

NAIP 2010

Presentation to

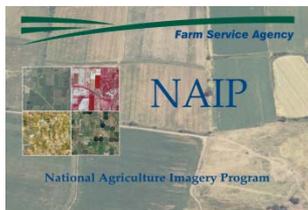
National States Geographic Information Council

Kent Williams

USDA Farm Service Agency

Aerial Photography Field Office (APFO)

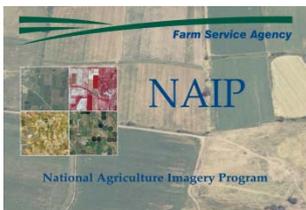
November 24, 2009



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Presentation Topics

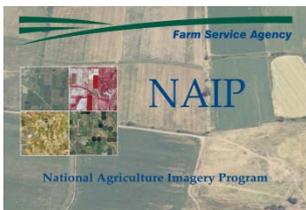
- Changes for 2010
- Planned Acquisition
- Partnership Information
- Delivery Systems
- Format of Deliverables
- Reporting Problems/Issues
- Support
- Question and Answers



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Changes

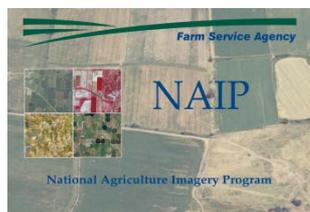
- Adding “Inland lakes water quarter quads” to state coverage
- Quarter quads available sooner to partners
 - Approximately 45 to 60 days after flying season close
 - Pass automated QA check on file headers
 - Single delivery on portable hard disk drives
 - No partial delivery
- Dropping JPEG2000 format for now
 - Several unresolved issues
 - Web service planned for color infrared



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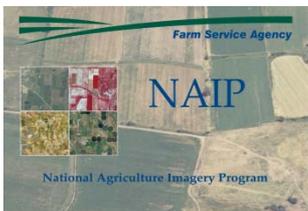
What stays the same

- Flying Seasons determined by FSA
- <10% cloud cover
- Deliverables available approximately 45 days after flying season
- Compressed County Mosaics (CCMS)
 - 3 band MG3 format
- Uncompressed Quarter Quads
 - GeoTIFF format
 - 3 band and 4 band
- Absolute Horizontal Accuracy Specification
 - 6 meters from “true ground” position



2010 Partnership Strategy

- NAIP 2010 will be full state coverage
 - Federal cost share
 - Additional FSA funding
- Cost Share Partners can “Buy Up” to 4 band
 - 10% of total cost per state
 - This is a set, pre-determined amount that is based on estimated 2010 costs.
- Maximize Coverage



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Tier 1 States

Based on existing funding commitments by FSA and Federal partners

State	NAIP Cycle Date	NAIP Base Image Date	Full state coverage QQs	1 meter QQ base cost	Estimated Cost - Full State Coverage	4-band Buy-up Cost
AZ	2011	2007	7629	\$215	\$1,640,235.00	\$164,023.50
CT	2011	2008	413	\$215	\$88,795.00	\$8,879.50
FL	2011	2007	3954	\$215	\$850,110.00	\$85,011.00
IN	2011	2008	2,689	\$215	\$578,135.00	\$57,813.50
KS	2011	2008	5,901	\$215	\$1,268,715.00	\$126,871.50
KY	2011	2008	2930	\$215	\$629,950.00	\$62,995.00
MA	2011	2009	744	\$215	\$159,960.00	\$15,996.00
NJ	2011	2008	635	\$215	\$136,525.00	\$13,652.50
NV	2011	2006	7,341	\$215	\$1,578,315.00	\$157,831.50
OK	2011	2008	4,815	\$215	\$1,035,225.00	\$103,522.50
PA	2011	2008	3,343	\$215	\$718,745.00	\$71,874.50
RI	2011	2008	116	\$215	\$24,940.00	\$2,494.00
SD	2011	2008	5,992	\$215	\$1,288,280.00	\$128,828.00
TN	2011	2008	3,000	\$215	\$645,000.00	\$64,500.00
TX	2010	2008	17,277	\$215	\$3,714,555.00	\$371,455.50
WI	2011	2008	4,484	\$215	\$964,060.00	\$96,406.00

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Tier 2 States

Based on additional FSA funding

State	NAIP Cycle Date	NAIP Base Image Date	Full state coverage QQs	1 meter QQ base cost	Estimated Cost - Full State Coverage	4-band Buy-up Cost
AR	2009	2009	3,600	\$215	\$774,000.00	\$77,400.00
CA	2010	2009	11,094	\$215	\$2,385,210.00	\$238,521.00
GA	2009	2009	3,913	\$215	\$841,295.00	\$84,129.50
IA	2011	2009	4238	\$215	\$911,170.00	\$91,117.00
IL	2010	2009	4131	\$215	\$888,165.00	\$88,816.50
MI	2010	2009	4,844	\$215	\$1,041,460.00	\$104,146.00
MN	2011	2009	6,796	\$215	\$1,461,140.00	\$146,114.00
MO	2010	2009	5,018	\$215	\$1,078,870.00	\$107,887.00
NC	2010	2009	3,581	\$215	\$769,915.00	\$76,991.50
ND	2009	2009	5,712	\$215	\$1,228,080.00	\$122,808.00
NE	2010	2009	5,628	\$215	\$1,210,020.00	\$121,002.00

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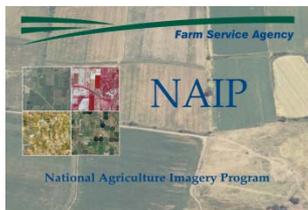
Tier 3 States

Additional states that will be considered with *significant* cost share

State	NAIP Cycle Date	NAIP Base Image Date	Full state coverage QQs	1 meter QQ base cost	Estimated Cost - Full State Coverage	4-band Buy- up Cost
LA	2009	2009	3,283	\$215	\$705,845.00	\$70,584.50
MD	2009	2009	901	\$215	\$193,715.00	\$19,371.50
MS	2010	2009	3,237	\$215	\$695,955.00	\$69,595.50
OH	2009	2009	3,049	\$215	\$655,535.00	\$65,553.50
SC	2009	2009	2,151	\$215	\$462,465.00	\$46,246.50
VA	2010	2009	3,029	\$215	\$651,235.00	\$65,123.50
VT	2011	2009	812	\$215	\$174,580.00	\$17,458.00

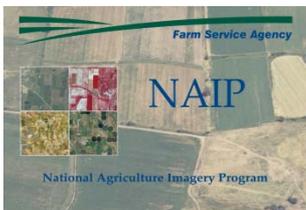
2010 Partnership Guidelines

- Need a single Point of Contact for state partners
 - Receipt of Deliverables
- Primary Contact at APFO for partnerships
 - Bridget Barlow, NAIP partnership coordinator
- Partnership agreement deadline
 - Signed by 1/31/2010
- Partnership agreements do not guarantee coverage
 - Agreements may be cancelled if funding is insufficient



2010 Partnership Deliverables

- Compressed County Mosaics
 - 3 band MG3 format
 - Same as delivered to FSA state office specialists
 - Copy of DVD made by vendors
 - Shipped to partners after delivery from vendors
 - Quick visual inspection
- Quarter Quads
 - GeoTIFF format (3 band and 4 band)
 - Sent to partners after entire state delivered from vendors
 - After QA is complete, any new versions are sent out to partners.



2010 Delivery Systems

- Direct Delivery - FSA state GIS specialists and Cost Share Partners
 - CCMs on DVD - same as 2009
 - Quarter Quads on portable hard disk drives to partners
 - Access to APFO Data Provisioning System (EarthWhere)
 - Order area of interest
 - Account based
 - Available on request
- USDA Geospatial Data Gateway
 - Public downloads of CCMs at no cost
- Image Web Services
 - ArcGIS/Image Server
 - Individual services for each state
- APFO Ordering System
 - Web based ordering system for quarter quads
 - Available January, 2010
- APFO Sales
 - Bulk data prices for entire states
 - Delivered on HDD

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Support

- Partnership Information/Agreements
 - NAIP Partnership Coordinator
Bridget Barlow 801-844-2911
Bridget.Barlow@slc.usda.gov
- Problem/Issue Reporting
 - Quality Assurance Branch Chief
Brenda Simpson - 801-844-2960
Brenda.l.simpson@slc.usda.gov
- NAIP Technical Support
 - Geospatial Services Branch
Brian Vanderbilt – 801-844-2930
Brian.vanderbilt@slc.usda.gov
- NAIP Project Status
 - <http://gis.apfo.usda.gov/naipstatus09/>
- APFO Web site
 - <http://www.apfo.usda.gov>
 - Support Documents/NAIP Partnership page
<http://www.fsa.usda.gov/FSA/apfoapp?area=home&subject=docs&topic=nai>



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Questions and Answers

- Question:
 - “Will NAIP support half meter resolution?”
- Answer:
 - Not yet (through NAIP contract)
 - Unresolved issues
 - File Size (4X that of 1 meter)
 - “Secondary contract” by partners
 - With APFO approval
 - Ensure that secondary contract does not impact primary delivery schedule

