Climate Resilient Rural Infrastructure

Alaska Geosummit

April 2025

ALASKA NATIVE TRIBAL HEALTH CONSORTIUM

Our vision: “Alaska Native people are the healthiest people in the world”

ANTHC Climate Initiatives

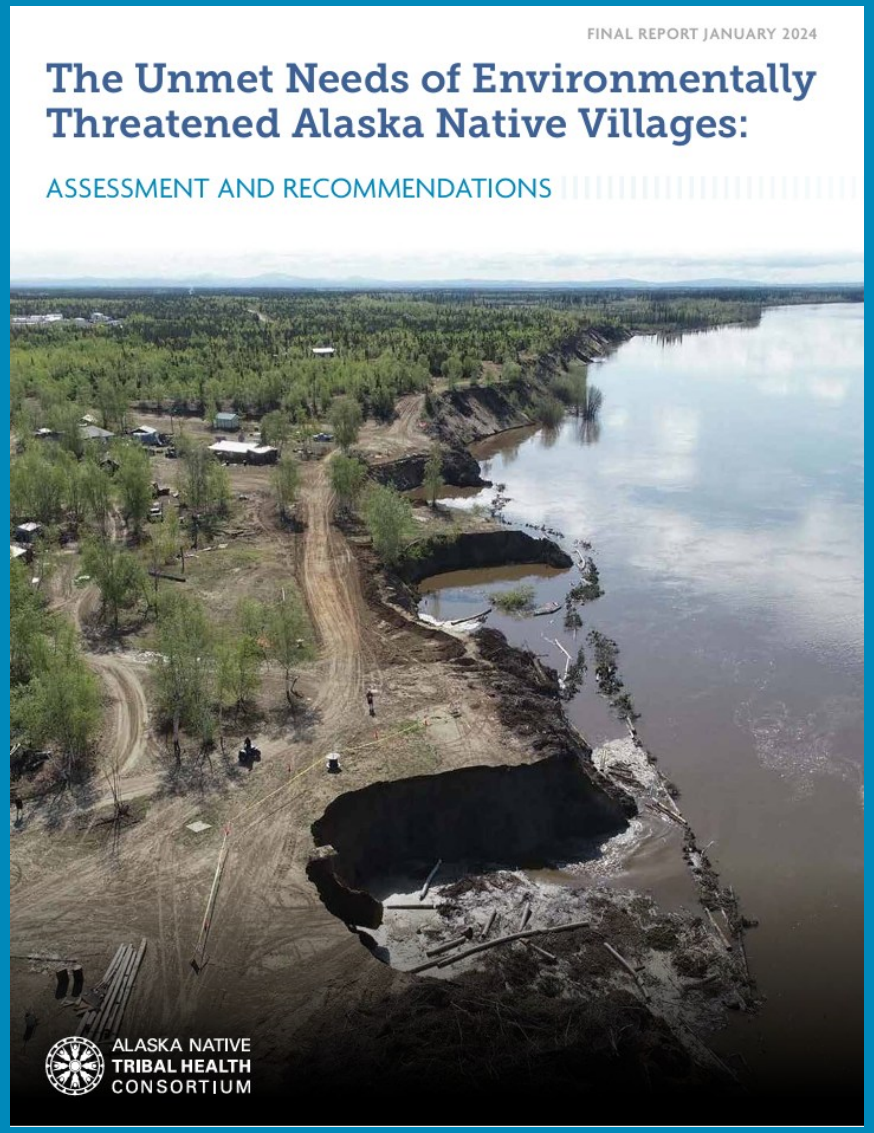
Partnering with communities to find healthy and resilient ways to adapt to our changing environment.

ANTHC recently published the ***Unmet Needs of Environmentally Threatened Alaska Native Villages*** report.

Barriers to addressing climate change and environmental threats in rural Alaska include:

1. Lack of funding
2. Lack of technical assistance
3. Limited local capacity
4. Lack of community-specific hazard data collection and risk assessments
5. Ad-hoc agency coordination
6. Inefficiency in implementing projects with multiple funding sources

See links in speaker profile



ALASKA NATIVE
TRIBAL HEALTH
CONSORTIUM

Center for Environmentally Threatened Communities

Support communities to develop and implement solutions.

- Risk Assessments
- Community Planning, Project Development, Project Management
- Grant Writing and Management
- Contracting Services

ALASKA NATIVE TRIBAL HEALTH CONSORTIUM

Community Climate Risk Assessment Program (RAP)

Partnering with State of Alaska and others to:

- **Best available science and engineering**
- **Multi-disciplinary technical expertise**
- **Long-term plans**
- **Coordinate funding**
- **Standards**
- **Monitoring**

Community Meeting in Napakiak

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Adaptation Phases

RISK ASSESSMENT

- Collect baseline data on erosion, flood, and permafrost thaw using community-based observations and scientific data
- Erosion, flood, and permafrost modeling and engineering analyses
- Data compiled into risk assessment report for review by community members and leaders

RESULT

Community understanding of risk

PLANNING

- Community solutions to mitigate risk are developed based on technical feasibility, and benefits and costs of actions
- Community decides to protect-in-place, retreat or relocate, and prioritizes related actions, resources, and timelines
- Community develops Hazard Mitigation Plan (HMP) and resilience/adaptation plan with prioritization of fundable projects

RESULT

Written plan summarizing hazards and priority projects to reduce risk

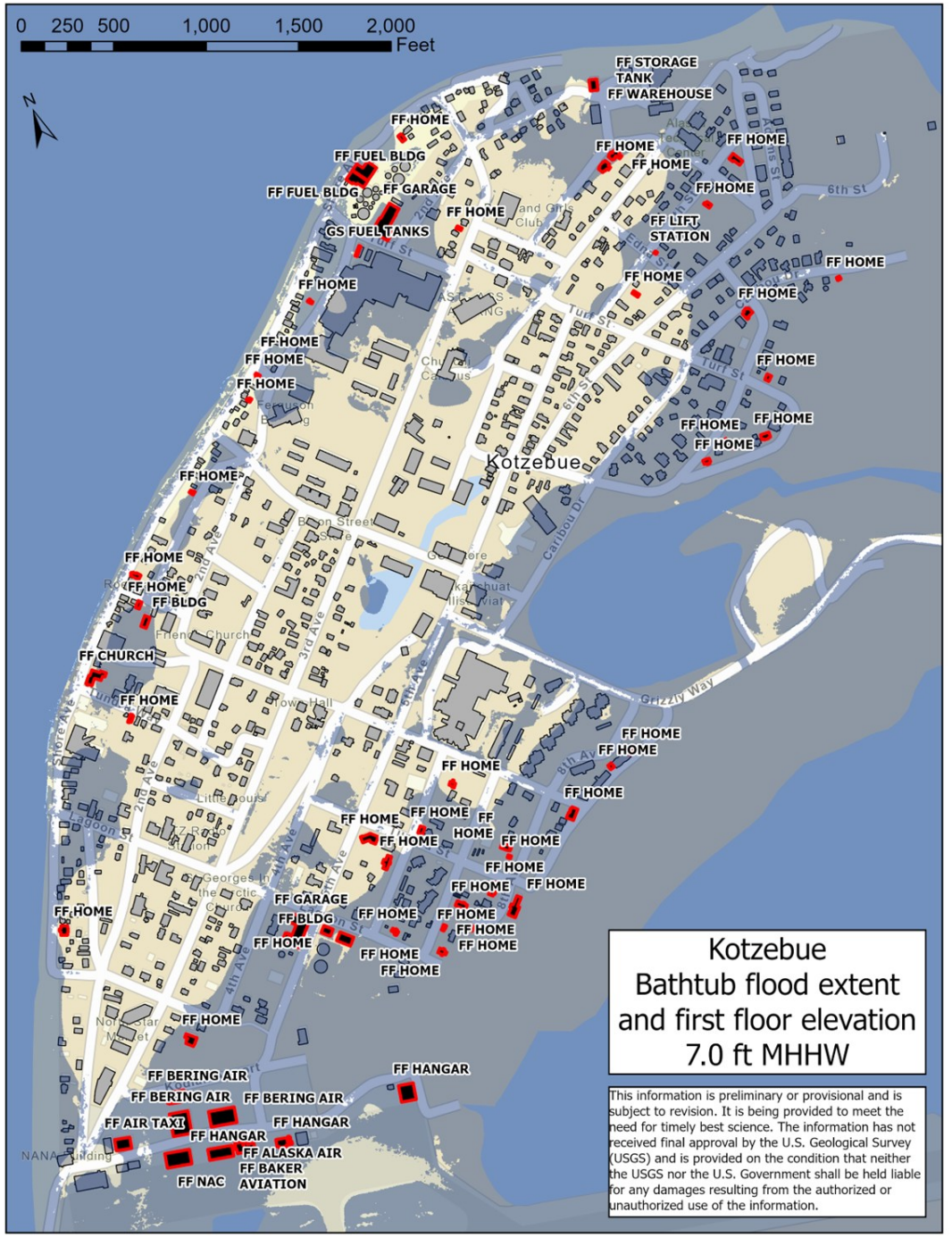
IMPLEMENTATION

- Community drives project design
- Community acquires and manages project funding
- Community manages construction project implementation by working with local or outside project management contractors
- Construction using local workforce

RESULT

Reduced risk to environmental threats

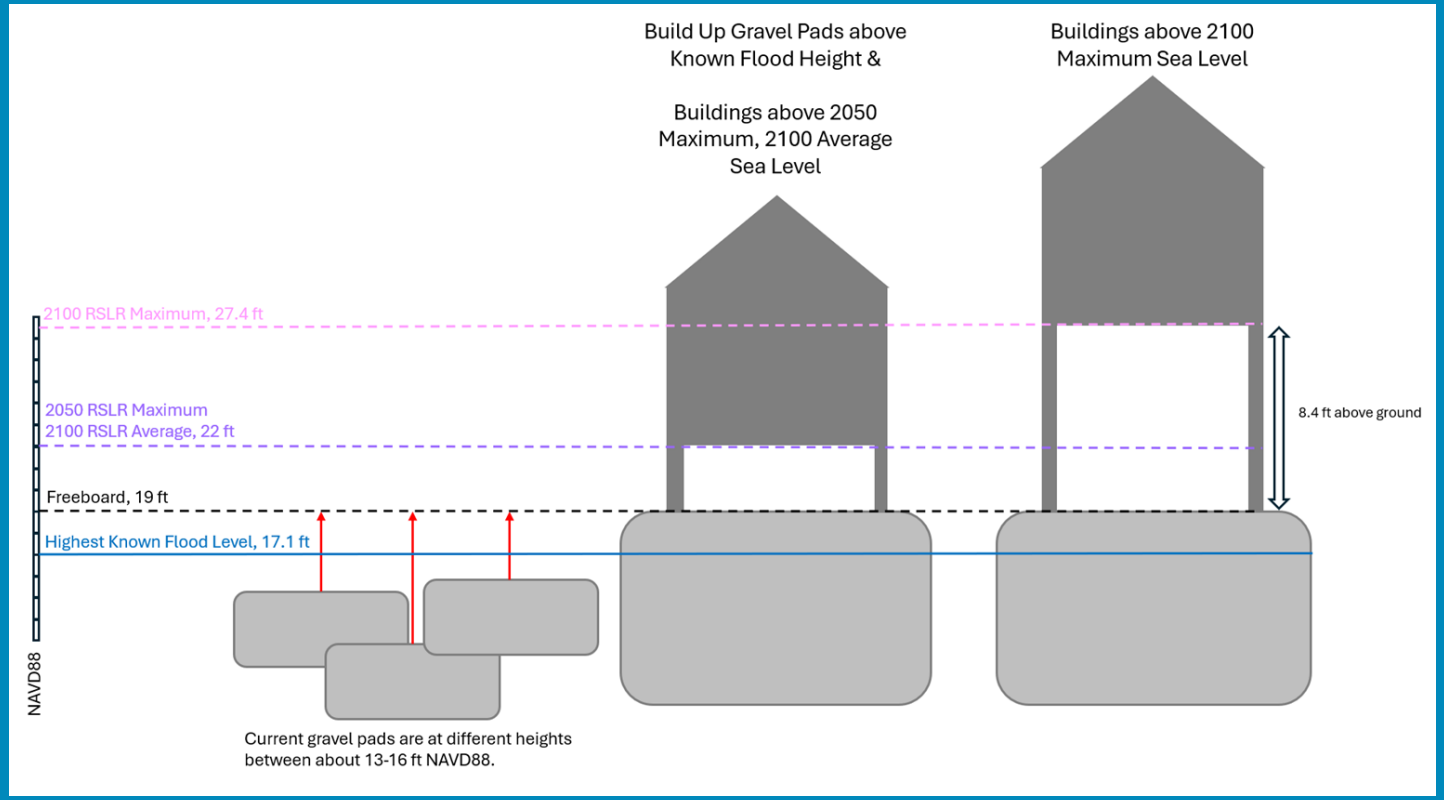
Example: building elevation data collected by ANTHC was used for Kotzebue flood response



Community Climate Risk Assessment Program (RAP)

Developing a program, standards of practice, and workforce from scratch:

- Transition away from final project reports that sit on shelves to **dynamic data and planning systems that are regularly updated**.
- Iteratively work through new and different scopes of work with **contract workforce**.
- Create **standard yet community-specific** figures, schematics, maps, etc. that support decision-making.



Draft relative sea level rise scenarios and gravel pad building concept.

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United States Department of the Interior

BUREAU OF INDIAN AFFAIRS
Washington, DC 20240

RECEIVED
By Jackson Clement at 10:27 am, Aug 16, 2024

IC-61870

January 26, 2023

The Honorable Lucy Pavilla
President, Native Village of Napakiak
P.O. Box 34069
Napakiak, Alaska 99634

Dear President Pavilla:

On behalf of the Bureau of Indian Affairs (BIA), Office of Trust Services – Branch of Tribal Climate Resilience (TCR), I am pleased to inform you of your selection to participate in the Voluntary Community-Driven Relocation Demonstration Project. An email was sent to Alaskan_native2005@yahoo.com and lucypavilla.84@gmail.com on December 15, 2022 as a formal congratulations on this selection. This email was sent from resilience.funding@bia.gov. The original email is enclosed to this letter. Congratulations again on being selected as a demonstration Tribe and thank you for pursuing climate resilience for your community.

TCR would like to schedule a virtual meeting and an in-person meeting as soon as possible to discuss the project further with Tribal Leadership. Please let TCR know the best date for both meetings. We recommended that any additional Tribal administrative support who may be working on or keeping track of narrative or financial reports also attend. Consultants may attend in addition to Tribal Leadership. If any additional staff will attend the virtual meeting, please provide their names and emails by **Friday, February 3, 2023**, to Alexis.Wagner@bia.gov to be added to the calendar invite. We intend the first virtual meeting to include only Tribal Leadership and selected staff. We anticipate that future meetings can include broader Tribal member participation.

TCR has assigned Rosalie Debenham to serve as the Bureau Project Officer (BPO) on this project. She may be reached at Rosalie.Debenham@bia.gov or by phone at (907) 310-9935. She will be available to discuss or advise on technical issues of the project as they arise. TCR also has an Acting Team Lead for the pilots, Alexis Wagner. She is the central office lead and can be contacted at Alexis.Wagner@bia.gov or by phone at (505) 917-1177. In addition, all written correspondence concerning the project should be addressed to both your BPO and project lead. This includes correspondence on the required annual and final reports. We wish you every success in your work.

Sincerely,

Trina Locke
Acting Deputy Bureau Director, Trust Services

Enclosure

2

DocuSign Envelope ID: 0D802D3E-4638-4674-AE8F-72AD4DC4CF3E

NFWF	NATIONAL FISH AND WILDLIFE FOUNDATION GRANT AGREEMENT	1. NFWF PROPOSAL ID: 80179	2. NFWF GRANT ID: 0318.24.080179
		3. UNIQUE ENTITY IDENTIFIER (UEI) M272P7XFJNN7	4. INDIRECT COST RATE (REFERENCE LINE 17 for RATE TERMS) 10.4%

5. SUBRECIPIENT TYPE	6. NFWF SUBRECIPIENT
Non-profit	Alaska Native Tribal Health Consortium

7. NFWF SUBRECIPIENT CONTACT	8. NFWF GRANTS ADMINISTRATOR/NFWF CONTACT INFORMATION
Max Neale Alaska Native Tribal Health Consortium 4000 Diplomacy Drive Anchorage, AK 99508 Tel: 907-729-4521 mdneale@anthc.org	Graeme Logan National Fish and Wildlife Foundation 1133 15th Street, N.W. Suite 1000 Washington, D.C. 20005 Tel:202-857-0166 Fax: 202 857-0162 graeme.logan@nfwf.org

9. PROJECT TITLE
Building a Community Climate Risk Assessment Program (AK)

10. PROJECT DESCRIPTION
Build community capacity to conduct extensive community specific data collection and analyses that will assist Alaska Native communities to make informed long-term decisions and develop solutions that are feasible and cost effective. Project will create a voluntary statewide data and risk assessment program to serve Alaska Native communities and enable them to advance to design and implementation for long-term resilience.

11. PERIOD OF PERFORMANCE	12. TOTAL AWARD TO SUBRECIPIENT	13. TOTAL FED. FUNDS	14. TOTAL NON-FED. FUNDS
May 1, 2024 to April 30, 2027	$4,066,121.94	$4,066,121.94	N/A

15. FEDERAL MATCH REQUIREMENT	16. NON-FEDERAL MATCH REQUIREMENT
N/A	N/A

17. SUBRECIPIENT INDIRECT COST RATE TERMS
The rate specified in Line 4 reflects either, the indirect cost rate negotiated between the Subrecipient and their cognizant federal agency as stated in the Subrecipient's valid Negotiated Indirect Cost Rate Agreement (NICRA), or, the indirect cost rate that the Subrecipient applied to the project budget. During the life of this Agreement, the indirect cost rate applied to this award will not exceed the rate stated in the Subrecipient's valid NICRA for the relevant period.

18. TABLE OF CONTENTS

SEC.	DESCRIPTION
1	NFWF Agreement Administration
2	NFWF Agreement Clauses
3	Representations, Certifications, Obligations, and Other Statements – General
4	Representations, Certifications, and Other Statements Relating to Federal Funds- General
5	Representations, Certifications, and Other Statements Relating to Federal Funds – Funding Source Specific
6	Other Representations, Certifications, Statements and Clauses

ALASKA REGIONAL OFFICE
ANCHORAGE, ALASKA

PUBLIC LAW 93-638 (AS AMENDED)
FOR A
SUBPART J CONTRACT

BY AND BETWEEN THE

**UNITED STATES OF AMERICA,
DEPARTMENT OF THE INTERIOR
BUREAU OF INDIAN AFFAIRS**

AND THE

NATIVE VILLAGE OF NAPAKIAK

FOR TRIBAL CLIMATE RESILIENCE PROJECT

CONTRACT NO. A24AV00910

4Z - 84077101 - 0 Page 1

U.S. ENVIRONMENTAL PROTECTION AGENCY Cooperative Agreement	GRANT NUMBER (FAIN): 84077101 MODIFICATION NUMBER: 0 PROGRAM CODE: 4Z	DATE OF AWARD 05/15/2024
	TYPE OF ACTION New	MAILING DATE 05/20/2024
	PAYMENT METHOD: ASAP	ACH# X0492

RECIPIENT TYPE:	Send Payment Request to:
Indian Tribe	Contact EPA RTPFC at: rtpfc-grants@epa.gov
RECIPIENT:	**PAYEE:**
NATIVE VILLAGE OF SHAKTOOLIK P.O. Box 100 Shaktoolik, AK 99771 **EIN:** 92-0010257	Native Village of Shaktoolik P.O. Box 100 P.O. Box 100 Shaktoolik, AK 99771

PROJECT MANAGER	EPA PROJECT OFFICER	EPA GRANT SPECIALIST
Genevieve Rock Native Village of Shaktoolik P.O. Box 100 Shaktoolik, AK 99771 **Email:** Nvosdc@outlook.com **Phone:** 907-955-3701	Chris Carusiello 1301 Constitution Ave NW 6306T Washington, DC 20460 **Email:** Carusiello.Chris@epa.gov **Phone:** 703-308-8757	Shana Etheridge 1200 Pennsylvania Ave. NW 3903R Washington, DC 20460 **Email:** Etheridge.Shana@epa.gov **Phone:** 202-564-9777

PROJECT TITLE AND DESCRIPTION

Native Village of Shaktoolik Materials Management Infrastructure Project

See Attachment 1 for project description.

BUDGET PERIOD	PROJECT PERIOD	TOTAL BUDGET PERIOD COST	TOTAL PROJECT PERIOD COST
05/01/2024 - 12/31/2025	05/01/2024 - 12/31/2025	$ 1,413,015.00	$ 1,413,015.00

NOTICE OF AWARD

Based on your Application dated 04/03/2023 including all modifications and amendments, the United States acting by and through the US Environmental Protection Agency (EPA) hereby awards $ 1,413,015.00. EPA agrees to cost-share 100.00% of all approved budget period costs incurred, up to and not exceeding total federal funding of $ 1,413,015.00. Recipient's signature is not required on this agreement. The recipient demonstrates its commitment to carry out this award by either: 1) drawing down funds within 21 days after the EPA award or amendment mailing date; or 2) not filing a notice of disagreement with the award terms and conditions within 21 days after the EPA award or amendment mailing date. If the recipient disagrees with the terms and conditions specified in this award, the authorized representative of the recipient must furnish a notice of disagreement to the EPA Award Official within 21 days after the EPA award or amendment mailing date. In case of disagreement, and until the disagreement is resolved, the recipient should not draw down on the funds provided by this award/amendment, and any costs incurred by the recipient are at its own risk. This agreement is subject to applicable EPA regulatory and statutory provisions, all terms and conditions of this agreement and any attachments.

ISSUING OFFICE (GRANTS MANAGEMENT OFFICE)	AWARD APPROVAL OFFICE

ALASKA NATIVE TRIBAL HEALTH CONSORTIUM

TASK ORDER AWARD
IDIQ CONTRACT NO: 24-TC-021325
TASK ORDER NO: 25-TO-327771, revised

Task Order Title: Grant Writing Technical Assistance

Consultant: HDR Engineering, Inc.
Address: 582 E. 36th Avenue, Suite 500
Anchorage, AK 99503

Period of Performance: September 6, 2024 – September 1, 2025
Task Order Type: Time & Materials
Ceiling Value: $60,000.00
Funded Value: $60,000.00

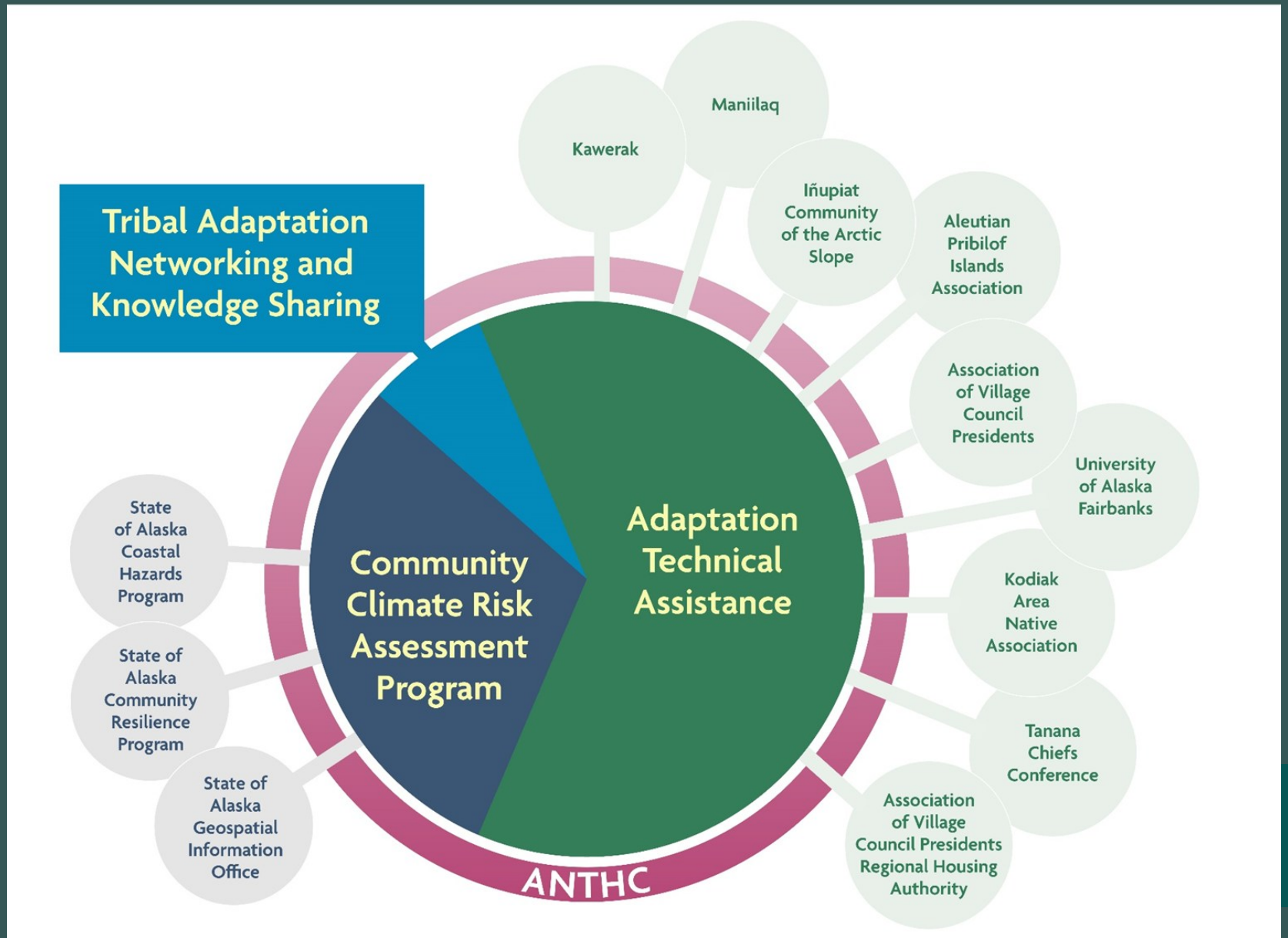
This Task Order is issued pursuant to, and shall be performed in accordance with the terms and conditions of the Contract identified above between the parties and in accordance with the attached Statement of Work.

IN WITNESS WHEREOF, the parties hereto have, through duly authorized officials, executed this Task Order effective as of the date indicated below.

ALASKA NATIVE TRIBAL HEALTH CONSORTIUM	HDR ENGINEERING, INC.
SIGNATURE	SIGNATURE
Antonia Lawless	**Matthew Stone,PE**
NAME	NAME
Contracting Officer II	**Vice President**
TITLE	TITLE
September 6, 2024	**9/6/2024**
DATE	DATE

Stronger, together: expanding climate adaptation technical assistance for frontline Alaska Native communities

NOAA Climate Resilience Regional Challenge Project Summary



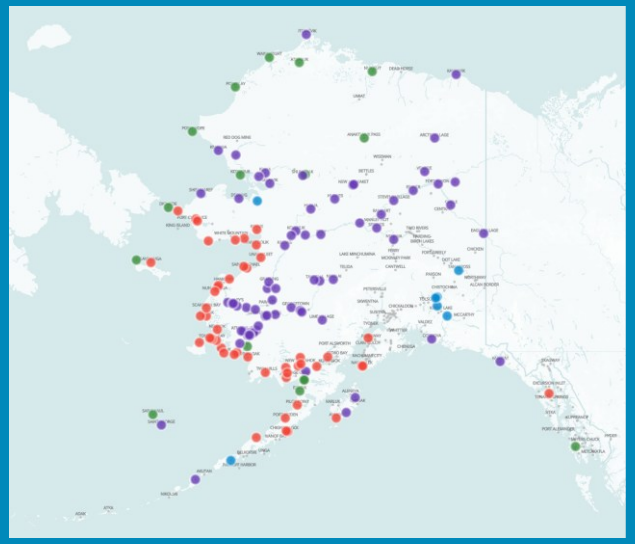
Map Your Future with ANTHC!

Positions open in:

DEHE GIS ADMINISTRATOR (Job ID 2768)

Grants Management
Climate Adaptation Planning/Project Management
Engineering Project Management
Coastal/Permafrost Risk Assessment Project Management
Emergency Preparedness

Risk Assessment Data Tracking Website



https://www.anthc.org/what-we-do/climate-initiatives/
https://www.anthc.org/work-with-us/
https://staging.tribalhealthnetwork.org/data/analyze/ETC

joverbeck@anthc.org

ALASKA NATIVE TRIBAL HEALTH CONSORTIUM