

Name:

Date:

Catching the Wandering Eel
Water Quality Scientist

Job Description: A water quality scientist is responsible for safeguarding all aspects of water quality through scientific analysis and the setting of targets and standards in response to specific legislation. They compare test results with these standards, investigate shortfalls and take action to remedy problems.

As a group we decided:

The Estuary we are studying _____

We are going to be fishing for _____ (life cycle)

Once the Fishery Biologist gives you the fishing season you will research the following information and share it with your group:

1. Go to the following website Center for Coastal Monitoring and Assessment:

Estuarine Living Marine Resources Database

http://www8.nos.noaa.gov/bioge_public/elmr.aspx

2. Check the following parameters:

1. Your region
2. Your estuary
3. American Eel
4. The life stage you are interested in
5. All salinity zones
5. Click ***Preview Query***

Record the months and salinities that your fish is common to abundant in your estuary

1. Go to the following website NOAA Estuary Education, Monitoring Estuarine Water Quality, <http://apps.dataintheclassroom.org/water-quality/>

2. Click on ***Level 1***
3. Click on ***try making your own graph***
4. Choose your Estuary
5. Choose temperature and Dissolved oxygen
6. Input the months that are open to fishing
7. Chose graph or CSV file
8. Click on ***Get Data***

Run the graphs for the last 3 years

Report your results to your group