

Activity 13 – Using Emerging Technologies to collect and analyze data

Student Guide – Community Explorer Answers

- Willapa Bay Introduction describes Willapa Bay’s history
How big is the Willapa watershed? (**680,000 acres**)
Oysters are cultivated over how many acres? (**10,000**)
Name the different clam species (**cockle, Eastman, eastern, horse, and manila**). Note: “nodata” under the clam names means there is no name in the database for the area (polygon) matching the color code next the word “nodata”.
- Non-native Aquatic Species
Name 3 non-native species (**bullfrog, European green crab, spartina**)
- Bullfrog Background
Where are bullfrogs likely to be found? (**warm water in highly populated areas**)
How many bullfrog sightings were recorded? (**4**)
- Spartina Background
Why do you think the person studying Spartina is wearing little inner tubes on his feet? (**to walk over the mud rather than sink in it**)
What was the year the Spartina patches were photographed? (**1955**)
Where would you expect to find Spartina in Willapa Bay? (**in the mud flats at the southern part of the bay with the least wave action**).
Are the good oyster beds affected by Spartina? (**not that much because oysters like a little deeper water than Spartina**)
- Green Crab Background
Where do you find Green Crabs? (**quiet bays and estuaries**)
It has been speculated that Green Crabs are closely linked to Spartina.
Does the data support that assumption? (**No**)
How many millions of dollars of potential damage did the media report? (**\$45 million**).