

Kotlik Current and Proposed Projects

STATUS	PROJECT TITLE	DESCRIPTION	FUNDER	REQUESTOR	COST
Completed	Native Village of Kotlik Coastal Adaptation Assessment Grant	This funding will develop an Adaptation Assessment which will identify important components of the community and determine the risk of harm. It will hire a part-time Project Coordinator to take the lead and form a planning team that meets regularly and works through the steps outlined in the U.S. Climate Resilience Toolkit, seeks technical assistance as needed and implements the completed assessment plan.	Bureau of Indian Affairs Tribal Resilience Program	Kotlik Village Council	\$83,875
In Progress	Coastal Infrastructure Erosion Vulnerability Assessment	Use existing information to develop linear erosion projections and analyze the temporal impacts of erosion on community infrastructure for 45 communities (including Kotlik) located on the western coast of Alaska.	Denali Commission	Alaska Department of Natural Resources, Division of Geological and Geophysical Surveys (DGGS)	\$226,000
In Progress	Kotlik Subdivision and Access Boardwalk Design	This award will complete the civil site design for a new subdivision at the old airstrip and the design of an access boardwalk to the site. It will also include the design of a skid system and development of a home relocation methodology that can be implemented locally to move threatened structures.	Denali Commission	Kotlik Village Council	\$197,000
Completed	Kotlik Hazard Mitigation Plan	Updates the City of Kotlik Hazard Mitigation Plan which expired December 5, 2018. The new plan is multi-jurisdictional. Pending adoption by the City and Tribe, the plan will be sent to FEMA for adoption.	State of Alaska Department of Military and Veteran's Affairs, Division of Homeland Security and Emergency Management through a grant from the Federal Emergency Management Agency (FEMA)	City of Kotlik and Native Village of Kotlik	N/A
In-Progress	Facilitating Coastal Storm Decision Support at Kotlik, Alaska	<p>This proposal seeks to establish an authoritative tidal datum at Kotlik, Alaska so agencies that provide floodplain services will be given a greater capacity to extend storm forecasting, flood risk mapping, and community planning to Kotlik.</p> <p>The project involves the collection of short-term water level data to produce geodetically referenced tidal datums to NOAA CO-OPS (CO-OPS) specifications and including CO-OPS costs for incorporating data into CO-OPS systems.</p> <p>Geodetically referenced tidal datums will provide the conversion between ocean and land that is necessary to project return interval type flooding events on local elevation models. By collecting to CO-OPS specifications, the data will also be usable for future sea level rise projections and as output locations for storm surge forecast models which will benefit the community beyond the scope of this project.</p>	U.S. Army Corps of Engineers (USACE) Flood Plain Management Services	Alaska Silver Jackets	
Proposed	Cost-Benefit Analysis for Whole Community Protection-In-Place versus Relocation	Using all projected environmental impacts through 2100, conduct a benefit-cost analysis for whole community protection-in-place versus relocation.	USACE Planning Assistance to States Program (PAS)	Kotlik Village Council	\$455,000
In Progress	Kotlik LiDAR	Collect LiDAR elevation data at Kotlik and surrounding area. LiDAR will be utilized to map previous storm extents at the community and determine the extent of permafrost affected ground.	State of Alaska DNR, DGGS	N/A	Approx. \$30,000

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In Progress	Flood Inundation Risk Assessment	Partner with DGGS to collect baseline flood inundation data (updated orthoimagery and bathymetry), conduct coastal storm and river flood monitoring and seek out historical documentation of flooding, identify parts of the community subject to flooding and characterize the impacts, and complete a flood risk assessment. The funds allocated for the collection of a tidal datum will be repurposed for a land survey to collect first floor elevations of critical infrastructure and homes.	Bureau of Indian Affairs Tribal Resilience Program (FY19)	Village of Bill Moore's Slough	\$142,652
In Progress	Relocation Site Suitability Analysis	This project originally sought to evaluate two potential sites for relocation. However, the Tribal Council of the Village of Bill Moore's Slough has decided to work with BIA to re-scope the grant to focus on hydrodynamic flood modeling, which will occur after the baseline data is collection as part of the Flood Inundation Risk Assessment Project. Revisions are in progress.	Bureau of Indian Affairs Tribal Resilience Program (FY19)	Village of Bill Moore's Slough	\$149,840
Proposed	Community Building Relocation	The Kotlik Village Council requested that the Natural Resource Conservation Service investigate a possible Emergency Watershed Program project due to erosion of the banks of Apoon Pass (as well as other nearby slough channels). In order for NRCS to assist Kotlik, a qualifying event (storm, flood, accelerated erosion) occurs, the community must make a written request within 60 days of the event to NRCS for emergency Watershed Program Assistance and a site must be ready to relocate the threatened structures to.	US Department of Agriculture, Natural Resource Conservation Service, Emergency Watershed Program	Kotlik Village Council	N/A