

Instructions: Bold fields must be completed.

Station Summary

| | | |
|--------------------------------------|------------------------------------|-----------------------------------------------------|
| Waterbody Name UPPER INLET | Waterbody ID Code 530100 | Sample ID (YYYYMMDD-CY-FD) 20161017-38-01 |
|--------------------------------------|------------------------------------|-----------------------------------------------------|

| | |
|--------------------------|----------------------------------|
| Sampling Location | Database Key 133649794 |
|--------------------------|----------------------------------|

| | |
|-------------------------------------|----------------------------------------------------------------|
| SWIMS Station ID 10043487 | SWIMS Station Name UPPER MIDDLE INLET - LAKE NOUEBAY |
|-------------------------------------|----------------------------------------------------------------|

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|-------------------------------|---------------------------------|-----------------------------------------------------------------|--------------------------------------------------|
| Latitude 45.2614995 | Longitude -87.8514531 | Lat/Long Determination Method (circle) SWIMS SWDV GPS | Datum Used if using GPS WGS84 or NAD83 |
|-------------------------------|---------------------------------|-----------------------------------------------------------------|--------------------------------------------------|

| | | |
|---------------------------------|--------------------------------------------------------|----------------------------|
| Basin (WMU) GREEN BAY | Watershed Name MIDDLE INLET AND LAKE NOUEBAY | County MARINETTE |
|---------------------------------|--------------------------------------------------------|----------------------------|

Sample and Site Descriptors

| | |
|------------------------------------------------------------|------------------------------------------------------------|
| Sample Collector (Last Name, First) ANDREW HUDAK | Project Name LAKE NOUEBAY TWA [SECTION 319] 2016 |
|------------------------------------------------------------|------------------------------------------------------------|

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) 5 | Estimated Area Sampled (m²) 2 | Number of Samples in Composite 1 | Replicate No. 1 of 1 |
|---------------------------------------|----------------------------------------------------|--------------------------------------------|------------------------------------|

Reason For Sampling

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

| | | | | | |
|--------------------------------|---------------------------|-----------------------------|-----------------------|---------------------------------------|---------------------------------|
| Water Temp. (C) 12.6 | D.O. (mg/l) 4.7 | D.O. (% sat.) 40% | pH (su) 6.9 | Conductivity (umhos/cm) 334 | Transparency (cm) 122 |
|--------------------------------|---------------------------|-----------------------------|-----------------------|---------------------------------------|---------------------------------|

| | |
|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Water Color <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" type="checkbox"/> Stained | Estimated Stream Velocity (m/s) <input checked="" 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) |
|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| | | | |
|-------------------------------|----------------------------|-------------------------------------------------|-----------------------------------------------|
| Measured Velocity — | circle units m/s or f/s | Average Stream Depth of reach (m) 0.4 | Average Stream Width of reach (m) 5 |
|-------------------------------|----------------------------|-------------------------------------------------|-----------------------------------------------|

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 10 Gravel (ladybug to tennisball): 40

Sand: 40 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____

Aquatic Macrophytes: _____ Leaf Snags: 10 Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 40
Canopy Cover at Sample Site (%) 0

Stream and Watershed Descriptors

N = Not a problem
 U = Uncertain
 PL = Present, Low Impact
 PH = Present, High Impact

| Factors that may be influencing Water Resource Integrity | | Local | Water-shed | Factors that may be influencing Water Resource Integrity | | Local | Water-shed |
|----------------------------------------------------------|--|-------|------------|----------------------------------------------------------|--|-------|------------|
| Biological | | | | Chemical | | | |
| Algae: - Diatoms / Periphyton | | | | Chlorine | | | |
| - Filamentous Algae | | | | Dissolved Oxygen | | | |
| - Planktonic Algae | | | | Nutrients (P, N...) | | | |
| Iron Bacteria | | | | Toxics: - Inorganic (Metals) | | | |
| Macrophytes | | | | - Organic (PCBs, pesticides...) | | | |
| Slimes | | | | Other - Specify: | | | |
| Other - Specify: | | | | Sources of Stream Impacts | | | |
| | | | | Bank Erosion | | | |
| | | | | Point Source - Specify: | | | |
| | | | | Pasturing of Livestock | | | |
| Channelization: - Upstream | | | | Runoff: - Barnyard | | | |
| - Downstream | | | | - Construction | | | |
| Hydraulic Scour / Channel Incision | | | | - Cropland | | | |
| Impoundment: - Upstream | | | | - Urban | | | |
| - Downstream | | | | Septic Systems | | | |
| Low Flow | | | | Tile Drainage - Organic Soils | | | |
| Sedimentation | | | | - Mineral Soils | | | |
| Sludge | | | | Springs | | | |
| Thermal | | | | Tributary(s) | | | |
| Turbidity | | | | Wetland | | | |
| Other - Specify: | | | | Other - Specify: | | | |

Comments

Special Instructions for Laboratory

| For Lab Use Only | | |
|-------------------------------------|--------------------------------------------------------------------|--------------------------------------------------|
| Sample Sorter <i>Cadie Olson</i> | Taxonomist <i>Dimick, Jeffrey</i> | Estimated Percent of Sample Sorted <i>13%</i> |
| Date Processed <i>11/10/16</i> | Specimens Saved <i>Subsample archived in ABC until Feb 2020</i> | |

E1: 57
 E3: 69
 126