

JOB AID: SHORELINE CLEANUP AND ASSESSMENT TECHNIQUES (SCAT)

A JOB AID FOR OIL DISCHARGE AND HAZARDOUS SUBSTANCE RELEASE RESPONSES IN ALASKA

August 2019

Please note that this is a draft document. Additional formatting and content review and revision is planned, but not yet scheduled.

Content within this Job Aid captures information from Annex N of the superseded Alaska Federal/State Preparedness Plan for Response to Oil & Hazardous Substance Discharges/Releases (Unified Plan); Change 3 January 2010/ Administrative Update March 2018

SHORELINE CLEANUP & ASSESSMENT GUIDELINES

Shoreline cleanup strategies are diverse and will depend on a number of factors including shoreline type, spilled oil properties, extent of contamination, prevailing weather conditions, tidal fluctuations, sea conditions, accessibility by shoreline cleanup crews and equipment, etc. The Unified Command will determine the best available options for cleaning impacted shorelines based upon these factors.

There are several worthwhile documents that can be used as reference documents for shoreline assessment and cleanup. These include the following:

- *“The Arctic SCAT Manual, A Field Guide to the Documentation of Oiled Shorelines in Arctic Regions,” Environmental Canada (July 2004)*
- *“Alaska Clean Seas Technical Manual Volume 1; Tactical Descriptions,” Alaska Clean Seas (2016)*
- *“Alaska Shoreline Countermeasures Manual,” NOAA (April 1994)*
- *“Circumpolar Field Guide for Oil Spill Response in Arctic Waters,” Environment Canada (1998)*
- *“Guide to Oil Spill Response in Snow and Ice Conditions in the Arctic,” EPPR (2015)*
- *“Tundra Treatment Guidelines, A Manual for Treating Oil and Hazardous Substance Spills to Tundra 3rd Edition,” ADEC (2010).*
- *“Shoreline Assessment Job Aid,” NOAA, (2007)*
- *“Characteristic Coastal Habitats - Choosing Spill Response Alternatives,” NOAA, (2017)*
- *“Shoreline Assessment Manual,” 4th edition, NOAA (August, 2013)*
- *Arctic Shoreline Clean-up Assessment Technique (SCAT) Manual, EPPR, 2004*

Additionally, this website provides information on useful spill response data as noted below.
<http://www.asgdc.state.ak.us/maps/cplans/subareas.html>

- Environmental Sensitivity Index (ESI) Maps (which identify shoreline types). ESI Maps (for coastal areas of the State) have been developed for the following subareas:
 - Aleutians
 - Bristol Bay
 - Cook Inlet
 - Kodiak

North Slope
Northwest Arctic
Pribilof Islands
Prince William Sound
Southeast Alaska
Western Alaska

- Land Management Maps
- Geographic Response Strategies
- Most Environmentally Sensitive Area (MESA) Maps
- Biologically Sensitive Area Maps
- Aquatic Farms
- Regional Maps (USGS Quadrangles, NOAA Nautical Maps)
- Alaska Oceanographic Circulation Diagrams and Graphics