

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

SiteID: WEL-09-0009 **USGS Hydrologic Unit:** 051202080906
Stream Name: Indian Creek **County:** Martin
Description: McBride Bluff Road **Latitude:** 38 44 30.79 **Longitude:** -86 45 41.94
Drainage: 171.045 **Site Number:** 25T-001

SiteID: WEL-09-0009 **Sample Date:** 8/18/2025 **IDEM Sample #:** AC45957
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	68.3 %		ASTM D888-09(C)
DO	5.58 mg/L		ASTM D888-09(C)
Specific Conductance (Field)	396.8 umho/cm		SM2510B
Temperature	25.5 °C		SM2550B(2)
Turbidity (Hach)	13.6 NTU		180.1
pH (Field)	7.63 SU		150.2
Air Temp	5 Lookup		Observation
Sky Conditions	1 Lookup		Observation
Wind Direction	27 Lookup		Observation
Wind Strength	0 Lookup		Observation

Lab ID #: 50410498018	Result	Reporting Limit	Method
Alkalinity (as CaCO3)	153 mg/L	10	SM2320B
Chloride	6.5 mg/L	0.25	300.0
Hardness (as CaCO3)	196 mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	9.8 mg/L	2.5	SM2540D
Solids, Total (TS)	234 mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	225 mg/L	10	SM2540C
Sulfate	48.8 mg/L	0.25	300.0
COD	10.4 mg/L	10	410.4
Nitrogen, Ammonia	< .1 mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.42 mg/L	0.1	353.2
Phosphorus, Total	.075 mg/L	0.05	365.1
TKN	< .5 mg/L	0.5	351.2
TOC	2.7 mg/L	1	SM5310C

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

Lab ID #: AC45957		<u>Result</u>		<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)		> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli		290.9	MPN/100mL	1	SM9223B

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Surface Water Results Summary

SiteID: WEL-09-0009

Sample Date: 8/26/2025

IDEM Sample #: AC45984

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	73.4	%		ASTM D888-09(C)
DO	6.73	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	403.2	umho/cm		SM2510B
Temperature	19.6	°C		SM2550B(2)
Turbidity (Hach)	8.69	NTU		180.1
pH (Field)	7.74	SU		150.2
Air Temp	5	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
Lab ID #: AC45984	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	139.6	MPN/100mL	1	SM9223B

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Surface Water Results Summary

SiteID: WEL-09-0009

Sample Date: 9/3/2025

IDEM Sample #: AC46011

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	72.6	%		ASTM D888-09(C)
DO	6.64	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	523	umho/cm		SM2510B
Temperature	19.6	°C		SM2550B(2)
Turbidity (Hach)	6.91	NTU		180.1
pH (Field)	7.79	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 #: AC46011	Result		Reporting Limit	Method
Coliforms (Total)	1986.3	MPN/100mL	1	SM9223B
E. coli	101.2	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0009

Sample Date: 9/9/2025

IDEM Sample #: AC46038

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	77.9	%		ASTM D888-09(C)
DO	7.53	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	517	umho/cm		SM2510B
Temperature	16.9	°C		SM2550B(2)
Turbidity (Hach)	7.93	NTU		180.1
pH (Field)	7.82	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 #: AC46038	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	90.5	MPN/100mL	1	SM9223B

Indiana Department of Environmental Management
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Surface Water Results Summary

SiteID: WEL-09-0009

Sample Date: 9/16/2025

IDEM Sample #: AC46065

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	69.6	%		ASTM D888-09(C)
DO	6.21	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	571	umho/cm		SM2510B
Temperature	21	°C		SM2550B(2)
Turbidity (Hach)	5.53	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	1	Lookup		Observation
Lab ID #: 50412846018	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	174	mg/L	10	SM2320B
Chloride	11.7	mg/L	0.25	300.0
Hardness (as CaCO3)	269	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	5	mg/L	2.5	SM2540D
Solids, Total (TS)	402	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	366	mg/L	10	SM2540C
Sulfate	115	mg/L	2.5	300.0
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	3.3	mg/L	1	SM5310C
Lab ID #: AC46065	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	122.3	MPN/100mL	1	SM9223B

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Surface Water Results Summary

SiteID: WEL-09-0009

Sample Date: 10/7/2025

IDEM Sample #: AC46594

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	55.8	%		ASTM D888-09(C)
DO	5.11	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	538	umho/cm		SM2510B
Temperature	19.6	°C		SM2550B(2)
Turbidity (Hach)	6.69	NTU		180.1
pH (Field)	7.57	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 #: 50414704018	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	171	mg/L	10	SM2320B
Chloride	10.1	mg/L	0.25	300.0
Hardness (as CaCO3)	265	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	3.1	mg/L	2.7	SM2540D
Solids, Total (TS)	341	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	318	mg/L	10	SM2540C
Sulfate	96.1	mg/L	2.5	300.0
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	1	mg/L	0.5	351.2
TOC	3.2	mg/L	1	SM5310C
Lab ID #: AC46594	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	1203.3	MPN/100mL	1	SM9223B

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Surface Water Results Summary**

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

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

SiteID: WEL-09-0010 USGS Hydrologic Unit: 051202080906
Stream Name: Opossum Creek County: Martin
Description: SR 450 Latitude: 38 45 11.93 Longitude: -86 46 35.81
Drainage: 7.6899 Site Number: 25T-002

SiteID: WEL-09-0010 Sample Date: 8/18/2025 IDEM Sample #: AC45955
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	212.1	%		ASTM D888-09(C)
DO	15.64	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	328.3	umho/cm		SM2510B
Temperature	31.4	°C		SM2550B(2)
Turbidity (Hach)	4.65	NTU		180.1
pH (Field)	8.32	SU		150.2
Air Temp	6	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
Lab ID #: 50410498017	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	124	mg/L	10	SM2320B
Chloride	8	mg/L	0.25	300.0
Hardness (as CaCO3)	151	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	3.8	mg/L	2.5	SM2540D
Solids, Total (TS)	185	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	174	mg/L	10	SM2540C
Sulfate	40.2	mg/L	0.25	300.0
COD	< 10	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.9	mg/L	0.1	353.2
Phosphorus, Total	< .05	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	1.9	mg/L	1	SM5310C

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Surface Water Results Summary**

Lab ID #: AC45955		<u>Result</u>		<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)		> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli		34.1	MPN/100mL	1	SM9223B

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Surface Water Results Summary

SiteID: WEL-09-0010

Sample Date: 8/26/2025

IDEM Sample #: AC45982

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	139.7	%		ASTM D888-09(C)
DO	12.53	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	374.7	umho/cm		SM2510B
Temperature	20.5	°C		SM2550B(2)
Turbidity (Hach)	6.47	NTU		180.1
pH (Field)	8.14	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 #: AC45982	Result		Reporting Limit	Method
Coliforms (Total)	2419.6	MPN/100mL	1	SM9223B
E. coli	74.3	MPN/100mL	1	SM9223B

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Surface Water Results Summary

SiteID: WEL-09-0010

Sample Date: 9/3/2025

IDEM Sample #: AC46009

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	105.7	%		ASTM D888-09(C)
DO	9.58	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	417.4	umho/cm		SM2510B
Temperature	20.1	°C		SM2550B(2)
Turbidity (Hach)	5.95	NTU		180.1
pH (Field)	8.02	SU		150.2
Air Temp	5	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
Lab ID #: AC46009	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	325.5	MPN/100mL	1	SM9223B

Indiana Department of Environmental Management
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Surface Water Results Summary

SiteID: WEL-09-0010

Sample Date: 9/9/2025

IDEM Sample #: AC46036

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	103.3	%		ASTM D888-09(C)
DO	9.92	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	410.7	umho/cm		SM2510B
Temperature	17.4	°C		SM2550B(2)
Turbidity (Hach)	6.27	NTU		180.1
pH (Field)	8	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 #: AC46036	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	117.8	MPN/100mL	1	SM9223B

Indiana Department of Environmental Management
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Surface Water Results Summary

SiteID: WEL-09-0010

Sample Date: 9/16/2025

IDEM Sample #: AC46063

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	129	%		ASTM D888-09(C)
DO	10.54	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	445	umho/cm		SM2510B
Temperature	25.5	°C		SM2550B(2)
Turbidity (Hach)	16.6	NTU		180.1
pH (Field)	7.91	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 #: 50412846017	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	155	mg/L	10	SM2320B
Chloride	10.2	mg/L	0.25	300.0
Hardness (as CaCO3)	184	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	4.5	mg/L	2.5	SM2540D
Solids, Total (TS)	291	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	266	mg/L	10	SM2540C
Sulfate	61.5	mg/L	2.5	300.0
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	.56	mg/L	0.5	351.2
TOC	2.6	mg/L	1	SM5310C
Lab ID #: AC46063	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	48.1	MPN/100mL	1	SM9223B

Indiana Department of Environmental Management
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Surface Water Results Summary

SiteID: WEL-09-0010

Sample Date: 10/7/2025

IDEM Sample #: AC46592

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	108.9	%		ASTM D888-09(C)
DO	9.75	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	421.3	umho/cm		SM2510B
Temperature	20.8	°C		SM2550B(2)
Turbidity (Hach)	5.17	NTU		180.1
pH (Field)	7.95	SU		150.2
Air Temp	4	Lookup		Observation
Sky Conditions	5	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation
Lab ID #: 50414704017	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	137	mg/L	10	SM2320B
Chloride	11.8	mg/L	0.25	300.0
Hardness (as CaCO3)	188	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	3.1	mg/L	2.8	SM2540D
Solids, Total (TS)	258	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	237	mg/L	10	SM2540C
Sulfate	57.6	mg/L	2.5	300.0
COD	10.3	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	1.3	mg/L	0.1	353.2
Phosphorus, Total	< .05	mg/L	0.05	365.1
TKN	1.1	mg/L	0.5	351.2
TOC	2.7	mg/L	1	SM5310C
Lab ID #: AC46592	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	133.4	MPN/100mL	1	SM9223B

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

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

Indiana Department of Environmental Management

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Surface Water Results Summary

SiteID: WEL-09-0011 **USGS Hydrologic Unit:** 051202080905
Stream Name: Sulphur Creek **County:** Martin
Description: Indian Springs Road **Latitude:** 38 46 27.56 **Longitude:** -86 45 54.01
Drainage: 29.5705 **Site Number:** 25T-004

SiteID: WEL-09-0011 **Sample Date:** 8/18/2025 **IDEM Sample #:** AC45954
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	57.5	%		ASTM D888-09(C)
DO	4.71	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	282	umho/cm		SM2510B
Temperature	25.5	°C		SM2550B(2)
Turbidity (Hach)	8.43	NTU		180.1
pH (Field)	7.25	SU		150.2
Air Temp	6	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
Lab ID #: 50410498016	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	94.2	mg/L	10	SM2320B
Chloride	4.3	mg/L	0.25	300.0
Hardness (as CaCO3)	129	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	4.8	mg/L	2.5	SM2540D
Solids, Total (TS)	159	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	155	mg/L	10	SM2540C
Sulfate	46.9	mg/L	0.25	300.0
COD	10.3	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	.53	mg/L	0.5	351.2
TOC	3.6	mg/L	1	SM5310C

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

Lab ID #: AC45954		<u>Result</u>		<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)		> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli		172.3	MPN/100mL	1	SM9223B

Indiana Department of Environmental Management
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Surface Water Results Summary

SiteID: WEL-09-0011

Sample Date: 8/26/2025

IDEM Sample #: AC45981

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	66.5	%		ASTM D888-09(C)
DO	6.25	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	296.5	umho/cm		SM2510B
Temperature	18.4	°C		SM2550B(2)
Turbidity (Hach)	8.42	NTU		180.1
pH (Field)	7.49	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 #: AC45981	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
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

SiteID: WEL-09-0011

Sample Date: 9/3/2025

IDEM Sample #: AC46008

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	50.8	%		ASTM D888-09(C)
DO	4.79	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	433.1	umho/cm		SM2510B
Temperature	18.2	°C		SM2550B(2)
Turbidity (Hach)	9.32	NTU		180.1
pH (Field)	7.41	SU		150.2
Air Temp	5	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
Lab ID #: AC46008	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	107.1	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0011

Sample Date: 9/9/2025

IDEM Sample #: AC46035

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	59.3	%		ASTM D888-09(C)
DO	5.93	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	413.7	umho/cm		SM2510B
Temperature	15.4	°C		SM2550B(2)
Turbidity (Hach)	6.08	NTU		180.1
pH (Field)	7.42	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 #: AC46035	Result		Reporting Limit	Method
Coliforms (Total)	2419.6	MPN/100mL	1	SM9223B
E. coli	98.7	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0011

Sample Date: 9/16/2025

IDEM Sample #: AC46062

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	51.3	%		ASTM D888-09(C)
DO	4.61	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	511	umho/cm		SM2510B
Temperature	21.1	°C		SM2550B(2)
Turbidity (Hach)	4.33	NTU		180.1
pH (Field)	7.42	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 #: 50412846016	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	112	mg/L	10	SM2320B
Chloride	12.2	mg/L	0.25	300.0
Hardness (as CaCO3)	220	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	2.6	mg/L	2.5	SM2540D
Solids, Total (TS)	358	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	323	mg/L	10	SM2540C
Sulfate	135	mg/L	2.5	300.0
COD	14.2	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	.53	mg/L	0.5	351.2
TOC	4.4	mg/L	1	SM5310C
Lab ID #: AC46062	Result		Reporting Limit	Method
Coliforms (Total)	1986.3	MPN/100mL	1	SM9223B
E. coli	129.6	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0011

Sample Date: 10/7/2025

IDEM Sample #: AC46591

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	47.4	%		ASTM D888-09(C)
DO	4.36	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	431.7	umho/cm		SM2510B
Temperature	19.1	°C		SM2550B(2)
Turbidity (Hach)	5.01	NTU		180.1
pH (Field)	7.38	SU		150.2
Air Temp	4	Lookup		Observation
Sky Conditions	5	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation
Lab ID #: 50414704016	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	118	mg/L	10	SM2320B
Chloride	8.9	mg/L	0.25	300.0
Hardness (as CaCO3)	203	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	< 2.8	mg/L	2.8	SM2540D
Solids, Total (TS)	275	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	249	mg/L	10	SM2540C
Sulfate	90.1	mg/L	2.5	300.0
COD	11.7	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	< .05	mg/L	0.05	365.1
TKN	1.1	mg/L	0.5	351.2
TOC	3.7	mg/L	1	SM5310C
Lab ID #: AC46591	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	488.4	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	8 - Rain	0	North (0 Degrees)	0 - Calm	1 - < 32
2 - scattered	9 - Snow	9	East (90 Degrees)	1 - Light	2 - 33-45
3 - Partly	10 - Sleet	18	South (180 Degrees)	2 - Mod./Light	3 - 46-60
4 - Cloudy		27	West (270 Degrees)	3 - Moderate	4 - 61-75
5 - Mist				4 - Mod./Strong	5 - 76-85
6 - Fog				5 - Strong	6 - > 86
7 - Shower				6 - Gale	

Indiana Department of Environmental Management

Office of Water Quality-Watershed Assessment and Planning Branch

Surface Water Results Summary

SiteID: WEL-09-0013 **USGS Hydrologic Unit:** 051202080906
Stream Name: Indian Creek **County:** Martin
Description: Mount Olive Quarry Road **Latitude:** 38 48 20.92 **Longitude:** -86 41 35.10
Drainage: 123.17 **Site Number:** 25T-007

SiteID: WEL-09-0013 **Sample Date:** 8/19/2025 **IDEM Sample #:** AC45959
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	48.7 %		ASTM D888-09(C)
DO	3.98 mg/L		ASTM D888-09(C)
Specific Conductance (Field)	370.9 umho/cm		SM2510B
Temperature	25.6 °C		SM2550B(2)
Turbidity (Hach)	9.62 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	0 Lookup		Observation
Lab ID #: 50410498019	Result	Reporting Limit	Method

Alkalinity (as CaCO3)	175 mg/L	10	SM2320B
Chloride	5.2 mg/L	0.25	300.0
Hardness (as CaCO3)	180 mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	8.3 mg/L	2.5	SM2540D
Solids, Total (TS)	201 mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	187 mg/L	10	SM2540C
Sulfate	17.5 mg/L	0.25	300.0
COD	10.4 mg/L	10	410.4
Nitrogen, Ammonia	< .1 mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.43 mg/L	0.1	353.2
Phosphorus, Total	< .05 mg/L	0.05	365.1
TKN	.59 mg/L	0.5	351.2
TOC	2.7 mg/L	1	SM5310C

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

Lab ID #: AC45959		<u>Result</u>		<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)		> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli		88	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0013

Sample Date: 8/26/2025

IDEM Sample #: AC45986

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	61.1	%		ASTM D888-09(C)
DO	5.54	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	388.3	umho/cm		SM2510B
Temperature	20	°C		SM2550B(2)
Turbidity (Hach)	9.07	NTU		180.1
pH (Field)	7.55	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 #: AC45986	Result		Reporting Limit	Method
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: WEL-09-0013

Sample Date: 9/3/2025

IDEM Sample #: AC46013

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	58.5	%		ASTM D888-09(C)
DO	5.4	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	408.8	umho/cm		SM2510B
Temperature	19.4	°C		SM2550B(2)
Turbidity (Hach)	7.34	NTU		180.1
pH (Field)	7.66	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 #: AC46013	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	48.8	MPN/100mL	1	SM9223B

Indiana Department of Environmental Management

Office of Water Quality-Watershed Assessment and Planning Branch

Surface Water Results Summary

SiteID: WEL-09-0013

Sample Date: 9/9/2025

IDEM Sample #: AC46040

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	65.3	%		ASTM D888-09(C)
DO	6.32	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	419.5	umho/cm		SM2510B
Temperature	17	°C		SM2550B(2)
Turbidity (Hach)	6.48	NTU		180.1
pH (Field)	7.67	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 #: AC46040	Result		Reporting Limit	Method
Coliforms (Total)	2419.6	MPN/100mL	1	SM9223B
E. coli	58.3	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0013

Sample Date: 9/16/2025

IDEM Sample #: AC46067

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	49.9	%		ASTM D888-09(C)
DO	4.5	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	418.8	umho/cm		SM2510B
Temperature	20.7	°C		SM2550B(2)
Turbidity (Hach)	4.95	NTU		180.1
pH (Field)	7.55	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 #: 50412846019	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	197	mg/L	10	SM2320B
Chloride	6.5	mg/L	0.25	300.0
Hardness (as CaCO3)	212	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	4.1	mg/L	2.5	SM2540D
Solids, Total (TS)	246	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	237	mg/L	10	SM2540C
Sulfate	24	mg/L	0.25	300.0
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	3.3	mg/L	1	SM5310C
Lab ID #: AC46067	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	61.7	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0013

Sample Date: 10/7/2025

IDEM Sample #: AC46596

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	33.8	%		ASTM D888-09(C)
DO	3.08	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	408.8	umho/cm		SM2510B
Temperature	19.6	°C		SM2550B(2)
Turbidity (Hach)	6.27	NTU		180.1
pH (Field)	7.41	SU		150.2
Air Temp	4	Lookup		Observation
Sky Conditions	5	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation
Lab ID #: 50414704019	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	187	mg/L	10	SM2320B
Chloride	6.1	mg/L	0.25	300.0
Hardness (as CaCO3)	211	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	7.8	mg/L	2.8	SM2540D
Solids, Total (TS)	235	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	222	mg/L	10	SM2540C
Sulfate	22	mg/L	0.25	300.0
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	1.1	mg/L	0.5	351.2
TOC	2.9	mg/L	1	SM5310C
Lab ID #: AC46596	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	456.9	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	8 - Rain	0	North (0 Degrees)	0 - Calm	1 - < 32
2 - scattered	9 - Snow	9	East (90 Degrees)	1 - Light	2 - 33-45
3 - Partly	10 - Sleet	18	South (180 Degrees)	2 - Mod./Light	3 - 46-60
4 - Cloudy		27	West (270 Degrees)	3 - Moderate	4 - 61-75
5 - Mist				4 - Mod./Strong	5 - 76-85
6 - Fog				5 - Strong	6 - > 86
7 - Shower				6 - Gale	

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

SiteID: WEL-09-0014 **USGS Hydrologic Unit:** 051202080905
Stream Name: Sulphur Creek **County:** Martin
Description: Valley Avenue **Latitude:** 38 49 52.43 **Longitude:** -86 43 9.78
Drainage: 14.1185 **Site Number:** 25T-008

SiteID: WEL-09-0014 **Sample Date:** 8/18/2025 **IDEM Sample #:** AC45952
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	78.7	%		ASTM D888-09(C)
DO	6.31	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	229.5	umho/cm		SM2510B
Temperature	26.6	°C		SM2550B(2)
Turbidity (Hach)	9.07	NTU		180.1
pH (Field)	7.32	SU		150.2
Air Temp	6	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
Lab ID #: 50410498014	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	105	mg/L	10	SM2320B
Chloride	1.9	mg/L	0.25	300.0
Hardness (as CaCO3)	107	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	5.2	mg/L	2.5	SM2540D
Solids, Total (TS)	109	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	124	mg/L	10	SM2540C
Sulfate	10.7	mg/L	0.25	300.0
COD	< 10	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	< .05	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	2.2	mg/L	1	SM5310C

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

Lab ID #: AC45952		<u>Result</u>		<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)		> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli		121.1	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0014

Sample Date: 8/26/2025

IDEM Sample #: AC45979

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	49.1	%		ASTM D888-09(C)
DO	4.36	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	204.3	umho/cm		SM2510B
Temperature	21.3	°C		SM2550B(2)
Turbidity (Hach)	14.5	NTU		180.1
pH (Field)	6.71	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 #: AC45979	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	73.8	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0014

Sample Date: 9/3/2025

IDEM Sample #: AC46006

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	48.1	%		ASTM D888-09(C)
DO	4.41	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	286.9	umho/cm		SM2510B
Temperature	19.8	°C		SM2550B(2)
Turbidity (Hach)	8.92	NTU		180.1
pH (Field)	7.32	SU		150.2
Air Temp	5	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
Lab ID #: AC46006	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	58.1	MPN/100mL	1	SM9223B

Indiana Department of Environmental Management

Office of Water Quality-Watershed Assessment and Planning Branch

Surface Water Results Summary

SiteID: WEL-09-0014

Sample Date: 9/9/2025

IDEM Sample #: AC46033

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	55	%		ASTM D888-09(C)
DO	5.2	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	294.1	umho/cm		SM2510B
Temperature	17.8	°C		SM2550B(2)
Turbidity (Hach)	8.92	NTU		180.1
pH (Field)	7.4	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 #: AC46033	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	116.2	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0014

Sample Date: 9/16/2025

IDEM Sample #: AC46060

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	39.9	%		ASTM D888-09(C)
DO	3.54	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	305.8	umho/cm		SM2510B
Temperature	21	°C		SM2550B(2)
Turbidity (Hach)	7.27	NTU		180.1
pH (Field)	7.24	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 #: 50412846014	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	140	mg/L	10	SM2320B
Chloride	3.2	mg/L	0.25	300.0
Hardness (as CaCO3)	141	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	4.7	mg/L	2.5	SM2540D
Solids, Total (TS)	175	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	170	mg/L	10	SM2540C
Sulfate	18.8	mg/L	0.25	300.0
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	2.6	mg/L	1	SM5310C
Lab ID #: AC46060	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	45.7	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0014

Sample Date: 10/7/2025

IDEM Sample #: AC46589

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	44.4	%		ASTM D888-09(C)
DO	4.07	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	287.3	umho/cm		SM2510B
Temperature	19.4	°C		SM2550B(2)
Turbidity (Hach)	12.1	NTU		180.1
pH (Field)	7.26	SU		150.2
Air Temp	4	Lookup		Observation
Sky Conditions	7	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation
Lab ID #: 50414704014	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	131	mg/L	10	SM2320B
Chloride	4.3	mg/L	0.25	300.0
Hardness (as CaCO3)	144	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	8.2	mg/L	2.8	SM2540D
Solids, Total (TS)	162	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	144	mg/L	10	SM2540C
Sulfate	18.1	mg/L	0.25	300.0
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	1.1	mg/L	0.5	351.2
TOC	2.6	mg/L	1	SM5310C
Lab ID #: AC46589	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	160.7	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	8 - Rain	0	North (0 Degrees)	0 - Calm	1 - < 32
2 - scattered	9 - Snow	9	East (90 Degrees)	1 - Light	2 - 33-45
3 - Partly	10 - Sleet	18	South (180 Degrees)	2 - Mod./Light	3 - 46-60
4 - Cloudy		27	West (270 Degrees)	3 - Moderate	4 - 61-75
5 - Mist				4 - Mod./Strong	5 - 76-85
6 - Fog				5 - Strong	6 - > 86
7 - Shower				6 - Gale	

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

SiteID: WEL-09-0015 **USGS Hydrologic Unit:** 051202080905
Stream Name: Sulphur Creek **County:** Martin
Description: Misty Road **Latitude:** 38 50 28.73 **Longitude:** -86 43 17.92
Drainage: 11.293 **Site Number:** 25T-009

SiteID: WEL-09-0015 **Sample Date:** 8/18/2025 **IDEM Sample #:** AC45951
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	74.5	%		ASTM D888-09(C)
DO	5.86	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	257.9	umho/cm		SM2510B
Temperature	27.7	°C		SM2550B(2)
Turbidity (Hach)	14.9	NTU		180.1
pH (Field)	7.22	SU		150.2
Air Temp	6	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
Lab ID #: 50410498013	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	114	mg/L	10	SM2320B
Chloride	2.7	mg/L	0.25	300.0
Hardness (as CaCO3)	121	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	12.1	mg/L	2.5	SM2540D
Solids, Total (TS)	136	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	140	mg/L	10	SM2540C
Sulfate	13.2	mg/L	0.25	300.0
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	1.5	mg/L	1	SM5310C

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

Lab ID #: AC45951		<u>Result</u>		<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)		> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli		172.3	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0015

Sample Date: 8/26/2025

IDEM Sample #: AC45978

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	78.8	%		ASTM D888-09(C)
DO	6.95	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	261.7	umho/cm		SM2510B
Temperature	21.6	°C		SM2550B(2)
Turbidity (Hach)	8.63	NTU		180.1
pH (Field)	7.46	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 #: AC45978	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: WEL-09-0015

Sample Date: 9/3/2025

IDEM Sample #: AC46005

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	76.5	%		ASTM D888-09(C)
DO	6.68	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	268.2	umho/cm		SM2510B
Temperature	21.8	°C		SM2550B(2)
Turbidity (Hach)	6.18	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	0	Lookup		Observation
Lab ID #: AC46005	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	156.5	MPN/100mL	1	SM9223B

Indiana Department of Environmental Management

Office of Water Quality-Watershed Assessment and Planning Branch

Surface Water Results Summary

SiteID: WEL-09-0015

Sample Date: 9/9/2025

IDEM Sample #: AC46032

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	75.8	%		ASTM D888-09(C)
DO	6.92	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	201.2	umho/cm		SM2510B
Temperature	19.8	°C		SM2550B(2)
Turbidity (Hach)	4.89	NTU		180.1
pH (Field)	7.5	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 #: AC46032	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	58.6	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0015

Sample Date: 9/16/2025

IDEM Sample #: AC46059

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	78.4	%		ASTM D888-09(C)
DO	6.55	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	274.3	umho/cm		SM2510B
Temperature	24.3	°C		SM2550B(2)
Turbidity (Hach)	4.08	NTU		180.1
pH (Field)	7.31	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 #: 50412846013	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	129	mg/L	10	SM2320B
Chloride	3.2	mg/L	0.25	300.0
Hardness (as CaCO3)	125	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	2.6	mg/L	2.5	SM2540D
Solids, Total (TS)	160	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	152	mg/L	10	SM2540C
Sulfate	14.6	mg/L	0.25	300.0
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	2.6	mg/L	1	SM5310C

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

SiteID: WEL-09-0015

Sample Date: 10/7/2025

IDEM Sample #: AC46588

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	40.9	%		ASTM D888-09(C)
DO	3.53	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	274.7	umho/cm		SM2510B
Temperature	20.2	°C		SM2550B(2)
Turbidity (Hach)	7.22	NTU		180.1
pH (Field)	7.25	SU		150.2
Air Temp	4	Lookup		Observation
Sky Conditions	5	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation
Lab ID #: 50414704013	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	125	mg/L	10	SM2320B
Chloride	3.6	mg/L	0.25	300.0
Hardness (as CaCO3)	137	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	7.9	mg/L	2.8	SM2540D
Solids, Total (TS)	166	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	146	mg/L	10	SM2540C
Sulfate	16	mg/L	0.25	300.0
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	1.1	mg/L	0.5	351.2
TOC	2	mg/L	1	SM5310C
Lab ID #: AC46588	Result		Reporting Limit	Method
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: WEL-09-0015

Sample Date: 9/17/2025

IDEM Sample #: AC46622

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	51.3	%		ASTM D888-09(C)
DO	4.45	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	274.5	umho/cm		SM2510B
Temperature	21	°C		SM2550B(2)
Turbidity (Hach)	6.36	NTU		180.1
pH (Field)	7.24	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 #: AC46622	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	148.3	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	8 - Rain	0	North (0 Degrees)	0 - Calm	1 - < 32
2 - scattered	9 - Snow	9	East (90 Degrees)	1 - Light	2 - 33-45
3 - Partly	10 - Sleet	18	South (180 Degrees)	2 - Mod./Light	3 - 46-60
4 - Cloudy		27	West (270 Degrees)	3 - Moderate	4 - 61-75
5 - Mist				4 - Mod./Strong	5 - 76-85
6 - Fog				5 - Strong	6 - > 86
7 - Shower				6 - Gale	

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

SiteID: WEL-09-0016 **USGS Hydrologic Unit:** 051202080906
Stream Name: Indian Creek **County:** Lawrence
Description: Williams Silversville Road **Latitude:** 38 50 2.45 **Longitude:** -86 39 48.78
Drainage: 116.981 **Site Number:** 25T-010

SiteID: WEL-09-0016 **Sample Date:** 8/19/2025 **IDEM Sample #:** AC45960
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	52.7	%		ASTM D888-09(C)
DO	4.32	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	385.3	umho/cm		SM2510B
Temperature	25.5	°C		SM2550B(2)
Turbidity (Hach)	11.4	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
Lab ID #: 50410498020	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	183	mg/L	10	SM2320B
Chloride	5.9	mg/L	0.25	300.0
Hardness (as CaCO3)	197	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	11.1	mg/L	2.5	SM2540D
Solids, Total (TS)	218	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	199	mg/L	10	SM2540C
Sulfate	20.6	mg/L	0.25	300.0
COD	< 10	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.48	mg/L	0.1	353.2
Phosphorus, Total	.066	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**

Lab ID #: AC45960		<u>Result</u>		<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)		> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli		96	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0016

Sample Date: 8/26/2025

IDEM Sample #: AC45987

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	60.5	%		ASTM D888-09(C)
DO	5.5	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	396.2	umho/cm		SM2510B
Temperature	20	°C		SM2550B(2)
Turbidity (Hach)	12	NTU		180.1
pH (Field)	7.51	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 #: AC45987	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	77.1	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0016

Sample Date: 9/3/2025

IDEM Sample #: AC46014

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	48.2	%		ASTM D888-09(C)
DO	4.45	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	422.5	umho/cm		SM2510B
Temperature	19.2	°C		SM2550B(2)
Turbidity (Hach)	10.1	NTU		180.1
pH (Field)	7.54	SU		150.2
Air Temp	4	Lookup		Observation
Sky Conditions	5	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
Lab ID #: AC46014	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	53.8	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0016

Sample Date: 9/9/2025

IDEM Sample #: AC46041

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	52.6	%		ASTM D888-09(C)
DO	5.12	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	415.5	umho/cm		SM2510B
Temperature	16.8	°C		SM2550B(2)
Turbidity (Hach)	10.5	NTU		180.1
pH (Field)	7.52	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 #: AC46041	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	62.7	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0016

Sample Date: 9/16/2025

IDEM Sample #: AC46068

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	36.8	%		ASTM D888-09(C)
DO	3.29	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	435.2	umho/cm		SM2510B
Temperature	21	°C		SM2550B(2)
Turbidity (Hach)	7.81	NTU		180.1
pH (Field)	7.39	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 #: 50412846020	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	197	mg/L	10	SM2320B
Chloride	6.5	mg/L	0.25	300.0
Hardness (as CaCO3)	214	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	6.1	mg/L	2.5	SM2540D
Solids, Total (TS)	273	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	249	mg/L	10	SM2540C
Sulfate	33.3	mg/L	0.25	300.0
COD	< 10	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	< .05	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	3.1	mg/L	1	SM5310C
Lab ID #: AC46068	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	73.3	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0016

Sample Date: 10/7/2025

IDEM Sample #: AC46597

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	30 %		ASTM D888-09(C)
	DO	2.76 mg/L		ASTM D888-09(C)
	Specific Conductance (Field)	421.9 umho/cm		SM2510B
	Temperature	19.4 °C		SM2550B(2)
	Turbidity (Hach)	12.7 NTU		180.1
	pH (Field)	7.31 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 #: 50414704020	Result		Reporting Limit	Method
	Alkalinity (as CaCO3)	189 mg/L	10	SM2320B
	Chloride	6.6 mg/L	0.25	300.0
	Hardness (as CaCO3)	216 mg/L	10	SM2340B
	Solids, Suspended Total, (TSS)	8.6 mg/L	2.8	SM2540D
	Solids, Total (TS)	254 mg/L	10	SM2540B
	Solids, Total Dissolved (TDS)	231 mg/L	10	SM2540C
	Sulfate	27.5 mg/L	0.25	300.0
	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	1.1 mg/L	0.5	351.2
	TOC	3.1 mg/L	1	SM5310C
Lab ID #: AC46597	Result		Reporting Limit	Method
	Coliforms (Total)	> 2419.6 MPN/100mL	2419.6	SM9223B
	E. coli	1413.6 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	8 - Rain	0	North (0 Degrees)	0 - Calm	1 - < 32
2 - scattered	9 - Snow	9	East (90 Degrees)	1 - Light	2 - 33-45
3 - Partly	10 - Sleet	18	South (180 Degrees)	2 - Mod./Light	3 - 46-60
4 - Cloudy		27	West (270 Degrees)	3 - Moderate	4 - 61-75
5 - Mist				4 - Mod./Strong	5 - 76-85
6 - Fog				5 - Strong	6 - > 86
7 - Shower				6 - Gale	

Indiana Department of Environmental Management

Office of Water Quality-Watershed Assessment and Planning Branch

Surface Water Results Summary

SiteID: WEL-09-0017 **USGS Hydrologic Unit:** 051202080906
Stream Name: Indian Creek **County:** Lawrence
Description: Williams Silversville Road **Latitude:** 38 50 51.36 **Longitude:** -86 39 31.82
Drainage: 114.013 **Site Number:** 25T-011

SiteID: WEL-09-0017 **Sample Date:** 8/19/2025 **IDEM Sample #:** AC45961
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	71.3	%		ASTM D888-09(C)
DO	5.82	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	399.8	umho/cm		SM2510B
Temperature	25.6	°C		SM2550B(2)
Turbidity (Hach)	9.08	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	0	Lookup		Observation
Lab ID #: 50410498021	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	181	mg/L	10	SM2320B
Chloride	6.3	mg/L	0.25	300.0
Hardness (as CaCO3)	200	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	8	mg/L	2.5	SM2540D
Solids, Total (TS)	224	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	208	mg/L	10	SM2540C
Sulfate	22.9	mg/L	0.25	300.0
COD	10.8	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.6	mg/L	0.1	353.2
Phosphorus, Total	.052	mg/L	0.05	365.1
TKN	.8	mg/L	0.5	351.2
TOC	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 #: AC45961		<u>Result</u>		<u>Reporting Limit</u>	<u>Method</u>
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: WEL-09-0017

Sample Date: 8/26/2025

IDEM Sample #: AC45988

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	77.2	%		ASTM D888-09(C)
DO	7.12	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	400.7	umho/cm		SM2510B
Temperature	19.2	°C		SM2550B(2)
Turbidity (Hach)	8	NTU		180.1
pH (Field)	7.6	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 #: AC45988	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	146.7	MPN/100mL	1	SM9223B

Indiana Department of Environmental Management

Office of Water Quality-Watershed Assessment and Planning Branch

Surface Water Results Summary

SiteID: WEL-09-0017

Sample Date: 9/3/2025

IDEM Sample #: AC46015

Water Flow Type Pool

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	67.8	%		ASTM D888-09(C)
DO	6.31	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	417	umho/cm		SM2510B
Temperature	18.8	°C		SM2550B(2)
Turbidity (Hach)	7.26	NTU		180.1
pH (Field)	7.71	SU		150.2
Air Temp	4	Lookup		Observation
Sky Conditions	6	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
Lab ID #: AC46015	Result		Reporting Limit	Method
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: WEL-09-0017

Sample Date: 9/9/2025

IDEM Sample #: AC46042

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	70	%		ASTM D888-09(C)
DO	6.89	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	413.1	umho/cm		SM2510B
Temperature	16.1	°C		SM2550B(2)
Turbidity (Hach)	6.5	NTU		180.1
pH (Field)	7.66	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 #: AC46042	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	131.4	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0017

Sample Date: 9/16/2025

IDEM Sample #: AC46069

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	58 %		ASTM D888-09(C)
	DO	5.2 mg/L		ASTM D888-09(C)
	Specific Conductance (Field)	427.7 umho/cm		SM2510B
	Temperature	20.7 °C		SM2550B(2)
	Turbidity (Hach)	6.26 NTU		180.1
	pH (Field)	7.45 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 #: 50412846021	Result		Reporting Limit	Method
	Alkalinity (as CaCO3)	192 mg/L	10	SM2320B
	Chloride	7.1 mg/L	0.25	300.0
	Hardness (as CaCO3)	208 mg/L	10	SM2340B
	Solids, Suspended Total, (TSS)	5.2 mg/L	2.5	SM2540D
	Solids, Total (TS)	258 mg/L	10	SM2540B
	Solids, Total Dissolved (TDS)	241 mg/L	10	SM2540C
	Sulfate	33.6 mg/L	0.25	300.0
	COD	< 10 mg/L	10	410.4
	Nitrogen, Ammonia	< .1 mg/L	0.1	350.1
	Nitrogen, Nitrate+Nitrite	.21 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 mg/L	1	SM5310C
Lab ID #: AC46069	Result		Reporting Limit	Method
	Coliforms (Total)	> 2419.6 MPN/100mL	2419.6	SM9223B
	E. coli	52 MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0017

Sample Date: 10/7/2025

IDEM Sample #: AC46598

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	55.3	%		ASTM D888-09(C)
DO	5.08	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	383.7	umho/cm		SM2510B
Temperature	19.2	°C		SM2550B(2)
Turbidity (Hach)	10.4	NTU		180.1
pH (Field)	7.47	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 #: 50414704021	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	180	mg/L	10	SM2320B
Chloride	7.8	mg/L	0.25	300.0
Hardness (as CaCO3)	201	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	4.6	mg/L	2.7	SM2540D
Solids, Total (TS)	237	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	229	mg/L	10	SM2540C
Sulfate	30	mg/L	0.25	300.0
COD	13	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	1.1	mg/L	0.5	351.2
TOC	2.8	mg/L	1	SM5310C
Lab ID #: AC46598	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	2419.6	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	8 - Rain	0	North (0 Degrees)	0 - Calm	1 - < 32
2 - scattered	9 - Snow	9	East (90 Degrees)	1 - Light	2 - 33-45
3 - Partly	10 - Sleet	18	South (180 Degrees)	2 - Mod./Light	3 - 46-60
4 - Cloudy		27	West (270 Degrees)	3 - Moderate	4 - 61-75
5 - Mist				4 - Mod./Strong	5 - 76-85
6 - Fog				5 - Strong	6 - > 86
7 - Shower				6 - Gale	

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

SiteID: WEL-09-0018 **USGS Hydrologic Unit:** 051202080904
Stream Name: Indian Creek **County:** Lawrence
Description: SR 158 **Latitude:** 38 51 23.00 **Longitude:** -86 38 52.02
Drainage: 104.86 **Site Number:** 25T-012

SiteID: WEL-09-0018 **Sample Date:** 8/19/2025 **IDEM Sample #:** AC45962
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	66.8 %		ASTM D888-09(C)
DO	5.51 mg/L		ASTM D888-09(C)
Specific Conductance (Field)	402.7 umho/cm		SM2510B
Temperature	24.9 °C		SM2550B(2)
Turbidity (Hach)	8.5 NTU		180.1
pH (Field)	7.71 SU		150.2
Air Temp	6 Lookup		Observation
Sky Conditions	1 Lookup		Observation
Wind Direction	27 Lookup		Observation
Wind Strength	0 Lookup		Observation
Lab ID #: 50410498022	Result	Reporting Limit	Method

Alkalinity (as CaCO3)	186 mg/L	10	SM2320B
Chloride	6.5 mg/L	0.25	300.0
Hardness (as CaCO3)	198 mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	9.4 mg/L	2.5	SM2540D
Solids, Total (TS)	241 mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	207 mg/L	10	SM2540C
Sulfate	23.8 mg/L	0.25	300.0
COD	< 10 mg/L	10	410.4
Nitrogen, Ammonia	< .1 mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.65 mg/L	0.1	353.2
Phosphorus, Total	.08 mg/L	0.05	365.1
TKN	.54 mg/L	0.5	351.2
TOC	1.9 mg/L	1	SM5310C

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

Lab ID #: AC45962		<u>Result</u>		<u>Reporting Limit</u>	<u>Method</u>
E. coli		198.9	MPN/100mL	1	SM9223B
Lab ID #: AC45962b		<u>Result</u>		<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)		16640	MPN/100mL	100	SM9223B

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

SiteID: WEL-09-0018

Sample Date: 8/25/2025

IDEM Sample #: AC45989

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	72.8	%		ASTM D888-09(C)
DO	6.58	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	397.2	umho/cm		SM2510B
Temperature	20.4	°C		SM2550B(2)
Turbidity (Hach)	6.93	NTU		180.1
pH (Field)	7.67	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 #: AC45989	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	275.5	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0018

Sample Date: 9/2/2025

IDEM Sample #: AC46016

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	73.8	%		ASTM D888-09(C)
DO	6.79	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	411	umho/cm		SM2510B
Temperature	19.2	°C		SM2550B(2)
Turbidity (Hach)	14.3	NTU		180.1
pH (Field)	7.78	SU		150.2
Air Temp	5	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
Lab ID #: AC46016	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	201.4	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0018

Sample Date: 9/8/2025

IDEM Sample #: AC46043

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	97	%		ASTM D888-09(C)
DO	9.51	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	412	umho/cm		SM2510B
Temperature	16.4	°C		SM2550B(2)
Turbidity (Hach)	4.44	NTU		180.1
pH (Field)	7.86	SU		150.2
Air Temp	5	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
Lab ID #: AC46043	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	27.8	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0018

Sample Date: 9/15/2025

IDEM Sample #: AC46070

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	60.8	%		ASTM D888-09(C)
DO	5.49	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	419.3	umho/cm		SM2510B
Temperature	20.3	°C		SM2550B(2)
Turbidity (Hach)	7.1	NTU		180.1
pH (Field)	7.56	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 #: 50412846022	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	155	mg/L	10	SM2320B
Chloride	7.1	mg/L	0.25	300.0
Hardness (as CaCO3)	209	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	5.9	mg/L	2.5	SM2540D
Solids, Total (TS)	261	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	231	mg/L	10	SM2540C
Sulfate	35.4	mg/L	0.25	300.0
COD	< 10	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.24	mg/L	0.1	353.2
Phosphorus, Total	< .05	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	2.7	mg/L	1	SM5310C
Lab ID #: AC46070	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	131.4	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0018

Sample Date: 10/6/2025

IDEM Sample #: AC46599

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	45.7	%		ASTM D888-09(C)
DO	4.24	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	431.1	umho/cm		SM2510B
Temperature	19	°C		SM2550B(2)
Turbidity (Hach)	10.3	NTU		180.1
pH (Field)	7.4	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 #: 50414704022	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	184	mg/L	10	SM2320B
Chloride	7.7	mg/L	0.25	300.0
Hardness (as CaCO3)	215	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	14.8	mg/L	2.7	SM2540D
Solids, Total (TS)	261	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	234	mg/L	10	SM2540C
Sulfate	34.2	mg/L	0.25	300.0
COD	10.3	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	1.1	mg/L	0.5	351.2
TOC	2.4	mg/L	1	SM5310C
Lab ID #: AC46599	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	55.6	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	8 - Rain	0	North (0 Degrees)	0 - Calm	1 - < 32
2 - scattered	9 - Snow	9	East (90 Degrees)	1 - Light	2 - 33-45
3 - Partly	10 - Sleet	18	South (180 Degrees)	2 - Mod./Light	3 - 46-60
4 - Cloudy		27	West (270 Degrees)	3 - Moderate	4 - 61-75
5 - Mist				4 - Mod./Strong	5 - 76-85
6 - Fog				5 - Strong	6 - > 86
7 - Shower				6 - Gale	

Indiana Department of Environmental Management

Office of Water Quality-Watershed Assessment and Planning Branch

Surface Water Results Summary

SiteID: WEL-09-0020 **USGS Hydrologic Unit:** 051202080904
Stream Name: Indian Creek **County:** Lawrence
Description: Indian Creek Road **Latitude:** 38 52 42.13 **Longitude:** -86 39 9.86
Drainage: 98.686 **Site Number:** 25T-014

SiteID: WEL-09-0020 **Sample Date:** 8/19/2025 **IDEM Sample #:** AC45963
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	85.9	%		ASTM D888-09(C)
DO	7.26	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	420	umho/cm		SM2510B
Temperature	23.9	°C		SM2550B(2)
Turbidity (Hach)	6.69	NTU		180.1
pH (Field)	7.68	SU		150.2
Air Temp	6	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
Lab ID #: 50410498023	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	195	mg/L	10	SM2320B
Chloride	5.7	mg/L	0.25	300.0
Hardness (as CaCO3)	206	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	3.5	mg/L	2.5	SM2540D
Solids, Total (TS)	236	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	216	mg/L	10	SM2540C
Sulfate	22.8	mg/L	0.25	300.0
COD	< 10	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.69	mg/L	0.1	353.2
Phosphorus, Total	.053	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	1.7	mg/L	1	SM5310C

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

Lab ID #: AC45963		<u>Result</u>		<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)		> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli		172.3	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0020

Sample Date: 8/25/2025

IDEM Sample #: AC45990

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	%		ASTM D888-09(C)
DO	8.44	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	414.4	umho/cm		SM2510B
Temperature	19.1	°C		SM2550B(2)
Turbidity (Hach)	7.71	NTU		180.1
pH (Field)	7.65	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 #: AC45990	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	135.4	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0020

Sample Date: 9/2/2025

IDEM Sample #: AC46017

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	80.9	%		ASTM D888-09(C)
DO	7.63	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	397.7	umho/cm		SM2510B
Temperature	18.1	°C		SM2550B(2)
Turbidity (Hach)	6.68	NTU		180.1
pH (Field)	7.76	SU		150.2
Air Temp	5	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
Lab ID #: AC46017	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	365.4	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0020

Sample Date: 9/8/2025

IDEM Sample #: AC46044

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	77.7	%		ASTM D888-09(C)
DO	7.51	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	388.8	umho/cm		SM2510B
Temperature	16.9	°C		SM2550B(2)
Turbidity (Hach)	8.4	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
Lab ID #: AC46044	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

SiteID: WEL-09-0020

Sample Date: 9/15/2025

IDEM Sample #: AC46071

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	82.6	%		ASTM D888-09(C)
DO	7.52	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	452.2	umho/cm		SM2510B
Temperature	20.2	°C		SM2550B(2)
Turbidity (Hach)	4.93	NTU		180.1
pH (Field)	7.49	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 #: 50412846023	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	217	mg/L	10	SM2320B
Chloride	4.5	mg/L	0.25	300.0
Hardness (as CaCO3)	233	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	6.1	mg/L	2.5	SM2540D
Solids, Total (TS)	265	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	244	mg/L	10	SM2540C
Sulfate	20.2	mg/L	0.25	300.0
COD	< 10	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.51	mg/L	0.1	353.2
Phosphorus, Total	< .05	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	2.8	mg/L	1	SM5310C
Lab ID #: AC46071	Result		Reporting Limit	Method
E. coli	155.3	MPN/100mL	1	SM9223B

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

Lab ID #: AC46071b		<u>Result</u>		<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)		5200	MPN/100mL	100	SM9223B

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

SiteID: WEL-09-0020

Sample Date: 10/6/2025

IDEM Sample #: AC46600

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	76.1	%		ASTM D888-09(C)
DO	6.6	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	495.5	umho/cm		SM2510B
Temperature	18.3	°C		SM2550B(2)
Turbidity (Hach)	16.3	NTU		180.1
pH (Field)	7.64	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 #: 50414704023	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	237	mg/L	10	SM2320B
Chloride	5.5	mg/L	0.25	300.0
Hardness (as CaCO3)	261	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	22.9	mg/L	2.7	SM2540D
Solids, Total (TS)	290	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	270	mg/L	10	SM2540C
Sulfate	28.4	mg/L	0.25	300.0
COD	14.7	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.26	mg/L	0.1	353.2
Phosphorus, Total	< .05	mg/L	0.05	365.1
TKN	1.1	mg/L	0.5	351.2
TOC	3.9	mg/L	1	SM5310C
Lab ID #: AC46600	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	21.6	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	8 - Rain	0	North (0 Degrees)	0 - Calm	1 - < 32
2 - scattered	9 - Snow	9	East (90 Degrees)	1 - Light	2 - 33-45
3 - Partly	10 - Sleet	18	South (180 Degrees)	2 - Mod./Light	3 - 46-60
4 - Cloudy		27	West (270 Degrees)	3 - Moderate	4 - 61-75
5 - Mist				4 - Mod./Strong	5 - 76-85
6 - Fog				5 - Strong	6 - > 86
7 - Shower				6 - Gale	

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

SiteID: WEL-09-0021 **USGS Hydrologic Unit:** 051202080904
Stream Name: Indian Creek **County:** Lawrence
Description: Indian Creek Road **Latitude:** 38 53 13.00 **Longitude:** -86 39 5.13
Drainage: 95.6085 **Site Number:** 25T-015

SiteID: WEL-09-0021 **Sample Date:** 8/19/2025 **IDEM Sample #:** AC45964
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	87.1	%		ASTM D888-09(C)
DO	7.12	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	346.2	umho/cm		SM2510B
Temperature	25.6	°C		SM2550B(2)
Turbidity (Hach)	4.65	NTU		180.1
pH (Field)	7.81	SU		150.2
Air Temp	6	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
Lab ID #: 50410498024	Result		Reporting Limit	Method

Alkalinity (as CaCO3)	< 10	mg/L	10	SM2320B
Chloride	6.9	mg/L	0.25	300.0
Hardness (as CaCO3)	194	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	< 2.5	mg/L	2.5	SM2540D
Solids, Total (TS)	217	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	205	mg/L	10	SM2540C
Sulfate	27.1	mg/L	0.25	300.0
COD	< 10	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	.073	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**

Lab ID #: AC45964		<u>Result</u>		<u>Reporting Limit</u>	<u>Method</u>
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: WEL-09-0021

Sample Date: 8/25/2025

IDEM Sample #: AC45991

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	79.4	%		ASTM D888-09(C)
DO	7.13	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	398.3	umho/cm		SM2510B
Temperature	20.6	°C		SM2550B(2)
Turbidity (Hach)	10.7	NTU		180.1
pH (Field)	7.8	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 #: AC45991	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	218.7	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0021

Sample Date: 9/2/2025

IDEM Sample #: AC46018

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	78.9	%		ASTM D888-09(C)
DO	7.34	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	369.5	umho/cm		SM2510B
Temperature	19	°C		SM2550B(2)
Turbidity (Hach)	5.55	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	0	Lookup		Observation
Lab ID #: AC46018	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	1986.3	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0021

Sample Date: 9/8/2025

IDEM Sample #: AC46045

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	76.2	%		ASTM D888-09(C)
DO	7.6	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	422.1	umho/cm		SM2510B
Temperature	17.4	°C		SM2550B(2)
Turbidity (Hach)	8.02	NTU		180.1
pH (Field)	7.86	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 #: AC46045	Result		Reporting Limit	Method
Coliforms (Total)	2419.6	MPN/100mL	1	SM9223B
E. coli	248.9	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0021

Sample Date: 9/15/2025

IDEM Sample #: AC46072

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	67.4	%		ASTM D888-09(C)
DO	6.03	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	366.3	umho/cm		SM2510B
Temperature	21	°C		SM2550B(2)
Turbidity (Hach)	6.81	NTU		180.1
pH (Field)	7.53	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 #: 50412846024	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	175	mg/L	10	SM2320B
Chloride	7.2	mg/L	0.25	300.0
Hardness (as CaCO3)	186	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	5.6	mg/L	2.5	SM2540D
Solids, Total (TS)	228	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	209	mg/L	10	SM2540C
Sulfate	21	mg/L	0.25	300.0
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	.088	mg/L	0.05	365.1
TKN	.52	mg/L	0.5	351.2
TOC	3.7	mg/L	1	SM5310C
Lab ID #: AC46072	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

SiteID: WEL-09-0021

Sample Date: 10/6/2025

IDEM Sample #: AC46601

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	43.8	%		ASTM D888-09(C)
DO	4.11	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	350.7	umho/cm		SM2510B
Temperature	18.3	°C		SM2550B(2)
Turbidity (Hach)	5.34	NTU		180.1
pH (Field)	7.48	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 #: 50414704024	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	162	mg/L	10	SM2320B
Chloride	6.6	mg/L	0.25	300.0
Hardness (as CaCO3)	169	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	25.4	mg/L	2.7	SM2540D
Solids, Total (TS)	208	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	185	mg/L	10	SM2540C
Sulfate	13.6	mg/L	0.25	300.0
COD	16.7	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	< .05	mg/L	0.05	365.1
TKN	1.2	mg/L	0.5	351.2
TOC	4.3	mg/L	1	SM5310C
Lab ID #: AC46601b	Result		Reporting Limit	Method
Coliforms (Total)	13540	MPN/100mL	100	SM9223B
E. coli	10500	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	8 - Rain	0	North (0 Degrees)	0 - Calm	1 - < 32
2 - scattered	9 - Snow	9	East (90 Degrees)	1 - Light	2 - 33-45
3 - Partly	10 - Sleet	18	South (180 Degrees)	2 - Mod./Light	3 - 46-60
4 - Cloudy		27	West (270 Degrees)	3 - Moderate	4 - 61-75
5 - Mist				4 - Mod./Strong	5 - 76-85
6 - Fog				5 - Strong	6 - > 86
7 - Shower				6 - Gale	

Indiana Department of Environmental Management

Office of Water Quality-Watershed Assessment and Planning Branch

Surface Water Results Summary

SiteID: WEL-09-0022 **USGS Hydrologic Unit:** 051202080904
Stream Name: Indian Creek **County:** Lawrence
Description: Armstrong Station Road **Latitude:** 38 54 21.53 **Longitude:** -86 39 21.36
Drainage: 94.2595 **Site Number:** 25T-016

SiteID: WEL-09-0022 **Sample Date:** 8/19/2025 **IDEM Sample #:** AC45966
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	115.9 %		ASTM D888-09(C)
DO	9.4 mg/L		ASTM D888-09(C)
Specific Conductance (Field)	419.1 umho/cm		SM2510B
Temperature	25.9 °C		SM2550B(2)
Turbidity (Hach)	6.61 NTU		180.1
pH (Field)	7.95 SU		150.2
Air Temp	6 Lookup		Observation
Sky Conditions	1 Lookup		Observation
Wind Direction	27 Lookup		Observation
Wind Strength	0 Lookup		Observation
Lab ID #: 50410498004	Result	Reporting Limit	Method

Alkalinity (as CaCO3)	172 mg/L	10	SM2320B
Chloride	6.1 mg/L	0.25	300.0
Hardness (as CaCO3)	201 mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	3.9 mg/L	2.5	SM2540D
Solids, Total (TS)	217 mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	213 mg/L	10	SM2540C
Sulfate	30.8 mg/L	0.25	300.0
COD	< 10 mg/L	10	410.4
Nitrogen, Ammonia	< .1 mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.71 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 mg/L	1	SM5310C

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

Lab ID #: AC45966		<u>Result</u>		<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)		> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli		866.4	MPN/100mL	1	SM9223B

Indiana Department of Environmental Management

Office of Water Quality-Watershed Assessment and Planning Branch

Surface Water Results Summary

SiteID: WEL-09-0022

Sample Date: 8/25/2025

IDEM Sample #: AC45993

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	110	%		ASTM D888-09(C)
DO	9.98	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	444	umho/cm		SM2510B
Temperature	20.1	°C		SM2550B(2)
Turbidity (Hach)	7.11	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 #: AC45993	Result		Reporting Limit	Method
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: WEL-09-0022

Sample Date: 9/2/2025

IDEM Sample #: AC46020

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	92.8	%		ASTM D888-09(C)
DO	8.45	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	408.2	umho/cm		SM2510B
Temperature	20.1	°C		SM2550B(2)
Turbidity (Hach)	5.4	NTU		180.1
pH (Field)	7.89	SU		150.2
Air Temp	5	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
Lab ID #: AC46020	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	140.1	MPN/100mL	1	SM9223B

Indiana Department of Environmental Management

Office of Water Quality-Watershed Assessment and Planning Branch

Surface Water Results Summary

SiteID: WEL-09-0022

Sample Date: 9/9/2025

IDEM Sample #: AC46047

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	110.2	%		ASTM D888-09(C)
DO	10.3	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	447.1	umho/cm		SM2510B
Temperature	18.2	°C		SM2550B(2)
Turbidity (Hach)	4.23	NTU		180.1
pH (Field)	7.97	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 #: AC46047	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	70.3	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0022

Sample Date: 9/15/2025

IDEM Sample #: AC46074

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	87.4	%		ASTM D888-09(C)
DO	7.59	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	415.1	umho/cm		SM2510B
Temperature	22.3	°C		SM2550B(2)
Turbidity (Hach)	5.92	NTU		180.1
pH (Field)	7.58	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 #: 50412846004	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	174	mg/L	10	SM2320B
Chloride	8.4	mg/L	0.25	300.0
Hardness (as CaCO3)	191	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	3.6	mg/L	2.5	SM2540D
Solids, Total (TS)	247	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	230	mg/L	10	SM2540C
Sulfate	34.4	mg/L	0.25	300.0
COD	10.1	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	< .05	mg/L	0.05	365.1
TKN	< .62	mg/L	0.62	351.2
TOC	2.8	mg/L	1	SM5310C
Lab ID #: AC46074	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	73.8	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0022

Sample Date: 10/6/2025

IDEM Sample #: AC46603

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	67.1	%		ASTM D888-09(C)
DO	6.19	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	463.2	umho/cm		SM2510B
Temperature	19.1	°C		SM2550B(2)
Turbidity (Hach)	6.42	NTU		180.1
pH (Field)	7.58	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 #: 50414704004	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	189	mg/L	10	SM2320B
Chloride	7.8	mg/L	0.25	300.0
Hardness (as CaCO3)	230	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	13.7	mg/L	2.7	SM2540D
Solids, Total (TS)	307	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	251	mg/L	10	SM2540C
Sulfate	47.1	mg/L	2.5	300.0
COD	< 10	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.29	mg/L	0.1	353.2
Phosphorus, Total	< .05	mg/L	0.05	365.1
TKN	1.1	mg/L	0.5	351.2
TOC	2.2	mg/L	1	SM5310C
Lab ID #: AC46603	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	150	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	8 - Rain	0	North (0 Degrees)	0 - Calm	1 - < 32
2 - scattered	9 - Snow	9	East (90 Degrees)	1 - Light	2 - 33-45
3 - Partly	10 - Sleet	18	South (180 Degrees)	2 - Mod./Light	3 - 46-60
4 - Cloudy		27	West (270 Degrees)	3 - Moderate	4 - 61-75
5 - Mist				4 - Mod./Strong	5 - 76-85
6 - Fog				5 - Strong	6 - > 86
7 - Shower				6 - Gale	

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

SiteID: WEL-09-0023 **USGS Hydrologic Unit:** 051202080903
Stream Name: Indian Creek **County:** Lawrence
Description: Boone Hollow Road **Latitude:** 38 54 30.72 **Longitude:** -86 39 34.18
Drainage: 81.097 **Site Number:** 25T-017

SiteID: WEL-09-0023 **Sample Date:** 8/19/2025 **IDEM Sample #:** AC45958
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	80.8 %		ASTM D888-09(C)
DO	6.35 mg/L		ASTM D888-09(C)
Specific Conductance (Field)	311.7 umho/cm		SM2510B
Temperature	27.3 °C		SM2550B(2)
Turbidity (Hach)	6.88 NTU		180.1
pH (Field)	7.65 SU		150.2
Air Temp	6 Lookup		Observation
Sky Conditions	1 Lookup		Observation
Wind Direction	27 Lookup		Observation
Wind Strength	0 Lookup		Observation
Lab ID #: 50410498002	Result	Reporting Limit	Method

Alkalinity (as CaCO3)	144 mg/L	10	SM2320B
Chloride	5.3 mg/L	0.25	300.0
Hardness (as CaCO3)	149 mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	8 mg/L	2.5	SM2540D
Solids, Total (TS)	158 mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	152 mg/L	10	SM2540C
Sulfate	11.2 mg/L	0.25	300.0
COD	13.9 mg/L	10	410.4
Nitrogen, Ammonia	< .1 mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.35 mg/L	0.1	353.2
Phosphorus, Total	< .05 mg/L	0.05	365.1
TKN	< .5 mg/L	0.5	351.2
TOC	2.7 mg/L	1	SM5310C

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

Lab ID #: AC45958		<u>Result</u>		<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)		> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli		76.3	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0023

Sample Date: 8/25/2025

IDEM Sample #: AC45985

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	76.6	%		ASTM D888-09(C)
DO	6.72	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	346.8	umho/cm		SM2510B
Temperature	21.2	°C		SM2550B(2)
Turbidity (Hach)	8.84	NTU		180.1
pH (Field)	7.64	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 #: AC45985	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	87.8	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0023

Sample Date: 9/2/2025

IDEM Sample #: AC46012

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	69	%		ASTM D888-09(C)
DO	6.34	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	357.3	umho/cm		SM2510B
Temperature	19.3	°C		SM2550B(2)
Turbidity (Hach)	9.46	NTU		180.1
pH (Field)	7.66	SU		150.2
Air Temp	5	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
Lab ID #: AC46012	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	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

SiteID: WEL-09-0023

Sample Date: 9/9/2025

IDEM Sample #: AC46039

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	83	%		ASTM D888-09(C)
DO	7.89	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	367	umho/cm		SM2510B
Temperature	18.3	°C		SM2550B(2)
Turbidity (Hach)	4.62	NTU		180.1
pH (Field)	7.73	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 #: AC46039	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	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

SiteID: WEL-09-0023

Sample Date: 9/15/2025

IDEM Sample #: AC46066

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	87.1	%		ASTM D888-09(C)
DO	7.57	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	367.9	umho/cm		SM2510B
Temperature	22.3	°C		SM2550B(2)
Turbidity (Hach)	3.47	NTU		180.1
pH (Field)	7.6	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 #: 50412846002	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	168	mg/L	10	SM2320B
Chloride	9	mg/L	0.25	300.0
Hardness (as CaCO3)	172	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	< 2.5	mg/L	2.5	SM2540D
Solids, Total (TS)	211	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	196	mg/L	10	SM2540C
Sulfate	18.7	mg/L	0.25	300.0
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	3.2	mg/L	1	SM5310C
Lab ID #: AC46066	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	127.4	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0023

Sample Date: 10/6/2025

IDEM Sample #: AC46595

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	77.7 %		ASTM D888-09(C)
	DO	7.15 mg/L		ASTM D888-09(C)
	Specific Conductance (Field)	331.9 umho/cm		SM2510B
	Temperature	19.2 °C		SM2550B(2)
	Turbidity (Hach)	12.7 NTU		180.1
	pH (Field)	7.54 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 #: 50414704002	Result		Reporting Limit	Method
	Alkalinity (as CaCO3)	170 mg/L	10	SM2320B
	Chloride	8.9 mg/L	0.25	300.0
	Hardness (as CaCO3)	154 mg/L	10	SM2340B
	Solids, Suspended Total, (TSS)	7.7 mg/L	2.7	SM2540D
	Solids, Total (TS)	204 mg/L	10	SM2540B
	Solids, Total Dissolved (TDS)	189 mg/L	10	SM2540C
	Sulfate	17.4 mg/L	0.25	300.0
	COD	10.3 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	1.1 mg/L	0.5	351.2
	TOC	3.2 mg/L	1	SM5310C
Lab ID #: AC46595	Result		Reporting Limit	Method
	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**

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

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

SiteID: WEL-09-0024 USGS Hydrologic Unit: 051202080903
Stream Name: Spring Creek County: Lawrence
Description: SR 54 Latitude: 38 55 51.18 Longitude: -86 37 58.34
Drainage: 6.6005 Site Number: 25T-020

SiteID: WEL-09-0024 Sample Date: 8/19/2025 IDEM Sample #: AC45967
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	111.1	%		ASTM D888-09(C)
DO	9.75	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	510	umho/cm		SM2510B
Temperature	21.7	°C		SM2550B(2)
Turbidity (Hach)	4.55	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	0	Lookup		Observation
Lab ID #: 50410498005	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	233	mg/L	10	SM2320B
Chloride	9.7	mg/L	0.25	300.0
Hardness (as CaCO3)	252	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	3.4	mg/L	2.5	SM2540D
Solids, Total (TS)	286	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	278	mg/L	10	SM2540C
Sulfate	25.8	mg/L	0.25	300.0
COD	< 10	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	.079	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	< 1	mg/L	1	SM5310C

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

Lab ID #: AC45967		<u>Result</u>		<u>Reporting Limit</u>	<u>Method</u>
E. coli		435.2	MPN/100mL	1	SM9223B
Lab ID #: AC45967b		<u>Result</u>		<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)		12230	MPN/100mL	100	SM9223B

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

SiteID: WEL-09-0024

Sample Date: 8/25/2025

IDEM Sample #: AC45994

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	98.3	%		ASTM D888-09(C)
DO	9.58	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	504	umho/cm		SM2510B
Temperature	16.7	°C		SM2550B(2)
Turbidity (Hach)	4.62	NTU		180.1
pH (Field)	7.94	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 #: AC45994	Result		Reporting Limit	Method
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: WEL-09-0024

Sample Date: 9/2/2025

IDEM Sample #: AC46021

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	99.1	%		ASTM D888-09(C)
DO	9.72	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	509	umho/cm		SM2510B
Temperature	16.2	°C		SM2550B(2)
Turbidity (Hach)	3.89	NTU		180.1
pH (Field)	8.11	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 #: AC46021	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	365.4	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0024

Sample Date: 9/8/2025

IDEM Sample #: AC46048

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	100.8	%		ASTM D888-09(C)
DO	10.36	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	507	umho/cm		SM2510B
Temperature	14	°C		SM2550B(2)
Turbidity (Hach)	3.25	NTU		180.1
pH (Field)	8.13	SU		150.2
Air Temp	5	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
Lab ID #: AC46048	Result		Reporting Limit	Method
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: WEL-09-0024

Sample Date: 9/15/2025

IDEM Sample #: AC46075

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	111.8	%		ASTM D888-09(C)
DO	9.98	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	507	umho/cm		SM2510B
Temperature	20.8	°C		SM2550B(2)
Turbidity (Hach)	10.6	NTU		180.1
pH (Field)	8.08	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 #: 50412846005	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	229	mg/L	10	SM2320B
Chloride	9.5	mg/L	0.25	300.0
Hardness (as CaCO3)	248	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	2.6	mg/L	2.5	SM2540D
Solids, Total (TS)	309	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	286	mg/L	10	SM2540C
Sulfate	28.1	mg/L	0.25	300.0
COD	< 10	mg/L	10	410.4
Nitrogen, Ammonia	< .1	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	1.8	mg/L	1	SM5310C
Lab ID #: AC46075	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	238.2	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0024

Sample Date: 10/6/2025

IDEM Sample #: AC46604

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	94	%		ASTM D888-09(C)
DO	8.92	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	490.9	umho/cm		SM2510B
Temperature	17.9	°C		SM2550B(2)
Turbidity (Hach)	2.39	NTU		180.1
pH (Field)	7.98	SU		150.2
Air Temp	4	Lookup		Observation
Sky Conditions	5	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation
Lab ID #: 50414704005	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	235	mg/L	10	SM2320B
Chloride	10.6	mg/L	0.25	300.0
Hardness (as CaCO3)	238	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	< 2.7	mg/L	2.7	SM2540D
Solids, Total (TS)	307	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	281	mg/L	10	SM2540C
Sulfate	26.7	mg/L	0.25	300.0
COD	< 10	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	1.3	mg/L	0.1	353.2
Phosphorus, Total	< .05	mg/L	0.05	365.1
TKN	.9	mg/L	0.5	351.2
TOC	1.8	mg/L	1	SM5310C
Lab ID #: AC46604	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	86.2	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	8 - Rain	0	North (0 Degrees)	0 - Calm	1 - < 32
2 - scattered	9 - Snow	9	East (90 Degrees)	1 - Light	2 - 33-45
3 - Partly	10 - Sleet	18	South (180 Degrees)	2 - Mod./Light	3 - 46-60
4 - Cloudy		27	West (270 Degrees)	3 - Moderate	4 - 61-75
5 - Mist				4 - Mod./Strong	5 - 76-85
6 - Fog				5 - Strong	6 - > 86
7 - Shower				6 - Gale	

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

SiteID: WEL-09-0026 USGS Hydrologic Unit: 051202080902
Stream Name: Mitchell Branch County: Greene
Description: SR 54 Latitude: 38 58 40.56 Longitude: -86 42 12.41
Drainage: 3.8735 Site Number: 25T-023

SiteID: WEL-09-0026 Sample Date: 8/20/2025 IDEM Sample #: AC45969
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	86.1	%		ASTM D888-09(C)
DO	7.44	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	303.7	umho/cm		SM2510B
Temperature	22.7	°C		SM2550B(2)
Turbidity (Hach)	4.7	NTU		180.1
pH (Field)	7.67	SU		150.2
Air Temp	4	Lookup		Observation
Sky Conditions	4	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
Lab ID #: 50410498007	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	106	mg/L	10	SM2320B
Chloride	21.3	mg/L	2.5	300.0
Hardness (as CaCO3)	106	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	< 2.5	mg/L	2.5	SM2540D
Solids, Total (TS)	155	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	146	mg/L	10	SM2540C
Sulfate	14.3	mg/L	0.25	300.0
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	.071	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	2.5	mg/L	1	SM5310C

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

Lab ID #: AC45969		<u>Result</u>		<u>Reporting Limit</u>	<u>Method</u>
E. coli		866.4	MPN/100mL	1	SM9223B
Lab ID #: AC45969b		<u>Result</u>		<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)		19350	MPN/100mL	100	SM9223B

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

SiteID: WEL-09-0026

Sample Date: 8/25/2025

IDEM Sample #: AC45996

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	95.3	%		ASTM D888-09(C)
DO	8.85	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	335.2	umho/cm		SM2510B
Temperature	19	°C		SM2550B(2)
Turbidity (Hach)	2.91	NTU		180.1
pH (Field)	7.71	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 #: AC45996	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	1413.6	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0026

Sample Date: 9/2/2025

IDEM Sample #: AC46023

Water Flow Type Pool

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	64.7	%		ASTM D888-09(C)
DO	6.28	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	404.8	umho/cm		SM2510B
Temperature	16.8	°C		SM2550B(2)
Turbidity (Hach)	5.49	NTU		180.1
pH (Field)	7.43	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 #: AC46023	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	69.7	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0026

Sample Date: 9/8/2025

IDEM Sample #: AC46050

Water Flow Type Pool

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	73.4	%		ASTM D888-09(C)
DO	7.53	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	448.8	umho/cm		SM2510B
Temperature	14.3	°C		SM2550B(2)
Turbidity (Hach)	8.36	NTU		180.1
pH (Field)	7.52	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 #: AC46050	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	285.1	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0026

Sample Date: 9/15/2025

IDEM Sample #: AC46077

Water Flow Type Pool

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	41.3	%		ASTM D888-09(C)
DO	3.65	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	499.9	umho/cm		SM2510B
Temperature	22.5	°C		SM2550B(2)
Turbidity (Hach)	3.71	NTU		180.1
pH (Field)	7.22	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 #: 50412846007	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	174	mg/L	10	SM2320B
Chloride	43.6	mg/L	2.5	300.0
Hardness (as CaCO3)	176	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	< 2.5	mg/L	2.5	SM2540D
Solids, Total (TS)	279	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	269	mg/L	10	SM2540C
Sulfate	12.7	mg/L	0.25	300.0
COD	12.3	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	3.7	mg/L	1	SM5310C
Lab ID #: AC46077	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	214.3	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0026

Sample Date: 10/6/2025

IDEM Sample #: AC46606

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	45.3	%		ASTM D888-09(C)
DO	4.25	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	569	umho/cm		SM2510B
Temperature	18.4	°C		SM2550B(2)
Turbidity (Hach)	9.72	NTU		180.1
pH (Field)	7.41	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 #: 50414704007	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	182	mg/L	10	SM2320B
Chloride	61	mg/L	2.5	300.0
Hardness (as CaCO3)	196	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	< 2.8	mg/L	2.8	SM2540D
Solids, Total (TS)	314	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	294	mg/L	10	SM2540C
Sulfate	12.6	mg/L	0.25	300.0
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	.081	mg/L	0.05	365.1
TKN	1.1	mg/L	0.5	351.2
TOC	4.5	mg/L	1	SM5310C
Lab ID #: AC46606	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	40.8	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	8 - Rain	0	North (0 Degrees)	0 - Calm	1 - < 32
2 - scattered	9 - Snow	9	East (90 Degrees)	1 - Light	2 - 33-45
3 - Partly	10 - Sleet	18	South (180 Degrees)	2 - Mod./Light	3 - 46-60
4 - Cloudy		27	West (270 Degrees)	3 - Moderate	4 - 61-75
5 - Mist				4 - Mod./Strong	5 - 76-85
6 - Fog				5 - Strong	6 - > 86
7 - Shower				6 - Gale	

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

SiteID: WEL-09-0027 **USGS Hydrologic Unit:** 051202080902
Stream Name: Little Indian Creek **County:** Greene
Description: Rockeast Road **Latitude:** 39 0 25.78 **Longitude:** -86 41 8.12
Drainage: 9.4045 **Site Number:** 25T-026

SiteID: WEL-09-0027 **Sample Date:** 8/20/2025 **IDEM Sample #:** AC45948
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	64.9	%		ASTM D888-09(C)
DO	5.68	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	361.6	umho/cm		SM2510B
Temperature	21.7	°C		SM2550B(2)
Turbidity (Hach)	3.07	NTU		180.1
pH (Field)	7.65	SU		150.2
Air Temp	4	Lookup		Observation
Sky Conditions	4	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
Lab ID #: 50410498010	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	167	mg/L	10	SM2320B
Chloride	5.6	mg/L	0.25	300.0
Hardness (as CaCO3)	179	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	< 2.5	mg/L	2.5	SM2540D
Solids, Total (TS)	188	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	178	mg/L	10	SM2540C
Sulfate	23	mg/L	0.25	300.0
COD	< 10	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.42	mg/L	0.1	353.2
Phosphorus, Total	< .05	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	2.2	mg/L	1	SM5310C

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

Lab ID #: AC45948		<u>Result</u>		<u>Reporting Limit</u>	<u>Method</u>
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: WEL-09-0027

Sample Date: 8/25/2025

IDEM Sample #: AC45975

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	60.7	%		ASTM D888-09(C)
DO	5.75	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	383.7	umho/cm		SM2510B
Temperature	18.4	°C		SM2550B(2)
Turbidity (Hach)	1.76	NTU		180.1
pH (Field)	7.58	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 #: AC45975	Result		Reporting Limit	Method
Coliforms (Total)	2419.6	MPN/100mL	1	SM9223B
E. coli	88.9	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0027

Sample Date: 9/2/2025

IDEM Sample #: AC46002

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	59	%		ASTM D888-09(C)
DO	5.68	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	388.1	umho/cm		SM2510B
Temperature	17	°C		SM2550B(2)
Turbidity (Hach)	1.62	NTU		180.1
pH (Field)	7.62	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 #: AC46002	Result		Reporting Limit	Method
Coliforms (Total)	1732.9	MPN/100mL	1	SM9223B
E. coli	125	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0027

Sample Date: 9/8/2025

IDEM Sample #: AC46029

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	62.3	%		ASTM D888-09(C)
DO	6.36	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	393.7	umho/cm		SM2510B
Temperature	14.3	°C		SM2550B(2)
Turbidity (Hach)	.73	NTU		180.1
pH (Field)	7.64	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 #: AC46029	Result		Reporting Limit	Method
Coliforms (Total)	1119.9	MPN/100mL	1	SM9223B
E. coli	56.3	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0027

Sample Date: 9/17/2025

IDEM Sample #: AC46056

Water Flow Type Pool

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	38.7 %		ASTM D888-09(C)
	DO	3.66 mg/L		ASTM D888-09(C)
	Specific Conductance (Field)	413.9 umho/cm		SM2510B
	Temperature	18.2 °C		SM2550B(2)
	Turbidity (Hach)	1.03 NTU		180.1
	pH (Field)	7.52 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 #: 50412846010	Result		Reporting Limit	Method
	Alkalinity (as CaCO3)	151 mg/L	10	SM2320B
	Chloride	6.3 mg/L	0.25	300.0
	Hardness (as CaCO3)	197 mg/L	10	SM2340B
	Solids, Suspended Total, (TSS)	< 2.5 mg/L	2.5	SM2540D
	Solids, Total (TS)	251 mg/L	10	SM2540B
	Solids, Total Dissolved (TDS)	240 mg/L	10	SM2540C
	Sulfate	34.5 mg/L	0.25	300.0
	COD	< 10 mg/L	10	410.4
	Nitrogen, Ammonia	< .1 mg/L	0.1	350.1
	Nitrogen, Nitrate+Nitrite	.21 mg/L	0.1	353.2
	Phosphorus, Total	.069 mg/L	0.05	365.1
	TKN	< .5 mg/L	0.5	351.2
	TOC	2.2 mg/L	1	SM5310C
Lab ID #: AC46056	Result		Reporting Limit	Method
	Coliforms (Total)	1119.9 MPN/100mL	1	SM9223B
	E. coli	59.1 MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0027

Sample Date: 10/7/2025

IDEM Sample #: AC46585

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	56.4	%		ASTM D888-09(C)
DO	5.13	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	413.6	umho/cm		SM2510B
Temperature	19.9	°C		SM2550B(2)
Turbidity (Hach)	2.65	NTU		180.1
pH (Field)	7.6	SU		150.2
Air Temp	4	Lookup		Observation
Sky Conditions	3	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation
Lab ID #: 50414704010	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	174	mg/L	10	SM2320B
Chloride	6.2	mg/L	0.25	300.0
Hardness (as CaCO3)	204	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	< 2.9	mg/L	2.9	SM2540D
Solids, Total (TS)	240	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	218	mg/L	10	SM2540C
Sulfate	36.1	mg/L	0.25	300.0
COD	< 10	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	< .05	mg/L	0.05	365.1
TKN	1.1	mg/L	0.5	351.2
TOC	2.5	mg/L	1	SM5310C
Lab ID #: AC46585	Result		Reporting Limit	Method
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**

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

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

SiteID: WEL-09-0028 **USGS Hydrologic Unit:** 051202080901
Stream Name: Indian Creek **County:** Monroe
Description: Breeden Road **Latitude:** 39 3 45.28 **Longitude:** -86 40 24.28
Drainage: 14.3955 **Site Number:** 25T-027

SiteID: WEL-09-0028 **Sample Date:** 8/20/2025 **IDEM Sample #:** AC45949
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	50.6 %		ASTM D888-09(C)
DO	4.37 mg/L		ASTM D888-09(C)
Specific Conductance (Field)	427.4 umho/cm		SM2510B
Temperature	22.6 °C		SM2550B(2)
Turbidity (Hach)	37.9 NTU		180.1
pH (Field)	7.4 SU		150.2
Air Temp	4 Lookup		Observation
Sky Conditions	4 Lookup		Observation
Wind Direction	27 Lookup		Observation
Wind Strength	0 Lookup		Observation
Lab ID #: 50410498011	Result	Reporting Limit	Method

Alkalinity (as CaCO3)	171 mg/L	10	SM2320B
Chloride	13.6 mg/L	0.25	300.0
Hardness (as CaCO3)	180 mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	22 mg/L	5	SM2540D
Solids, Total (TS)	232 mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	205 mg/L	10	SM2540C
Sulfate	22.8 mg/L	0.25	300.0
COD	10.1 mg/L	10	410.4
Nitrogen, Ammonia	< .1 mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.65 mg/L	0.1	353.2
Phosphorus, Total	.064 mg/L	0.05	365.1
TKN	.6 mg/L	0.5	351.2
TOC	3.1 mg/L	1	SM5310C

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

Lab ID #: AC45949		<u>Result</u>		<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)		> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli		2419.6	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0028

Sample Date: 8/25/2025

IDEM Sample #: AC45976

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	62.1	%		ASTM D888-09(C)
DO	5.76	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	482.2	umho/cm		SM2510B
Temperature	19	°C		SM2550B(2)
Turbidity (Hach)	14	NTU		180.1
pH (Field)	7.73	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 #: AC45976	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	76.7	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0028

Sample Date: 9/2/2025

IDEM Sample #: AC46003

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	58.5	%		ASTM D888-09(C)
DO	5.68	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	427.3	umho/cm		SM2510B
Temperature	16.9	°C		SM2550B(2)
Turbidity (Hach)	5.06	NTU		180.1
pH (Field)	7.82	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 #: AC46003	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	86.2	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0028

Sample Date: 9/8/2025

IDEM Sample #: AC46030

Water Flow Type Stagnant

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	57.9	%		ASTM D888-09(C)
DO	5.92	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	449.3	umho/cm		SM2510B
Temperature	14.4	°C		SM2550B(2)
Turbidity (Hach)	11.1	NTU		180.1
pH (Field)	7.71	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 #: AC46030	Result		Reporting Limit	Method
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

SiteID: WEL-09-0028

Sample Date: 9/17/2025

IDEM Sample #: AC46057

Water Flow Type Pool

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	49.9 %		ASTM D888-09(C)
	DO	4.51 mg/L		ASTM D888-09(C)
	Specific Conductance (Field)	451.2 umho/cm		SM2510B
	Temperature	20.1 °C		SM2550B(2)
	Turbidity (Hach)	6.31 NTU		180.1
	pH (Field)	7.55 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 #: 50412846011	Result		Reporting Limit	Method
	Alkalinity (as CaCO3)	176 mg/L	10	SM2320B
	Chloride	21.2 mg/L	0.25	300.0
	Hardness (as CaCO3)	195 mg/L	10	SM2340B
	Solids, Suspended Total, (TSS)	5.3 mg/L	2.5	SM2540D
	Solids, Total (TS)	274 mg/L	10	SM2540B
	Solids, Total Dissolved (TDS)	255 mg/L	10	SM2540C
	Sulfate	36.7 mg/L	0.25	300.0
	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	.055 mg/L	0.05	365.1
	TKN	< .5 mg/L	0.5	351.2
	TOC	3.1 mg/L	1	SM5310C
Lab ID #: AC46057	Result		Reporting Limit	Method
	Coliforms (Total)	> 2419.6 MPN/100mL	2419.6	SM9223B
	E. coli	116.2 MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0028

Sample Date: 10/8/2025

IDEM Sample #: AC46586

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	54	%		ASTM D888-09(C)
DO	5.23	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	431.5	umho/cm		SM2510B
Temperature	16.5	°C		SM2550B(2)
Turbidity (Hach)	11.3	NTU		180.1
pH (Field)	7.55	SU		150.2
Air Temp	3	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation
Lab ID #: 50414704011	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	154	mg/L	10	SM2320B
Chloride	19	mg/L	0.25	300.0
Hardness (as CaCO3)	194	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	8.3	mg/L	3	SM2540D
Solids, Total (TS)	265	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	239	mg/L	10	SM2540C
Sulfate	46.6	mg/L	0.25	300.0
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	.052	mg/L	0.05	365.1
TKN	1.1	mg/L	0.5	351.2
TOC	3.8	mg/L	1	SM5310C
Lab ID #: AC46586	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	435.2	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	8 - Rain	0	North (0 Degrees)	0 - Calm	1 - < 32
2 - scattered	9 - Snow	9	East (90 Degrees)	1 - Light	2 - 33-45
3 - Partly	10 - Sleet	18	South (180 Degrees)	2 - Mod./Light	3 - 46-60
4 - Cloudy		27	West (270 Degrees)	3 - Moderate	4 - 61-75
5 - Mist				4 - Mod./Strong	5 - 76-85
6 - Fog				5 - Strong	6 - > 86
7 - Shower				6 - Gale	

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

SiteID: WEL-09-0029 **USGS Hydrologic Unit:** 051202080901
Stream Name: Indian Creek **County:** Monroe
Description: Harmony Road **Latitude:** 39 6 29.66 **Longitude:** -86 38 17.70
Drainage: 5.427 **Site Number:** 25T-028

SiteID: WEL-09-0029 **Sample Date:** 8/20/2025 **IDEM Sample #:** AC45950
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	35.2	%		ASTM D888-09(C)
DO	3.14	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	535	umho/cm		SM2510B
Temperature	21.1	°C		SM2550B(2)
Turbidity (Hach)	6.48	NTU		180.1
pH (Field)	7.32	SU		150.2
Air Temp	4	Lookup		Observation
Sky Conditions	4	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
Lab ID #: 50410498012	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	238	mg/L	10	SM2320B
Chloride	16.6	mg/L	0.25	300.0
Hardness (as CaCO3)	258	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	4.4	mg/L	2.5	SM2540D
Solids, Total (TS)	289	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	286	mg/L	10	SM2540C
Sulfate	24.7	mg/L	0.25	300.0
COD	< 10	mg/L	10	410.4
Nitrogen, Ammonia	.15	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	1.1	mg/L	0.1	353.2
Phosphorus, Total	< .05	mg/L	0.05	365.1
TKN	.81	mg/L	0.5	351.2
TOC	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 #: AC45950		<u>Result</u>		<u>Reporting Limit</u>	<u>Method</u>
E. coli		920.8	MPN/100mL	1	SM9223B
Lab ID #: AC45950b		<u>Result</u>		<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)		22470	MPN/100mL	100	SM9223B

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

SiteID: WEL-09-0029

Sample Date: 8/25/2025

IDEM Sample #: AC45977

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	59.9	%		ASTM D888-09(C)
DO	5.68	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	506	umho/cm		SM2510B
Temperature	17.8	°C		SM2550B(2)
Turbidity (Hach)	50.5	NTU		180.1
pH (Field)	7.42	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 #: AC45977	Result		Reporting Limit	Method
E. coli	365.4	MPN/100mL	1	SM9223B
Lab ID #: AC45977b	Result		Reporting Limit	Method
Coliforms (Total)	8600	MPN/100mL	100	SM9223B

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

SiteID: WEL-09-0029

Sample Date: 9/2/2025

IDEM Sample #: AC46004

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	56.4	%		ASTM D888-09(C)
DO	5.48	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	542	umho/cm		SM2510B
Temperature	16.7	°C		SM2550B(2)
Turbidity (Hach)	7.56	NTU		180.1
pH (Field)	7.52	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 #: AC46004	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	461.1	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0029

Sample Date: 9/8/2025

IDEM Sample #: AC46031

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	54.6	%		ASTM D888-09(C)
DO	5.58	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	557	umho/cm		SM2510B
Temperature	14.3	°C		SM2550B(2)
Turbidity (Hach)	4.07	NTU		180.1
pH (Field)	7.51	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 #: AC46031	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	298.7	MPN/100mL	1	SM9223B

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

SiteID: WEL-09-0029

Sample Date: 9/17/2025

IDEM Sample #: AC46058

Water Flow Type Pool

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	62 %		ASTM D888-09(C)
	DO	5.59 mg/L		ASTM D888-09(C)
	Specific Conductance (Field)	581 umho/cm		SM2510B
	Temperature	20.3 °C		SM2550B(2)
	Turbidity (Hach)	4.24 NTU		180.1
	pH (Field)	7.42 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 #: 50412846012	Result		Reporting Limit	Method
	Alkalinity (as CaCO3)	245 mg/L	10	SM2320B
	Chloride	18.5 mg/L	0.25	300.0
	Hardness (as CaCO3)	273 mg/L	10	SM2340B
	Solids, Suspended Total, (TSS)	3.6 mg/L	2.5	SM2540D
	Solids, Total (TS)	368 mg/L	10	SM2540B
	Solids, Total Dissolved (TDS)	340 mg/L	10	SM2540C
	Sulfate	46.1 mg/L	0.25	300.0
	COD	< 10 mg/L	10	410.4
	Nitrogen, Ammonia	< .1 mg/L	0.1	350.1
	Nitrogen, Nitrate+Nitrite	.45 mg/L	0.1	353.2
	Phosphorus, Total	.14 mg/L	0.05	365.1
	TKN	< .5 mg/L	0.5	351.2
	TOC	2.6 mg/L	1	SM5310C
Lab ID #: AC46058	Result		Reporting Limit	Method
	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

SiteID: WEL-09-0029

Sample Date: 10/8/2025

IDEM Sample #: AC46587

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	38.6	%		ASTM D888-09(C)
DO	3.79	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	574	umho/cm		SM2510B
Temperature	16.1	°C		SM2550B(2)
Turbidity (Hach)	5.83	NTU		180.1
pH (Field)	7.34	SU		150.2
Air Temp	3	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation
Lab ID #: 50414704012	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	240	mg/L	10	SM2320B
Chloride	19.6	mg/L	0.25	300.0
Hardness (as CaCO3)	278	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	15.4	mg/L	2.7	SM2540D
Solids, Total (TS)	351	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	321	mg/L	10	SM2540C
Sulfate	41.4	mg/L	0.25	300.0
COD	< 10	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.64	mg/L	0.1	353.2
Phosphorus, Total	.072	mg/L	0.05	365.1
TKN	1.3	mg/L	0.5	351.2
TOC	2.6	mg/L	1	SM5310C
Lab ID #: AC46587	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
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**

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

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

SiteID: WEL110-0001 USGS Hydrologic Unit: 051202080903
Stream Name: Indian Creek County: Greene
Description: SR 58 Latitude: 38 54 59.34 Longitude: -86 41 27.97
Drainage: 71.957 Site Number: 25T-019

SiteID: WEL110-0001 Sample Date: 8/19/2025 IDEM Sample #: AC45947
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	71 %		ASTM D888-09(C)
DO	5.73 mg/L		ASTM D888-09(C)
Specific Conductance (Field)	326.3 umho/cm		SM2510B
Temperature	26.3 °C		SM2550B(2)
Turbidity (Hach)	6.21 NTU		180.1
pH (Field)	7.66 SU		150.2
Air Temp	6 Lookup		Observation
Sky Conditions	1 Lookup		Observation
Wind Direction	27 Lookup		Observation
Wind Strength	0 Lookup		Observation
Lab ID #: 50410498001	Result	Reporting Limit	Method

Alkalinity (as CaCO3)	147 mg/L	10	SM2320B
Chloride	7.1 mg/L	0.25	300.0
Hardness (as CaCO3)	154 mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	8.8 mg/L	2.5	SM2540D
Solids, Total (TS)	160 mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	164 mg/L	10	SM2540C
Sulfate	15.5 mg/L	0.25	300.0
COD	13.1 mg/L	10	410.4
Nitrogen, Ammonia	< .1 mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.27 mg/L	0.1	353.2
Phosphorus, Total	.084 mg/L	0.05	365.1
TKN	< .5 mg/L	0.5	351.2
TOC	2.6 mg/L	1	SM5310C

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

Lab ID #: AC45947		<u>Result</u>		<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)		> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli		67	MPN/100mL	1	SM9223B

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

SiteID: WEL110-0001

Sample Date: 8/25/2025

IDEM Sample #: AC45974

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	86.8	%		ASTM D888-09(C)
DO	7.68	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	350.3	umho/cm		SM2510B
Temperature	21.2	°C		SM2550B(2)
Turbidity (Hach)	7.83	NTU		180.1
pH (Field)	7.78	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 #: AC45974	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	73.3	MPN/100mL	1	SM9223B

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

SiteID: WEL110-0001

Sample Date: 9/2/2025

IDEM Sample #: AC46001

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	61.1	%		ASTM D888-09(C)
DO	5.7	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	356	umho/cm		SM2510B
Temperature	18.7	°C		SM2550B(2)
Turbidity (Hach)	5.55	NTU		180.1
pH (Field)	7.7	SU		150.2
Air Temp	5	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
Lab ID #: AC46001	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	83.3	MPN/100mL	1	SM9223B

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

SiteID: WEL110-0001

Sample Date: 9/8/2025

IDEM Sample #: AC46028

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	69.4	%		ASTM D888-09(C)
DO	6.81	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	357.2	umho/cm		SM2510B
Temperature	16.3	°C		SM2550B(2)
Turbidity (Hach)	5.58	NTU		180.1
pH (Field)	7.74	SU		150.2
Air Temp	5	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
Lab ID #: AC46028	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	108.1	MPN/100mL	1	SM9223B

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

SiteID: WEL110-0001

Sample Date: 9/15/2025

IDEM Sample #: AC46055

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	65.8	%		ASTM D888-09(C)
DO	5.95	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	359.9	umho/cm		SM2510B
Temperature	20.9	°C		SM2550B(2)
Turbidity (Hach)	4.48	NTU		180.1
pH (Field)	7.59	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 #: 50412846001	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	155	mg/L	10	SM2320B
Chloride	9.3	mg/L	0.25	300.0
Hardness (as CaCO3)	161	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	< 2.5	mg/L	2.5	SM2540D
Solids, Total (TS)	202	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	188	mg/L	10	SM2540C
Sulfate	24.4	mg/L	0.25	300.0
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	3.5	mg/L	1	SM5310C
Lab ID #: AC46055	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	43.7	MPN/100mL	1	SM9223B

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

SiteID: WEL110-0001

Sample Date: 10/6/2025

IDEM Sample #: AC46584

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	57.5 %		ASTM D888-09(C)
	DO	5.32 mg/L		ASTM D888-09(C)
	Specific Conductance (Field)	356.2 umho/cm		SM2510B
	Temperature	19 °C		SM2550B(2)
	Turbidity (Hach)	5.35 NTU		180.1
	pH (Field)	7.54 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 #: 50414704001	Result		Reporting Limit	Method
	Alkalinity (as CaCO3)	154 mg/L	10	SM2320B
	Chloride	9.8 mg/L	0.25	300.0
	Hardness (as CaCO3)	160 mg/L	10	SM2340B
	Solids, Suspended Total, (TSS)	3.3 mg/L	2.6	SM2540D
	Solids, Total (TS)	212 mg/L	10	SM2540B
	Solids, Total Dissolved (TDS)	180 mg/L	10	SM2540C
	Sulfate	20 mg/L	0.25	300.0
	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	1 mg/L	0.5	351.2
	TOC	1.3 mg/L	1	SM5310C
Lab ID #: AC46584	Result		Reporting Limit	Method
	Coliforms (Total)	> 2419.6 MPN/100mL	2419.6	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**

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

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

SiteID: WEL110-0002 **USGS Hydrologic Unit:** 051202080906
Stream Name: Indian Creek **County:** Martin
Description: SR 450, near Trinity Springs **Latitude:** 38 45 20.68 **Longitude:** -86 45 24.09
Drainage: 161.395 **Site Number:** 25T-003

SiteID: WEL110-0002 **Sample Date:** 8/18/2025 **IDEM Sample #:** AC45956
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	67.3	%		ASTM D888-09(C)
DO	5.51	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	396.4	umho/cm		SM2510B
Temperature	25.3	°C		SM2550B(2)
Turbidity (Hach)	15	NTU		180.1
pH (Field)	7.58	SU		150.2
Air Temp	5	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
Lab ID #: 50410498027	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	152	mg/L	10	SM2320B
Chloride	6.4	mg/L	0.25	300.0
Hardness (as CaCO3)	186	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	10.2	mg/L	2.5	SM2540D
Solids, Total (TS)	237	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	217	mg/L	10	SM2540C
Sulfate	45.5	mg/L	2.5	300.0
COD	13.1	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.42	mg/L	0.1	353.2
Phosphorus, Total	< .05	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	2.8	mg/L	1	SM5310C

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

Lab ID #: AC45956		<u>Result</u>		<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)		> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli		298.7	MPN/100mL	1	SM9223B

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

SiteID: WEL110-0002

Sample Date: 8/26/2025

IDEM Sample #: AC45983

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	73.6	%		ASTM D888-09(C)
DO	6.81	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	430	umho/cm		SM2510B
Temperature	19.1	°C		SM2550B(2)
Turbidity (Hach)	8.34	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 #: AC45983	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	387.3	MPN/100mL	1	SM9223B

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

SiteID: WEL110-0002

Sample Date: 9/3/2025

IDEM Sample #: AC46010

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	69.1	%		ASTM D888-09(C)
DO	6.35	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	540	umho/cm		SM2510B
Temperature	18.9	°C		SM2550B(2)
Turbidity (Hach)	7.24	NTU		180.1
pH (Field)	7.77	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 #: AC46010	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	365.4	MPN/100mL	1	SM9223B

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

SiteID: WEL110-0002

Sample Date: 9/9/2025

IDEM Sample #: AC46037

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	72	%		ASTM D888-09(C)
DO	7.09	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	537	umho/cm		SM2510B
Temperature	16.2	°C		SM2550B(2)
Turbidity (Hach)	7.26	NTU		180.1
pH (Field)	7.78	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 #: AC46037	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	107.1	MPN/100mL	1	SM9223B

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

SiteID: WEL110-0002

Sample Date: 9/16/2025

IDEM Sample #: AC46064

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	70.4 %		ASTM D888-09(C)
	DO	6.35 mg/L		ASTM D888-09(C)
	Specific Conductance (Field)	590 umho/cm		SM2510B
	Temperature	20.7 °C		SM2550B(2)
	Turbidity (Hach)	6.49 NTU		180.1
	pH (Field)	7.71 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 #: 50412846027	Result		Reporting Limit	Method
	Alkalinity (as CaCO3)	176 mg/L	10	SM2320B
	Chloride	12.5 mg/L	0.25	300.0
	Hardness (as CaCO3)	296 mg/L	10	SM2340B
	Solids, Suspended Total, (TSS)	6 mg/L	2.5	SM2540D
	Solids, Total (TS)	435 mg/L	10	SM2540B
	Solids, Total Dissolved (TDS)	389 mg/L	10	SM2540C
	Sulfate	134 mg/L	2.5	300.0
	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	.056 mg/L	0.05	365.1
	TKN	< .5 mg/L	0.5	351.2
	TOC	3.3 mg/L	1	SM5310C
Lab ID #: AC46064	Result		Reporting Limit	Method
	Coliforms (Total)	> 2419.6 MPN/100mL	2419.6	SM9223B
	E. coli	248.9 MPN/100mL	1	SM9223B

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

SiteID: WEL110-0002

Sample Date: 10/7/2025

IDEM Sample #: AC46593

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	49.2	%		ASTM D888-09(C)
DO	4.55	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	528	umho/cm		SM2510B
Temperature	19	°C		SM2550B(2)
Turbidity (Hach)	5.13	NTU		180.1
pH (Field)	7.45	SU		150.2
Air Temp	4	Lookup		Observation
Sky Conditions	5	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation
Lab ID #: 50414704027	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	173	mg/L	10	SM2320B
Chloride	10.2	mg/L	0.25	300.0
Hardness (as CaCO3)	262	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	7.4	mg/L	2.7	SM2540D
Solids, Total (TS)	347	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	321	mg/L	10	SM2540C
Sulfate	92.5	mg/L	2.5	300.0
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	< .05	mg/L	0.05	365.1
TKN	1.2	mg/L	0.5	351.2
TOC	3.2	mg/L	1	SM5310C
Lab ID #: AC46593	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	8 - Rain	0	North (0 Degrees)	0 - Calm	1 - < 32
2 - scattered	9 - Snow	9	East (90 Degrees)	1 - Light	2 - 33-45
3 - Partly	10 - Sleet	18	South (180 Degrees)	2 - Mod./Light	3 - 46-60
4 - Cloudy		27	West (270 Degrees)	3 - Moderate	4 - 61-75
5 - Mist				4 - Mod./Strong	5 - 76-85
6 - Fog				5 - Strong	6 - > 86
7 - Shower				6 - Gale	

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

SiteID: WEL110-0003 **USGS Hydrologic Unit:** 051202080905
Stream Name: Little Sulphur Creek **County:** Martin
Description: Hollow Lane **Latitude:** 38 48 24.97 **Longitude:** -86 44 52.00
Drainage: 5.2305 **Site Number:** 25T-006

SiteID: WEL110-0003 **Sample Date:** 8/18/2025 **IDEM Sample #:** AC45953
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	78.6	%		ASTM D888-09(C)
DO	6.4	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	228.1	umho/cm		SM2510B
Temperature	26	°C		SM2550B(2)
Turbidity (Hach)	19.4	NTU		180.1
pH (Field)	7.27	SU		150.2
Air Temp	6	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
Lab ID #: 50410498015	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	103	mg/L	10	SM2320B
Chloride	1.5	mg/L	0.25	300.0
Hardness (as CaCO3)	107	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	10.8	mg/L	3.3	SM2540D
Solids, Total (TS)	117	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	120	mg/L	10	SM2540C
Sulfate	16.7	mg/L	0.25	300.0
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	.061	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	1.8	mg/L	1	SM5310C

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

Lab ID #: AC45953		<u>Result</u>		<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)		> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli		105.4	MPN/100mL	1	SM9223B

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

SiteID: WEL110-0003

Sample Date: 8/26/2025

IDEM Sample #: AC45980

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	75.3	%		ASTM D888-09(C)
DO	7.13	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	256.3	umho/cm		SM2510B
Temperature	18	°C		SM2550B(2)
Turbidity (Hach)	9.54	NTU		180.1
pH (Field)	7.5	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 #: AC45980	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	209.8	MPN/100mL	1	SM9223B

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

SiteID: WEL110-0003

Sample Date: 9/3/2025

IDEM Sample #: AC46007

Water Flow Type Stagnant

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	66.2	%		ASTM D888-09(C)
DO	6.33	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	264.9	umho/cm		SM2510B
Temperature	17.5	°C		SM2550B(2)
Turbidity (Hach)	8.9	NTU		180.1
pH (Field)	7.48	SU		150.2
Air Temp	5	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
Lab ID #: AC46007	Result		Reporting Limit	Method
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: WEL110-0003

Sample Date: 9/9/2025

IDEM Sample #: AC46034

Water Flow Type Pool

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	69.7	%		ASTM D888-09(C)
DO	7.11	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	275.4	umho/cm		SM2510B
Temperature	14.7	°C		SM2550B(2)
Turbidity (Hach)	8.65	NTU		180.1
pH (Field)	7.55	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 #: AC46034	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
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

SiteID: WEL110-0003

Sample Date: 9/16/2025

IDEM Sample #: AC46061

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	53.5	%		ASTM D888-09(C)
DO	4.79	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	283.5	umho/cm		SM2510B
Temperature	20.7	°C		SM2550B(2)
Turbidity (Hach)	5.64	NTU		180.1
pH (Field)	7.38	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 #: 50412846015	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	126	mg/L	10	SM2320B
Chloride	2.3	mg/L	0.25	300.0
Hardness (as CaCO3)	128	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	2.6	mg/L	2.5	SM2540D
Solids, Total (TS)	154	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	154	mg/L	10	SM2540C
Sulfate	22.2	mg/L	0.25	300.0
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	< .05	mg/L	0.05	365.1
TKN	.81	mg/L	0.5	351.2
TOC	2.7	mg/L	1	SM5310C
Lab ID #: AC46061	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	186	MPN/100mL	1	SM9223B

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

SiteID: WEL110-0003

Sample Date: 10/7/2025

IDEM Sample #: AC46590

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	49.4	%		ASTM D888-09(C)
DO	4.55	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	269.1	umho/cm		SM2510B
Temperature	19.3	°C		SM2550B(2)
Turbidity (Hach)	9.81	NTU		180.1
pH (Field)	7.28	SU		150.2
Air Temp	4	Lookup		Observation
Sky Conditions	7	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation
Lab ID #: 50414704015	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	112	mg/L	10	SM2320B
Chloride	2.8	mg/L	0.25	300.0
Hardness (as CaCO3)	126	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	3.4	mg/L	2.8	SM2540D
Solids, Total (TS)	145	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	129	mg/L	10	SM2540C
Sulfate	23.7	mg/L	0.25	300.0
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	1.1	mg/L	0.5	351.2
TOC	2.6	mg/L	1	SM5310C
Lab ID #: AC46590	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	8 - Rain	0	North (0 Degrees)	0 - Calm	1 - < 32
2 - scattered	9 - Snow	9	East (90 Degrees)	1 - Light	2 - 33-45
3 - Partly	10 - Sleet	18	South (180 Degrees)	2 - Mod./Light	3 - 46-60
4 - Cloudy		27	West (270 Degrees)	3 - Moderate	4 - 61-75
5 - Mist				4 - Mod./Strong	5 - 76-85
6 - Fog				5 - Strong	6 - > 86
7 - Shower				6 - Gale	

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

SiteID: WEL110-0005 **USGS Hydrologic Unit:** 051202080903
Stream Name: Spring Creek **County:** Lawrence
Description: Armstrong Station Road **Latitude:** 38 54 33.18 **Longitude:** -86 39 18.64
Drainage: 12.9485 **Site Number:** 25T-018

SiteID: WEL110-0005 **Sample Date:** 8/19/2025 **IDEM Sample #:** AC45965
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	94.7	%		ASTM D888-09(C)
DO	8.21	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	477.3	umho/cm		SM2510B
Temperature	22.3	°C		SM2550B(2)
Turbidity (Hach)	9.25	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
Lab ID #: 50410498003	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	198	mg/L	10	SM2320B
Chloride	6.7	mg/L	0.25	300.0
Hardness (as CaCO3)	250	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	4	mg/L	2.5	SM2540D
Solids, Total (TS)	271	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	254	mg/L	10	SM2540C
Sulfate	43.3	mg/L	2.5	300.0
COD	< 10	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	1.1	mg/L	0.1	353.2
Phosphorus, Total	< .05	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	1.4	mg/L	1	SM5310C

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

Lab ID #: AC45965		<u>Result</u>		<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)		> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli		1413.6	MPN/100mL	1	SM9223B

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

SiteID: WEL110-0005

Sample Date: 8/25/2025

IDEM Sample #: AC45992

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	90.1	%		ASTM D888-09(C)
DO	8.55	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	473	umho/cm		SM2510B
Temperature	17.9	°C		SM2550B(2)
Turbidity (Hach)	6.94	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	1	Lookup		Observation
Lab ID #: AC45992	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	1046.2	MPN/100mL	1	SM9223B

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

SiteID: WEL110-0005

Sample Date: 9/2/2025

IDEM Sample #: AC46019

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	82.9	%		ASTM D888-09(C)
DO	7.87	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	521	umho/cm		SM2510B
Temperature	17.9	°C		SM2550B(2)
Turbidity (Hach)	5.86	NTU		180.1
pH (Field)	7.9	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 #: AC46019	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	920.8	MPN/100mL	1	SM9223B

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

SiteID: WEL110-0005

Sample Date: 9/8/2025

IDEM Sample #: AC46046

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	87.1	%		ASTM D888-09(C)
DO	8.74	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	502	umho/cm		SM2510B
Temperature	15.2	°C		SM2550B(2)
Turbidity (Hach)	3.43	NTU		180.1
pH (Field)	7.99	SU		150.2
Air Temp	5	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
Lab ID #: AC46046	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: WEL110-0005

Sample Date: 9/15/2025

IDEM Sample #: AC46073

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	77.4	%		ASTM D888-09(C)
DO	6.9	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	504	umho/cm		SM2510B
Temperature	21	°C		SM2550B(2)
Turbidity (Hach)	2.44	NTU		180.1
pH (Field)	7.74	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 #: 50412846003	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	207	mg/L	10	SM2320B
Chloride	7.2	mg/L	0.25	300.0
Hardness (as CaCO3)	242	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	3.3	mg/L	2.5	SM2540D
Solids, Total (TS)	315	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	288	mg/L	10	SM2540C
Sulfate	56.8	mg/L	2.5	300.0
COD	< 10	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.7	mg/L	0.1	353.2
Phosphorus, Total	.058	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	1.8	mg/L	1	SM5310C
Lab ID #: AC46073	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	290.9	MPN/100mL	1	SM9223B

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

SiteID: WEL110-0005

Sample Date: 10/6/2025

IDEM Sample #: AC46602

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	73.2	%		ASTM D888-09(C)
DO	6.85	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	519	umho/cm		SM2510B
Temperature	18.5	°C		SM2550B(2)
Turbidity (Hach)	2.41	NTU		180.1
pH (Field)	7.71	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 #: 50414704003	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	178	mg/L	10	SM2320B
Chloride	7.2	mg/L	0.25	300.0
Hardness (as CaCO3)	235	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	< 2.7	mg/L	2.7	SM2540D
Solids, Total (TS)	315	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	281	mg/L	10	SM2540C
Sulfate	80.2	mg/L	2.5	300.0
COD	< 10	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	1.3	mg/L	0.1	353.2
Phosphorus, Total	< .05	mg/L	0.05	365.1
TKN	.91	mg/L	0.5	351.2
TOC	3.3	mg/L	1	SM5310C
Lab ID #: AC46602	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	160.7	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	8 - Rain	0	North (0 Degrees)	0 - Calm	1 - < 32
2 - scattered	9 - Snow	9	East (90 Degrees)	1 - Light	2 - 33-45
3 - Partly	10 - Sleet	18	South (180 Degrees)	2 - Mod./Light	3 - 46-60
4 - Cloudy		27	West (270 Degrees)	3 - Moderate	4 - 61-75
5 - Mist				4 - Mod./Strong	5 - 76-85
6 - Fog				5 - Strong	6 - > 86
7 - Shower				6 - Gale	

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

SiteID: WEL110-0006 USGS Hydrologic Unit: 051202080903
Stream Name: Indian Creek County: Lawrence
Description: SR 54 Latitude: 38 57 2.52 Longitude: -86 40 30.77
Drainage: 60.7065 Site Number: 25T-021

SiteID: WEL110-0006 Sample Date: 8/20/2025 IDEM Sample #: AC45968
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	74.6	%		ASTM D888-09(C)
DO	6.51	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	468.5	umho/cm		SM2510B
Temperature	22.2	°C		SM2550B(2)
Turbidity (Hach)	8.56	NTU		180.1
pH (Field)	7.51	SU		150.2
Air Temp	4	Lookup		Observation
Sky Conditions	4	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
Lab ID #: 50410498006	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	168	mg/L	10	SM2320B
Chloride	9.8	mg/L	0.25	300.0
Hardness (as CaCO3)	172	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	7.3	mg/L	2.5	SM2540D
Solids, Total (TS)	196	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	180	mg/L	10	SM2540C
Sulfate	18.5	mg/L	0.25	300.0
TKN	< .5	mg/L	0.5	351.2
TOC	2.3	mg/L	1	SM5310C
Lab ID #: AC45968	Result		Reporting Limit	Method
E. coli	920.8	MPN/100mL	1	SM9223B

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

Lab ID #: AC45968b		<u>Result</u>		<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)		23820	MPN/100mL	100	SM9223B

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

SiteID: WEL110-0006

Sample Date: 8/25/2025

IDEM Sample #: AC45995

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	76.5	%		ASTM D888-09(C)
DO	7.08	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	452.9	umho/cm		SM2510B
Temperature	19.2	°C		SM2550B(2)
Turbidity (Hach)	6.79	NTU		180.1
pH (Field)	7.62	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 #: AC45995	Result		Reporting Limit	Method
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: WEL110-0006

Sample Date: 9/2/2025

IDEM Sample #: AC46022

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	74.9	%		ASTM D888-09(C)
DO	7.09	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	394	umho/cm		SM2510B
Temperature	18	°C		SM2550B(2)
Turbidity (Hach)	6.34	NTU		180.1
pH (Field)	7.79	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 #: AC46022	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	152.9	MPN/100mL	1	SM9223B

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

SiteID: WEL110-0006

Sample Date: 9/8/2025

IDEM Sample #: AC46049

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	76.1	%		ASTM D888-09(C)
DO	7.57	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	388.8	umho/cm		SM2510B
Temperature	15.7	°C		SM2550B(2)
Turbidity (Hach)	5.07	NTU		180.1
pH (Field)	7.76	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 #: AC46049	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	120.1	MPN/100mL	1	SM9223B

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

SiteID: WEL110-0006

Sample Date: 9/15/2025

IDEM Sample #: AC46076

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	105.5	%		ASTM D888-09(C)
DO	8.73	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	386	umho/cm		SM2510B
Temperature	24.7	°C		SM2550B(2)
Turbidity (Hach)	5.62	NTU		180.1
pH (Field)	7.71	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 #: 50412846006	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	157	mg/L	10	SM2320B
Chloride	12.8	mg/L	0.25	300.0
Hardness (as CaCO3)	171	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	4.3	mg/L	2.5	SM2540D
Solids, Total (TS)	235	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	216	mg/L	10	SM2540C
Sulfate	26	mg/L	0.25	300.0
COD	11.6	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	< .05	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	3.3	mg/L	1	SM5310C
Lab ID #: AC46076	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	248.9	MPN/100mL	1	SM9223B

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

SiteID: WEL110-0006

Sample Date: 10/6/2025

IDEM Sample #: AC46605

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	92	%		ASTM D888-09(C)
DO	8.33	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	390.3	umho/cm		SM2510B
Temperature	20.2	°C		SM2550B(2)
Turbidity (Hach)	4.17	NTU		180.1
pH (Field)	7.72	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 #: 50414704006	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	169	mg/L	10	SM2320B
Chloride	12.6	mg/L	0.25	300.0
Hardness (as CaCO3)	166	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	5.7	mg/L	2.7	SM2540D
Solids, Total (TS)	222	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	204	mg/L	10	SM2540C
Sulfate	22.4	mg/L	0.25	300.0
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	1.1	mg/L	0.5	351.2
TOC	3.2	mg/L	1	SM5310C
Lab ID #: AC46605	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	88.9	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	8 - Rain	0	North (0 Degrees)	0 - Calm	1 - < 32
2 - scattered	9 - Snow	9	East (90 Degrees)	1 - Light	2 - 33-45
3 - Partly	10 - Sleet	18	South (180 Degrees)	2 - Mod./Light	3 - 46-60
4 - Cloudy		27	West (270 Degrees)	3 - Moderate	4 - 61-75
5 - Mist				4 - Mod./Strong	5 - 76-85
6 - Fog				5 - Strong	6 - > 86
7 - Shower				6 - Gale	

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

SiteID: WEL110-0007 USGS Hydrologic Unit: 051202080902
Stream Name: Indian Creek County: Greene
Description: CR 235 South Latitude: 38 59 27.96 Longitude: -86 41 45.32
Drainage: 38.1355 Site Number: 25T-024

SiteID: WEL110-0007 Sample Date: 8/20/2025 IDEM Sample #: AC45970
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	70.9 %		ASTM D888-09(C)
DO	5.9 mg/L		ASTM D888-09(C)
Specific Conductance (Field)	385.7 umho/cm		SM2510B
Temperature	24.6 °C		SM2550B(2)
Turbidity (Hach)	6.69 NTU		180.1
pH (Field)	7.78 SU		150.2
Air Temp	4 Lookup		Observation
Sky Conditions	4 Lookup		Observation
Wind Direction	27 Lookup		Observation
Wind Strength	0 Lookup		Observation
Lab ID #: 50410498008	Result	Reporting Limit	Method

Alkalinity (as CaCO3)	166 mg/L	10	SM2320B
Chloride	11.7 mg/L	0.25	300.0
Hardness (as CaCO3)	184 mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	3.6 mg/L	2.5	SM2540D
Solids, Total (TS)	218 mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	200 mg/L	10	SM2540C
Sulfate	24.8 mg/L	0.25	300.0
COD	< 10 mg/L	10	410.4
Nitrogen, Ammonia	< .1 mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.25 mg/L	0.1	353.2
Phosphorus, Total	< .05 mg/L	0.05	365.1
TKN	< .5 mg/L	0.5	351.2
TOC	2.2 mg/L	1	SM5310C

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

Lab ID #: AC45970		<u>Result</u>		<u>Reporting Limit</u>	<u>Method</u>
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: WEL110-0007

Sample Date: 8/25/2025

IDEM Sample #: AC45997

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	77	%		ASTM D888-09(C)
DO	7.13	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	323.9	umho/cm		SM2510B
Temperature	19.7	°C		SM2550B(2)
Turbidity (Hach)	5.96	NTU		180.1
pH (Field)	7.79	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 #: AC45997	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	145	MPN/100mL	1	SM9223B

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

SiteID: WEL110-0007

Sample Date: 9/2/2025

IDEM Sample #: AC46024

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	73.1	%		ASTM D888-09(C)
DO	6.94	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	384.3	umho/cm		SM2510B
Temperature	17.9	°C		SM2550B(2)
Turbidity (Hach)	4.83	NTU		180.1
pH (Field)	7.83	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 #: AC46024	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	186	MPN/100mL	1	SM9223B

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

SiteID: WEL110-0007

Sample Date: 9/8/2025

IDEM Sample #: AC46051

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	68.4	%		ASTM D888-09(C)
DO	6.86	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	400.9	umho/cm		SM2510B
Temperature	15.2	°C		SM2550B(2)
Turbidity (Hach)	4.78	NTU		180.1
pH (Field)	7.72	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 #: AC46051	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	387.3	MPN/100mL	1	SM9223B

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

SiteID: WEL110-0007

Sample Date: 9/15/2025

IDEM Sample #: AC46078

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	81.7	%		ASTM D888-09(C)
DO	6.98	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	402.7	umho/cm		SM2510B
Temperature	23.2	°C		SM2550B(2)
Turbidity (Hach)	5.17	NTU		180.1
pH (Field)	7.64	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 #: 50412846008	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	161	mg/L	10	SM2320B
Chloride	13.3	mg/L	0.25	300.0
Hardness (as CaCO3)	181	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	< 2.5	mg/L	2.5	SM2540D
Solids, Total (TS)	249	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	224	mg/L	10	SM2540C
Sulfate	35.8	mg/L	0.25	300.0
COD	10.4	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	< .05	mg/L	0.05	365.1
TKN	.51	mg/L	0.5	351.2
TOC	3.4	mg/L	1	SM5310C
Lab ID #: AC46078	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	178.2	MPN/100mL	1	SM9223B

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

SiteID: WEL110-0007

Sample Date: 10/6/2025

IDEM Sample #: AC46607

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	62.2	%		ASTM D888-09(C)
DO	5.75	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	429.3	umho/cm		SM2510B
Temperature	19.1	°C		SM2550B(2)
Turbidity (Hach)	2.95	NTU		180.1
pH (Field)	7.64	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 #: 50414704008	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	169	mg/L	10	SM2320B
Chloride	15	mg/L	0.25	300.0
Hardness (as CaCO3)	204	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	< 2.8	mg/L	2.8	SM2540D
Solids, Total (TS)	267	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	235	mg/L	10	SM2540C
Sulfate	35.2	mg/L	0.25	300.0
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	1.1	mg/L	0.5	351.2
TOC	3.3	mg/L	1	SM5310C
Lab ID #: AC46607	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	435.2	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	8 - Rain	0	North (0 Degrees)	0 - Calm	1 - < 32
2 - scattered	9 - Snow	9	East (90 Degrees)	1 - Light	2 - 33-45
3 - Partly	10 - Sleet	18	South (180 Degrees)	2 - Mod./Light	3 - 46-60
4 - Cloudy		27	West (270 Degrees)	3 - Moderate	4 - 61-75
5 - Mist				4 - Mod./Strong	5 - 76-85
6 - Fog				5 - Strong	6 - > 86
7 - Shower				6 - Gale	

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

SiteID: WEL110-0008 **USGS Hydrologic Unit:** 051202080901
Stream Name: Indian Creek **County:** Greene
Description: Rockeast Road **Latitude:** 39 0 9.97 **Longitude:** -86 41 20.97
Drainage: 24.4275 **Site Number:** 25T-025

SiteID: WEL110-0008 **Sample Date:** 8/20/2025 **IDEM Sample #:** AC45971
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	66.8	%		ASTM D888-09(C)
DO	5.55	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	399.5	umho/cm		SM2510B
Temperature	24.8	°C		SM2550B(2)
Turbidity (Hach)	5.19	NTU		180.1
pH (Field)	7.74	SU		150.2
Air Temp	4	Lookup		Observation
Sky Conditions	4	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
Lab ID #: 50410498009	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	164	mg/L	10	SM2320B
Chloride	14.9	mg/L	0.25	300.0
Hardness (as CaCO3)	181	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	3	mg/L	2.5	SM2540D
Solids, Total (TS)	216	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	203	mg/L	10	SM2540C
Sulfate	27.9	mg/L	0.25	300.0
COD	< 10	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	< .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**

Lab ID #: AC45971		<u>Result</u>		<u>Reporting Limit</u>	<u>Method</u>
Coliforms (Total)		> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli		410.6	MPN/100mL	1	SM9223B

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

SiteID: WEL110-0008

Sample Date: 8/25/2025

IDEM Sample #: AC45998

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	73.2	%		ASTM D888-09(C)
DO	6.69	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	421	umho/cm		SM2510B
Temperature	19.8	°C		SM2550B(2)
Turbidity (Hach)	6.74	NTU		180.1
pH (Field)	7.68	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 #: AC45998	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	117.8	MPN/100mL	1	SM9223B

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

SiteID: WEL110-0008

Sample Date: 9/2/2025

IDEM Sample #: AC46025

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	69.9	%		ASTM D888-09(C)
DO	6.64	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	414.3	umho/cm		SM2510B
Temperature	17.7	°C		SM2550B(2)
Turbidity (Hach)	5.56	NTU		180.1
pH (Field)	7.66	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 #: AC46025	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	178.2	MPN/100mL	1	SM9223B

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

SiteID: WEL110-0008

Sample Date: 9/8/2025

IDEM Sample #: AC46052

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	67.8	%		ASTM D888-09(C)
DO	6.86	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	417.7	umho/cm		SM2510B
Temperature	14.9	°C		SM2550B(2)
Turbidity (Hach)	4.22	NTU		180.1
pH (Field)	7.68	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 #: AC46052	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	50.4	MPN/100mL	1	SM9223B

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

SiteID: WEL110-0008

Sample Date: 9/17/2025

IDEM Sample #: AC46079

Water Flow Type Pool

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	52.3	%		ASTM D888-09(C)
DO	4.89	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	408.9	umho/cm		SM2510B
Temperature	18.8	°C		SM2550B(2)
Turbidity (Hach)	3.84	NTU		180.1
pH (Field)	7.51	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 #: 50412846009	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	161	mg/L	10	SM2320B
Chloride	19	mg/L	0.25	300.0
Hardness (as CaCO3)	189	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	< 2.5	mg/L	2.5	SM2540D
Solids, Total (TS)	270	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	247	mg/L	10	SM2540C
Sulfate	42.8	mg/L	0.25	300.0
COD	10.9	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	< .05	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	3.9	mg/L	1	SM5310C
Lab ID #: AC46079	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	37.9	MPN/100mL	1	SM9223B

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

SiteID: WEL110-0008

Sample Date: 10/7/2025

IDEM Sample #: AC46608

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	72.6	%		ASTM D888-09(C)
DO	6.54	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	409.4	umho/cm		SM2510B
Temperature	20.4	°C		SM2550B(2)
Turbidity (Hach)	5.77	NTU		180.1
pH (Field)	7.66	SU		150.2
Air Temp	4	Lookup		Observation
Sky Conditions	3	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation
Lab ID #: 50414704009	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	152	mg/L	10	SM2320B
Chloride	18.1	mg/L	0.25	300.0
Hardness (as CaCO3)	182	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	< 2.7	mg/L	2.7	SM2540D
Solids, Total (TS)	232	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	221	mg/L	10	SM2540C
Sulfate	34.7	mg/L	0.25	300.0
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	1.2	mg/L	0.5	351.2
TOC	4.5	mg/L	1	SM5310C
Lab ID #: AC46608	Result		Reporting Limit	Method
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	410.6	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	8 - Rain	0	North (0 Degrees)	0 - Calm	1 - < 32
2 - scattered	9 - Snow	9	East (90 Degrees)	1 - Light	2 - 33-45
3 - Partly	10 - Sleet	18	South (180 Degrees)	2 - Mod./Light	3 - 46-60
4 - Cloudy		27	West (270 Degrees)	3 - Moderate	4 - 61-75
5 - Mist				4 - Mod./Strong	5 - 76-85
6 - Fog				5 - Strong	6 - > 86
7 - Shower				6 - Gale	