SiteID: WWL-08-0008 USGS Hydrologic Unit: 051202020804

Stream Name: White River County: Knox

Description: Apraw Road Latitude: 38 42 32.52 Longitude: -87 15 22.39

**Drainage:** 5061.386 **Site Number:** 24T-004

 SiteID:
 WWL-08-0008
 Sample Date: 4/23/2024
 IDEM Sample #: AC39876

Water Flow Type Flood Water Appearance Murky Water Depth □Algae?

Water Flow (cf/sec): □Flow Estimated? □Aquatic Life? Canopy Closed % 0-20%

**Sample Comments:** 

Lab ID #:	Result		Reporting Limit	Method
% Sat	84.8	%		ASTM D888-09(C)
DO	8.45	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	520	umho/cm		SM2510B
Temperature	15.5	°C		SM2550B(2)
Turbidity (Hach)	42.2	NTU		180.1
pH (Field)	8.05	SU		150.2
Air Temp	4	Lookup		Observation
Sky Conditions	4	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	2	Lookup		Observation
<b>Lab ID #</b> : 50371444012	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	184	mg/L	10	SM2320B
Chloride	33.5	mg/L	2.5	300.0
Hardness (as CaCO3)	223	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	48.3	mg/L	4.2	SM2540D
Solids, Total (TS)	344	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	251	mg/L	10	SM2540C
Sulfate	42.5	mg/L	0.25	300.0
Calcium	61300	ug/L	1000	200.7
Magnesium	17000	ug/L	1000	200.7
COD	25.2	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	.14	mg/L	0.05	365.1
TKN	.86	mg/L	0.5	351.2
TOC	4.8	mg/L	1	SM5310C

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Lab ID #: AC39876	Result	Reporting Limit	<u>Method</u>	
Coliforms (Total)	> 2419.6	MPN/100mL 2419.6	SM9223B	
E. coli	54.6	MPN/100mL 1	SM9223B	

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

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SiteID: WWL-08-0009 USGS Hydrologic Unit: 051202020804

Stream Name: White River County: Knox

Description:Washington RoadLatitude:384047.82Longitude:-871624.23

**Drainage:** 5068.863 **Site Number:** 24T-002

 SiteID:
 WWL-08-0009
 Sample Date: 2/20/2024
 IDEM Sample #: AC38463

Water Flow Type Run Water Appearance Green Water Depth 

Algae?

Water Flow (cf/sec): □Flow Estimated? □Aquatic Life? Canopy Closed % 0-20%

**Sample Comments:** 

Lab ID #:	Result		Reporting Limit	<u>Method</u>
% Sat	95.6	%		ASTM D888-09(C)
DO	12.31	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	772	umho/cm		SM2510B
Temperature	4.6	°C		SM2550B(2)
Turbidity (Hach)	13.4	NTU		180.1
pH (Field)	8.12	SU		150.2
Air Temp	3	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
<b>Lab ID #</b> : 50366362002	Result		Reporting Limit	<u>Method</u>
Alkalinity (as CaCO3)	219	mg/L	10	SM2320B
Chloride	72.3	mg/L	2.5	300.0
Hardness (as CaCO3)	289	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	11	mg/L	2.5	SM2540D
Solids, Total (TS)	433	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	474	mg/L	10	SM2540C
Sulfate	72	mg/L	2.5	300.0
Calcium	77900	ug/L	1000	200.7
Magnesium	23000	ug/L	1000	200.7
COD	13.9	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	2.2	mg/L	0.1	353.2
Phosphorus, Total	.1	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	2.8	mg/L	1	SM5310C

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SiteID:WWL-08-0009Sample Date:3/20/2024IDEM Sample #:AC39067Water Flow TypeRunWater AppearanceBrownWater Depth

water Flow Type Rull water Appearance Blown water Depth 

Algae?

Water Flow (cf/sec): □Flow Estimated? □Aquatic Life? Canopy Closed % 0-20%

**Sample Comments:** 

Lab ID #:	Result		Reporting Limit	<u>Method</u>
% Sat	91.6	%		ASTM D888-09(C)
DO	10.44	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	566	umho/cm		SM2510B
Temperature	9.5	°C		SM2550B(2)
Turbidity (Hach)	65.9	NTU		180.1
pH (Field)	7.95	SU		150.2
Air Temp	3	Lookup		Observation
Sky Conditions	3	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	3	Lookup		Observation
<b>Lab ID #:</b> 50368839002	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	172	mg/L	10	SM2320B
Chloride	45.6	mg/L	2.5	300.0
Hardness (as CaCO3)	236	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	81.4	mg/L	7.1	SM2540D
Solids, Total (TS)	375	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	284	mg/L	10	SM2540C
Sulfate	37.9	mg/L	2.5	300.0
Calcium	62600	ug/L	1000	200.7
Magnesium	19300	ug/L	1000	200.7
COD	18.4	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	2.1	mg/L	0.1	353.2
Phosphorus, Total	.2	mg/L	0.05	365.1
TKN	.95	mg/L	0.5	351.2
TOC	3.9	mg/L	1	SM5310C

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SiteID:WWL-08-0009Sample Date: 4/23/2024IDEM Sample #: AC39878Water Flow Type FloodWater Appearance MurkyWater Depth

□Algae?

Water Flow (cf/sec): □Flow Estimated? □Aquatic Life? Canopy Closed % 0-20%

**Sample Comments:** 

Lab ID #:	Result		Reporting Limit	<u>Method</u>
% Sat	90.5	%		ASTM D888-09(C
DO	9	mg/L		ASTM D888-09(C
Specific Conductance (Field)	558	umho/cm		SM2510B
Temperature	15.6	°C		SM2550B(2)
Turbidity (Hach)	52.5	NTU		180.1
pH (Field)	8.08	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 #: 50371444014	Result		Reporting Limit	<u>Method</u>
Alkalinity (as CaCO3)	199	mg/L	10	SM2320B
Chloride	36	mg/L	2.5	300.0
Hardness (as CaCO3)	243	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	55.3	mg/L	3.3	SM2540D
Solids, Total (TS)	393	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	284	mg/L	10	SM2540C
Sulfate	46.4	mg/L	0.25	300.0
Calcium	67200	ug/L	1000	200.7
Magnesium	18200	ug/L	1000	200.7
COD	19.9	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	1.7	mg/L	0.1	353.2
Phosphorus, Total	.17	mg/L	0.05	365.1
TKN	.74	mg/L	0.5	351.2
TOC	3.9	mg/L	1	SM5310C
<b>Lab ID #</b> : AC39878	<u>Result</u>		Reporting Limit	<u>Method</u>
E. coli	47.3	MPN/100mL	1	SM9223B

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<b>Lab ID #:</b> AC39878b	Result	Reporting Limit	<u>Method</u>	
Oulforms (Table)	0000 MPN/400 v.l	400	OMOGOD	
Coliforms (Total)	2090 MPN/100mL	100	SM9223B	

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

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SiteID: WWL-08-0010 USGS Hydrologic Unit: 051202020803

Stream Name: White River County: Daviess

**Description:** CR 650 North **Latitude:** 38 44 52.75 **Longitude:** -87 14 15.00

**Drainage:** 5026.501 **Site Number:** 24T-005

 SiteID:
 WWL-08-0010
 Sample Date:
 2/20/2024
 IDEM Sample #:
 AC38462

Water Flow Type Pool Water Appearance Green Water Depth 

Algae?

Water Flow (cf/sec): □Flow Estimated? □Aquatic Life? Canopy Closed % 0-20%

**Sample Comments:** 

Lab ID #:	<u>Result</u>		Reporting Limit	<u>Method</u>
% Sat	94	%		ASTM D888-09(C)
DO	12.19	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	736	umho/cm		SM2510B
Temperature	4.3	°C		SM2550B(2)
Turbidity (Hach)	11.5	NTU		180.1
pH (Field)	7.97	SU		150.2
Air Temp	2	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	0	Lookup		Observation
Lab ID #: 50366362001	<u>Result</u>		Reporting Limit	<u>Method</u>
Alkalinity (as CaCO3)	220	mg/L	10	SM2320B
Chloride	63.1	mg/L	2.5	300.0
Hardness (as CaCO3)	285	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	9	mg/L	2.5	SM2540D
Solids, Total (TS)	377	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	423	mg/L	10	SM2540C
Sulfate	67.4	mg/L	2.5	300.0
Calcium	77800	ug/L	1000	200.7
Magnesium	22100	ug/L	1000	200.7
COD	11.7	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	2.8	mg/L	1	SM5310C

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SiteID: WWL-08-0010 Sample Date: 3/20/2024 IDEM Sample #: AC39066

Water Flow Type Run Water Appearance Brown Water Depth

□Algae?

Water Flow (cf/sec): □Flow Estimated? □Aquatic Life? Canopy Closed % 0-20%

**Sample Comments:** 

ab ID #:	Result		Reporting Limit	Method
% Sat	90.3	%		ASTM D888-09(C)
DO	10.39	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	559	umho/cm		SM2510B
Temperature	9.1	°C		SM2550B(2)
Turbidity (Hach)	44.5	NTU		180.1
pH (Field)	7.99	SU		150.2
Air Temp	3	Lookup		Observation
Sky Conditions	3	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	3	Lookup		Observation
ab ID #: 50368839001	Result		Reporting Limit	<u>Method</u>
Alkalinity (as CaCO3)	172	mg/L	10	SM2320B
Chloride	42.8	mg/L	2.5	300.0
Hardness (as CaCO3)	228	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	25	mg/L	2.5	SM2540D
Solids, Total (TS)	362	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	284	mg/L	10	SM2540C
Sulfate	42.6	mg/L	0.25	300.0
Calcium	60800	ug/L	1000	200.7
Magnesium	18600	ug/L	1000	200.7
COD	15.6	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	2.2	mg/L	0.1	353.2
Phosphorus, Total	.19	mg/L	0.05	365.1
' '				
TKN	1	mg/L	0.5	351.2

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SiteID: WWL-08-0010 Sample Date: 4/22/2024 IDEM Sample #: AC39886

Water Flow Type Flood Water Appearance Murky Water Depth

□Algae?

Water Flow (cf/sec): □Flow Estimated? □Aquatic Life? Canopy Closed % 0-20%

**Sample Comments:** 

Lab ID #:	<u>Result</u>		Reporting Limit	<u>Method</u>
% Sat	94	%		ASTM D888-09(C)
DO	9.18	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	560	umho/cm		SM2510B
Temperature	16.4	°C		SM2550B(2)
Turbidity (Hach)	46.1	NTU		180.1
pH (Field)	8.09	SU		150.2
Air Temp	4	Lookup		Observation
Sky Conditions	2	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	3	Lookup		Observation
<b>Lab ID #:</b> 50371444007	Result		Reporting Limit	<u>Method</u>
Alkalinity (as CaCO3)	196	mg/L	10	SM2320B
Chloride	36.4	mg/L	2.5	300.0
Hardness (as CaCO3)	242	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	51.5	mg/L	3.8	SM2540D
Solids, Total (TS)	371	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	295	mg/L	10	SM2540C
Sulfate	45.1	mg/L	0.25	300.0
Calcium	67100	ug/L	1000	200.7
Magnesium	18100	ug/L	1000	200.7
COD	25	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	1.7	mg/L	0.1	353.2
Phosphorus, Total	.16	mg/L	0.05	365.1
TKN	.81	mg/L	0.5	351.2
TOC	4.2	mg/L	1	SM5310C
Lab ID #: AC39886	Result		Reporting Limit	<u>Method</u>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	55.6	MPN/100mL	1	SM9223B

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

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SiteID: WWL-08-0011 USGS Hydrologic Unit: 051202020802

Stream Name: Indian Creek County: Knox

**Description:** River Road **Latitude:** 38 44 22.77 **Longitude:** -87 15 49.72

**Drainage:** 30.469 **Site Number:** 24T-006

 SiteID:
 WWL-08-0011
 Sample Date: 2/20/2024
 IDEM Sample #: AC38464

Water Flow Type Run Water Appearance Green Water Depth 

Algae?

Water Flow (cf/sec): □Flow Estimated? □Aquatic Life? Canopy Closed % 0-20%

**Sample Comments:** 

Lab ID #:	Result		Reporting Limit	<u>Method</u>
% Sat	126.2	%		ASTM D888-09(C)
DO	15.15	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	927	umho/cm		SM2510B
Temperature	7.3	°C		SM2550B(2)
Turbidity (Hach)	11.5	NTU		180.1
pH (Field)	7.81	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 #: 50366362003	Result		Reporting Limit	<u>Method</u>
Alkalinity (as CaCO3)	209	mg/L	10	SM2320B
Chloride	46.7	mg/L	2.5	300.0
Hardness (as CaCO3)	412	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	3.8	mg/L	2.5	SM2540D
Solids, Total (TS)	607	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	637	mg/L	10	SM2540C
Sulfate	218	mg/L	2.5	300.0
Calcium	104000	ug/L	1000	200.7
Magnesium	36700	ug/L	1000	200.7
COD	13.6	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	1.8	mg/L	0.1	353.2
Phosphorus, Total	.1	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	2.6		1	SM5310C

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SiteID: WWL-08-0011 Sample Date: 3/20/2024 IDEM Sample #: AC39068

Water Flow Type Run Water Appearance Murky Water Depth

Water Flow (cf/sec): □Flow Estimated? □Aquatic Life? Canopy Closed % 0-20%

□Algae?

**Sample Comments:** 

Lab ID #:	<u>Result</u>		Reporting Limit	<u>Method</u>
% Sat	108.5	%		ASTM D888-09(C)
DO	12.56	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	875	umho/cm		SM2510B
Temperature	8.8	°C		SM2550B(2)
Turbidity (Hach)	6.74	NTU		180.1
pH (Field)	7.75	SU		150.2
Air Temp	3	Lookup		Observation
Sky Conditions	2	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	3	Lookup		Observation
<b>Lab ID #</b> : 50368839003	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	209	mg/L	10	SM2320B
Chloride	25.4	mg/L	2.5	300.0
Hardness (as CaCO3)	417	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	< 2.5	mg/L	2.5	SM2540D
Solids, Total (TS)	570	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	551	mg/L	10	SM2540C
Sulfate	207	mg/L	2.5	300.0
Calcium	101000	ug/L	1000	200.7
Magnesium	40100	ug/L	1000	200.7
COD	10.5	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	1.8	mg/L	0.1	353.2
Phosphorus, Total	.098	mg/L	0.05	365.1
TKN	.55	mg/L	0.5	351.2
TOC	3.3	mg/L	1	SM5310C

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SiteID: WWL-08-0011 Sample Date: 4/23/2024 IDEM Sample #: AC39875

Water Flow Type Flood Water Appearance Murky Water Depth

☐Flow Estimated?

Canopy Closed % 0-20%

□Algae?

Water Flow (cf/sec):
Sample Comments:

Lab ID #:	<u>Result</u>		Reporting Limit	<u>Method</u>
% Sat	55.4	%		ASTM D888-09(C)
DO	5.73	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	693	umho/cm		SM2510B
Temperature	13.8	°C		SM2550B(2)
Turbidity (Hach)	29.1	NTU		180.1
pH (Field)	7.39	SU		150.2
Air Temp	3	Lookup		Observation
Sky Conditions	4	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	3	Lookup		Observation
<b>Lab ID #:</b> 50371444011	<u>Result</u>		Reporting Limit	<u>Method</u>
Alkalinity (as CaCO3)	212	mg/L	10	SM2320B
Chloride	23.3	mg/L	0.25	300.0
Hardness (as CaCO3)	332	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	27.2	mg/L	5	SM2540D
Solids, Total (TS)	472	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	423	mg/L	10	SM2540C
Sulfate	134	mg/L	2.5	300.0
Calcium	86900	ug/L	1000	200.7
Magnesium	28000	ug/L	1000	200.7
COD	17.1	mg/L	10	410.4
Nitrogen, Ammonia	.18	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	1.5	mg/L	0.1	353.2
Phosphorus, Total	.12	mg/L	0.05	365.1
TKN	.81	mg/L	0.5	351.2
TOC	3.6	mg/L	1	SM5310C
<b>Lab ID #</b> : AC39875	Result		Reporting Limit	<u>Method</u>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	206.4	MPN/100mL	1	SM9223B

□Aquatic Life?

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

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SiteID: WWL-08-0012 USGS Hydrologic Unit: 051202020802

Stream Name: Pickel Ditch County: Knox

Description: McGlone Road Latitude: 38 45 29.17 Longitude: -87 16 17.34

**Drainage:** 15.845 **Site Number:** 24T-007

 SiteID:
 WWL-08-0012
 Sample Date: 4/23/2024
 IDEM Sample #: AC39874

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	<u>Method</u>
% Sat	63	%		ASTM D888-09(C)
DO	6.67	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	777	umho/cm		SM2510B
Temperature	12.7	°C		SM2550B(2)
Turbidity (Hach)	17.8	NTU		180.1
pH (Field)	7.42	SU		150.2
Air Temp	3	Lookup		Observation
Sky Conditions	3	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation
<b>Lab ID #</b> : 50371444010	<u>Result</u>		Reporting Limit	<u>Method</u>
Alkalinity (as CaCO3)	206	mg/L	10	SM2320B
Chloride	20.4	mg/L	0.25	300.0
Hardness (as CaCO3)	347	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	10.6	mg/L	2.5	SM2540D
Solids, Total (TS)	470	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	406	mg/L	10	SM2540C
Sulfate	144	mg/L	2.5	300.0
Calcium	91300	ug/L	1000	200.7
Magnesium	28800	ug/L	1000	200.7
COD	16.5	mg/L	10	410.4
Nitrogen, Ammonia	.18	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	1	mg/L	0.1	353.2
Phosphorus, Total	.16	mg/L	0.05	365.1
TKN	.7	mg/L	0.5	351.2
TOC	3.8	mg/L	1	SM5310C

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Lab ID #: AC39874	Result	Reporting Limit	<u>Method</u>	
Coliforms (Total	) > 2419.6	MPN/100mL 2419.6	SM9223B	
Collionns (Total	) > 2419.0	WFN/100IIL 2419.6	3W9223B	
E. co	li 46.5	MPN/100mL 1	SM9223B	

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

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SiteID: WWL-08-0013 USGS Hydrologic Unit: 051202020802

Stream Name: Indian Creek County: Knox

Description: Mine Road Latitude: 38 45 29.10 Longitude: -87 17 23.94

**Drainage:** 9.366 **Site Number:** 24T-008

 SiteID:
 WWL-08-0013
 Sample Date: 4/23/2024
 IDEM Sample #: AC39873

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	<u>Method</u>
% Sat	89.1	%		ASTM D888-09(C)
DO	9.52	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	630	umho/cm		SM2510B
Temperature	12.3	°C		SM2550B(2)
Turbidity (Hach)	6.8	NTU		180.1
pH (Field)	7.73	SU		150.2
Air Temp	3	Lookup		Observation
Sky Conditions	2	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation
<b>Lab ID #</b> : 50371444009	<u>Result</u>		Reporting Limit	<u>Method</u>
Alkalinity (as CaCO3)	175	mg/L	10	SM2320B
Chloride	29.7	mg/L	2.5	300.0
Hardness (as CaCO3)	284	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	4.4	mg/L	2.5	SM2540D
Solids, Total (TS)	406	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	349	mg/L	10	SM2540C
Sulfate	108	mg/L	2.5	300.0
Calcium	71500	ug/L	1000	200.7
Magnesium	25700	ug/L	1000	200.7
COD	14.6	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	3.7	mg/L	0.1	353.2
Phosphorus, Total	.082	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	3	mg/L	1	SM5310C

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Lab ID #: AC39873	Result		Reporting Limit	<u>Method</u>	
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B	
Collottiis (Total)	> 2419.0	IVIFIN/TOUTIL	2419.0	310192230	
E. coli	461.1	MPN/100mL	1	SM9223B	

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

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SiteID: WWL-08-0015 USGS Hydrologic Unit: 051202020803

Stream Name: White River County: Daviess

**Description:** CR 1000 North **Latitude:** 38 48 43.82 **Longitude:** -87 14 33.74

**Drainage:** 4976.339 **Site Number:** 24T-012

 SiteID:
 WWL-08-0015
 Sample Date: 4/23/2024
 IDEM Sample #: AC39885

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	<u>Method</u>
% Sat	93.1	%		ASTM D888-09(C)
DO	9.34	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	525	umho/cm		SM2510B
Temperature	15.2	°C		SM2550B(2)
Turbidity (Hach)	50.9	NTU		180.1
pH (Field)	8.1	SU		150.2
Air Temp	4	Lookup		Observation
Sky Conditions	4	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	4	Lookup		Observation
<b>Lab ID #</b> : 50371444006	<u>Result</u>		Reporting Limit	<u>Method</u>
Alkalinity (as CaCO3)	198	mg/L	10	SM2320B
Chloride	37	mg/L	2.5	300.0
Hardness (as CaCO3)	244	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	64.8	mg/L	4.1	SM2540D
Solids, Total (TS)	388	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	297	mg/L	10	SM2540C
Sulfate	43.2	mg/L	0.25	300.0
Calcium	67400	ug/L	1000	200.7
Magnesium	18200	ug/L	1000	200.7
COD	20.6	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	1.8	mg/L	0.1	353.2
Phosphorus, Total	.15	mg/L	0.05	365.1
TKN	.79	mg/L	0.5	351.2
TOC	3.8	mg/L	1	SM5310C

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Lab ID #: AC39885		Result		Reporting Limit	<u>Method</u>	
	E. coli	54.6	MPN/100mL	1	SM9223B	
<b>Lab ID #</b> : AC39885b		Result		Reporting Limit	<u>Method</u>	
	Coliforms (Total)	3550	MPN/100mL	100	SM9223B	

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

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SiteID: WWL-08-0016 USGS Hydrologic Unit: 051202020803

Stream Name: White River County: Daviess

Description: Dinkens Road Latitude: 38 48 48.99 Longitude: -87 12 59.01

**Drainage:** 4811.4725 **Site Number:** 24T-013

 SiteID:
 WWL-08-0016
 Sample Date: 2/20/2024
 IDEM Sample #: AC38465

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	<u>Method</u>
% Sat	98	%		ASTM D888-09(C)
DO	12.03	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	756	umho/cm		SM2510B
Temperature	6.4	°C		SM2550B(2)
Turbidity (Hach)	10.3	NTU		180.1
pH (Field)	8.13	SU		150.2
Air Temp	3	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation
<b>Lab ID #</b> : 50366362004	<u>Result</u>		Reporting Limit	<u>Method</u>
Alkalinity (as CaCO3)	221	mg/L	10	SM2320B
Chloride	75.5	mg/L	2.5	300.0
Hardness (as CaCO3)	288	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	9.2	mg/L	5	SM2540D
Solids, Total (TS)	436	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	481	mg/L	10	SM2540C
Sulfate	67.9	mg/L	2.5	300.0
Calcium	78100	ug/L	1000	200.7
Magnesium	22600	ug/L	1000	200.7
COD	16.9	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	3.1	mg/L	0.1	353.2
Phosphorus, Total	.14	mg/L	0.05	365.1
TKN	< .5	mg/L	0.5	351.2
TOC	3	mg/L	1	SM5310C

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SiteID:WWL-08-0016Sample Date:3/20/2024IDEM Sample #:AC39069Water Flow TypeRunWater AppearanceMurkyWater Depth

Water Flow (cf/sec): □Flow Estimated? □Aquatic Life? Canopy Closed % 0-20%

□Algae?

**Sample Comments:** 

Lab ID #:	<u>Result</u>		Reporting Limit	<u>Method</u>
% Sat	93.9	%		ASTM D888-09(C)
DO	10.48	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	545	umho/cm		SM2510B
Temperature	10.4	°C		SM2550B(2)
Turbidity (Hach)	63.9	NTU		180.1
pH (Field)	8.03	SU		150.2
Air Temp	3	Lookup		Observation
Sky Conditions	3	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	4	Lookup		Observation
<b>Lab ID #</b> : 50368839004	<u>Result</u>		Reporting Limit	<u>Method</u>
Alkalinity (as CaCO3)	172	mg/L	10	SM2320B
Chloride	42.2	mg/L	2.5	300.0
Hardness (as CaCO3)	227	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	62.2	mg/L	5	SM2540D
Solids, Total (TS)	335	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	290	mg/L	10	SM2540C
Sulfate	37.1	mg/L	0.25	300.0
Calcium	60500	ug/L	1000	200.7
Magnesium	18400	ug/L	1000	200.7
COD	23.1	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	2.3	mg/L	0.1	353.2
Phosphorus, Total	.2	mg/L	0.05	365.1
TKN	.91	mg/L	0.5	351.2
TOC	4.1	mg/L	1	SM5310C

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SiteID: WWL-08-0016 Sample Date: 4/22/2024 IDEM Sample #: AC39883

Water Flow Type Flood Water Appearance Murky Water Depth

Water Flow (cf/sec): □Flow Estimated? □Aquatic Life? Canopy Closed % 0-20%

□Algae?

**Sample Comments:** 

Lab ID #:	<u>Result</u>		Reporting Limit	<u>Method</u>
% Sat	97.8	%		ASTM D888-09(C)
DO	9.39	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	557	umho/cm		SM2510B
Temperature	17.2	°C		SM2550B(2)
Turbidity (Hach)	41.1	NTU		180.1
pH (Field)	8.13	SU		150.2
Air Temp	4	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation
<b>Lab ID #:</b> 50371444005	Result		Reporting Limit	<u>Method</u>
Alkalinity (as CaCO3)	197	mg/L	10	SM2320B
Chloride	37.4	mg/L	2.5	300.0
Hardness (as CaCO3)	239	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	56.7	mg/L	4.2	SM2540D
Solids, Total (TS)	356	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	284	mg/L	10	SM2540C
Sulfate	40.5	mg/L	0.25	300.0
Calcium	66300	ug/L	1000	200.7
Magnesium	17800	ug/L	1000	200.7
COD	19.9	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	1.7	mg/L	0.1	353.2
Phosphorus, Total	.22	mg/L	0.05	365.1
TKN	.75	mg/L	0.5	351.2
TOC	4	mg/L	1	SM5310C
Lab ID #: AC39883	Result		Reporting Limit	<u>Method</u>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	40.2	MPN/100mL	1	SM9223B

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

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SiteID: WWL-08-0017 USGS Hydrologic Unit: 051202020803

Stream Name: Pollard Ditch County: Knox

Description: Unnamed Farm Lane Latitude: 38 49 5.49 Longitude: -87 14 32.42

**Drainage:** 25.767 **Site Number:** 24T-014

 SiteID:
 WWL-08-0017
 Sample Date: 4/22/2024
 IDEM Sample #: AC39882

Water Flow Type Flood Water Appearance Murky Water Depth 

Algae?

Water Flow (cf/sec): □Flow Estimated? □Aquatic Life? Canopy Closed % 0-20%

**Sample Comments:** 

Lab ID #:	Result		Reporting Limit	<u>Method</u>
% Sat	37.5	%		ASTM D888-09(C)
DO	3.93	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	874	umho/cm		SM2510B
Temperature	13.1	°C		SM2550B(2)
Turbidity (Hach)	15.8	NTU		180.1
pH (Field)	7.37	SU		150.2
Air Temp	4	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	2	Lookup		Observation
<b>Lab ID #</b> : 50371444004	<u>Result</u>		Reporting Limit	<u>Method</u>
Alkalinity (as CaCO3)	224	mg/L	10	SM2320B
Chloride	20.6	mg/L	0.25	300.0
Hardness (as CaCO3)	391	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	15.1	mg/L	3.6	SM2540D
Solids, Total (TS)	590	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	521	mg/L	10	SM2540C
Sulfate	230	mg/L	2.5	300.0
Calcium	94800	ug/L	1000	200.7
Magnesium	37400	ug/L	1000	200.7
COD	18.9	mg/L	10	410.4
Nitrogen, Ammonia	.13	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	1.1	mg/L	0.1	353.2
Phosphorus, Total	.13	mg/L	0.05	365.1
TKN	.8	mg/L	0.5	351.2
TOC	4.5	mg/L	1	SM5310C

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Lab ID #: AC39882	Result	Reporting Limit	<u>Method</u>
Coliforms (Total)	> 2419.6 N	1PN/100mL 2419.6	SM9223B
E. coli	123.6 N	1PN/100mL 1	SM9223B

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

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SiteID: WWL-08-0018 USGS Hydrologic Unit: 051202020802

Stream Name: Purdy-Marsh Ditch County: Knox

Description: Snyder Road Latitude: 38 47 14.98 Longitude: -87 16 20.63

**Drainage:** 8.551 **Site Number:** 24T-010

 SiteID:
 WWL-08-0018
 Sample Date: 4/23/2024
 IDEM Sample #: AC39887

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	<u>Method</u>
% Sat	59.4	%		ASTM D888-09(C)
DO	6.35	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	879	umho/cm		SM2510B
Temperature	12.2	°C		SM2550B(2)
Turbidity (Hach)	11.1	NTU		180.1
pH (Field)	7.4	SU		150.2
Air Temp	2	Lookup		Observation
Sky Conditions	2	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	3	Lookup		Observation
Š		·		
<b>Lab ID #</b> : 50371444008	Result		Reporting Limit	<u>Method</u>
Alkalinity (as CaCO3)	193	mg/L	10	SM2320B
Chloride	19.8	mg/L	0.25	300.0
Hardness (as CaCO3)	482	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	10.2	mg/L	2.5	SM2540D
Solids, Total (TS)	643	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	588	mg/L	10	SM2540C
Sulfate	286	mg/L	2.5	300.0
Calcium	125000	ug/L	1000	200.7
Magnesium	41100	ug/L	1000	200.7
COD	16.6	mg/L	10	410.4
Nitrogen, Ammonia	.12	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	1.6	mg/L	0.1	353.2
Phosphorus, Total	.1	mg/L	0.05	365.1
TKN	.57	mg/L	0.5	351.2
TOC	3.2	mg/L	1	SM5310C

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Lab ID #: AC39887		Result		Reporting Limit	<u>Method</u>	
	Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B	
	E. coli	48.7	MPN/100mL	1	SM9223B	

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

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SitelD: WWL-08-0019 USGS Hydrologic Unit: 051202020801

Stream Name: Pollard Ditch County: Knox

**Description:** SR 58 **Latitude:** 38 52 1.81 **Longitude:** -87 15 8.01

**Drainage:** 17.717 **Site Number:** 24T-016

 SiteID:
 WWL-08-0019
 Sample Date: 4/22/2024
 IDEM Sample #: AC39880

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	<u>Method</u>
% Sat	120.6	%		ASTM D888-09(C)
DO	12.41	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	1327	umho/cm		SM2510B
Temperature	13.9	°C		SM2550B(2)
Turbidity (Hach)	8.05	NTU		180.1
pH (Field)	8.21	SU		150.2
Air Temp	3	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation
<b>Lab ID #</b> : 50371444002	Result		Reporting Limit	<u>Method</u>
Alkalinity (as CaCO3)	227	mg/L	10	SM2320B
Chloride	18.4	mg/L	0.25	300.0
Hardness (as CaCO3)	554	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	5.9	mg/L	2.5	SM2540D
Solids, Total (TS)	976	mg/L	20	SM2540B
Solids, Total Dissolved (TDS)	844	mg/L	20	SM2540C
Sulfate	438	mg/L	25	300.0
Calcium	115000	ug/L	1000	200.7
Magnesium	64900	ug/L	1000	200.7
COD	20.5	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	1.5	mg/L	0.1	353.2
Phosphorus, Total	.06	mg/L	0.05	365.1
TKN	.58	mg/L	0.5	351.2
TOC	4.6		1	SM5310C

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Lab ID #: AC39880	Result	Reporting Limit	<u>Method</u>
			_
Coliforms (Total)	2419.6 N	IPN/100mL 1	SM9223B
E. coli	40.8 N	IPN/100mL 1	SM9223B

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

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SiteID: WWL-08-0020 USGS Hydrologic Unit: 051202020801

Stream Name: Pollard Ditch County: Knox

**Description:** County Line Road **Latitude:** 38 54 6.06 **Longitude:** -87 15 45.32

Drainage: 4.683 Site Number: 24T-017

 SiteID:
 WWL-08-0020
 Sample Date: 4/22/2024
 IDEM Sample #: AC39872

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	<u>Method</u>
% Sat	149.3	%		ASTM D888-09(C)
DO	14.14	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	1882	umho/cm		SM2510B
Temperature	16.4	°C		SM2550B(2)
Turbidity (Hach)	2.51	NTU		180.1
pH (Field)	8.16	SU		150.2
Air Temp	3	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation
<b>Lab ID #</b> : 50371444001	<u>Result</u>		Reporting Limit	<u>Method</u>
Alkalinity (as CaCO3)	263	mg/L	10	SM2320B
Chloride	13.9	mg/L	0.25	300.0
Hardness (as CaCO3)	707	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	< 2.5	mg/L	2.5	SM2540D
Solids, Total (TS)	1480	mg/L	20	SM2540B
Solids, Total Dissolved (TDS)	1300	mg/L	20	SM2540C
Sulfate	765	mg/L	25	300.0
Calcium	138000	ug/L	1000	200.7
Magnesium	88000	ug/L	1000	200.7
COD	18.7	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	1.2	mg/L	0.1	353.2
Phosphorus, Total	< .05	mg/L	0.05	365.1
TKN	.51	mg/L	0.5	351.2
TOC	4.1	mg/L	1	SM5310C

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Lab ID #: AC39872	<u>Result</u>	Reporting Limit	<u>Method</u>	
				_
Coliforms (Total)	> 2419.6	MPN/100mL 2419.6	SM9223B	
E. coli	29.8	MPN/100mL 1	SM9223B	

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

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SiteID: WWL-08-0021 USGS Hydrologic Unit: 051202020804

Stream Name: Bens Creek County: Knox

Description: Apraw Road Latitude: 38 41 49.41 Longitude: -87 16 58.92

Drainage: 4.0925 Site Number: 24T-003

 SiteID:
 WWL-08-0021
 Sample Date: 4/23/2024
 IDEM Sample #: AC39877

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	<u>Method</u>
0/ Cot	04.0	0/		A CTM DOOR OO(C)
% Sat	91.2	%		ASTM D888-09(C)
DO	9.5	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	1225	umho/cm		SM2510B
Temperature	13.4	°C		SM2550B(2)
Turbidity (Hach)	14.9	NTU		180.1
pH (Field)	7.82	SU		150.2
Air Temp	4	Lookup		Observation
Sky Conditions	4	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation
<b>Lab ID #</b> : 50371444013	Result		Reporting Limit	<u>Method</u>
Alkalinity (as CaCO3)	256	mg/L	10	SM2320B
Chloride	24.8	mg/L	0.25	300.0
Hardness (as CaCO3)	398	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	9.8	mg/L	2.5	SM2540D
Solids, Total (TS)	864	mg/L	20	SM2540B
Solids, Total Dissolved (TDS)	740	mg/L	20	SM2540C
Sulfate	426	mg/L	2.5	300.0
Calcium	87600	ug/L	1000	200.7
Magnesium	43600	ug/L	1000	200.7
COD	17.3	mg/L	10	410.4
Nitrogen, Ammonia	.17	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.6	mg/L	0.1	353.2
Phosphorus, Total	.069	mg/L	0.05	365.1
TKN	.69	mg/L	0.5	351.2
TOC	4.3	mg/L	1	SM5310C
		-		

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Lab ID #: AC39877	Result		Reporting Limit	<u>Method</u>	
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B	
Collioinis (Total)	> 2419.0	IVIFIN/TOUTIL	2419.0	3101922313	
E. coli	325.5	MPN/100mL	1	SM9223B	

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

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SiteID: WWL-08-0022 USGS Hydrologic Unit: 051202020804

Stream Name: Nimnicht Creek County: Knox

**Description:** Nimnicht Road **Latitude:** 38 40 0.12 **Longitude:** -87 16 45.38

**Drainage:** 1.176 **Site Number:** 24T-018

SitelD: WWL-08-0022 Sample Date: 4/23/2024 IDEM Sample #: AC39879

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	<u>Method</u>
% Sat	90.3	%		ASTM D888-09(C)
DO	9.36	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	721	umho/cm		SM2510B
Temperature	13.6	°C		SM2550B(2)
Turbidity (Hach)	13.6	NTU		180.1
pH (Field)	6.98	SU		150.2
Air Temp	4	Lookup		Observation
Sky Conditions	4	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation
<b>Lab ID #:</b> 50371444015	<u>Result</u>		Reporting Limit	<u>Method</u>
Alkalinity (as CaCO3)	59.4	mg/L	10	SM2320B
Chloride	27	mg/L	2.5	300.0
Hardness (as CaCO3)	337	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	28.5	mg/L	3.8	SM2540D
Solids, Total (TS)	537	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	465	mg/L	10	SM2540C
Sulfate	269	mg/L	2.5	300.0
Calcium	85400	ug/L	1000	200.7
Magnesium	30000	ug/L	1000	200.7
COD	< 10	mg/L	10	410.4
Nitrogen, Ammonia	.34	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	2.1	mg/L	0.1	353.2
Phosphorus, Total	< .05	mg/L	0.05	365.1
TKN	.53	mg/L	0.5	351.2
TOC	1.7	mg/L	1	SM5310C

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<b>Lab ID #</b> : AC39879	Result	Reporting Limit	<u>Method</u>
			0110000
Coliforms (Total)	1553.1	MPN/100mL 1	SM9223B
E. coli	44.8	MPN/100mL 1	SM9223B

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

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SitelD: WWL070-0002 USGS Hydrologic Unit: 051202020801

Stream Name: Pollard Ditch

County: Knox

**Description:** CR 725 North **Latitude:** 38 49 59.74 **Longitude:** -87 14 5.32

Drainage: 22.253 Site Number: 24T-015

 SiteID:
 WWL070-0002
 Sample Date: 2/20/2024
 IDEM Sample #: AC38466

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 #:	<u>Result</u>		Reporting Limit	<u>Method</u>
% Sat	132.8	%		ASTM D888-09(C)
DO	16.56	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	1519	umho/cm		SM2510B
Temperature	5.7	°C		SM2550B(2)
Turbidity (Hach)	7.83	NTU		180.1
pH (Field)	8.11	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 #: 50366362005	Result		Reporting Limit	<u>Method</u>
Alkalinity (as CaCO3)	258	mg/L	10	SM2320B
Chloride	19.8	mg/L	0.25	300.0
Hardness (as CaCO3)	646	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	3.2	mg/L	2.5	SM2540D
Solids, Total (TS)	1220	mg/L	20	SM2540B
Solids, Total Dissolved (TDS)	1140	mg/L	20	SM2540C
Sulfate	579	mg/L	25	300.0
Calcium	132000	ug/L	1000	200.7
Magnesium	77000	ug/L	1000	200.7
COD	16.2	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	.31	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

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SiteID:WWL070-0002Sample Date:3/20/2024IDEM Sample #:AC39070Water Flow TypeRunWater AppearanceBrownWater Depth

Water Flow (cf/sec): □Flow Estimated? □Aquatic Life? Canopy Closed % 0-20%

□Algae?

Sample Comments:

ab ID #:	Result		Reporting Limit	<u>Method</u>
% Sat	96.3	%		ASTM D888-09(C)
DO	10.93	mg/L		ASTM D888-09(C)
Specific Conductance (Field)	1226	umho/cm		SM2510B
Temperature	9.6	°C		SM2550B(2)
Turbidity (Hach)	9.93	NTU		180.1
pH (Field)	7.88	SU		150.2
Air Temp	3	Lookup		Observation
Sky Conditions	2	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	3	Lookup		Observation
ab ID #: 50368839005	Result		Reporting Limit	<u>Method</u>
Alkalinity (as CaCO3)	183	mg/L	10	SM2320B
Chloride	23.4	mg/L	0.25	300.0
Hardness (as CaCO3)	523	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	6.8	mg/L	2.5	SM2540D
Solids, Total (TS)	927	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	848	mg/L	20	SM2540C
Sulfate	418	mg/L	2.5	300.0
Calcium	112000	ug/L	1000	200.7
Magnesium	59100	ug/L	1000	200.7
COD	< 10	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	1.5	mg/L	0.1	353.2
Phosphorus, Total	.084	mg/L	0.05	365.1
i noophorae, retai				
TKN	.67	mg/L	0.5	351.2

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SiteID: WWL070-0002 Sample Date: 4/22/2024 IDEM Sample #: AC39881

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	<u>Method</u>
% Sat	60.4	%		ASTM D888-09(C
DO	6.3	mg/L		ASTM D888-09(C
Specific Conductance (Field)	934	umho/cm		SM2510B
Temperature	13.3	°C		SM2550B(2)
Turbidity (Hach)	16.1	NTU		180.1
pH (Field)	7.64	SU		150.2
Air Temp	3	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation
<b>Lab ID #</b> : 50371444003	<u>Result</u>		Reporting Limit	<u>Method</u>
Alkalinity (as CaCO3)	223	mg/L	10	SM2320B
Chloride	20.7	mg/L	0.25	300.0
Hardness (as CaCO3)	420	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	16.7	mg/L	2.5	SM2540D
Solids, Total (TS)	638	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	590	mg/L	10	SM2540C
Sulfate	281	mg/L	2.5	300.0
Calcium	97000	ug/L	1000	200.7
Magnesium	43200	ug/L	1000	200.7
COD	20.1	mg/L	10	410.4
Nitrogen, Ammonia	.11	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	1.2	mg/L	0.1	353.2
Phosphorus, Total	.11	mg/L	0.05	365.1
TKN	.62	mg/L	0.5	351.2
TOC	3.7	mg/L	1	SM5310C
<b>Lab ID #</b> : AC39881	<u>Result</u>		Reporting Limit	<u>Method</u>
Coliforms (Total)	> 2419.6	MPN/100mL	2419.6	SM9223B
E. coli	161.6	MPN/100mL	1	SM9223B

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

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SiteID: WWL070-0003 USGS Hydrologic Unit: 051202020803

Stream Name: West Fork White River County: Daviess

Description: SR 358, Near Edwardsport Latitude: 38 47 42.17 Longitude: -87 14 30.72

**Drainage:** 4977.395 **Site Number:** 24T-011

 SiteID:
 WWL070-0003
 Sample Date: 4/22/2024
 IDEM Sample #: AC39884

Water Flow Type Flood Water Appearance Murky Water Depth 

Algae?

Water Flow (cf/sec): □Flow Estimated? □Aquatic Life? Canopy Closed % 0-20%

**Sample Comments:** 

Lab ID #:	Result		Reporting Limit	<u>Method</u>
% Sat	94	%		ASTM D888-09(C)
DO		mg/L		ASTM D888-09(C)
Specific Conductance (Field)	9.14 564	umho/cm		SM2510B
Temperature		°C		SM2550B(2)
Temperature  Turbidity (Hach)	16.6 44.2	NTU		180.1
		SU		150.2
pH (Field)	8.09			
Air Temp	4	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	27	Lookup		Observation
Wind Strength	1	Lookup		Observation
<b>Lab ID #</b> : 50371444018	Result		Reporting Limit	<u>Method</u>
Alkalinity (as CaCO3)	199	mg/L	10	SM2320B
Chloride	37.4	mg/L	2.5	300.0
Hardness (as CaCO3)	254	mg/L	10	SM2340B
Solids, Suspended Total, (TSS)	55.2	mg/L	2.5	SM2540D
Solids, Total (TS)	385	mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	294	mg/L	10	SM2540C
Sulfate	45.5	mg/L	0.25	300.0
Calcium	69600	ug/L	1000	200.7
Magnesium	19300	ug/L	1000	200.7
COD	15	mg/L	10	410.4
Nitrogen, Ammonia	< .1	mg/L	0.1	350.1
Nitrogen, Nitrate+Nitrite	1.7	mg/L	0.1	353.2
Phosphorus, Total	.16	mg/L	0.05	365.1
TKN	.68	mg/L	0.5	351.2
TOC	4.1	mg/L	1	SM5310C
		-		

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Lab ID #: AC39884	Result	Reporting Limit	<u>Method</u>	
Coliforms (	Γotal) > 2419.6	MPN/100mL 2419.6	SM9223B	
E	E. coli 50.4	MPN/100mL 1	SM9223B	

Weather Code Definitions					
SC WD		WS	AT		
Sky Conditions Wind Direction			Wind Strength	Air Temp	
1 - Clear 2 - scattered 3 - Partly 4 - Cloudy 5 - Mist 6 - Fog 7 - Shower	8 - Rain 9 - Snow 10 - Sleet	0 9 18 27	North (0 Degrees) East (90 Degrees) South (180 Degrees) West (270 Degrees)	0 - Calm 1 - Light 2 - Mod./Light 3 - Moderate 4 - Mod./Strong 5 - Strong 6 - Gale	1 - < 32 2 - 33.45 3 - 46-60 4 - 61-75 5 - 76-85 6 - > 86

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