

Tarlatt Slough Expedition Inferences

Prior to arrival at the Refuge, each student group will choose three inferences from the list below to test during the Expedition. Each inference is an extension from information gained during classroom activities, and it is recommended that each student group have one inference from each habitat the class has studied. In addition, each group should have at least one student-generated inference. Activities found in the *Change Edition* of the workbook will help students generate an inference for the Expedition.

Refuge-Generated Inferences

Estuary

1. I will find evidence of macro invertebrates (worms, insects, crustaceans) in the estuary soil.
2. Estuary soils are smelly and dark colored.
3. The salinity is higher closer to the open water of the bay.
4. There is more estuary habitat available on the restored side of the slough than the diked side.

Forest

1. I will find at least 3 types of fungus in the forest.
2. I will find evidence of scavengers and detritivores in the forest.
3. I will find marbled murrelet and/or salamander habitat in the forest.
4. There is a higher diversity of plants in the forest where the trees are different ages, than where the trees are mostly the same age.

Freshwater Wetland

1. I will find more types of plants in the wetland than the salt marsh.
2. I will find evidence of micro invertebrates (copepods, plankton, mites) in the wetland.
3. I will find evidence of predation.
4. I will find barriers to stream flow (dikes, roads or small culverts).

Optional: Grassland

1. I will find evidence of feeding birds in each habitat (estuary, grassland and forest).
2. I will find bees, beetles, flies and/or butterflies pollenating flowers.
3. I will find evidence of herbivory in the grassland habitat.
4. Plants grow taller in the forest than in the grassland.

Student-Generated Inference

Students can use the activities found in the *Change Edition* of the workbook to create an inference they are interested in testing on the Expedition.

Collecting, Recording and Sharing Observations/Data

Each student group will test at least three inferences on the Expedition. Each student will record at least one observation as data per test. This data will be used to provide a report to Refuge staff at the end of the Expedition.

