

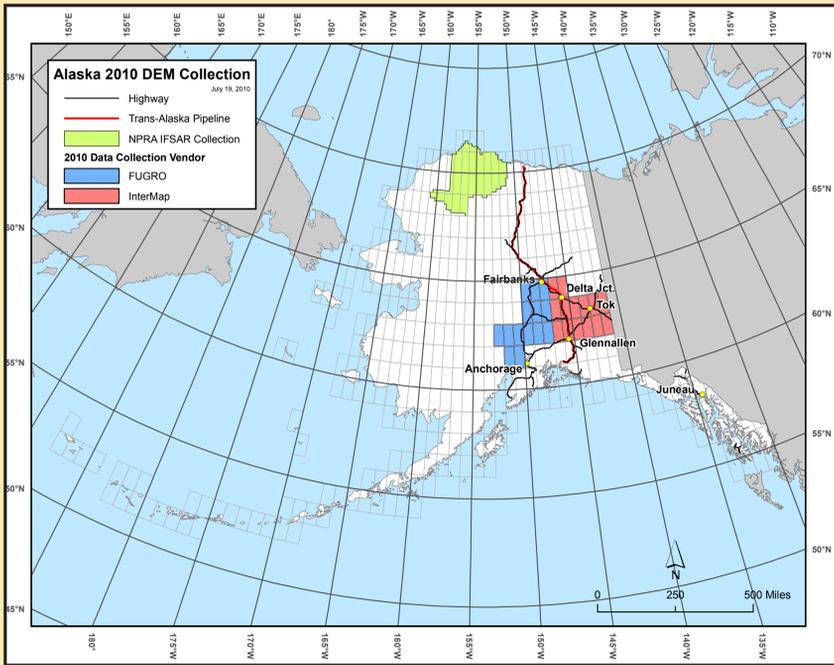
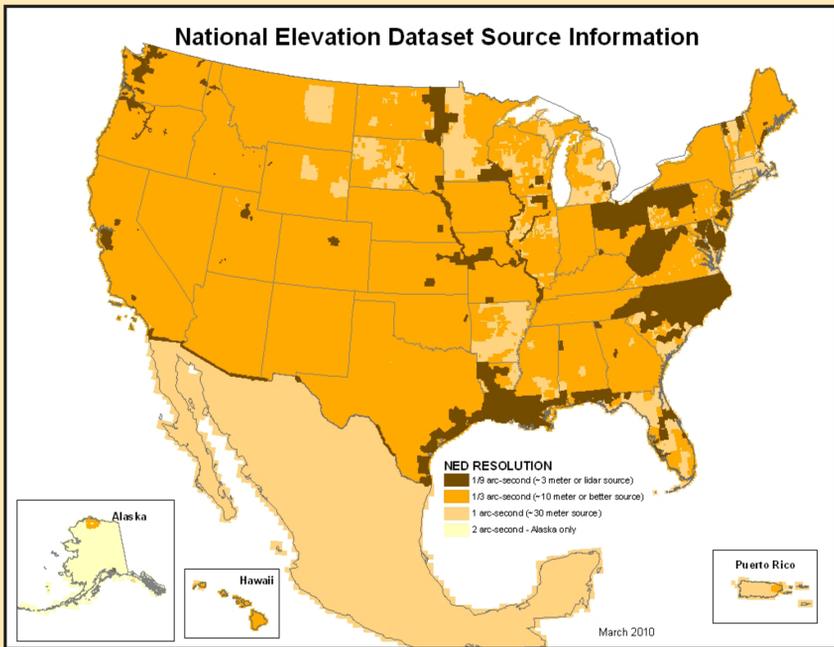


# Statewide Digital Mapping Initiative

## SKY-BREAKING CEREMONY DIGITAL ELEVATION MODEL

### HOW DOES ALASKA MEASURE UP?

AK has the poorest elevation data in the nation and North America



**Digital Elevation Model Product Comparison with National Hydrography Dataset**

**PRODUCT COMPARISON**

### Deliverables

#### IFSAR DELIVERABLES 157,000 Square Kilometers 2010

The DEM White Paper produced by Dewberry Engineering proposed the technical solution for mapping Alaska – airborne IFSAR which utilizes synthetic aperture radar (SAR) technology. IFSAR is all weather, operates 24/7, and maps through clouds at an accuracy that satisfies all statewide requirements identified in the 2008 Alaska DEM Whitepaper sponsored by the Alaska Statewide Digital Mapping Initiative (SDMI). Three major types of IFSAR deliverables will be provided in the 2010 pilot project currently funded by multiple stakeholders: (1) a Digital Surface Model (DSM) of the top reflective surface, including tree tops and rooftops, (2) a hydro-enforced Digital Terrain Model (DTM) of the bare-earth terrain beneath the trees, and (3) ortho-rectified radar imagery (ORI)

