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.

108,000 km of ShoreZone imagery exists for the northeast Pacific coastline, including the entire shoreline of Oregon (1,750 km), Washington (4,933 km), British Columbia (37,619 km), and 63,788 km (80%) of the Alaskan coast. The project is on-going with ~15,000 km of the Alaskan coastline left to be imaged. The Alaska imagery can be viewed online at shorezone.org or at http://alaska fisheries.noaa.gov/shorezone/.

ShoreZone imagery provides a useful baseline and visual reference, while the mapped resources are an important tool for scientists and managers providing a geo-referenced spatial framework for coastal habitat assessment on local and regional scales.

ShoreZone data has many uses, including: oil spill response; planning; fisheries management and research; mariculture site review; recreation; archaeological inventory; marine debris clean up; search and rescue; and others.

The Alaska ShoreZone program is a partnership of federal and state agencies; regional governments; and non-governmental organizations. Groups 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; National Oceanic and Atmospheric Administration; Oil spill Recovery Institute; Prince William Sound Regional Citizens Advisory Council; The Nature Conservancy; Nuka Research; U.S. Department of Interior’s Aleutian and Bering Sea Islands Landscape Conservation Cooperative (LCC), Arctic LCC, Bureau of Ocean Energy Management, Bureau of Safety and Environmental Enforcement; Fish and Wildlife Service, Geological Survey, National Park Service and Western Alaska LCC; USDA Forest Service; and others.

The Alaska Peninsula and western Alaska are focus areas for ShoreZone work in 2014. Partners are being sought to help fund the mapping of ShoreZone imagery working towards the goal of a continuous coastline dataset for all of Alaska.

The ShoreZone partnership offers the opportunity to build a contiguous integrated coastal resource database for the Pacific Northwest and beyond.

ShoreZone one Mapping in Alaska and the Pacific Northwest

Cindy A. E. Hartmann Moore¹, Steve G. Lewis², Mary C. Morris³, John R. Harper⁴, Mandy R. Lindeberg⁵, Susan M. Saupe⁶ and Darren N. Stewart⁷

¹NOAA National Marine Fisheries Service
Alaska Region, Habitat Conservation Division
P.O. Box 21668, Juneau, AK 99802
T: 907-586-7585, F: 907-586-7358, E: mandy.lindeberg@noaa.gov

²NOAA National Marine Fisheries Service
Alaska Region, Analytical Team
P.O. Box 21668, Juneau, AK 99802
T: 907-586-7416, E: steve.lewis@noaa.gov

³Archipelago Marine Research Ltd.
525 Head Street, Victoria, BC, Canada V8Z 5S1
T: 250-383-4535, F: 250-383-0103, E: cindy.har tmann@noaa.gov

⁴Coastal and Ocean Resources Inc.
714 A Vanalman Road, Victoria, BC, Canada V8Z 3R8
T: 250-655-4035, F: 250-655-1290, E: john@coastalandoceans.com

⁵Arctic LCC, Bureau of Ocean Energy Management
900 Independence Ave., SW, Washington, DC 20503
T: 202-208-9000, F: 202-208-9010, E: info@arcticlcc.org

⁶Cook Inlet Regional Citizens Advisory Council
1130 West 6th Avenue, Suite 110, Anchorage, AK 99501
T: 907-276-7222, F: 907-283-6102, E: saupe@circac.org

⁷The Nature Conservancy
715 L street, Suite 100, Anchorage, AK 99501
T: 907-865-5711; E: dstewart@tnc.org

¹ NOAA National Marine Fisheries Service
Alaska Region, Habitat Conservation Division
P.O. Box 21668, Juneau, AK 99802
T: 907-586-7585, F: 907-586-7358, E: cindy.har tmann@noaa.gov

² NOAA National Marine Fisheries Service
Alaska Region, Analytical Team
P.O. Box 21668, Juneau, AK 99802
T: 907-586-7416, E: steve.lewis@noaa.gov

³ Archipelago Marine Research Ltd.
525 Head Street, Victoria, BC, Canada V8Z 5S1
T: 250-383-4535, F: 250-383-0103, E: cindy.har tmann@noaa.gov

⁴ Coastal and Ocean Resources Inc.
714 A Vanalman Road, Victoria, BC, Canada V8Z 3R8
T: 250-655-4035, F: 250-655-1290, E: john@coastalandoceans.com

⁵ NOAA National Marine Fisheries Service
Alaska Fisheries Science Centre Ted Stevens Marine Research Institute
17390 Port Loui Pkwy Road, Juneau, AK 99801
T: 907-789-6616, F: 907-789-6006, E: nelson.lag on@noaa.gov

⁶ Archipelago Marine Research Ltd.
525 Head Street, Victoria, BC, Canada V8Z 5S1
T: 250-383-4535, F: 250-383-0103, E: mar ym@ar chipelago.ca

⁷ Coastal and Ocean Resources Inc.
759 A Vanalman Road, Victoria, BC, Canada V8Z 3B8
T: 250-655-4035, F: 250-655-1290, E: john@coastalandoceans.com

⁸ The Nature Conservancy
715 L street, Suite 100, Anchorage, AK 99501
T: 907-865-5711; E: dstewart@tnc.org

This poster was produced January 2014