

ADVENTIST YOUTH HONORS

Estuary Pilot Honor Requirements And Instructor's Key



By Marcie Strobel:
Pathfinder Counselor

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ESTUARY

Skill level: 1 &2

Objective: To develop an understanding and appreciation of the importance of estuary habitats as part of the environment.

Developed by: Marcie Strobel, Pathfinder Counselor



Requirements:

- 1) What is an estuary?
- 2) What is the purpose of an estuary?
- 3) What types of habitats are found in estuaries?
- 4) Give some examples of estuaries.
- 5) Give some examples of wildlife found in estuaries.
- 6) Why are estuaries important?
- 7) What are some important jobs of an estuary?
- 8) Do one of the following: Make a visit to a nearby estuary, read a book about estuaries, or watch a video of estuaries. Write a report of what you have learned.

Skill Level 1 & 2

Additional resources for completing this honor:

(All information for answers was taken from EPA, National Estuary Program website at <http://www.epa.gov/nep/about1.htm> accessed October 2004)

Any book about an estuary qualifies for this honor. The same goes for videos.

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Skill level: 1 &2

Objective: To develop an understanding and appreciation of the importance of estuary habitats as part of the environment.



Developed by: Marcie Strobel

Requirements:

1) What is an estuary?

An estuary is a partially enclosed body of water formed where freshwater from rivers and streams flows into the ocean, mixing with the salty sea water.

2) What is the purpose of an estuary?

Estuaries support unique communities of plants and animals, specially adapted for life at the margin of the sea.

3) What types of habitats are found in estuaries?

Shallow open waters, freshwater and salt marshes, sandy beaches, mud and sand flats, rocky shores, oyster reefs, mangrove forests, river deltas, tidal pools, sea grass and kelp beds, and wooded swamps.

4) Give some examples of estuaries.

San Francisco Bay, Puget Sound, Chesapeake Bay, Boston Harbor, and Tampa Bay.

5) Give some examples of wildlife found in estuaries.

Shore birds, fish, crabs and lobsters, marine mammals, clams and other shellfish, marine worms, sea birds, and reptiles.

6) Why are estuaries important?

Estuaries are critical for the survival of many species. Birds, mammals, fish, and other wildlife depend on estuarine habitats as places to live, feed, and reproduce. Migratory birds rest and refuel during their journeys.

7) What are some important jobs of an estuary?

a-- As water from upland flows through fresh and salt marshes, much of the sediments and pollutants carried in it are filtered out. This filtration process creates cleaner and clearer water, which benefits both people and marine life.

b--Wetland plants and soils also act as a natural buffer between the land and ocean, absorbing flood waters and dissipating storm surges. This protects upland organisms from storm and flood damage. Salt marsh grasses and other estuarine plants also help prevent erosion and stabilize the shoreline.

8) Do one of the following: Make a visit to a nearby estuary, read a book about estuaries, or watch a video of estuaries. Write a report of what you have learned.

Skill Level 1 & 2

Additional resources for completing this honor:

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Any book about an estuary qualifies for this honor. The same goes for videos.

The suggested category of this honor is: Nature

The Conference/Union Patch for this honor is the same picture in the format of a round cornered triangle.

Pilot Pathfinder Honor Evaluation Form

ESTUARY

EVALUATION FORM

Please print clearly and answer all questions thoroughly. Thank you for pilot testing this badge.

Your name _____ Daytime telephone _____

Your mailing address _____

_____ Zip/Postal Code _____

E-mail address _____

Group Name _____ Sponsor/Church _____

Group Director _____ Area Director _____

Conference/Region _____

Date you began honor _____ Date Completed _____ How many completed? _____

Years experience as a youth leader/counselor _____ Was this the first time you taught an honor Y/N

Was the goal of the honor clear?

Were the resources and the key thorough?

Was completion in a timely manner practical?

Was it necessary to make changes to the requirements?

If so what did you change and why?

Were there problems with the resources and key?

If so what changes do you recommend?

What did you like about the honor?

What did you like about the key and the resources?

What advice might you give future instructors?

Did you find the skill rating appropriate?

Would you teach this honor again?

Please use additional paper for your answers if needed.

Upon completion mail to: XYRI Pilot Honors

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