

Waste Erosion Assessment and Review (WEAR)

Solid Waste and Contaminated Sites Programs
Alaska Department of Environmental Conservation





Coastal and River Erosion

Waste Erosion Assessment and Review

- Four Years (2012-2015)
- \$1.4 million



The Project Will:

- Inventory and prioritize sites
- Generate action plans



Inventory, Ranking and Action Plans

- Help state and federal agencies
- Rural communities seeking funding



What is a Site?

Any eroding:

- Landfill
- Contaminated Site
- Unauthorized Dump Site



Site Examples

- Fuel storage areas
- Dumping areas – equipment, vehicles, other
- Historical military or mining near a community



Possible Hazardous Substances

- PCBs
- Chlorinated solvents
- Heavy metals
- Pesticides
- Petroleum products



Sites Prioritized By Their Risk

- Human Health
- Environment
- Contaminants (if known)



What's the Project Area ?

- Alaska's northern and western coasts
- Eastern Aleutians
- River communities up to 300 miles upriver from the coast



Community Input

- Eroding sites
- Unidentified dump sites
- Landfill operations



Identify Erosion Problems

- Will not fix the problem
- Will help agencies direct funding
- Will support communities seeking funding





Coastal Impact Assistance Program

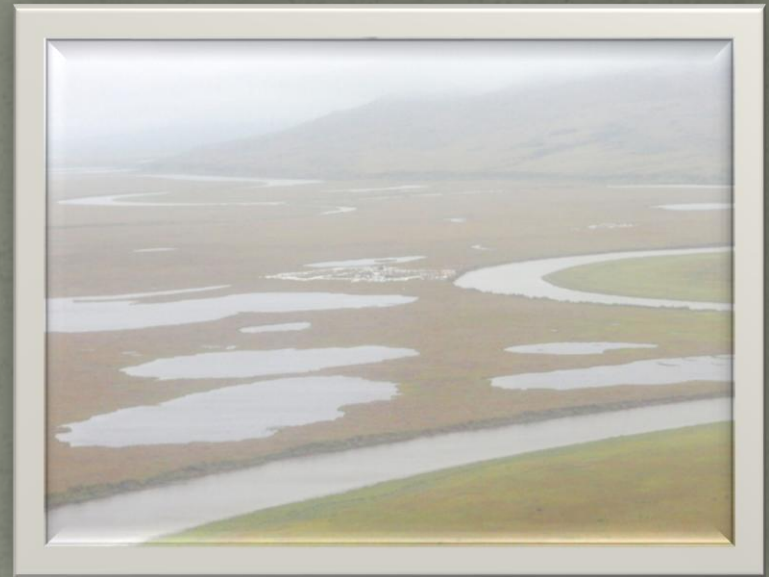
CIAP Background

- Established 2005 by Energy Policy Act
- Funded in 2011
- Distributed \$960 million to six outer continental shelf states
- To mitigate impacts of oil and gas activities



Alaska's CIAP - \$79 million

- 35% to eight eligible coastal political subdivisions
 - North Slope
 - Northwest Arctic
 - Kenai Peninsula
 - Kodiak
 - Lake and Peninsula
 - Bristol Bay
 - Mat-Su
 - Municipality of Anchorage
- 65% to State of Alaska – includes funding for this project





Scope of Work

First Step – Narrow the Scope

- Alaska has 44,000 miles of coastline
- Eliminated cleanup areas that already have responsible parties



List of 150 Communities

Evaluating communities based on:

- Aerial imagery
- Historical records
- Existing studies



Existing Studies

- U.S. Army Corps of Engineers –
2009 Baseline Erosion Assessment
- Indian Health Services –
1998 and 2011 Open Dumps Reports



Narrow List of Communities

DEC site visits from 2012 to 2014 to:

- Collect more data
- Gather information from the community
- Do a detailed evaluation of the design and operations of the landfill



Final Report in 2015

Site-specific recommendations could include ideas for:

- Improving management or design of landfill
- Erosion control measures
- Cleaning up a contaminated site
- Relocating a landfill



Any Questions....?

For more information:

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dec.alaska.gov/eh/sw/wear.html

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