

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

**Station Summary**

|   |                                    |   |
|---|------------------------------------|---|
| <b>Waterbody Name</b><br>PIONEER VALLEY CREEK | <b>Waterbody ID Code</b><br>883100 | <b>Sample ID (YYYYMMDD-CY-FD)</b><br>20171004-23-04 |
|---|------------------------------------|---|

|   |                                  |
|---|----------------------------------|
| <b>Sampling Location</b><br><i>1 m upstream of driveway culvert</i> | <b>Database Key</b><br>150693397 |
|---|----------------------------------|

|                                     |  |
|-------------------------------------|--|
| <b>SWIMS Station ID</b><br>10037459 | <b>SWIMS Station Name</b><br>PIONEER VALLEY CREEK AT DRIVEWAY AT W6359 KLASSY ROAD |
|-------------------------------------|--|

|                                    |                                     |  |  |
|------------------------------------|-------------------------------------|--|--|
| <b>Latitude</b><br><i>42.83447</i> | <b>Longitude</b><br><i>89.67572</i> | <b>Lat/Long Determination Method (circle)</b><br>SWIMS SWDV <u>GPS</u> | <b>Datum Used if using GPS</b><br>WGS84 or NAD83 |
|------------------------------------|-------------------------------------|--|--|

|  |   |                        |
|--|---|------------------------|
| <b>Basin (WMU)</b><br>SUGAR - PECATONICA | <b>Watershed Name</b><br>LITTLE SUGAR RIVER | <b>County</b><br>GREEN |
|--|---|------------------------|

**Sample and Site Descriptors**

|  |  |
|--|--|
| <b>Sample Collector (Last Name, First)</b><br>AMRHEIN, JAMES | <b>Project Name</b><br>LEGLER SCHOOL AND PIONEER VALLEY TWA 2017 |
|--|--|

**Sampling Device**

D-Frame 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

|                                       |  |  |                                     |
|---------------------------------------|--|--|-------------------------------------|
| <b>Total Sampling Time (min)</b><br>1 | <b>Estimated Area Sampled (m<sup>2</sup>)</b><br>1 | <b>Number of Samples in Composite</b><br>1 | <b>Replicate No. _____ of _____</b> |
|---------------------------------------|--|--|-------------------------------------|

**Reason For Sampling**

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

|                                       |                                   |                                     |                               |  |                          |
|---------------------------------------|-----------------------------------|-------------------------------------|-------------------------------|--|--------------------------|
| <b>Water Temp. (C)</b><br><i>13.5</i> | <b>D.O. (mg/l)</b><br><i>8.65</i> | <b>D.O. (% sat.)</b><br><i>82.1</i> | <b>pH (su)</b><br><i>7.83</i> | <b>Conductivity (umhos/cm)</b><br><i>629</i> | <b>Transparency (cm)</b> |
|---------------------------------------|-----------------------------------|-------------------------------------|-------------------------------|--|--------------------------|

|  |  |
|--|--|
| <b>Water Color</b><br><input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained | <b>Estimated Stream Velocity (m/s)</b><br><input type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input checked="" type="checkbox"/> Fast (> 0.5 m/s) |
|--|--|

|  |  |  |
|--|--|--|
| <b>Measured Velocity</b><br>circle units<br>m/s or f/s | <b>Average Stream Depth of reach (m)</b> | <b>Average Stream Width of reach (m)</b> |
|--|--|--|

**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): *20* Rubble (tennisball to basketball): *40* Gravel (ladybug to tennisball): \_\_\_\_\_  
 Sand: *20* Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other (*Detritus*): *20*

Embeddedness of Substrate at Sample Site (%) *10* 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 |
|--|--|-------|------------|--|--|-------|------------|
| <b>Biological</b>  |  |       |            | <b>Chemical</b>  |  |       |            |
| 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:   |  |       |            | <b>Sources of Stream Impacts</b>                         |  |       |            |
|  |  |       |            | Bank Erosion   |  |       |            |
|  |  |       |            | Point Source - Specify:                                  |  |       |            |
|  |  |       |            | Pasturing of Livestock                                   |  |       |            |
| <b>Physical</b>  |  |       |            | Runoff: - Barnyard                                       |  |       |            |
| Bank Erosion   |  |       |            | - Construction   |  |       |            |
| Channelization: - Upstream                               |  |       |            | - Cropland   |  |       |            |
| - Downstream   |  |       |            | - Urban  |  |       |            |
| Hydraulic Scour / Channel Incision                       |  |       |            | Septic Systems   |  |       |            |
| Impoundment: - Upstream                                  |  |       |            | Tile Drainage - Organic Soils                            |  |       |            |
| - Downstream   |  |       |            | - Mineral Soils  |  |       |            |
| Low Flow   |  |       |            | Springs  |  |       |            |
| Sedimentation  |  |       |            | Tributary(s)   |  |       |            |
| Sludge   |  |       |            | Wetland  |  |       |            |
| Thermal  |  |       |            | Other - Specify:   |  |       |            |
| Turbidity  |  |       |            |  |  |       |            |
| Other - Specify:   |  |       |            |  |  |       |            |

Comments

---

Special Instructions for Laboratory

| For Lab Use Only                 |   |   |
|----------------------------------|---|---|
| Sample Sorter<br>Justin Kowalski | Taxonomist<br>Dimick, Jeffrey                               | Estimated Percent of Sample Sorted<br>13% |
| Date Processed<br>4/2/18         | Specimens Saved<br>Subsample archived in ABL until Jun 2021 |   |

E3 D2 C1  
 89 209

| Taxa                                 | Life Stage   | Bench Tally      | Count        | Taxonomic Reference | Condition     | Unique Taxon |
|--------------------------------------|--------------|------------------|--------------|---------------------|---------------|--------------|
| Baetis                               | L            | I                | 1            | Kubertanz 2016      | imm           | N            |
| B. brunneicolar                      | L            | x-iiii           | 19           | "                   |               |              |
| 1/8 B. tricaudatus                   | L            | -iii             | 8            | "                   |               |              |
| 2/3 Brachycentrus occidentalis       | L            | -                | 5            | Hilsehoff 1995      |               |              |
| Cheumatopsyche                       | L            | 0-ii             | 27           | "                   |               |              |
| Hydropsyche                          | L            | -ii              | 7            | "                   | imm           | N            |
| H. betteni                           | L            | <del>ii</del> x1 | 11           | Schm, Hils. 1986    |               |              |
| 3/4 Diplectrana modesta              | L            | I                | 1            | Hilsehoff 1995      |               |              |
| Ceratopsyche slossonae               | L            | 0-iii            | 24           | Schm, Hils. 1986    |               |              |
| 4/7 Lepidostoma                      | L            | ii               | 3            | Hilsehoff 1995      |               |              |
| Limnephilus                          | L            | I                | 1            | "                   |               |              |
| Sialis                               | L            | I                | 1            | "                   |               |              |
| Optioservus                          | L            | xiiii            | 14           | Hls., Schm. 1992    |               |              |
| D. fastidicus L, 16 A, 1             | L/A          | x-ii             | 17           | "                   |               |              |
| Bezza/Alpomyia                       | L            | I                | 1            | Hilsehoff 1995      |               |              |
| Empididae                            | L            | I                | 1            | Court, Merr. 2008   | dam           | N            |
| Hemerodromia                         | L            | -I               | 6            | "                   |               |              |
| Ephydriidae                          | P            | ii               | 2            | Merr., Webb 2008    |               |              |
| Simulium tuberosum species group     | L            | iii              | 4            | Adler et al 2004    |               |              |
| S. vittatum species complex 08110217 | L            | -iiii            | 9            | "                   |               |              |
| Simulium                             | P            | iiii             | 4            | "                   |               | N            |
| Dicranota                            | L            | ii               | 2            | Hilsehoff 1995      |               |              |
| Microseetra                          | P            | I                | 1            | Ferr. et al. 2008   |               |              |
| 5/19 Glossosoma intermedium          | L            | ii               | 2            | Wymer, Morse 2000   |               |              |
| Gammarus pseudolimnensis             | A            | 80-iii           | 83           | Holsinger 1972      |               |              |
| Sperchanopsis                        | A            | I                | 1            | Pluchino 1984       |               |              |
| Naidinae                             | A            | ii               | 3            | Ersev, Gustav 2002  |               |              |
| tubificoid Naididae w/o hair chaetae | A            | iii              | 4            | Ersev et al 2008    |               |              |
| Physa                                | A            | I                | 1            | Rogers 2016         |               |              |
| <del>Split A3 Chironomidae</del>     | <del>L</del> | <del>ii</del>    | <del>2</del> | <del>"</del>        | <del>"</del>  | <del>"</del> |
| Conchapelopia                        | L            | ii               | 2            | Corn, Epler 2013    |               |              |
| Theremanniomyia group                | L            | ii               | 2            | "                   | imm           | N            |
| Orthocladinae 08300000               | L            | iii              | 3            | Cranston 2013       | not ident/imm | N            |
| Dramesa                              | L            | I                | 1            | Sadh, Ander 2013    |               |              |
| Brillia                              | L            | iii              | 3            | Ander + 3 2013      | not ident/imm |              |
| Eukiefferella claripennis group      | L            | I                | 1            | "                   |               |              |

> 3 taxa, TVAL ≤ 2.0  
 19 ← (0.1 x 322)

