| Site Code: | Stream Name: | Agency: | Sampling Event Date: (dd-mmm-yyyy) | Coordinates: (UTM or Lat/Long) | Circle presented options when |
|---|---|---|---|---|---|

**Mandatory Fields in Red/Bold**

## SITE CREATOR

| | |
|---|---|
| Elevation (m) | |
| Candidate Reference Site | yes no |

## SAMPLING EVENT

| | |
|---|---|
| **Gear Type** | D-net ponar grab Ekman dredge unknown/other<br>If other please explain: |
| **Collection Method** | OBBN kick & sweep CABIN kick & sweep grab other<br>If other please explain: |
| **Mesh Size** | 500 micron 400 micron n/a |
| River Permanence | Intermittent perennial pumped drain unknown |
| Bank-full Width (m) | |
| % Canopy Cover | 0-25 26-50 51-75 76-100 |
| Time of Day | |
| Event Comment | |

Riparian vegetation is defined facing downstream (found below).

| | |
|---|---|
| Left 1.5-10m | none lawn cropland meadow scrubland forest wetland |
| Left 10-30m | none lawn cropland meadow scrubland forest wetland |
| Left 30-100m | none lawn cropland meadow scrubland forest wetland |
| Right 1.5-10m | none lawn cropland meadow scrubland forest wetland |
| Right 10-30 m | none lawn cropland meadow scrubland forest wetland |
| Right -100m | none lawn cropland meadow scrubland forest wetland |

## WATER CHEMISTRY

| | |
|---|---|
| Water Temperature (°C) | |
| DO (mg/L) | |
| Conductivity (µS/cm) | |
| Alkalinity (mg/L as CaCO3) | |
| pH | |
| Turbidity (NTU) | |
| Chemistry Comment | |
| Chemistry Method | Lab Field Instrument |

## COLLECTION AREA

| **Sample #** | 1 | 2 | 3 |
|---|---|---|---|
| **Pool or Riffle** | Pool Riffle | Pool Riffle | Pool Riffle |
| **Wetted Width (m)** | | | |
| **Sampling Distance (m)** | | | |
| **Sampling Time** | | | |
| **Max Depth (cm)** | | | |
| **Max Hydraulic Head (mm)** | | | |
| **Dominant Substrate** | 1 2 3 4 5 6 7 | 1 2 3 4 5 6 7 | 1 2 3 4 5 6 7 |
| **2nd Dominant Substrate** | 1 2 3 4 5 6 7 | 1 2 3 4 5 6 7 | 1 2 3 4 5 6 7 |
| **Subsampling Method** | Bucket Marchant other: | Bucket Marchant other: | Bucket Marchant other: |
| **Visual Aid** | Microscope Unaided | Microscope Unaided | Microscope Unaided |
| **Longitude** *Record at centroid* | | | |
| **Latitude** | | | |
| **Number of Samples Pooled (grabs/area)** | | | |

| **Organic Matter– Areal Coverage** | | | |
|---|---|---|---|
| Woody Debris | 0 1 2 | 0 1 2 | 0 1 2 |
| Detritus | 0 1 2 | 0 1 2 | 0 1 2 |
| **Macrophytes** | | | |
| Emergent | 0 1 2 | 0 1 2 | 0 1 2 |
| Rooted Floating | 0 1 2 | 0 1 2 | 0 1 2 |
| Submergent | 0 1 2 | 0 1 2 | 0 1 2 |
| Free Floating | 0 1 2 | 0 1 2 | 0 1 2 |
| **Algae** | | | |
| Floating | 0 1 2 | 0 1 2 | 0 1 2 |
| Filamentous | 0 1 2 | 0 1 2 | 0 1 2 |
| Attached | 0 1 2 | 0 1 2 | 0 1 2 |

*Dominant and 2nd dominant substrate*

| | |
|---|---|
| 1 | Clay (hard pan) |
| 2 | Silt (floury, <0.06mm) |
| 3 | Sand (grainy, 0.06-2mm) |
| 4 | Gravel (2-65mm) |
| 5 | Cobble (65 - 250mm) |
| 6 | Boulder (>250mm) |
| 7 | Bedrock |

Organic matter, macrophytes and algae

| | |
|---|---|
| 0 | absent |
| 1 | present |
| 2 | abundant |

## PEBBLE COUNT

| | 1 | 2 | 3 |
|---|---|---|---|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |

Use the following chart to define pebble counts

| Material | Size to be Recorded (mm) |
|---|---|
| Unconsolidated Clay | 0.01 |
| Consolidated Clay | 0.011 |
| Silt | 0.05 |
| Sand | 0.1 |
| Bedrock | 1111 |
| Concrete | 2222 |
| Measured Particles | Between 2mm & 1000mm - record the median axis |
| Large Boulders | 1001 |