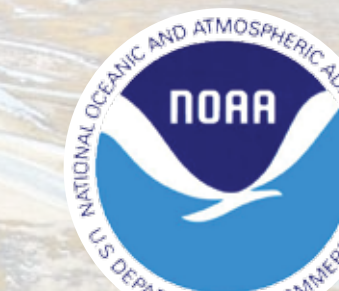


# ShoreZone Mapping in Alaska, British Columbia and Washington

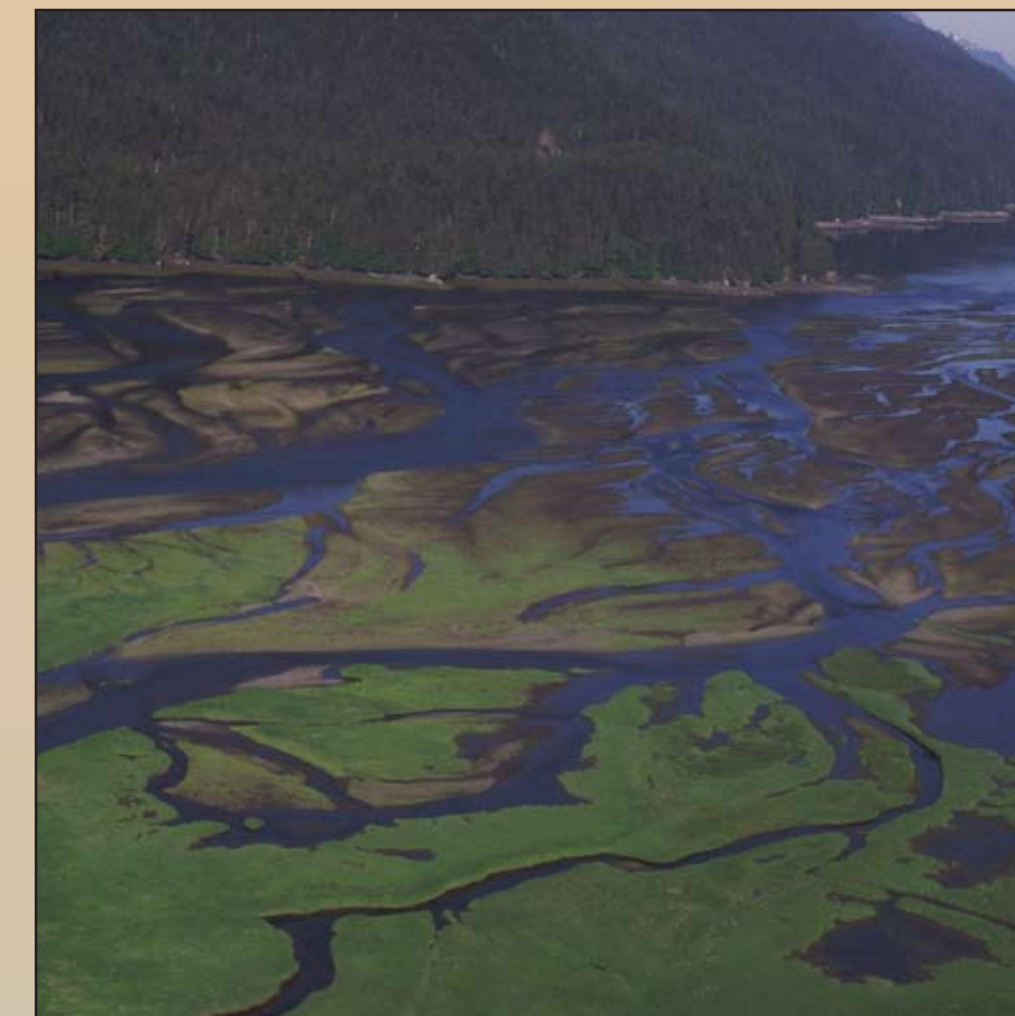
Cindy A. E. Hartmann Moore<sup>1</sup>, John R. Harper<sup>2</sup>, Mary C. Morris<sup>3</sup>, Mandy R. Lindeberg<sup>4</sup>,  
 Laura J. Baker<sup>5</sup> and Susan M. Saupe<sup>6</sup>



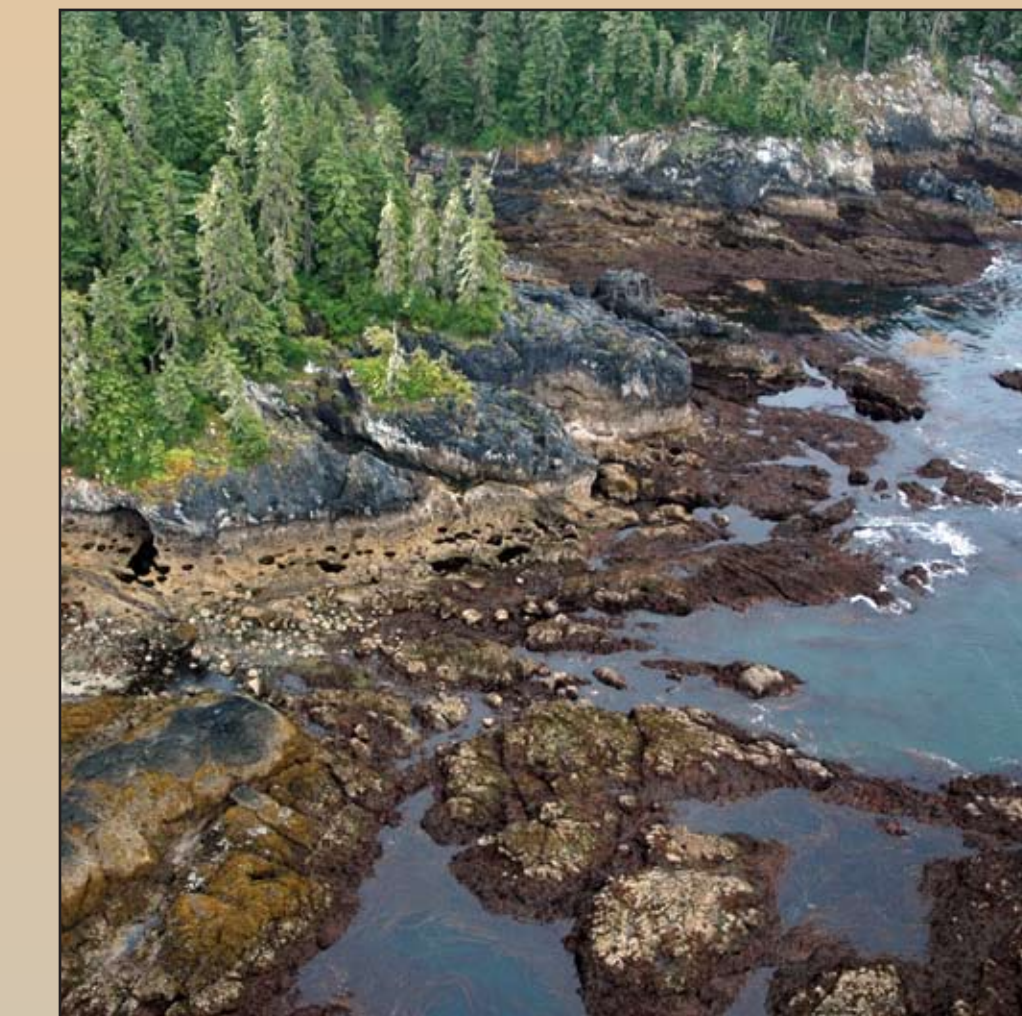
Amalik Bay, Katmai National Park



Little Tutka Bay, Kachemak Bay, Cook Inlet



Carroll Island, south Admiralty Island, Southeast Alaska



ShoreZone is a coastal habitat mapping and classification system in which spatially referenced aerial imagery is collected specifically for the interpretation and integration of geological and biological features of the intertidal zone and nearshore environment.

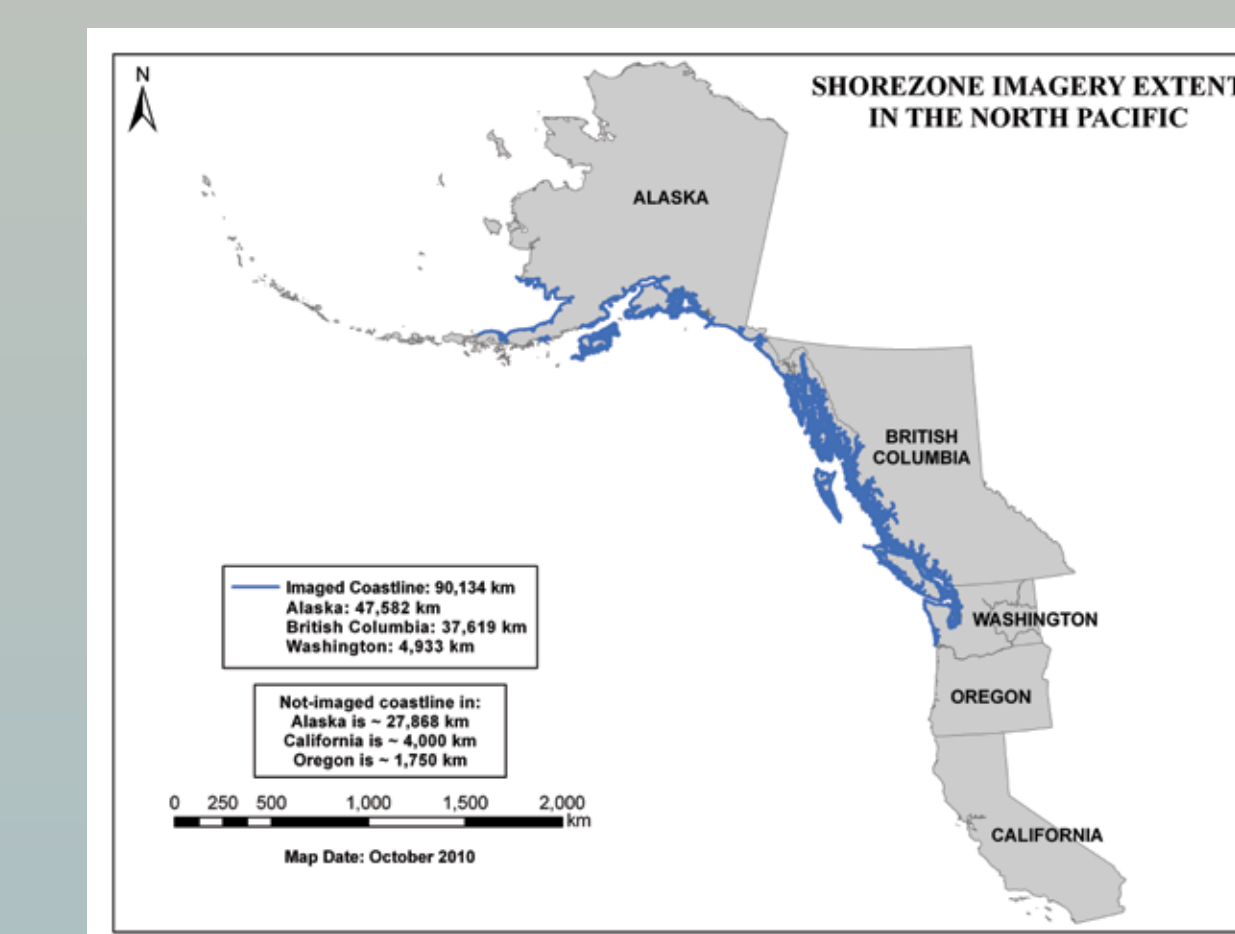
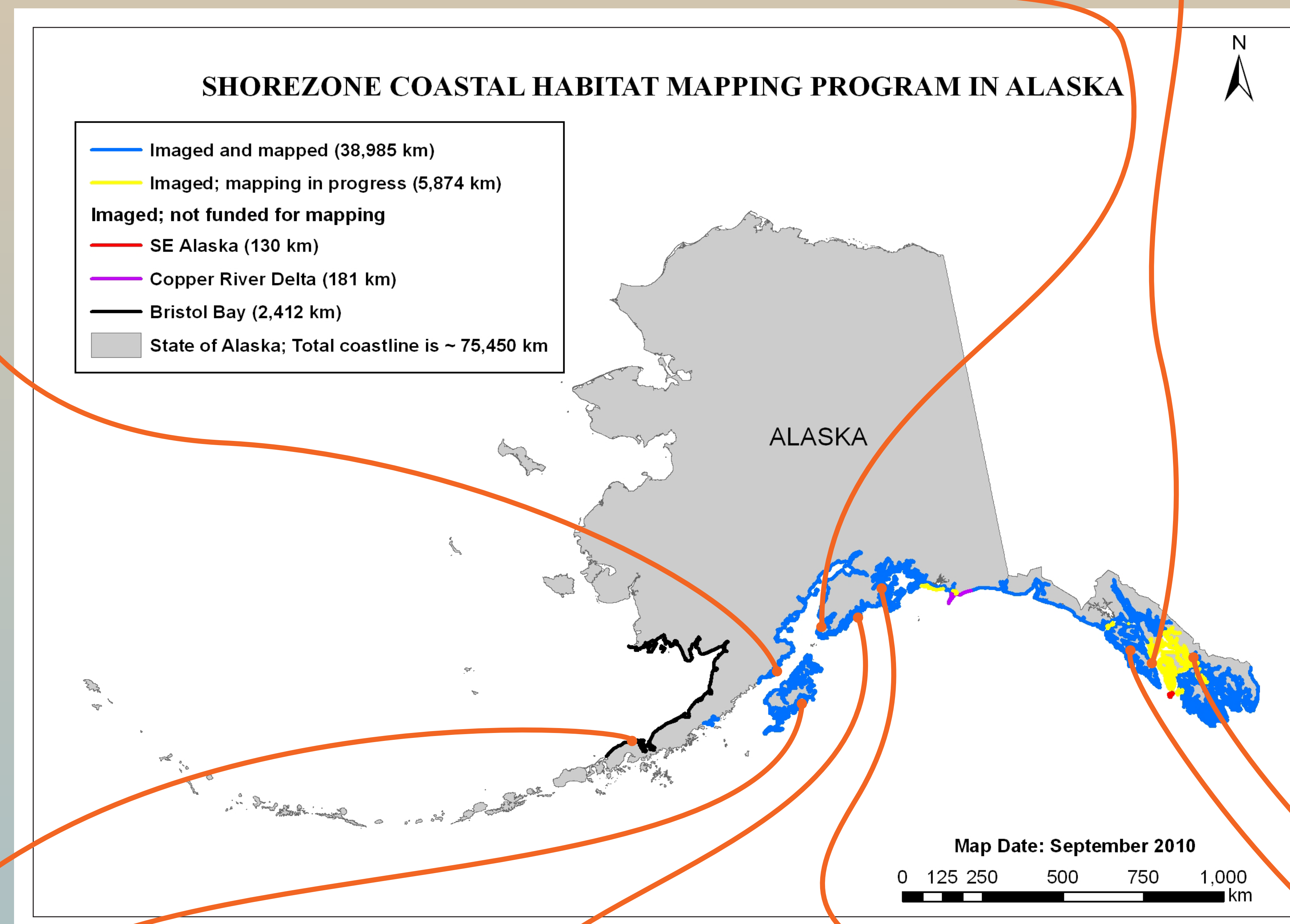
Approximately 92,500 km of ShoreZone imagery exists for the northeast Pacific coastline, including the entire shoreline of Washington (~5,000 km), British Columbia (B.C.) (~40,000 km), and ~47,600 km of the Alaskan coast. The project is on-going with ~28,000 km of the Alaskan coastline left to be imaged. The Alaska imagery can be viewed online at [www.fakr.noaa.gov/habitat/shorezone/szintro.htm](http://www.fakr.noaa.gov/habitat/shorezone/szintro.htm) or [www.fakr.noaa.gov/maps](http://www.fakr.noaa.gov/maps).

ShoreZone imagery provides a useful baseline and visual reference, while mapped resources (such as shoreline sediments, eelgrass and salt marsh distributions) are an important tool for scientists and managers.

ShoreZone data has many uses, including: oil spill contingency planning, conservation planning, habitat research, development evaluation, mariculture site review, recreation opportunities, archaeological inventory, and other uses.

The Alaska ShoreZone program is a partnership of scientists, GIS specialists, web specialists, non-profit organizations, and governmental agencies. Organizations working in partnership for the Alaska ShoreZone effort to date include: Alaska Departments of Environmental Conservation, Fish and Game, and Natural Resources; Archipelago Marine Research Ltd.; Coastal and Ocean Resources Inc.; Cook Inlet Regional Citizens Advisory Council; Exxon Valdez Oil Spill Trustee Council; NOAA's National Marine Fisheries Service; National Park Service; Prince William Sound Regional Citizens Advisory Council; Royal Caribbean Cruise Lines, The Ocean Fund; The Nature Conservancy, U.S. Fish and Wildlife Service; USDA Forest Service; and others.

This partnership offers the opportunity to build a contiguous integrated coastal resource database that extends from the mouth of the Columbia River, through B.C., the Gulf of Alaska, Bristol Bay, and northwards to the Arctic coast (on the order of 120,000 km). With additional data collection and partners, the ShoreZone program could be expanded from the Columbia River to southern California and beyond.



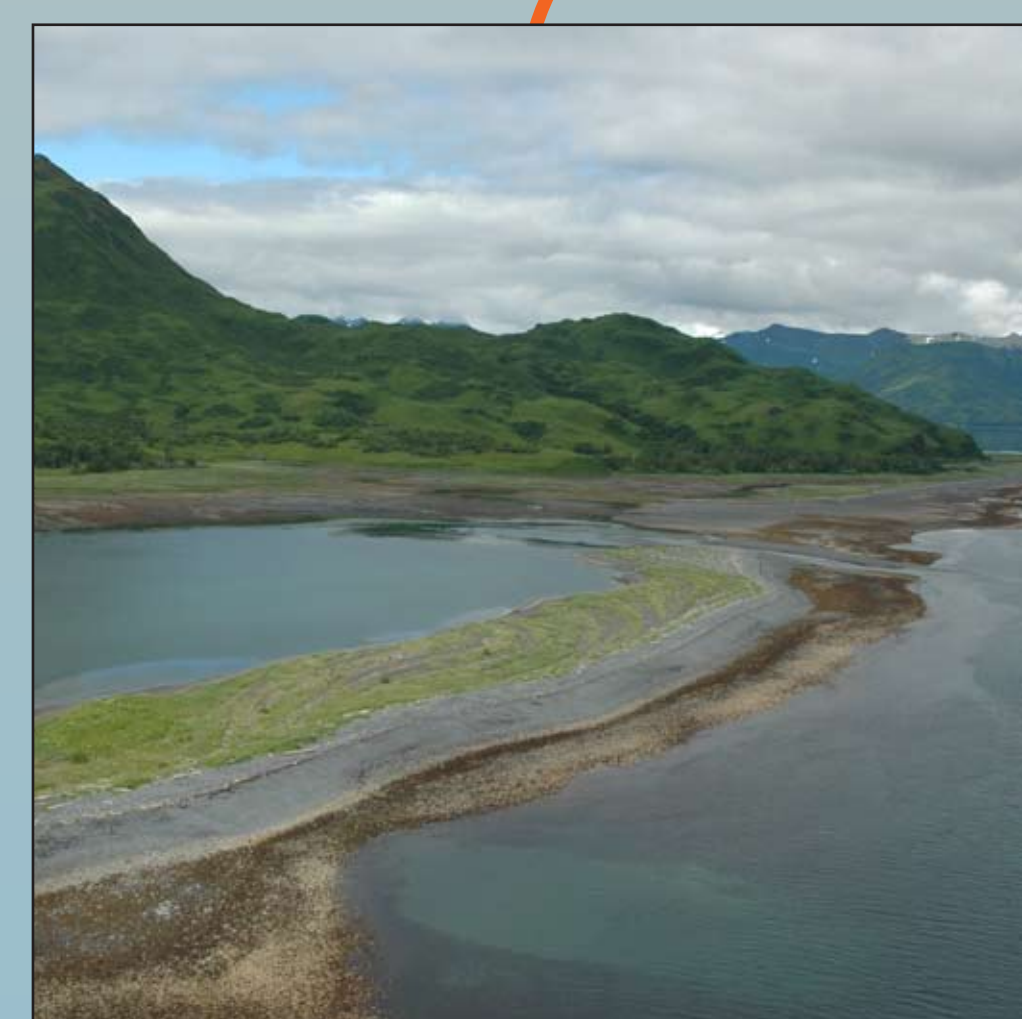
**Alaska** coastline remaining to be imaged is ~27,868 km

**Oregon** coastline to be imaged is ~1,750 km

**California** coastline to be imaged is ~4,000 km



Nelson Lagoon south of Port Moller, Bristol Bay



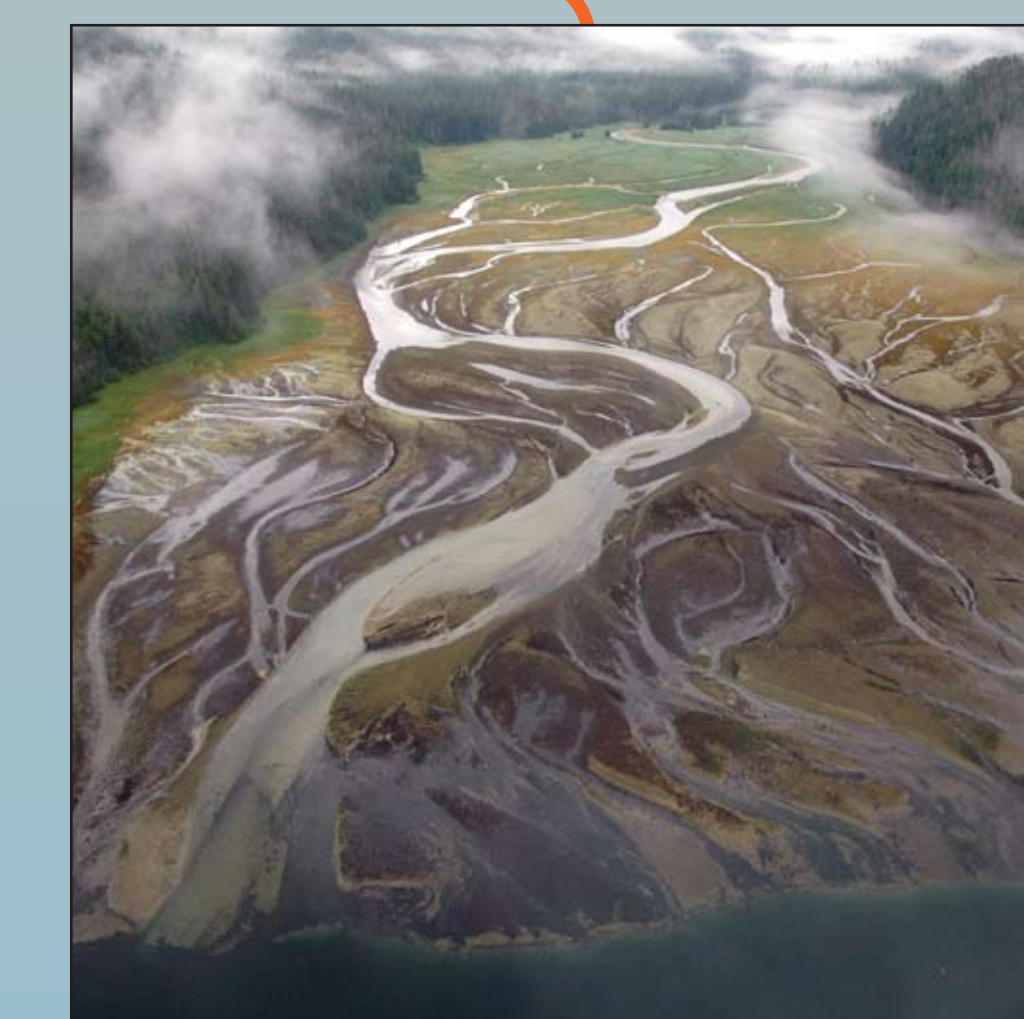
Kiliuda Bay, Kodiak Island



Entrance to Aialik Bay, near Kenai Fjords National Park



Willard Island, Blackstone Bay, Prince William Sound



Deep Bay, Peril Strait, Baranof Island, Southeast Alaska



LeConte Bay, Frederick Sound, Southeast Alaska

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