



U.S. Department of the Interior
Bureau of Land Management

Coastal Plain Oil and Gas Leasing Program

Environmental Impact Statement

FINAL

Figures

September 2019

Prepared by:

US Department of the Interior
Bureau of Land Management

In cooperation with:

US Fish and Wildlife Service
US Environmental Protection Agency
Native Village of Kaktovik
Native Village of Venetie Tribal Government
Venetie Village Council
Arctic Village Council
North Slope Borough
State of Alaska

Estimated Lead Agency Total
Costs Associated with Developing
and Producing this EIS: \$3,970,000

Mission

To sustain the health, diversity, and productivity of the public lands for the use and enjoyment of present and future generations.

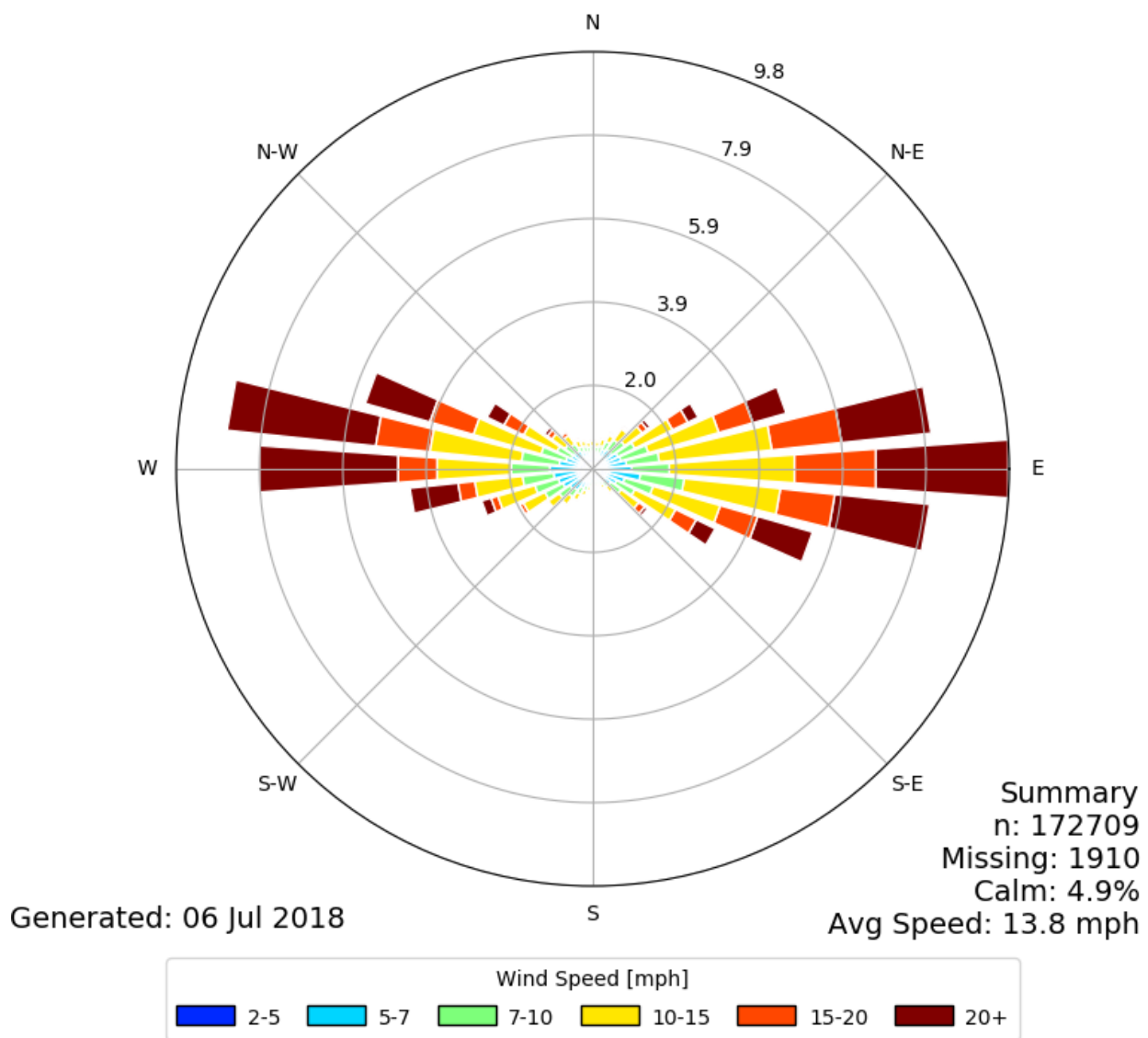
Cover Photo: Northward view in central coastal plain area near the Sadlerochit River showing gently rolling topography typical of the area. Natural oil indications are visible of an oil seep that occurs along the coast (Barter Island). Photo by David Houseknecht (USGS).

DOI-BLM-AK-0000-2018-0002-EIS

BLM/AK/PL-19/014+1610+F020

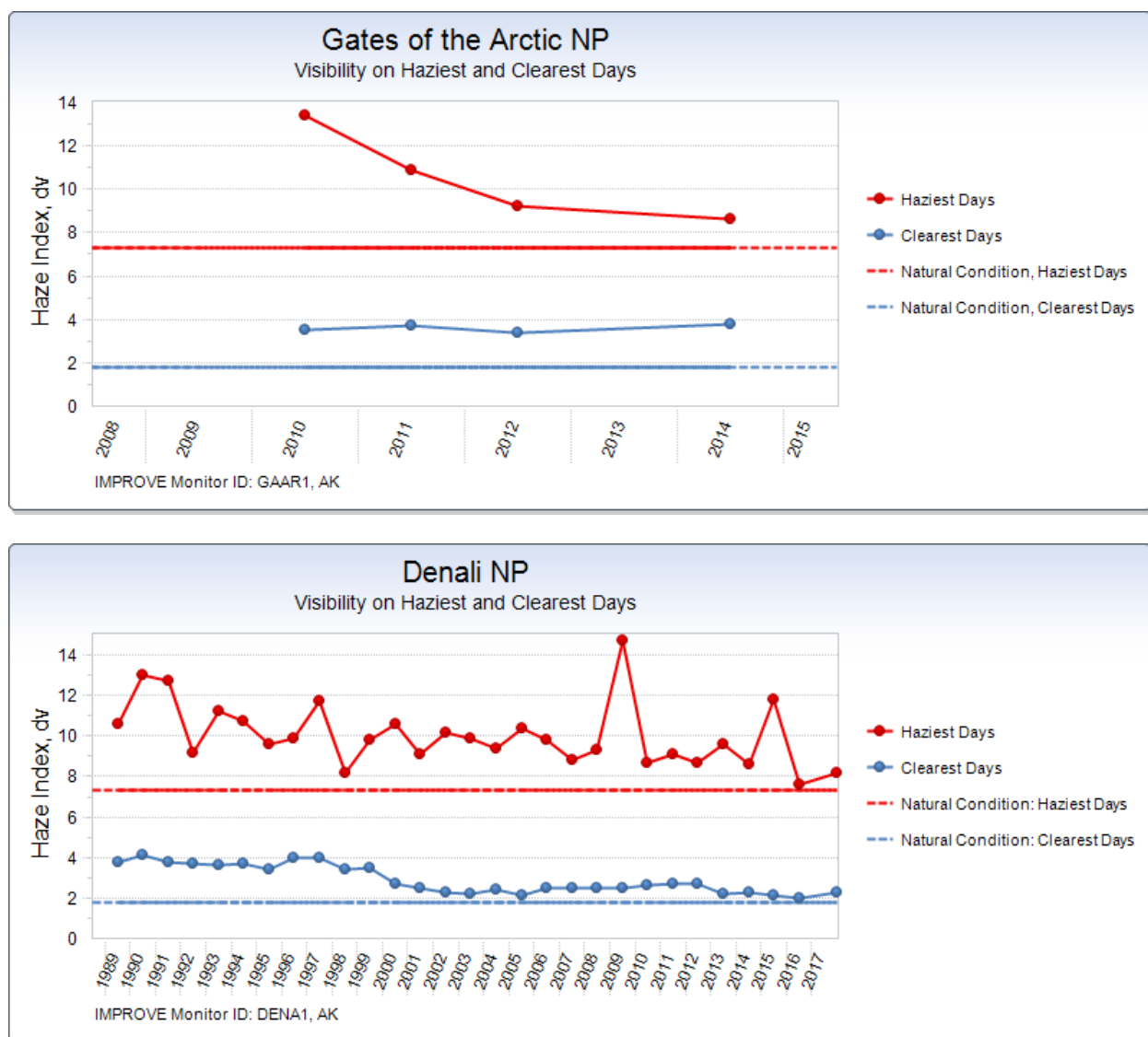


[PABA] BARTER ISLAND(AWOS)
Windrose Plot [All Year]
Period of Record: 01 Jan 2008 - 31 Dec 2017



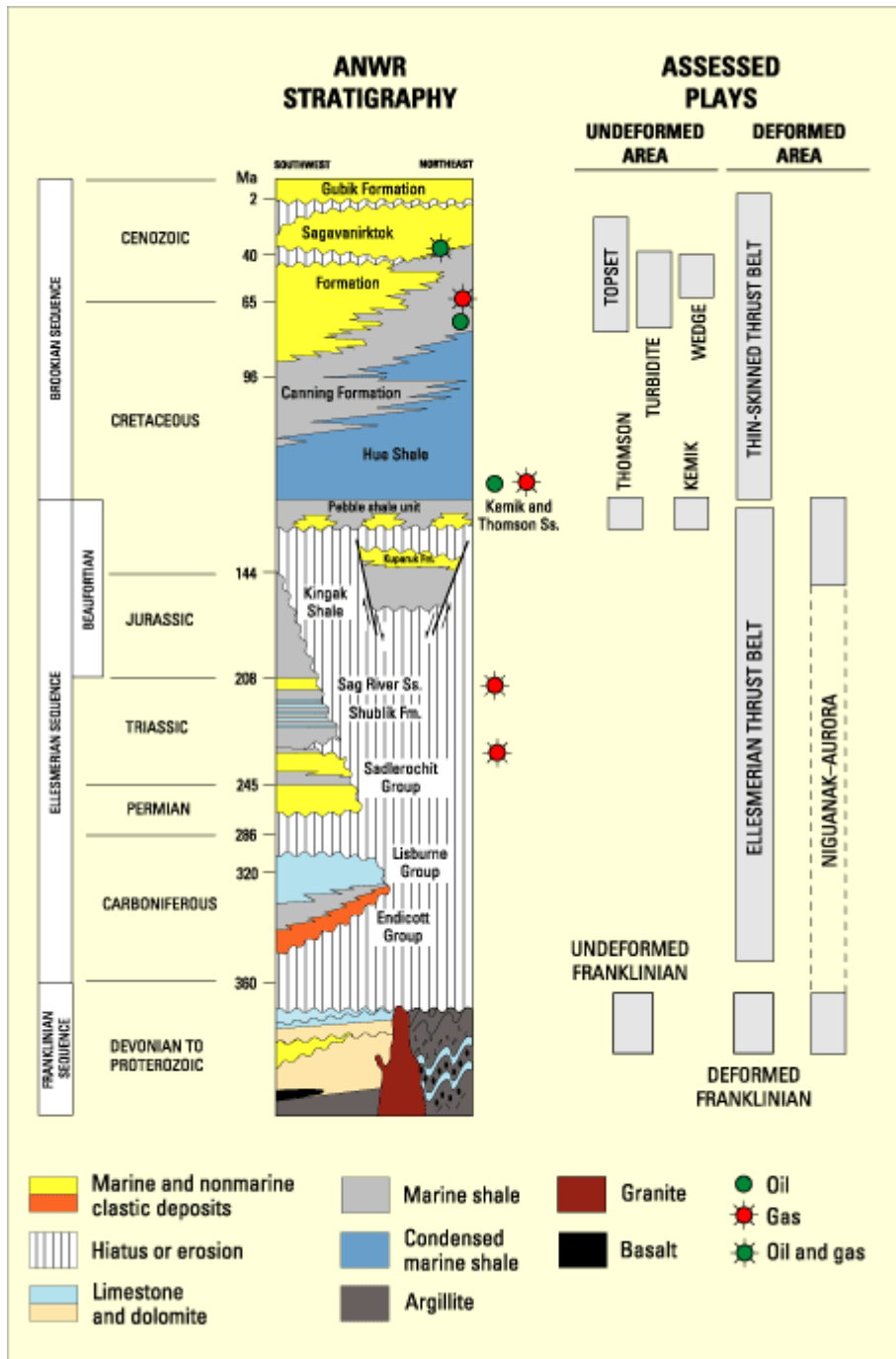
Source: Iowa State University (copyright: used with permission), Iowa Environmental Mesonet (IEM)
website: <http://mesonet.agron.iastate.edu/>

Figure 3-1: Wind Rose Plot for Barter Island, Kaktovik, Alaska



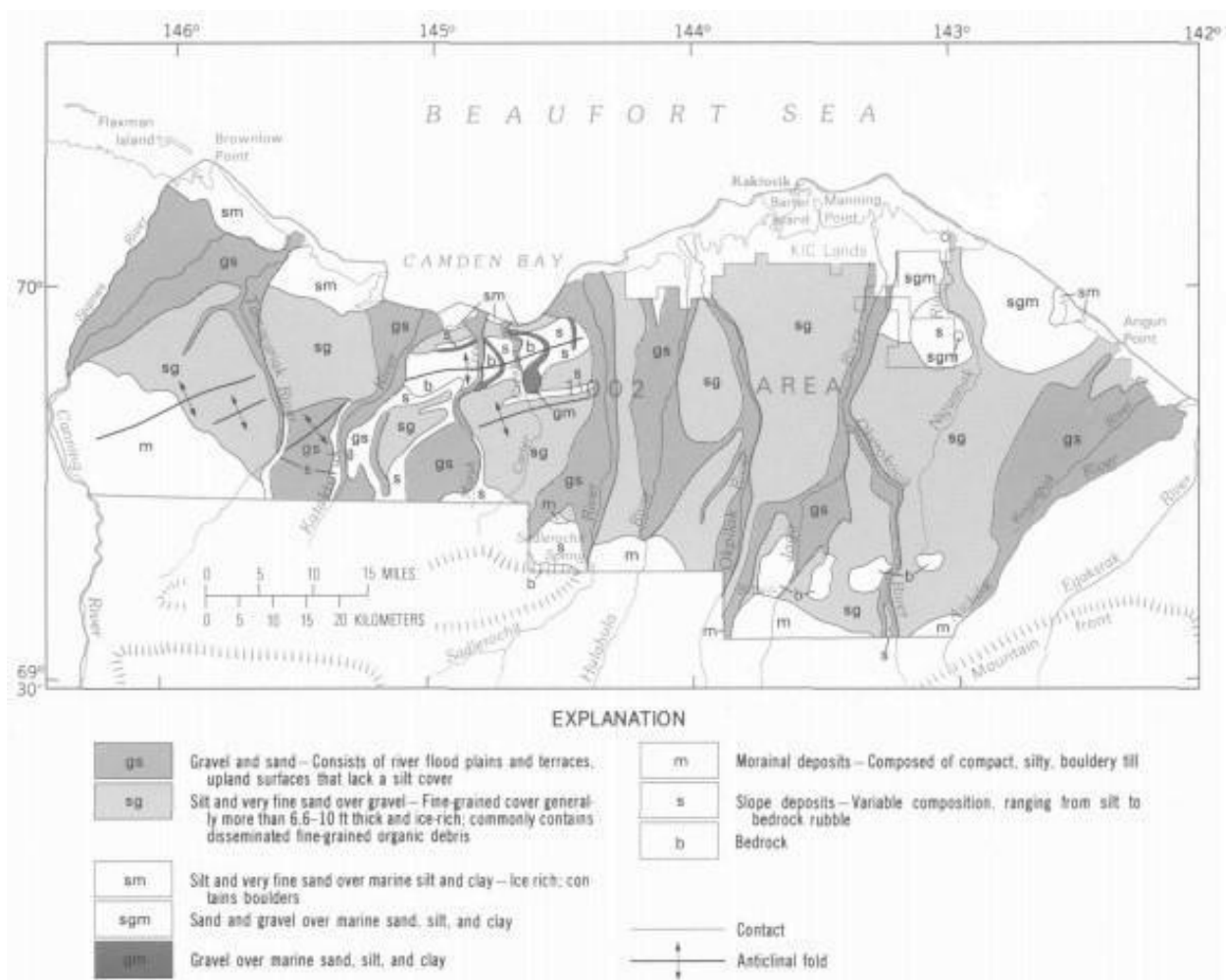
Source: IMPROVE 2018a

Figure 3-2: Visibility Data for Gates of the Arctic National Park and Denali National Park



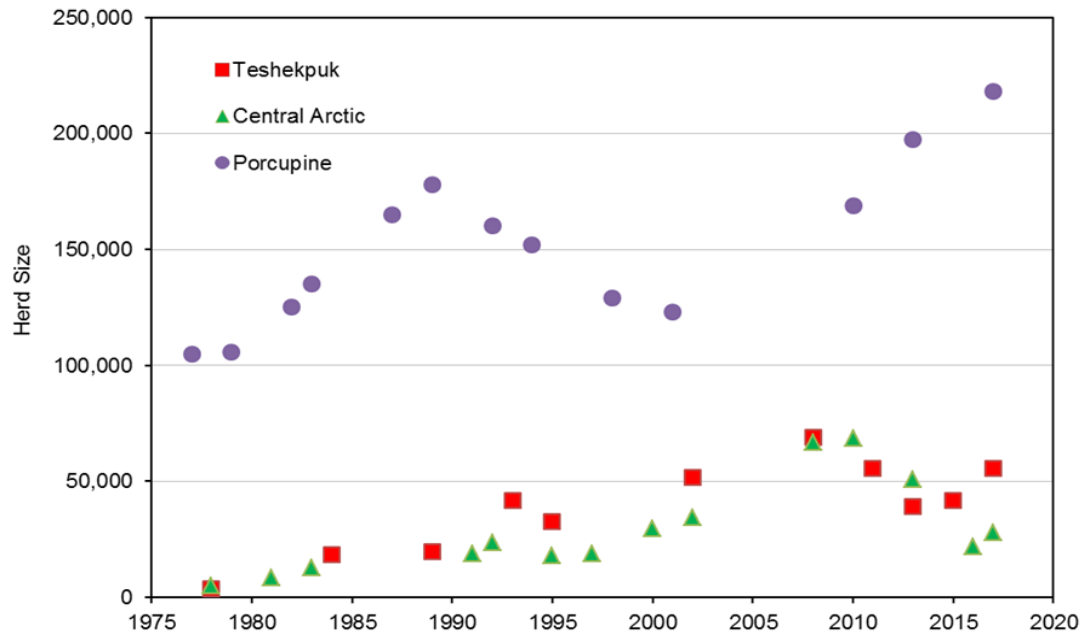
Source: US Geological Survey (USGS 1998b) Fact Sheet 0028-02 Figure 3

Figure 3-3: Stratigraphy of the Coastal Plain



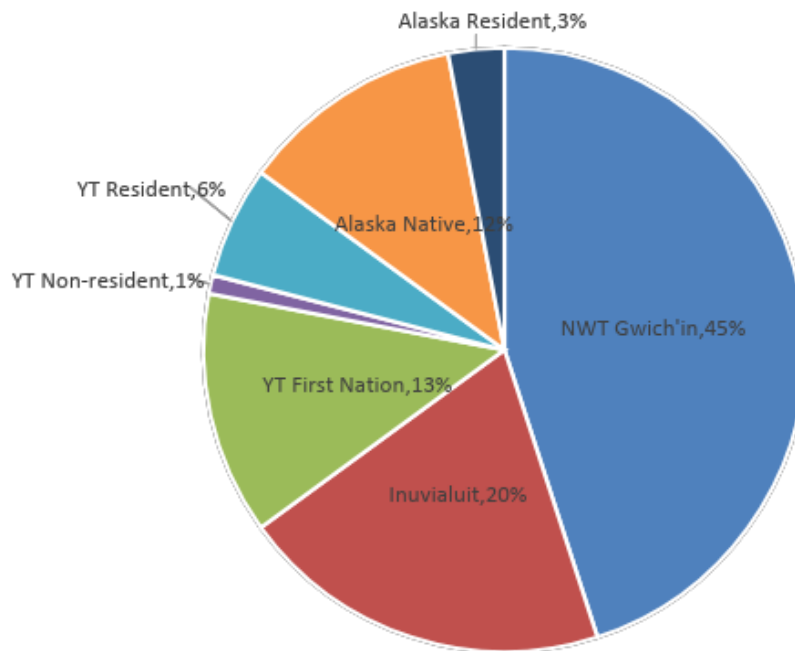
Source: Clough et al. 1987

Figure 3-4: Generalized Surficial Deposits of the Coastal Plain Area



Source: Lenart 2018

Figure 3-5: Population Size of Three Caribou Herds in Arctic Alaska, 1977-2017



Source: Porcupine Caribou Management Board 2010

Figure 3-6: Average Portion of Harvest of Porcupine Caribou Herd Between the US and Canada (1992-1994)

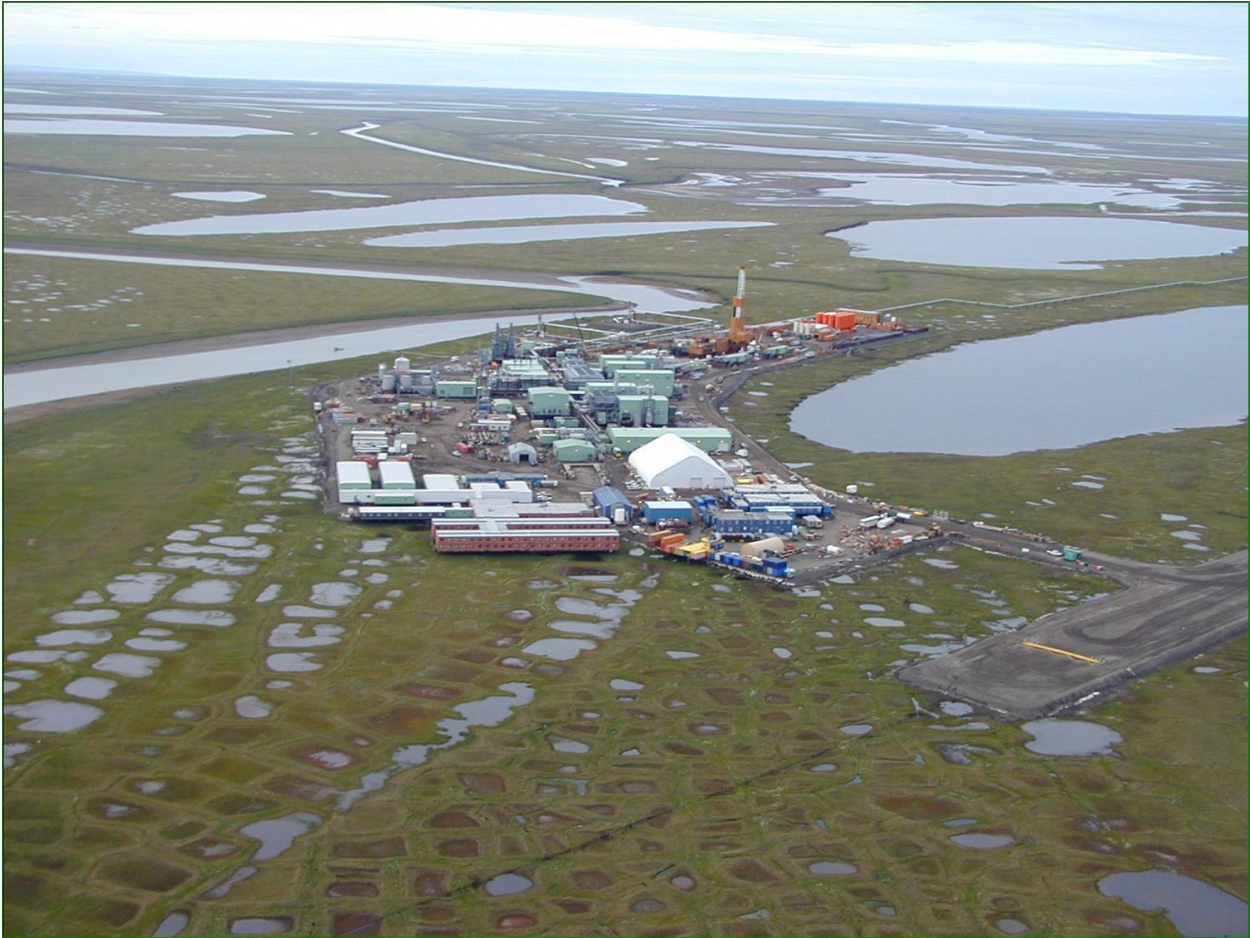


Figure 3-7: Visual Resources Photo 1

Typical layout for central processing facility with airstrip and pipeline (Alpine CPF on State land).



Figure 3-8: Visual Resources Photo 2

Typical layout for exploration well with ice pad and ice road (Stony Hill well site in NPR-A).