

## **APPENDIX D: Field Study Materials/Equipment**

### **Equipment List for the outdoor portion of this project**

#### General:

- Bug spray
- Sunscreen
- Hat
- Old, durable shoes/ rubber boots
- Durable clothing/ change of clothes for later

#### Safety:

- First aid kit
- Cell phone with numbers to school
- Do students have
  - insect allergies? [Epipen]
  - Asthma? [Inhaler]
  - other?

#### Each group:

- Clip board
- Pencil
- Data sheet
- pH meter/strips
- Dissolved oxygen kit
- Thermometer
- Wind speed meter
- Clean, empty vial with a lid. ~100 ml (for microscopy work and water chemistry kits)
- Net to collect aquatic plants/animals
  - Small vial for samples
- ~2 self-closing plastic bags for collection of plant leaves. Note: be careful not to collect the entire plant. A photo of the plant, and a few details of height, berries, flower colour etc.
- Other

## **Equipment List for the indoor portion of this project**

- Water chemistry kits
  - Nitrogen kit \*depending on availability at the school\*
  - Phosphorous kit \*depending on availability at the school\*
  - Magnesium kit \*depending on availability at the school\*
  - Hardness kit \*depending on availability at the school\*
  
- Microscope
  - Iodine or other type of stain
  - Eye droppers
  - Cover slip
  - Slide
  - Identification page with common microscopic organisms
  
- Identification books
  - Plant
  - animal/bird/mammal
- Other