



Alaska Geospatial Council

2018 Alaska Coastal Mapping Summit

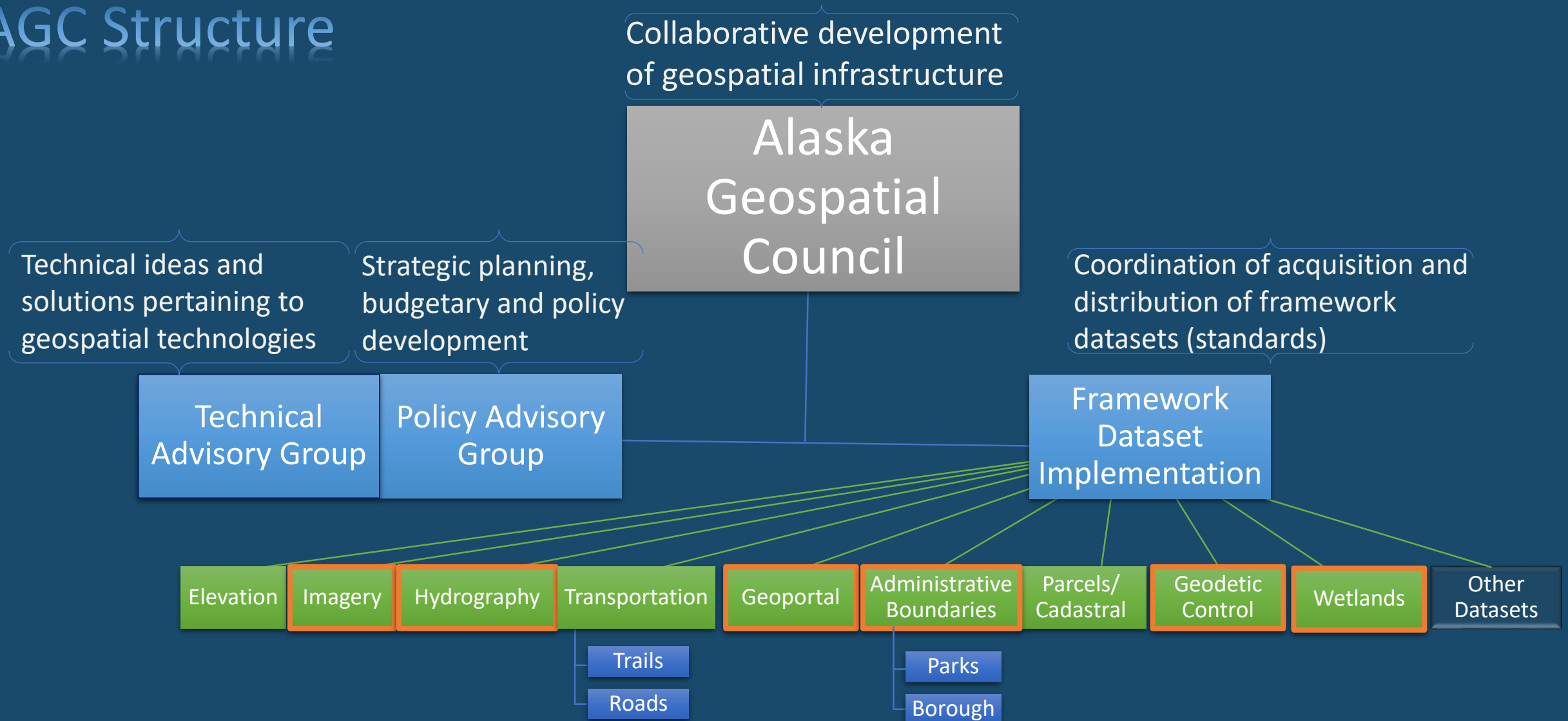
February 9, 2018

Ken Woods, System Administrator, SOA/DNR/DGGS

AGC Members and Technical Representatives

Agency	Delegate/Alternate	Technical Advisor(s)
Alaska Dept. of Natural Resources	Steve Masterman, State Geologist	Anne Johnson
Alaska Dept. of Transportation and Public Facilities	Commissioner Marc Luiken	Gerry Remsberg
Dept. of Military and Veteran's Affairs	Commissioner Brig. Gen. Laurel Hummel; Mike O'Hare alternate	Dave Caplan
Dept. of Fish & Game	Commissioner Sam Cotton; David Rogers alternate	Jason Graham
Dept. of Commerce, Community & Economic Development	Commissioner Chris Hladick; Fred Parady alternate	George Plumley
Dept. of Environmental Conservation	Commissioner Larry Hartig; Alice Edwards alternate	Jason Seifert
University of Alaska Geophysical Institute	Director Robert McCoy	Lisa Wirth
USGS	Steve Wackowski, Alaska DOI liaison	Brian Wright
NOAA	Amy Homan	Nicole Kinsman
USDA-NRCS	Bob Jones	Sydney Thielke
ANCSA Regional Association	Mischa Ellanna	
Alaska Municipal League	Eric Wyatt	Matt Rykazewski

AGC Structure



Working Groups: develop strategic plans and implementation plans for data acquisition, maintenance and distribution, set data standards, and define data models. Additional working groups and subgroups can be deployed as needed. Orange border indicates groups with approved charters.

2017 Accomplishments

- Active, chartered technical working groups identifying existing data and authoritative data sources for framework themes
- Coastal Strategist position NOAA/DNR/AOOS jointly funded (and filled!) for 2018
- Data Distribution & Access
 - Elevation
 - <http://elevation.alaska.gov> 259.71GB downloaded per day. **94.794TB total**
 - 539,425 square miles of ifsar, lidar, and SfM data available for download via map interface
 - AK hydro
 - State hydrography layer used to inform the National Hydrographic Dataset with high-resolution updates hosted at AK DNR
 - Imagery
 - 14M data requests from 1,487 unique users for the first 6 months of service starting in April 2017--Demand is growing exponentially

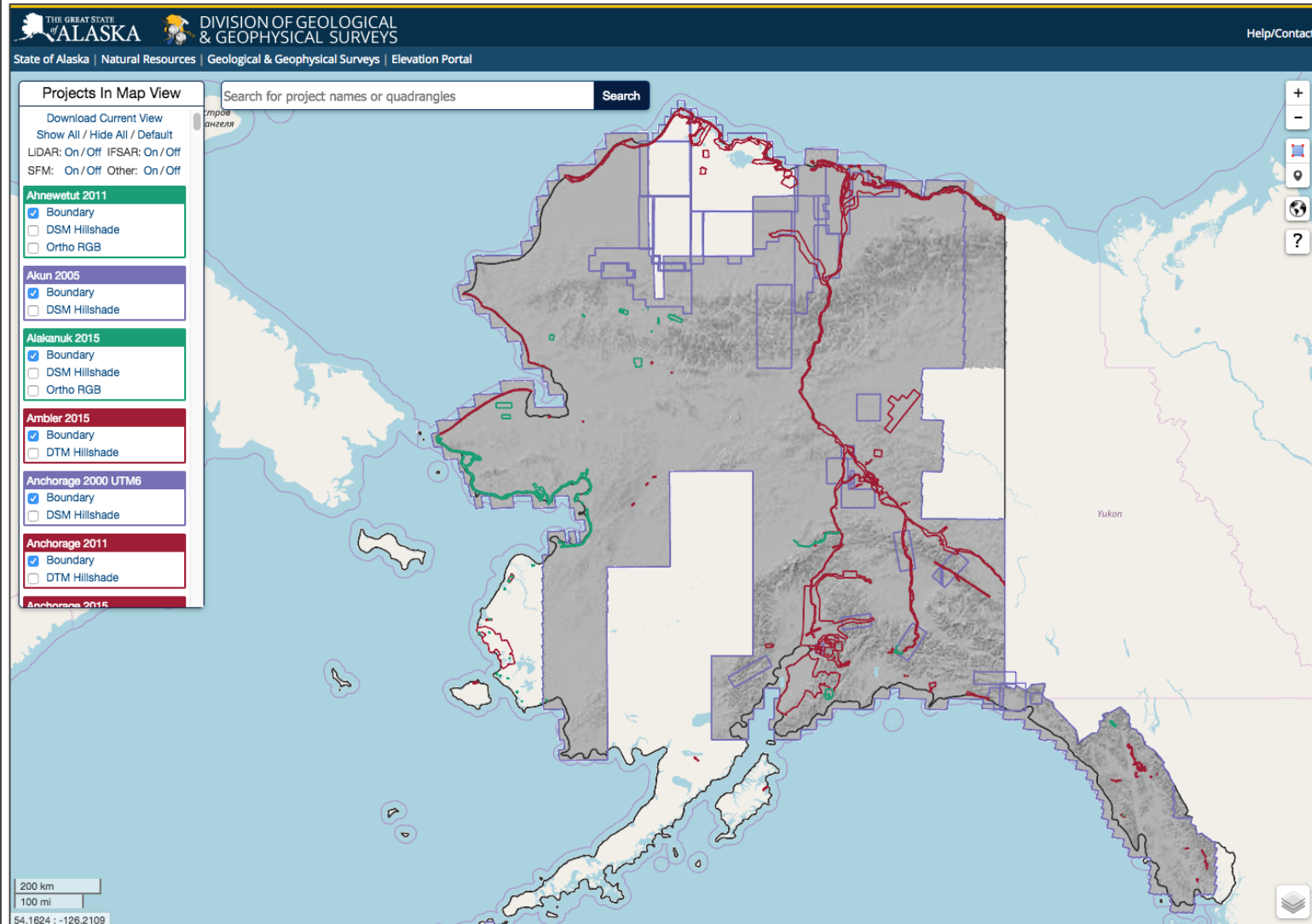
1. Elevation

~92%

(funded)

Chris Noyles, BLM

Ken Woods, DNR/DGGS



<http://elevation.alaska.gov>

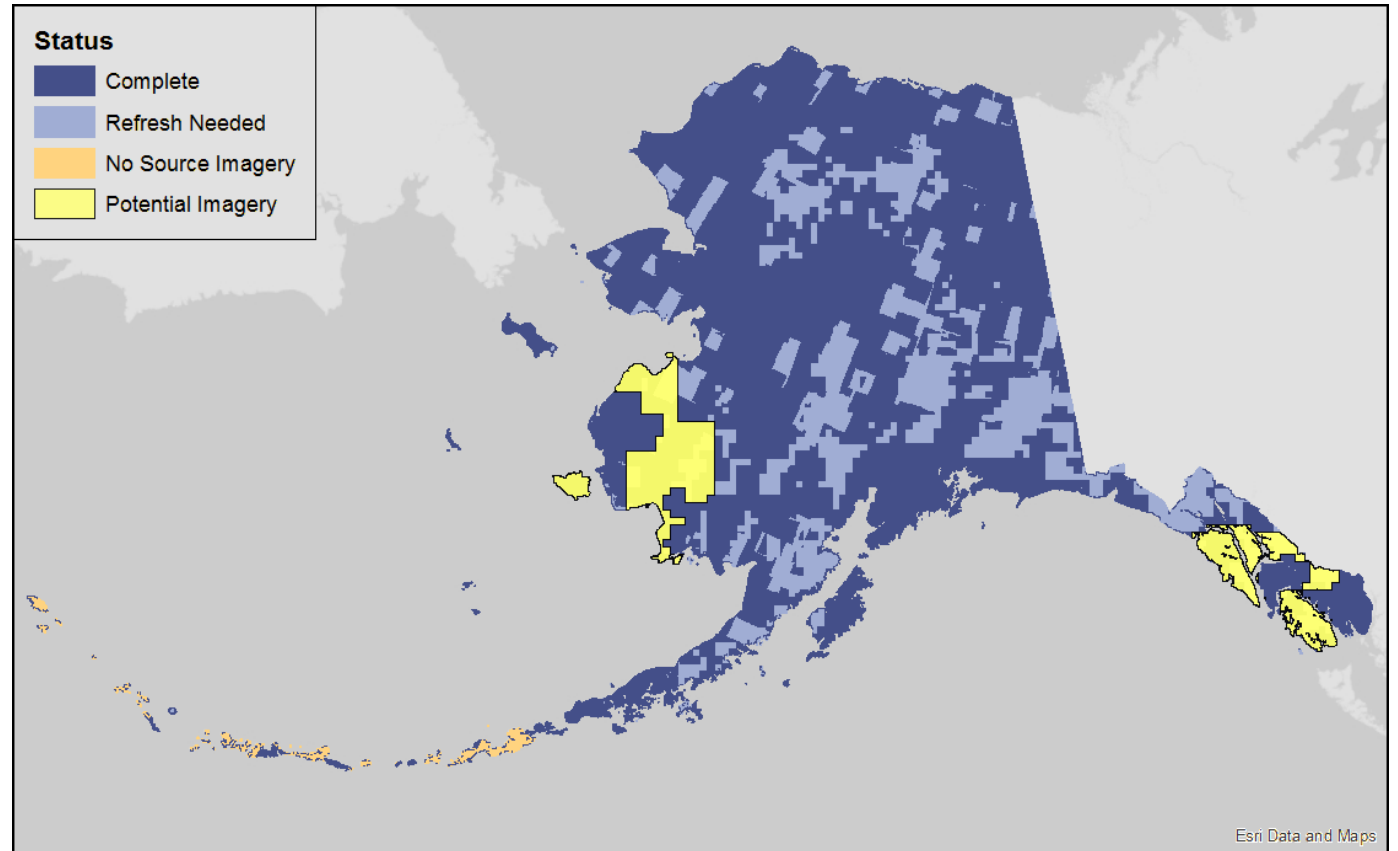
2. Imagery

72%

Sydney Thielke, USDA-NRCS

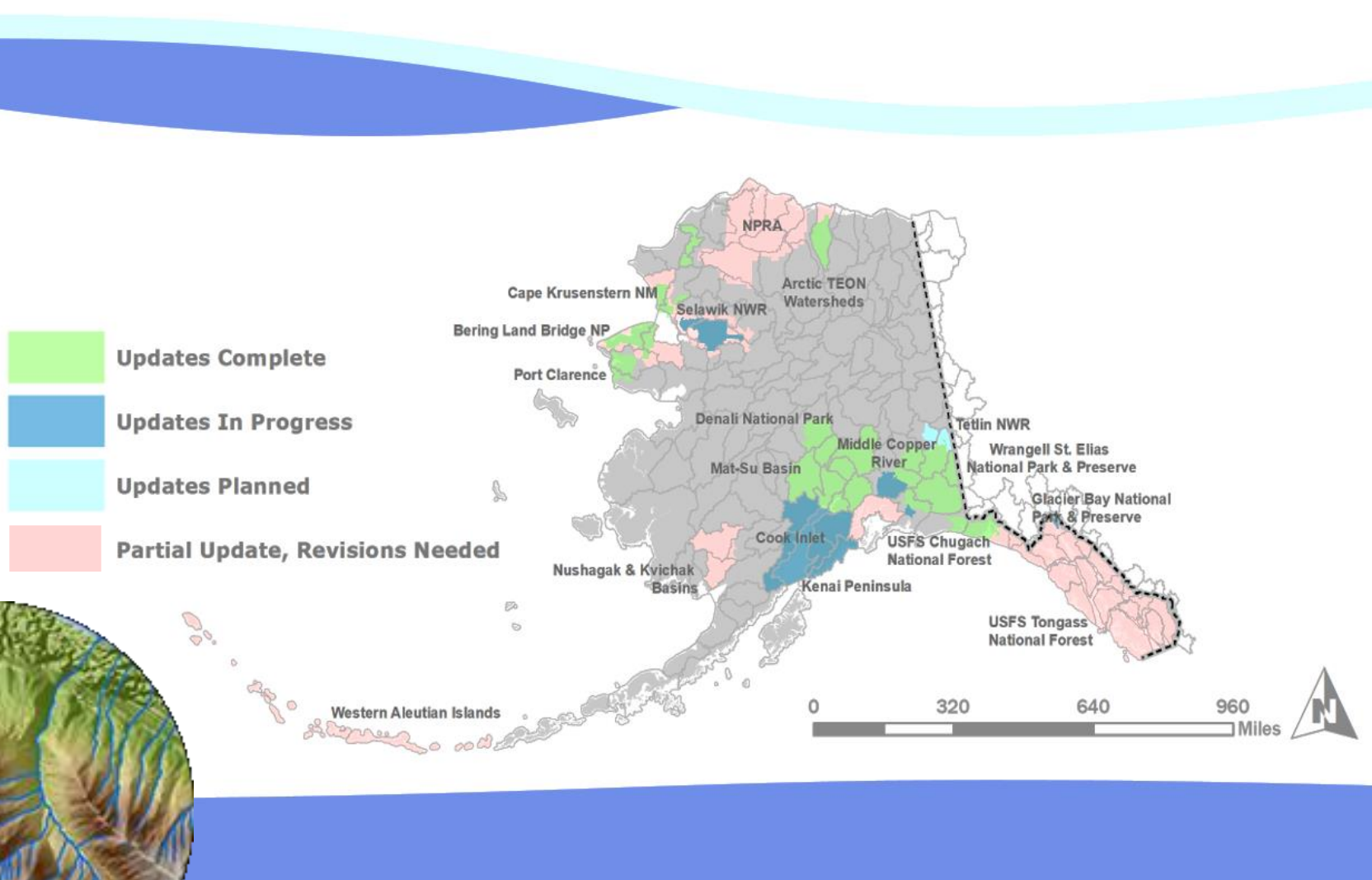
Parker Martyn, NPS

Dayne Broderson, UA



3. Hydrography

22%



4. Wetlands

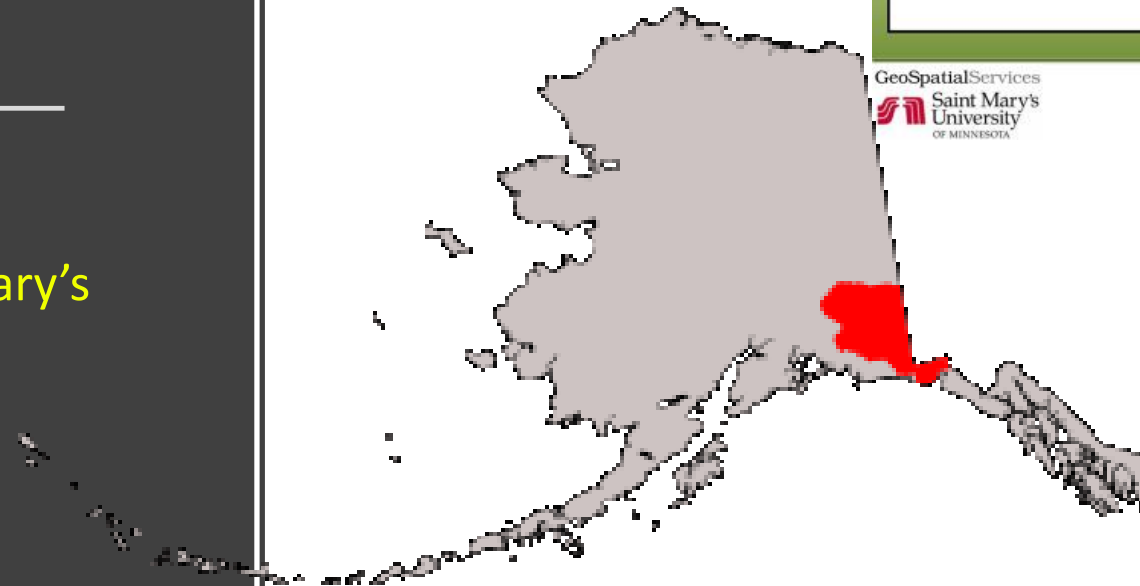
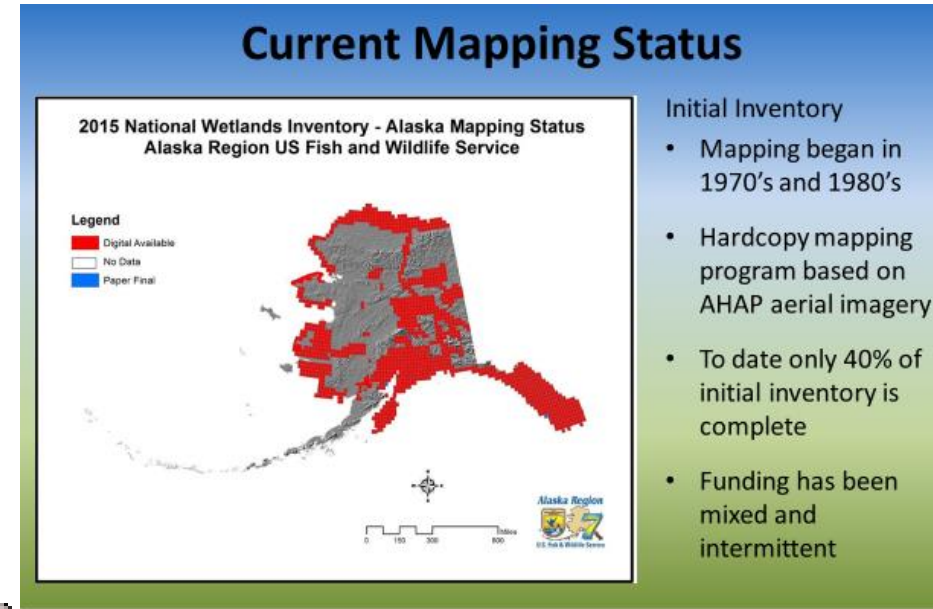
5%

Jason Seifert, DEC

Andy Robertson, St. Mary's
University

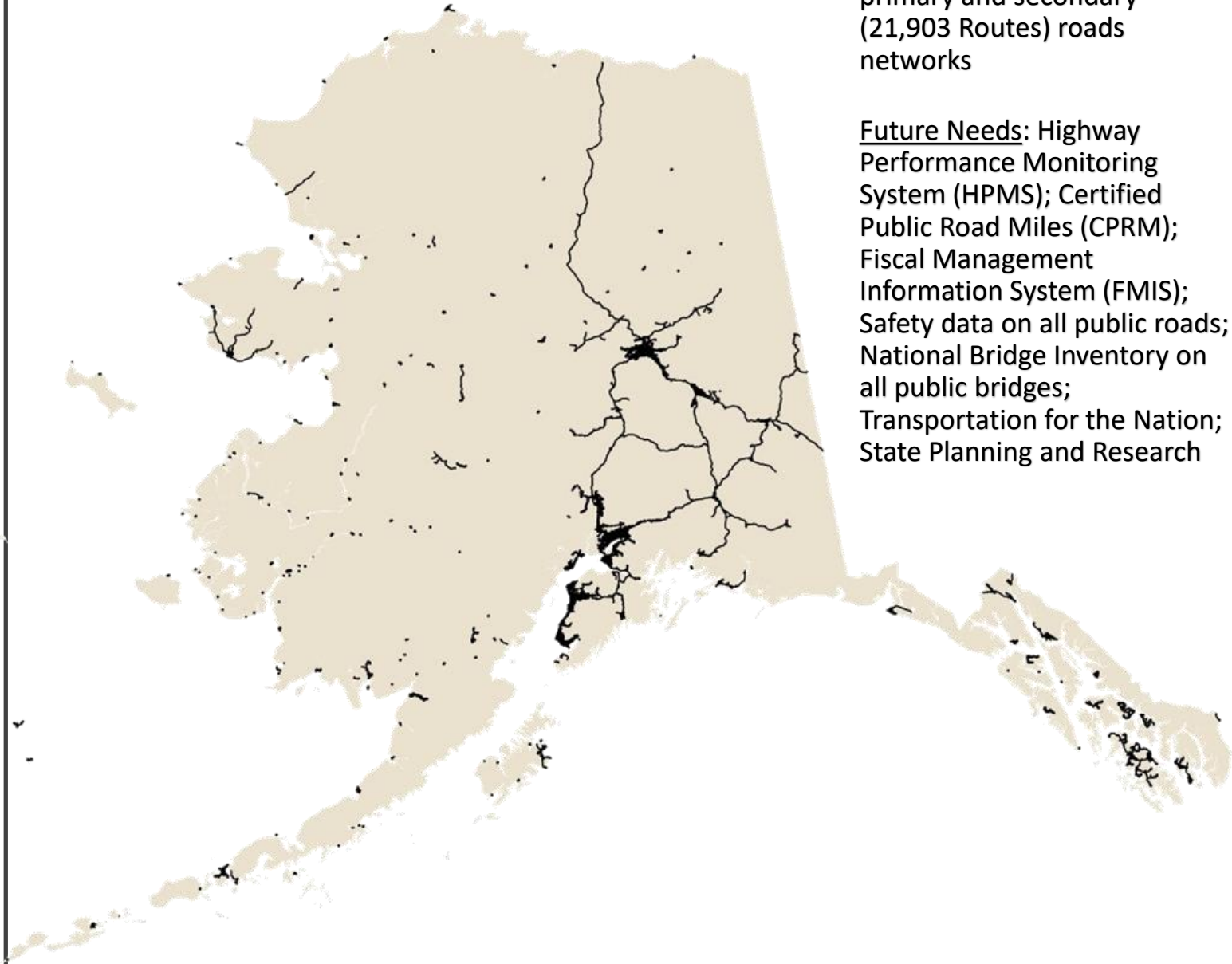
Inventory of existing
data: 40% complete

High-resolution updates
complete for Wrangell-
St. Elias National Park



5. Transportation Roads 100%

Brian Wright, USGS



Completed to date: 100%
primary and secondary
(21,903 Routes) roads
networks

Future Needs: Highway
Performance Monitoring
System (HPMS); Certified
Public Road Miles (CPRM);
Fiscal Management
Information System (FMIS);
Safety data on all public roads;
National Bridge Inventory on
all public bridges;
Transportation for the Nation;
State Planning and Research

6. Administrative Boundaries

unknown %

Carrie Marvel, AKDNR



Examples:

ANCSA boundaries

city limits

coastal zone boundary

designated scenic areas

drinking water protection areas

election districts

emergency communications districts

federal agency organizational boundaries

fire management zones

fish management districts

forest protection districts

health districts

highway lighting districts

national memorials, parks, scenic areas, etc.

national forest boundaries

natural hazard regions

neighborhood associations

oil spill geographic response areas

park and recreation districts places

rural fire protection districts

sanitary districts

school districts

service districts

shellfish management program areas

soil & water conservation districts

soil water conservation district zones

special road districts

state agency administrative subdivisions

state boundary

state forest boundaries

state park boundaries

transportation districts

voting precincts

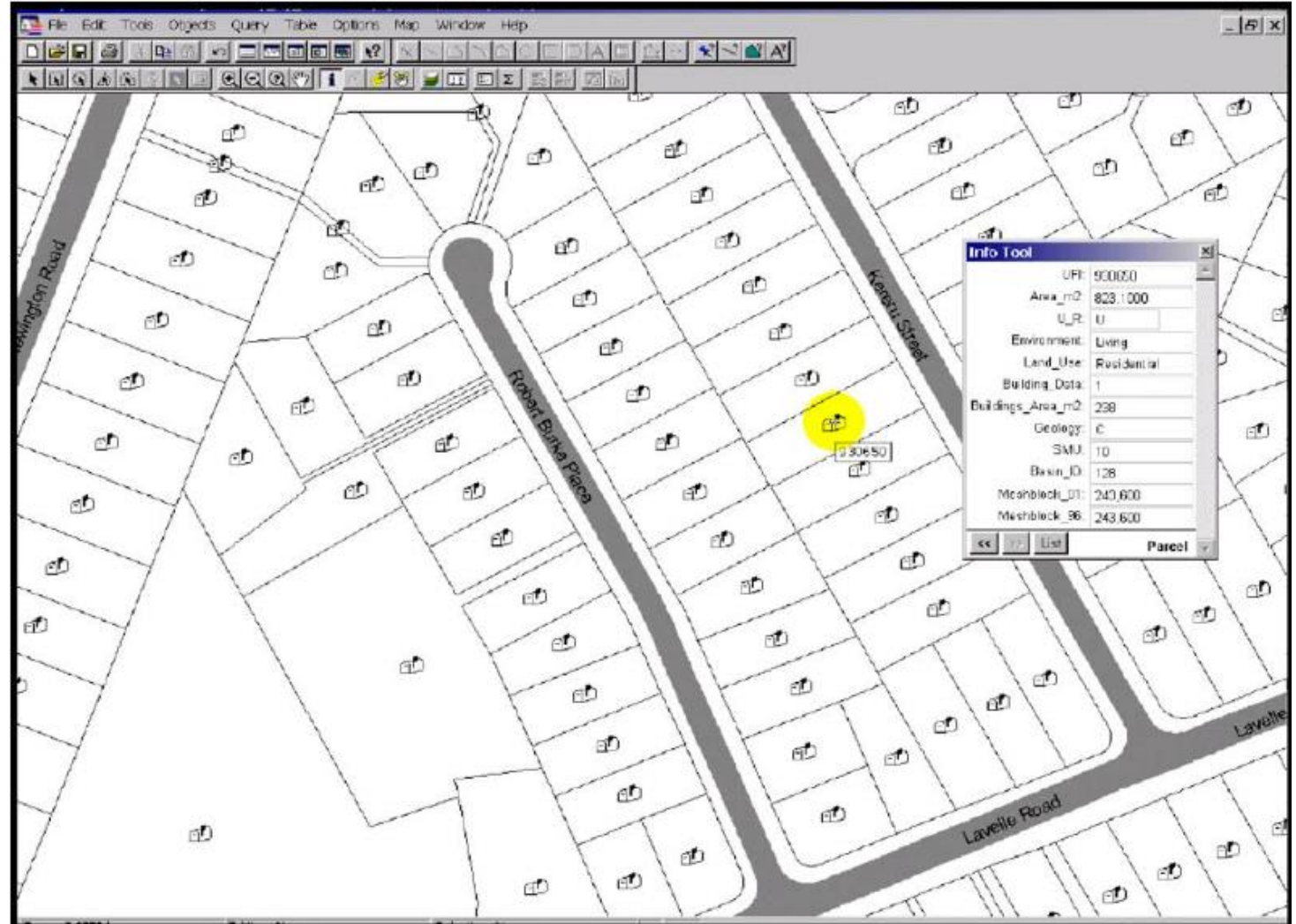
wilderness areas

wildlife management units

zoning (all lands)

7. Cadastral unknown %

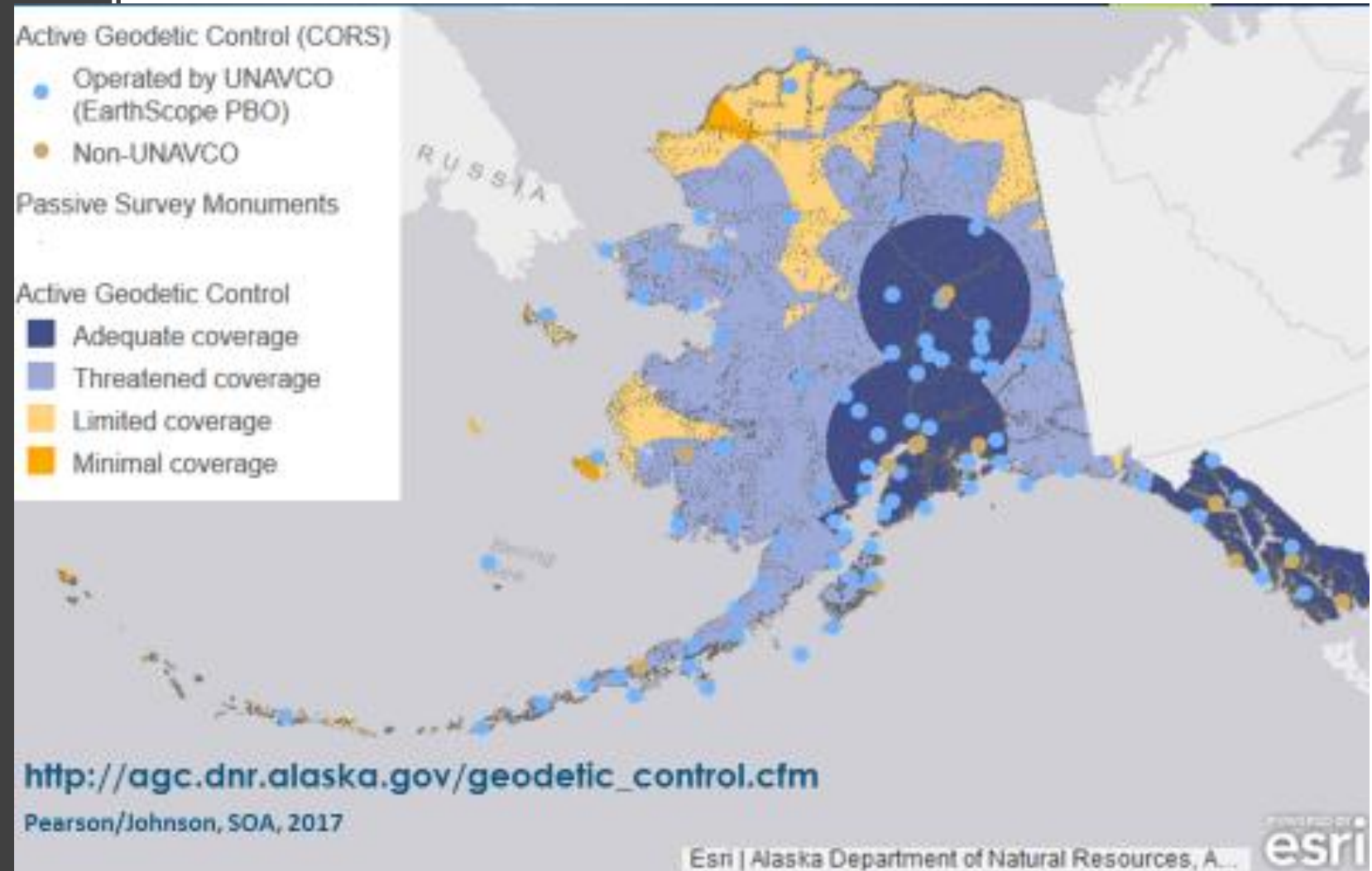
Gwen Gervelis, AKDNR



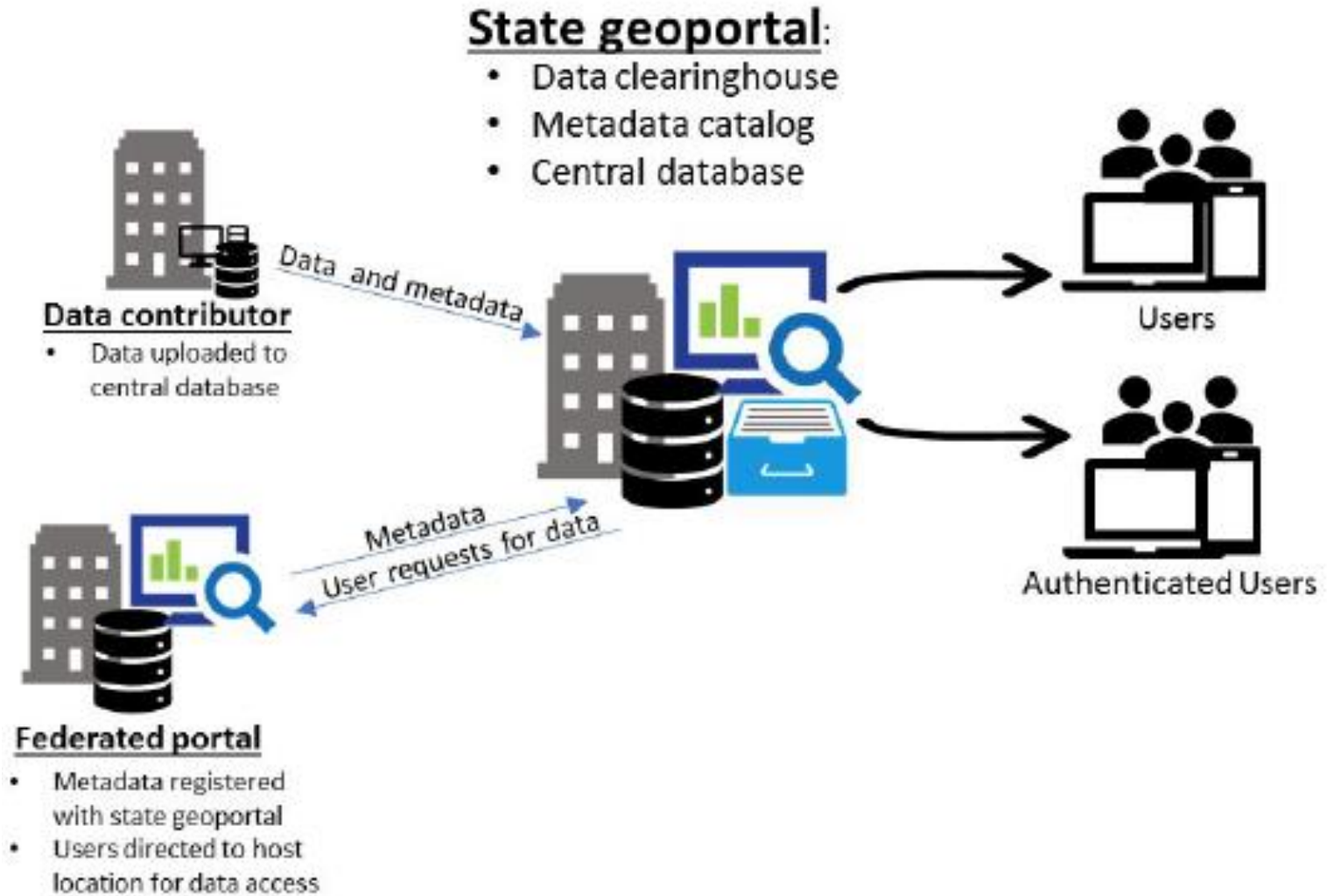
8. Geodetic Control

74%

- Nicole Kinsman, NOAA
- Jeffrey Freymueller, UA



Geoportal



Top State Priorities for 2018, in order:

1. Continue IfSAR elevation collection for the state
2. Fund sustainable imagery refresh program
 - Leaf-on
 - 1-meter pixel resolution or better
 - Refresh every 3-5 years (collect 1/3 to 1/5 state annually)
3. Continue to update hydrography and wetlands framework datasets



The Alaska Geospatial Council

- AK Dept. of Natural Resources
- AK Dept. of Transportation
- AK Dept. of Military and Veterans Affairs
- AK Dept. of Commerce, Community and Economic Development
- AK Dept. of Fish and Game
- AK Dept. of Environmental Conservation
- University of Alaska
- Dept. of the Interior Alaska Liaison
- National Oceanic and Atmospheric Administration
- Natural Resources Conservation Service
- ANCSA Regional Association
- Alaska Municipal League

Questions?