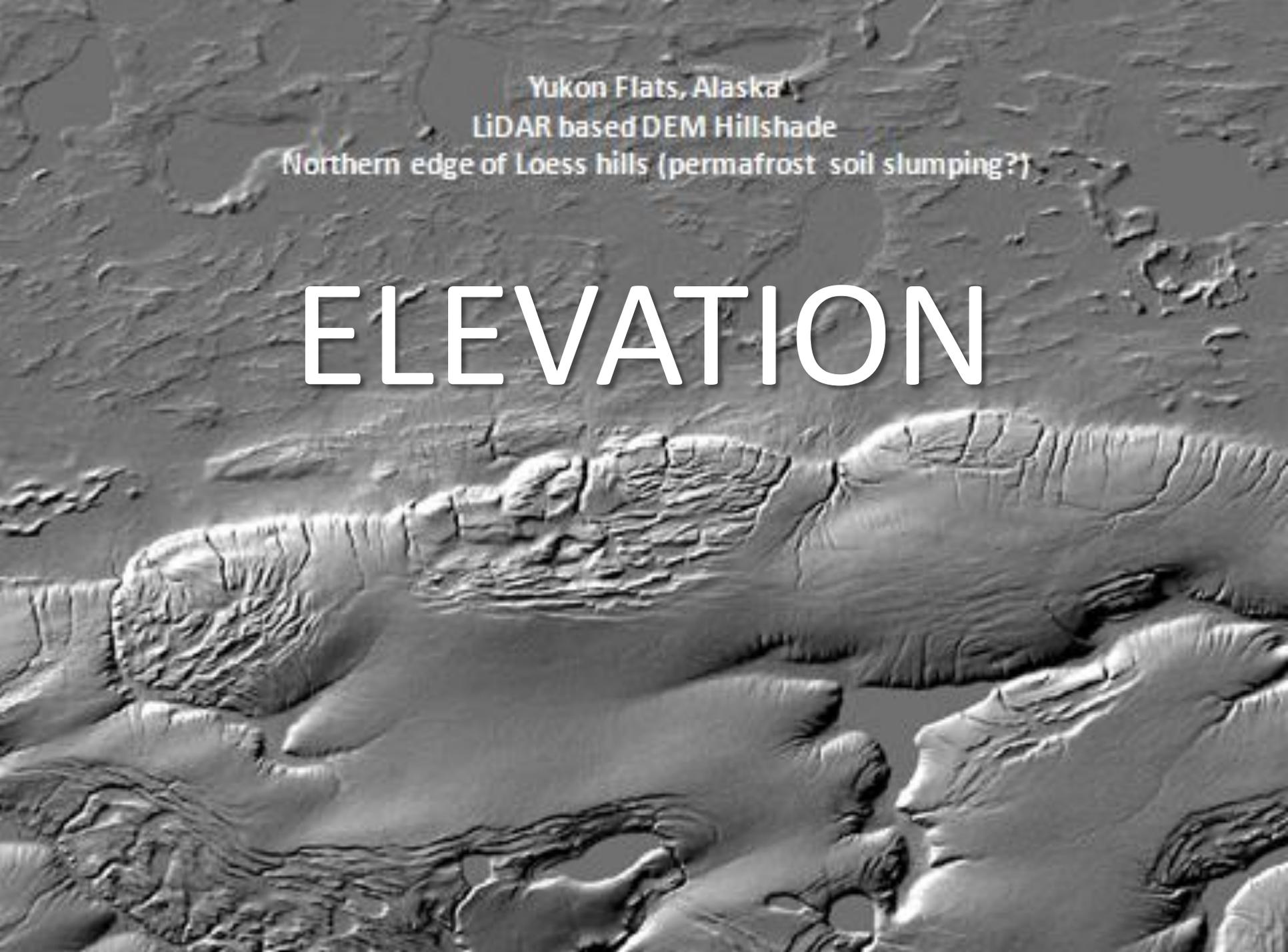


A satellite image showing a coastal town with a blue bay and dark, rugged mountains in the background. The text 'SATELLITE IMAGERY' is overlaid in white.

SATELLITE IMAGERY

Yukon Flats, Alaska
LiDAR based DEM Hillshade
(Northern edge of Loess hills (permafrost soil slumping?))

ELEVATION



Digital Elevation Acquisitions

- **FY 2004-2010 NRCS funded Digital Elevation acquisition for \$11,000,000.**
- **FY 2010 NRCS (NHQ/State Offices) funded Digital Elevation for \$5,000,000 via USGS-MCMC and USACOE.**
- **Some NRCS State Offices have suggested that Higher Resolution Digital Elevation (LiDAR/IfSAR) is a higher priority than Orthoimagery.**
- **\$40-50M will be spent in 2011 on elevation acquisition, with the primary players being FEMA, NRCS, USGS, NGA, COE, and several other agencies.**
- **Nobody is acquiring anything other than LiDAR in the lower 48 states. IfSAR will be collected in AK and potentially other locations outside of the lower 48.**
- **There are many acquisitions in the lower 48 right now, most of which are smaller project areas related to watersheds, special events, urban areas, shorelines, etc.**

EMERGENCY IMAGERY



History of Emergency Response Efforts

- Over the last several decades, NOAA has assisted with recovery from a variety of natural and human induced disasters, including:
 - March 27, 1964: On Good Friday, Alaska was struck by an earthquake and tsunami.
 - Hurricanes: Camille (1969), Celia (1970), and Frederick (1979).
 - February 1978: Nor'easter damage along the New England coastline.
 - Oil Spills: breaking up and sinking of the Texaco Oklahoma (1971) and the Campeche Bay oil spill (1979).

Historical Hurricane Response



Hurricane Camille (1969)



Hurricane Celia (1970)

Recent Emergency Response



Emergency Response Imagery

- Deepwater Horizon Oil Spill (2010)
- Haiti Earthquake (2010)
- Nor'easter (2009)
- Hurricane Ike (2008)
- Hurricane Gustav (2008)
- Hurricane Humberto (2007)
- Tropical Storm Ernesto (2006)
- Hurricane Wilma (2005)
- Hurricane Rita (2005)
- Hurricane Ophelia (2005)
- Hurricane Katrina (2005)
- Hurricane Dennis (2005)
- Hurricane Ivan (2004)
- Hurricane Jeanne (2004)
- Hurricane Isabel (2003)