**Linkin’ logs lesson 1 – Logjams and Macroinvertebrate habitat: Data Sheet**

River:

Cross section locations:

Field team names:

Date:

**Part 1: Hypotheses**

Hypothesis 1: Knowing what you know about how logjams influence stream channel features, how do you think the two sites (logjam and non-logjam) will be similar and different with respect to water depth, composition of riffles/ pools, channel width, or other channel features?

Similar?

Different?

Hypothesis 2. Given what you know about how channel morphology affects habitat for macroinvertebrates, what do you expect to find at logjam and non-logjam sites?

Non-logjam:

Logjam:

**Part 2: Sketching:**

Drawing of logjam and stream channel:

Drawing of area lacking logjam:

Thoughts on differences (write a few sentences/paragraph):

**Part 3: Quantitative Data Collection**

Non-logjam location

|  |  |
| --- | --- |
| **Item** | **Measurement** |
| Bankfull Depth |  |
| Bankfull Width |  |
| Substrate description |  |
| Other stream description notes |  |

Logjam location:

|  |  |
| --- | --- |
| **Item** | **Measurement** |
| Bankfull Depth |  |
| Bankfull Width |  |
| Substrate description |  |
| Other stream description notes |  |
| Logjam obstruction index (1-3) |  |
| Logjam decay index (1-5) |  |
| Key pieces (length, diameter at each end) |  |
| Logjam orientation |  |
| Logjam complexity |  |
| Touching streambank? |  |
| Touching floodplain? |  |
| Occupy deepest part? |  |
| Buried or partially buried? |  |
| Key piece above bankfull? |  |
| Alive? |  |

**Assessment Questions:**

How were the two sites (logjam and non-logjam) the same and different?

Explain any differences and similarities between logjam and non logjam sites you observed.

What influences do you think the logjam had on stream habitats?

How might this affect what macroinvertebrates are found in the channel?