Eulachon – A Fish Unique to Our West Coast



Eulachon (*Thaleichthys pacificus***)** – also known as candlefish, oolichan, hooligan, salvation fish, or Columbia River smelt - are only found in marine waters, coastal rivers, and estuaries from northern California to Alaska. Because of their high oil content and nutritional value, Eulachon provide important food for many fishes, birds, and marine mammals. They are historically, economically, and culturally significant as a resource for indigenous peoples of the Pacific Northwest, and also support limited and strictly regulated nontribal fisheries. Eulachon populations in California, Washington, and Oregon are listed as threatened under the Endangered Species Act.

Eulachon Distribution

Life Cycle

Eulachon are anadromous - they hatch in freshwater rivers, migrate to live in the ocean for several years, return to freshwater to spawn, and die after spawning. Adults are broadcast spawners; they spread eggs and milt over fine sands but do not construct nests (redds). One female produces an average of 32,000 tiny, 1 mm (<1/10th of an inch) eggs. Eulachon eggs stick to sand grains, and depending on river temperatures, hatch in 20-40 days. The 4-7mm (~ 1/4 inch) hatchlings (larvae) are flushed downstream by river flow. Fish live on their yolk sac reserves for about 5 days. With luck, after 5 days they reach the estuary and can begin feeding on small diatoms (microscopic plants) before they enter the ocean. Depending on ocean conditions, Eulachon spend 2-7 years out in the saltwater before returning to spawn. Returning adults are typically 172-185 mm (~ 7 inches) long.



Distribution

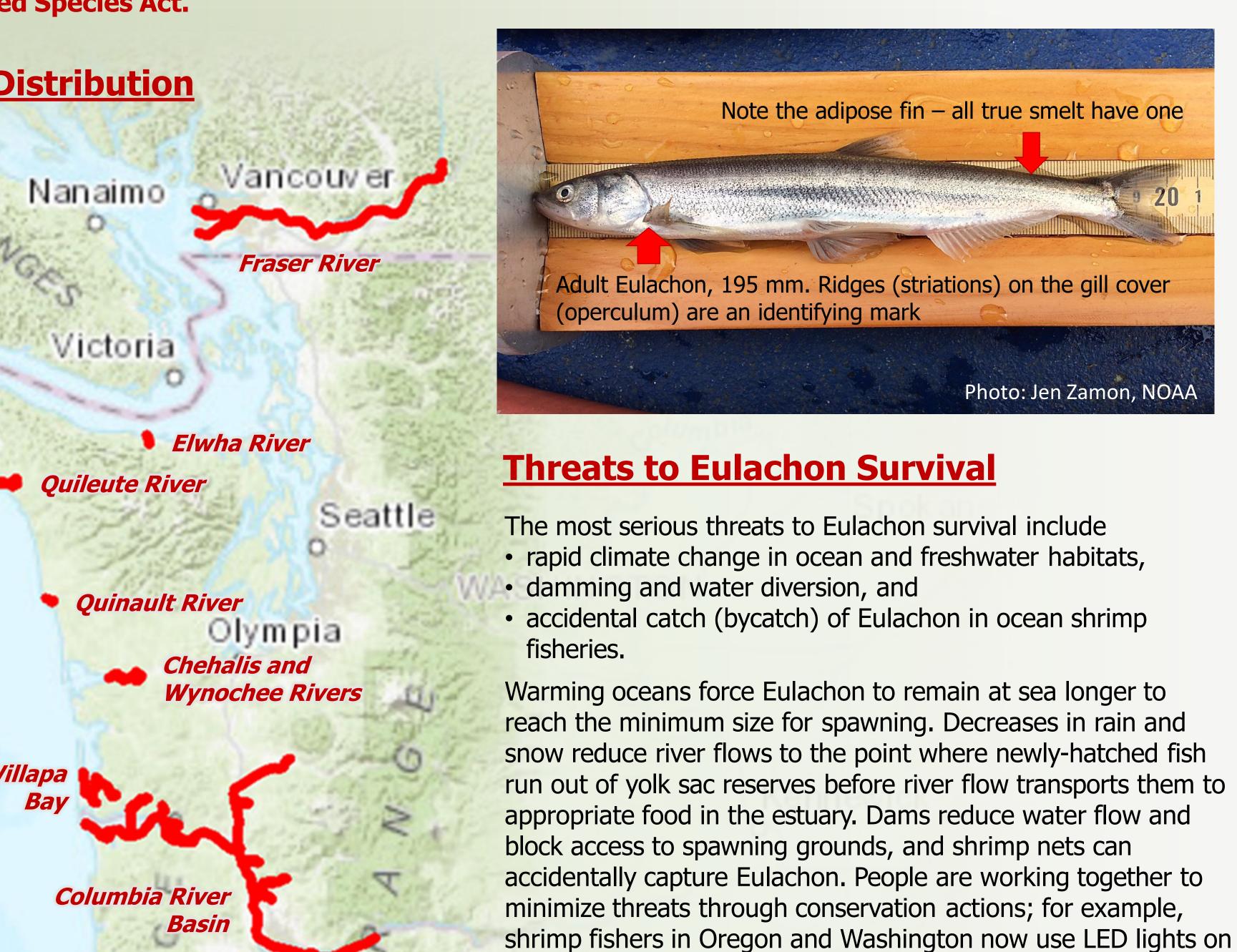
Eulachon are found only in the northeast Pacific Ocean, ranging from northern California to southwest and south-central Alaska and into the southeastern Bering Sea. The southern Distinct Population Segment (DPS) of Eulachon is comprised of fish that spawn in glacial, snow, or rain-fed rivers from the Skeena River in northern British Columbia to, and including, the Mad River in northern California. Eulachon in more northern areas tend to spawn in glacially-fed rivers and are considered to be stable.

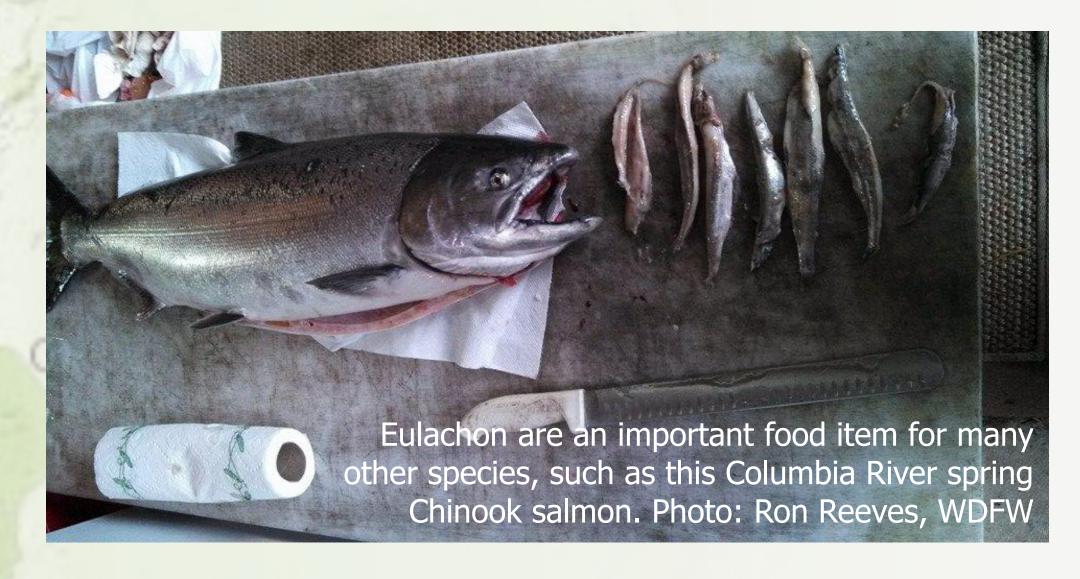
Contributors:

Michelle Gilroy, California Department of Fish and Wildlife (CDFW) Claire Ingel, CDFW

Laura Lloyd, Washington Department of Fish and Wildlife (WDFW) Dr. Jeanette Zamon, NOAA Fisheries

Basemap Source: Esri Map: CDFW/WDFW





their nets that reduce accidental catches by 80-90%!

What You Can Do to Get Involved with **Eulachon**

- Learn more about our unique and amazing Eulachon here:
 - www.calfish.org/FisheriesManagement/SpeciesPages/Eulac hon
 - www.fisheries.noaa.gov/species/Eulachon
 - VIDEO:
 - www.opb.org/television/programs/ofg/segment/eulachonsmelt
- Check your local regulations regarding recreational fishing:
 - wildlife.ca.gov/fishing (California)
 - myodfw.com/fishing (Oregon)
 - wdfw.wa.gov/fishing (Washington)
- Tell your legislators and fisheries managers you support Eulachon recovery









Klamath River

80 Miles

Redwood

Creek