

Instructions: **Bold** fields must be completed.

Station Summary

| | | |
|--|------------------------------------|---|
| Waterbody Name YELLOWSTONE RIVER | Waterbody ID Code 902500 | Sample ID (YYYYMMDD-CY-FD) 20161010-25-05 |
|--|------------------------------------|---|

| | |
|---|----------------------------------|
| Sampling Location 50 m upstream of County Line Rd | Database Key 135064872 |
|---|----------------------------------|

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|-------------------------------------|--|
| SWIMS Station ID 10029857 | SWIMS Station Name YELLOWSTONE RIVER AT COUNTY LINE RD (STATION 1) |
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| | | | |
|-----------------------------|------------------------------|--|--|
| Latitude 42.81417 | Longitude 89.99062 | Lat/Long Determination Method (circle) SWIMS SWDV (GPS) | Datum Used if using GPS WGS84 or NAD83 |
|-----------------------------|------------------------------|--|--|

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|--|--|-----------------------|
| Basin (WMU) SUGAR - PECATONICA | Watershed Name YELLOWSTONE RIVER | County IOWA |
|--|--|-----------------------|

Sample and Site Descriptors

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| Sample Collector (Last Name, First) AMRHEIN, JAMES | Project Name YELLOWSTONE RIVER TWA [HUC10] 2016 |
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Sampling Device

Kick Net
 Surber Sampler
 Eckman
 Ponar
 Artificial Substrate
 Hess Sampler
 Other: _____

Habitat Sampled

Riffle
 Run
 Pool
 Other
 Shoreline Composite
 Proportionally-Sampled Habitat
 Littoral Zone
 Profundal Zone
 Wetland

| | | | |
|---------------------------------------|--|--|--|
| Total Sampling Time (min) 1 | Estimated Area Sampled (m²) 1 | Number of Samples in Composite 1 | Replicate No. _____ of _____ |
|---------------------------------------|--|--|--|

Reason For Sampling

Least Impacted Reference
 Baseline
 Impact / Treatment Site
 Control Site
 Trend
 Other: _____

| | | | | | |
|--------------------------------|----------------------------|-------------------------------|-----------------------|---------------------------------------|----------------------------------|
| Water Temp. (C) 12.1 | D.O. (mg/l) 12.2 | D.O. (% sat.) 114.0 | pH (su) 8.0 | Conductivity (umhos/cm) 661 | Transparency (cm) >120 |
|--------------------------------|----------------------------|-------------------------------|-----------------------|---------------------------------------|----------------------------------|

| | |
|--|---|
| Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained | Estimated Stream Velocity (m/s) <input type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s) |
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| | | |
|--|---|--|
| Measured Velocity circle units m/s or f/s | Average Stream Depth of reach (m) 8.0 | Average Stream Width of reach (m) |
|--|---|--|

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 30
 Rubble (tennisball to basketball): 30
 Gravel (ladybug to tennisball): 40

Sand: _____ Clay: _____
 Silt/Muck: _____
 Overhanging Vegetation: _____

Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____

Embeddedness of Substrate at Sample Site (%) 20
 Canopy Cover at Sample Site (%) 50

