

# Welcome to Kennedy Creek NAP

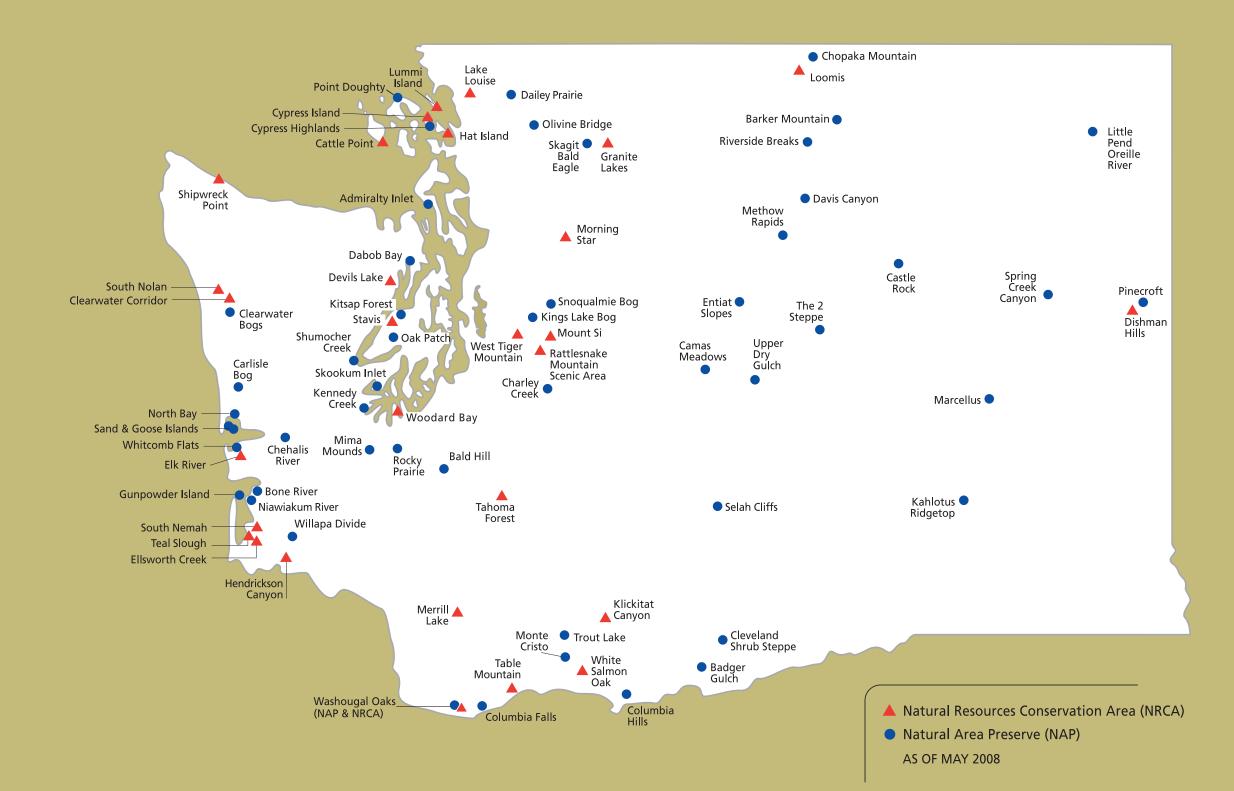
he Kennedy Creek
preserve was established
to protect a high quality
salt marsh ecosystem that is
rare in the Puget Sound area.

The approximately
340-acre site includes the
salt marsh at the confluence
of Kennedy and Schneider
Creeks, adjacent mudflats
and the surrounding
upland forest.



### **Exceptional Places**

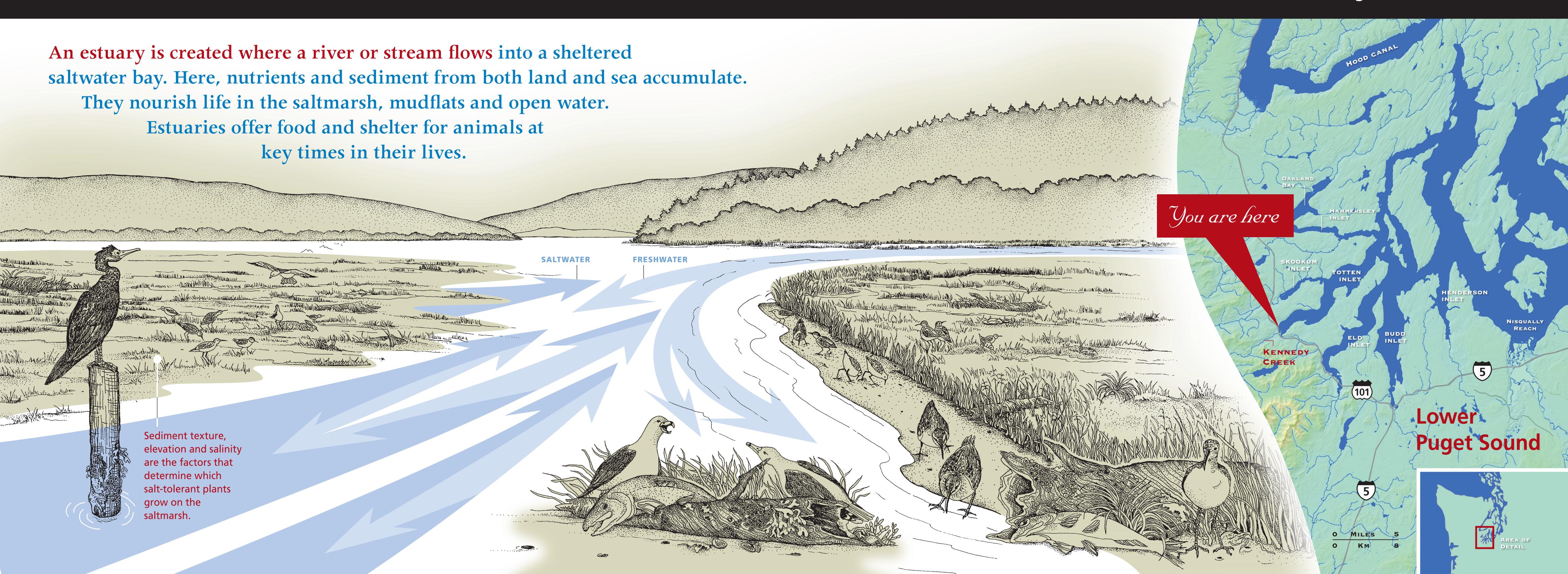
Quality examples of Washington's native grasslands, woodlands, marshes and more are protected in natural areas managed by the Department of Natural Resources (DNR). These special sites offer opportunities for research and education. Some have interpretive or recreation trails. Others have features that are sensitive to human disturbance and require permission from DNR to visit.



For more
information contact the
DNR Natural Areas Program,
South Puget Sound Region at
(360) 825-1631 | TTY 7-1-1
www.dnr.wa.gov



# Life Abounds Where Freshwater Meets Saltwater in the Estuary



**WESTERN** 

**SANDPIPER** 

Pecks at the surface

or probes shallowly

**BLACK-BELLIED** 

**PLOVER** 

Forages by eyesight

with a run/stop/pluck

motion.

in mud.

Macoma

clam

Spionid

worm

#### Kennedy Creek estuary is one of many stopover sites used by shorebirds as they

migrate to northern breeding areas in spring and southern wintering grounds in fall.

These birds are traveling one strand of a broad migration path called the Pacific Flyway. They use the estuary as a place to rest and feed. Some shorebirds spend the winter here, taking advantage of this estuary's especially abundant food.

### Shorebirds share a mudflat buffet

Shorebirds hunt the mudflats for marine worms, crustaceans, small shellfish and other invertebrates. Each shorebird species has a unique bill length and foraging style so they can probe the mud to a different depth. This allows several species to share the same patch of mud without competing for food.

#### **SHORT-BILLED DOWITCHER**

Usually feeds in compact flocks with a deep "sewing machine" probing motion. Often takes only one or two steps between probes.

shrimp





INVERTEBRATES

ARE NOT DRAWN TO SAME SCALE AS BIRDS.







**DUNLIN** 

Probes, picks and jabs

at the mud, often with bill

open. Walks steadily until

food is found.



Thread



**GREATER** 

**YELLOWLEGS** 

Stabs quickly at the

water when food is found.

In deeper water it runs to chase

small fish. Sometimes swishes

its beak from side to side at

the surface of the



### Habitat for a special shorebird



This inlet supports one of the largest flocks of wintering black-bellied plovers in

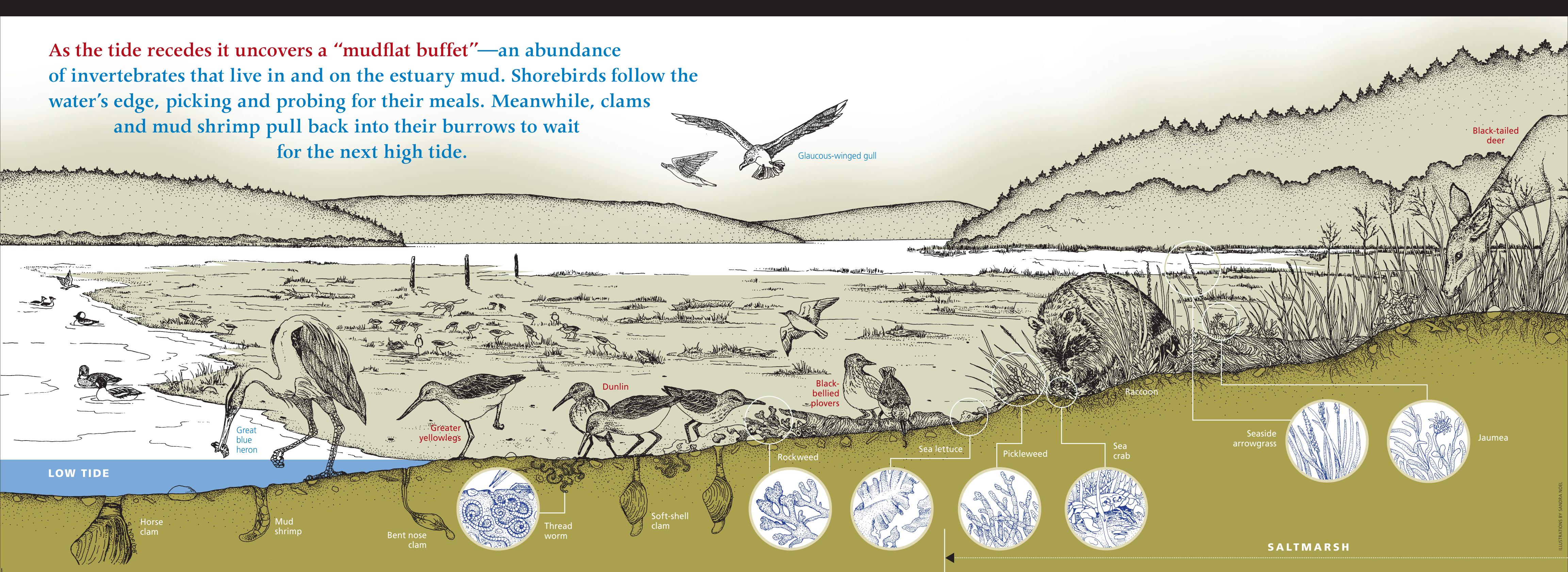
the Puget Sound area. They are drawn here by numerous polychaete worms living in the mud. In turn, the

plovers are food for peregrine falcons.

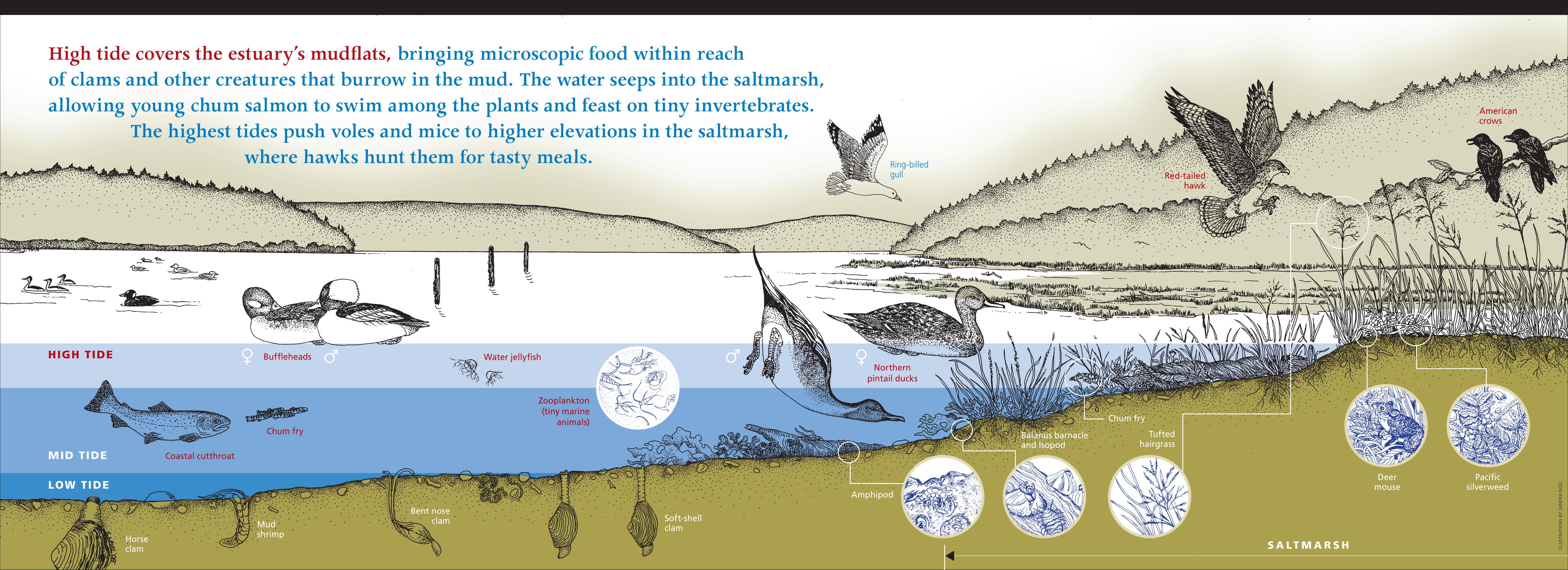
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Diver water training season.

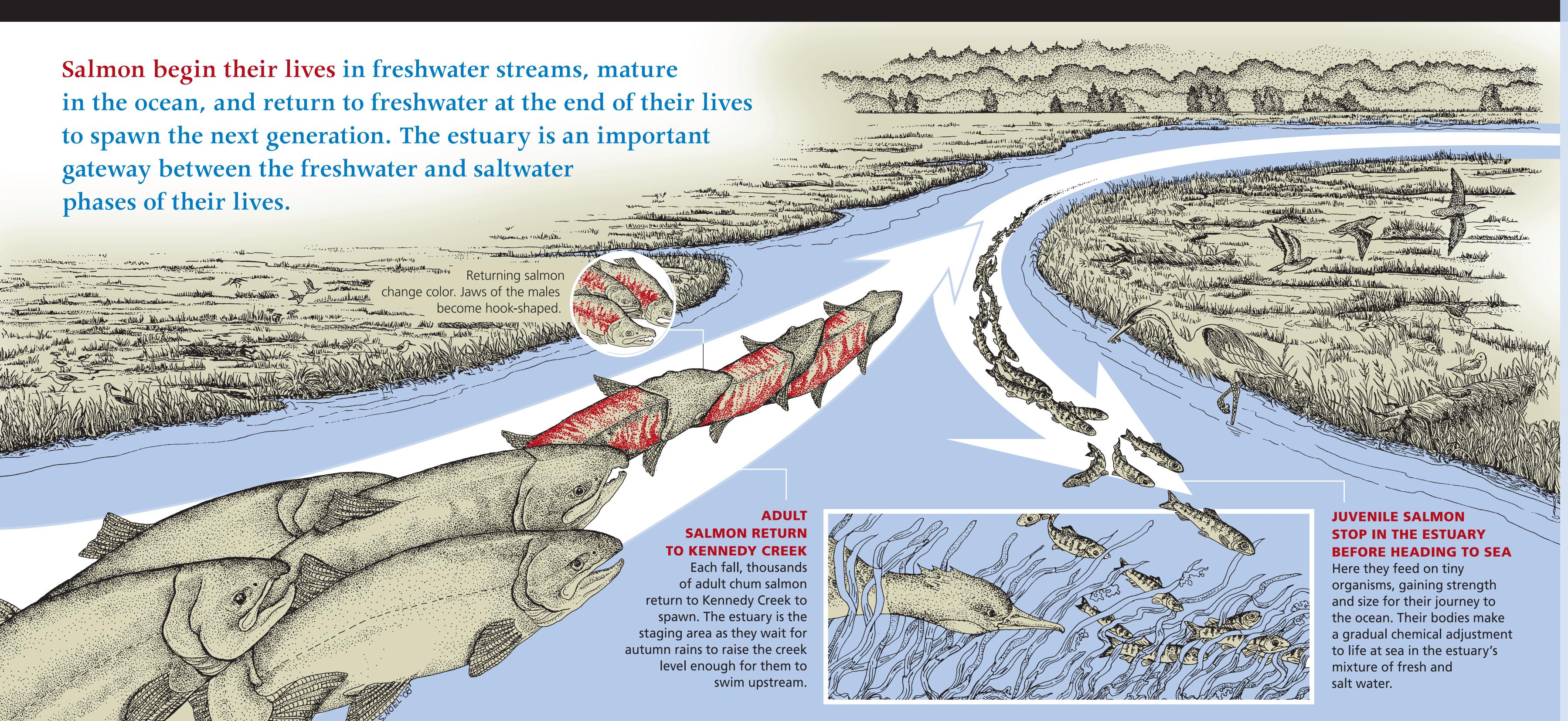
## Some Like It Low...



# Some Like It High...



# The Estuary Is a Gateway for Salmon



### Salmon enrich the web of life

Adult salmon die

after spawning and
their carcasses wash
downstream to the
estuary. Eagles, gulls,

raccoons and other animals feed on their flesh. As the flesh decomposes, it nourishes small organisms in the

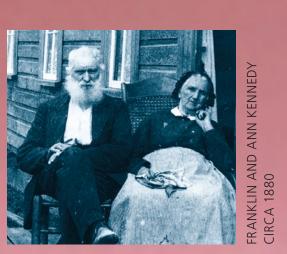
estuary mud. In turn, these organisms are food for shorebirds, juvenile salmon, and other animals.

Diving ducks, herons, cutthroat trout, otters, and many other animals come to the estuary to feed on juvenile salmon.

# People and the Estuary

#### Past

For thousands of years, the ancestors of the Squaxin Island Tribe used traditional methods to fish and collect shellfish in this estuary. Euro-American settlers arrived in the 1850s and began to use the estuary in different ways.



#### **HOMESTEADERS** ARRIVE

Franklin and Ann Kennedy settled in the estuary area in 1855 on 320 acres claimed

> through the **Donation Land** Claim Act.

#### **USING THE ESTUARY TO TRANSPORT LOGS**

In the early days of timber harvest, trains and then trucks brought logs to the water's edge. The logs were dumped into the bay and floated to mills in large "booms."



Beginning in 1907, the Libby-Hay short line railroad was used to haul timber to the Kennedy Creek

estuary.

### Present

Fishing, shellfish harvest and timber harvest continue in the Kennedy Creek watershed. In 1993, the Washington State Department of Natural Resources established the Kennedy Creek Natural Area Preserve in the estuary area. The preserve protects the high quality saltmarsh and tidal areas as habitat for salmon, shorebirds and other wildlife. Research, education

and habitat restoration are the main activities in the preserve area.



Learning more about the Kennedy Creek estuary — and how to care for it — is one important step in the work to protect and restore Puget Sound for future generations of people and wildlife.



#### **VISIT THE SQUAXIN ISLAND MUSEUM**

The Squaxin Island Tribe shares the story of its past and present at the Tribe's Museum near here. To get there, continue north on Old Olympic Highway for approximately 1.5 miles, turn right on Kwuh-Deegs-Altxw.





### **CONSTRUCTION**

1930s Roy

Kimbel's logging

Construction of Highway 101 in 1960 brought a new roadbed and bridge across the

