

## BIO ESA Tour Worksheet – Environmental Study Area

83

Name \_\_\_\_\_

### **Objectives:**

1. Recognize and describe the California native plant communities that are exhibited here at the ESA.
2. Understand why California enjoys so much biological diversity.
3. Demonstrate use of a dichotomous tree key.

### **For each plant community:**

- Give its chief characteristics (climate, terrain, etc)
- Describe some of the adaptations plants have made to succeed in the community
- Name 2 or 3 key plants

### **For the ESA:**

- Look for and name 5 living members of the animal kingdom. Identify the phylum and class they belong to.
- How are people threatening the native plant communities?
- Key 3 trees on your own.

### **Define the following terms:**

1. Adaptation
2. Riparian
3. Deciduous
4. Canopy
5. Leaf litter
6. Nutrient cycling
7. Decomposers
8. Drought resistant adaptations
9. Gymnosperms
10. Angiosperms

## **Freshwater Marsh & Pond/ Wetlands:**

- Characteristics/ Description
  
  
  
- Plant Adaptations
  
  
  
- Examples
  
  
  
- Any animal sightings?

## **Riparian:**

- Characteristics/ Description
  
  
  
- Plant Adaptations
  
  
  
- Examples
  
  
  
- Any animal sightings?

**Redwoods:**

- Characteristics/ Description
  
  
  
  
  
  
  
  
  
  
- Plant Adaptations
  
  
  
  
  
  
  
  
  
  
- Examples
  
  
  
  
  
  
  
  
  
  
- Any animal sightings?

**Conifers:**

- Characteristics/ Description
  
  
  
  
  
  
  
  
  
  
- Plant Adaptations
  
  
  
  
  
  
  
  
  
  
- Examples
  
  
  
  
  
  
  
  
  
  
- Any animal sightings?

## **Coastal sand dunes:**

- Characteristics/ Description
  
- Plant Adaptations
  
- Examples
  
- Any animal sightings?

## **Foothill-Woodland:**

- Characteristics/ Description
  
- Plant Adaptations
  
- Examples
  
- Any animal sightings?

## **California Desert:**

- Characteristics/ Description
  
- Plant Adaptations
  
- Examples
  
- Any animal sightings?

## **Channel Islands:**

- Characteristics/ Description
  
- Plant Adaptations
  
- Examples
  
- Any animal sightings?

## **Grassland:**

- Characteristics/ Description
  
- Plant Adaptations
  
- Examples
  
- Any animal sightings?

## **Chaparral:**

- Characteristics/ Description
  
- Plant Adaptations
  
- Examples
  
- Any animal sightings?