

## Field Study Write-Up

### Field Biology

This assignment is an individual assignment, and it needs to be typed. This assignment is **due at the end of the period on Wednesday November 23<sup>rd</sup>**. **First save your work as a .doc NOT a docX file in order for me to access it.** It needs to be typed using the template that is on the Field Biology website and then e-mail it to [dan.bregar@corvallis.k12.or.us](mailto:dan.bregar@corvallis.k12.or.us) with the subject "per X your name AMI".

Your proposal should describe what you are investigating at Jackson Creek and how you will conduct your study. Use the attached form to compose and complete your write-up.

**1. Question:**

In "what is the relationship between" form write the question that you will be trying to answer. In several sentences describe why you feel there might be a relationship between the subjects in your question and why you are interesting in finding out the answer to the question.

**2. Background Information:**

You need to answer the questions in order to show you have the information necessary in understanding these organisms well enough to carry out your investigation.

**3. Methods:**

For each element of your question, describe HOW you will collect your data. Be as specific as possible – your methods should take the form of a step-by-step list that anyone could follow. In writing your methods, think about the instructions you would need to give someone in order for them to collect your data for you.

**4. Data Form:**

Make a data form that fits the information you are recording. This should be labeled in order for someone reading your report understands what you have recorded.

**5. Materials:**

Include a list of all the materials you will need for your study.

**6. Analysis:**

In three or four sentences, explain how you will use your data to answer your question. Identify how you will need to format your data using tables and graphs, explain what the different possible answers to your question could be, and describe how your data might indicate which answer is the correct one. Other possible factors affecting the results should be outlined in this section and explained.

Name\_\_\_\_\_

Period and Date\_\_\_\_\_

Field Biology

### Field Study Write-Up

1. Question you are analyzing and 2-3 sentences on why you are interested in this subject:

2. Background Info:

I. List 5 of the aquatic macro-invertebrates that live in Jackson creek and include the scientific name.

II. List 3 examples of what the aquatic macro-invertebrates of Jackson creek consume.

III. Describe using a sketch or several sentences describing the role that aquatic macro-invertebrates play in the food web.

IV. Describe or draw the habitat that the aquatic macro-invertebrates live in. Include at least 3 abiotic and 2 biotic factors and label the factors accordingly.

3. Methods:

4. Class Data:

	Caddisflies	Stoneflies	Dragonflies	Mayflies	Snails	Trueflies
Slow moving water	4	5	0	59	2	11
Fast moving water	3	11	0	14	135	12

5. Materials:

6. Analysis:

(What type of relationship might be represented based on the data associated with the study? This should be a paragraph describing your results and it will need to include this graph of the class data to support your conclusions. Include your ideas based on the information you have included in the background information section on why these results may be supported.)

