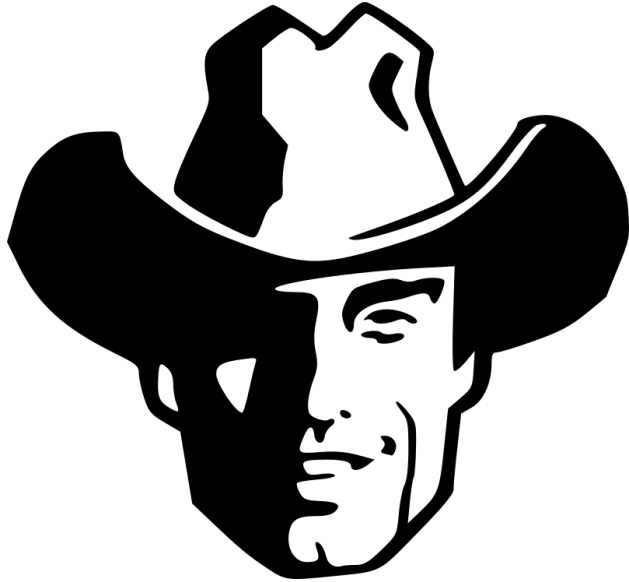


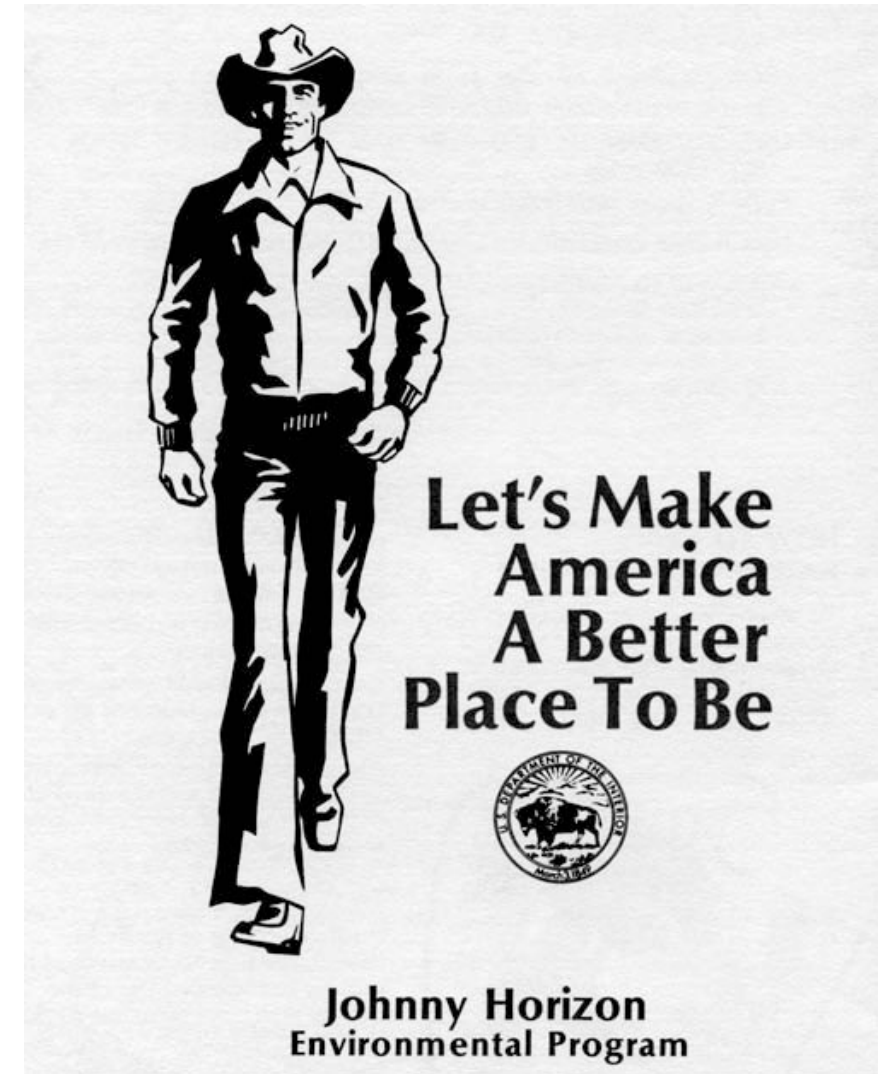
AKTEMP: Presenting a fully functional stream and lake temperature database for Alaska



Erin Larson, Marcus Geist, Jeff Walker, Rebecca
Shaftel, Ben Letcher, Jennifer Fair

American Water Resources Association, Alaska Chapter
– Anchorage, AK

April 6 2026



AKTEMP: A Stream and Lake Temperature Database for Alaska

March 6, 2023



Alaska Center for
Conservation Science
UNIVERSITY of ALASKA ANCHORAGE

Walker Environmental
Research

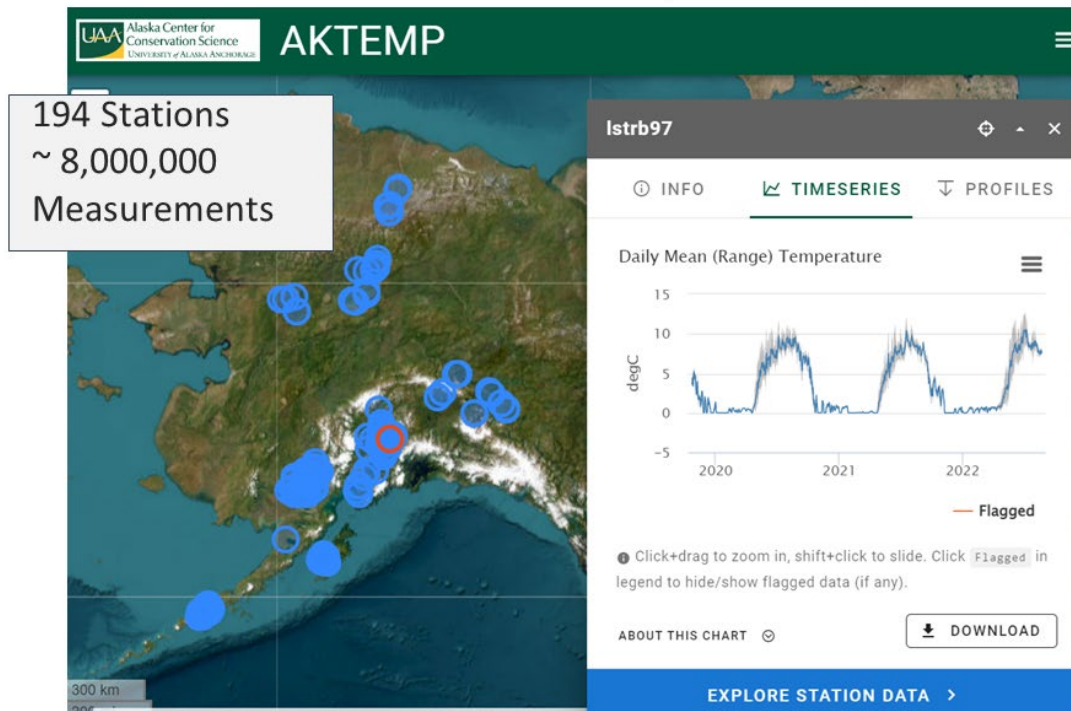
Rebecca Shaftel, UAA

Marcus Geist, UAA

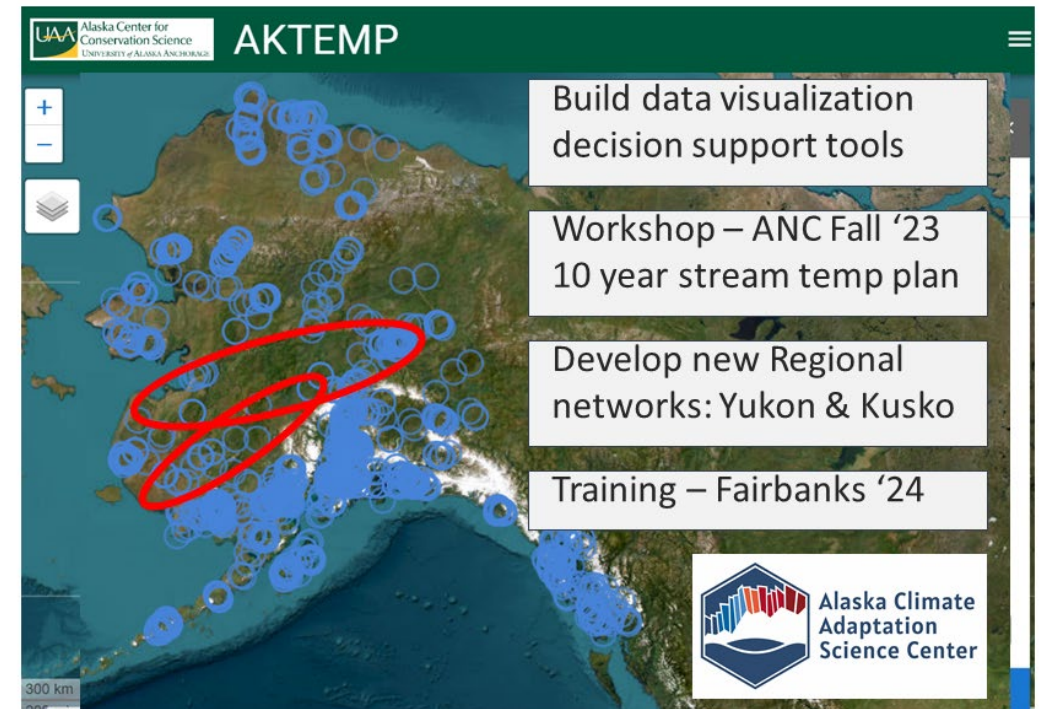
Dustin Merrigan, UAA

Jeff Walker, WER

Today - AKTEMP – Mega Data



Tomorrow AKTEMP Mega-Mega Data



AKTEMPVIZ: Stream Temperature Data Visualization Tool



USGS
science for a changing world



EcoSHEDS



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Conservation Science
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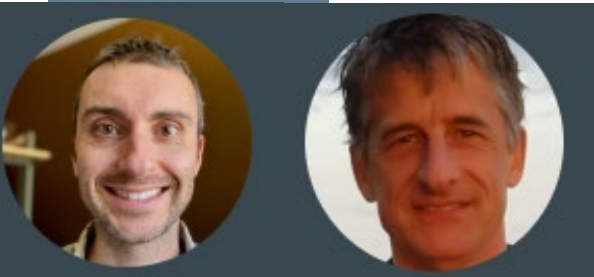
AKTEMP Water Temperature Database



NPS Continuous Water Data

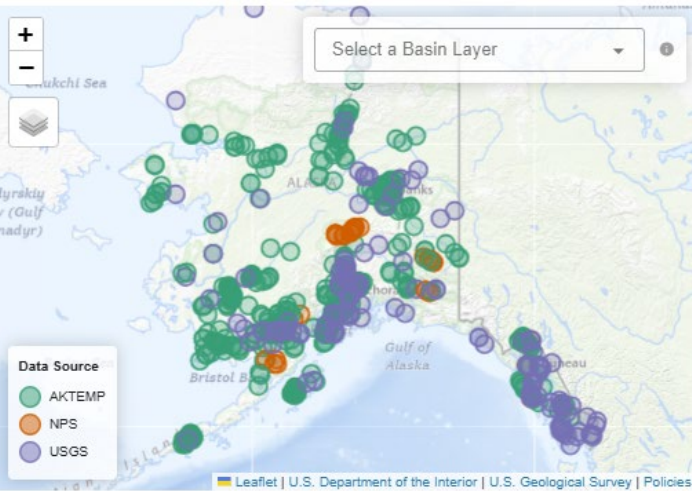


USGS
science for a changing world
National Water Dashboard





Stations



Map of Alaska showing stream temperature stations. Legend: AKTEMP (green), NPS (orange), USGS (purple). Map controls include zoom in (+), zoom out (-), and a 'Select a Basin Layer' dropdown.

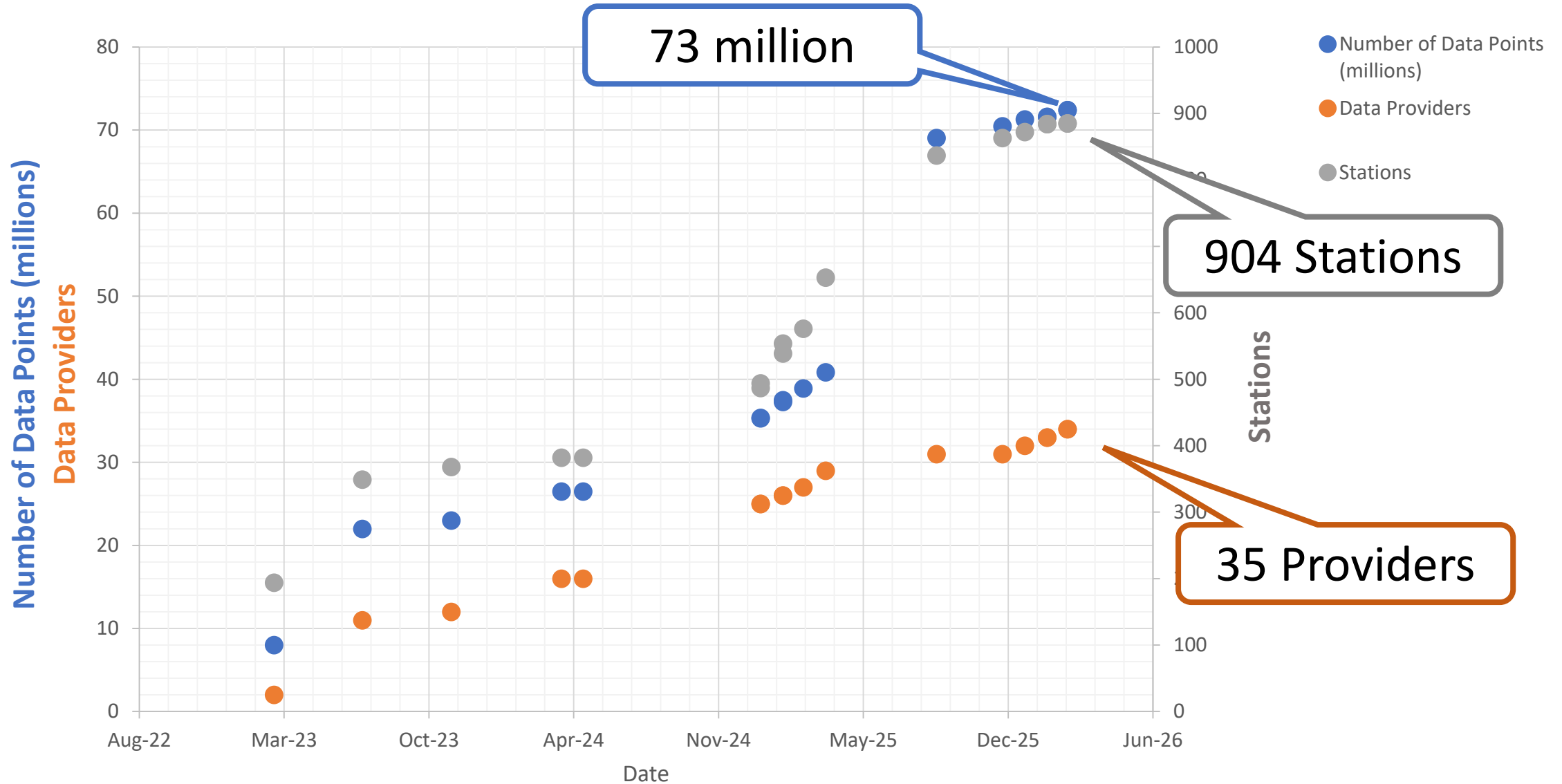
SELECT A STATION ON THE MAP OR TABLE BELOW.

FILTERS

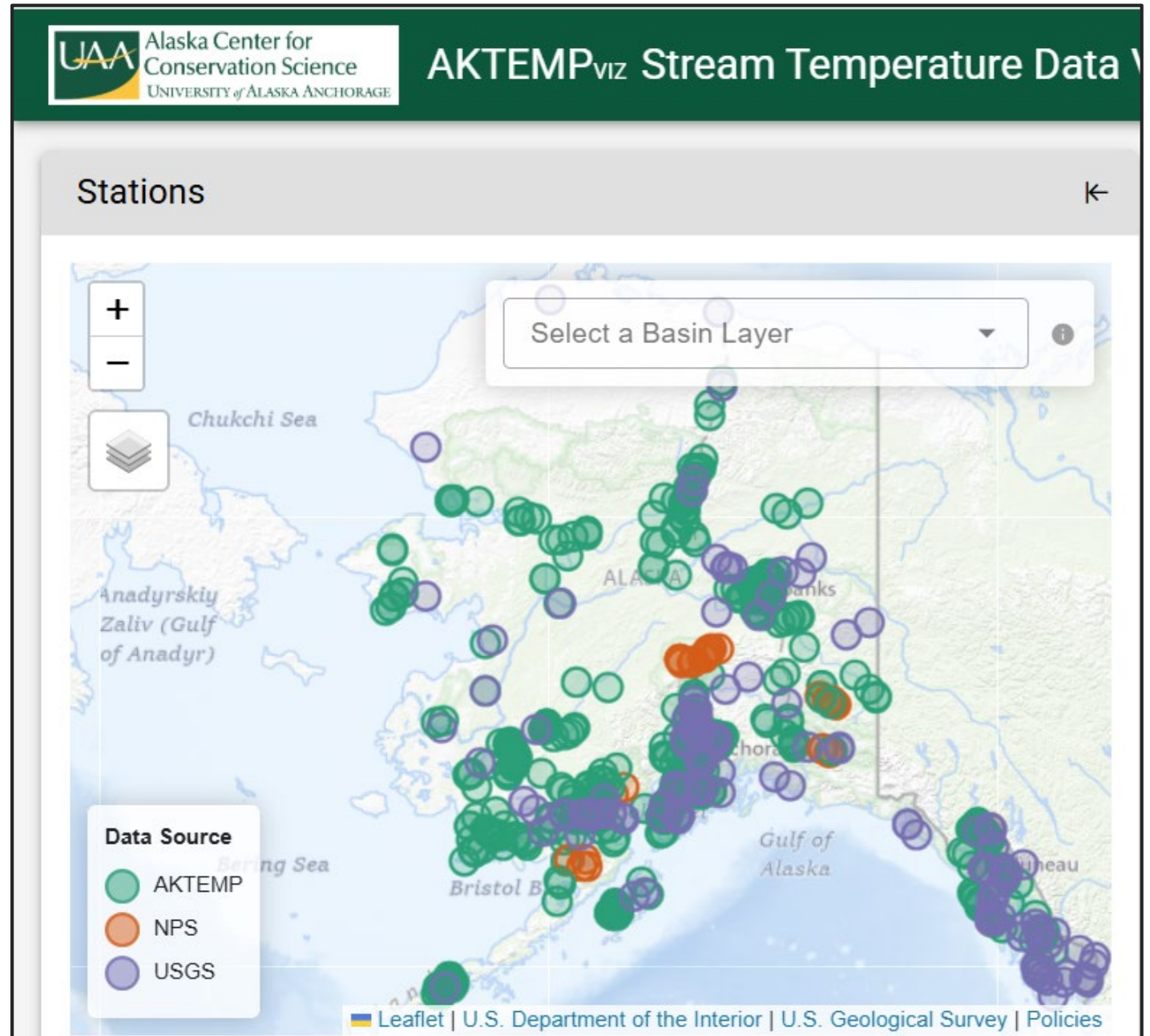
	Provider	Station	Waterbody	Start	End	Count
☐	AITRC	Fish Creek LB	Fish Creek	2023	2025	705
☐	AITRC	Fish Creek RB	Fish Creek	2023	2025	705
☐	AITRC	Mile 20 - Klutina Lake Trail	Unknown Creek - Tributary to Klutina River	2023	2025	714
☐	AITRC	Tazlina River	Tazlina River	2023	2024	409
☐	BBSRI	Egegik-below lagoon	Egegik River	2023	2024	227

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Growth of AKTEMP Over Two Years



Still need to fill
in data gaps...





Greetings from



Funding: USEPA Environmental Information Exchange Network; USGS Alaska Climate Adaptation Science Center; NSF Arctic Observing Networks; UAA General Funds



<https://aktemp.uaa.alaska.edu/>