NAIP Outlook

NDOP Meeting

Boulder, Colorado

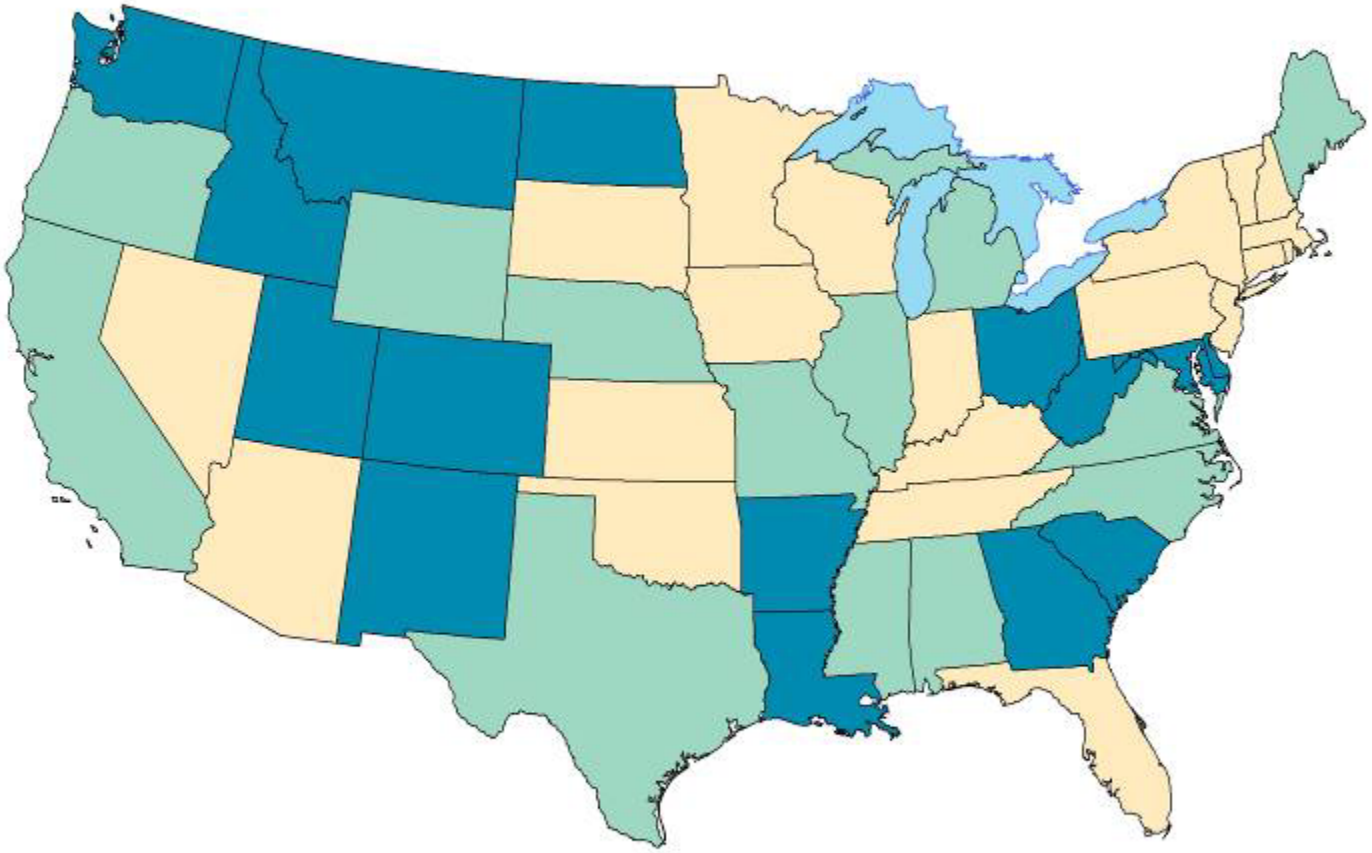
October 7-9, 2008

Kent Williams
Dept. Director/NAIP Manager
USDA Farm Service Agency
Aerial Photography Field Office (APFO)

NAIP Outlook

1. Funding
2. 4 Band
3. Accuracy Spec
4. Seam Line Polygon

3 Year NAIP Cycle



Cycle Dates

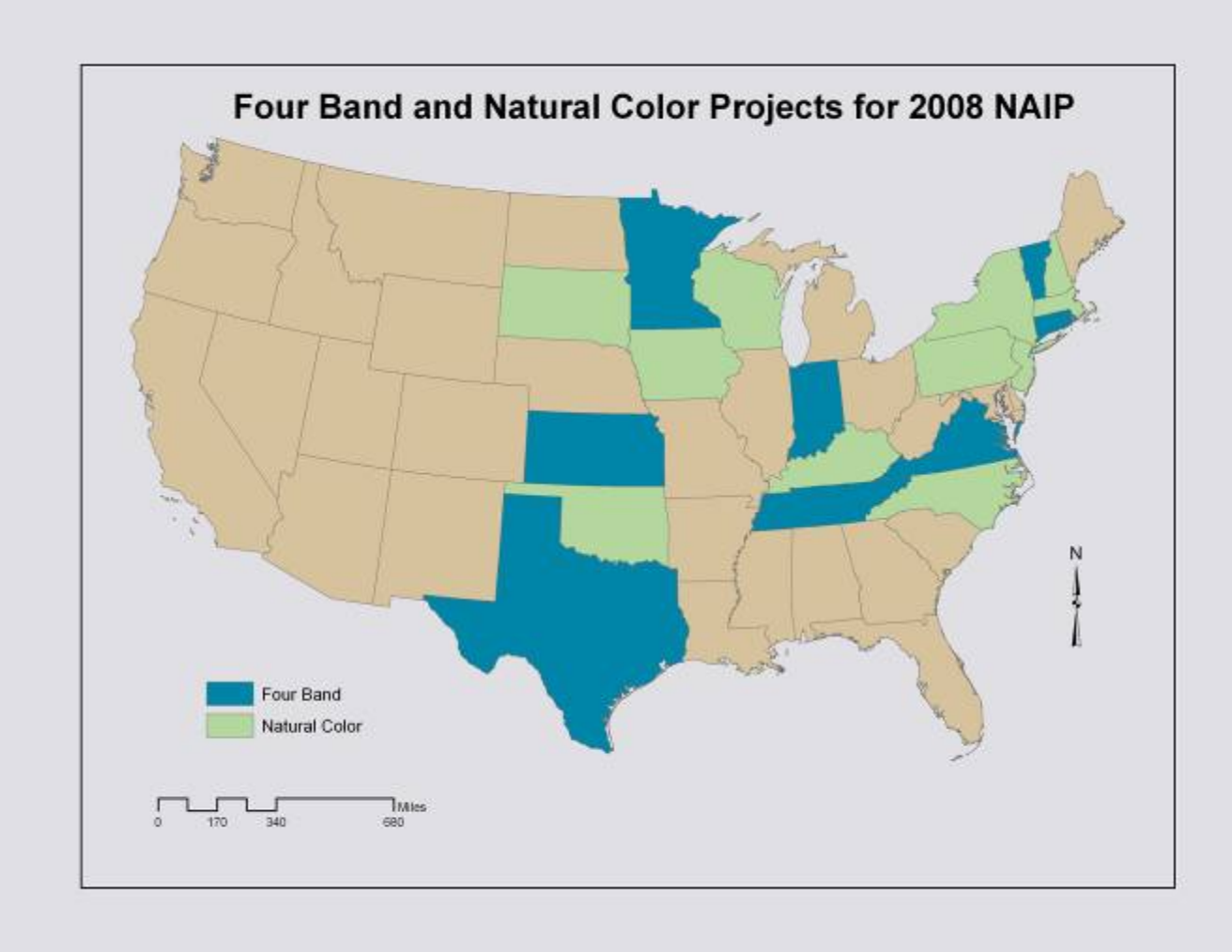
- 2009
- 2010
- 2011

June 3, 2008

NAIP Partner Costs
3 year cycle

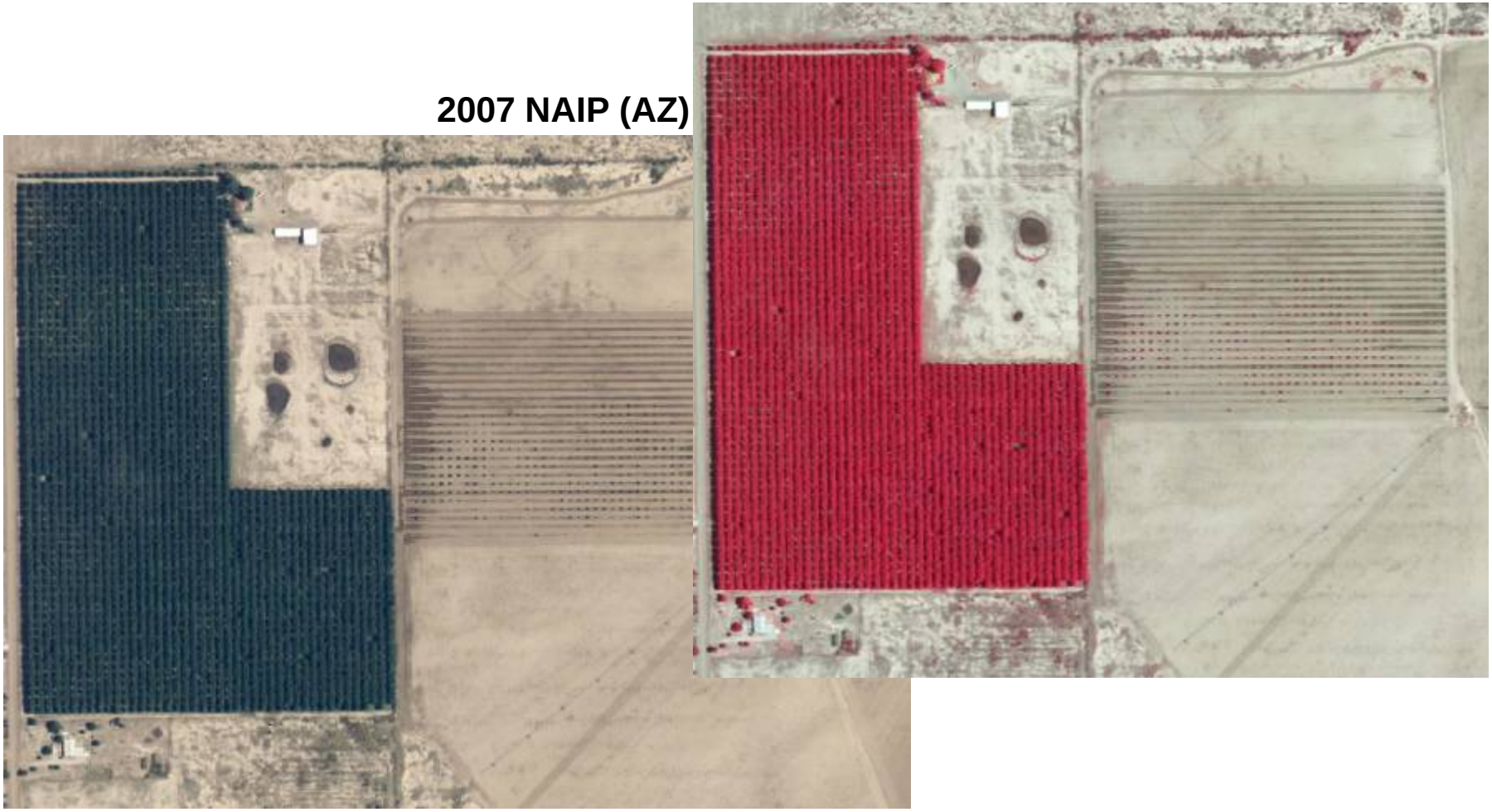
	FSA Cost	Fed Partner Cost	State Partner Cost
2009	**$9,873,875**	**$1,750,100**	**$1,009,253**
2010	**$11,306,205**	**$1,929,213**	**$1,130,621**
2011	**$11,167,960**	**$1,454,690**	**$1,188,778**

4-band Imagery



4-band Imagery

2007 NAIP (AZ)



4-band Imagery

2007 NAIP (AZ)

4 Band – 2009 Outlook

- More states, lots of interest
- Issues with J2000 (CCM format)

Absolute Horizontal Accuracy

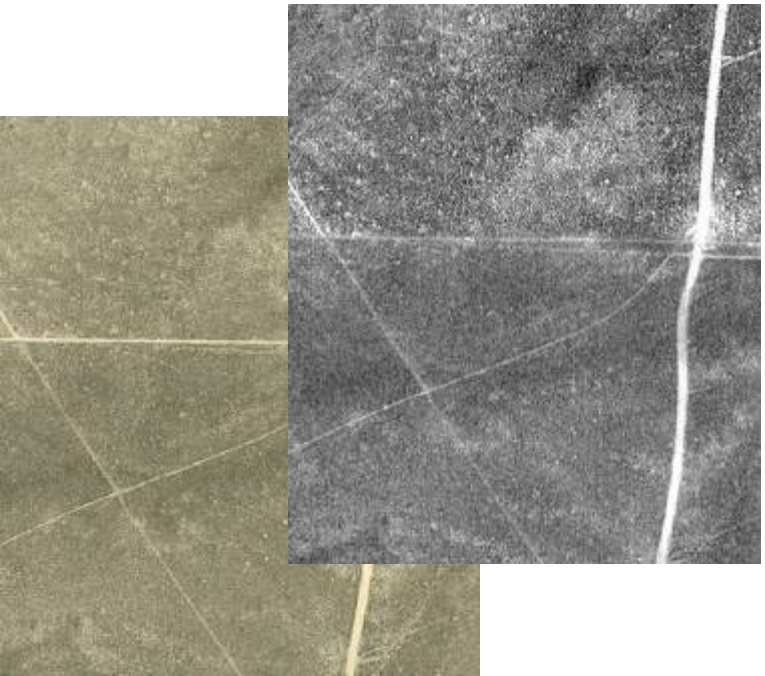
Absolute Horizontal Accuracy

- Large investment in CLU digitizing
  - Tied to the original 1990s “MDOQ”
  - Tie new imagery to true ground, not older imagery

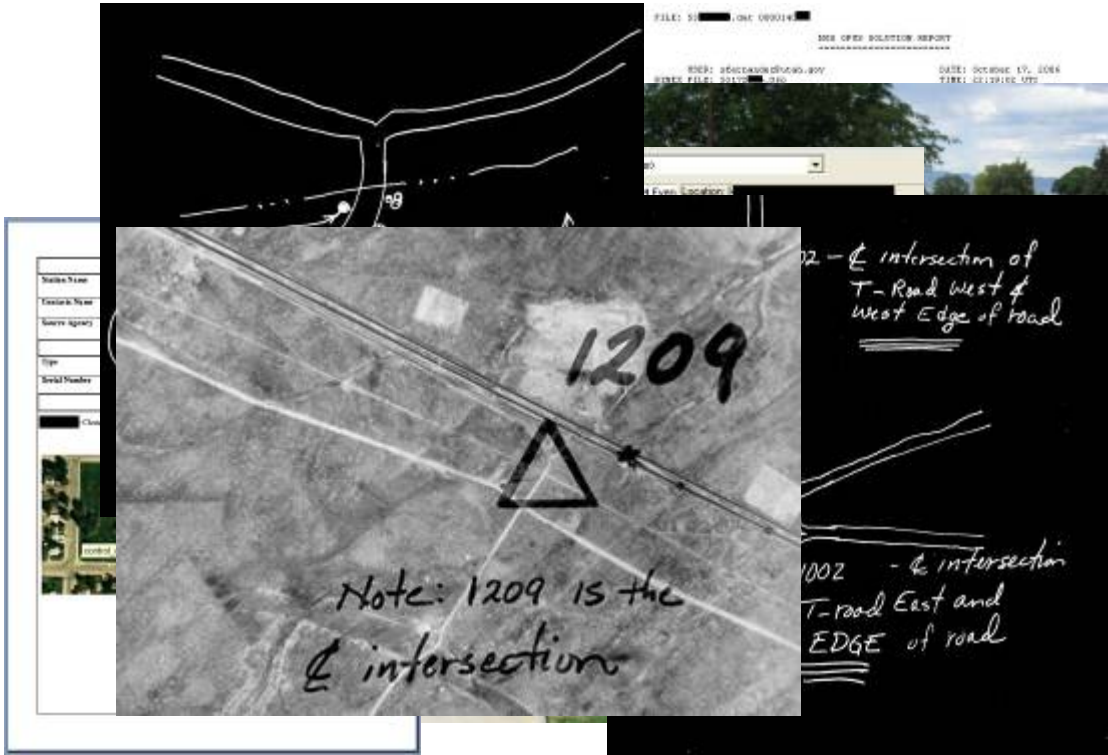
Absolute Horizontal Accuracy

- The engine behind the move of NAIP from relative to absolute control specs is the photo identifiable control database and supplemental data
- Semi-automated inspection process

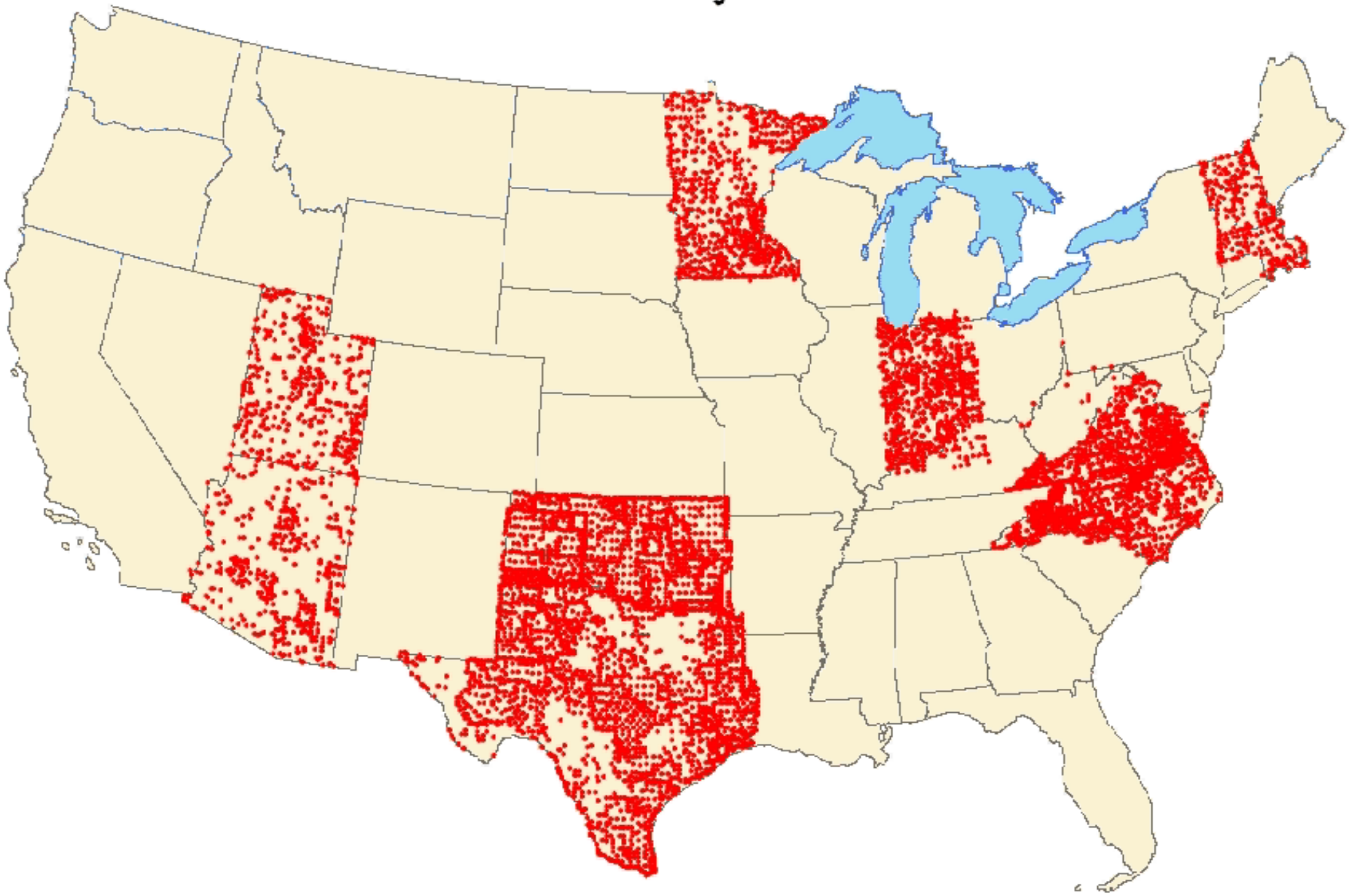
Relative



Absolute



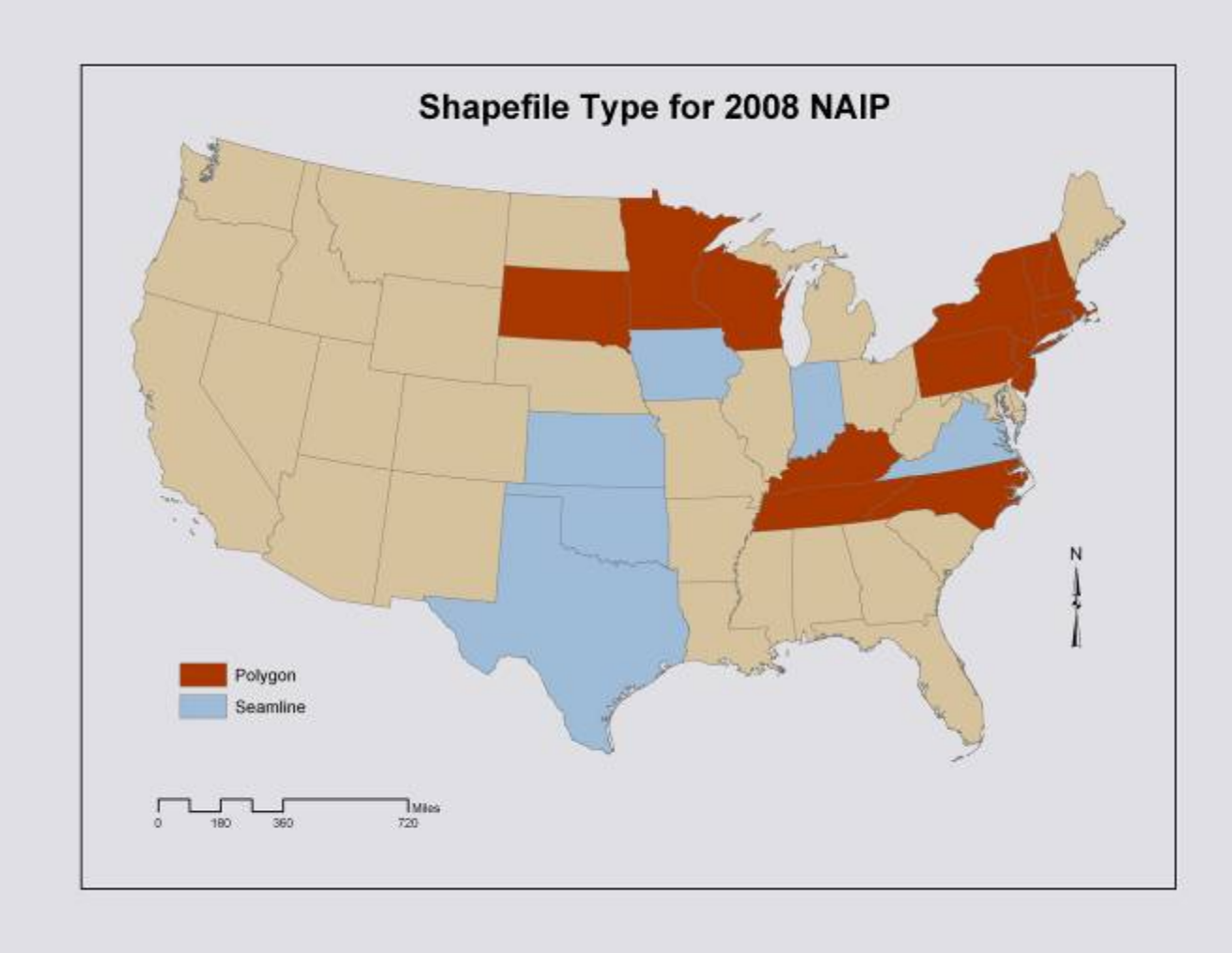
Absolute Accuracy Control Points



2009 Outlook-Absolute Accuracy Spec

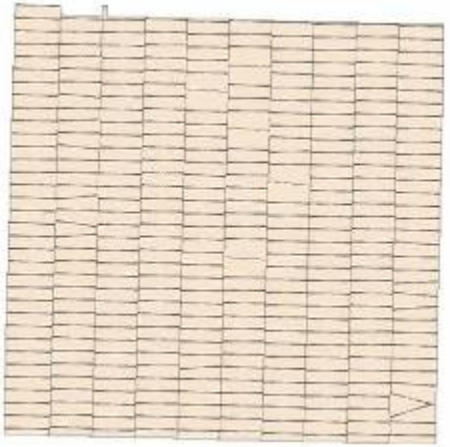
- Feedback good
  - Ask vendors at post mortem
- More states likely

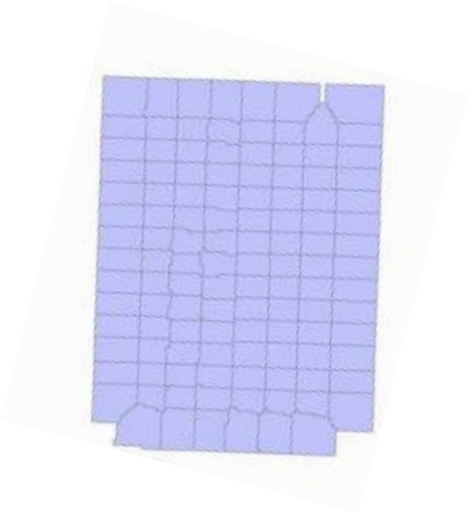
Seamline Shapefile



Seamline Shapefile

- 2007 NAIP Pilot (AZ)
  - Better represent image dates
  - Majority dates in QQ
- “Look” can vary greatly by sensor





Seamline Shapefile

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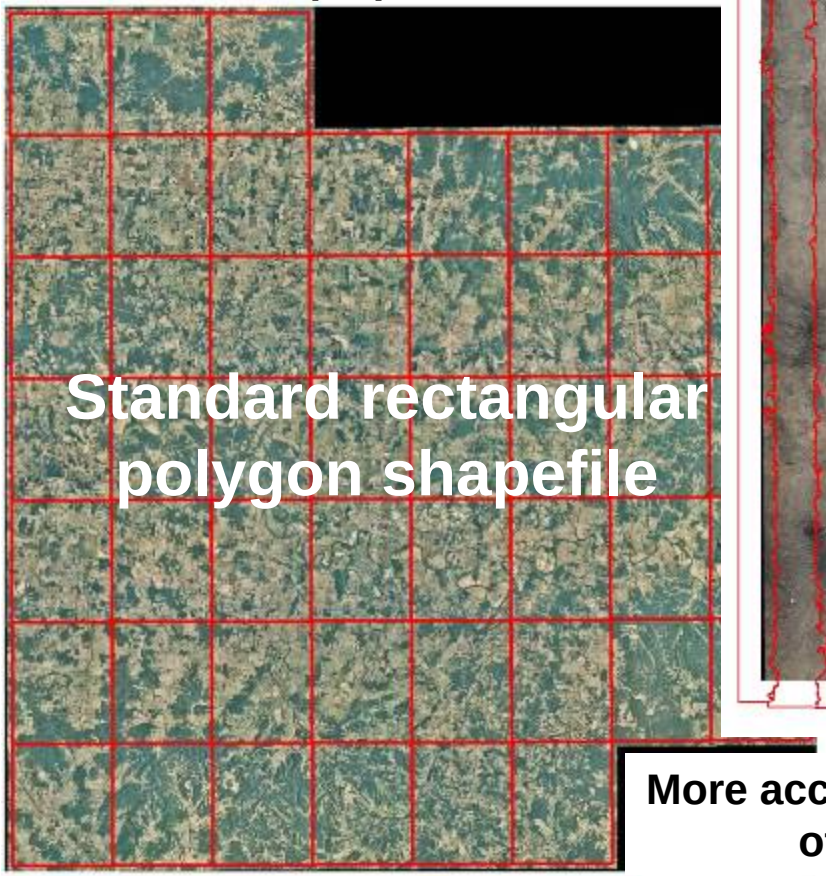
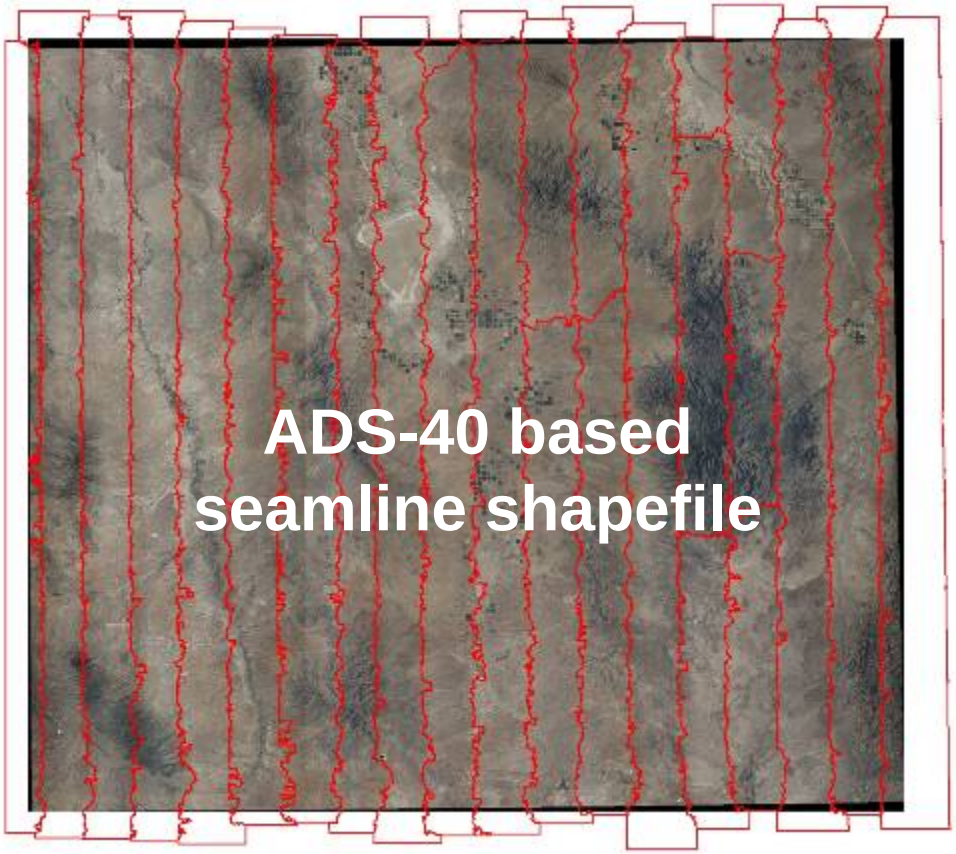
Seamline Shapefile

2007 NAIP (TN)

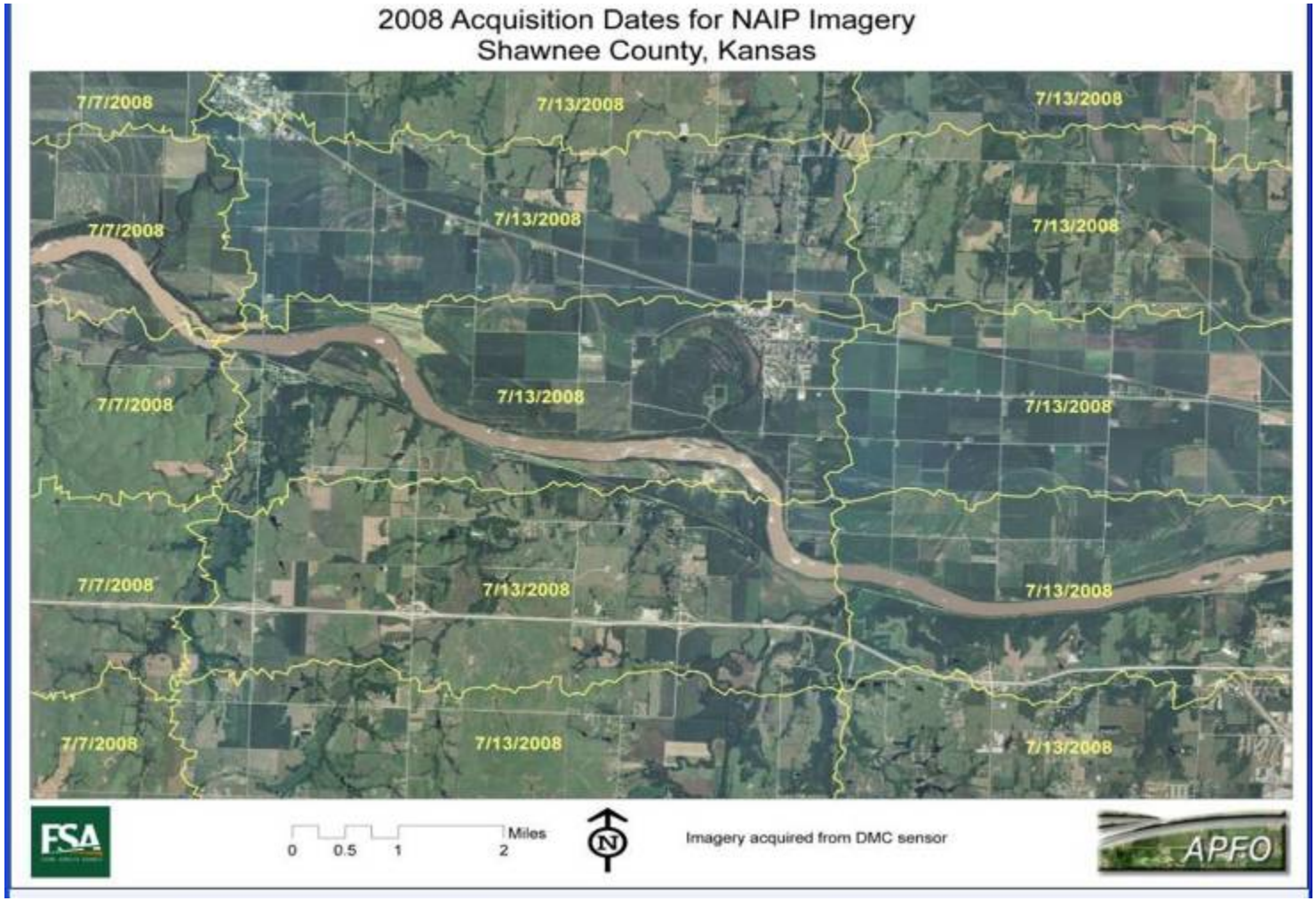




2007 NAIP (AZ)

More accurate representation
of exposure dates

Seamline Shapefile



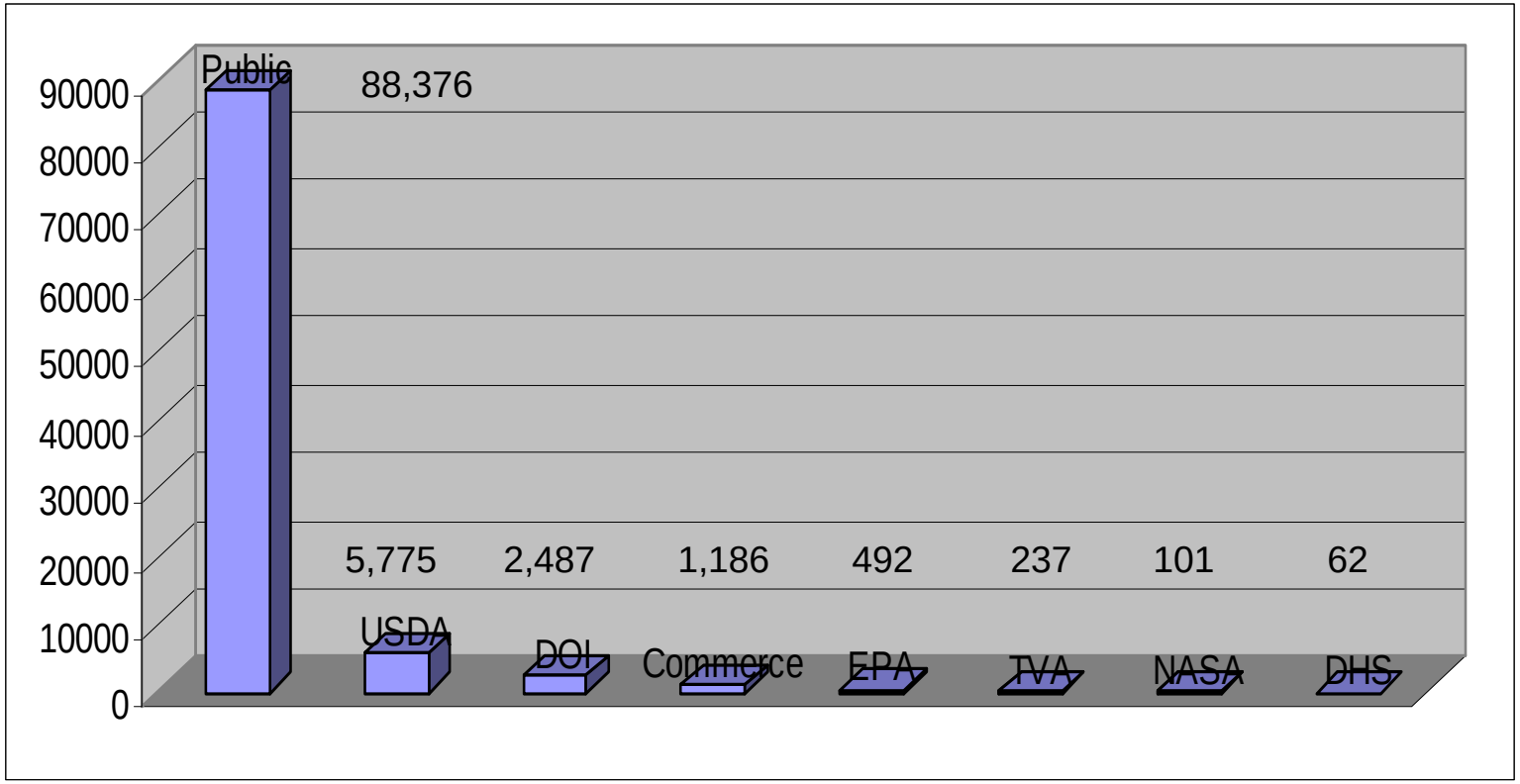
Seamline Shapefile

2007 AZ NAIP – by Sensor Number (SENSNUM)

NAIP Distribution Services

- File Based
  - Cost Share Partners
    - Quarter Quads – delivered after QA on HDD
    - CCMs – after delivery from vendor
  - Public Downloads
    - CCMs on USDA Geospatial Data Gateway
  - Custom Orders
    - Ordering System built on EarthWhere
- Image Services
    - State Based Projects –Image Server
      - All years on-line
  - Bulk Orders, hard copy, etc.
    - APFO Customer Service Section
      - (801) 844-2922 apfo.sales@slc.usda.gov
      - David Parry, Customer Service Section Supervisor (801) 844-2923 david.parry@slc.usda.gov

Gateway CCM downloads in FY2007



FY07 NAIP orders from APFO

239,800 Quarter Quads
19,701 Compressed County Mosaics