

USDA Imagery Planning & Coordination Meeting

2008 USDA Contracts Report



**December 2, 2008
Salt Lake City, Utah**

**W. Geoffrey Gabbott, Contracting Officer
USDA, FSA, Aerial Photography Field Office**



USDA Contracts Report

1. 2008 Contracting Activities Review

2. National Agriculture Imagery Program

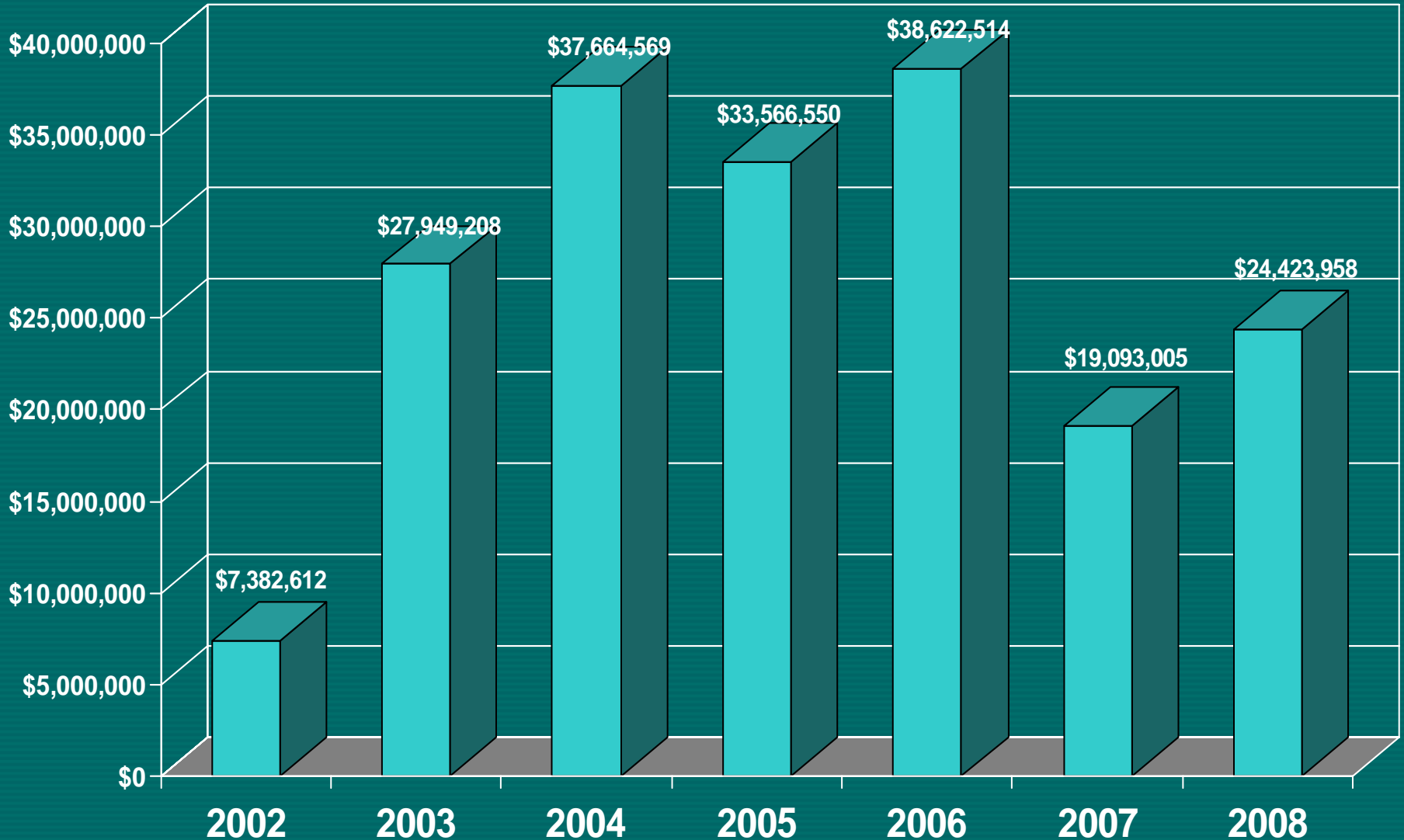
3. Small Area Contract (SAC) NRI/WRP

4. Resource Aerial Photography Contracts

5. 2009 Procurement Forecast

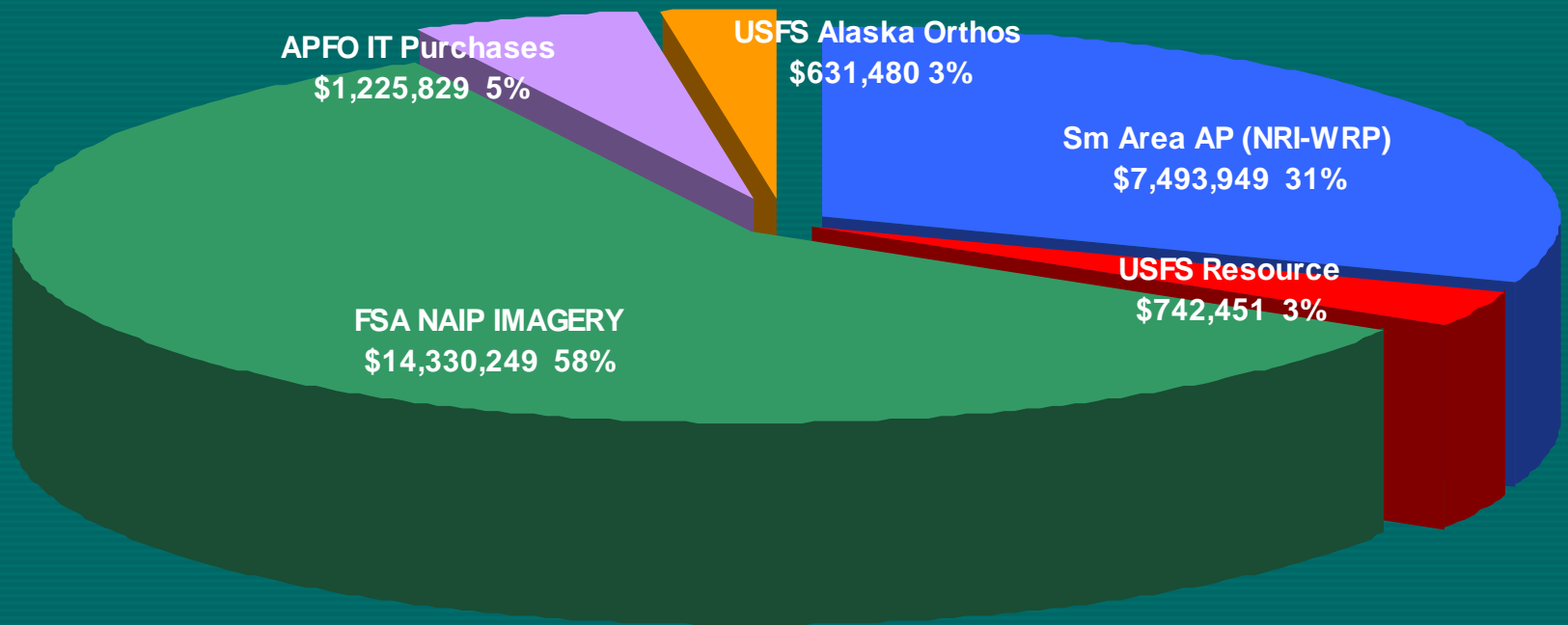
USDA Contract Awards

History of Annual Contract Award Totals



2008 APFO Contracts

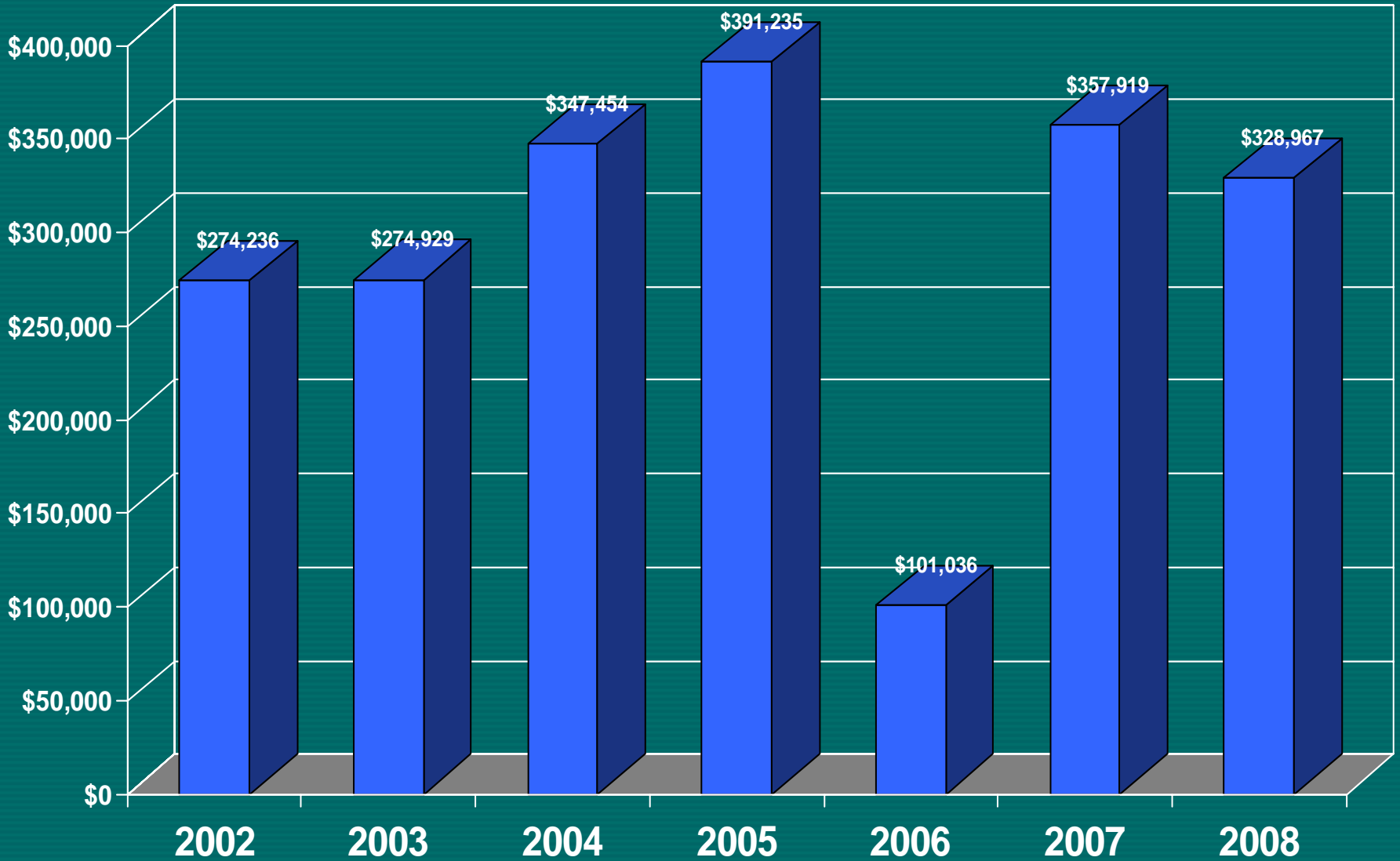
FY 2008 CONTRACTS: \$24,423,958



- Sm Area AP (NRI-WRP)
- FSA NAIP IMAGERY
- USFS Alaska Orthos

- USFS Resource
- APFO IT Purchases

APFO Administrative Charges



USDA Contracts Report

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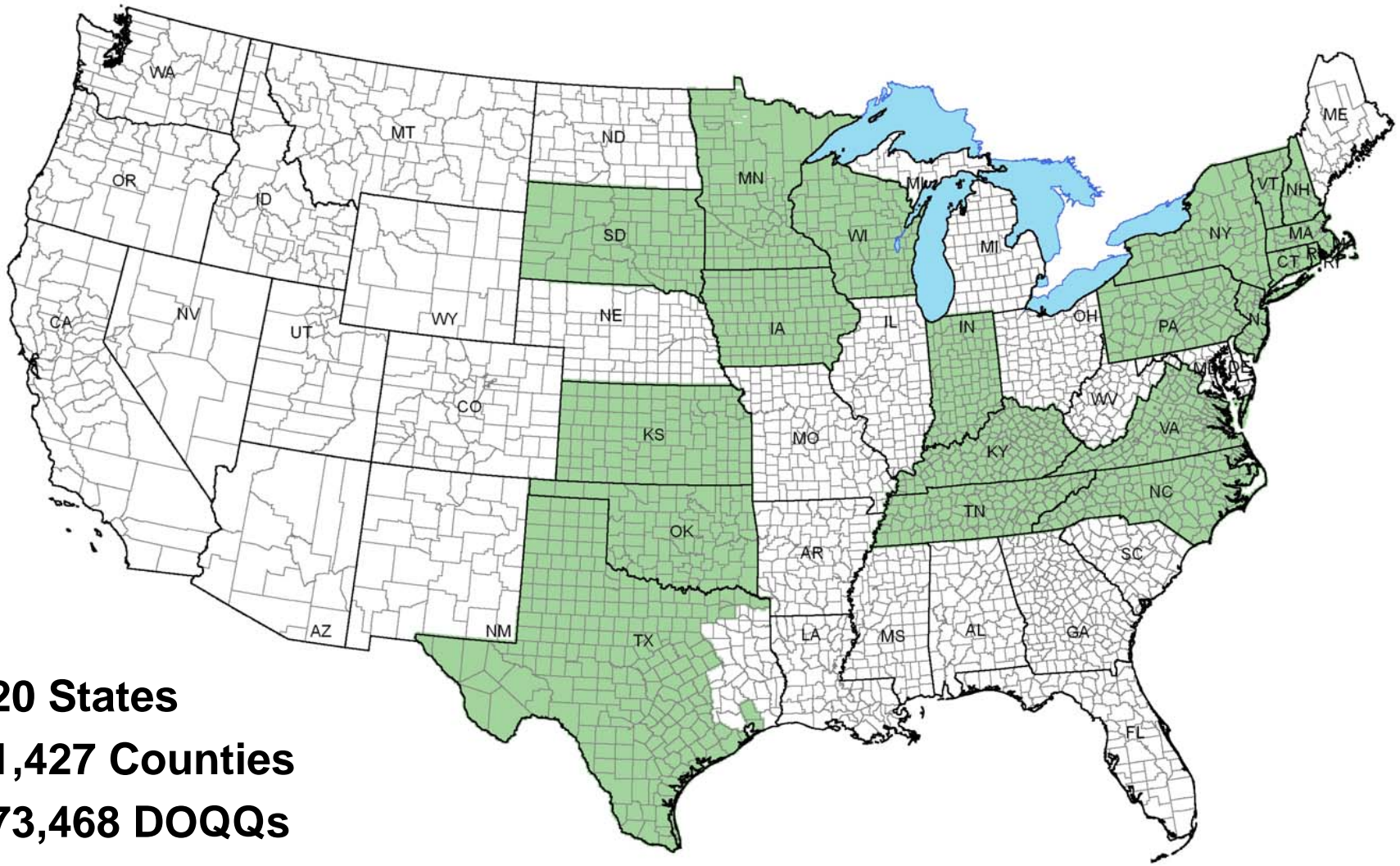
2. National Agriculture Imagery Program

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2008 NAIP – CONTRACTED STATES



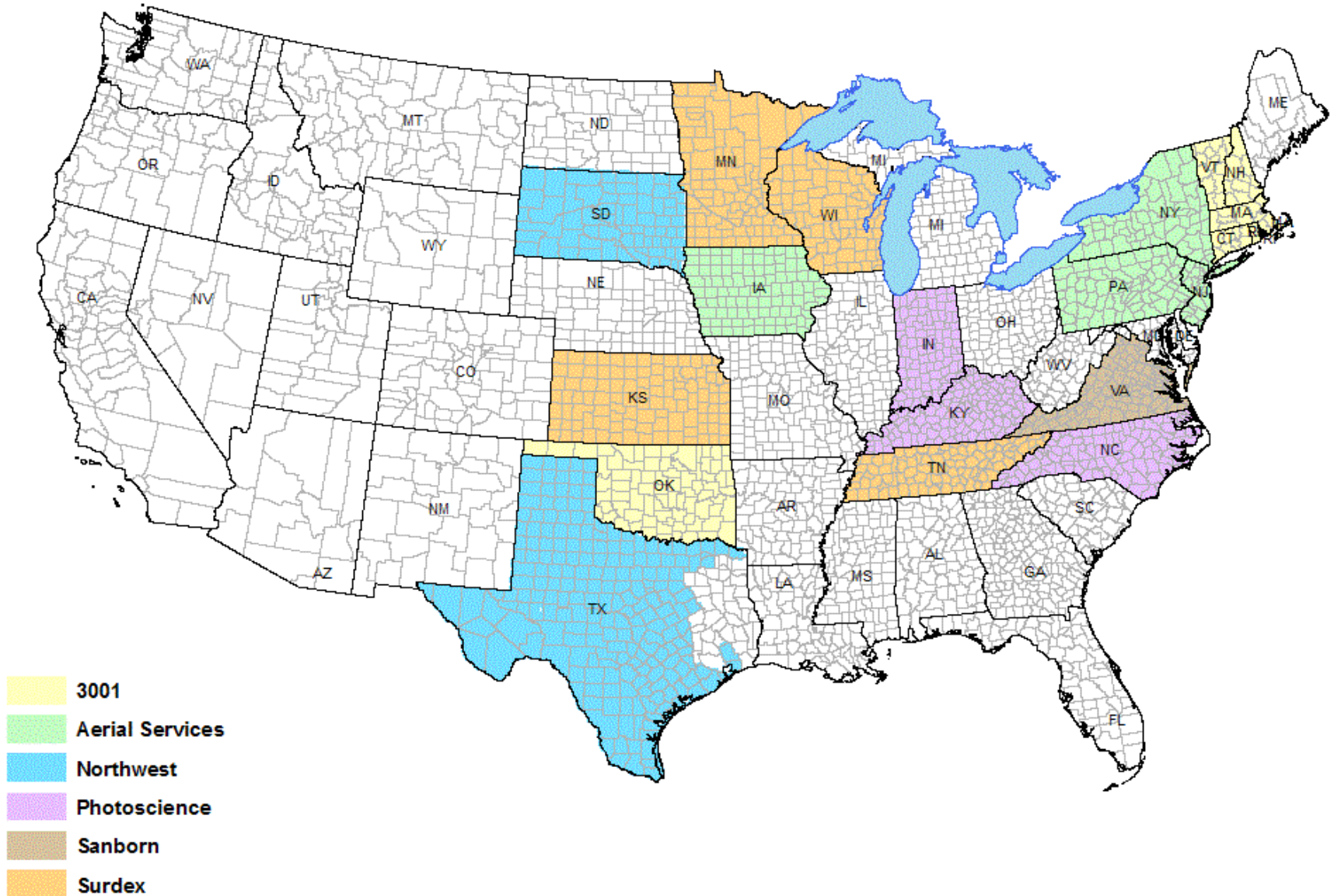
20 States

1,427 Counties

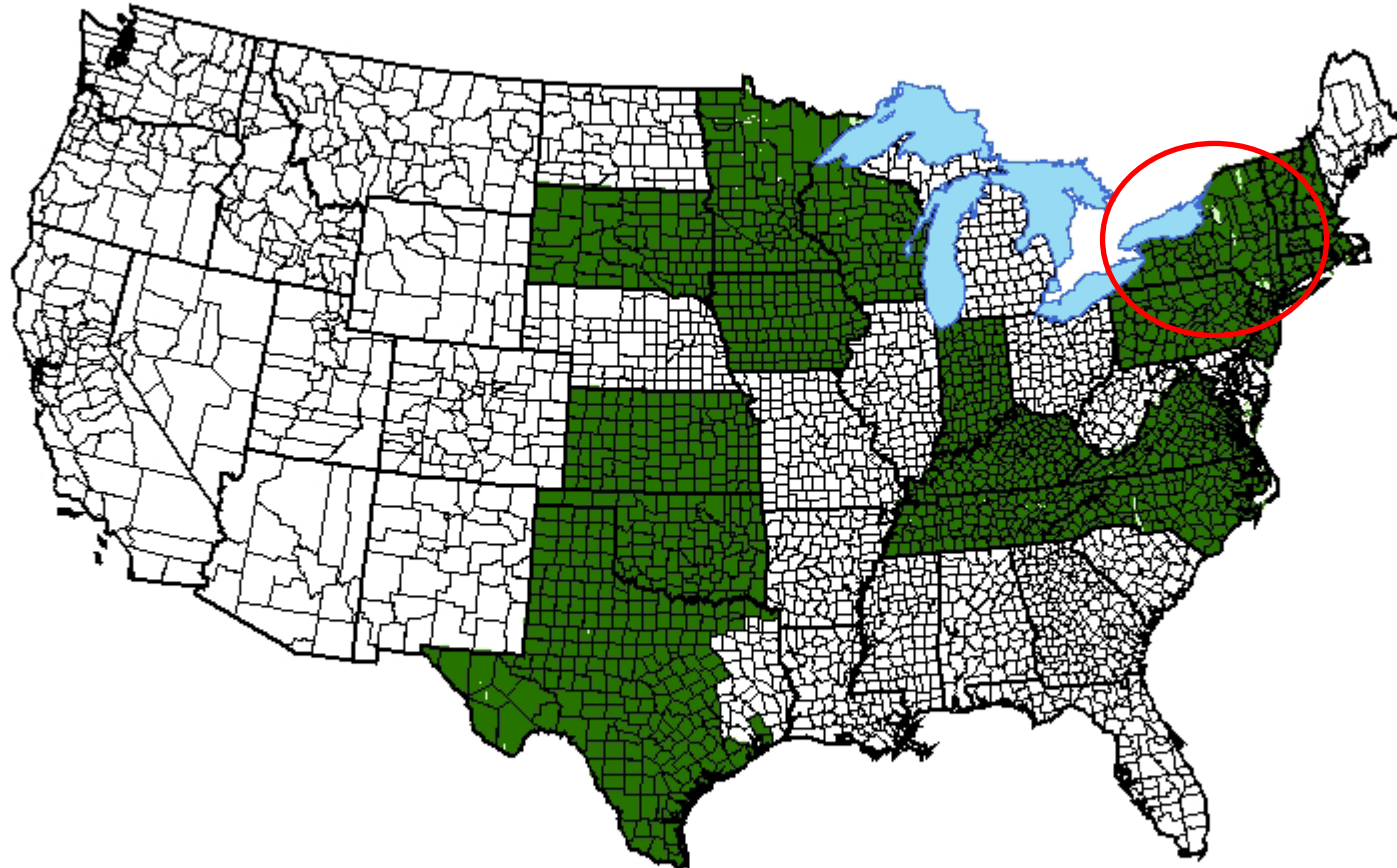
73,468 DOQQs

1,063,349 Sq. Miles

2008 NAIP Contractors



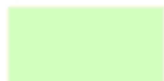
2008 NAIP Imagery Status



New York
Incomplete.
Potential Remedies:
- Use existing
- Finish 2009



AREAS FLOWN

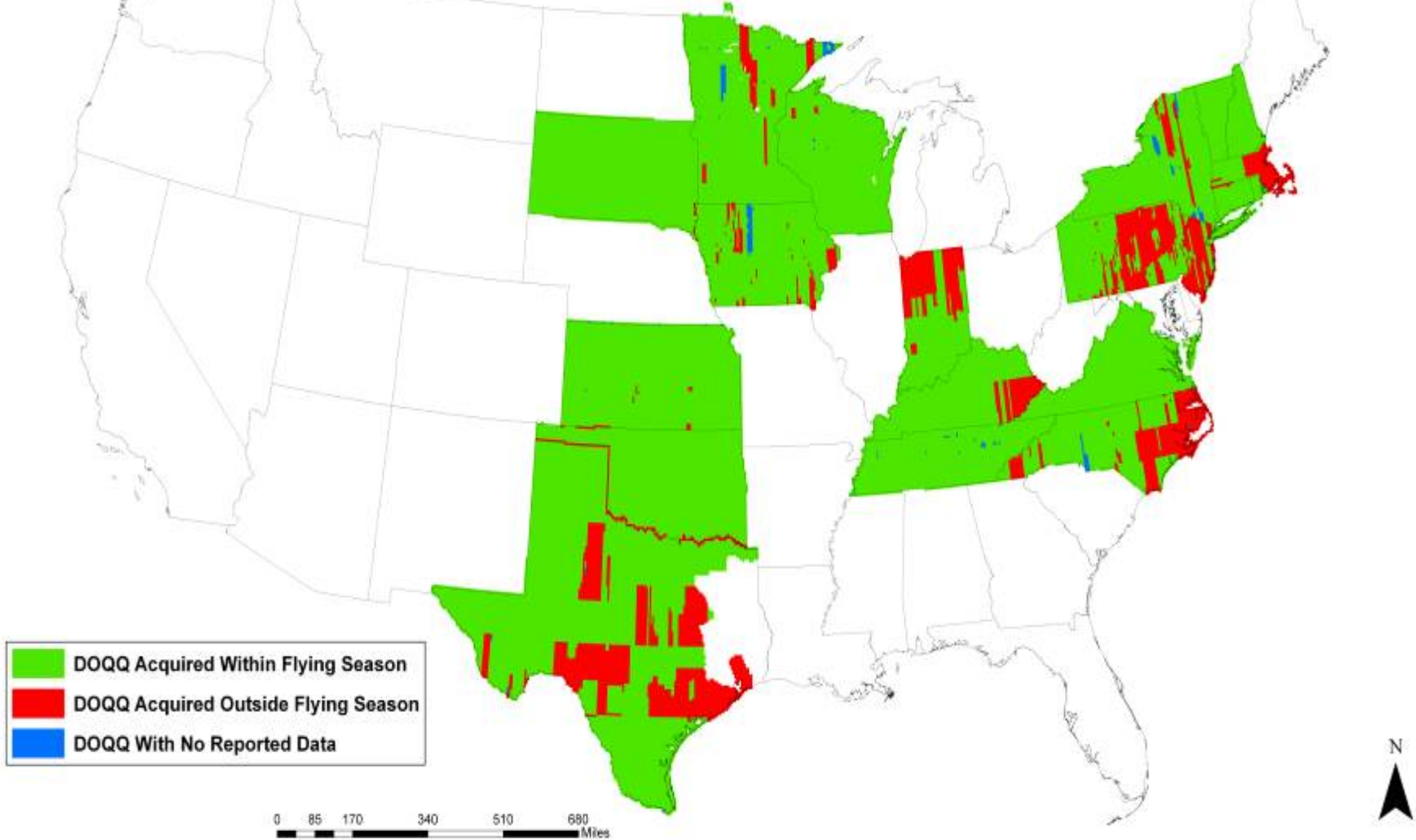


AREAS CONTRACTED

99.7% of DOQQs Flown

73,236 - DOQQ'S FLOWN

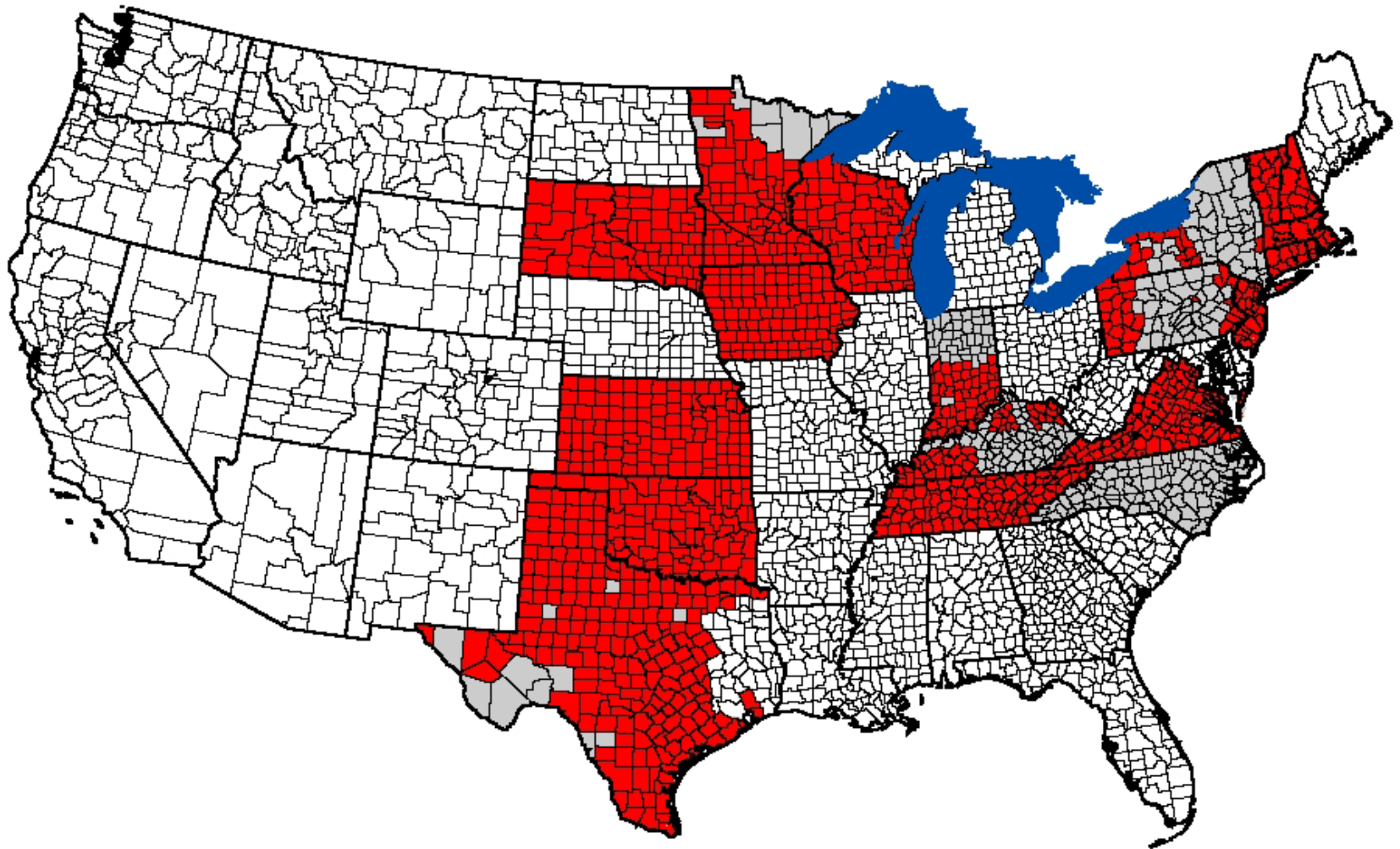
87% of imagery was flown within original season



This map illustrates NAIP 2008 DOQQ flying seasons versus vendor reported acquisition dates. DOQQs that have an acquisition date within a flying season are in green. If the acquisition date is before or after a flying season, the DOQQ is colored red. Note: this map does not take into account season extensions. DOQQs in blue have no reported data.

2008 NAIP COMPRESSED COUNTY MOSAICS (CCM)

November 24, 2008

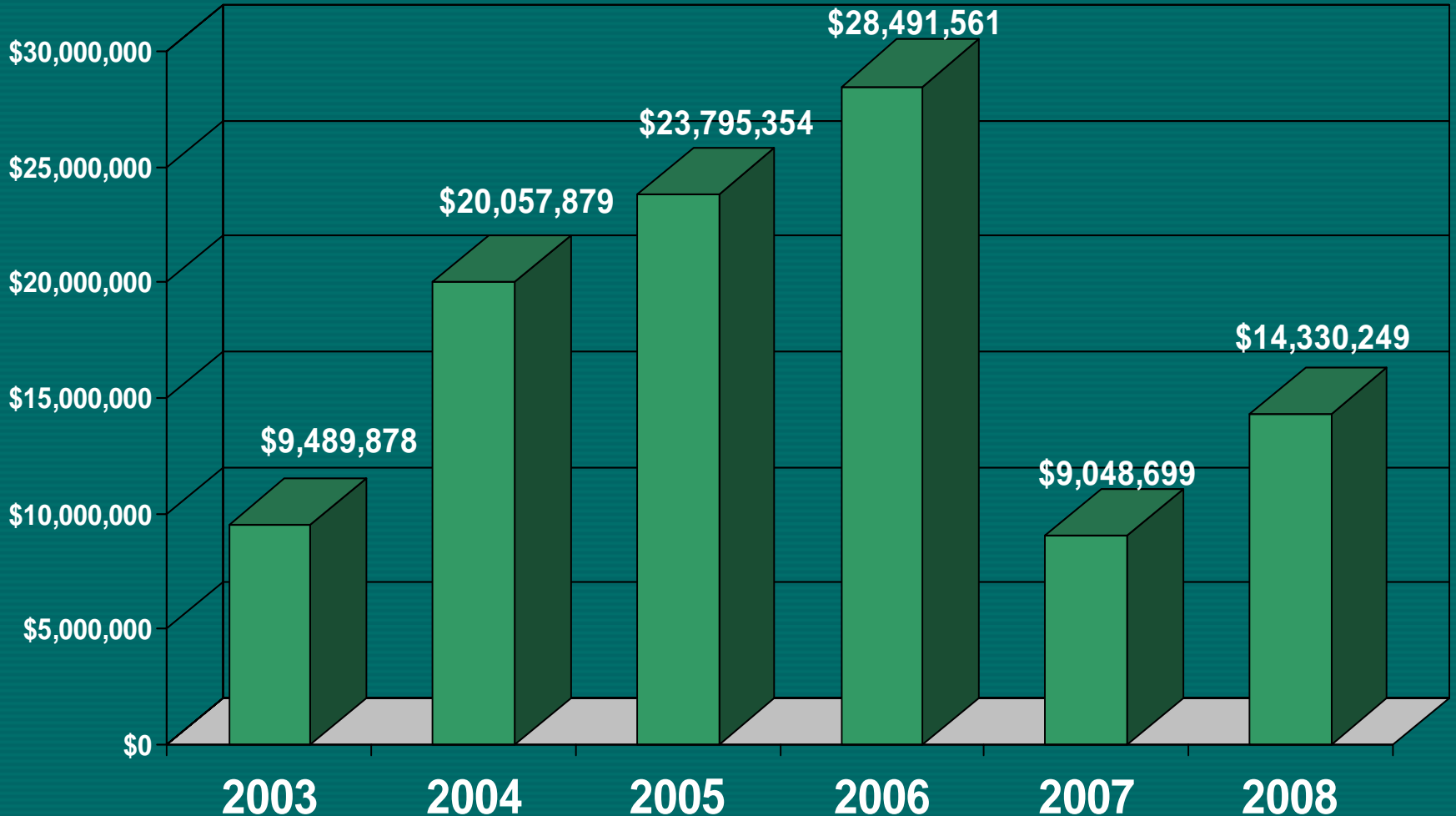


■ COUNTIES CONTRACTED
■ COUNTIES AVAILABLE

82% of DOQQs received

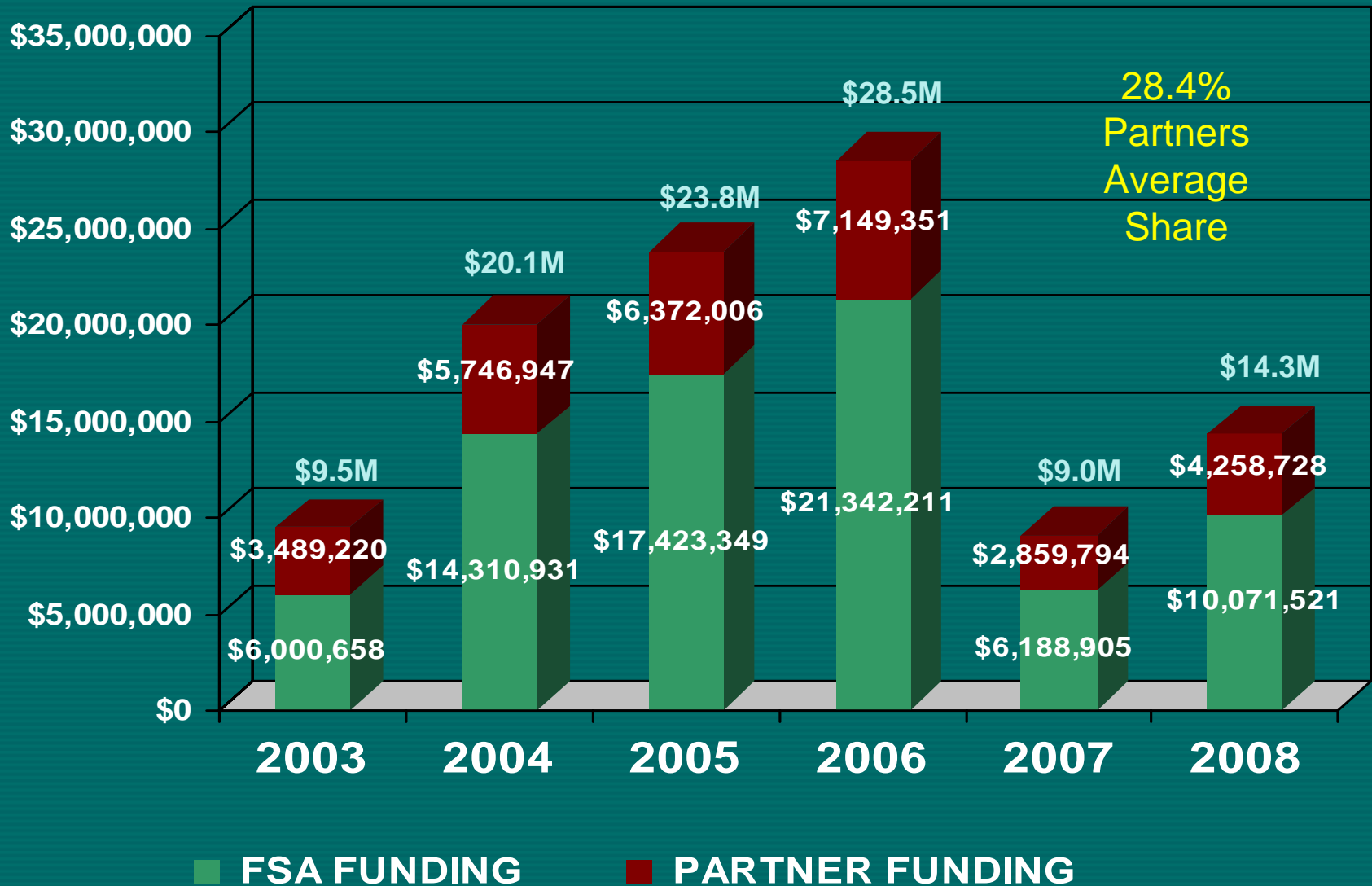
USDA NAIP HISTORY

NAIP Contract Awards 2003 - 2008



NAIP Funding History

2003 - 2008 USDA NAIP Contracts

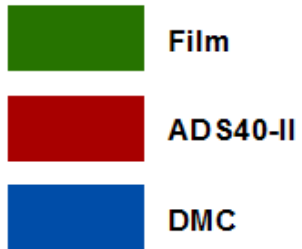
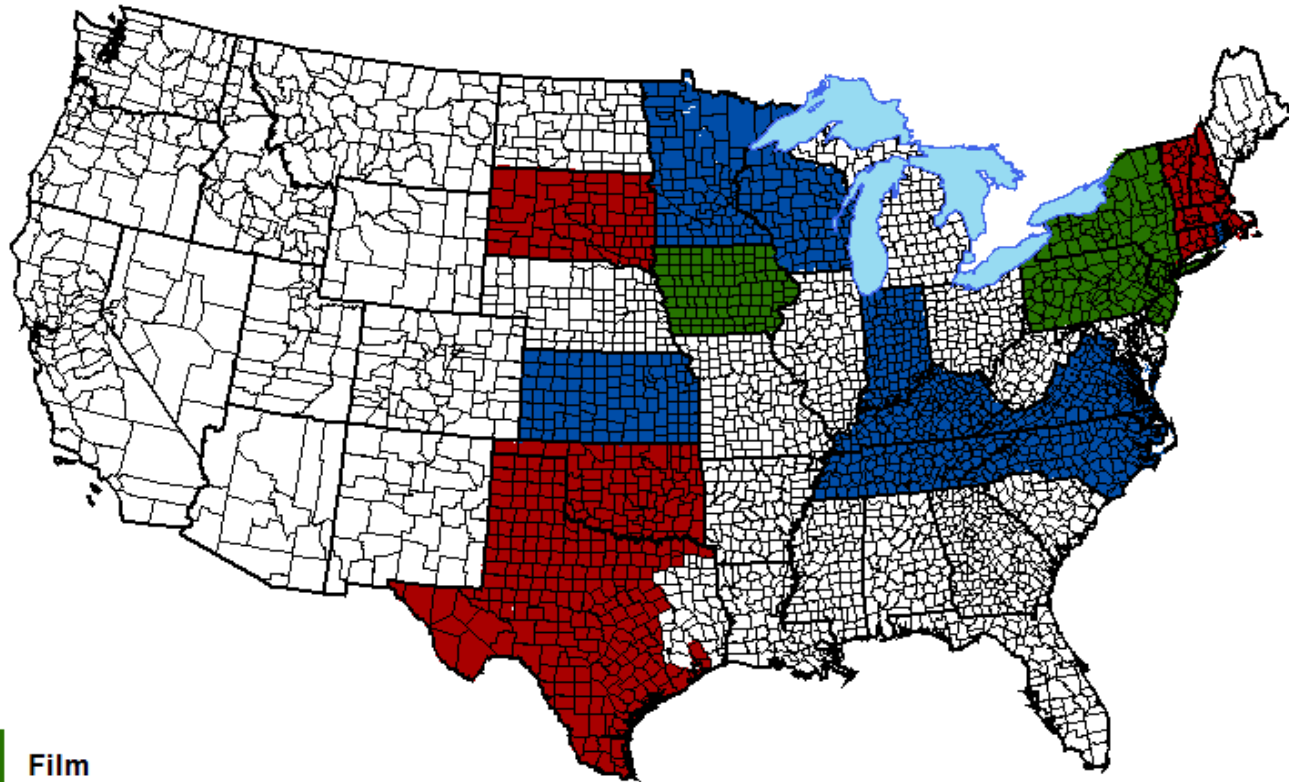


2008 NAIP Funding Sources

U.S. Forest Service	\$1,140,000
Natural Resource Consvr. Service	\$500,000
U.S. Geological Survey	\$150,000
FSA RMA (Coop with WVU)	\$50,000
State Governments (12 states)	<u>\$2,418,728</u>
Total 2008 Cost Shares:	\$4,258,728
FSA Funding Amount	<u>\$10,071,521</u>
2008 NAIP Funding Total:	\$14,330,249

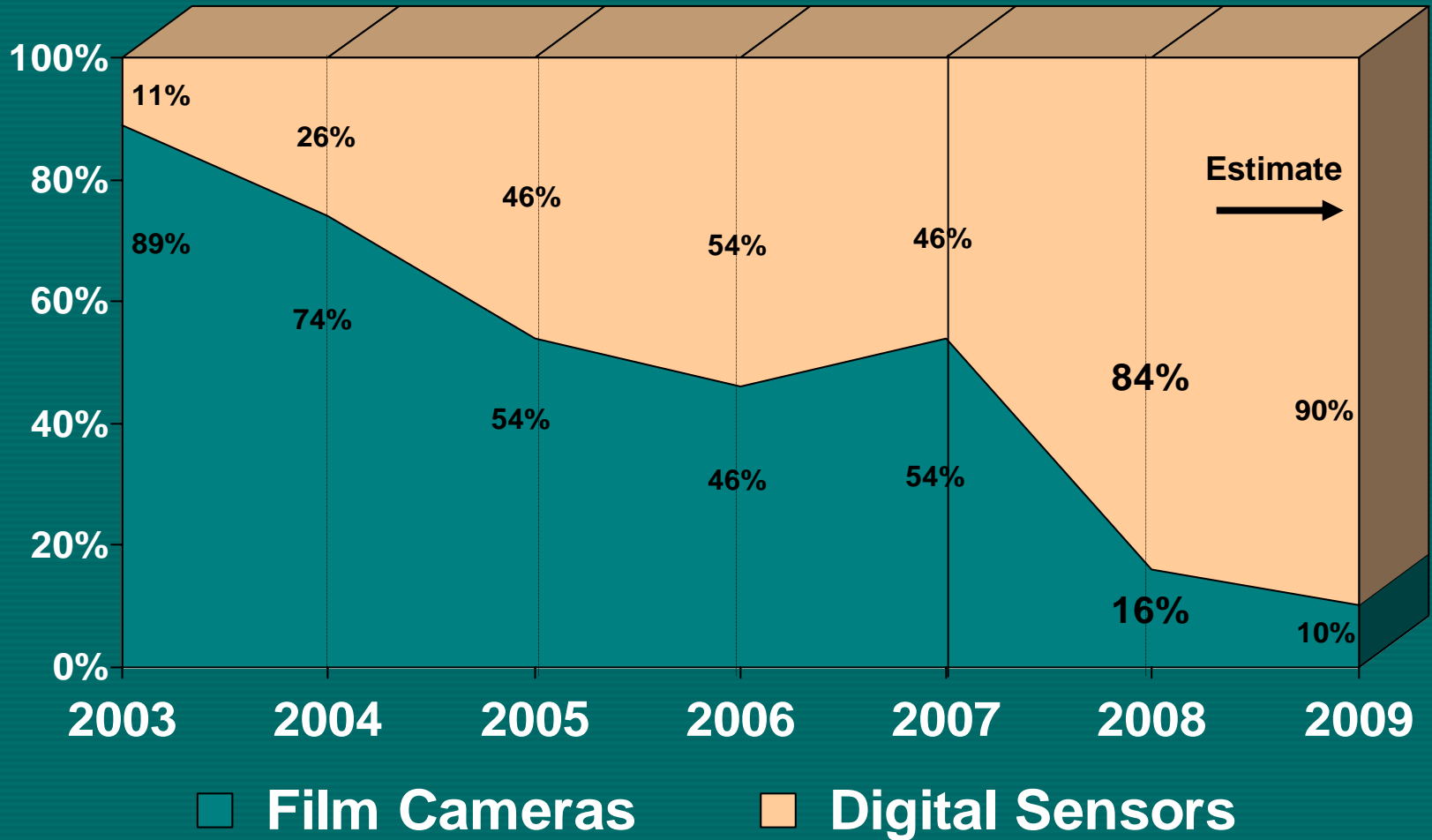


2008 NAIP CAMERA TYPES

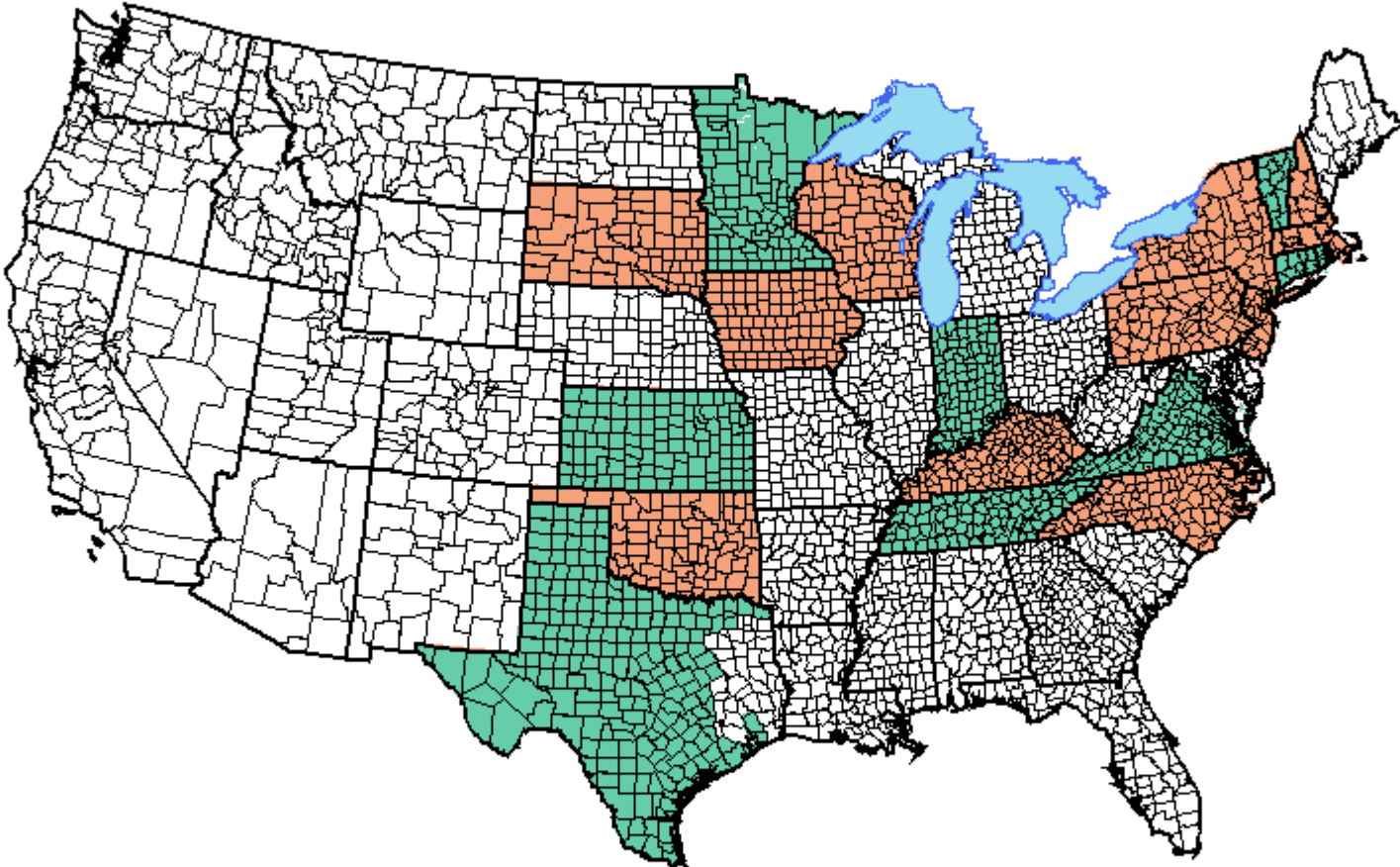


NAIP Camera Trends

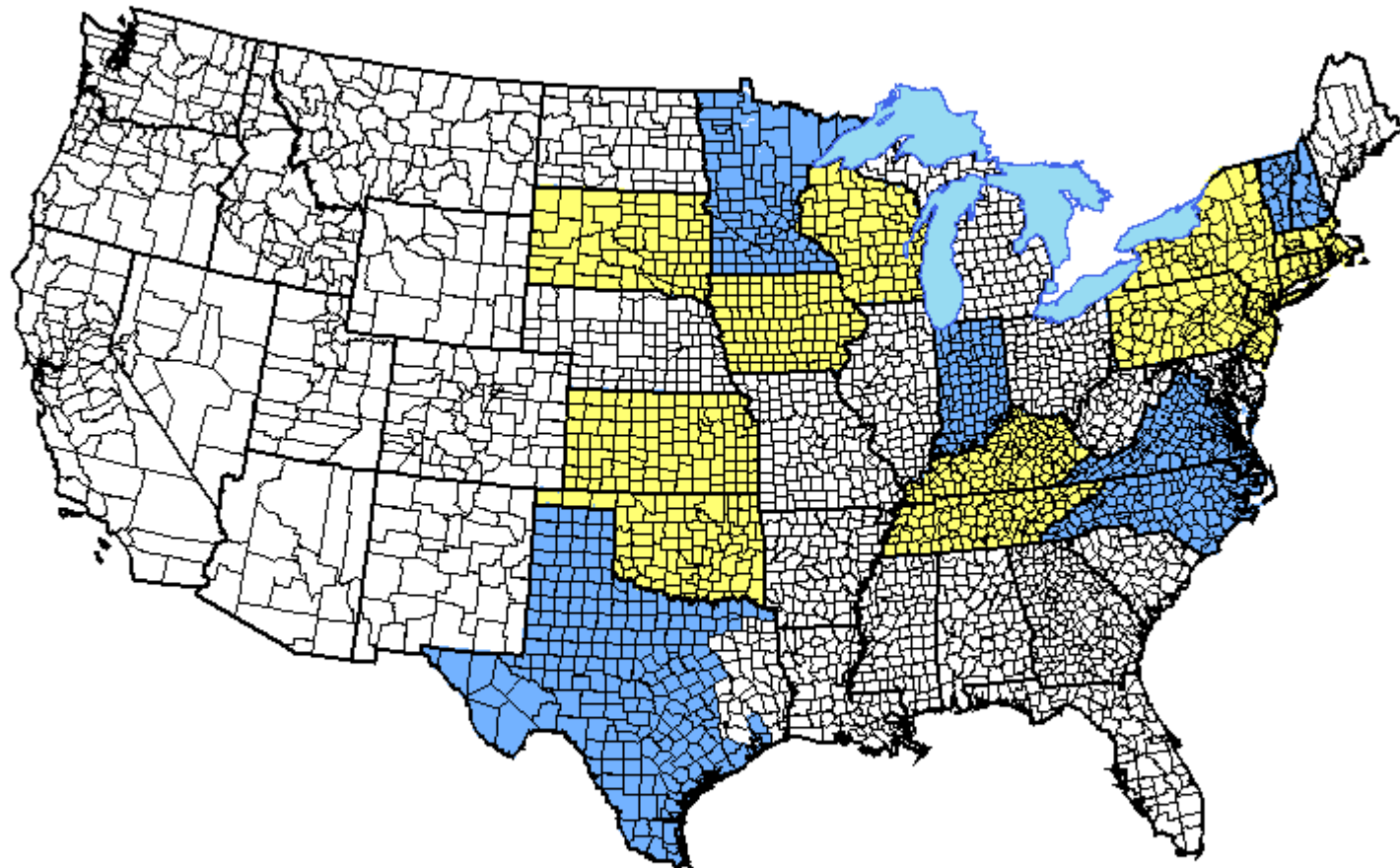
Film Cameras vs. Digital Sensors

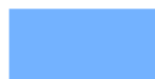



2008 NAIP 3 BAND VS 4 BAND



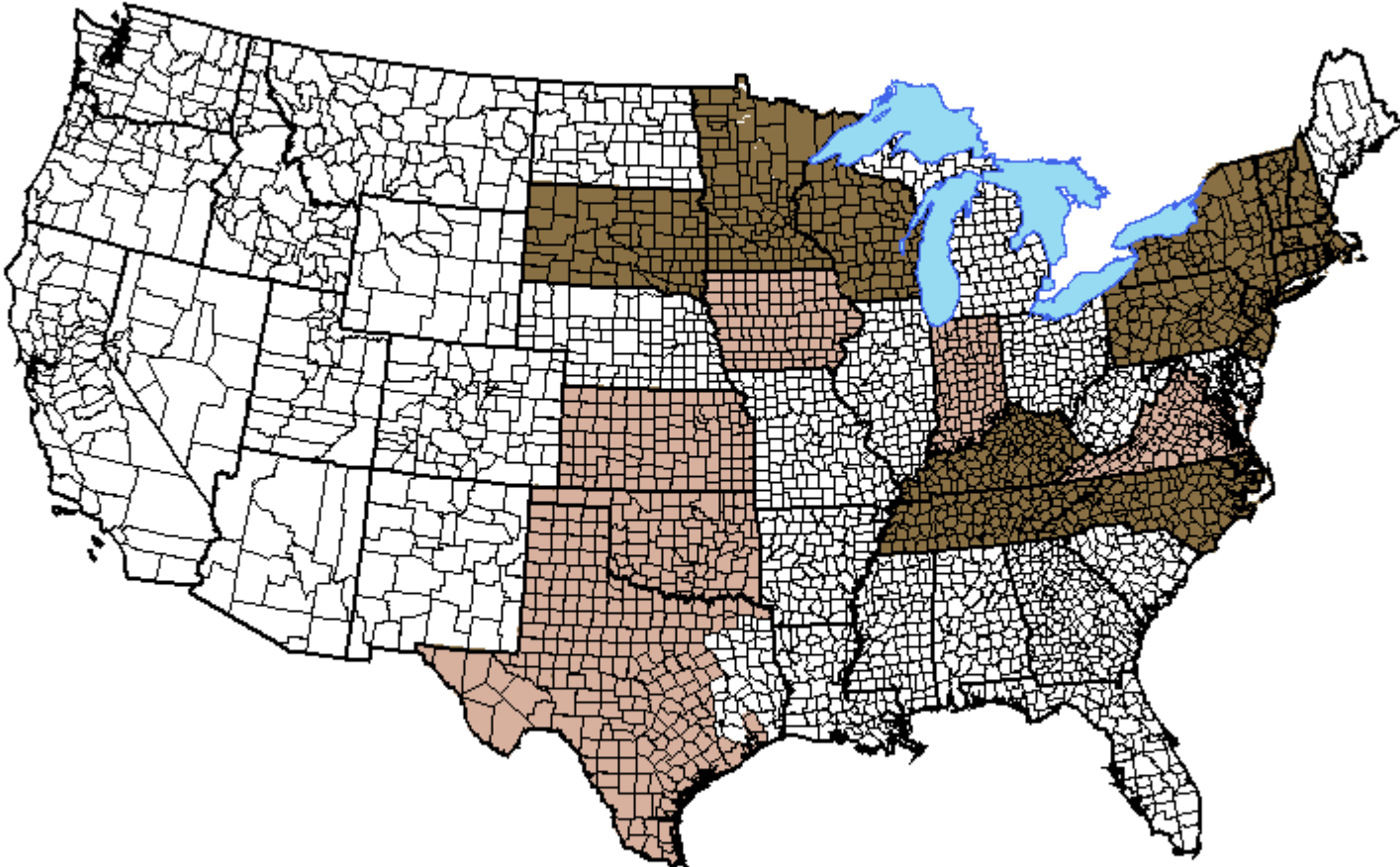
2008 NAIP ABSOLUTE VS RELATIVE CONTROL



 ABSOLUTE CONTROL 45%

 RELATIVE CONTROL

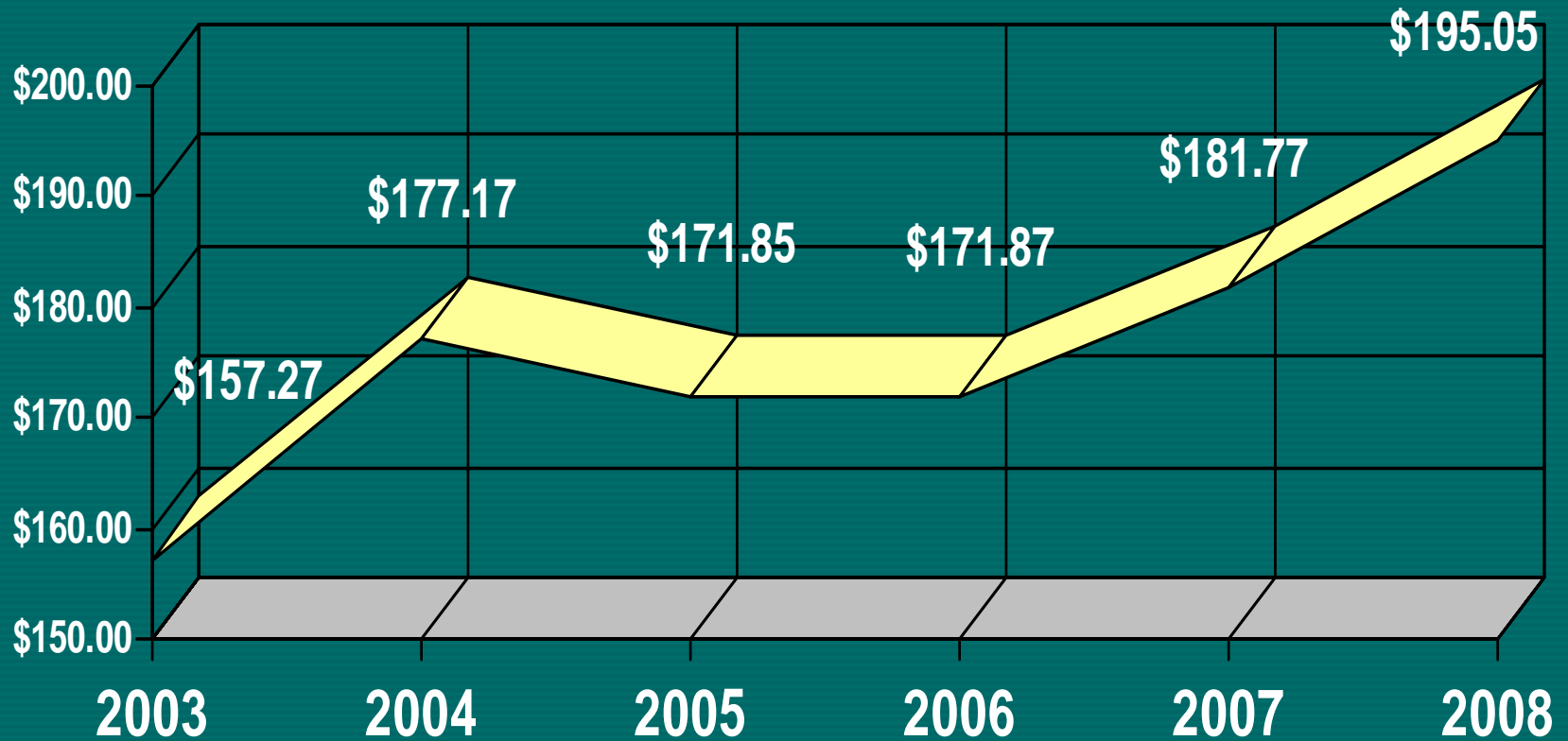
2008 NAIP SHAPE FILE TYPE



NAIP DOQQ Pricing History

2003 - 2008 USDA NAIP Contracts

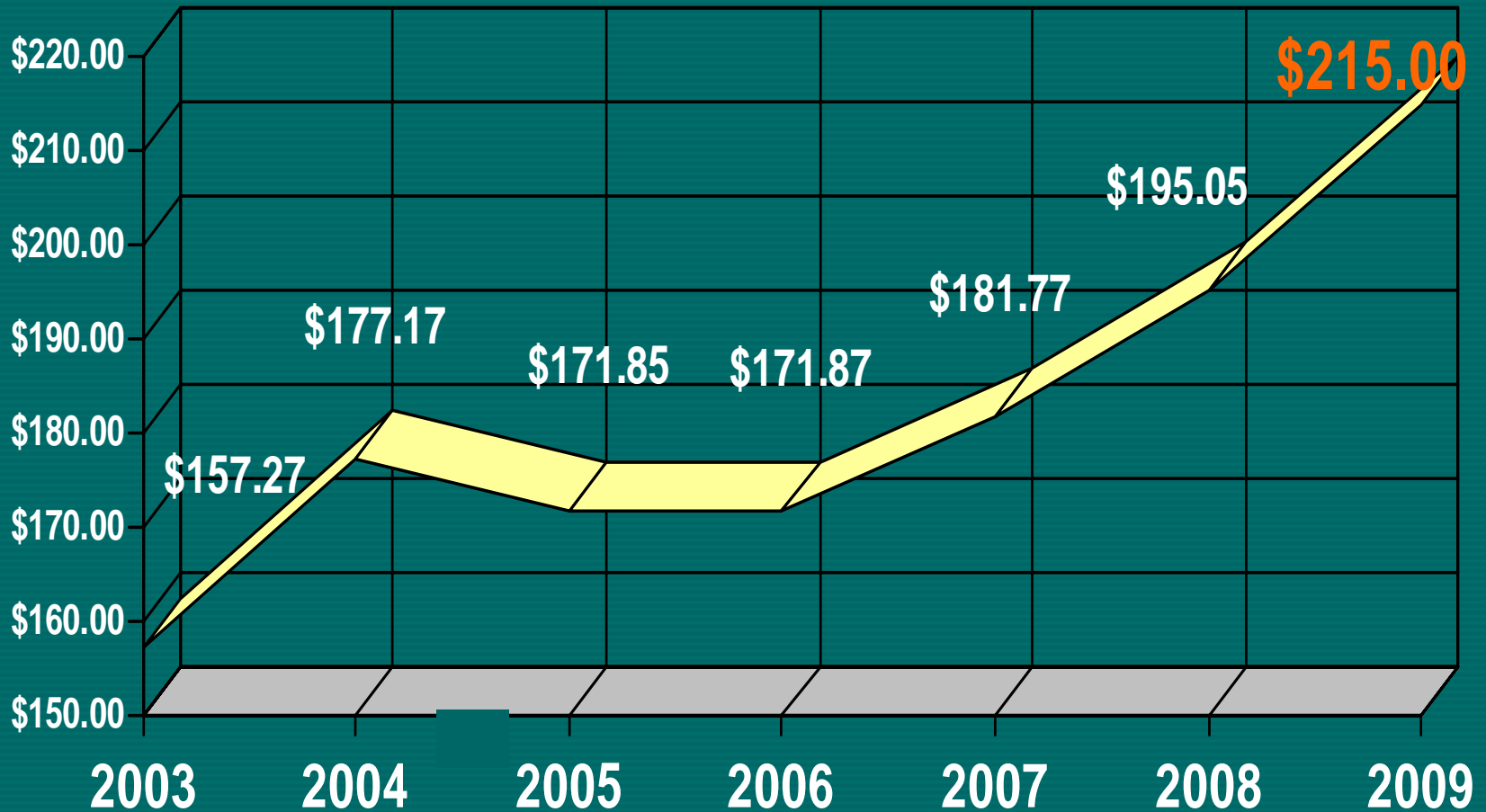
Average Price per DOQQ



NAIP DOQQ Pricing History

2009 NAIP DOQQ Price Estimate

Price Estimate Based On 10% Increase



NAIP QUESTIONS ???



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2008 Small Area Contract (SAC)

NRI-WRP Contract Review

2008 is the 4th year of a 5 year IDIQ contract

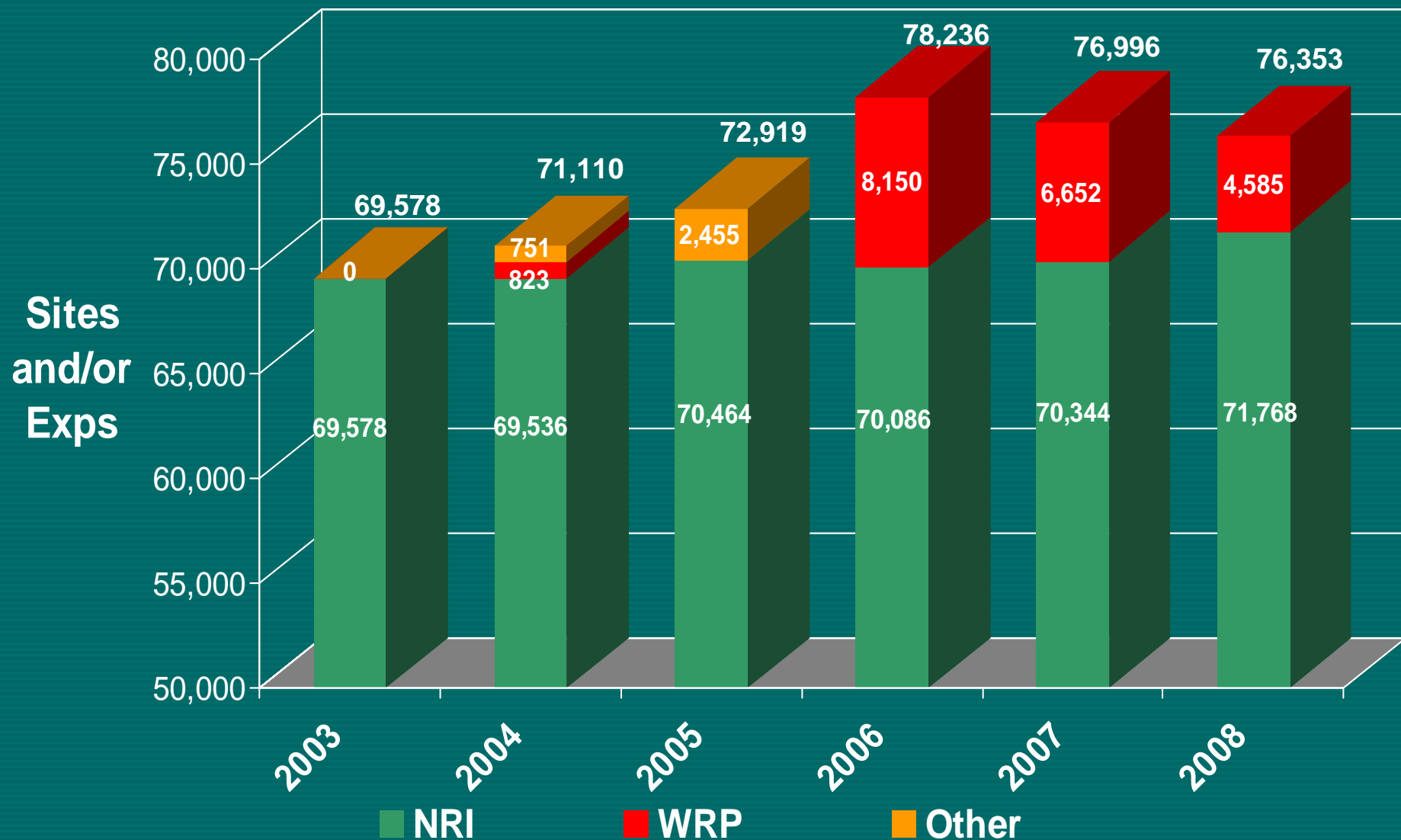


In June 2008 QA inspection of NRI and WRP imagery was moved from Contracting to the Resource Imagery Inspection Section.



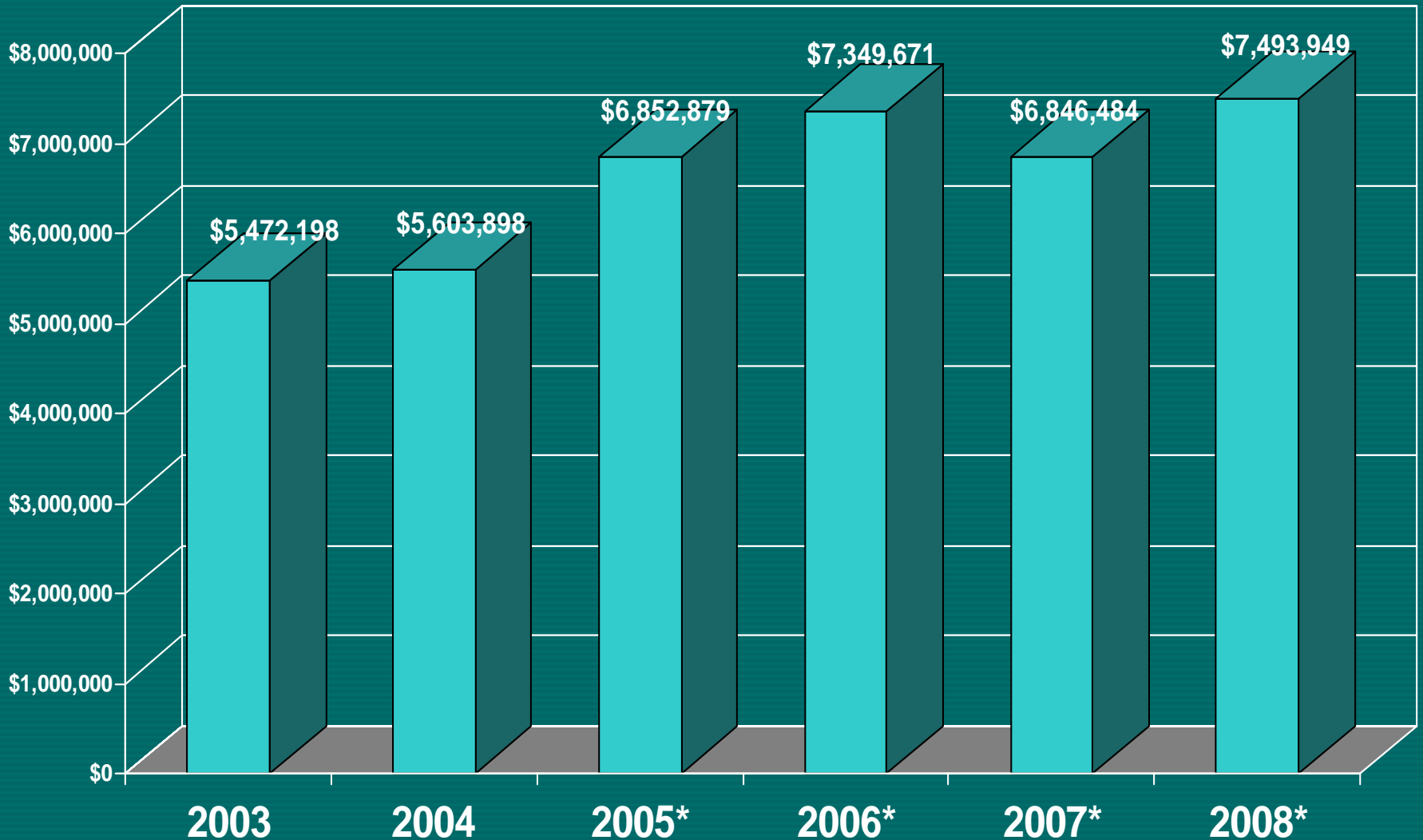
History of SAC Contracts

2003 – 2008 USDA SAC Aerial Imagery Contracts



SAC Contract Awards

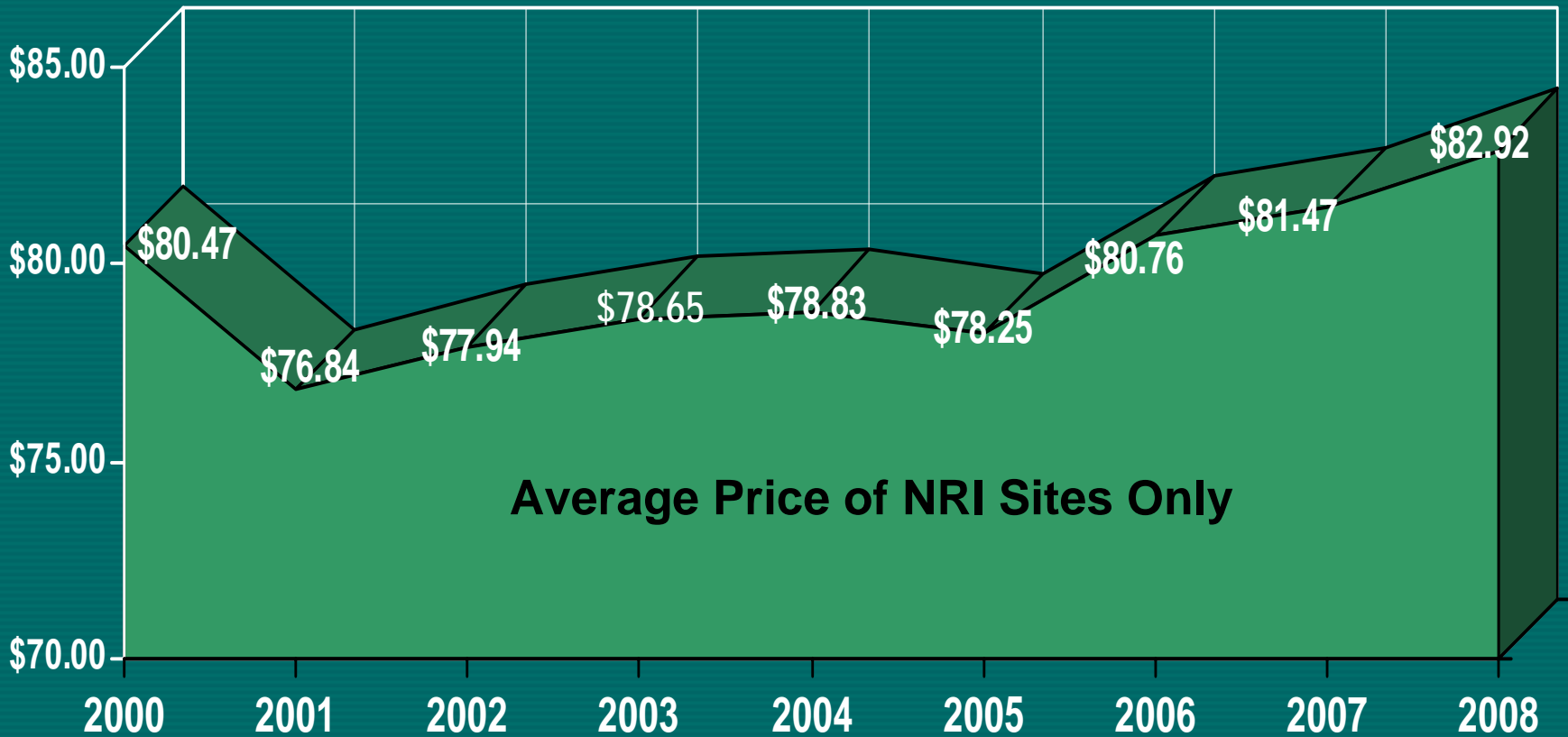
2003 – 2008 USDA SAC Aerial Imagery Contracts



* Awards Include All SAC Sites & Other Services

NRI Site Pricing

2000 - 2008 USDA NRI Aerial Imagery Contracts

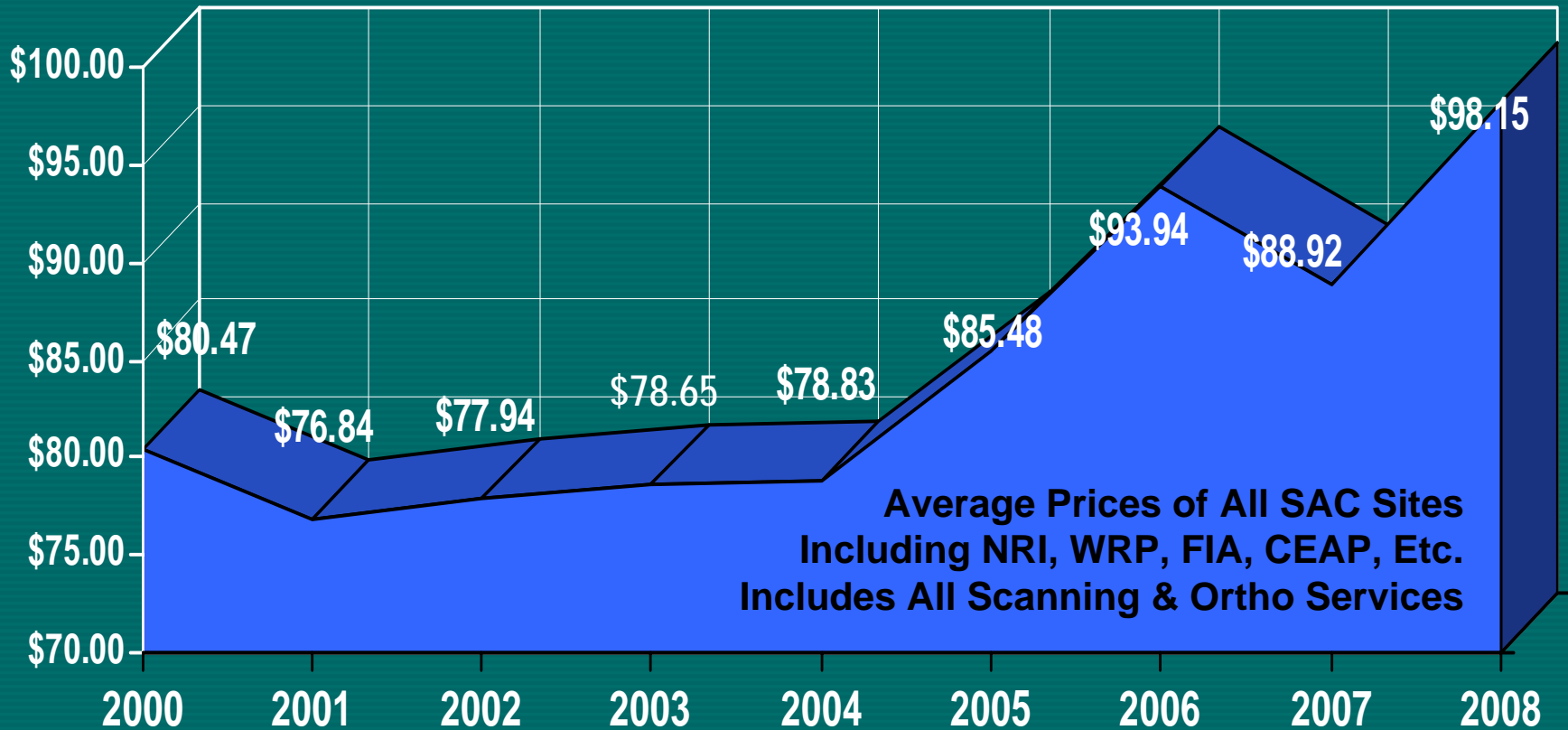


Quantities

Awarded: 37,520 72,751 49,989 69,591 71,110 70,464 69,636 70,344 70,555

SAC Site Pricing

2000 - 2008 USDA SAC Aerial Imagery Contracts



**Average Prices of All SAC Sites
Including NRI, WRP, FIA, CEAP, Etc.
Includes All Scanning & Ortho Services**

Quantities

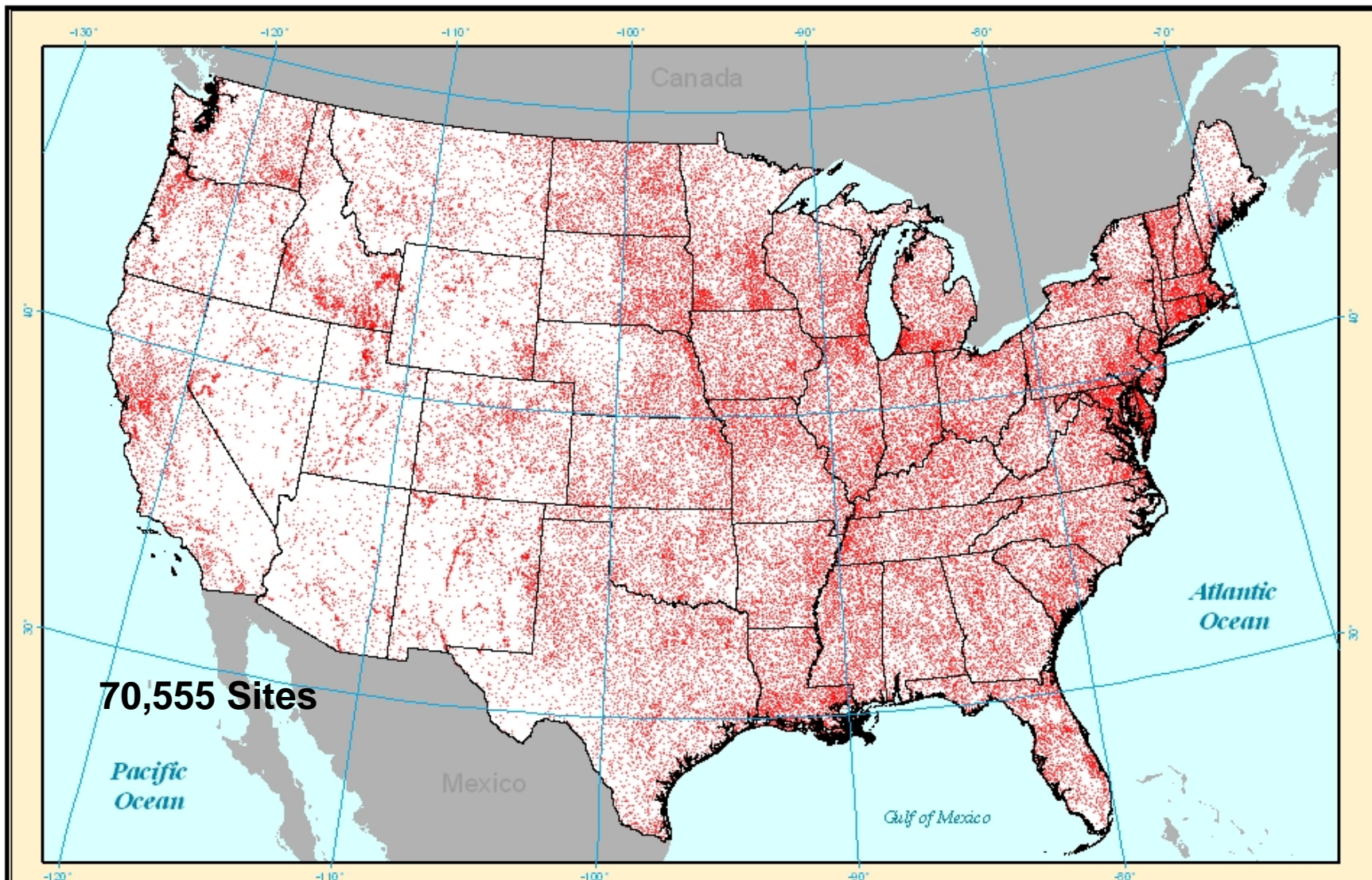
Awarded: 37,520 72,751 49,989 69,591 71,110 72,919 78,236 76,996 76,353

Includes All Sites Awarded

USDA Small Area Contract (SAC)

2008 Projects/Task Orders

- **2008 NRI Small Area Contracts**
 - **2008 CONUS**
 - **2008 Alaska (& 2007 Alaska Update)**
 - **2008 Hawaii**
 - **2008 Puerto Rico & U.S. Virgin Islands**
- **2008 WRP (Part 1) Contract**
(2007 Contract Award)
- **2008 WRP (Part 2) Contract**



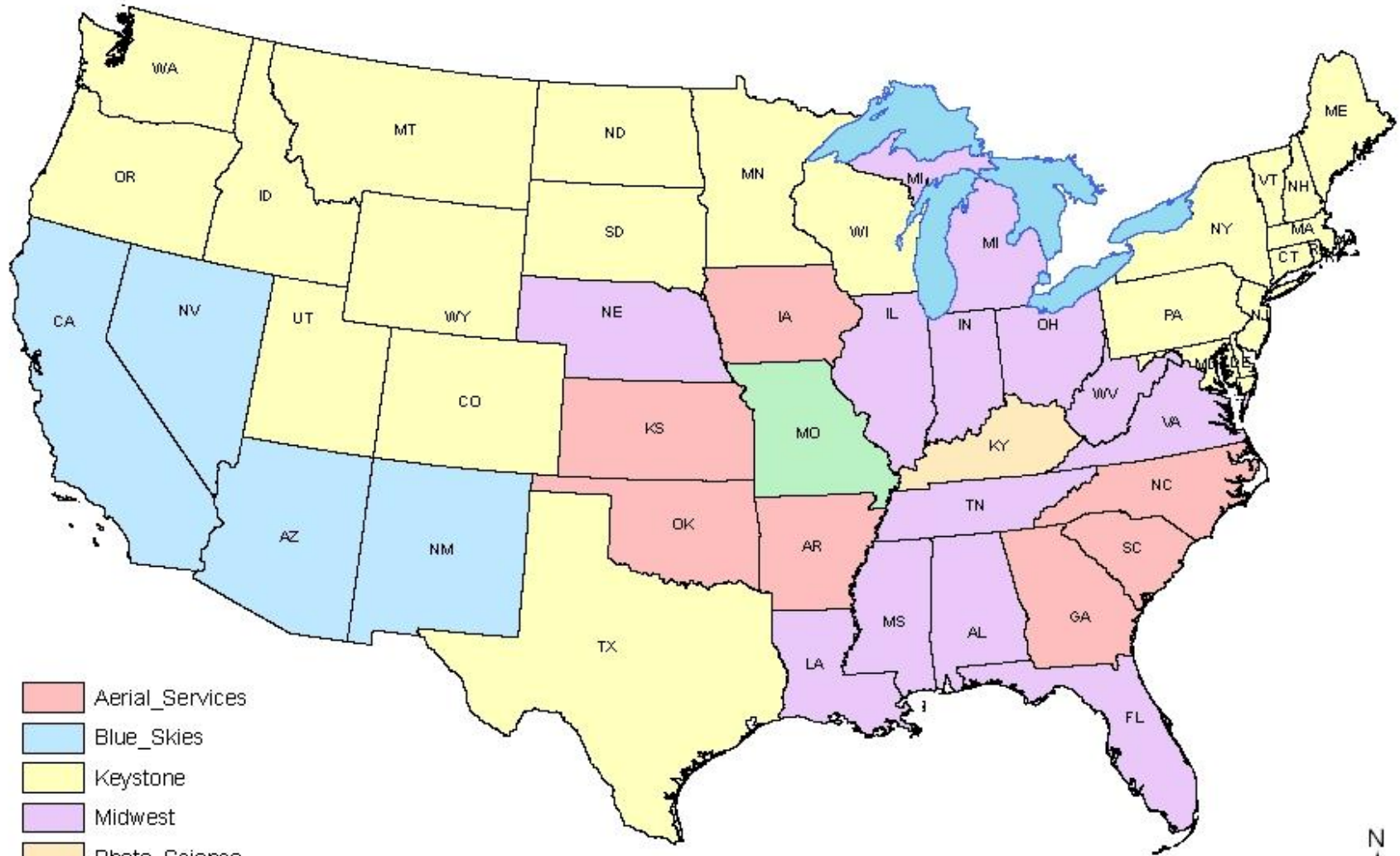
Albers Projection
Central Meridian: -96
1st GM Parallel: 20
2nd GM Parallel: 60
Latitude of Origin: 40

2008 NRI CONUS Sample

2008 NRI Sample
Nov. 2007

USDA-HRCS
National Cartography and Geospatial Center
Fort Worth, TX

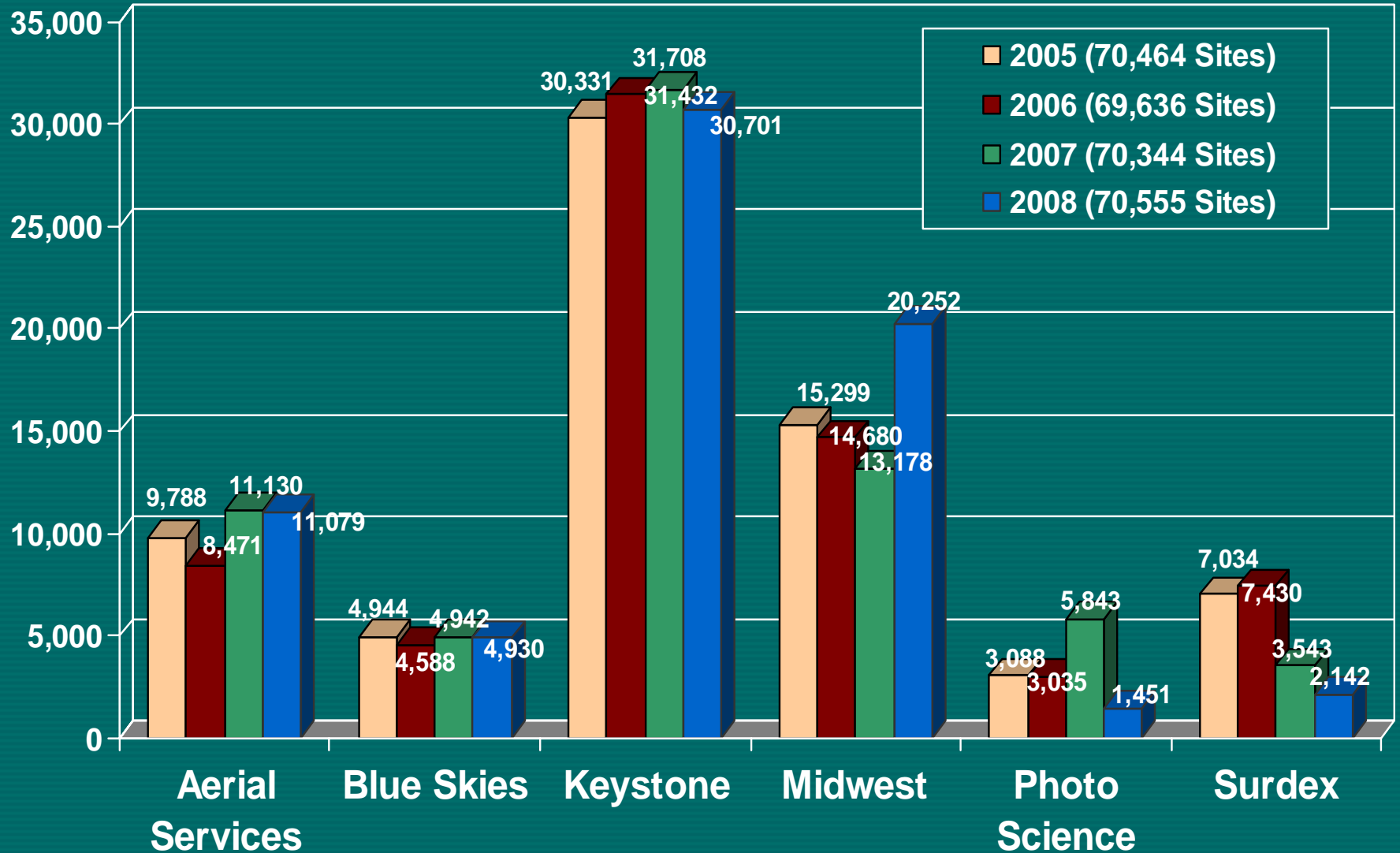
2008 NRI Contractors



70,555 Sites



NRI CONUS Contract Award History

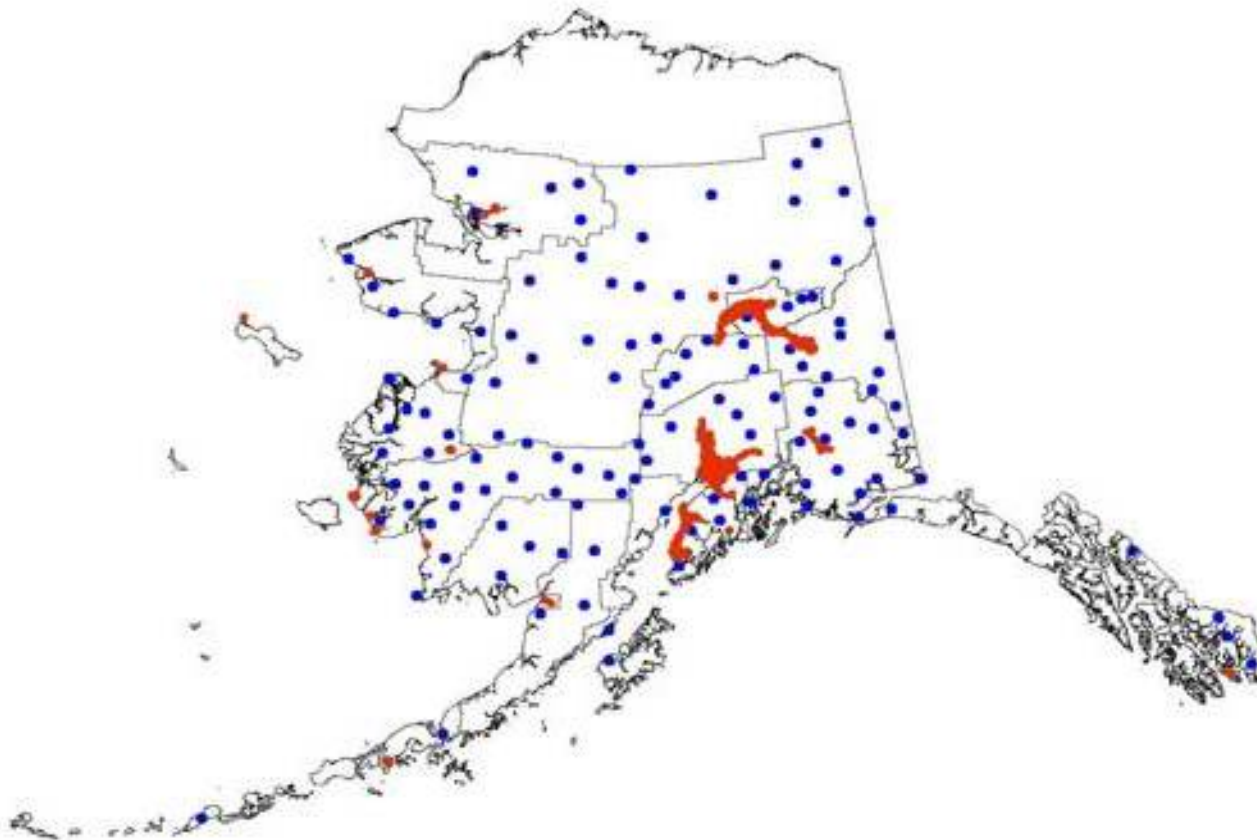


2008 Alaska Segments

- 388 Total Sites
 - 260 Sites 1:7,920
 - 128 Sites 1:40,000
- 71% flown
(277 of 388)

Photo Scale

- 1:7,920
- 1:40,000

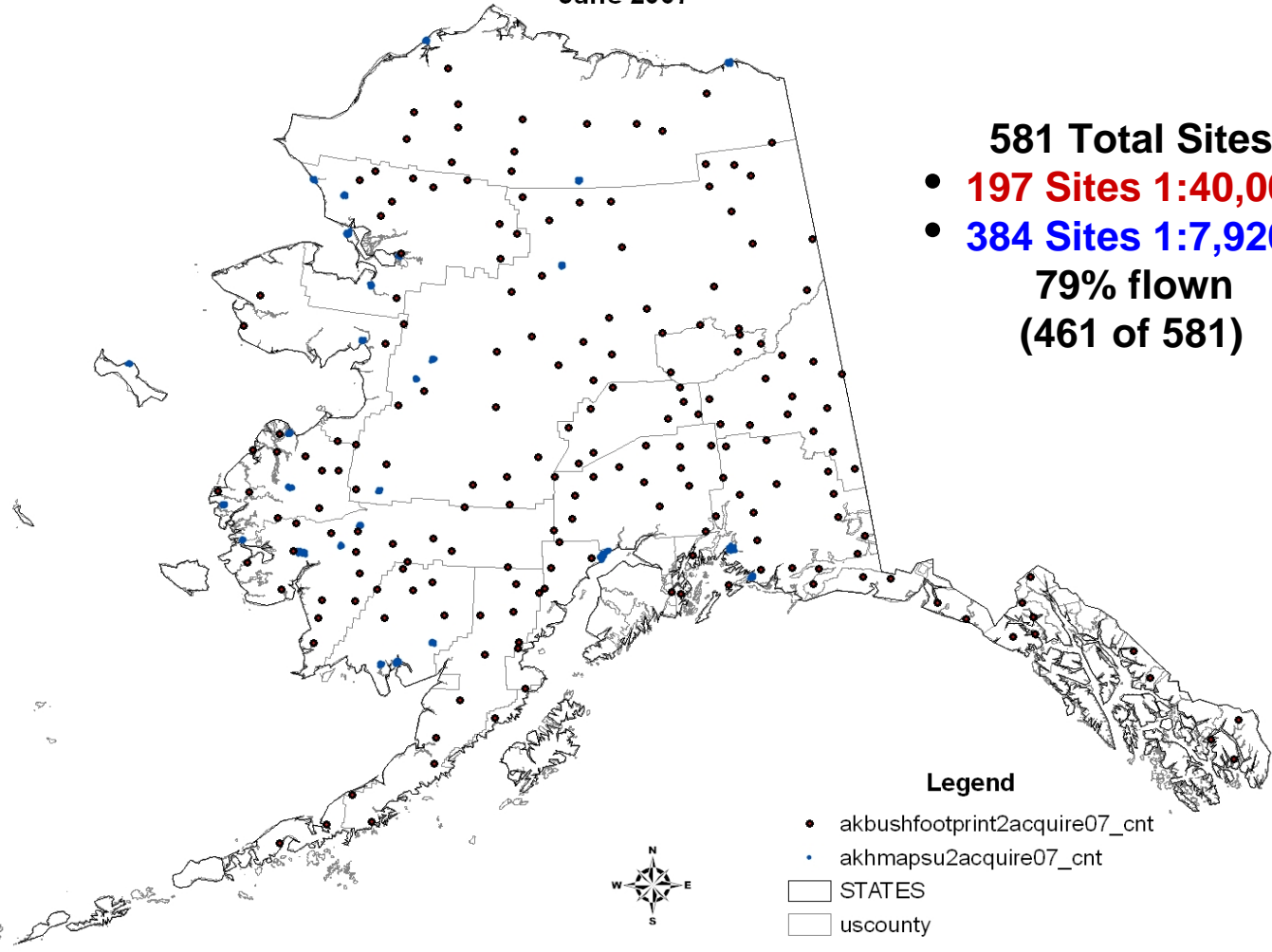


Contractor: Aerial Services, Inc.

0 800 Miles

Alaska 2007 NRI Locations

June 2007



581 Total Sites
● **197 Sites 1:40,000**
● **384 Sites 1:7,920**
79% flown
(461 of 581)

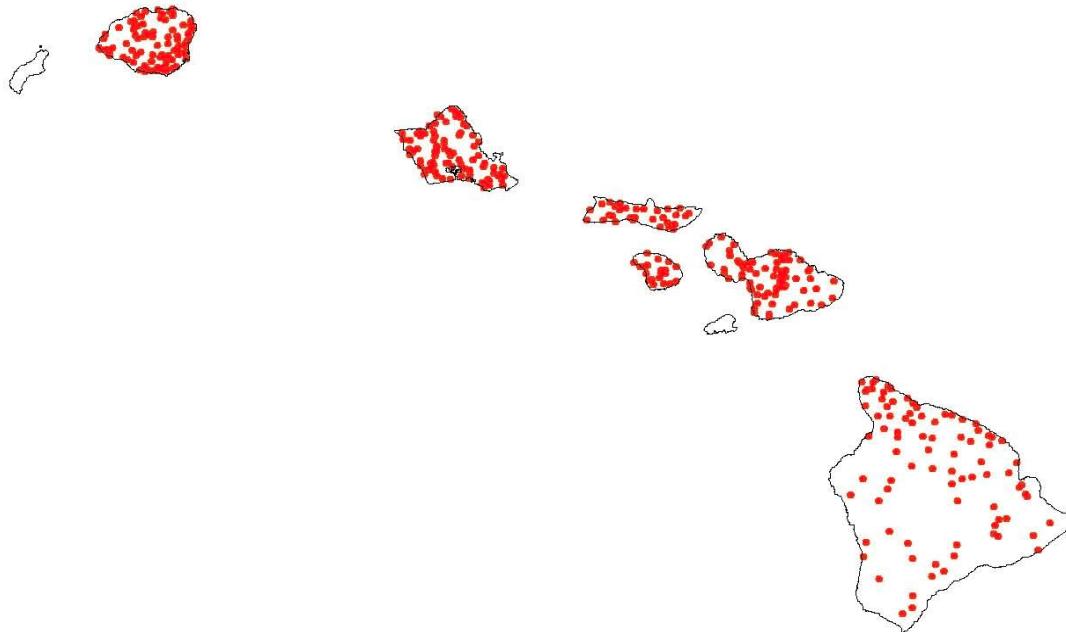
Legend

- akbushfootprint2acquire07_cnt
- akhmapsu2acquire07_cnt
- STATES
- uscounty

Contractor: Aerial Services, Inc.

United States Department of Agriculture - Natural Resources Conservation Service

Contractor: Aerial Services, Inc.



2008 Hawaii Sites

375 Total Sites
80% flown
(301 of 375)

Photo Scale

Us_rfp_08_cnt.shp

• 1:7,920

Flying Season: January 31 – December 31, 2008



Contractor: Aerial Services, Inc.

Puerto Rico and the US Virgin Islands - Sites

450 Total Sites
100% flown

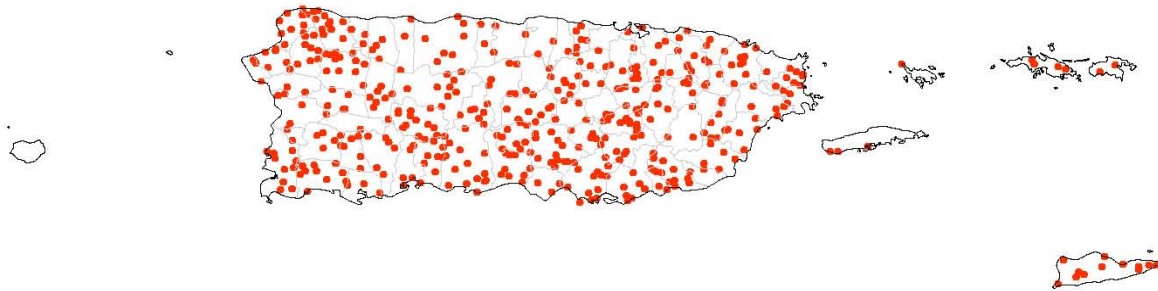


Photo Scale

Us_rfp_08_cnt.shp

• 1:7,920

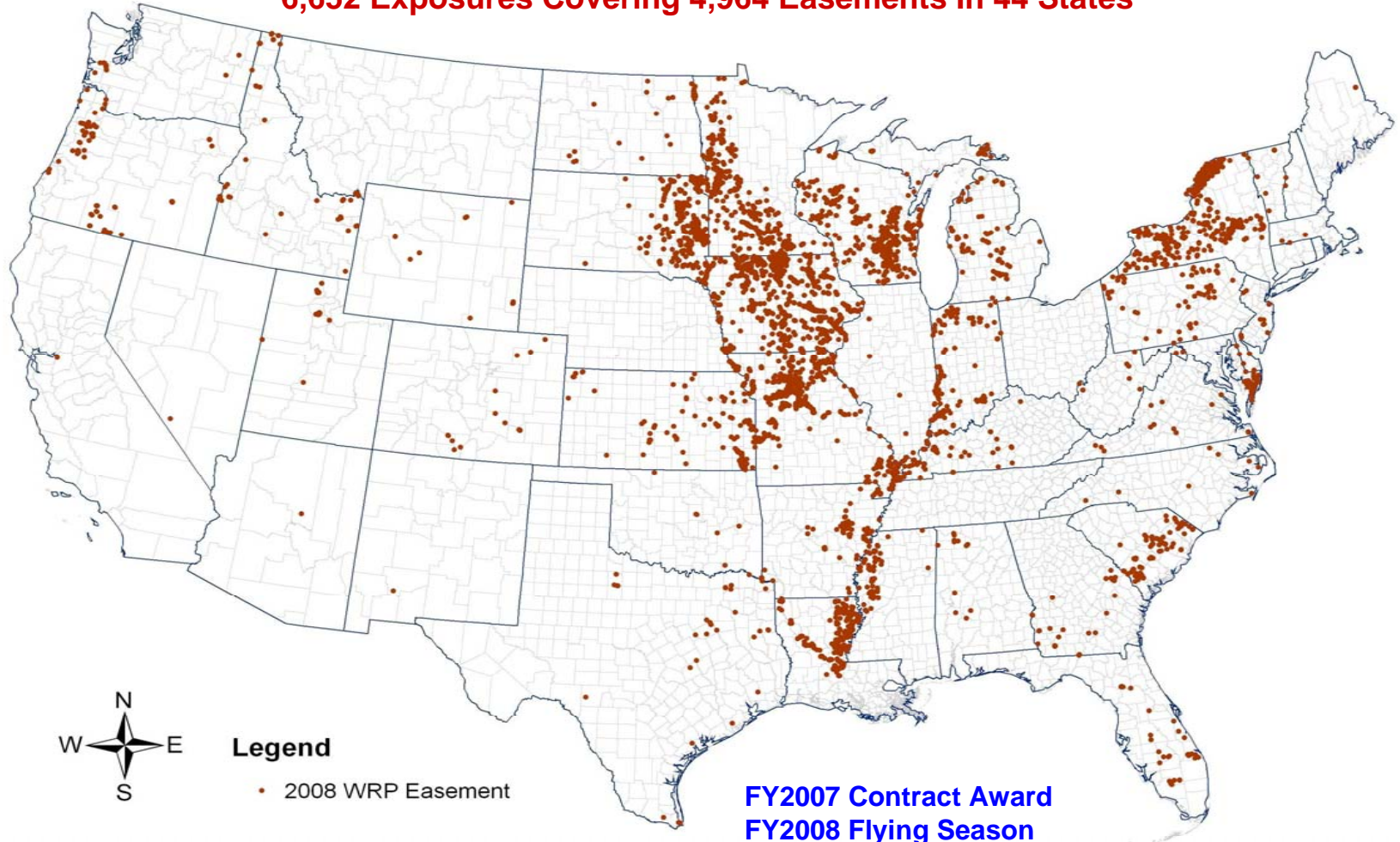
Flying Season: January 31, 2008 – December 31, 2008

0 50 Miles

2008 WRP Part 1 (2007) Contract Summary

2008 WETLAND RESERVE EASEMENT LOCATIONS

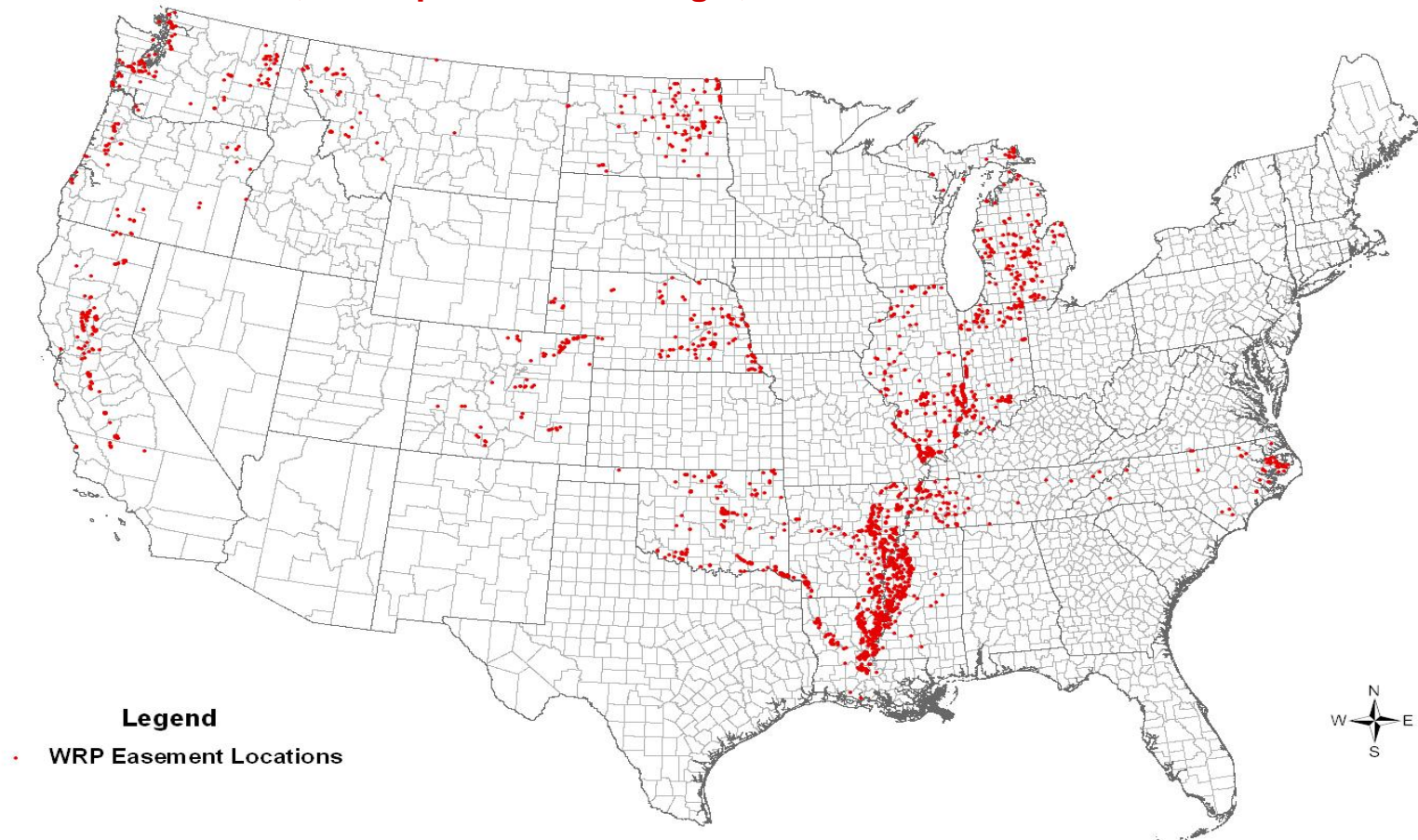
6,652 Exposures Covering 4,964 Easements In 44 States



2008 WRP Part 2 (2008) Contract Summary

2008 WETLAND RESERVE EASEMENT LOCATIONS - PART 2

4,585 Exposures Covering 2,756 Easements In 16 States



Legend

- WRP Easement Locations

United States Department of Agriculture - Aerial Photography Field Office

FY2008 Contract Award & Flying Season

NRI/WRP QUESTIONS ???



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***2008 Resource
Aerial Photography
Contract Summary***



Resource

Aerial Photography

- FY2008 Accomplishments & Statistics
- Specific Review of Current Resource Projects

FY2008 Accomplishments & Statistics

**Contracts Awarded: 11 Resource Aerial
Photography Projects**

Requesting Agencies: USFS, BIA, NRCS (VT)

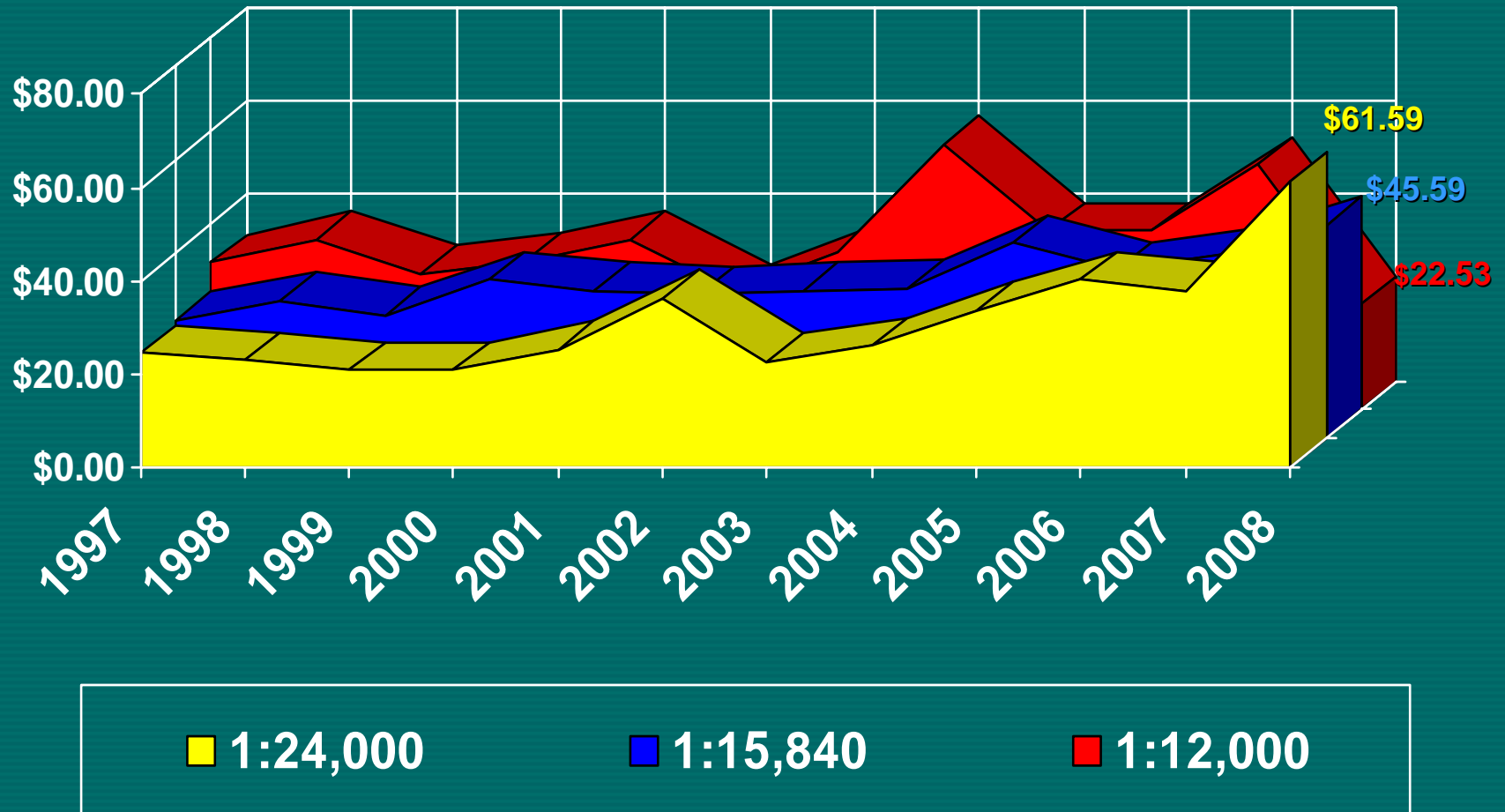
Total Value: \$ 1,373,930.61

Square Miles: 37,451 Square Miles

**Carry-over Contracts: 3 contracts from FY07
5 contracts from FY06
1 contract from FY05
5 contracts from FY04**

Linear Mile Pricing

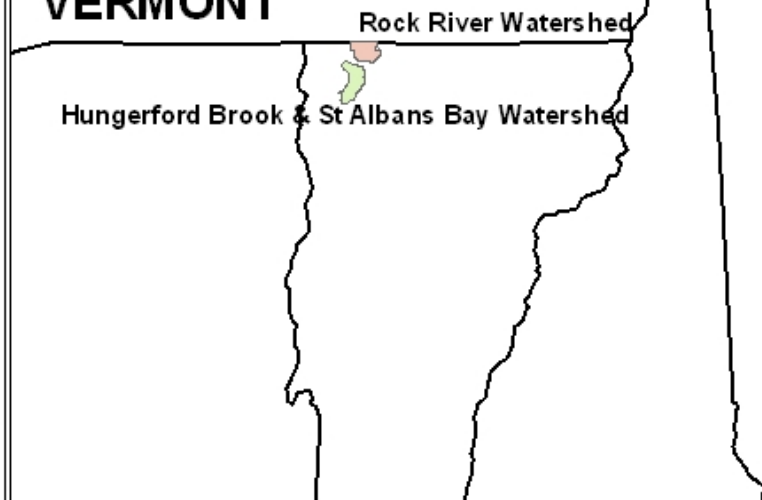
Resource Aerial Photography Projects



RESOURCE PROJECTS MANAGED IN 2008



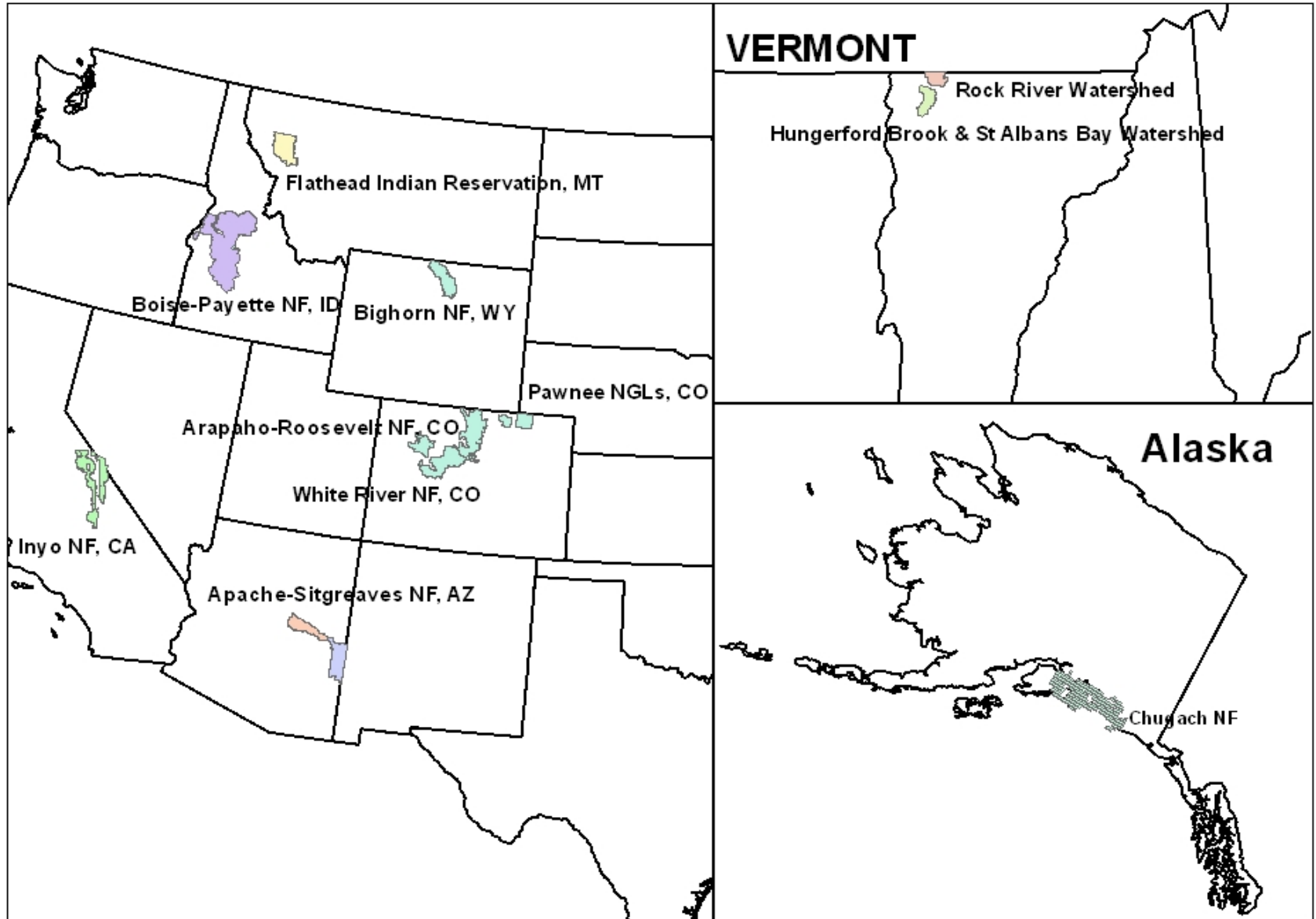
VERMONT



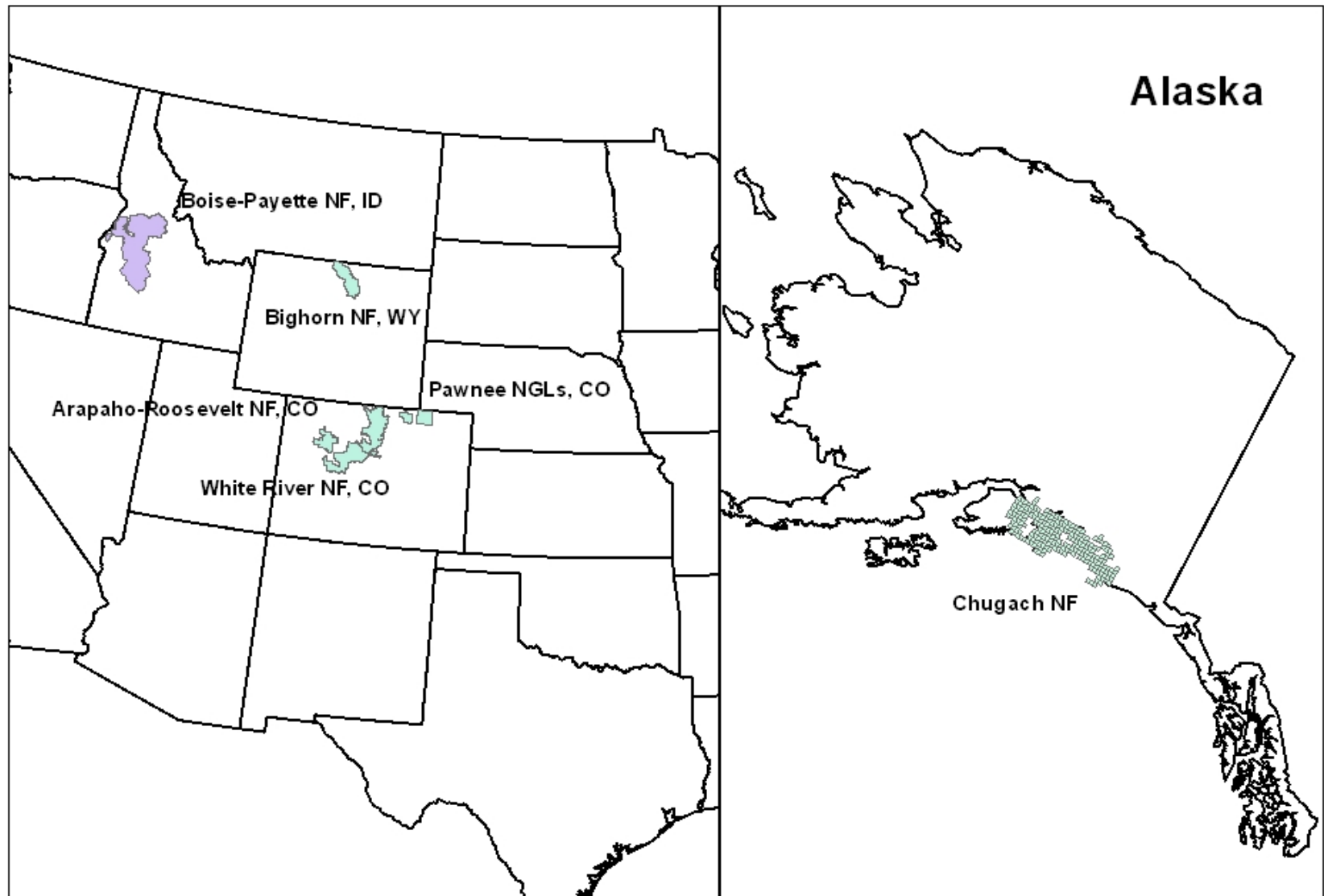
Alaska



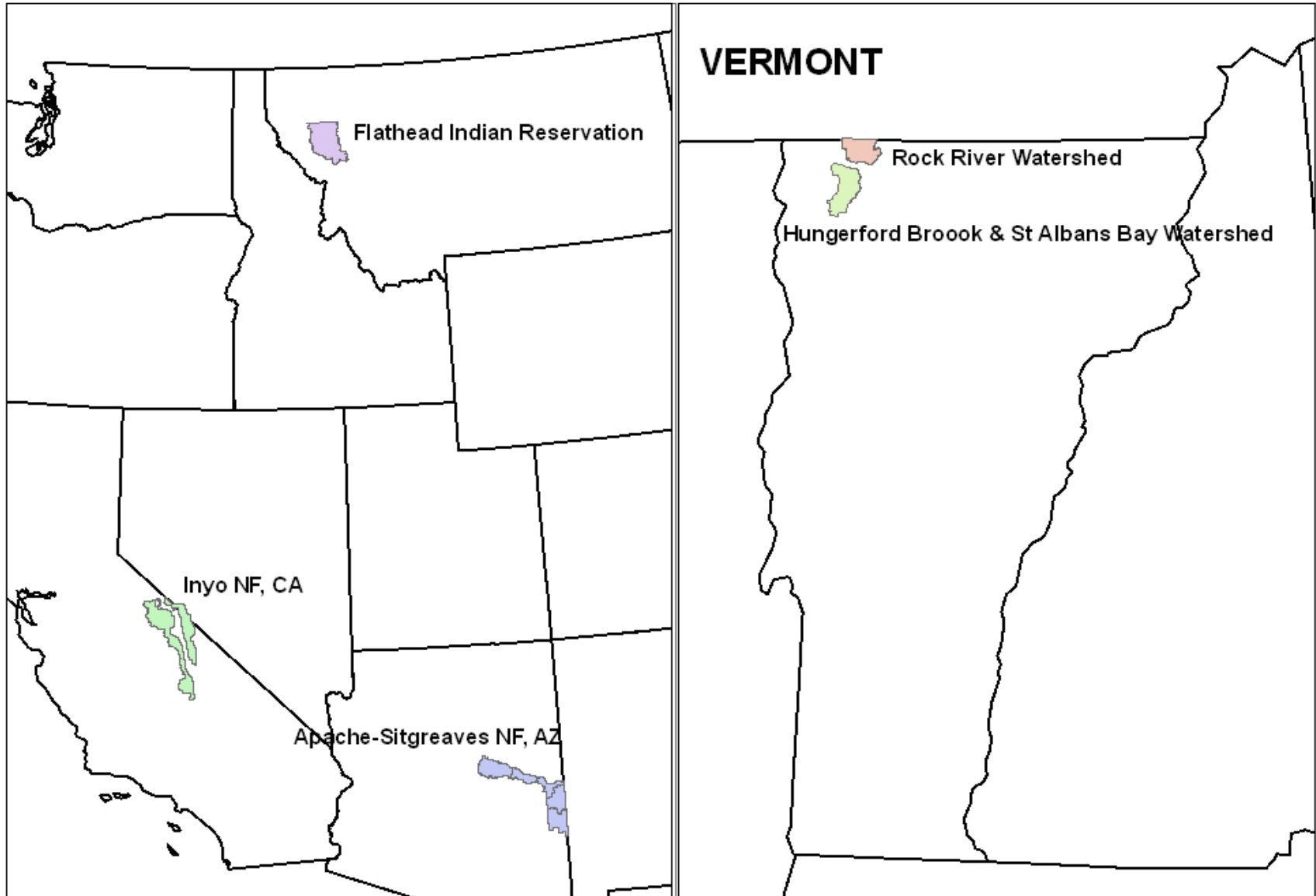
2008 RESOURCE PROJECTS



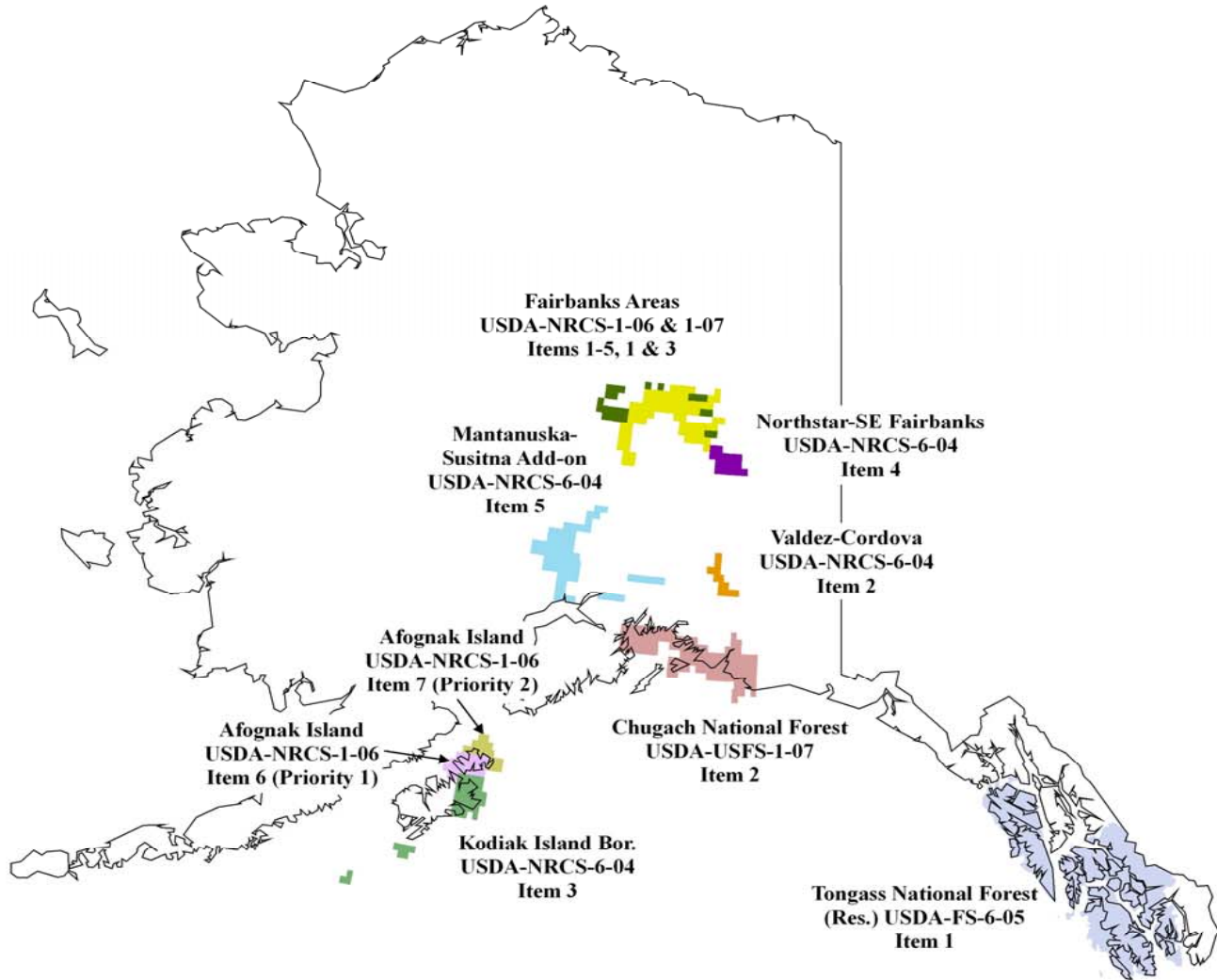
2008 DIGITAL RESOURCE PROJECTS



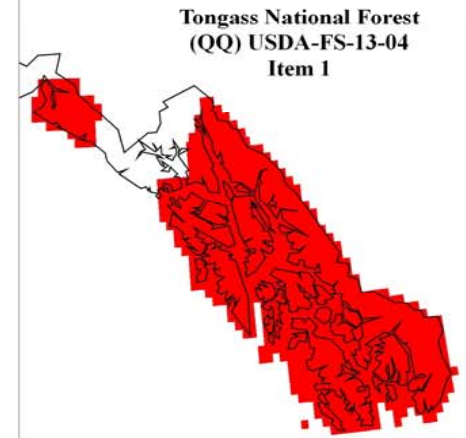
2008 FILM RESOURCE PROJECTS



USDA - Alaska Ortho Photography



Alaska Area



Alaska Panhandle Area

Review of Current Resource Projects

- Current Contract Status (See Handout)
- Contractor Difficulties in Acquiring Imagery
- APFO Inspection Workload
- Customer Feedback

Resource Questions ???



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CONTRACTS 101

Procedure Review



CONTRACTS 101

USDA Agency Service Agreement:

- > Use APFO contracting services for imagery acquisition**
- > For all projects exceeding 100 Square Miles**
- > Case Study: Superior NF, MN**

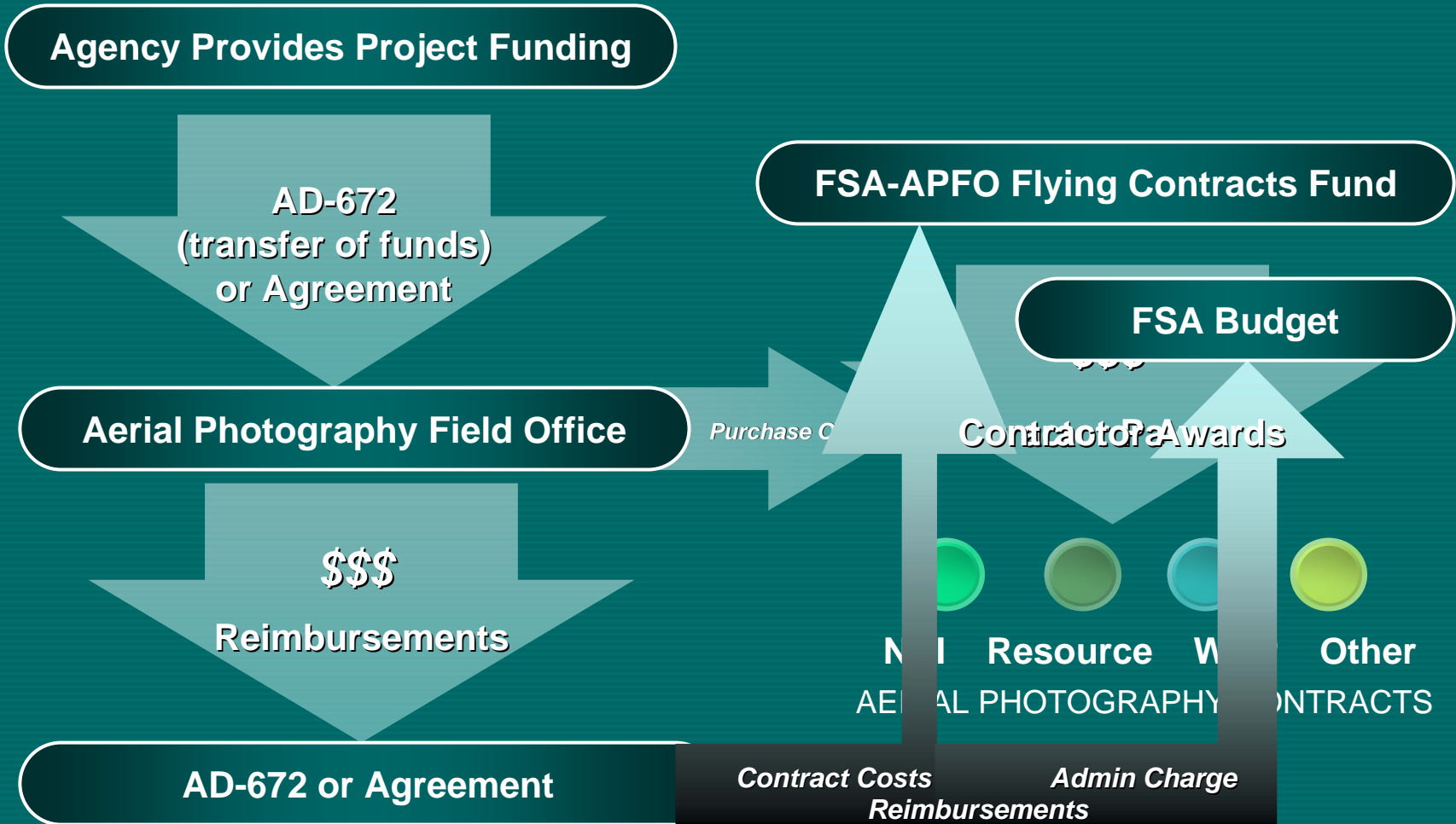
Request for new aerial photography:

- > Form AD-341 Request Form**
- > Project Worksheet – defines project parameters**
- > Project Map – representation of project area**
- > Funding Document – Form AD-672**



CONTRACTS 101

USDA-FSA-APFO Funding Policy





CONTRACTS 101

APFO Contract Administrative Charge:

Administrative charges are collected by APFO for services rendered for agreements under the Economy Act.

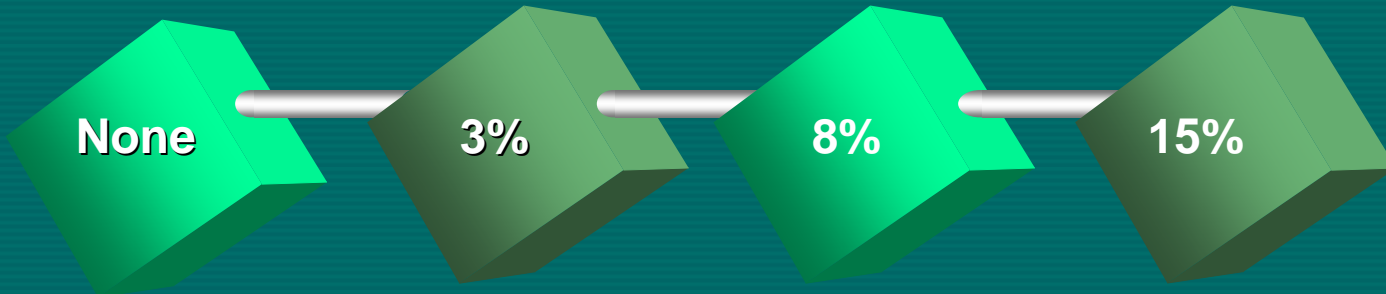
Services include:

- a full range of procurement and contracting services.
- quality assurance inspection services
- flight planning, project planning
- assistance and advice on technical and contracting issues
- archival, storage, and dissemination of acquired imagery



CONTRACTS 101

APFO ADMINISTRATIVE CHARGES



NAIP

Partners are not charged any admin fee

SAC (NRI WRP)

Admin fee is 3% for all products

Resource

Admin fee reflects increased QA & flight planning work

Other Resource

Non-USDA agencies are charged slightly more



CONTRACTS 101

APFO Contract Administrative Charge:

Administrative fees collected by APFO are returned to the Farm Service Agency budget and reused if within the same fiscal year.

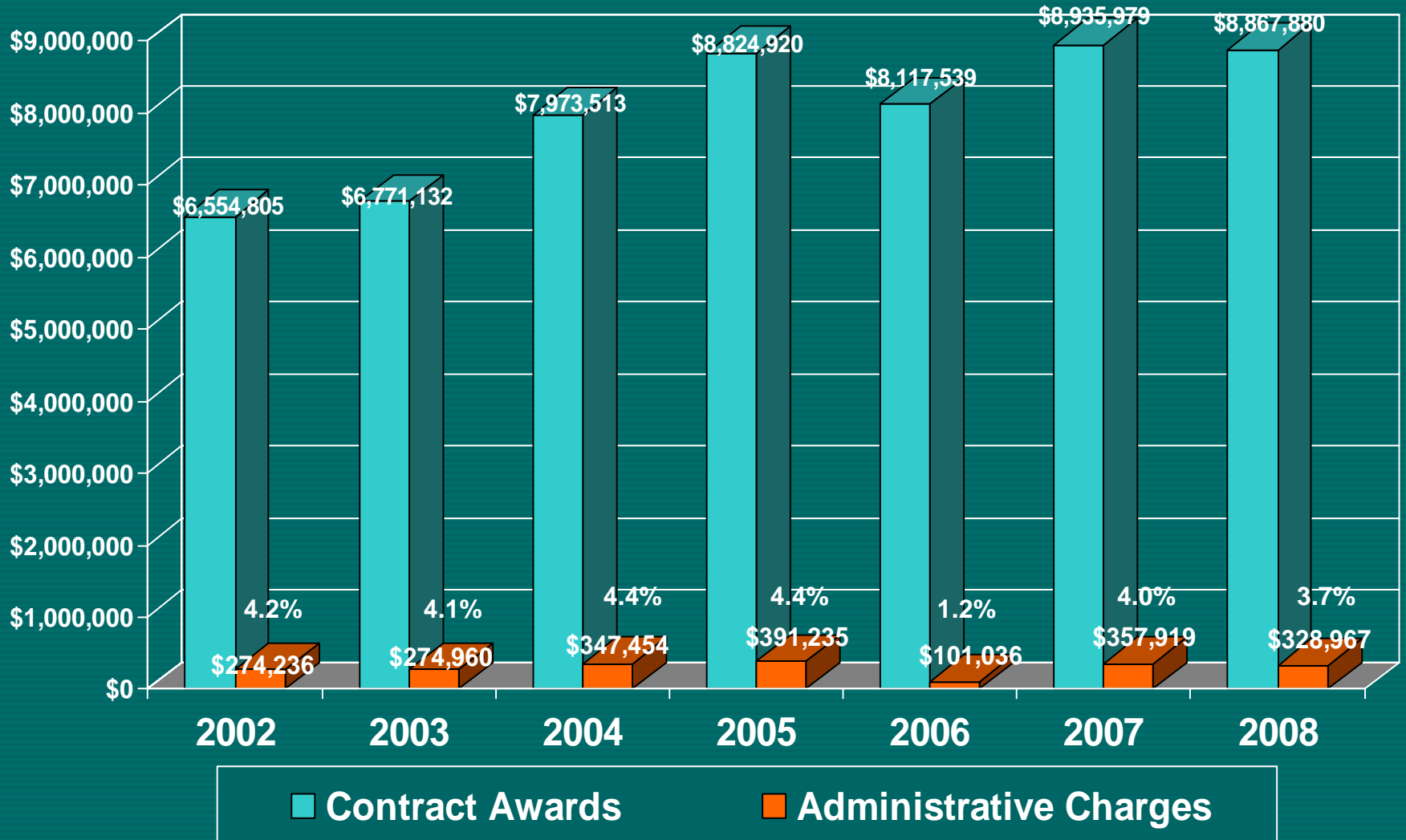
If administrative fees are collected after the fiscal year in which they were obligated, the funds are returned and deposited with the U.S. Treasury.

APFO continues to explore a strategy to have the administrative fee returned directly to APFO's budget.

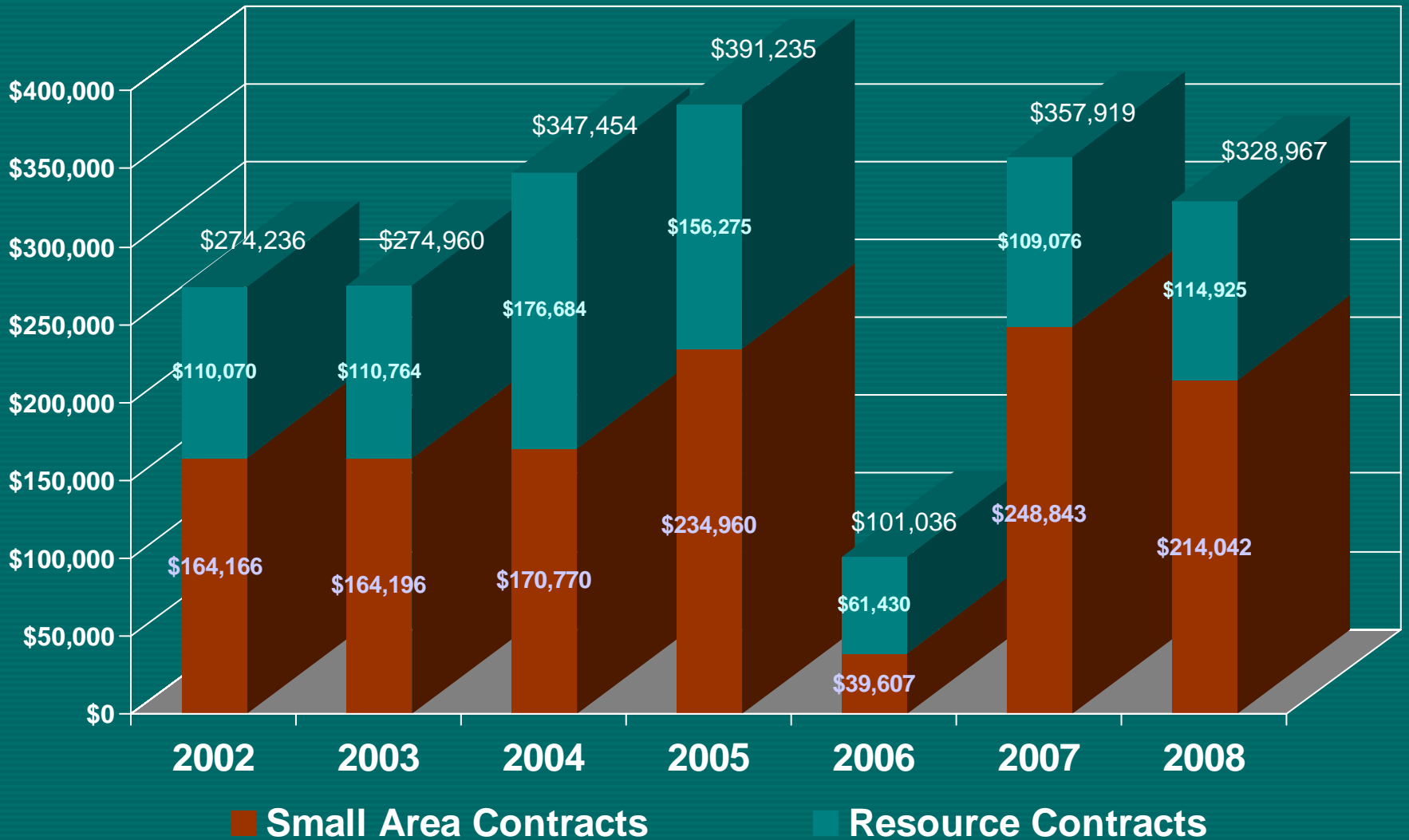
APFO Contracting Activities

Contract Awards and Administrative Charges

NAIP contracts not included

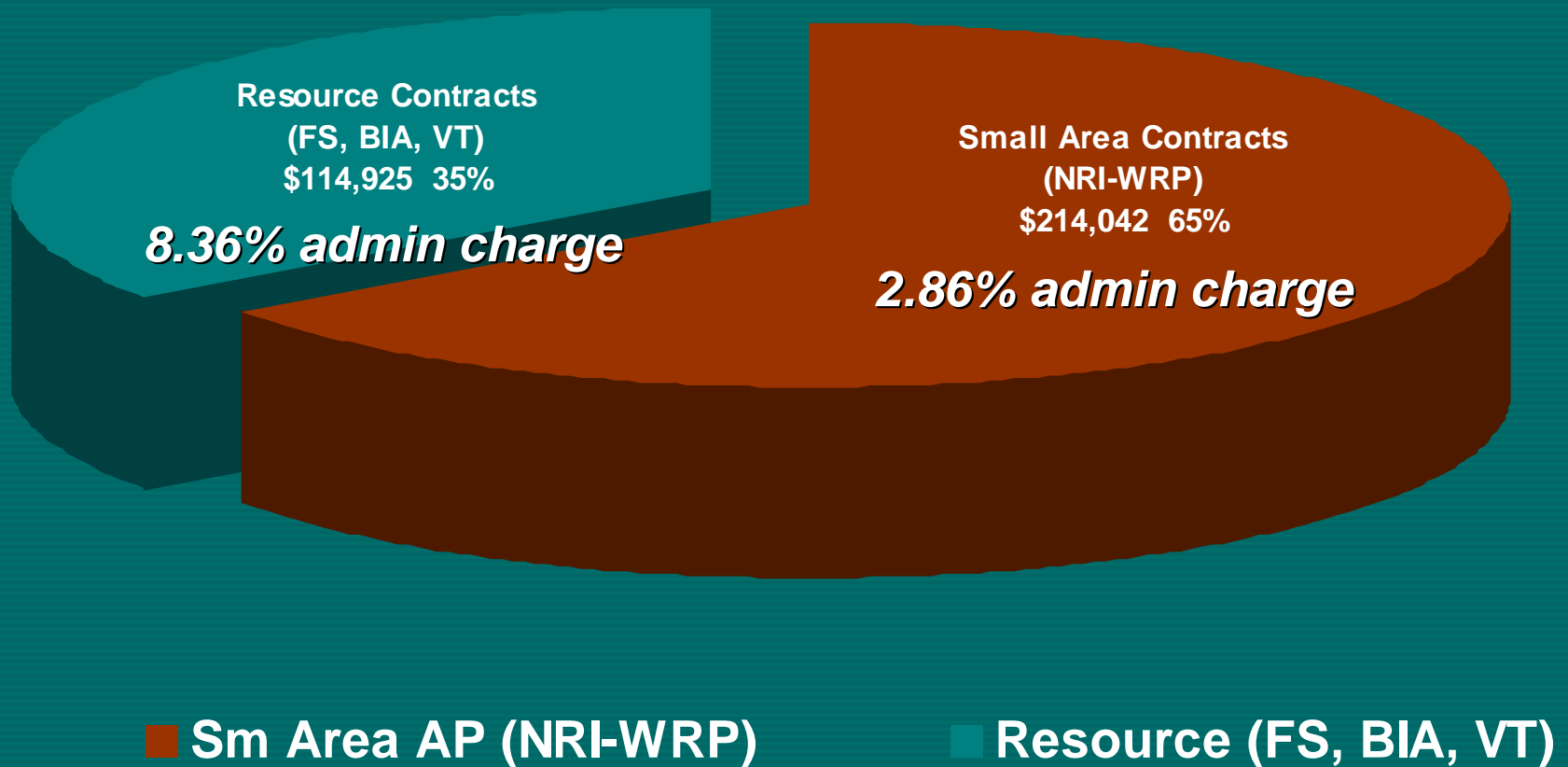


APFO Administrative Charges



APFO Administrative Charges

FY 2008 TOTAL ADMIN. FEES: \$328,967

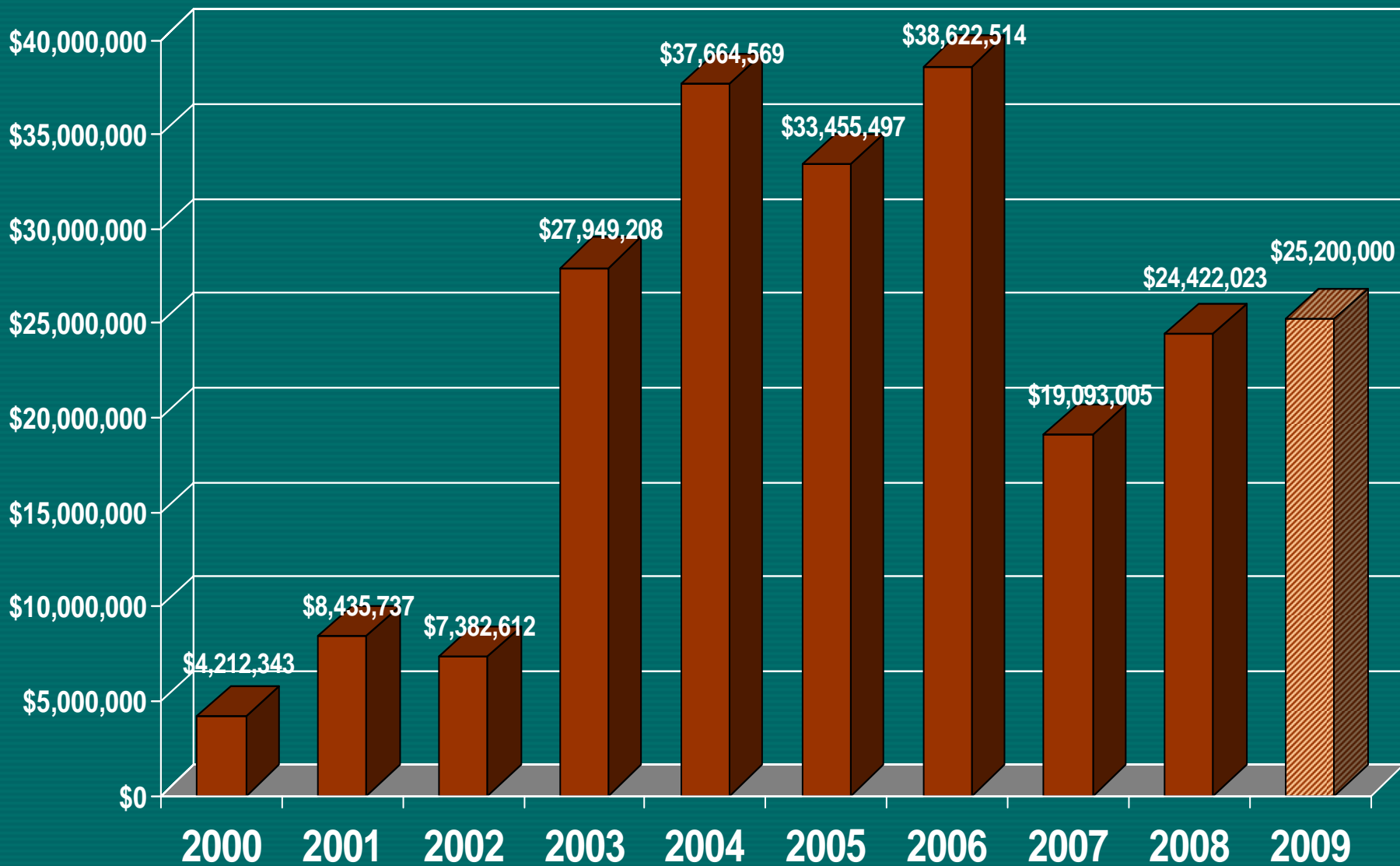


2009 USDA Forecast

- National Agriculture Imagery Program
- Small Area Contracts
- Resource Aerial Photography

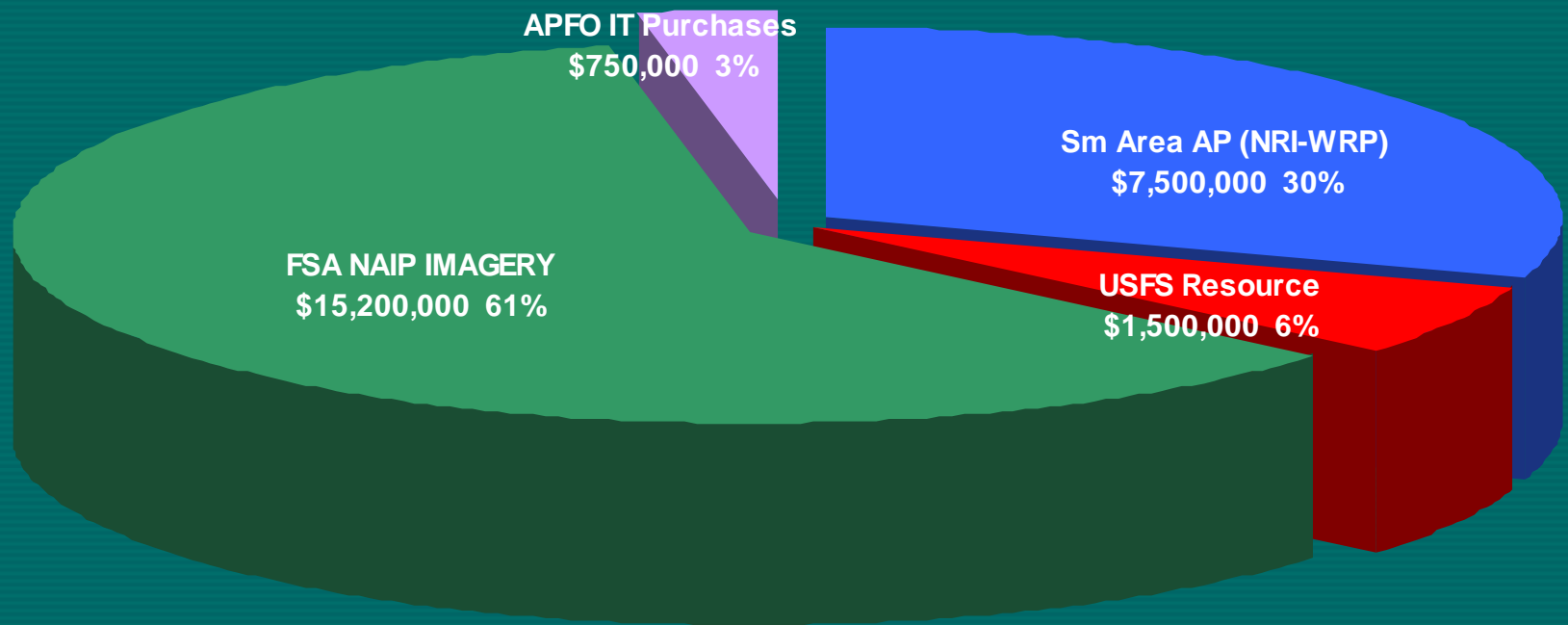
USDA Contract Awards

2009 Estimate



2009 USDA Contract Estimates

FY 2009 CONTRACT ESTIMATES: \$25,200,000



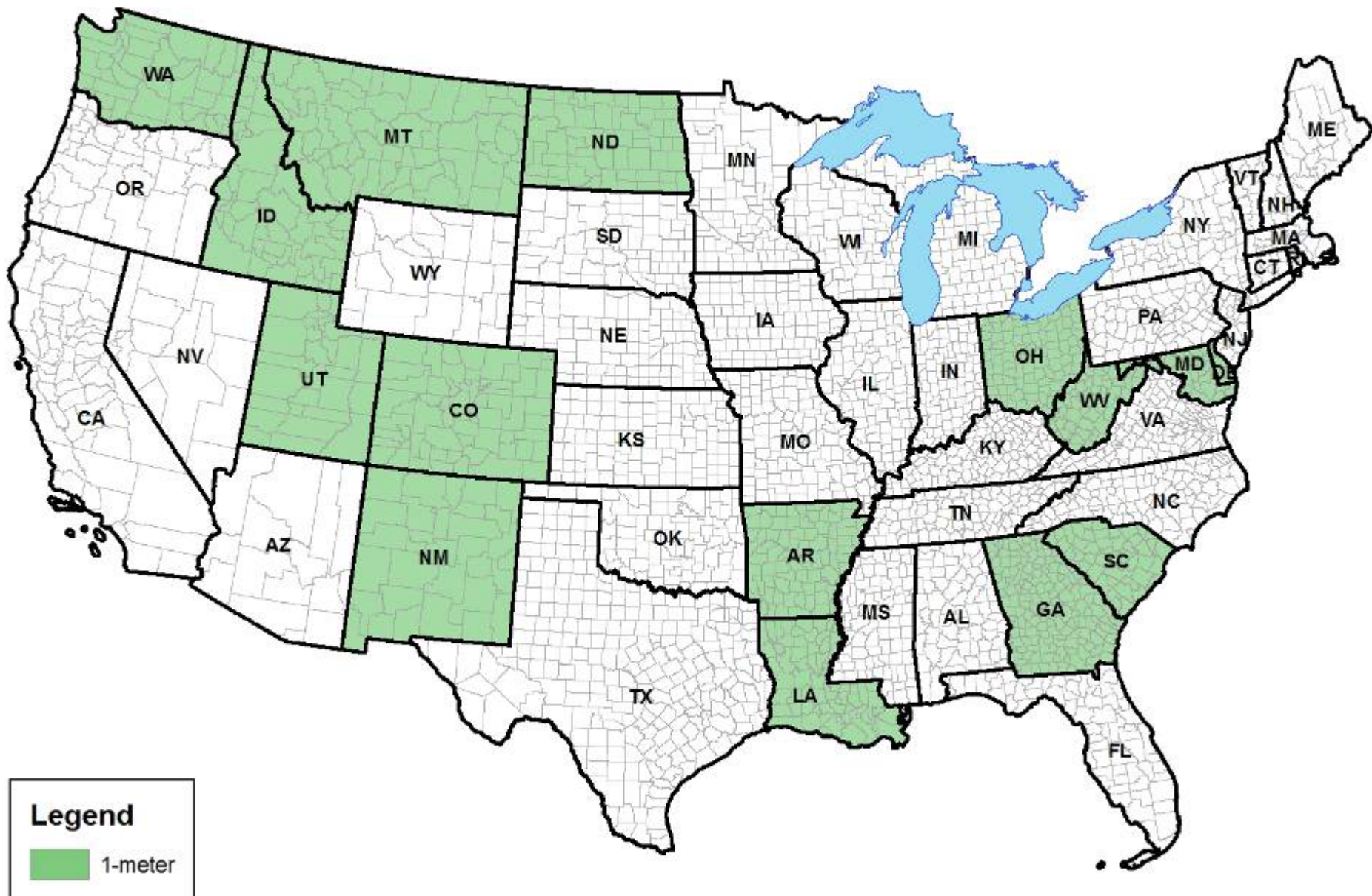
■ Sm Area AP (NRI-WRP)

■ USFS Resource

■ FSA NAIP IMAGERY

■ APFO IT Purchases

Proposed 2009 NAIP Coverage



NAIP Post-mortem Meeting

- Review 2008 NAIP performance
- Strategic changes in NAIP program
- Potential requirement changes
- Other expectations for the future
- 2009 task order RFP schedule



2009 USDA Forecast

Small Area Contract (SAC)



- Combined NRI and WRP task order (previously separate task orders)
- Digital NRI/WRP pilot project (RFQ)
- Potential requirement changes
- Other expectations for the future
- 2009 task order RFP schedule



2009 USDA Forecast

Potential 2009 USFS Projects

Resource Aerial Photography

- **Region 1** – none
- **Region 2** – Medicine Bow/Routt NFs and Thunder Basin NG
- **Region 3** – Lincoln NF in New Mexico and Kaibab NF in AZ
- **Region 4** – none (*NAIP contribution*)
- **Region 5** – Angeles, Cleveland and San Bernardino NF's
- **Region 6** – none
- **Region 8** – none
- **Region 9** – none
- **Region 10** – potentially 1-2, pending forest planning meeting



Greetings from an old USDA Remote Sensing Has-Been!!

Almost 2 years retired now and I still miss the traditional Imagery Planning Meeting. The meeting was always one I looked forward to as I enjoyed working with the dedicated and highly technical USDA people like yourselves. Here is wishing you all the best of Holidays and a great meeting

George Rohaley

PS: Since I can't join you to talk strategies and rumors at the Redrock Brew Pub, I will remember to salute a Holiday toast to you all from my "very local" hangout!