	118.8	%	ASTM D888-09(C)
	DO	9.42	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		664	umho/cm	SM2510B
Temperature		27.2	°C	SM2550B(2)
Turbidity (Hach)		29.1	NTU	180.1
pH (Field)		8.08	SU	150.2
Air Temp		6	Lookup	Observation
Sky Conditions		2	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		1	Lookup	Observation

Lab ID #: 50376243001	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	213	mg/L	10	SM2320B
Chloride	59.2	mg/L	2.5	300.0
Hardness (as CaCO3)	259	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	50	mg/L	5	SM2540D
Solids, Total (TS)	385	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	321	mg/L	10	SM2540C
Sulfate	47.5	mg/L	2.5	300.0
Calcium	63800	ug/L	1000	200.7
Magnesium	24200	ug/L	1000	200.7
COD	21.3	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.77	mg/L	0.1	353.2
Phosphorus, Total	.092	mg/L	0.05	365.1
TKN	1.1	mg/L	0.5	351.2
TOC	3.8	mg/L	1	SM5310C

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

Lab ID #: AC40567	<u>Result</u>	<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	24.1	MPN/100mL	1

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

SiteID: WWL-08-0015 **Sample Date:** 7/15/2024 **IDEML Sample #:** AC41071
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	152.1	%	ASTM D888-09(C)
	DO	11.58	mg/L	ASTM D888-09(C)
	Specific Conductance (Field)	617	umho/cm	SM2510B
	Temperature	29.5	°C	SM2550B(2)
	Turbidity (Hach)	12.7	NTU	180.1
	pH (Field)	8.57	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 #: 50378215001	Result		Reporting Limit	Method
	Alkalinity (as CaCO3)	162	mg/L	SM2320B
	Chloride	68.7	mg/L	300.0
	Hardness (as CaCO3)	196	mg/L	10
	Solids, Suspended Total, (TSS)	23.9	mg/L	2.5
	Solids, Total (TS)	360	mg/L	SM2540D
	Solids, Total Dissolved (TDS)	342	mg/L	SM2540B
	Sulfate	49.9	mg/L	2.5
	Calcium	51300	ug/L	1000
	Magnesium	16600	ug/L	200.7
	COD	26	mg/L	10
	Nitrogen, Ammonia	< .1	mg/L	410.4
	Nitrogen, Nitrate+Nitrite	.73	mg/L	0.1
	Phosphorus, Total	.16	mg/L	350.1
	TKN	1.1	mg/L	0.05
	TOC	3.9	mg/L	365.1
			0.5	351.2
			1	SM5310C
Lab ID #: AC41071	Result		Reporting Limit	Method
	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**

Weather Code Definitions					
SC Sky Conditions		WD Wind Direction		WS Wind Strength	AT Air Temp
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

SiteID: WWL-08-0016 **Sample Date:** 6/17/2024 **IDEM Sample #:** AC40565
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	138	%		ASTM D888-09(C)
DO	10.51	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	635	umho/cm		SM2510B
Temperature	29.5	°C		SM2550B(2)
Turbidity (Hach)	36.8	NTU		180.1
pH (Field)	8.16	SU		150.2
Air Temp	6	Lookup		Observation
Sky Conditions	3	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation

Lab ID #: 50376243003	Result		Reporting Limit	Method
Alkalinity (as CaCO ₃)	210	mg/L	10	SM2320B
Chloride	60.8	mg/L	2.5	300.0
Hardness (as CaCO ₃)	259	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	50.2	mg/L	5	SM2540D
Solids, Total (TS)	396	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	345	mg/L	10	SM2540C
Sulfate	47.3	mg/L	2.5	300.0
Calcium	63800	ug/L	1000	200.7
Magnesium	24100	ug/L	1000	200.7
COD	23.8	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.81	mg/L	0.1	353.2
Phosphorus, Total	.088	mg/L	0.05	365.1
TKN	1.1	mg/L	0.5	351.2
TOC	4.3	mg/L	1	SM5310C

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

Lab ID #: AC40565	<u>Result</u>	<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	24.3	MPN/100mL	1

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

SiteID: WWL-08-0016 **Sample Date:** 7/15/2024 **IDEML Sample #:** AC41073
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	211.5	%	ASTM D888-09(C)
	DO	15.81	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		590	umho/cm	SM2510B
Temperature		30.5	°C	SM2550B(2)
Turbidity (Hach)		12.7	NTU	180.1
pH (Field)		8.83	SU	150.2
Air Temp		6	Lookup	Observation
Sky Conditions		2	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		1	Lookup	Observation
Lab ID #: 50378215003	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	153	mg/L	10	SM2320B
Chloride	67.2	mg/L	2.5	300.0
Hardness (as CaCO3)	185	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	19.8	mg/L	3.8	SM2540D
Solids, Total (TS)	347	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	327	mg/L	10	SM2540C
Sulfate	48.9	mg/L	2.5	300.0
Calcium	48300	ug/L	1000	200.7
Magnesium	15700	ug/L	1000	200.7
COD	26.9	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.61	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	4.3	mg/L	1	SM5310C
Lab ID #: AC41073	Result		Reporting Limit	Method
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**

Weather Code Definitions					
SC Sky Conditions		WD Wind Direction		WS Wind Strength	AT Air Temp
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

SiteID: WWL-08-0017 **Sample Date:** 6/17/2024 **IDEM Sample #:** AC40564
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	76.3	%	ASTM D888-09(C)
	DO	6.68	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		1130	umho/cm	SM2510B
Temperature		21.7	°C	SM2550B(2)
Turbidity (Hach)		6.7	NTU	180.1
pH (Field)		7.56	SU	150.2
Air Temp		6	Lookup	Observation
Sky Conditions		2	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		1	Lookup	Observation

Lab ID #: 50376243002	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	267	mg/L	10	SM2320B
Chloride	18.2	mg/L	0.25	300.0
Hardness (as CaCO3)	498	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	7.4	mg/L	2.5	SM2540D
Solids, Total (TS)	802	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	722	mg/L	10	SM2540C
Sulfate	345	mg/L	2.5	300.0
Calcium	111000	ug/L	1000	200.7
Magnesium	53500	ug/L	1000	200.7
COD	< 10	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.38	mg/L	0.1	353.2
Phosphorus, Total	.064	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	3.2	mg/L	1	SM5310C

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

Lab ID #: AC40564	<u>Result</u>	<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	275.5	MPN/100mL	1

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

SiteID: WWL-08-0017 **Sample Date:** 7/15/2024 **IDEML Sample #:** AC41072
Water Flow Type Pool **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	41.8	%	ASTM D888-09(C)
	DO	3.47	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	1289	umho/cm		SM2510B
Temperature	24.6	°C		SM2550B(2)
Turbidity (Hach)	22.2	NTU		180.1
pH (Field)	7.48	SU		150.2
Air Temp	6	Lookup		Observation
Sky Conditions	2	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation
Lab ID #: 50378215002	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	244	mg/L	10	SM2320B
Chloride	30.3	mg/L	2.5	300.0
Hardness (as CaCO3)	446	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	16.1	mg/L	3.6	SM2540D
Solids, Total (TS)	942	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	892	mg/L	10	SM2540C
Sulfate	465	mg/L	2.5	300.0
Calcium	91000	ug/L	1000	200.7
Magnesium	53200	ug/L	1000	200.7
COD	21.8	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.23	mg/L	0.1	353.2
Phosphorus, Total	.13	mg/L	0.05	365.1
TKN	.99	mg/L	0.5	351.2
TOC	3.4	mg/L	1	SM5310C
Lab ID #: AC41072	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	47.4	MPN/100mL	1	SM9223B

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

Weather Code Definitions					
SC Sky Conditions		WD Wind Direction		WS Wind Strength	AT Air Temp
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

SiteID: WWL-08-0018 **Sample Date:** 5/20/2024 **IDEM Sample #:** AC40158
Water Flow Type Flood **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	66.5	%
	DO	5.74	mg/L
Specific Conductance (Field)	796	umho/cm	SM2510B
Temperature	22.6	°C	SM2550B(2)
Turbidity (Hach)	13.2	NTU	180.1
pH (Field)	7.29	SU	150.2
Air Temp	6	Lookup	Observation
Sky Conditions	3	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	1	Lookup	Observation

Lab ID #: 50373909011	Result	Reporting Limit	Method
Alkalinity (as CaCO3)	169	mg/L	10
Chloride	19.9	mg/L	0.25
Hardness (as CaCO3)	392	mg/L	10
Solids, Suspended Total, (TSS)	9.3	mg/L	2.5
Solids, Total (TS)	603	mg/L	10
Solids, Total Dissolved (TDS)	542	mg/L	10
Sulfate	246	mg/L	2.5
Calcium	95400	ug/L	1000
Magnesium	37400	ug/L	1000
COD	20.4	mg/L	10
Nitrogen, Ammonia	.13	mg/L	0.1
Nitrogen, Nitrate+Nitrite	2.5	mg/L	0.1
Phosphorus, Total	.14	mg/L	0.05
TKN	.8	mg/L	0.5
TOC	5.2	mg/L	1

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

Lab ID #: AC40158	<u>Result</u>	<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	298.7	MPN/100mL	1

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

SiteID: WWL-08-0018 **Sample Date:** 6/18/2024 **IDEML Sample #:** AC40569
Water Flow Type Glide **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	80.2	%	ASTM D888-09(C)
	DO	6.97	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	1078	umho/cm		SM2510B
Temperature	22.2	°C		SM2550B(2)
Turbidity (Hach)	7.4	NTU		180.1
pH (Field)	7.47	SU		150.2
Air Temp	5	Lookup		Observation
Sky Conditions	4	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	2	Lookup		Observation

Lab ID #: 50376243015	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	218	mg/L	10	SM2320B
Chloride	19.6	mg/L	0.25	300.0
Hardness (as CaCO3)	589	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	3.4	mg/L	2.5	SM2540D
Solids, Total (TS)	831	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	774	mg/L	10	SM2540C
Sulfate	430	mg/L	2.5	300.0
Calcium	152000	ug/L	1000	200.7
Magnesium	51100	ug/L	1000	200.7
COD	10.7	mg/L	10	410.4
Nitrogen, Ammonia	.14	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.85	mg/L	0.1	353.2
Phosphorus, Total	.058	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	3.6	mg/L	1	SM5310C

Lab ID #: AC40569	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	344.8	MPN/100mL	1	SM9223B

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

SiteID: WWL-08-0018 **Sample Date:** 7/16/2024 **IDEML Sample #:** AC41070
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	65.7	%	ASTM D888-09(C)
	DO	5.61	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	508	umho/cm		SM2510B
Temperature	23.2	°C		SM2550B(2)
Turbidity (Hach)	119	NTU		180.1
pH (Field)	7.18	SU		150.2
Air Temp	5	Lookup		Observation
Sky Conditions	4	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation

Lab ID #: 50378215015	Result		Reporting Limit	Method
Alkalinity (as CaCO ₃)	75.6	mg/L	10	SM2320B
Chloride	14.9	mg/L	0.25	300.0
Hardness (as CaCO ₃)	210	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	116	mg/L	16.7	SM2540D
Solids, Total (TS)	438	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	332	mg/L	10	SM2540C
Sulfate	123	mg/L	2.5	300.0
Calcium	55800	ug/L	1000	200.7
Magnesium	17100	ug/L	1000	200.7
COD	31.4	mg/L	10	410.4
Nitrogen, Ammonia	2.3	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	7.4	mg/L	0.2	353.2
Phosphorus, Total	.55	mg/L	0.05	365.1
TKN	4.5	mg/L	0.5	351.2
TOC	9.3	mg/L	1	SM5310C

Lab ID #: AC41070b	Result		Reporting Limit	Method
Coliforms (Total)	> 241960	MPN/100mL	241960	SM9223B
E. coli	5880	MPN/100mL	100	SM9223B

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

Weather Code Definitions					
SC Sky Conditions		WD Wind Direction		WS Wind Strength	AT Air Temp
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

SiteID: WWL-08-0019 **Sample Date:** 5/20/2024 **IDEM Sample #:** AC40151
Water Flow Type Flood **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	137.6	%
	DO	11.11	mg/L
Specific Conductance (Field)	1124	umho/cm	SM2510B
Temperature	26.1	°C	SM2550B(2)
Turbidity (Hach)	17.4	NTU	180.1
pH (Field)	8.14	SU	150.2
Air Temp	6	Lookup	Observation
Sky Conditions	4	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	1	Lookup	Observation

Lab ID #: 50373909002	Result	Reporting Limit	Method
Alkalinity (as CaCO ₃)	195	mg/L	10
Chloride	21.6	mg/L	0.25
Hardness (as CaCO ₃)	439	mg/L	10
Solids, Suspended Total, (TSS)	15.1	mg/L	2.5
Solids, Total (TS)	835	mg/L	10
Solids, Total Dissolved (TDS)	763	mg/L	10
Sulfate	430	mg/L	2.5
Calcium	90200	ug/L	1000
Magnesium	51900	ug/L	1000
COD	26.9	mg/L	10
Nitrogen, Ammonia	< .1	mg/L	0.1
Nitrogen, Nitrate+Nitrite	3.3	mg/L	0.1
Phosphorus, Total	.11	mg/L	0.05
TKN	< .5	mg/L	0.5
TOC	6.1	mg/L	1

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

Lab ID #: AC40151	<u>Result</u>	<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	146.7	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:** 6/17/2024 **IDEML Sample #:** AC40562
Water Flow Type Glide **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	171.4	%	ASTM D888-09(C)
	DO	12.69	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	2350	umho/cm		SM2510B
Temperature	30.8	°C		SM2550B(2)
Turbidity (Hach)	3.89	NTU		180.1
pH (Field)	8.17	SU		150.2
Air Temp	6	Lookup		Observation
Sky Conditions	3	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	2	Lookup		Observation
Lab ID #: 50376243005	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	351	mg/L	10	SM2320B
Chloride	16.8	mg/L	0.25	300.0
Hardness (as CaCO3)	931	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	9.2	mg/L	2.5	SM2540D
Solids, Total (TS)	1910	mg/L	20	SM2540B
Solids, Total Dissolved (TDS)	1670	mg/L	20	SM2540C
Sulfate	1060	mg/L	25	300.0
Calcium	167000	ug/L	1000	200.7
Magnesium	125000	ug/L	1000	200.7
COD	12.7	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	.063	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	5.4	mg/L	1	SM5310C
Lab ID #: AC40562	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	547.5	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:** 7/15/2024 **IDEML Sample #:** AC41075
Water Flow Type Glide **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	172.5	%	ASTM D888-09(C)
	DO	12.4	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	2402	umho/cm		SM2510B
Temperature	32.6	°C		SM2550B(2)
Turbidity (Hach)	11.3	NTU		180.1
pH (Field)	8.17	SU		150.2
Air Temp	6	Lookup		Observation
Sky Conditions	3	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation

Lab ID #: 50378215005	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	329	mg/L	10	SM2320B
Chloride	18	mg/L	0.25	300.0
Hardness (as CaCO3)	912	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	14.1	mg/L	2.5	SM2540D
Solids, Total (TS)	2070	mg/L	20	SM2540B
Solids, Total Dissolved (TDS)	1850	mg/L	20	SM2540C
Sulfate	1090	mg/L	25	300.0
Calcium	157000	ug/L	1000	200.7
Magnesium	127000	ug/L	1000	200.7
COD	12.1	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	.073	mg/L	0.05	365.1
TKN	.54	mg/L	0.5	351.2
TOC	3.7	mg/L	1	SM5310C

Lab ID #: AC41075	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	224.7	MPN/100mL	1	SM9223B

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

Weather Code Definitions					
SC Sky Conditions		WD Wind Direction		WS Wind Strength	AT Air Temp
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

SiteID: WWL-08-0020 **Sample Date:** 5/20/2024 **IDEM Sample #:** AC40143
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	145.1	%	ASTM D888-09(C)
	DO	11.17	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		1668	umho/cm	SM2510B
Temperature		28.7	°C	SM2550B(2)
Turbidity (Hach)		36.8	NTU	180.1
pH (Field)		8.05	SU	150.2
Air Temp		5	Lookup	Observation
Sky Conditions		3	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		2	Lookup	Observation

Lab ID #: 50373909003	Result		Reporting Limit	Method
Alkalinity (as CaCO ₃)	347	mg/L	10	SM2320B
Chloride	9.7	mg/L	0.25	300.0
Hardness (as CaCO ₃)	1010	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	51.2	mg/L	2.5	SM2540D
Solids, Total (TS)	1570	mg/L	20	SM2540B
Solids, Total Dissolved (TDS)	1400	mg/L	20	SM2540C
Sulfate	755	mg/L	25	300.0
Calcium	191000	ug/L	1000	200.7
Magnesium	129000	ug/L	1000	200.7
COD	14.6	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	.11	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	3.7	mg/L	1	SM5310C

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

Lab ID #: AC40143	<u>Result</u>	<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	32.3	MPN/100mL	1

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

SiteID: WWL-08-0020 **Sample Date:** 6/17/2024 **IDEML Sample #:** AC40572
Water Flow Type Glide **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	144.4	%	ASTM D888-09(C)
	DO	10.22	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	2615	umho/cm		SM2510B
Temperature	33.5	°C		SM2550B(2)
Turbidity (Hach)	20.6	NTU		180.1
pH (Field)	7.9	SU		150.2
Air Temp	6	Lookup		Observation
Sky Conditions	4	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation

Lab ID #: 50376243006	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	384	mg/L	10	SM2320B
Chloride	14.5	mg/L	0.25	300.0
Hardness (as CaCO3)	1070	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	32.5	mg/L	2.5	SM2540D
Solids, Total (TS)	2250	mg/L	20	SM2540B
Solids, Total Dissolved (TDS)	2060	mg/L	20	SM2540C
Sulfate	1230	mg/L	25	300.0
Calcium	189000	ug/L	1000	200.7
Magnesium	145000	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	< .05	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	3.8	mg/L	1	SM5310C

Lab ID #: AC40572	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	116.9	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:** 7/15/2024 **IDEML Sample #:** AC41076
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	168	%	ASTM D888-09(C)
	DO	11.51	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		2631	umho/cm	SM2510B
Temperature		35.4	°C	SM2550B(2)
Turbidity (Hach)		8.2	NTU	180.1
pH (Field)		7.86	SU	150.2
Air Temp		6	Lookup	Observation
Sky Conditions		2	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		1	Lookup	Observation
Lab ID #: 50378215006	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	364	mg/L	10	SM2320B
Chloride	14.1	mg/L	0.25	300.0
Hardness (as CaCO3)	1110	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	14.2	mg/L	2.5	SM2540D
Solids, Total (TS)	2170	mg/L	20	SM2540B
Solids, Total Dissolved (TDS)	2040	mg/L	20	SM2540C
Sulfate	1170	mg/L	25	300.0
Calcium	193000	ug/L	1000	200.7
Magnesium	153000	ug/L	1000	200.7
COD	10.1	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	.051	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	2.4	mg/L	1	SM5310C
Lab ID #: AC41076	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	33.2	MPN/100mL	1	SM9223B

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

Weather Code Definitions					
SC Sky Conditions		WD Wind Direction		WS Wind Strength	AT Air Temp
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

SiteID: WWL-08-0021 **Sample Date:** 5/21/2024 **IDEM Sample #:** AC40148
Water Flow Type Flood **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	35.3	%
	DO	3.12	mg/L
Specific Conductance (Field)	880	umho/cm	SM2510B
Temperature	21.3	°C	SM2550B(2)
Turbidity (Hach)	9.61	NTU	180.1
pH (Field)	7.27	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 #: 50373909007	Result	Reporting Limit	Method
Alkalinity (as CaCO3)	132	mg/L	10
Chloride	21.2	mg/L	2.5
Hardness (as CaCO3)	171	mg/L	10
Solids, Suspended Total, (TSS)	5.9	mg/L	2.5
Solids, Total (TS)	292	mg/L	10
Solids, Total Dissolved (TDS)	239	mg/L	10
Sulfate	67.6	mg/L	2.5
Calcium	44300	ug/L	1000
Magnesium	14600	ug/L	1000
COD	23.8	mg/L	10
Nitrogen, Ammonia	.4	mg/L	0.1
Nitrogen, Nitrate+Nitrite	2.5	mg/L	0.1
Phosphorus, Total	.18	mg/L	0.05
TKN	1.6	mg/L	0.5
TOC	7.3	mg/L	1

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

Lab ID #: AC40148	<u>Result</u>	<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	1203.3	MPN/100mL	1

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

SiteID: WWL-08-0021 **Sample Date:** 6/18/2024 **IDEML Sample #:** AC40559
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	63.5	%	ASTM D888-09(C)
	DO	5.48	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	1411	umho/cm		SM2510B
Temperature	22.5	°C		SM2550B(2)
Turbidity (Hach)	5.62	NTU		180.1
pH (Field)	7.08	SU		150.2
Air Temp	6	Lookup		Observation
Sky Conditions	4	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation
Lab ID #: 50376243010	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	219	mg/L	10	SM2320B
Chloride	61.3	mg/L	2.5	300.0
Hardness (as CaCO3)	252	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	41.4	mg/L	5	SM2540D
Solids, Total (TS)	387	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	356	mg/L	10	SM2540C
Sulfate	57.9	mg/L	2.5	300.0
Calcium	62700	ug/L	1000	200.7
Magnesium	23300	ug/L	1000	200.7
COD	16.9	mg/L	10	410.4
Nitrogen, Ammonia	.11	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.23	mg/L	0.1	353.2
Phosphorus, Total	.05	mg/L	0.05	365.1
TKN	.63	mg/L	0.5	351.2
TOC	5.1	mg/L	1	SM5310C
Lab ID #: AC40559	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	980.4	MPN/100mL	1	SM9223B

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

SiteID: WWL-08-0021 **Sample Date:** 7/16/2024 **IDEML Sample #:** AC41065
Water Flow Type Flood **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	79.1	%	ASTM D888-09(C)
	DO	6.69	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		889	umho/cm	SM2510B
Temperature		23.6	°C	SM2550B(2)
Turbidity (Hach)		224	NTU	180.1
pH (Field)		7.55	SU	150.2
Air Temp		5	Lookup	Observation
Sky Conditions		4	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		1	Lookup	Observation
Lab ID #: 50378215010	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	120	mg/L	10	SM2320B
Chloride	10.6	mg/L	0.25	300.0
Hardness (as CaCO3)	294	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	84.6	mg/L	5	SM2540D
Solids, Total (TS)	784	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	624	mg/L	10	SM2540C
Sulfate	347	mg/L	2.5	300.0
Calcium	59400	ug/L	1000	200.7
Magnesium	35400	ug/L	1000	200.7
COD	30.3	mg/L	10	410.4
Nitrogen, Ammonia	.13	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.65	mg/L	0.1	353.2
Phosphorus, Total	.41	mg/L	0.05	365.1
TKN	1.9	mg/L	0.5	351.2
TOC	8.5	mg/L	1	SM5310C
Lab ID #: AC41065b	Result		Reporting Limit	Method
Coliforms (Total)	> 241960	MPN/100mL	241960	SM9223B
E. coli	14670	MPN/100mL	100	SM9223B

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

Weather Code Definitions					
SC Sky Conditions		WD Wind Direction		WS Wind Strength	AT Air Temp
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

SiteID: WWL-08-0022 **Sample Date:** 5/21/2024 **IDEM Sample #:** AC40150
Water Flow Type Flood **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	87.8	%	ASTM D888-09(C)
	DO	7.84	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		509	umho/cm	SM2510B
Temperature		20.9	°C	SM2550B(2)
Turbidity (Hach)		5.09	NTU	180.1
pH (Field)		7.14	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 #: 50373909005	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	75.4	mg/L	10	SM2320B
Chloride	21	mg/L	2.5	300.0
Hardness (as CaCO3)	218	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	5.9	mg/L	2.5	SM2540D
Solids, Total (TS)	354	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	295	mg/L	10	SM2540C
Sulfate	122	mg/L	2.5	300.0
Calcium	55500	ug/L	1000	200.7
Magnesium	19400	ug/L	1000	200.7
COD	12.4	mg/L	10	410.4
Nitrogen, Ammonia	.26	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	3.5	mg/L	0.1	353.2
Phosphorus, Total	< .05	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	3.2	mg/L	1	SM5310C

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

Lab ID #: AC40150	<u>Result</u>	<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	> 2419.6	MPN/100mL	2419.6

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

SiteID: WWL-08-0022 **Sample Date:** 6/18/2024 **IDEML Sample #:** AC40561
Water Flow Type Pool **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	75.4	%	ASTM D888-09(C)
	DO	6.48	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		666	umho/cm	SM2510B
Temperature		22.8	°C	SM2550B(2)
Turbidity (Hach)		8.01	NTU	180.1
pH (Field)		7.19	SU	150.2
Air Temp		5	Lookup	Observation
Sky Conditions		4	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		1	Lookup	Observation
Lab ID #: 50376243008	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	67.6	mg/L	10	SM2320B
Chloride	27.6	mg/L	2.5	300.0
Hardness (as CaCO3)	307	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	7.4	mg/L	2.5	SM2540D
Solids, Total (TS)	439	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	423	mg/L	10	SM2540C
Sulfate	243	mg/L	2.5	300.0
Calcium	77400	ug/L	1000	200.7
Magnesium	27500	ug/L	1000	200.7
COD	11.7	mg/L	10	410.4
Nitrogen, Ammonia	.19	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	1.6	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
Lab ID #: AC40561	Result		Reporting Limit	Method
E. coli	261.3	MPN/100mL	1	SM9223B

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

Lab ID #: AC40561b	<u>Result</u>	<u>Reporting Limit</u>	<u>Method</u>	
Coliforms (Total)	11870	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:** 7/16/2024 **IDEML Sample #:** AC41078
Water Flow Type Flood **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	89	%	ASTM D888-09(C)
	DO	7.67	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	248.1	umho/cm		SM2510B
Temperature	22.7	°C		SM2550B(2)
Turbidity (Hach)	35.8	NTU		180.1
pH (Field)	7.05	SU		150.2
Air Temp	5	Lookup		Observation
Sky Conditions	4	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation

Lab ID #: 50378215008	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	24.2	mg/L	10	SM2320B
Chloride	5.3	mg/L	0.25	300.0
Hardness (as CaCO3)	101	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	29.5	mg/L	4.2	SM2540D
Solids, Total (TS)	174	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	139	mg/L	10	SM2540C
Sulfate	74.5	mg/L	2.5	300.0
Calcium	28900	ug/L	1000	200.7
Magnesium	7080	ug/L	1000	200.7
COD	15.4	mg/L	10	410.4
Nitrogen, Ammonia	.21	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	1.5	mg/L	0.1	353.2
Phosphorus, Total	.12	mg/L	0.05	365.1
TKN	.89	mg/L	0.5	351.2
TOC	4.2	mg/L	1	SM5310C

Lab ID #: AC41078	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	> 2419.6	MPN/100mL	2419.6	SM9223B

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

Weather Code Definitions					
SC Sky Conditions		WD Wind Direction		WS Wind Strength	AT Air Temp
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

SiteID: WWL070-0002 **Sample Date:** 5/20/2024 **IDEM Sample #:** AC40152
Water Flow Type Flood **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	55.8	%	ASTM D888-09(C)
DO	4.78	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	781	umho/cm	SM2510B
Temperature	22.9	°C	SM2550B(2)
Turbidity (Hach)	20.7	NTU	180.1
pH (Field)	7.31	SU	150.2
Air Temp	6	Lookup	Observation
Sky Conditions	3	Lookup	Observation
Wind Direction	27	Lookup	Observation
Wind Strength	2	Lookup	Observation

Lab ID #: 50373909001	Result	Reporting Limit	Method
Alkalinity (as CaCO ₃)	133	mg/L	10
Chloride	22.7	mg/L	0.25
Hardness (as CaCO ₃)	256	mg/L	10
Solids, Suspended Total, (TSS)	15.4	mg/L	3
Solids, Total (TS)	463	mg/L	10
Solids, Total Dissolved (TDS)	407	mg/L	10
Sulfate	157	mg/L	2.5
Calcium	60400	ug/L	1000
Magnesium	25500	ug/L	1000
COD	36.6	mg/L	10
Nitrogen, Ammonia	.42	mg/L	0.1
Nitrogen, Nitrate+Nitrite	5.6	mg/L	0.2
Phosphorus, Total	.29	mg/L	0.05
TKN	2	mg/L	0.5
TOC	8.1	mg/L	1

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

Lab ID #: AC40152	<u>Result</u>	<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	72.7	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:** 6/17/2024 **IDEML Sample #:** AC40563
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	108.8	%	ASTM D888-09(C)
	DO	9.35	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		1305	umho/cm	SM2510B
Temperature		22.7	°C	SM2550B(2)
Turbidity (Hach)		8.26	NTU	180.1
pH (Field)		7.75	SU	150.2
Air Temp		6	Lookup	Observation
Sky Conditions		3	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		2	Lookup	Observation
Lab ID #: 50376243004	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	278	mg/L	10	SM2320B
Chloride	19.7	mg/L	0.25	300.0
Hardness (as CaCO3)	569	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	7.5	mg/L	3.1	SM2540D
Solids, Total (TS)	964	mg/L	20	SM2540B
Solids, Total Dissolved (TDS)	862	mg/L	20	SM2540C
Sulfate	461	mg/L	2.5	300.0
Calcium	119000	ug/L	1000	200.7
Magnesium	65900	ug/L	1000	200.7
COD	11.5	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.15	mg/L	0.1	353.2
Phosphorus, Total	.13	mg/L	0.05	365.1
TKN	.58	mg/L	0.5	351.2
TOC	3.5	mg/L	1	SM5310C
Lab ID #: AC40563	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	378.4	MPN/100mL	1	SM9223B

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

SiteID: WWL070-0002 **Sample Date:** 7/15/2024 **IDEML Sample #:** AC41074
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	88.5	%	ASTM D888-09(C)
	DO	7.26	mg/L	ASTM D888-09(C)
Specific Conductance (Field)	1444	umho/cm		SM2510B
Temperature	25.2	°C		SM2550B(2)
Turbidity (Hach)	8.02	NTU		180.1
pH (Field)	7.68	SU		150.2
Air Temp	6	Lookup		Observation
Sky Conditions	3	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation

Lab ID #: 50378215004	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	250	mg/L	10	SM2320B
Chloride	20	mg/L	0.25	300.0
Hardness (as CaCO3)	572	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	5.6	mg/L	2.5	SM2540D
Solids, Total (TS)	1120	mg/L	20	SM2540B
Solids, Total Dissolved (TDS)	1040	mg/L	20	SM2540C
Sulfate	561	mg/L	25	300.0
Calcium	111000	ug/L	1000	200.7
Magnesium	71600	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	.23	mg/L	0.1	353.2
Phosphorus, Total	.084	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	3	mg/L	1	SM5310C

Lab ID #: AC41074	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	686.7	MPN/100mL	1	SM9223B

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

Weather Code Definitions					
SC Sky Conditions		WD Wind Direction		WS Wind Strength	AT Air Temp
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

SiteID: WWL070-0003 **Sample Date:** 5/20/2024 **IDEM Sample #:** AC40155
Water Flow Type Flood **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	68.9	%
	DO	6.01	mg/L
Specific Conductance (Field)	367.6	umho/cm	SM2510B
Temperature	22.1	°C	SM2550B(2)
Turbidity (Hach)	42.4	NTU	180.1
pH (Field)	7.39	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 #: 50373909014	Result	Reporting Limit	Method
Alkalinity (as CaCO3)	132	mg/L	10
Chloride	23.1	mg/L	2.5
Hardness (as CaCO3)	151	mg/L	10
Solids, Suspended Total, (TSS)	52.5	mg/L	3.8
Solids, Total (TS)	312	mg/L	10
Solids, Total Dissolved (TDS)	200	mg/L	10
Sulfate	22.2	mg/L	0.25
Calcium	42100	ug/L	1000
Magnesium	11100	ug/L	1000
COD	22.4	mg/L	10
Nitrogen, Ammonia	< .1	mg/L	0.1
Nitrogen, Nitrate+Nitrite	2.8	mg/L	0.1
Phosphorus, Total	.16	mg/L	0.05
TKN	.82	mg/L	0.5
TOC	5.4	mg/L	1

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

Lab ID #: AC40155	<u>Result</u>	<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6
E. coli	167.4	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:** 6/17/2024 **IDEML Sample #:** AC40566
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	102.4	%	ASTM D888-09(C)
	DO	8.25	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		668	umho/cm	SM2510B
Temperature		26.3	°C	SM2550B(2)
Turbidity (Hach)		29.4	NTU	180.1
pH (Field)		8.01	SU	150.2
Air Temp		6	Lookup	Observation
Sky Conditions		3	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		1	Lookup	Observation
Lab ID #: 50376243018	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	208	mg/L	10	SM2320B
Chloride	61.4	mg/L	2.5	300.0
Hardness (as CaCO3)	256	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	43	mg/L	8.3	SM2540D
Solids, Total (TS)	350	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	348	mg/L	10	SM2540C
Sulfate	53.3	mg/L	2.5	300.0
Calcium	63100	ug/L	1000	200.7
Magnesium	23900	ug/L	1000	200.7
COD	24.2	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.78	mg/L	0.1	353.2
Phosphorus, Total	.092	mg/L	0.05	365.1
TKN	1	mg/L	0.5	351.2
TOC	3.8	mg/L	1	SM5310C
Lab ID #: AC40566	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	23.8	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:** 7/15/2024 **IDEML Sample #:** AC41063
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	125.3	%	ASTM D888-09(C)
	DO	9.72	mg/L	ASTM D888-09(C)
Specific Conductance (Field)		619	umho/cm	SM2510B
Temperature		29.2	°C	SM2550B(2)
Turbidity (Hach)		13.4	NTU	180.1
pH (Field)		8.48	SU	150.2
Air Temp		5	Lookup	Observation
Sky Conditions		3	Lookup	Observation
Wind Direction		27	Lookup	Observation
Wind Strength		1	Lookup	Observation
Lab ID #: 50378215018	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	162	mg/L	10	SM2320B
Chloride	67	mg/L	2.5	300.0
Hardness (as CaCO3)	198	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	18.6	mg/L	2.9	SM2540D
Solids, Total (TS)	366	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	344	mg/L	10	SM2540C
Sulfate	52.3	mg/L	2.5	300.0
Calcium	51300	ug/L	1000	200.7
Magnesium	16900	ug/L	1000	200.7
COD	16.7	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.77	mg/L	0.1	353.2
Phosphorus, Total	.15	mg/L	0.05	365.1
TKN	1.1	mg/L	0.5	351.2
TOC	4.1	mg/L	1	SM5310C
Lab ID #: AC41063	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	11.8	MPN/100mL	1	SM9223B

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

Weather Code Definitions					
SC Sky Conditions		WD Wind Direction	WS Wind Strength	AT Air Temp	
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