National Petroleum Reserve in Alaska (NPR-A)
Weekly Weather and Tundra Travel Report

Bureau of Land Management Alaska, Arctic District Office
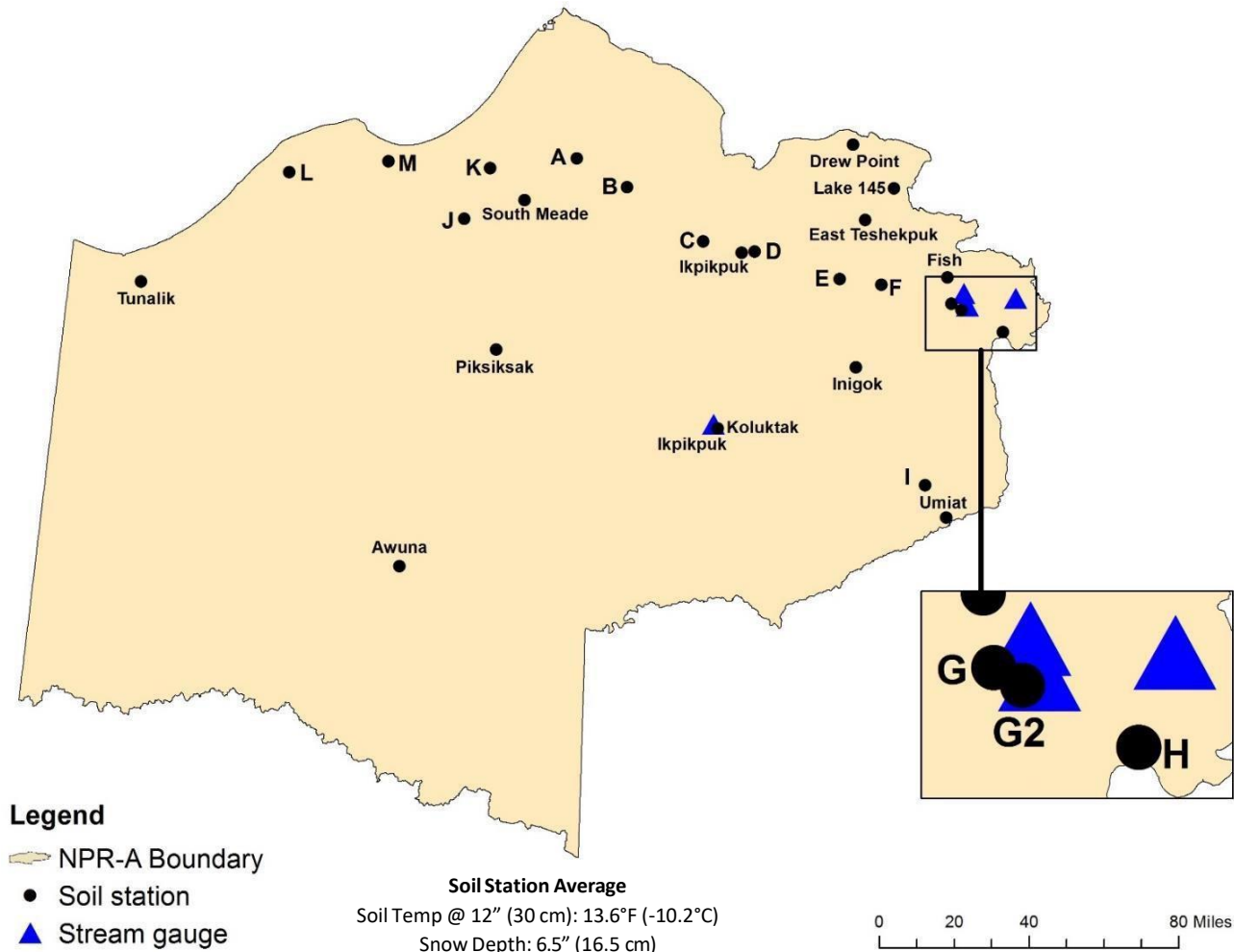Data pulled week of January 13, 2023.

BACKGROUND

The Bureau of Land Management (BLM) Alaska and U.S. Geological Survey (USGS) maintain a network of monitoring stations across the NPR-A. These stations report real-time data* on snow and soil conditions that may be used to help support the planning of tundra travel within NPR-A. For reference, the tundra may be considered open for off-road travel when soil temperatures reach a minimum of 23°F (-5°C) at 12 inches deep (30 cm) and snow depths average a minimum of 6 inches (15 cm). The number of stations reporting, and the dates of their last report may change throughout the winter due to transmission delays or failures. Station locations are depicted on the map below. *The data shown is considered raw data and is reported "as-is". Weekly averages are calculated using only data from stations that have successfully transmitted for that reporting week.

CONCLUSION

Soil temperature at 12 inches (30 cm) depth now averages 13.6°F (-10.2°C), which is down 2.8°F from last week and remains sufficiently frozen for overland travel. Snow depths now average 6.5" (16.5cm), an increase of 0.7" from last week. Average snow depth has reached the 6" minimum for off-road travel. Smaller streams and larger rivers within the NPR-A are continuing to freeze. For more information: please contact BLM Alaska Arctic District Office Staff:
Matthew Ferderbar: mferderbar@blm.gov or Katie Drew: ksdrew@blm.gov.

Legend
- NPR-A Boundary
- • Soil station
- ▲ Stream gauge

Soil Station Average
Soil Temp @ 12" (30 cm): 13.6°F (-10.2°C)
Snow Depth: 6.5" (16.5 cm)

0   20   40   80 Miles

Soil Station A (70cm cable)
Soil Temp @ 12": 7.3°F
Snow Depth: 2.0"

Soil Station B (70cm cable)
Soil Temp @ 12": 12.4°F
Snow Depth: 6.3"

Soil Station C (70cm cable)
Soil Temp @ 12": 21.9°F
Snow Depth: 11.4"

Soil Station D (70cm cable)
Soil Temp @ 12": 17.1°F
Snow Depth: 5.1"

Soil Station E (240cm cable)
Soil Temp @ 12": 14.3°F
Snow Depth: *

Soil Station G (310cm cable)
Soil Temp @ 12": 20.9°F
Snow Depth: 9.8"

Soil Station G2 (270cm cable)
Soil Temp @ 12": 9.9°F
Snow Depth: 1.9"

Soil Station H (270cm cable)
Soil Temp @ 12": 14.5°F
Snow Depth: *

Soil Station I (350cm cable)
Soil Temp @ 12": 14.1°F
Snow Depth: *

Soil Station J
Soil Temp @ 12": 2.4°F
Snow Depth: 1.9"

Soil Station K
Soil Temp @ 12": 17.7°F
Snow Depth: 15.7"

Soil Station L
Soil Temp @ 12": 11.3°F
Snow Depth: 5.5"

Soil Station M
Soil Temp @ 12": 8.2°F
Snow Depth: 3.1"

Soil Station Drew Point
Soil Temp @ 12": 8.1°F
Snow Depth: 5.4"

Soil Station E Teshekpuk
Soil Temp @ 12": 14.4°F
Snow Depth: 4.8"

Soil Station Awuna
Soil Temp @ 12": *
Snow Depth: *

Soil Station Ikpikpuk
Soil Temp @ 12": 12.6°F
Snow Depth: 6.4"

Soil Station Inigok
Soil Temp @ 12": 19.9°F
Snow Depth: 9.5"

Soil Station Fish Creek
Soil Temp @ 12": *
Snow Depth: *

Soil Station Lake 145
Soil Temp @ 12": 11.8°F
Snow Depth: *

Soil Station Piksiksak
Soil Temp @ 12": *
Snow Depth: *

Soil Station Koluktak
Soil Temp @ 12": 14.2°F
Snow Depth: 6.0"

Inigok RAWS
Soil Temp @ 12": *
Snow Depth: *

Soil Station Umiat
Soil Temp @ 12": 18.0°F
Snow Depth: 9.4"

Stream Gauge Fish Creek
Water Stage Height (Stage 2): *
Water Temp (Temp 1): *
Air Temp (1-week high): *
Air Temp (1-week low): *
Air Temp (1-week avg): *
Max Wind Speed (1-week high): *

Stream Gauge Ikpikpuk River
Water Stage Height: (Stage 2) 13.4' (above MSL)
Water Temp (Temp 1): 32.0°F
Air Temp (1-week high): 0.32°F
Air Temp (1-week low): -18.4°F
Air Temp (1-week avg): -9.04°F
Max Wind Speed (1-week high): 3.2 MPH

Stream Gauge Judy Creek
Water Stage Height (Stage 2): 22.1' (above MSL)
Water Temp (Temp 1): 32.0°F
Air Temp (1-week high): 6.3°F
Air Temp (1-week low): -20.6°F
Air Temp (1-week avg): -7.5°F

Stream Gauge Ublutuoch River
Water Stage Height (Stage 2): *
Water Temp (Temp 1): *
Air Temp (1-week high): *
Air Temp (1-week low): *
Air Temp (1-week avg): *