

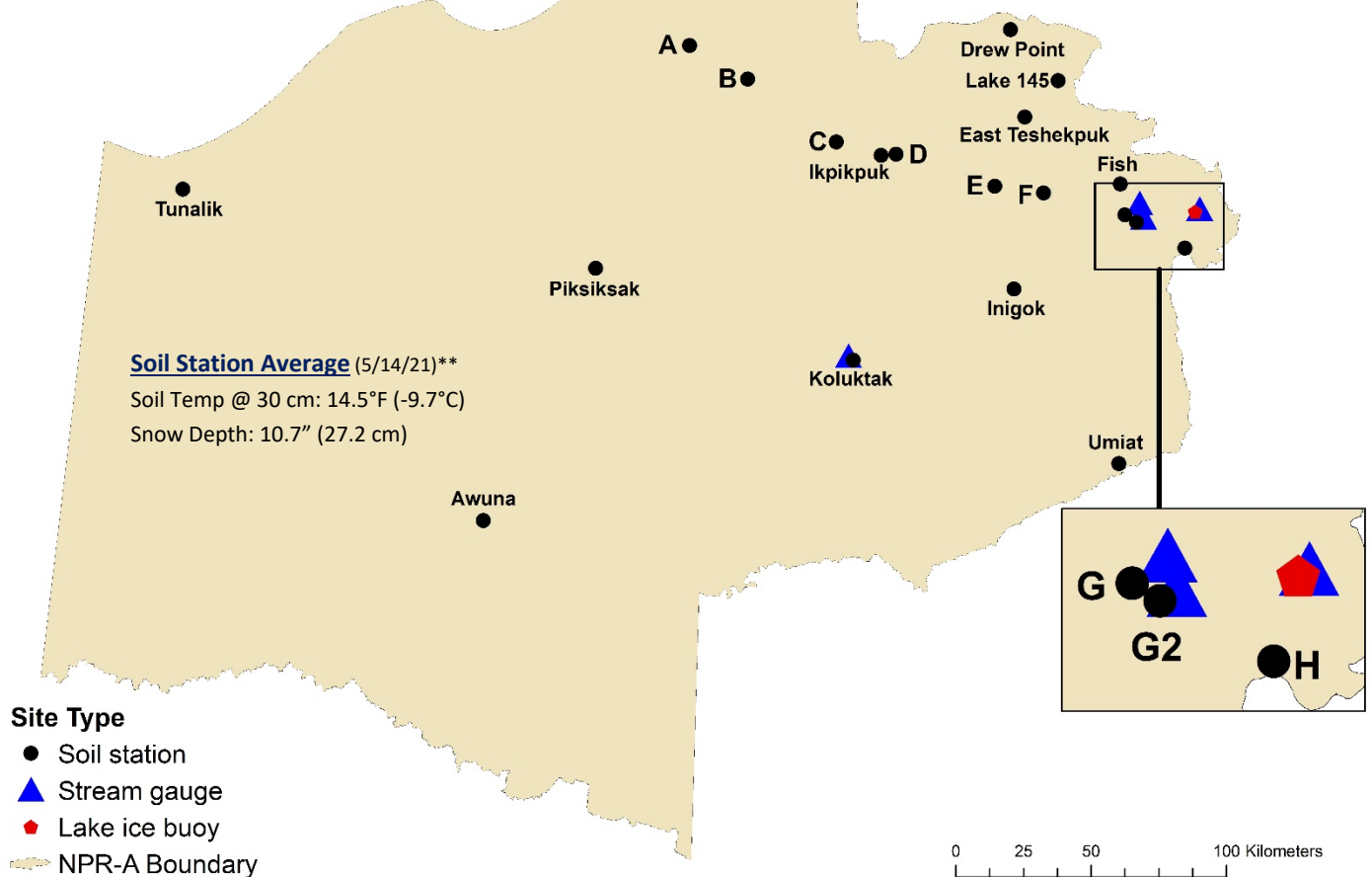


U.S. Department of the Interior
Bureau of Land Management



NPR-A Weekly Weather and Tundra Travel Report, week of 5/14/21

Arctic District Office, BLM Alaska



Conclusion: Despite cooler air temperatures throughout the past week, ground temperatures continued to warm overall and tundra snow conditions within the NPR-A have deteriorated enough that BLM closed snow roads for the season. While NPR-A wide temperature and snow value averages are adequate for tundra travel, areas commonly used for those purposes are below those averages. Lake ice thickness and river water temperature data indicate ice conditions at gauge sites are currently stable though likely not for much longer.

The BLM and 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 snow depths average a minimum of 9 inches (22.9 cm) and the ground is frozen to a minimum of 23° F (-5° C) at 12 inches (30 cm).

For questions, please contact Matthew Ferderbar: mferderbar@blm.gov or Katie Drew: ksdrew@blm.gov. The number of stations reporting, and the dates of their last report may vary throughout the winter due to telemetry delays or failures. Station locations are depicted on the map above. The data shown is considered raw data and is reported "as-is". * The number of stations reporting, and dates of their last report may vary throughout the winter due to telemetry delays or failures. Station locations are depicted on map above. **The weekly soil station average is calculated using only data from stations that have successfully transmitted for that reporting week.

Soil Station A (5/14/21)

Soil Temp @ 30 cm: 13.6°F (-10.2°C)

Snow Depth: NA

Soil Station D (5/14/21)

Soil Temp @ 30 cm: 14.7°F (-9.6°C)

Snow Depth: 4.8" (12.3 cm)

Soil Station G (5/14/21)

Soil Temp @ 30 cm: 14.0°F (-10.0°C)

Snow Depth: 17.9" (45.5 cm)

Soil Station Awuna (5/13/21)

Soil Temp @ 30 cm: NA

Snow Depth: 9.8" (25.0 cm)

Soil Station Fish Creek (5/13/21)

Soil Temp @ 30 cm: 12.7°F (-10.7°C)

Snow Depth: 7.8" (19.9 cm)

Soil Station Koluktak (5/13/21)

Soil Temp @ 30 cm: 14.9°F (-9.5°C)

Snow Depth: 12.0" (30.6 cm)

Soil Station Tunalik (5/13/21)

Soil Temp @ 30 cm: 14.7°F (-9.6°C)

Snow Depth: NA

Soil Station B (5/14/21)

Soil Temp @ 30 cm: 12.6°F (-10.8°C)

Snow Depth: NA

Soil Station E (5/14/21)

Soil Temp @ 30 cm: 13.8°F (-10.1°C)

Snow Depth: 2.5" (6.4 cm)

Soil Station G2 (5/14/21)

Soil Temp @ 30 cm: 14.9°F (-9.5°C)

Snow Depth: 2.0" (5.0 cm)

Soil Station Drew Point *(4/15/21)

Soil Temp @ 30 cm: 0.8°F (-17.36°C)

Snow Depth: 8.9" (22.6 cm)

Soil Station Ikpikpuk (5/13/21)

Soil Temp @ 30 cm: 13.5°F (-10.3°C)

Snow Depth: 9.2" (23.3 cm)

Soil Station Lake 145 *(4/15/21)

Soil Temp @ 30 cm: NA

Snow Depth: 11.4" (29.1 cm)

Soil Station Umiat (5/13/21)

Soil Temp @ 30 cm: 16.0°F (-8.9°C)

Snow Depth: 16.5" (41.9 cm)

Soil Station C (5/14/21)

Soil Temp @ 30 cm: 14.0°F (-10.0°C)

Snow Depth: 17.8" (45.3 cm)

Soil Station F (5/14/21)

Soil Temp @ 30 cm: 14.0°F (-10.0°C)

Snow Depth: NA

Soil Station H (5/14/21)

Soil Temp @ 30 cm: 14.4°F (-9.8°C)

Snow Depth: NA

Soil Station E Teshekpuk*(4/15/21)

Soil Temp @ 30 cm: 3.4°F (-15.91°C)

Snow Depth: 4.9" (12.5 cm)

Soil Station Inigok (5/13/21)

Soil Temp @ 30 cm: 14.2°F (-9.9°C)

Snow Depth: 14.2" (36.1 cm)

Soil Station Piksiksak (5/13/21)

Soil Temp @ 30 cm: 15.1°F (-9.4°C)

Snow Depth: 14.0" (35.6 cm)

Soil Station Umiat Airfield (5/13/21)

Soil Temp @ 30 cm: 19.4°F (-7.0°C)

Snow Depth: 11.0" (27.9 cm)

Stream Gauge Fish Creek (5/14/21)

Water Stage Height: 18.8' (above MSL)

Water Temp: 31.8°F (-0.1°C)

Air Temp (1-week high): 24.4°F (-4.2°C) 5/13/21

Air Temp (1-week low): 13.1°F (-10.5°C) 5/8/21

Air Temp (1-week avg): 18.9°F (-7.3°C)

Max Wind Speed (1-week high): 21.3 MPH direction: 82°

Stream Gauge Judy Creek (5/14/21)

Water Stage Height: 22.0' (above MSL)

Water Temp: 31.8°F (-0.1°C)

Air Temp (1-week high): 25.0°F (-3.9°C) 5/13/21

Air Temp (1-week low): 13.8°F (-10.1°C) 5/12/21

Air Temp (1-week avg): 19.6°F (-6.9°C)

Stream Gauge Ikpikpuk River (5/14/21)

Water Stage Height: 13.4 (above MSL)

Water Temp: 32.5°F (-0.3°C)

Air Temp (1-week high): 24.6°F (-4.1°C) 5/10/21

Air Temp (1-week low): 15.1°F (-9.4°C) 5/7/21

Air Temp (1-week avg): 19.6°F (-6.9°C)

Max Wind Speed (1-week high): 28.9 MPH direction: 46°

Stream Gauge Ublutuoch River (5/14/21)

Water Stage Height: 7.7' (above MSL)

Water Temp: 29.5°F (-1.4°C)

Air Temp (1-week high): 25.3°F (-3.7°C) 5/7/21

Air Temp (1-week low): 12.7°F (-10.7°C) 5/12/21

Air Temp (1-week avg): 19.2°F (-7.1°C)