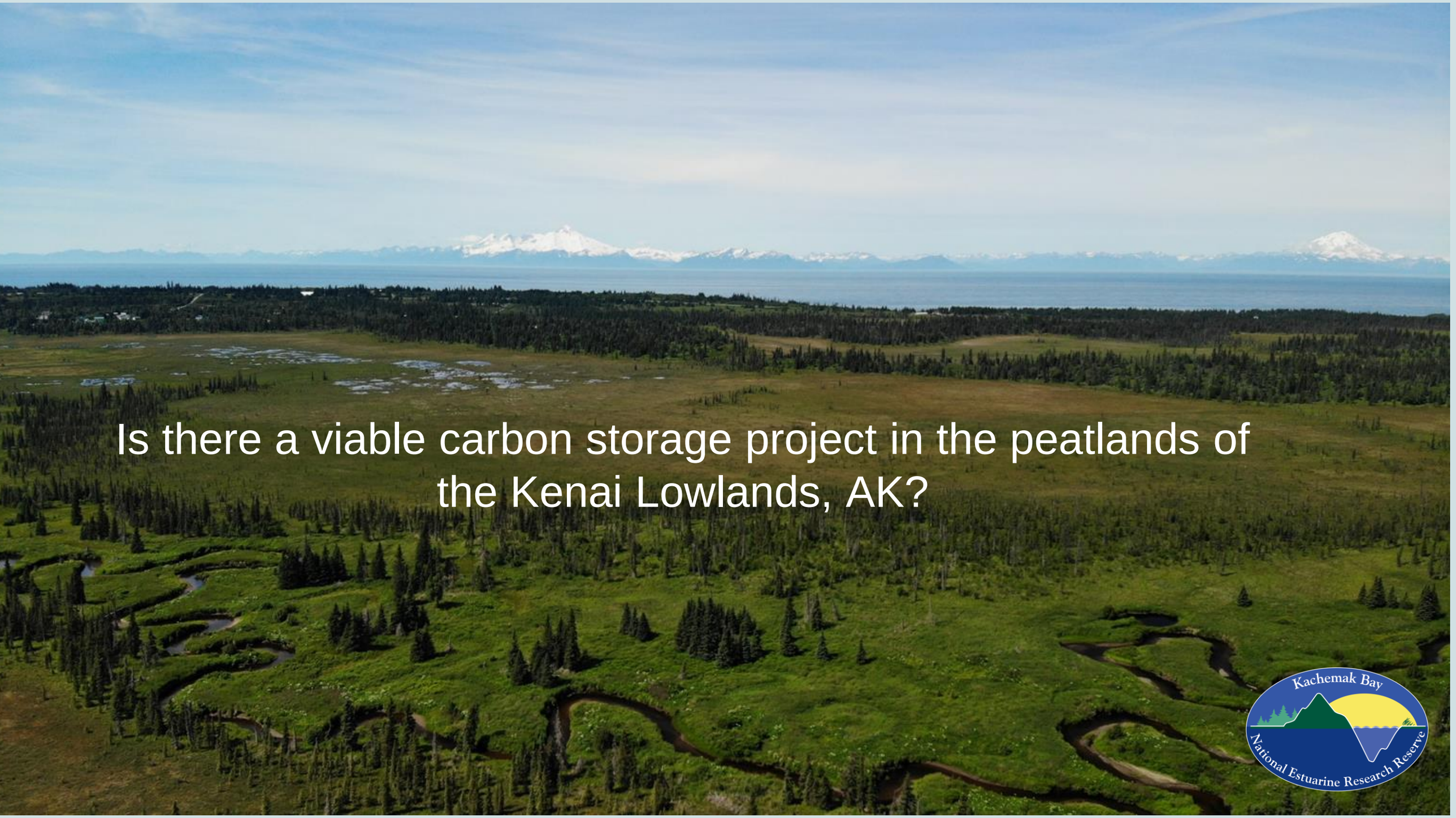

Is there a viable carbon storage project in the peatlands of the Kenai Lowlands, AK?
Kachemak Bay
National Estuarine Research Reserve

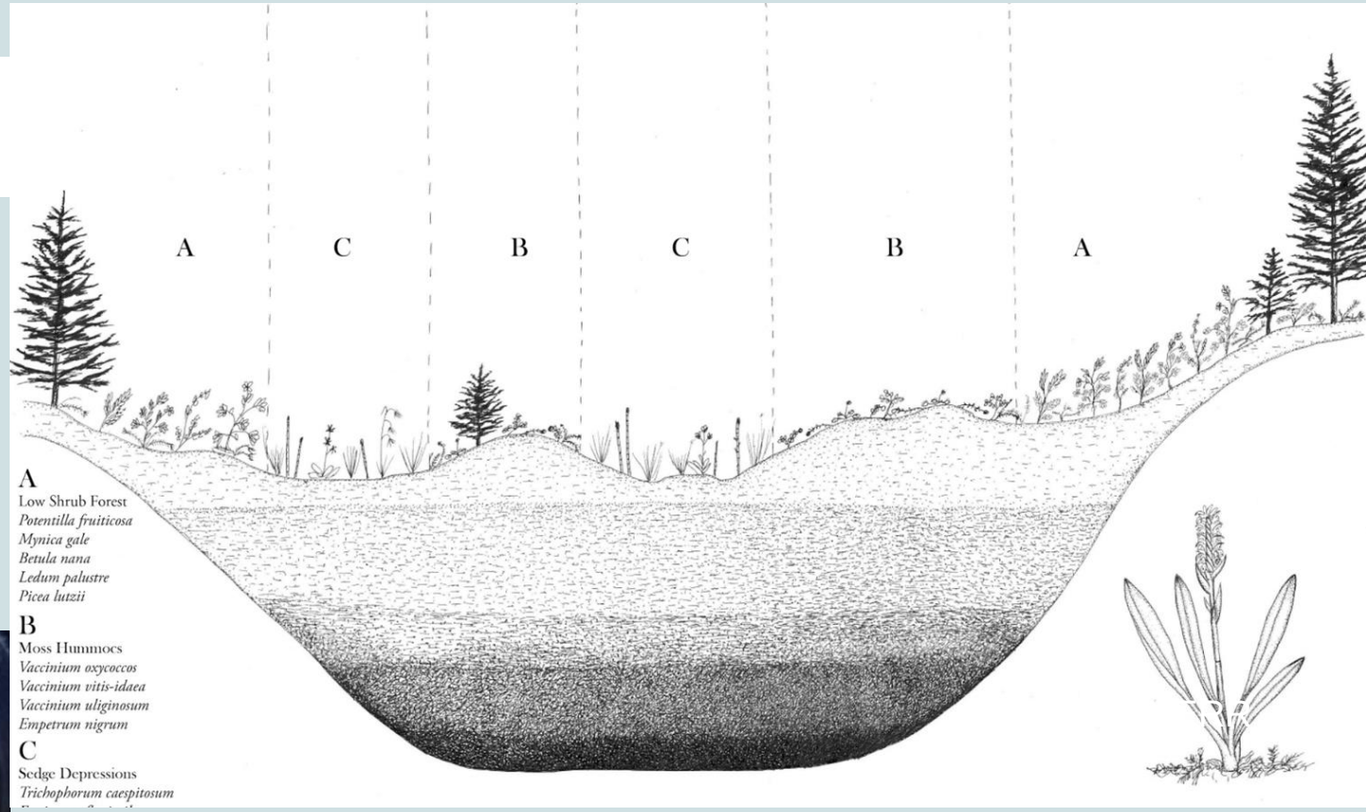
Outline

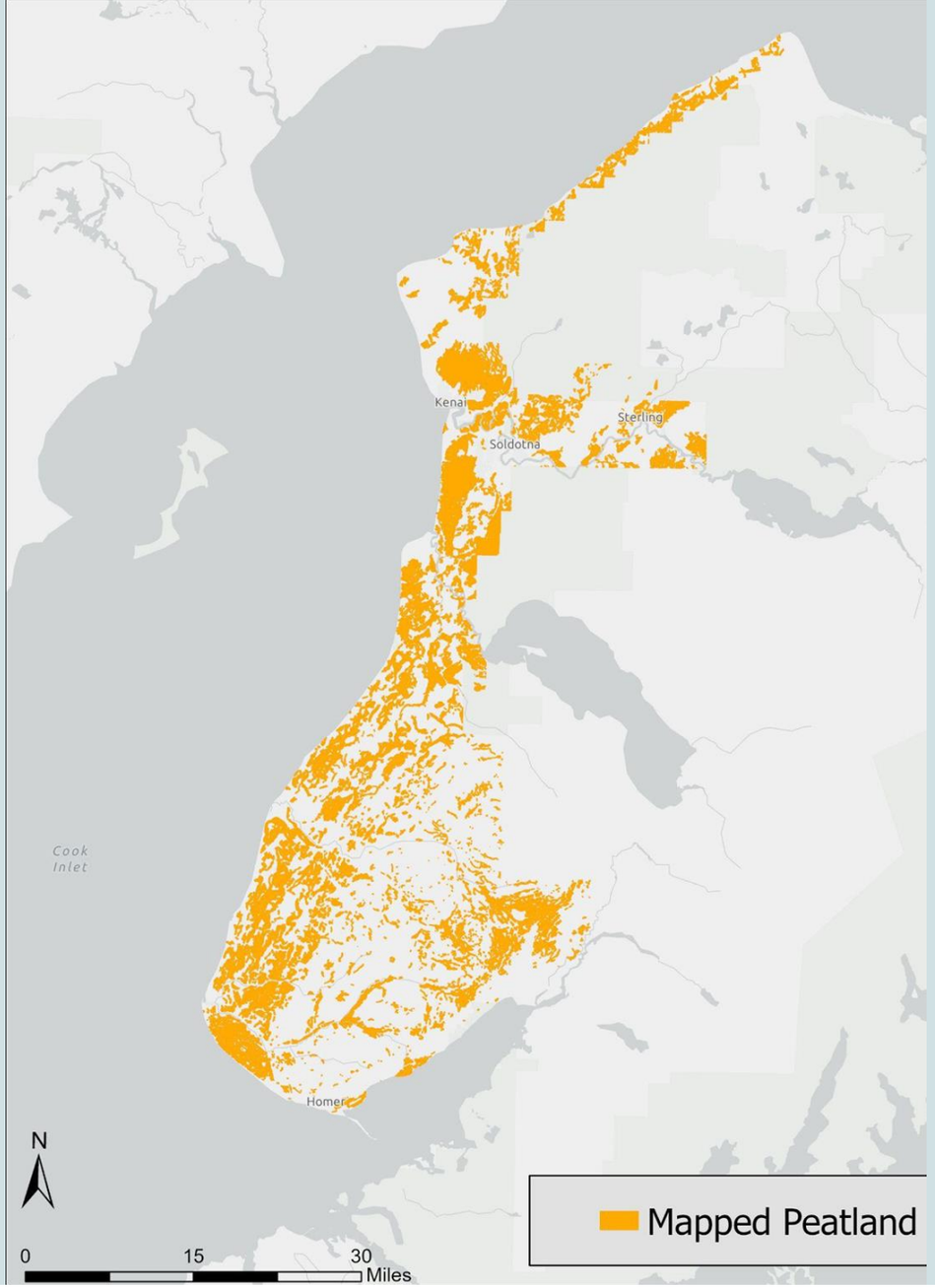
1. Peatland carbon storage complements baby salmon habitat

1. Developing a peatland carbon project

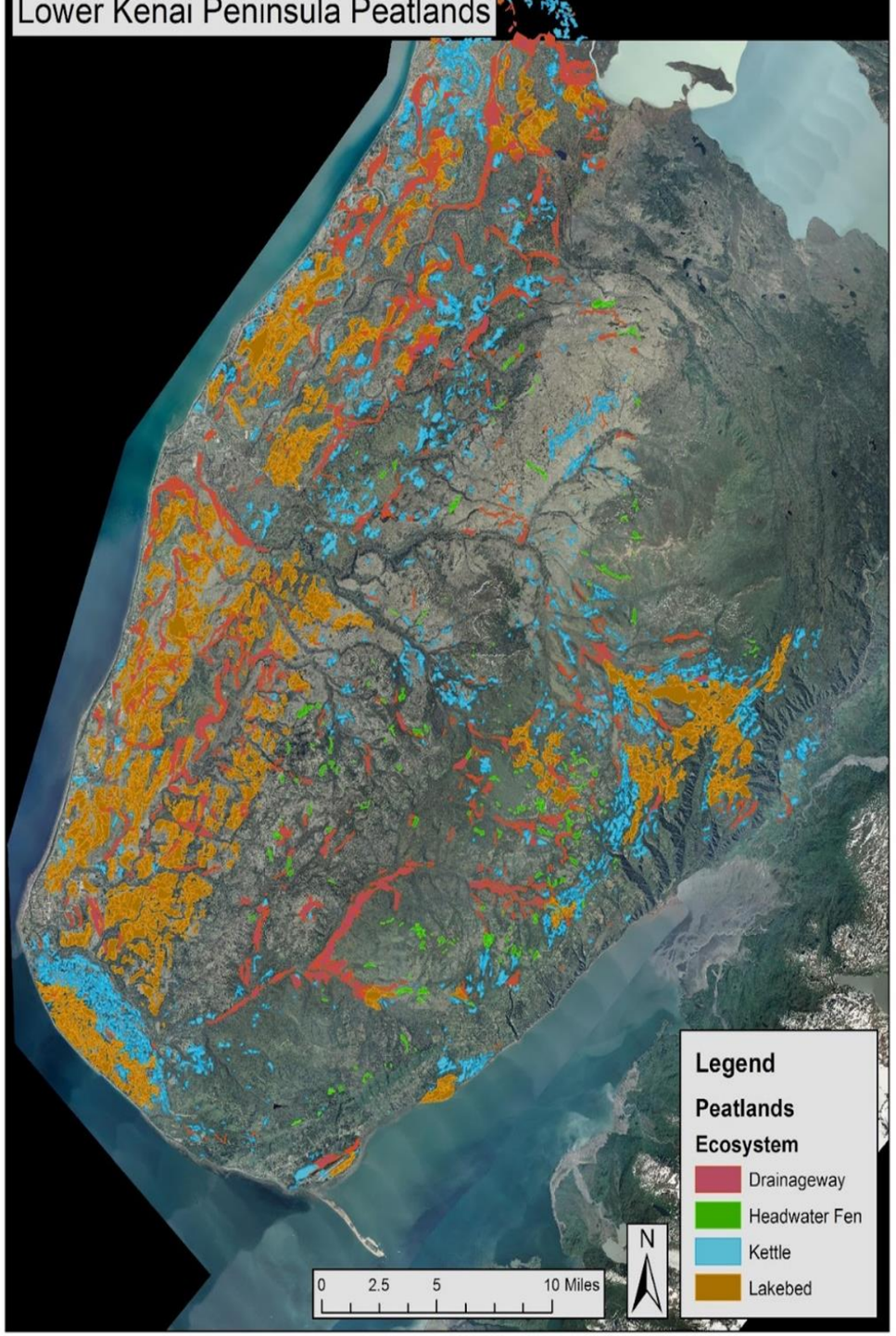
3. Public awareness including students and fishermen

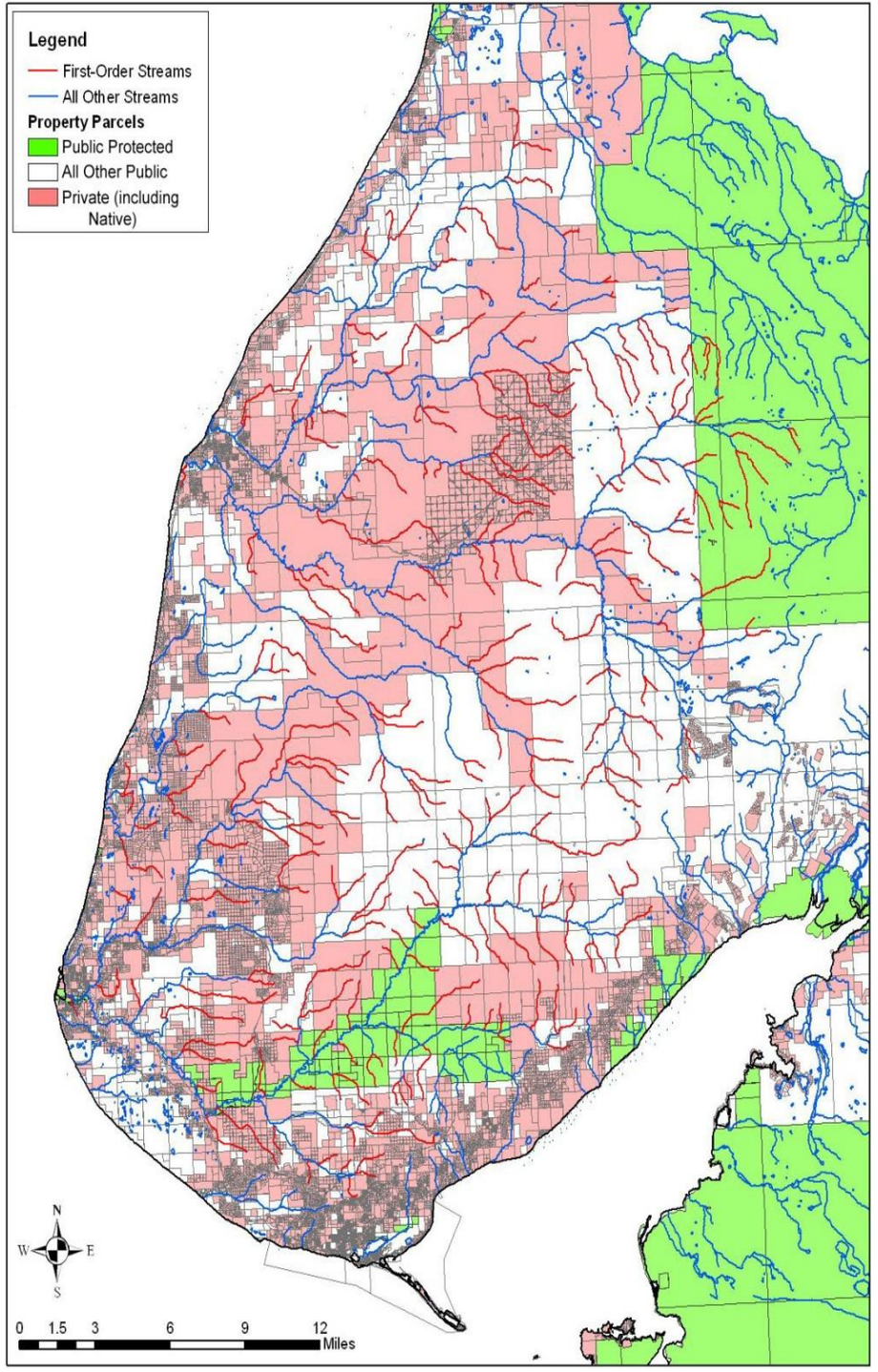
Peatlands have deep layers of undecomposed organic material= carbon





Peatlands throughout the Peninsula are associated with salmon streams





Most peatlands on the Peninsula are in unprotected status

Kenai Lowland salmon depend on peatlands!

Peatlands carbon projects could offer a way to balance conservation & development and protect salmon stream productivity

At this point in time, there is statewide interest in carbon project development.

It's good timing to be looking into the viability of peatlands as a carbon storage project on the Peninsula.

Creating a Carbon Project

Process

- Determine peat amount, carbon content, sequestration rates, monitoring protocols
- Develop Pilot Projects
- Work with willing landowners such as KPB and gravel mining companies
- Register on the world carbon market

Pilot project idea 1: considering a project to avoid gravel extraction in sensitive peatlands -pay not to dig-

Pilot project idea 2: beavers as agents to keep peatlands wet

Public awareness Citizen Science opportunities

Peatland-salmon connection education programs

Fish Need Land (peatlands) Too field trips
KBNERR and KHLT

Planning for the future of people and salmon through peatland conservation