Landscape change and management in the Arctic

E. Jamie Trammell

Ketchikan

Juneau



airbanks

Anchorage

Kodiak

UAA Institute of Social and Economic Research UNIVERSITY of ALASKA ANCHORAGE

SNAP

Alaska Natural Heritage Program Alaska Center for Conservation Science UNIVERSITY of ALASKA ANCHORAGE

0 200 400 800 Kilometers



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Alaska Ecoregional Assessments

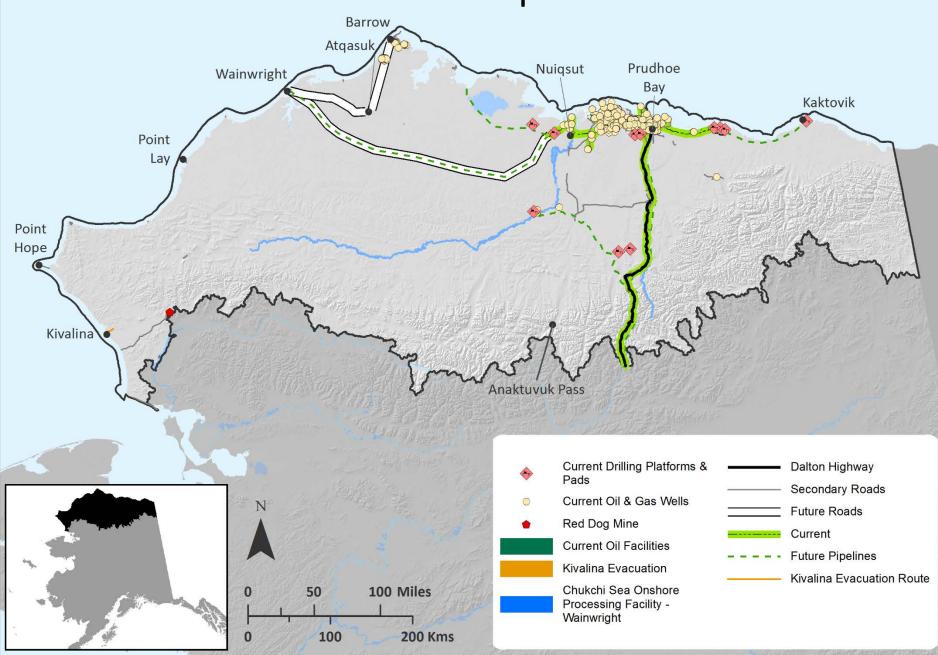
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| Seward Peninsula | |
|------------------|---|
| Yukon Kuskokwim | ſ |

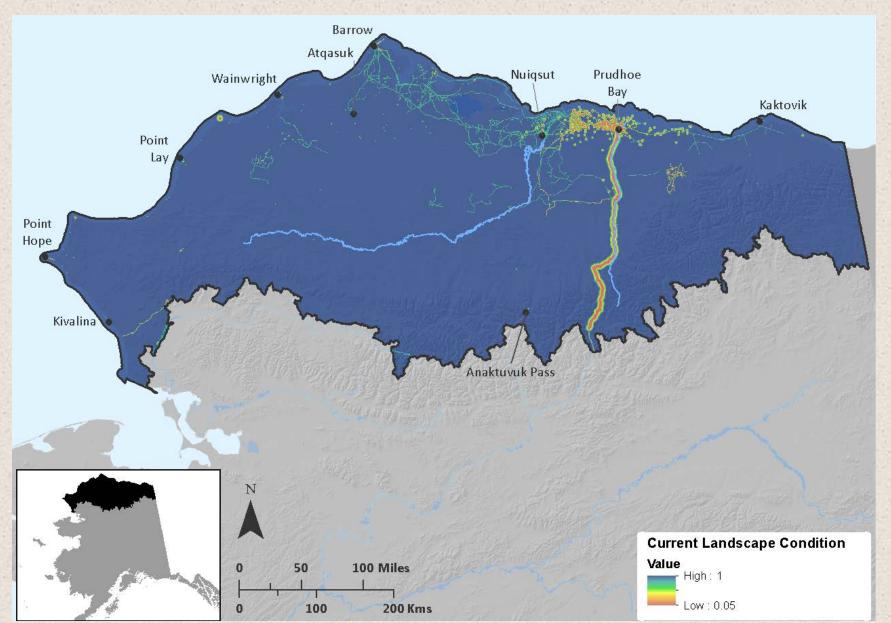


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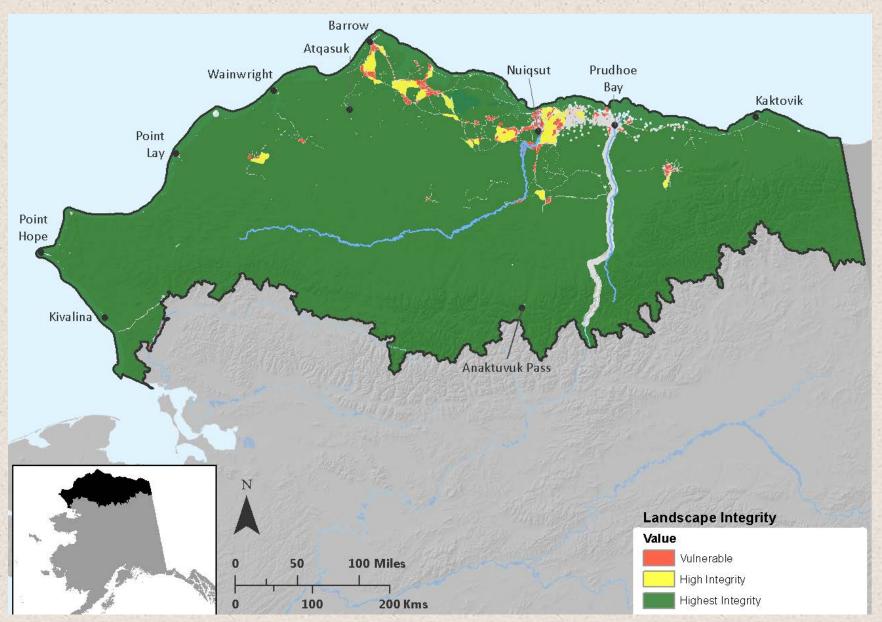
Future human development

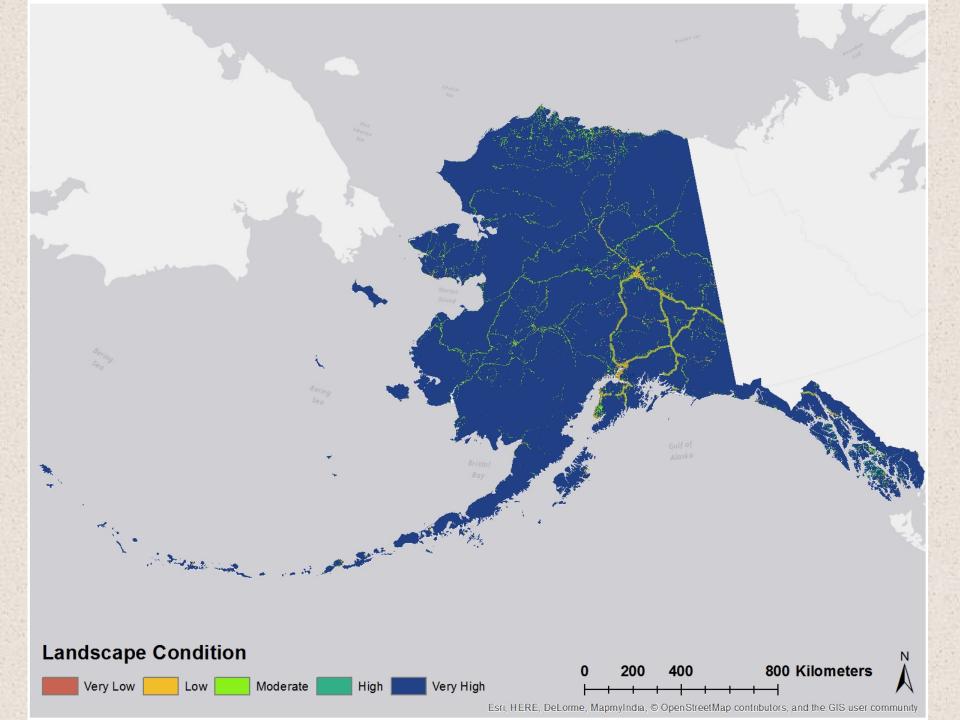


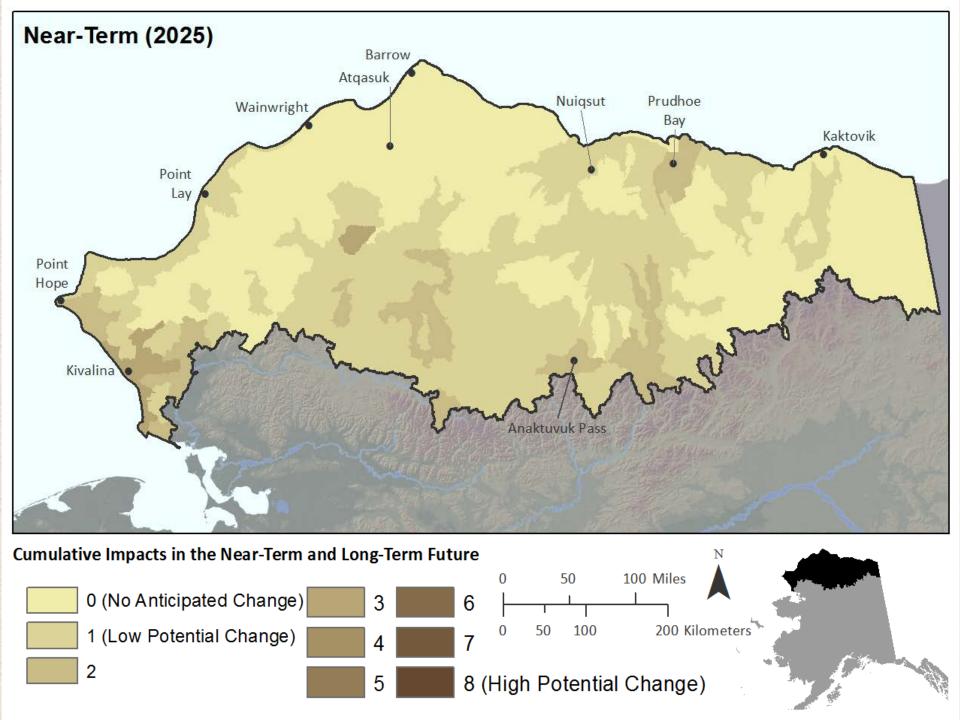
Landscape condition

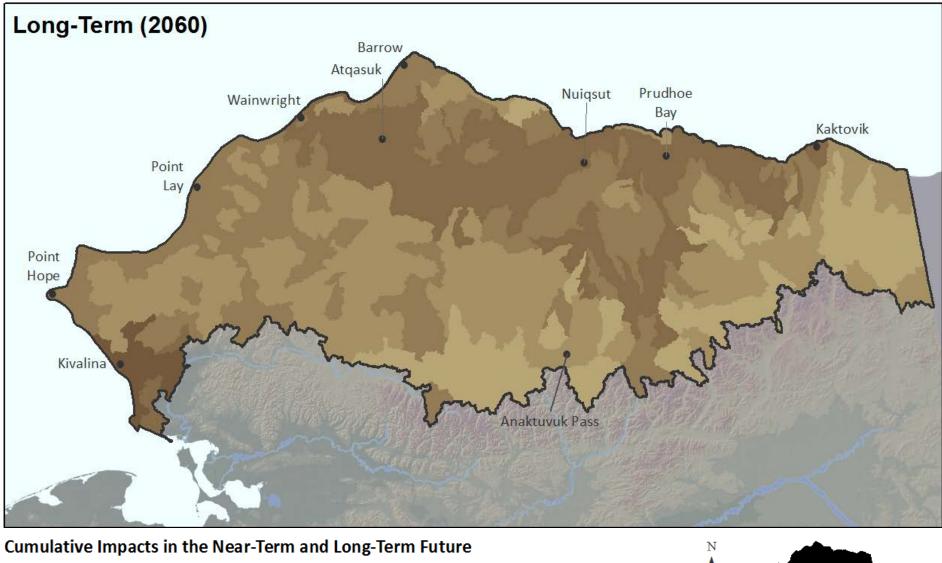


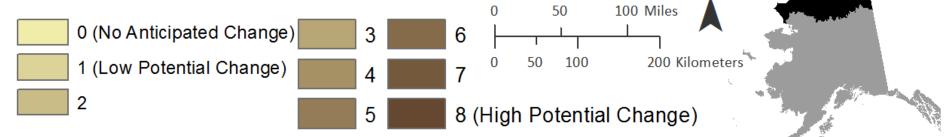
Landscape integrity



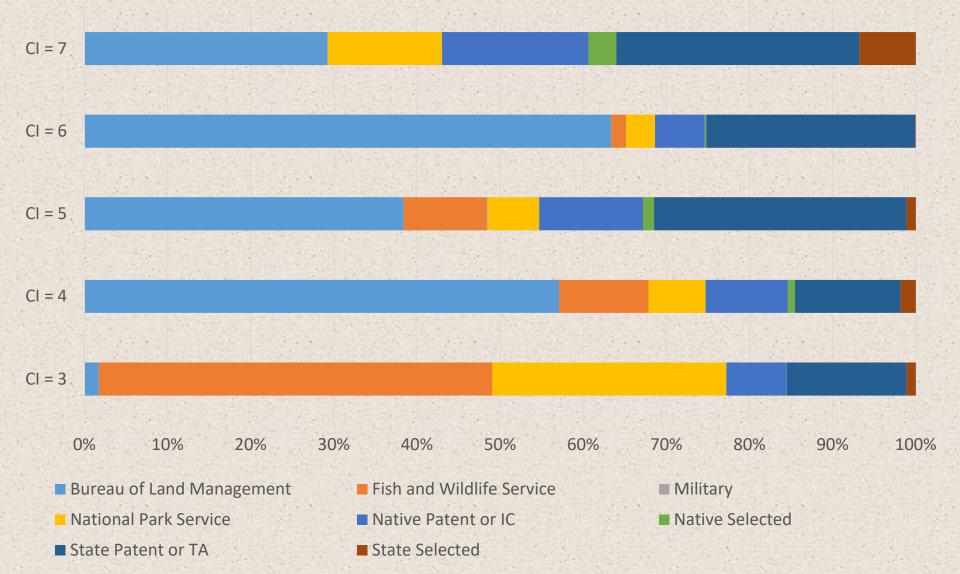




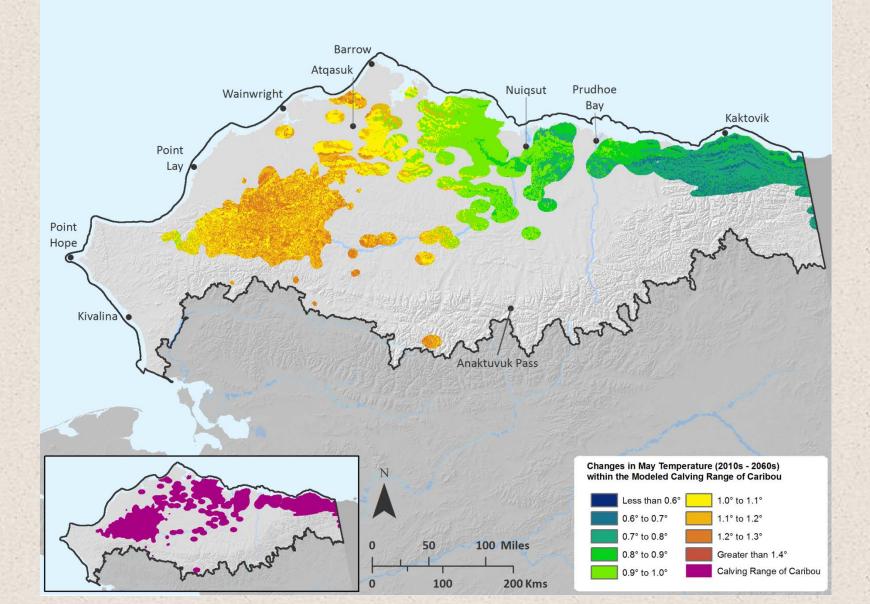




Management implications

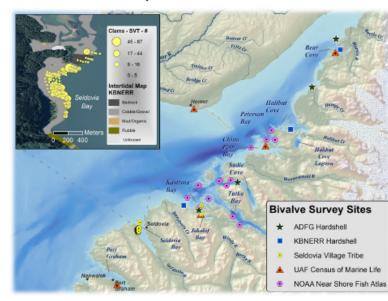


Ecosystem Intactness



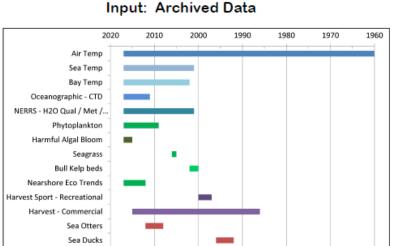
Baseline Habitat Assessment:

By utilizing available information we are in the process of synthesizing landscape-level information needed for the development of bivalve conservation strategies for Kachemak Bay. Specifically, we are creating a continuous physical habitat map of the Bay by harmonizing detailed intertidal zone mapping done by the Research Reserve over the past decade with high resolution subtidal characterizations from NOAA's recent Hydropalooza bathymetric and benthic sampling efforts.



Input: Partner Field Data

Output: Integrated data from multiple sources in a single data frame



Input: Synthesized Bathymetry Data

