Arctic ERMA®
Environmental Response Management Application

World Wildlife Fund - Russia ERMA Seminar
April 16-19, 2018
Continuum of “Response” Framework for The Office of Response & Restoration

Response (24 hours)  Assessment  Restoration

Response

Recovery or Restoration (Years/Decades)
Data Management Needs

• Information & Data:
  – Should be easily accessible
  – Best quality as possible
  – Be preserved
  – Shared!
    • Data plays a role in everyone’s job to make informed decisions.
    • Data management should be a coordinated effort.
  – Data management applications/forms need to be flexible.
What is ERMA?

- Common Operating Picture (COP)
- Web-based mapping tool
- Centralized access to information
- Increases communication, coordination, and efficiency
- Prepare for, respond to, assess impacts from incidents or conditions
- Analyze and visualize environmental information relevant to all hazards
Environmental Response Management Application (ERMA)
Where is ERMA?
ERMA is used to...

- Visualize extent of sensitive habitats and resources
- Assess natural resource damage and plan for restoration
- Manage data in a Common Operational Picture for a disaster response
Application Areas

• Regional Response Planning
• Information Management Plans and Data Sharing
• Federal oversight of Incident data
• On-scene GIS and Data Management
• Data delivery, data sharing (ESI, GRP, SCAT, etc.)
• Hazardous waste site remediation (CERCLA)
• Natural Resource Damage Assessment (NRDA) case support
• Restoration planning and implementation
Response Phase

- Connects responders, regardless of location
- Provides situational awareness for spill managers
  - Oil trajectories & observations
  - Tracking clean-up assets
  - Status of protection strategies for resources at risk
- Command briefings
- Section 7 consultation on dispersant use
  - Identifying areas where use may be prohibited.