

SEARCH REGION BY SOIL TYPE

SHISHMAREF RELOCATION STUDY



BARRIER ISLAND

Barrier Islands consist of SAND that is subject to erosion from coastal storms but can be protected by known engineering techniques involving placement of heavy protective rock barriers. Once placed, rock barriers require regular, ongoing maintenance.



COASTAL LOWLAND

Coastal Lowlands consist of melting PERMAFROST transitioning from ice to water. Areas that have melted are low and wet while those that haven't, but are in the process of melting, appear as hummocky hills underlain by ice rich soil and ice lenses. Dry lakebeds are the only other known soils condition and drilling is required to confirm if ice underlies these areas. Construction is prone to settlement and may be possible in areas of minimal ice content using large amounts of deep gravel fill.



EAR MOUNTAIN UPLAND

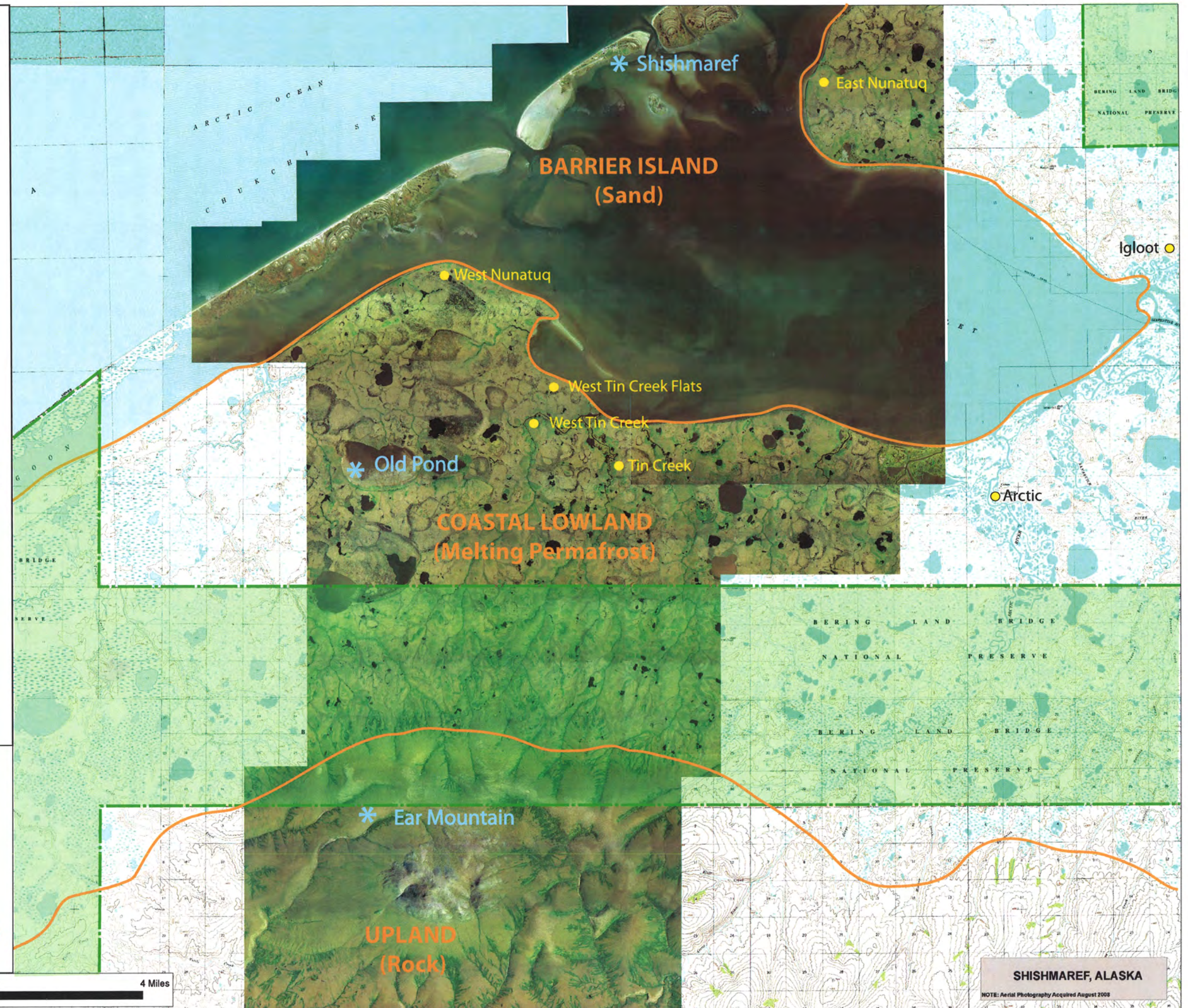
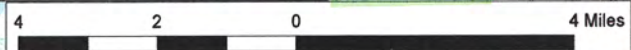
Upland areas occur at higher elevations where ROCK is the characteristic soil type. These areas contain mild to moderate slopes, are dry and well drained but distant from the coast.

Legend

- Discounted Sites
- ✱ Constructable or Potentially Constructable Sites (Not Yet Discounted)
- Bering Land Bridge National Preserve
- ~ Limit of Soil Region



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SHISHMAREF, ALASKA
NOTE: Aerial Photography Acquired August 2008