

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

SiteID: WWL-06-0130 **USGS Hydrologic Unit:** 051202020605
Stream Name: Black Creek **County:** Knox
Description: Unnamed Farm Lane **Latitude:** 38 49 27.98932 **Longitude:** -87 13 12.54905
Drainage: **Site Number:** 22T-001

SiteID: WWL-06-0130 **Sample Date:** 11/16/2021 **IDEM Sample #:** AB49180
Water Flow Type Glide **Water Appearance** Clear **Water Depth** **Algae?**
Water Flow (cf/sec): **Flow Estimated?** **Aquatic Life?** **Canopy Closed %** 0-20%
Sampler Comments:

| <u>Lab ID #:</u> | <u>Result</u> | <u>Reporting Limit</u> | <u>Method</u> |
|------------------------------|---------------|------------------------|-----------------|
| % Sat | 76.7 % | | ASTM D888-09(C) |
| DO | 9.29 mg/L | | ASTM D888-09(C) |
| pH (Field) | 7.51 SU | | EPA 150.2 |
| Specific Conductance (Field) | 907 umho/cm | | SM2510B |
| Temperature | 7 °C | | SM2550B(2) |
| Turbidity (Hach) | 7.26 NTU | | EPA 180.1 |
| Air Temp | 2 Lookup | | Observation |
| Sky Conditions | 1 Lookup | | Observation |
| Wind Direction | 9 Lookup | | Observation |
| Wind Strength | 1 Lookup | | Observation |

| <u>Lab ID #:</u> 50303104001 | <u>Result</u> | <u>Reporting Limit</u> | <u>Method</u> |
|--------------------------------|---------------|------------------------|---------------|
| Alkalinity (as CaCO3) | 204 mg/L | 2 | SM2320B |
| Chloride | 16.6 mg/L | 2.5 | EPA 300.0 |
| Hardness (as CaCO3) | 428 mg/L | 1 | SM2340B |
| Solids, Suspended Total, (TSS) | 4.9 mg/L | 2.5 | SM2540D |
| Solids, Total (TS) | 639 mg/L | 10 | SM2540B |
| Solids, Total Dissolved (TDS) | 594 mg/L | 10 | SM2540C |
| Sulfate | 252 mg/L | 25 | EPA 300.0 |
| Calcium (Total) | 102000 ug/L | 1000 | EPA 200.7 |
| Magnesium (Total) | 42400 ug/L | 1000 | EPA 200.7 |
| COD | < 10 mg/L | 10 | EPA 410.4 |
| Nitrogen, Ammonia | < 0.1 mg/L | 0.1 | EPA 350.1 |
| Nitrogen, Nitrate+Nitrite | 1 mg/L | 0.1 | EPA 353.2 |
| Phosphorus, Total | 0.1 mg/L | 0.05 | EPA 365.1 |
| TKN | 0.59 mg/L | 0.5 | EPA 351.2 |
| TOC | 4 mg/L | 1 | SM5310C |

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

SiteID: WWL-06-0130 Sample Date: 12/14/2021 IDEM Sample #: AB49387
 Water Flow Type Glide Water Appearance Murky Water Depth Algae?
 Water Flow (cf/sec): Flow Estimated? Aquatic Life? Canopy Closed % 0-20%
 Sampler Comments:

| Lab ID #: | Result | Reporting Limit | Method |
|------------------------------|-------------|-----------------|-----------------|
| % Sat | 81.5 % | | ASTM D888-09(C) |
| DO | 10.03 mg/L | | ASTM D888-09(C) |
| pH (Field) | 7.58 SU | | EPA 150.2 |
| Specific Conductance (Field) | 724 umho/cm | | SM2510B |
| Temperature | 6.3 °C | | SM2550B(2) |
| Turbidity (Hach) | 22 NTU | | EPA 180.1 |
| Air Temp | 3 Lookup | | Observation |
| Sky Conditions | 4 Lookup | | Observation |
| Wind Direction | 27 Lookup | | Observation |
| Wind Strength | 1 Lookup | | Observation |

| Lab ID #: 50305263001 | Result | Reporting Limit | Method |
|--------------------------------|------------|-----------------|-----------|
| Alkalinity (as CaCO3) | 162 mg/L | 2 | SM2320B |
| Chloride | 18.8 mg/L | 2.5 | EPA 300.0 |
| Hardness (as CaCO3) | 314 mg/L | 1 | SM2340B |
| Solids, Suspended Total, (TSS) | 15.8 mg/L | 3.1 | SM2540D |
| Solids, Total (TS) | 482 mg/L | 10 | SM2540B |
| Solids, Total Dissolved (TDS) | 445 mg/L | 10 | SM2540C |
| Sulfate | 215 mg/L | 2.5 | EPA 300.0 |
| Calcium (Total) | 75000 ug/L | 1000 | EPA 200.7 |
| Magnesium (Total) | 30900 ug/L | 1000 | EPA 200.7 |
| COD | 14.8 mg/L | 10 | EPA 410.4 |
| Nitrogen, Ammonia | < 0.1 mg/L | 0.1 | EPA 350.1 |
| Nitrogen, Nitrate+Nitrite | 1.4 mg/L | 0.1 | EPA 353.2 |
| Phosphorus, Total | 0.16 mg/L | 0.05 | EPA 365.1 |
| TKN | 0.69 mg/L | 0.5 | EPA 351.2 |
| TOC | 5.1 mg/L | 1 | SM5310C |

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

SiteID: WWL-06-0130

Sample Date: 1/11/2022

IDEM Sample #: AB49681

Water Flow Type Glide

Water Appearance Brown

Water Depth Algae?

Water Flow (cf/sec):

Flow Estimated?

Aquatic Life?

Canopy Closed % 0-20%

Sampler Comments:

| Lab ID #: | Result | Reporting Limit | Method |
|------------------------------|-------------|-----------------|-----------------|
| % Sat | 86 % | | ASTM D888-09(C) |
| DO | 12.25 mg/L | | ASTM D888-09(C) |
| pH (Field) | 7.98 SU | | EPA 150.2 |
| Specific Conductance (Field) | 590 umho/cm | | SM2510B |
| Temperature | 1 °C | | SM2550B(2) |
| Turbidity (Hach) | 32 NTU | | EPA 180.1 |
| Air Temp | 1 Lookup | | Observation |
| Sky Conditions | 1 Lookup | | Observation |
| Wind Direction | 27 Lookup | | Observation |
| Wind Strength | 1 Lookup | | Observation |

| Lab ID #: 50306886001 | Result | Reporting Limit | Method |
|--------------------------------|------------|-----------------|-----------|
| Alkalinity (as CaCO3) | 130 mg/L | 2 | SM2320B |
| Chloride | 11.2 mg/L | 2.5 | EPA 300.0 |
| Hardness (as CaCO3) | 246 mg/L | 1 | SM2340B |
| Solids, Suspended Total, (TSS) | 26.4 mg/L | 5 | SM2540D |
| Solids, Total (TS) | 418 mg/L | 10 | SM2540B |
| Solids, Total Dissolved (TDS) | 368 mg/L | 10 | SM2540C |
| Sulfate | 185 mg/L | 2.5 | EPA 300.0 |
| Calcium (Total) | 59300 ug/L | 1000 | EPA 200.7 |
| Magnesium (Total) | 23700 ug/L | 1000 | EPA 200.7 |
| COD | 10.6 mg/L | 10 | EPA 410.4 |
| Nitrogen, Ammonia | < 0.1 mg/L | 0.1 | EPA 350.1 |
| Nitrogen, Nitrate+Nitrite | 1.1 mg/L | 0.1 | EPA 353.2 |
| Phosphorus, Total | 0.19 mg/L | 0.05 | EPA 365.1 |
| TKN | 0.79 mg/L | 0.5 | EPA 351.2 |
| TOC | 4.9 mg/L | 1 | SM5310C |

| Weather Code Definitions | | | |
|--------------------------|----------------|-----------------|-----------|
| SC | WD | WS | AT |
| Sky Conditions | Wind Direction | Wind Strength | Air Temp |
| 1 - Clear | 8 - Rain | 0 - Calm | 1 - < 32 |
| 2 - Scattered | 9 - Snow | 1 - Light | 2 - 33-45 |
| 3 - Partly | 10 - Sleet | 2 - Mod./Light | 3 - 46-60 |
| 4 - Cloudy | | 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: WWL-06-0134 **USGS Hydrologic Unit:** 051202020605
Stream Name: Black Creek **County:** Knox
Description: SR 58 **Latitude:** 38 52 38.70054 **Longitude:** -87 11 13.55031
Drainage: **Site Number:** 22T-005

SiteID: WWL-06-0134 **Sample Date:** 11/16/2021 **IDEM Sample #:** AB49181
Water Flow Type Glide **Water Appearance** Murky **Water Depth** **Algae?**
Water Flow (cf/sec): **Flow Estimated?** **Aquatic Life?** **Canopy Closed %** 0-20%
Sampler Comments:

| Lab ID #: | Result | Reporting Limit | Method |
|------------------------------|---------------|------------------------|-----------------|
| % Sat | 72.5 % | | ASTM D888-09(C) |
| DO | 8.94 mg/L | | ASTM D888-09(C) |
| pH (Field) | 7.48 SU | | EPA 150.2 |
| Specific Conductance (Field) | 857 umho/cm | | SM2510B |
| Temperature | 6.3 °C | | SM2550B(2) |
| Turbidity (Hach) | 10.5 NTU | | EPA 180.1 |
| Air Temp | 3 Lookup | | Observation |
| Sky Conditions | 1 Lookup | | Observation |
| Wind Direction | 9 Lookup | | Observation |
| Wind Strength | 1 Lookup | | Observation |

| Lab ID #: 50303104002 | Result | Reporting Limit | Method |
|--------------------------------|---------------|------------------------|---------------|
| Alkalinity (as CaCO3) | 184 mg/L | 2 | SM2320B |
| Chloride | 15.2 mg/L | 2.5 | EPA 300.0 |
| Hardness (as CaCO3) | 398 mg/L | 1 | SM2340B |
| Solids, Suspended Total, (TSS) | 6.5 mg/L | 2.5 | SM2540D |
| Solids, Total (TS) | 604 mg/L | 10 | SM2540B |
| Solids, Total Dissolved (TDS) | 543 mg/L | 10 | SM2540C |
| Sulfate | 235 mg/L | 25 | EPA 300.0 |
| Calcium (Total) | 94100 ug/L | 1000 | EPA 200.7 |
| Magnesium (Total) | 39600 ug/L | 1000 | EPA 200.7 |
| COD | < 10 mg/L | 10 | EPA 410.4 |
| Nitrogen, Ammonia | < 0.1 mg/L | 0.1 | EPA 350.1 |
| Nitrogen, Nitrate+Nitrite | 1.2 mg/L | 0.1 | EPA 353.2 |
| Phosphorus, Total | 0.11 mg/L | 0.05 | EPA 365.1 |
| TKN | 0.61 mg/L | 0.5 | EPA 351.2 |
| TOC | 4.3 mg/L | 1 | SM5310C |

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

SiteID: WWL-06-0134 Sample Date: 12/14/2021 IDEM Sample #: AB49388
 Water Flow Type Glide Water Appearance Murky Water Depth Algae?
 Water Flow (cf/sec): Flow Estimated? Aquatic Life? Canopy Closed % 0-20%
 Sampler Comments:

| Lab ID #: | Result | Reporting Limit | Method |
|------------------------------|-------------|-----------------|-----------------|
| % Sat | 84.2 % | | ASTM D888-09(C) |
| DO | 10.51 mg/L | | ASTM D888-09(C) |
| pH (Field) | 7.49 SU | | EPA 150.2 |
| Specific Conductance (Field) | 730 umho/cm | | SM2510B |
| Temperature | 5.8 °C | | SM2550B(2) |
| Turbidity (Hach) | 16.2 NTU | | EPA 180.1 |
| Air Temp | 3 Lookup | | Observation |
| Sky Conditions | 4 Lookup | | Observation |
| Wind Direction | 27 Lookup | | Observation |
| Wind Strength | 2 Lookup | | Observation |

| Lab ID #: 50305263002 | Result | Reporting Limit | Method |
|--------------------------------|------------|-----------------|-----------|
| Alkalinity (as CaCO3) | 156 mg/L | 2 | SM2320B |
| Chloride | 17.7 mg/L | 2.5 | EPA 300.0 |
| Hardness (as CaCO3) | 303 mg/L | 1 | SM2340B |
| Solids, Suspended Total, (TSS) | 12.4 mg/L | 3.1 | SM2540D |
| Solids, Total (TS) | 492 mg/L | 10 | SM2540B |
| Solids, Total Dissolved (TDS) | 452 mg/L | 10 | SM2540C |
| Sulfate | 223 mg/L | 2.5 | EPA 300.0 |
| Calcium (Total) | 72400 ug/L | 1000 | EPA 200.7 |
| Magnesium (Total) | 29800 ug/L | 1000 | EPA 200.7 |
| COD | 16.8 mg/L | 10 | EPA 410.4 |
| Nitrogen, Ammonia | < 0.1 mg/L | 0.1 | EPA 350.1 |
| Nitrogen, Nitrate+Nitrite | 1.6 mg/L | 0.1 | EPA 353.2 |
| Phosphorus, Total | 0.13 mg/L | 0.05 | EPA 365.1 |
| TKN | 0.63 mg/L | 0.5 | EPA 351.2 |
| TOC | 4.9 mg/L | 1 | SM5310C |

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

SiteID: WWL-06-0134

Sample Date: 1/11/2022

IDEM Sample #: AB49682

Water Flow Type Glide

Water Appearance Brown

Water Depth **Algae?**

Water Flow (cf/sec):

Flow Estimated?

Aquatic Life?

Canopy Closed % 0-20%

Sampler Comments:

| Lab ID #: | Result | Reporting Limit | Method |
|------------------|------------------------------|------------------------|-----------------|
| | % Sat | 88.2 % | ASTM D888-09(C) |
| | DO | 12.5 mg/L | ASTM D888-09(C) |
| | pH (Field) | 7.94 SU | EPA 150.2 |
| | Specific Conductance (Field) | 593 umho/cm | SM2510B |
| | Temperature | 0.8 °C | SM2550B(2) |
| | Turbidity (Hach) | 29 NTU | EPA 180.1 |
| | Air Temp | 1 Lookup | Observation |
| | Sky Conditions | 1 Lookup | Observation |
| | Wind Direction | 27 Lookup | Observation |
| | Wind Strength | 1 Lookup | Observation |

| Lab ID #: 50306886002 | Result | Reporting Limit | Method |
|------------------------------|--------------------------------|------------------------|----------------|
| | Alkalinity (as CaCO3) | 130 mg/L | 2 SM2320B |
| | Chloride | 10.2 mg/L | 2.5 EPA 300.0 |
| | Hardness (as CaCO3) | 243 mg/L | 1 SM2340B |
| | Solids, Suspended Total, (TSS) | 18.9 mg/L | 3.6 SM2540D |
| | Solids, Total (TS) | 432 mg/L | 10 SM2540B |
| | Solids, Total Dissolved (TDS) | 397 mg/L | 10 SM2540C |
| | Sulfate | 209 mg/L | 2.5 EPA 300.0 |
| | Calcium (Total) | 57700 ug/L | 1000 EPA 200.7 |
| | Magnesium (Total) | 24000 ug/L | 1000 EPA 200.7 |
| | COD | 18.7 mg/L | 10 EPA 410.4 |
| | Nitrogen, Ammonia | < 0.1 mg/L | 0.1 EPA 350.1 |
| | Nitrogen, Nitrate+Nitrite | 1.2 mg/L | 0.1 EPA 353.2 |
| | Phosphorus, Total | 0.17 mg/L | 0.05 EPA 365.1 |
| | TKN | 0.9 mg/L | 0.5 EPA 351.2 |
| | TOC | 4.9 mg/L | 1 SM5310C |

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

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

SiteID: WWL-06-0152 **USGS Hydrologic Unit:** 051202020602
Stream Name: Beehunter Ditch **County:** Greene
Description: CR 200 South **Latitude:** 38 59 40.50644 **Longitude:** -87 7 25.42912
Drainage: **Site Number:** 22T-010

SiteID: WWL-06-0152 **Sample Date:** 11/16/2021 **IDEM Sample #:** AB49185
Water Flow Type Glide **Water Appearance** Murky **Water Depth** **Algae?**
Water Flow (cf/sec): **Flow Estimated?** **Aquatic Life?** **Canopy Closed %** 0-20%
Sampler Comments:

| Lab ID #: | Result | Reporting Limit | Method |
|------------------------------|---------------|------------------------|-----------------|
| % Sat | 77.2 % | | ASTM D888-09(C) |
| DO | 9.25 mg/L | | ASTM D888-09(C) |
| pH (Field) | 7.68 SU | | EPA 150.2 |
| Specific Conductance (Field) | 678 umho/cm | | SM2510B |
| Temperature | 7.5 °C | | SM2550B(2) |
| Turbidity (Hach) | 16.4 NTU | | EPA 180.1 |
| Air Temp | 3 Lookup | | Observation |
| Sky Conditions | 2 Lookup | | Observation |
| Wind Direction | 18 Lookup | | Observation |
| Wind Strength | 1 Lookup | | Observation |

| Lab ID #: 50303104006 | Result | Reporting Limit | Method |
|--------------------------------|---------------|------------------------|---------------|
| Alkalinity (as CaCO3) | 197 mg/L | 2 | SM2320B |
| Chloride | 34 mg/L | 2.5 | EPA 300.0 |
| Hardness (as CaCO3) | 269 mg/L | 1 | SM2340B |
| Solids, Suspended Total, (TSS) | 6.5 mg/L | 2.5 | SM2540D |
| Solids, Total (TS) | 407 mg/L | 10 | SM2540B |
| Solids, Total Dissolved (TDS) | 402 mg/L | 10 | SM2540C |
| Sulfate | 93.1 mg/L | 2.5 | EPA 300.0 |
| Calcium (Total) | 66800 ug/L | 1000 | EPA 200.7 |
| Magnesium (Total) | 24900 ug/L | 1000 | EPA 200.7 |
| COD | 14.6 mg/L | 10 | EPA 410.4 |
| Nitrogen, Ammonia | < 0.1 mg/L | 0.1 | EPA 350.1 |
| Nitrogen, Nitrate+Nitrite | 2 mg/L | 0.1 | EPA 353.2 |
| Phosphorus, Total | 0.33 mg/L | 0.05 | EPA 365.1 |
| TKN | 0.53 mg/L | 0.5 | EPA 351.2 |
| TOC | 5.1 mg/L | 1 | SM5310C |

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

SiteID: WWL-06-0152 Sample Date: 12/14/2021 IDEM Sample #: AB49392
 Water Flow Type Glide Water Appearance Murky Water Depth Algae?
 Water Flow (cf/sec): Flow Estimated? Aquatic Life? Canopy Closed % 0-20%
 Sampler Comments:

| Lab ID #: | Result | Reporting Limit | Method |
|------------------------------|---------------|-----------------|-----------------|
| % Sat | 91 % | | ASTM D888-09(C) |
| DO | 11.49 mg/L | | ASTM D888-09(C) |
| pH (Field) | 7.56 SU | | EPA 150.2 |
| Specific Conductance (Field) | 495.4 umho/cm | | SM2510B |
| Temperature | 5.4 °C | | SM2550B(2) |
| Turbidity (Hach) | 21.5 NTU | | EPA 180.1 |
| Air Temp | 3 Lookup | | Observation |
| Sky Conditions | 4 Lookup | | Observation |
| Wind Direction | 27 Lookup | | Observation |
| Wind Strength | 2 Lookup | | Observation |

| Lab ID #: 50305263006 | Result | Reporting Limit | Method |
|--------------------------------|------------|-----------------|-----------|
| Alkalinity (as CaCO3) | 136 mg/L | 2 | SM2320B |
| Chloride | 22.6 mg/L | 2.5 | EPA 300.0 |
| Hardness (as CaCO3) | 198 mg/L | 1 | SM2340B |
| Solids, Suspended Total, (TSS) | 12.9 mg/L | 2.5 | SM2540D |
| Solids, Total (TS) | 303 mg/L | 10 | SM2540B |
| Solids, Total Dissolved (TDS) | 277 mg/L | 10 | SM2540C |
| Sulfate | 80.5 mg/L | 2.5 | EPA 300.0 |
| Calcium (Total) | 48600 ug/L | 1000 | EPA 200.7 |
| Magnesium (Total) | 18600 ug/L | 1000 | EPA 200.7 |
| COD | 21.7 mg/L | 10 | EPA 410.4 |
| Nitrogen, Ammonia | < 0.1 mg/L | 0.1 | EPA 350.1 |
| Nitrogen, Nitrate+Nitrite | 1.9 mg/L | 0.1 | EPA 353.2 |
| Phosphorus, Total | 0.17 mg/L | 0.05 | EPA 365.1 |
| TKN | 0.65 mg/L | 0.5 | EPA 351.2 |
| TOC | 5.3 mg/L | 1 | SM5310C |

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

SiteID: WWL-06-0152

Sample Date: 1/11/2022

IDEM Sample #: AB49686

Water Flow Type Glide

Water Appearance Brown

Water Depth Algae?

Water Flow (cf/sec):

Flow Estimated?

Aquatic Life?

Canopy Closed % 0-20%

Sampler Comments:

| Lab ID #: | Result | Reporting Limit | Method |
|------------------------------|---------------|-----------------|-----------------|
| % Sat | 91.6 % | | ASTM D888-09(C) |
| DO | 13.18 mg/L | | ASTM D888-09(C) |
| pH (Field) | 7.74 SU | | EPA 150.2 |
| Specific Conductance (Field) | 453.5 umho/cm | | SM2510B |
| Temperature | 0.6 °C | | SM2550B(2) |
| Turbidity (Hach) | 35.4 NTU | | EPA 180.1 |
| Air Temp | 1 Lookup | | Observation |
| Sky Conditions | 1 Lookup | | Observation |
| Wind Direction | 27 Lookup | | Observation |
| Wind Strength | 1 Lookup | | Observation |

| Lab ID #: 50306886006 | Result | Reporting Limit | Method |
|--------------------------------|------------|-----------------|-----------|
| Alkalinity (as CaCO3) | 122 mg/L | 2 | SM2320B |
| Chloride | 13 mg/L | 2.5 | EPA 300.0 |
| Hardness (as CaCO3) | 178 mg/L | 1 | SM2340B |
| Solids, Suspended Total, (TSS) | 35.3 mg/L | 4.2 | SM2540D |
| Solids, Total (TS) | 311 mg/L | 10 | SM2540B |
| Solids, Total Dissolved (TDS) | 245 mg/L | 10 | SM2540C |
| Sulfate | 84 mg/L | 2.5 | EPA 300.0 |
| Calcium (Total) | 42300 ug/L | 1000 | EPA 200.7 |
| Magnesium (Total) | 17600 ug/L | 1000 | EPA 200.7 |
| COD | 22.4 mg/L | 10 | EPA 410.4 |
| Nitrogen, Ammonia | < 0.1 mg/L | 0.1 | EPA 350.1 |
| Nitrogen, Nitrate+Nitrite | 1.4 mg/L | 0.1 | EPA 353.2 |
| Phosphorus, Total | 0.2 mg/L | 0.05 | EPA 365.1 |
| TKN | 1.1 mg/L | 0.5 | EPA 351.2 |
| TOC | 5.5 mg/L | 1 | SM5310C |

| Weather Code Definitions | | | |
|--------------------------|----------------|-----------------|-----------|
| SC | WD | WS | AT |
| Sky Conditions | Wind Direction | Wind Strength | Air Temp |
| 1 - Clear | 8 - Rain | 0 - Calm | 1 - < 32 |
| 2 - Scattered | 9 - Snow | 1 - Light | 2 - 33-45 |
| 3 - Partly | 10 - Sleet | 2 - Mod./Light | 3 - 46-60 |
| 4 - Cloudy | | 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: WWL060-0001 **USGS Hydrologic Unit:** 051202020603
Stream Name: Black Creek Ditch **County:** Greene
Description: CR 1100 West **Latitude:** 38 57 43.41582 **Longitude:** -87 8 55.01252
Drainage: 56.01 **Site Number:** 22T-015

SiteID: WWL060-0001 **Sample Date:** 11/16/2021 **IDEM Sample #:** AB49182
Water Flow Type Glide **Water Appearance** Murky **Water Depth** **Algae?**
Water Flow (cf/sec): **Flow Estimated?** **Aquatic Life?** **Canopy Closed %** 0-20%
Sampler Comments:

| <u>Lab ID #:</u> | <u>Result</u> | <u>Reporting Limit</u> | <u>Method</u> |
|------------------------------|---------------|------------------------|-----------------|
| % Sat | 79 % | | ASTM D888-09(C) |
| DO | 9.82 mg/L | | ASTM D888-09(C) |
| pH (Field) | 7.57 SU | | EPA 150.2 |
| Specific Conductance (Field) | 1188 umho/cm | | SM2510B |
| Temperature | 6 °C | | SM2550B(2) |
| Turbidity (Hach) | 6.24 NTU | | EPA 180.1 |
| Air Temp | 3 Lookup | | Observation |
| Sky Conditions | 1 Lookup | | Observation |
| Wind Direction | 18 Lookup | | Observation |
| Wind Strength | 1 Lookup | | Observation |

| <u>Lab ID #:</u> 50303104003 | <u>Result</u> | <u>Reporting Limit</u> | <u>Method</u> |
|--------------------------------|---------------|------------------------|---------------|
| Alkalinity (as CaCO3) | 138 mg/L | 2 | SM2320B |
| Chloride | 10.4 mg/L | 0.25 | EPA 300.0 |
| Hardness (as CaCO3) | 532 mg/L | 1 | SM2340B |
| Solids, Suspended Total, (TSS) | 4 mg/L | 2.5 | SM2540D |
| Solids, Total (TS) | 895 mg/L | 10 | SM2540B |
| Solids, Total Dissolved (TDS) | 846 mg/L | 10 | SM2540C |
| Sulfate | 480 mg/L | 25 | EPA 300.0 |
| Calcium (Total) | 117000 ug/L | 1000 | EPA 200.7 |
| Magnesium (Total) | 58400 ug/L | 1000 | EPA 200.7 |
| COD | 11.6 mg/L | 10 | EPA 410.4 |
| Nitrogen, Ammonia | < 0.1 mg/L | 0.1 | EPA 350.1 |
| Nitrogen, Nitrate+Nitrite | 0.29 mg/L | 0.1 | EPA 353.2 |
| Phosphorus, Total | 0.052 mg/L | 0.05 | EPA 365.1 |
| TKN | < 0.5 mg/L | 0.5 | EPA 351.2 |
| TOC | 5.3 mg/L | 1 | SM5310C |

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

SiteID: WWL060-0001 Sample Date: 12/14/2021 IDEM Sample #: AB49389
 Water Flow Type Glide Water Appearance Murky Water Depth Algae?
 Water Flow (cf/sec): Flow Estimated? Aquatic Life? Canopy Closed % 0-20%
 Sampler Comments:

| Lab ID #: | Result | Reporting Limit | Method |
|------------------------------|-------------|-----------------|-----------------|
| % Sat | 89.5 % | | ASTM D888-09(C) |
| DO | 11.37 mg/L | | ASTM D888-09(C) |
| pH (Field) | 7.64 SU | | EPA 150.2 |
| Specific Conductance (Field) | 962 umho/cm | | SM2510B |
| Temperature | 5.1 °C | | SM2550B(2) |
| Turbidity (Hach) | 10.5 NTU | | EPA 180.1 |
| Air Temp | 3 Lookup | | Observation |
| Sky Conditions | 4 Lookup | | Observation |
| Wind Direction | 27 Lookup | | Observation |
| Wind Strength | 1 Lookup | | Observation |

| Lab ID #: 50305263003 | Result | Reporting Limit | Method |
|--------------------------------|------------|-----------------|-----------|
| Alkalinity (as CaCO3) | 145 mg/L | 2 | SM2320B |
| Chloride | 12.4 mg/L | 2.5 | EPA 300.0 |
| Hardness (as CaCO3) | 414 mg/L | 1 | SM2340B |
| Solids, Suspended Total, (TSS) | 9.9 mg/L | 2.5 | SM2540D |
| Solids, Total (TS) | 687 mg/L | 10 | SM2540B |
| Solids, Total Dissolved (TDS) | 652 mg/L | 10 | SM2540C |
| Sulfate | 350 mg/L | 25 | EPA 300.0 |
| Calcium (Total) | 92100 ug/L | 1000 | EPA 200.7 |
| Magnesium (Total) | 44600 ug/L | 1000 | EPA 200.7 |
| COD | 13.9 mg/L | 10 | EPA 410.4 |
| Nitrogen, Ammonia | < 0.1 mg/L | 0.1 | EPA 350.1 |
| Nitrogen, Nitrate+Nitrite | 0.66 mg/L | 0.1 | EPA 353.2 |
| Phosphorus, Total | 0.07 mg/L | 0.05 | EPA 365.1 |
| TKN | < 0.5 mg/L | 0.5 | EPA 351.2 |
| TOC | 4.6 mg/L | 1 | SM5310C |

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

SiteID: WWL060-0001 Sample Date: 1/11/2022 IDEM Sample #: AB49683
 Water Flow Type Glide Water Appearance Brown Water Depth Algae?
 Water Flow (cf/sec): Flow Estimated? Aquatic Life? Canopy Closed % 0-20%
 Sampler Comments:

| Lab ID #: | Result | Reporting Limit | Method |
|------------------------------|-------------|-----------------|-----------------|
| % Sat | 91.6 % | | ASTM D888-09(C) |
| DO | 13.08 mg/L | | ASTM D888-09(C) |
| pH (Field) | 7.94 SU | | EPA 150.2 |
| Specific Conductance (Field) | 774 umho/cm | | SM2510B |
| Temperature | 0.5 °C | | SM2550B(2) |
| Turbidity (Hach) | 25.4 NTU | | EPA 180.1 |
| Air Temp | 1 Lookup | | Observation |
| Sky Conditions | 1 Lookup | | Observation |
| Wind Direction | 27 Lookup | | Observation |
| Wind Strength | 3 Lookup | | Observation |

| Lab ID #: 50306886003 | Result | Reporting Limit | Method |
|--------------------------------|------------|-----------------|-----------|
| Alkalinity (as CaCO3) | 123 mg/L | 2 | SM2320B |
| Chloride | 10.7 mg/L | 0.25 | EPA 300.0 |
| Hardness (as CaCO3) | 312 mg/L | 1 | SM2340B |
| Solids, Suspended Total, (TSS) | 14.7 mg/L | 3.6 | SM2540D |
| Solids, Total (TS) | 590 mg/L | 10 | SM2540B |
| Solids, Total Dissolved (TDS) | 545 mg/L | 10 | SM2540C |
| Sulfate | 328 mg/L | 25 | EPA 300.0 |
| Calcium (Total) | 70500 ug/L | 1000 | EPA 200.7 |
| Magnesium (Total) | 33100 ug/L | 1000 | EPA 200.7 |
| COD | 20.3 mg/L | 10 | EPA 410.4 |
| Nitrogen, Ammonia | < 0.1 mg/L | 0.1 | EPA 350.1 |
| Nitrogen, Nitrate+Nitrite | 0.65 mg/L | 0.1 | EPA 353.2 |
| Phosphorus, Total | 0.14 mg/L | 0.05 | EPA 365.1 |
| TKN | 0.73 mg/L | 0.5 | EPA 351.2 |
| TOC | 5.1 mg/L | 1 | SM5310C |

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

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

SiteID: WWL-06-0144 **USGS Hydrologic Unit:** 051202020603
Stream Name: Brewer Ditch **County:** Greene
Description: CR 1200 West **Latitude:** 38 57 35.38008 **Longitude:** -87 10 2.88337
Drainage: **Site Number:** 22T-016

SiteID: WWL-06-0144 **Sample Date:** 11/16/2021 **IDEM Sample #:** AB49183
Water Flow Type Run **Water Appearance** Clear **Water Depth** **Algae?**
Water Flow (cf/sec): **Flow Estimated?** **Aquatic Life?** **Canopy Closed %** 0-20%
Sampler Comments:

| <u>Lab ID #:</u> | <u>Result</u> | <u>Reporting Limit</u> | <u>Method</u> |
|------------------------------|---------------|------------------------|-----------------|
| % Sat | 99.5 % | | ASTM D888-09(C) |
| DO | 11.98 mg/L | | ASTM D888-09(C) |
| pH (Field) | 7.88 SU | | EPA 150.2 |
| Specific Conductance (Field) | 1769 umho/cm | | SM2510B |
| Temperature | 7.1 °C | | SM2550B(2) |
| Turbidity (Hach) | 5.21 NTU | | EPA 180.1 |
| Air Temp | 3 Lookup | | Observation |
| Sky Conditions | 2 Lookup | | Observation |
| Wind Direction | 9 Lookup | | Observation |
| Wind Strength | 1 Lookup | | Observation |

| <u>Lab ID #:</u> 50303104004 | <u>Result</u> | <u>Reporting Limit</u> | <u>Method</u> |
|--------------------------------|---------------|------------------------|---------------|
| Alkalinity (as CaCO3) | 216 mg/L | 2 | SM2320B |
| Chloride | 19.4 mg/L | 2.5 | EPA 300.0 |
| Hardness (as CaCO3) | 680 mg/L | 1 | SM2340B |
| Solids, Suspended Total, (TSS) | 2.9 mg/L | 2.5 | SM2540D |
| Solids, Total (TS) | 1390 mg/L | 20 | SM2540B |
| Solids, Total Dissolved (TDS) | 1340 mg/L | 20 | SM2540C |
| Sulfate | 769 mg/L | 25 | EPA 300.0 |
| Calcium (Total) | 147000 ug/L | 1000 | EPA 200.7 |
| Magnesium (Total) | 76100 ug/L | 1000 | EPA 200.7 |
| COD | < 10 mg/L | 10 | EPA 410.4 |
| Nitrogen, Ammonia | < 0.1 mg/L | 0.1 | EPA 350.1 |
| Nitrogen, Nitrate+Nitrite | 1.2 mg/L | 0.1 | EPA 353.2 |
| Phosphorus, Total | < 0.05 mg/L | 0.05 | EPA 365.1 |
| TKN | 0.58 mg/L | 0.5 | EPA 351.2 |
| TOC | 3.9 mg/L | 1 | SM5310C |

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

SiteID: WWL-06-0144 Sample Date: 12/14/2021 IDEM Sample #: AB49390
 Water Flow Type Run Water Appearance Clear Water Depth Algae?
 Water Flow (cf/sec): Flow Estimated? Aquatic Life? Canopy Closed % 0-20%
 Sampler Comments: sediment plume discharging from culvert

| Lab ID #: | Result | Reporting Limit | Method |
|------------------------------|--------------|-----------------|-----------------|
| % Sat | 104.5 % | | ASTM D888-09(C) |
| DO | 13.26 mg/L | | ASTM D888-09(C) |
| pH (Field) | 7.78 SU | | EPA 150.2 |
| Specific Conductance (Field) | 1550 umho/cm | | SM2510B |
| Temperature | 5.1 °C | | SM2550B(2) |
| Turbidity (Hach) | 6.08 NTU | | EPA 180.1 |
| Air Temp | 3 Lookup | | Observation |
| Sky Conditions | 4 Lookup | | Observation |
| Wind Direction | 27 Lookup | | Observation |
| Wind Strength | 2 Lookup | | Observation |

| Lab ID #: 50305263004 | Result | Reporting Limit | Method |
|--------------------------------|-------------|-----------------|-----------|
| Alkalinity (as CaCO3) | 187 mg/L | 2 | SM2320B |
| Chloride | 22.7 mg/L | 2.5 | EPA 300.0 |
| Hardness (as CaCO3) | 570 mg/L | 1 | SM2340B |
| Solids, Suspended Total, (TSS) | 5.3 mg/L | 2.5 | SM2540D |
| Solids, Total (TS) | 1150 mg/L | 20 | SM2540B |
| Solids, Total Dissolved (TDS) | 1130 mg/L | 20 | SM2540C |
| Sulfate | 653 mg/L | 25 | EPA 300.0 |
| Calcium (Total) | 124000 ug/L | 1000 | EPA 200.7 |
| Magnesium (Total) | 63200 ug/L | 1000 | EPA 200.7 |
| COD | 12.9 mg/L | 10 | EPA 410.4 |
| Nitrogen, Ammonia | < 0.1 mg/L | 0.1 | EPA 350.1 |
| Nitrogen, Nitrate+Nitrite | 2 mg/L | 0.1 | EPA 353.2 |
| Phosphorus, Total | < 0.05 mg/L | 0.05 | EPA 365.1 |
| TKN | < 0.5 mg/L | 0.5 | EPA 351.2 |
| TOC | 3.8 mg/L | 1 | SM5310C |

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

SiteID: WWL-06-0144

Sample Date: 1/11/2022

IDEM Sample #: AB49684

Water Flow Type Riffle

Water Appearance Brown

Water Depth **Algae?**

Water Flow (cf/sec):

Flow Estimated?

Aquatic Life?

Canopy Closed % 0-20%

Sampler Comments:

| Lab ID #: | Result | Reporting Limit | Method |
|------------------|------------------------------|------------------------|-----------------|
| | % Sat | 97.6 % | ASTM D888-09(C) |
| | DO | 13.9 mg/L | ASTM D888-09(C) |
| | pH (Field) | 8.11 SU | EPA 150.2 |
| | Specific Conductance (Field) | 1344 umho/cm | SM2510B |
| | Temperature | 0.6 °C | SM2550B(2) |
| | Turbidity (Hach) | 20.7 NTU | EPA 180.1 |
| | Air Temp | 1 Lookup | Observation |
| | Sky Conditions | 1 Lookup | Observation |
| | Wind Direction | 27 Lookup | Observation |
| | Wind Strength | 3 Lookup | Observation |

| Lab ID #: 50306886004 | Result | Reporting Limit | Method | |
|------------------------------|--------------------------------|------------------------|---------------|-----------|
| | Alkalinity (as CaCO3) | 168 mg/L | 2 | SM2320B |
| | Chloride | 13.2 mg/L | 2.5 | EPA 300.0 |
| | Hardness (as CaCO3) | 486 mg/L | 1 | SM2340B |
| | Solids, Suspended Total, (TSS) | 14.7 mg/L | 2.8 | SM2540D |
| | Solids, Total (TS) | 1020 mg/L | 20 | SM2540B |
| | Solids, Total Dissolved (TDS) | 912 mg/L | 20 | SM2540C |
| | Sulfate | 624 mg/L | 25 | EPA 300.0 |
| | Calcium (Total) | 106000 ug/L | 1000 | EPA 200.7 |
| | Magnesium (Total) | 53700 ug/L | 1000 | EPA 200.7 |
| | COD | 21.6 mg/L | 10 | EPA 410.4 |
| | Nitrogen, Ammonia | < 0.1 mg/L | 0.1 | EPA 350.1 |
| | Nitrogen, Nitrate+Nitrite | 1.9 mg/L | 0.1 | EPA 353.2 |
| | Phosphorus, Total | 0.089 mg/L | 0.05 | EPA 365.1 |
| | TKN | 0.56 mg/L | 0.5 | EPA 351.2 |
| | TOC | 4.5 mg/L | 1 | SM5310C |

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

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

SiteID: WWL-06-0146 **USGS Hydrologic Unit:** 051202020601
Stream Name: Black Creek **County:** Greene
Description: CR 1200 West **Latitude:** 38 59 18.73809 **Longitude:** -87 10 3.01393
Drainage: **Site Number:** 22T-019

SiteID: WWL-06-0146 **Sample Date:** 11/16/2021 **IDEM Sample #:** AB49184
Water Flow Type Glide **Water Appearance** Murky **Water Depth** **Algae?**
Water Flow (cf/sec): **Flow Estimated?** **Aquatic Life?** **Canopy Closed %** 0-20%
Sampler Comments:

| Lab ID #: | Result | Reporting Limit | Method |
|------------------------------|---------------|------------------------|-----------------|
| % Sat | 74 % | | ASTM D888-09(C) |
| DO | 8.87 mg/L | | ASTM D888-09(C) |
| pH (Field) | 7.56 SU | | EPA 150.2 |
| Specific Conductance (Field) | 1308 umho/cm | | SM2510B |
| Temperature | 7.5 °C | | SM2550B(2) |
| Turbidity (Hach) | 4.2 NTU | | EPA 180.1 |
| Air Temp | 3 Lookup | | Observation |
| Sky Conditions | 2 Lookup | | Observation |
| Wind Direction | 9 Lookup | | Observation |
| Wind Strength | 1 Lookup | | Observation |

| Lab ID #: 50303104005 | Result | Reporting Limit | Method |
|--------------------------------|---------------|------------------------|---------------|
| Alkalinity (as CaCO3) | 144 mg/L | 2 | SM2320B |
| Chloride | 9 mg/L | 0.25 | EPA 300.0 |
| Hardness (as CaCO3) | 656 mg/L | 1 | SM2340B |
| Solids, Suspended Total, (TSS) | 2.5 mg/L | 2.5 | SM2540D |
| Solids, Total (TS) | 1030 mg/L | 10 | SM2540B |
| Solids, Total Dissolved (TDS) | 980 mg/L | 20 | SM2540C |
| Sulfate | 567 mg/L | 25 | EPA 300.0 |
| Calcium (Total) | 142000 ug/L | 1000 | EPA 200.7 |
| Magnesium (Total) | 73200 ug/L | 1000 | EPA 200.7 |
| COD | 13.4 mg/L | 10 | EPA 410.4 |
| Nitrogen, Ammonia | < 0.1 mg/L | 0.1 | EPA 350.1 |
| Nitrogen, Nitrate+Nitrite | 0.15 mg/L | 0.1 | EPA 353.2 |
| Phosphorus, Total | < 0.05 mg/L | 0.05 | EPA 365.1 |
| TKN | < 0.5 mg/L | 0.5 | EPA 351.2 |
| TOC | 3.9 mg/L | 1 | SM5310C |

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

SiteID: WWL-06-0146 Sample Date: 12/14/2021 IDEM Sample #: AB49391
 Water Flow Type Glide Water Appearance Murky Water Depth Algae?
 Water Flow (cf/sec): Flow Estimated? Aquatic Life? Canopy Closed % 0-20%
 Sampler Comments:

| Lab ID #: | Result | Reporting Limit | Method |
|------------------------------|-------------|-----------------|-----------------|
| % Sat | 91.6 % | | ASTM D888-09(C) |
| DO | 11.52 mg/L | | ASTM D888-09(C) |
| pH (Field) | 7.73 SU | | EPA 150.2 |
| Specific Conductance (Field) | 926 umho/cm | | SM2510B |
| Temperature | 5.5 °C | | SM2550B(2) |
| Turbidity (Hach) | 6.57 NTU | | EPA 180.1 |
| Air Temp | 3 Lookup | | Observation |
| Sky Conditions | 4 Lookup | | Observation |
| Wind Direction | 27 Lookup | | Observation |
| Wind Strength | 2 Lookup | | Observation |

| Lab ID #: 50305263005 | Result | Reporting Limit | Method |
|--------------------------------|-------------|-----------------|-----------|
| Alkalinity (as CaCO3) | 149 mg/L | 2 | SM2320B |
| Chloride | 10.8 mg/L | 0.25 | EPA 300.0 |
| Hardness (as CaCO3) | 430 mg/L | 1 | SM2340B |
| Solids, Suspended Total, (TSS) | 5.5 mg/L | 2.5 | SM2540D |
| Solids, Total (TS) | 667 mg/L | 10 | SM2540B |
| Solids, Total Dissolved (TDS) | 621 mg/L | 10 | SM2540C |
| Sulfate | 340 mg/L | 25 | EPA 300.0 |
| Calcium (Total) | 94900 ug/L | 1000 | EPA 200.7 |
| Magnesium (Total) | 46900 ug/L | 1000 | EPA 200.7 |
| COD | 13.8 mg/L | 10 | EPA 410.4 |
| Nitrogen, Ammonia | < 0.1 mg/L | 0.1 | EPA 350.1 |
| Nitrogen, Nitrate+Nitrite | 0.3 mg/L | 0.1 | EPA 353.2 |
| Phosphorus, Total | < 0.05 mg/L | 0.05 | EPA 365.1 |
| TKN | < 0.5 mg/L | 0.5 | EPA 351.2 |
| TOC | 4 mg/L | 1 | SM5310C |

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

SiteID: WWL-06-0146 **Sample Date:** 1/11/2022 **IDEM Sample #:** AB49685
Water Flow Type Glide **Water Appearance** Brown **Water Depth** **Algae?**
Water Flow (cf/sec): **Flow Estimated?** **Aquatic Life?** **Canopy Closed %** 0-20%
Sampler Comments:

| Lab ID #: | Result | Reporting Limit | Method |
|------------------------------|---------------|------------------------|-----------------|
| % Sat | 92.7 % | | ASTM D888-09(C) |
| DO | 12.95 mg/L | | ASTM D888-09(C) |
| pH (Field) | 7.8 SU | | EPA 150.2 |
| Specific Conductance (Field) | 837 umho/cm | | SM2510B |
| Temperature | 1.5 °C | | SM2550B(2) |
| Turbidity (Hach) | 17.3 NTU | | EPA 180.1 |
| Air Temp | 1 Lookup | | Observation |
| Sky Conditions | 1 Lookup | | Observation |
| Wind Direction | 27 Lookup | | Observation |
| Wind Strength | 1 Lookup | | Observation |

| Lab ID #: 50306886005 | Result | Reporting Limit | Method |
|--------------------------------|---------------|------------------------|---------------|
| Alkalinity (as CaCO3) | 128 mg/L | 2 | SM2320B |
| Chloride | 9.5 mg/L | 0.25 | EPA 300.0 |
| Hardness (as CaCO3) | 375 mg/L | 1 | SM2340B |
| Solids, Suspended Total, (TSS) | 13.4 mg/L | 3.6 | SM2540D |
| Solids, Total (TS) | 607 mg/L | 10 | SM2540B |
| Solids, Total Dissolved (TDS) | 556 mg/L | 10 | SM2540C |
| Sulfate | 339 mg/L | 25 | EPA 300.0 |
| Calcium (Total) | 85100 ug/L | 1000 | EPA 200.7 |
| Magnesium (Total) | 39600 ug/L | 1000 | EPA 200.7 |
| COD | 21.2 mg/L | 10 | EPA 410.4 |
| Nitrogen, Ammonia | < 0.1 mg/L | 0.1 | EPA 350.1 |
| Nitrogen, Nitrate+Nitrite | 0.32 mg/L | 0.1 | EPA 353.2 |
| Phosphorus, Total | 0.091 mg/L | 0.05 | EPA 365.1 |
| TKN | 0.57 mg/L | 0.5 | EPA 351.2 |
| TOC | 4.2 mg/L | 1 | SM5310C |

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