

Vision Statement

We specialize in combining geomatics, future climates, geodesign, as well traditional/local knowledge and social vulnerabilities to monitor, mitigate, and adapt to environmental changes.

Our work is innovative and proactive. We inform decision-makers of a project's projected environmental impacts, including future monetary and environmental losses and liabilities.

We identify key issues and stakeholder concerns early in the life of a project so that potential adverse impacts can be addressed and mitigated, resulting in resilient communities and sustainable development.

Proud Partnerships



Benefits of Working with a Small Business

One of the great benefits of working with a small business is having a direct line of access to the person in charge.

Working with TBEC offers you direct access to both the lead scientist and owner of the company. We would love to build an amazing connection with your business through hard work and amazing communication.

All the red tape that follows larger companies, is easier to manage while speaking directly to the teams behind the work being produced in a small business. Communication is key, and we take pride in our ability to convey quick responses and answers.

“Your report on Newtok’s environmental risks is an impressive document, from the perspectives of both the climate science and the impacts. It is beautifully laid out, too. I especially like the inclusion of projected changes in heavy precipitation and high-wind events, which go beyond the information normally presented in climate change reports. You are setting the bar high.”

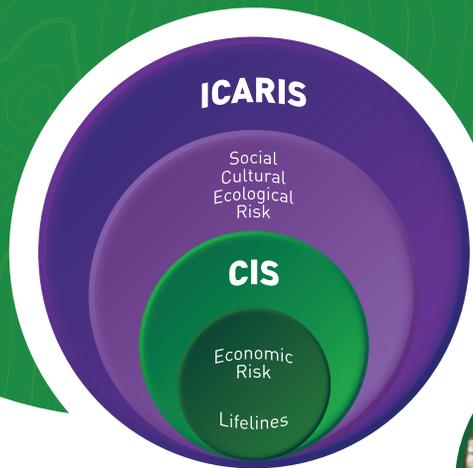
John Walsh,
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Climate Impact Statement

Climate Impact Statements address the impacts of the *environment* on the *asset*. The CIS (green sections in Figure) seeks to minimize failure or damage to existing or new developments, infrastructure, and community lifelines, increasing climate resiliency of the built environment.



Integrated Climate Adaptation & Resiliency Impact Statement

ICARIS evaluates biophysical climate risks and adaptation strategies to reduce social, ecological, and cultural vulnerabilities. ICARIS (purple and green sections in Figure) aids in developing and monitoring risk thresholds.

Services and Solutions

Projected Climate Impacts
 Disaster Planning & Mitigation
 Socioeconomic & Cultural Vulnerabilities
 Integrated Climate Adaptation and Resilience
 Integrated Knowledge Systems
 Actionable Data
 Traditional Ecological Knowledge
 Hazard Assessments
 Community Vulnerability



Unmanned Aerial Vehicles with LiDAR
 Spatial Analysis & GIS
 Erosion Models
 Vegetation Models
 Wildlife Models
 Wildfire / Drought Models
 Field Data Collections
 Desktop Data Collection
 Hydrology Models
 Infrastructure Inspections
 Environmental Risk Models
 Field Data Collections

Environmental Impact Statements
 Fisheries & Wildlife Ecology
 Environmental Assessments
 Agriculture, Forestry, & Vegetation
 Coastal and Riverine
 Environmental Impact Statements
 Marine Ecology
 Health and Sanitation
 NEPA Process
 Subsistence Food
 Wetland Delineations
 Water Quality



Climate Services

We're capable of analyzing and displaying geographically referenced information.



Data Collection & Analysis

Data collection and processing for Land Surveying and Urban Planning, utilizing top of the line drones (UAV) and georeferenced LAS point clouds.



Ecosystem Services, Permitting & Compliance

Data collection and processing for Land Surveying and Urban Planning, utilizing top of the line drones (UAV) and georeferenced LAS point clouds.

