



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

Bureau of Land Management Alaska, Arctic District Office

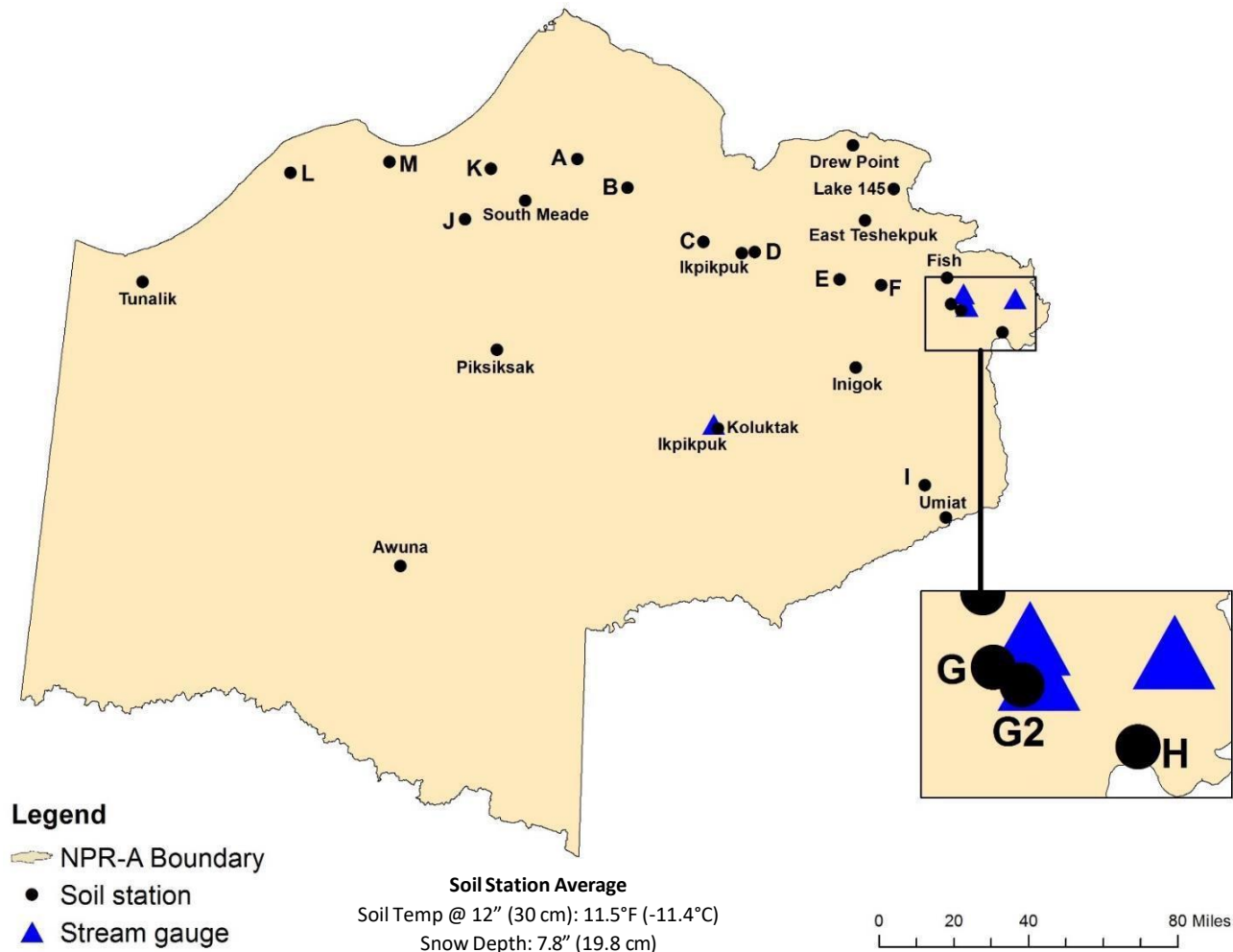
Data pulled week of January 20, 2023.

## BACKGROUND

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 11.5°F (-11.4°C), which is down 2.1°F from last week and remains sufficiently frozen for overland travel. Snow depths now average 7.8" (19.8cm), an increase of 1.3" 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.



**Soil Station A** (70cm cable)

Soil Temp @ 12": 3.4°F

Snow Depth: 2.0"

**Soil Station D** (70cm cable)

Soil Temp @ 12": 14.7°F

Snow Depth: 4.8"

**Soil Station G2** (270cm cable)

Soil Temp @ 12": 7.9°F

Snow Depth: 2.0"

**Soil Station J**

Soil Temp @ 12": 1.6°F

Snow Depth: 2.0"

**Soil Station M**

Soil Temp @ 12": 5.7°F

Snow Depth: 3.5"

**Soil Station Awuna**

Soil Temp @ 12": \*

Snow Depth: \*

**Soil Station Fish Creek**

Soil Temp @ 12": \*

Snow Depth: \*

**Soil Station Koluktak**

Soil Temp @ 12": 12.4°F

Snow Depth: 6.1"

**Soil Station B** (70cm cable)

Soil Temp @ 12": 9.8°F

Snow Depth: 6.3"

**Soil Station E** (240cm cable)

Soil Temp @ 12": 11.9°F

Snow Depth: \*

**Soil Station H** (270cm cable)

Soil Temp @ 12": 13.6°F

Snow Depth: \*

**Soil Station K**

Soil Temp @ 12": 16.3°F

Snow Depth: 22.0"

**Soil Station Drew Point**

Soil Temp @ 12": 5.9°F

Snow Depth: 11.3"

**Soil Station Ikpikpuk**

Soil Temp @ 12": 10.2°F

Snow Depth: 7.8"

**Soil Station Lake 145**

Soil Temp @ 12": 9.7°F

Snow Depth: \*

**Inigok RAWs**

Soil Temp @ 12": \*

Snow Depth: \*

**Soil Station C** (70cm cable)

Soil Temp @ 12": 19.1°F

Snow Depth: 11.4"

**Soil Station G** (310cm cable)

Soil Temp @ 12": 17.9°F

Snow Depth: 12.2"

**Soil Station I** (350cm cable)

Soil Temp @ 12": 13.2°F

Snow Depth: \*

**Soil Station L**

Soil Temp @ 12": 9.4°F

Snow Depth: 5.5"

**Soil Station E Teshekpuk**

Soil Temp @ 12": 12.6°F

Snow Depth: 5.0"

**Soil Station Inigok**

Soil Temp @ 12": 18.3°F

Snow Depth: 14.5"

**Soil Station Piksiksak**

Soil Temp @ 12": \*

Snow Depth: \*

**Soil Station Umiat**

Soil Temp @ 12": 16.0°F

Snow Depth: 8.7"

**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): 1.9°F

Air Temp (1-week low): -22.2°F

Air Temp (1-week avg): -10.1°F

Max Wind Speed (1-week high): 28.3 MPH

**Stream Gauge Judy Creek**

Water Stage Height (Stage 2): 22.1' (above MSL)

Water Temp (Temp 1): 29.5°F

Air Temp (1-week high): 1.9°F

Air Temp (1-week low): -19.5°F

Air Temp (1-week avg): -8.8°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): \*