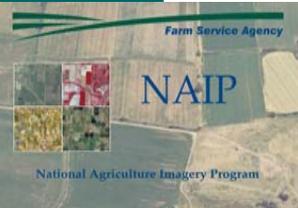


National Agriculture Imagery Program

NAIP Informational Meeting



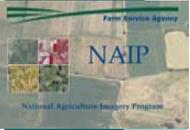
**July 19, 2006
Washington DC**

**Shirley Hall
GIS Program Manager
Farm Service Agency
Shirley.Hall@wdc.usda.gov**



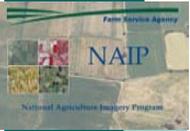
Today's NAIP Meeting

- Program Background
- Description and Specifications
- Product Distribution
- Successes and Challenges
- Program Changes under Consideration
- Partners Scenarios
- Contract and Partnership Information

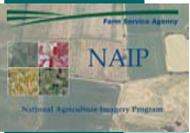


FSA's Mission is to...

stabilize farm income, help farmers conserve land and water resources, provide credit to new or disadvantaged farmers and ranchers, and help farm operations recover from the effects of disasters.



The Old Way of Doing Business...



Hard Copy Maps



Planimeters

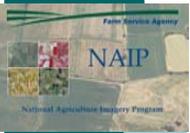
Pen and Pencil

35mm slides

Wheel and Chain

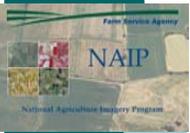
Legacy tabular systems

How Our Service Centers Would Implement GIS



- Digital updates for farm makeup changes and land use
- GIS based crop reporting and compliance applications
- Identification and tracking of disaster events
- Conservation planning and tracking
- Producer and partner direct access to information.

What Needed to be in Place?



**Digital orthophotography
mosaicked into a seamless county
view.**

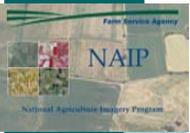
Digitized farm and field boundaries
called Common Land Units (CLU).

**Yearly digital compliance
imagery.**

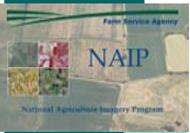
Hardware, software and applications.

FSA's Imagery Acquisition Strategy

- Annually acquire 1 and 2 meter resolution digital ortho imagery in Natural Color.
- Flown during the summer growing season.
- National coverage.
- Base replacement updates on a 5 year cycle.
- Approximately twenty percent 1 meter and eighty percent 2 meter resolution imagery each year.

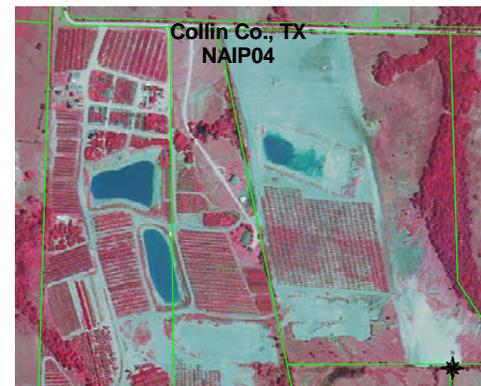


National Agriculture Imagery Program

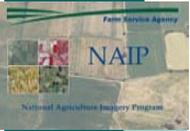


Combines Innovative

- Program Management
- Technology Integration
- Contract Management

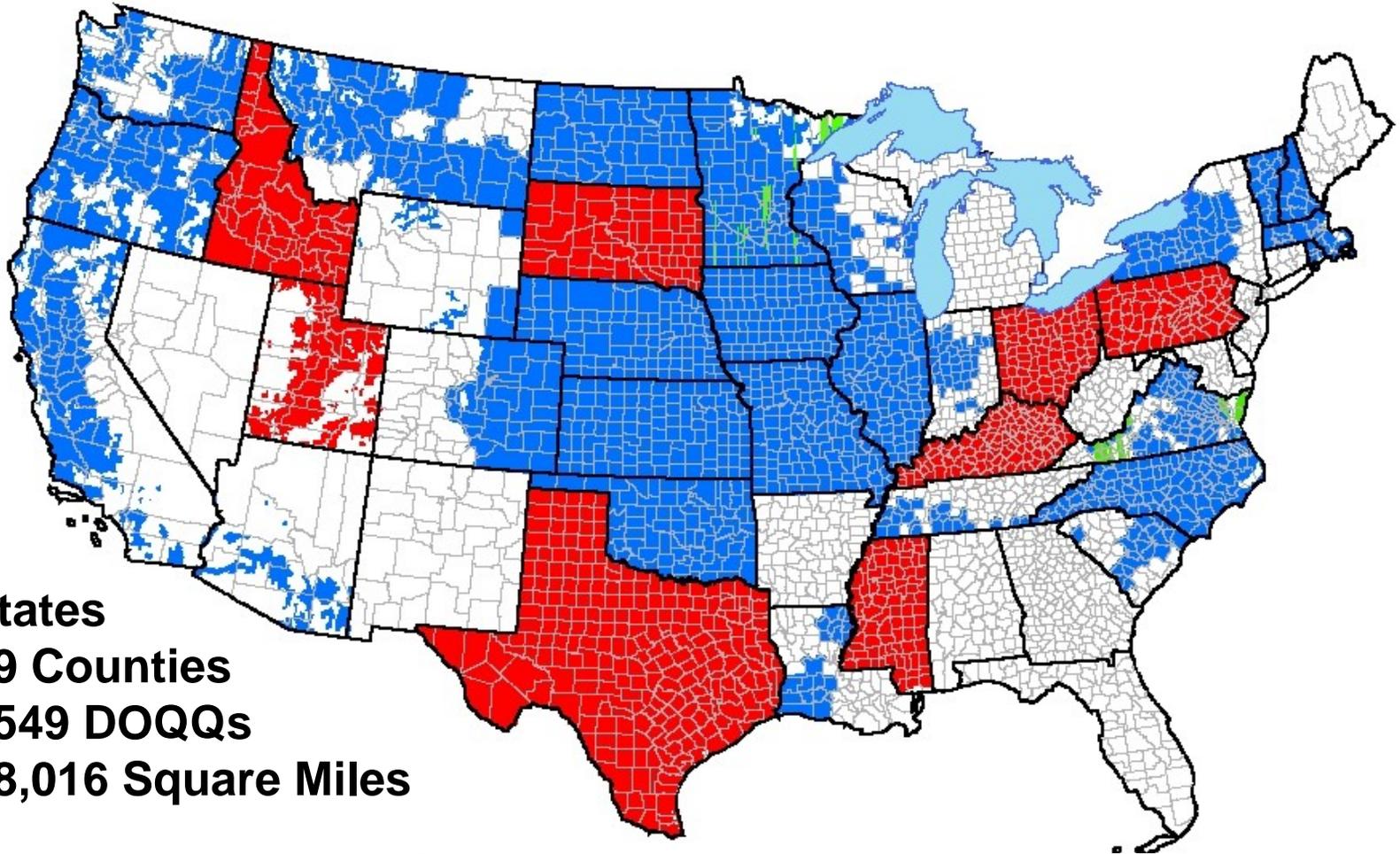


NAIP is breaking barriers in imagery acquisition:



- **Dual imagery acquisition program.** (1 meter replacement and 2 meter resolution compliance imagery products for farmlands.)
- **Amount of imagery flown** in one year.
- **Extremely quick product delivery** for not only the compliance product (30 days), but also the 1 meter replacement product (less than 1 year as apposed to 2-3 years with previous acquisition programs.)
- **FSA's replacement imagery strategy** is to fly 20% (approximately 10 States) each year.

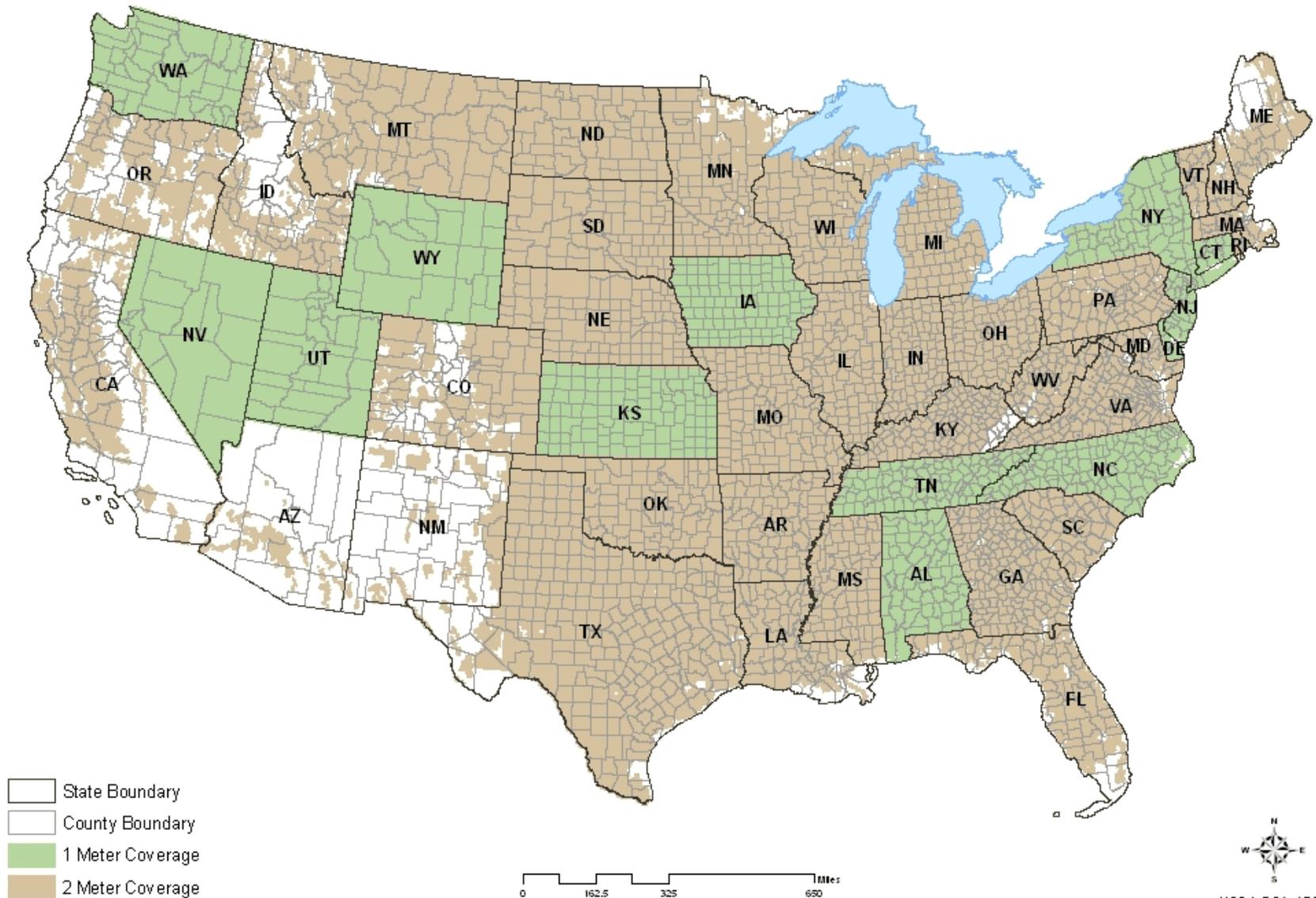
2004 National Agriculture Imagery Program



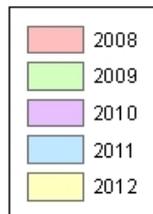
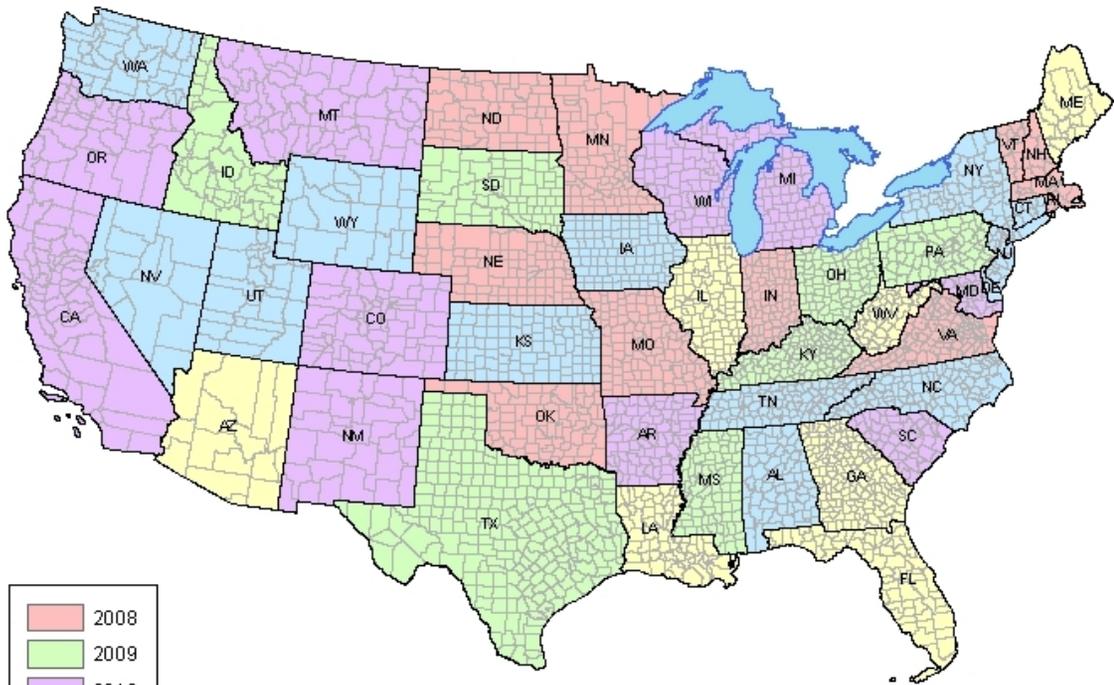
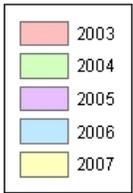
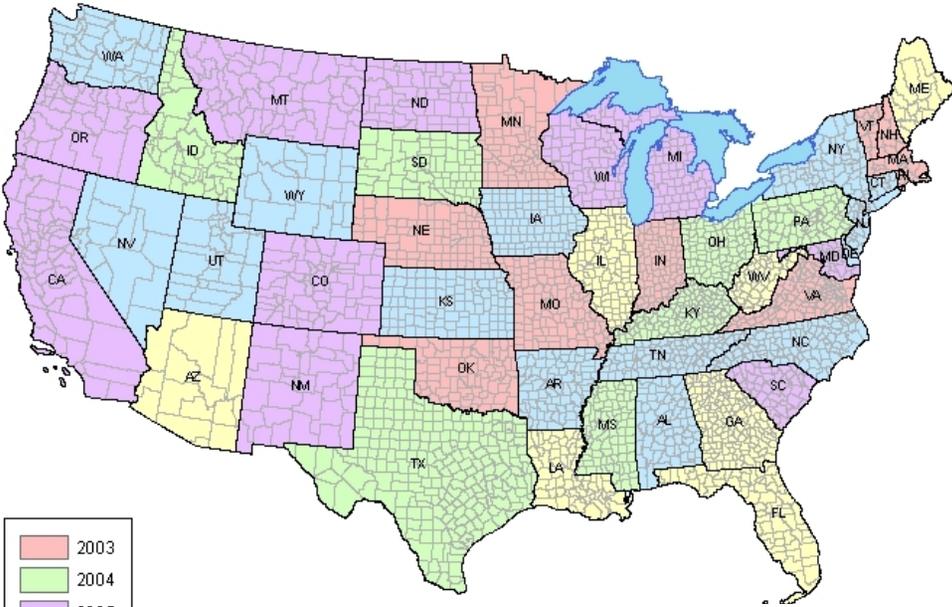
35 States
2,089 Counties
132,549 DOQQs
1,808,016 Square Miles

- 1 METER STATES
- 2 METER STATES
- 1 METER REPLACEMENT IMAGERY

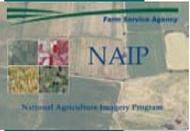
2006 NAIP Coverage



5 Year Cycles – 1 Meter Imagery



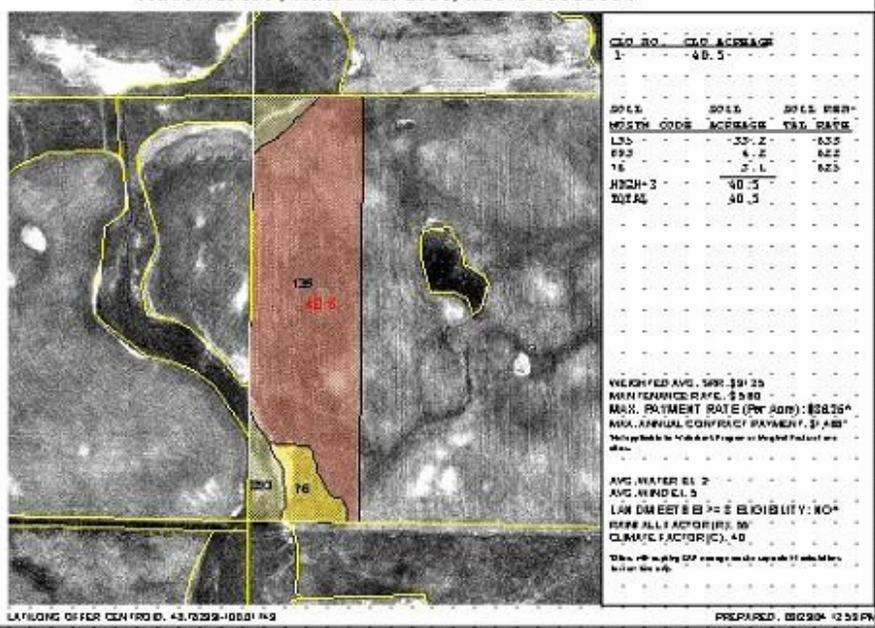
How FSA Uses NAIP



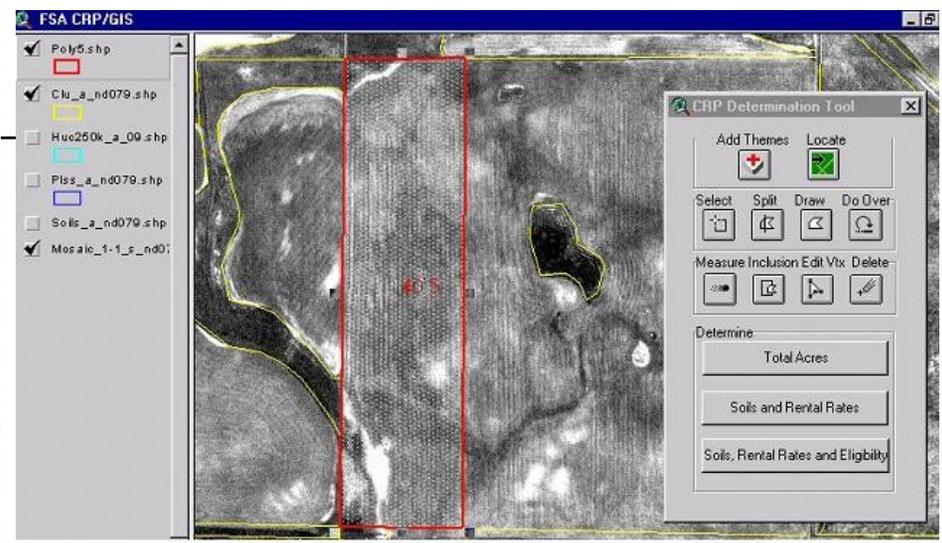
- 2 Meter Compliance Imagery
 - Effectively monitor program compliance
 - Verify planted and reported acres
 - Interim change detection, updates and day-to-day operations

- 1 Meter Replacement Imagery
 - Farm and field record maintenance
 - Field measurement work
 - Land use/Crop Reporting
 - Accurate damage assessment in the event of disasters
 - Managing Farm Loan Programs and Collateral

CRP GENERAL SIGNUP 29: SCENARIO #3, ST/CNTY: 38079, SSAID: ND079
 FARM NO. 677, TRACT NO. 1509, HUC-8 09010004



Conservation Reserve Program



Farm Loan Program Support

Alden to King
8/05
Aerial map



Alden to King
8/05
Easement map



Alden to King
8/05
Soils map



Just a Few of the NAIP Benefits

- 
- The logo for the National Agriculture Inquiry Program (NAIP) is located in the top left corner. It features a small graphic of a farm with a red barn and green fields, with the text 'NAIP' in a blue box and 'National Agriculture Inquiry Program' below it.
- Significantly reduces the time it takes FSA local offices to complete compliance tasks.
 - Supports day-to-day program administration (farm maintenance, crop reporting, change detection, disaster events, appraisals, etc.)
 - Provides effective central acquisition program management using a best value, multi-year contract.
 - Used by Federal, State and local partner agencies in agriculture, conservation, property, and law enforcement programs.
 - Used by non-contributing agencies in USDA, other Federal, State and local entities.

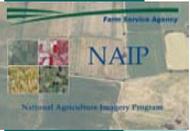
Challenges

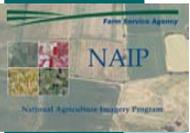
Programmatic

- Adequate and Timely Coverage
- Reengineering and Development
- Data consistency across the nation

Budget Shortfalls

Always Need More Partnerships



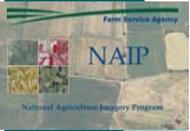


How Does NAIP

fit into

Imagery for the Nation?

NAIP is a Key Component



Yearly 1-Meter Natural Color, Leaf-On Coverage for lower 48 States.

3 year cycle for HI, Insular areas and Territories.

5 year cycle for Alaska (USGS manages).

CIR, 4 Band and Increase Horizontal Accuracy Buy-ups.