

## INVITATION

Any and all parts of this curriculum may be used/duplicated by any nonprofit organization to help teach students about the aquatic outdoors. Please note that instructional material is printed on “off-white” paper while lab and hand-out material is printed on white paper to facilitate duplication.

## CONTENTS

|                                 |    |
|---------------------------------|----|
| ACKNOWLEDGEMENTS.....           | 1  |
| INTRODUCTION.....               | 2  |
| HELPFUL SUGGESTIONS.....        | 4  |
| EQUIPMENT LIST.....             | 8  |
| ITINERARY FORM AND SAMPLES..... | 10 |
| CANOEING/SAFETY.....            | 14 |

### FALL INDOOR ACTIVITIES

#### Critical Habitat

|             |    |
|-------------|----|
| Lesson..... | 17 |
| Lab.....    | 19 |

#### Water Quality

|             |    |
|-------------|----|
| Lesson..... | 25 |
| Lab.....    | 28 |

#### Aquatic Plants

|             |    |
|-------------|----|
| Lesson..... | 29 |
| Lab.....    | 32 |

#### Aquatic Invasive Species

|             |    |
|-------------|----|
| Lesson..... | 33 |
| Lab.....    | 35 |

### FALL OUTDOOR ACTIVITIES

#### Critical Habitat

|             |    |
|-------------|----|
| Lesson..... | 36 |
| Lab.....    | 38 |

#### Aquatic Plants

|             |    |
|-------------|----|
| Lesson..... | 42 |
| Lab.....    | 44 |

#### Water Quality

|             |    |
|-------------|----|
| Lesson..... | 45 |
| Lab.....    | 46 |

**SPRING INDOOR ACTIVITIES**

**Macroinvertebrates**  
    Lesson.....47  
    Lab.....49

**Shoreline Restoration/Reforestation**  
    Lesson.....53  
    Lab.....54

**Food/Energy Chain/Pyramid/Web**  
    Lesson.....56  
    Lab.....57

**SPRING OUTDOOR ACTIVITIES**

**Macroinvertebrates**  
    Lesson.....59  
    Lab.....(Same as) 49

**Shoreline Restoration/Reforestation**  
    Lesson.....61  
    Lab.....63

**Food/Energy Chain/Pyramid/Web**  
    Lesson.....64  
    Lab.....66

**SCAVENGER HUNT, CULMINATING ACTIVITY**  
**LESSON.....68**  
**SCAVENGER HUNT, CULMINATING ACTIVITY LAB.....69**  
**ECO DAY STUDENT EVALUATION.....70**  
**OPTIONAL ECO-DAY PRE/POST TEST PROCEDURES.....72**  
**OPTIONAL ECO-DAY PRE/POST TEST.....73**  
**OPTIONAL ECO-DAY PRE/POST TEST ANSWER SHEET.....76**