

Herder Burner - Testing Aerial Application of Herders to Promote In Situ Burning of Spilled Oil in Arctic Waters



Bill Schnabel
Interim Director
Institute of Northern Engineering



**ARCTIC
RESPONSE
TECHNOLOGY**
OIL SPILL PREPAREDNESS



Arctic Marine Environment Changes & Oil Spill Risks



Bering Strait transits

2008 → 2012

220 → 480+

In US waters= 30 billion bbl,
1700 trillion cubic ft gas

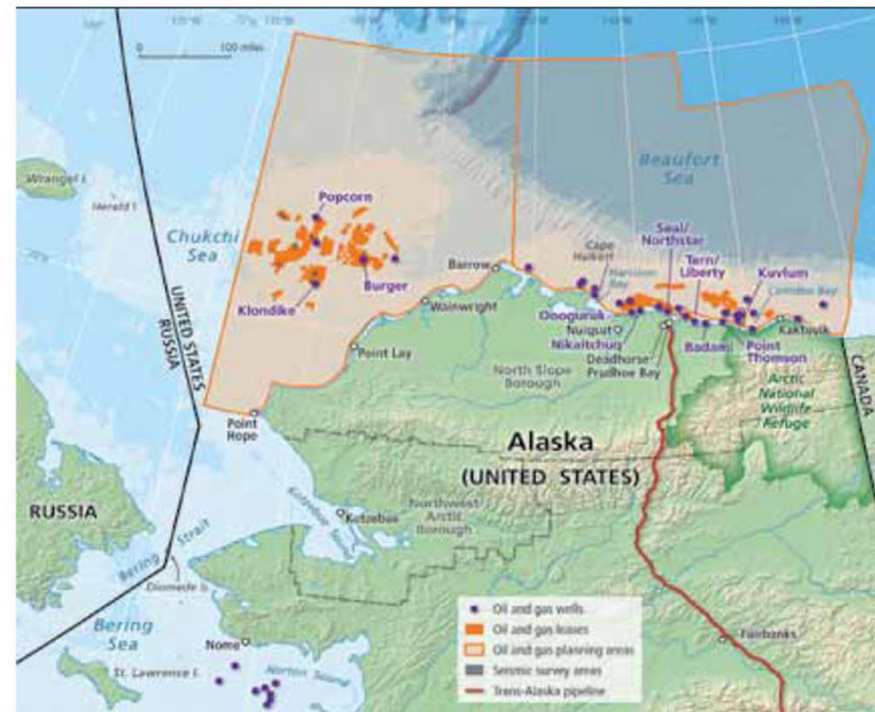


Figure 2. Oil and gas planning areas in the Chukchi and Beaufort Seas. Oil and gas lease areas are shown in orange, with seismic survey areas shown in grey. Selected oil and gas wells, some in Alaskan state waters and some in federal waters, are shown as purple dots.

NAS NRC April 2014

Poker Flat Test Basin



Bottom photos courtesy of L. Zabilansky

Herder Burner Footage

