

## Instructions for the Mer Bleue Lab (starts Sept. 20<sup>th</sup>)

### 1- General instructions:

- 1- Read the manual and know your plants
- 2- **Meet at 2:20PM Mon-Thu and 12:50 on Friday in front of Lamoureux Hall**
- 3- Meet your TAs in front of your bus (see [bus assignment](#) on the Lab web site).

### 2- Timeline:

- **Day 0:** Trip to Mer Bleue
- **Day +1 (at the latest):** Enter your observation in [BIO1130-Labs virtual campus](#): click on the “Mer Bleue data entry” link and answer the questionnaire.
- **Day +1/+2:** Download the [combined data sheet](#) from the lab web site
- **Day +7 before 5:00PM:** Hand in report version 1.

You will receive your corrected version 1 during lab 2.

Version 2 (optional): Hand in version 2 of your report **together with corrected version 1** before 5:00PM after getting your correct V1. Corrected V2 will be returned during Lab3.

Dates for all section are posted in the “Mer Bleue hand-in date” file + Your TAs will announce the hand-in dates during the lab.

Use the [plant assignment tool](#) on the web site to know what plant is “your plant” for the Mer Bleue report (this can be done anytime)

### 3- Mer Bleue Report:

#### **Both versions must contain:**

- 1- **A title page** (see example in lab manual)
- 2- **A graph** presenting the incidence of your plant (=the frequency at which it has been observed) as observed by the 5 groups at the 5 stations of Mer Bleue ordered in a moisture gradient. Use the combined data.
- 3a- **A hypothesis** regarding the causal relationship between moisture level and the distribution of your plant.
- 3b- **A prediction regarding** the effect of water drainage would have upon the abundance of your plant at the site it is most abundant now.

#### Hints:

- Considering the source of water in the different stations, predict what would be the consequence of a partial drainage of Mer Bleue at the station where your plant is most abundant.
- Based on your hypothesis, how would the new moisture conditions affect the abundance of your plant at the station where it grows the most?

**= 3 pages in total – the hypothesis and prediction shouldn’t be longer than a couple of lines.**

#### Notes:

Follow the guidelines in the **lab manual appendix I** to plot a proper graph. The graph showed in the pre-lab presentation does not strictly follow these guidelines.

The **graph must be hand-made on millimeter paper** and the rest of the report typed.

**Make sure you know where the drop off document room is so you won’t miss the deadline. The BSC complex is not accessible to students during the Week end.**