

Kilchis Point Reserve Quest

Established: April 2018 by the Tillamook Junior High ELD class

Box Monitor: Tracy Nuzum and the Tillamook Pioneer Museum



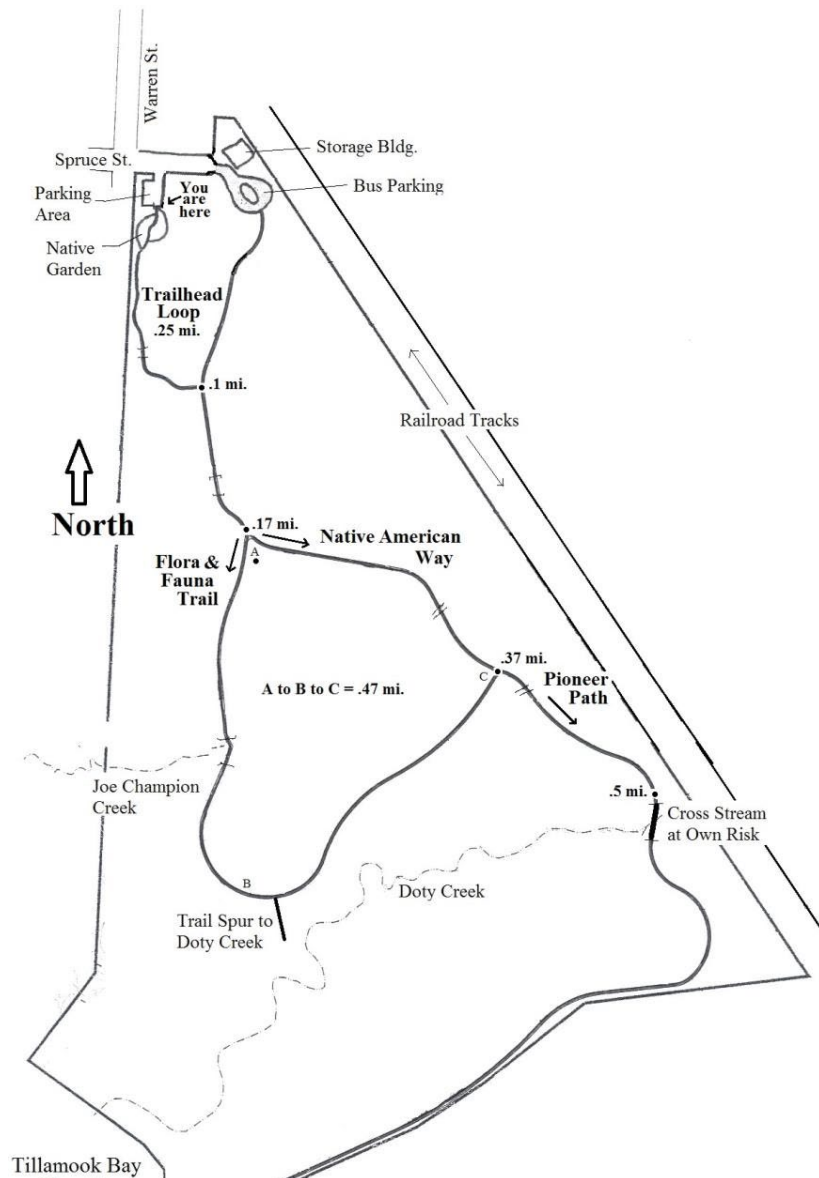
Welcome to the estuary known as Kilchis Point Reserve. An estuary is a place where freshwater, such as a river, meets the saltwater ocean. Kilchis Point is 200 acres in size, and 33 percent of it is wetland. Wetlands protect us from flooding and produce habitat for wildlife.

One-third of the world's endangered species depend on wetlands. Wetlands also provide us with an opportunity to observe and enjoy nature. They are home to plants and animals that form ecosystems. There are three trails here:

- Flora and Fauna
- Native American Heritage
- Pioneer Settlements

This Quest focuses on the Flora and Fauna of Kilchis Point. Each instruction refers to a sign title which will help you find a clue. **All of the Quest clues are in signs**, but not all of the signs have Quest clues.

Use this map to help you solve the Quest. Follow the directions and collect the letter clues to fill the numbered squares on the last page of this Quest. The message you complete will help you find the hidden Quest box.



Quest Partners

Tillamook County Pioneer Museum • Tillamook Jr. High School

There are two miles of trails here, but you won't walk them all during this Quest. Wear sturdy shoes, because there is uneven ground, roots and puddles. Water levels get higher in winter. This Quest takes about an hour to complete, but allow extra time if you want to explore some of the other trails and signs. Dogs are permitted on the trail.

Traveling north on Highway 101: As you just begin to enter Bay City limits, turn left on Warren Street. Then turn left on Spruce Street. You will be able to see the trailhead parking lot.

Traveling south on Highway 101: Turn right on Warren Street. Then turn left on Spruce Street. You will be able to see the trailhead parking lot.

Let's begin!

Start at the kiosks across from the bathrooms.

You are a Visitor in Cougar Habitat

Do not run. Make yourself look BIG. Back away _____.
The letter used twice in the missing word is clue #7 and #19.

Kilchis Point is Black Bear Country

Do not run, fight back _____ eye contact. Give the bear space when its cub is near it. The first letter of the missing word is clue #22.

Flora and Fauna Trail

Fauna is to animals as flora is to _____.
The first letter of the missing word is clue #6 and #21.

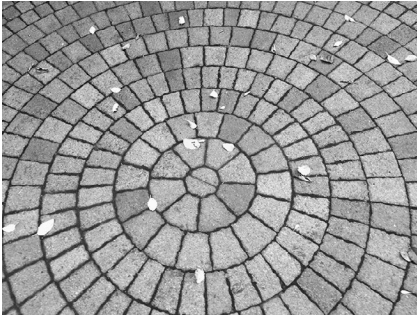
Follow the brick path down the trail.

You Can Make a Difference at Home

Recycle. Plant a native garden. Conserve _____.
The fifth letter of the missing word is clue #2 and #11.

Invasive Plants

Himalayan blackberry was imported. English ivy was imported for ground cover. Scotch _____ was imported to stabilize sand dunes. The last letter of the missing word is clue #15.



At the circle, bear right.

Rough-Skinned Newt

Newts are a type of amphibian that produce powerful neuro _____ in the skin. Please do not handle the newts. The first letter that is missing in this word is clue #1, #9, #10, and #23.

Wetlands

There are three techniques used to classify wetlands.

_____ – how much water and how long it stays. Vegetation growth – types of plants. Anaerobic – how much oxygen is in the soil.

The first letter of the missing word is clue #24.

Amphibians and Reptiles of Kilchis Point

Amphibians lay their eggs in water. They attach their eggs to aquatic plants. They are born with _____ and develop lungs and legs as they mature. The second letter of the missing word is clue #8 and #16.

Reptiles lay eggs with hard, leathery shells. Reptiles are born with _____ that are already developed. Reptiles are covered in scales or horny plates. The second letter of the missing word is clue #12.

At circle #2, follow the Flora & Fauna signs to the right.

Animal Tracks

We know which animals live here by the _____ they leave behind.

Bobcats have retractable claws. Cougars, bears, deer, squirrels, and raccoons live here. The fifth letter of the missing word is clue #14.

Kilchis Point Food Web

Biodiversity – wide variety of plants and animals in natural environment.

An _____ is a community where living organisms interact with each other and the environment. The first letter of the missing word is clue #3, #4, and #20.

The Importance of Estuaries

An estuary is a place where freshwater from rivers and streams meets the _____ water from the ocean or bay. The first letter of the missing word is clue #5.

Native Ferns in the Tidal Spruce Forest

Sword ferns live in all types of soil. Deer ferns prefer shade. _____ ferns can grow six feet tall. The third letter of the missing word is clue #17 and #18.

Mammals at Kilchis Point

Little brown bats are _____, which means active at night. American beaver is the largest rodent in North America. The letter used twice in the missing word is clue #13.

Now that you have collected all your letter clues, use the message to help you find the hidden Quest Box. Check your map. If you go a little farther on the trail, it splits into two. Take the left Native American Trail back towards where you began your Quest. After you pass the circle, use your hidden message to find the box.

Remember, the box will be in a place where only Questers will find it!



Fill in the boxes with the answers to the clues to solve the Quest.

Near the
1 2 3 4

with the

5 6 7 8 9 10 11 12 13 14

in the

15 16 17 18 19 20

of the

21 22 23 24

When you've found the Quest Box, sign your name and stamp the back of your book to mark your accomplishment. Don't forget to seal the box tightly and return it to its hiding place for the next person to find!

*If you enjoyed this Quest, check out *The Oregon Coast Quest Book*, which contains maps and directions for this Quest and 26 other clue-directed hunts across seven counties.*

For information about where Quests are located and where to find a Quest Book, visit <https://seagrant.oregonstate.edu/quests>.