



2005 USDA Imagery Contracts



**May 4, 2005
NDOP Steering Committee Meeting
Asheville, North Carolina**

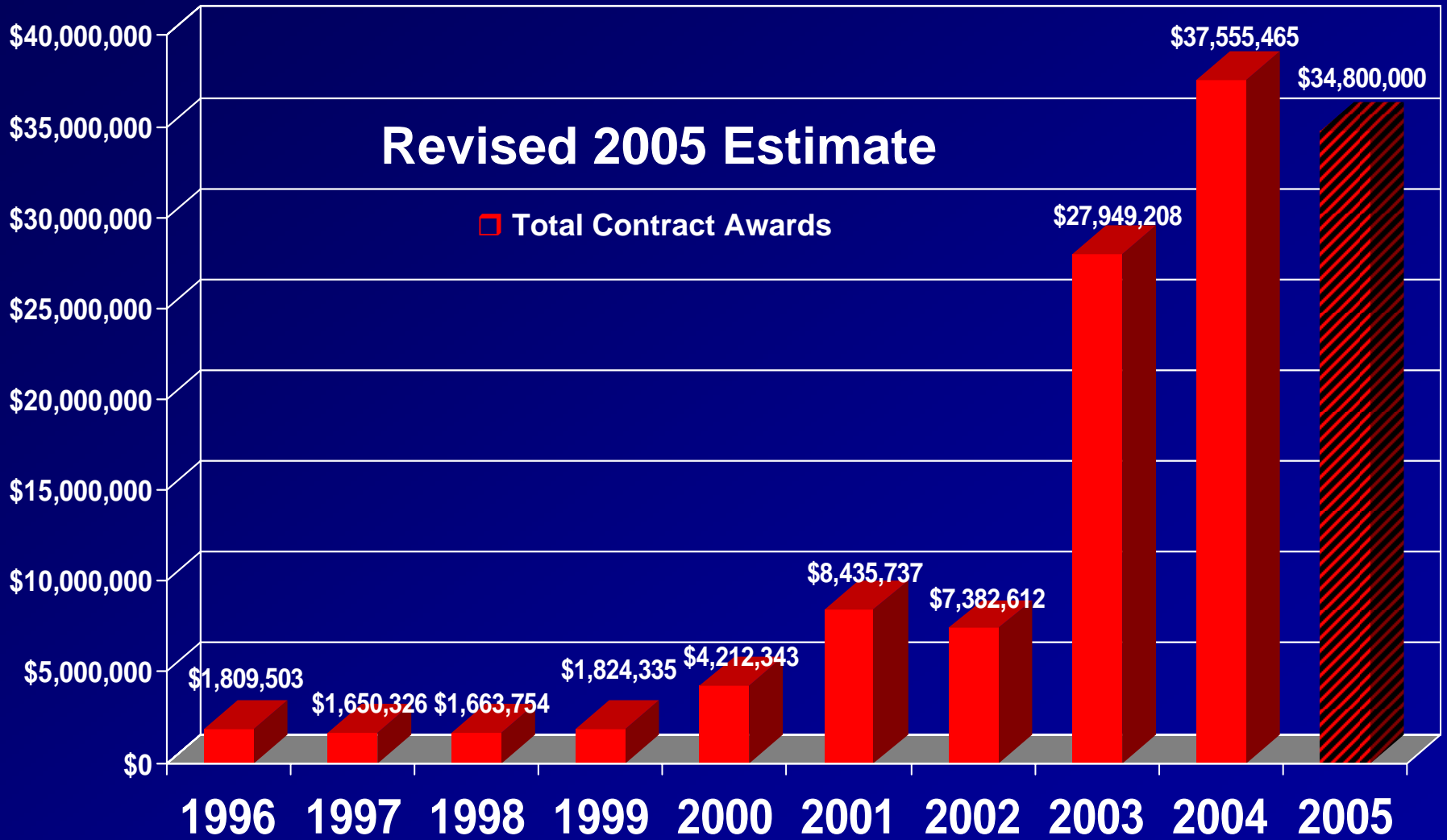
**W. Geoffrey Gabbott, Contracting Officer
USDA, FSA, Aerial Photography Field Office**



USDA 2005 Contracts Summary

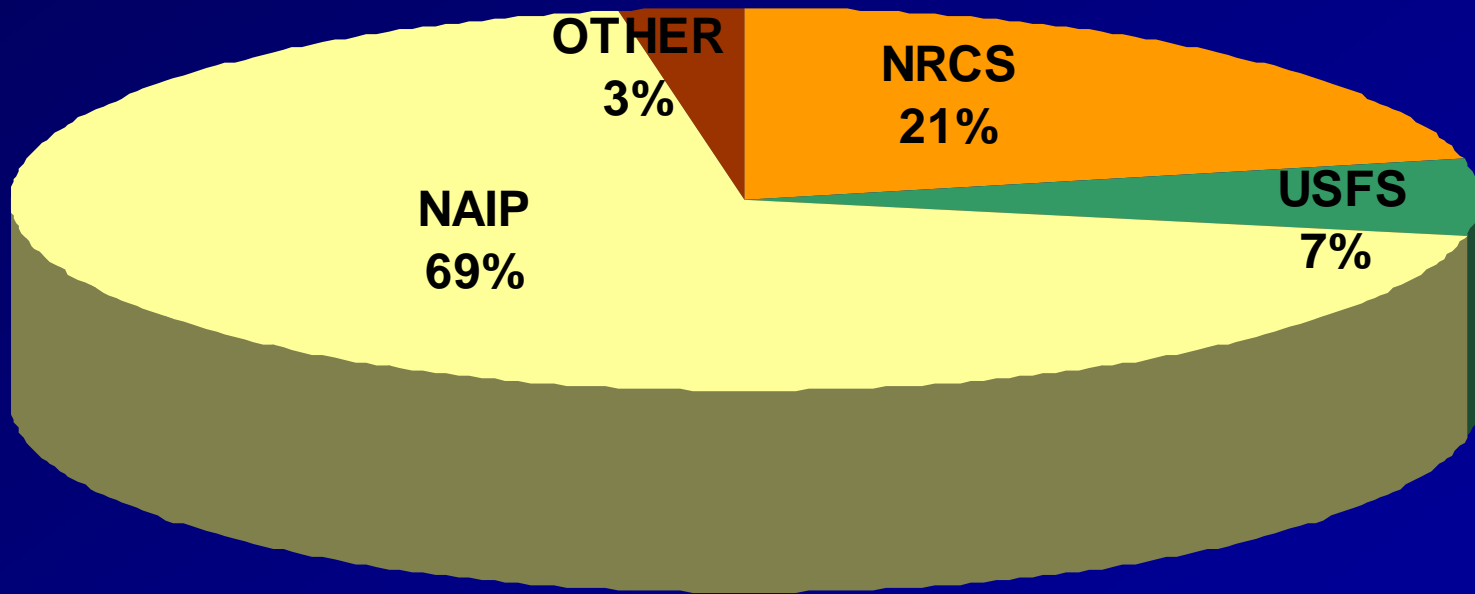
- **USDA Imagery Contract Awards**
- **Small Area Contract (NRCS NRI Sites & USFS FIA Sites)**
- **USFS/NRCS Resource Contracts**
- **NAIP Contracts**

USDA Contract Awards



USDA Contract Estimates

ESTIMATED FY 2005 AWARDS: \$34,800,000



■ NRCS \$7.5M

■ USFS \$2.3M

■ NAIP \$24.0M

■ OTHER \$1.0M

2005 Small Area Contracts



USDA-NRCS

Natural Resource Conservation Service

National Resource Inventory



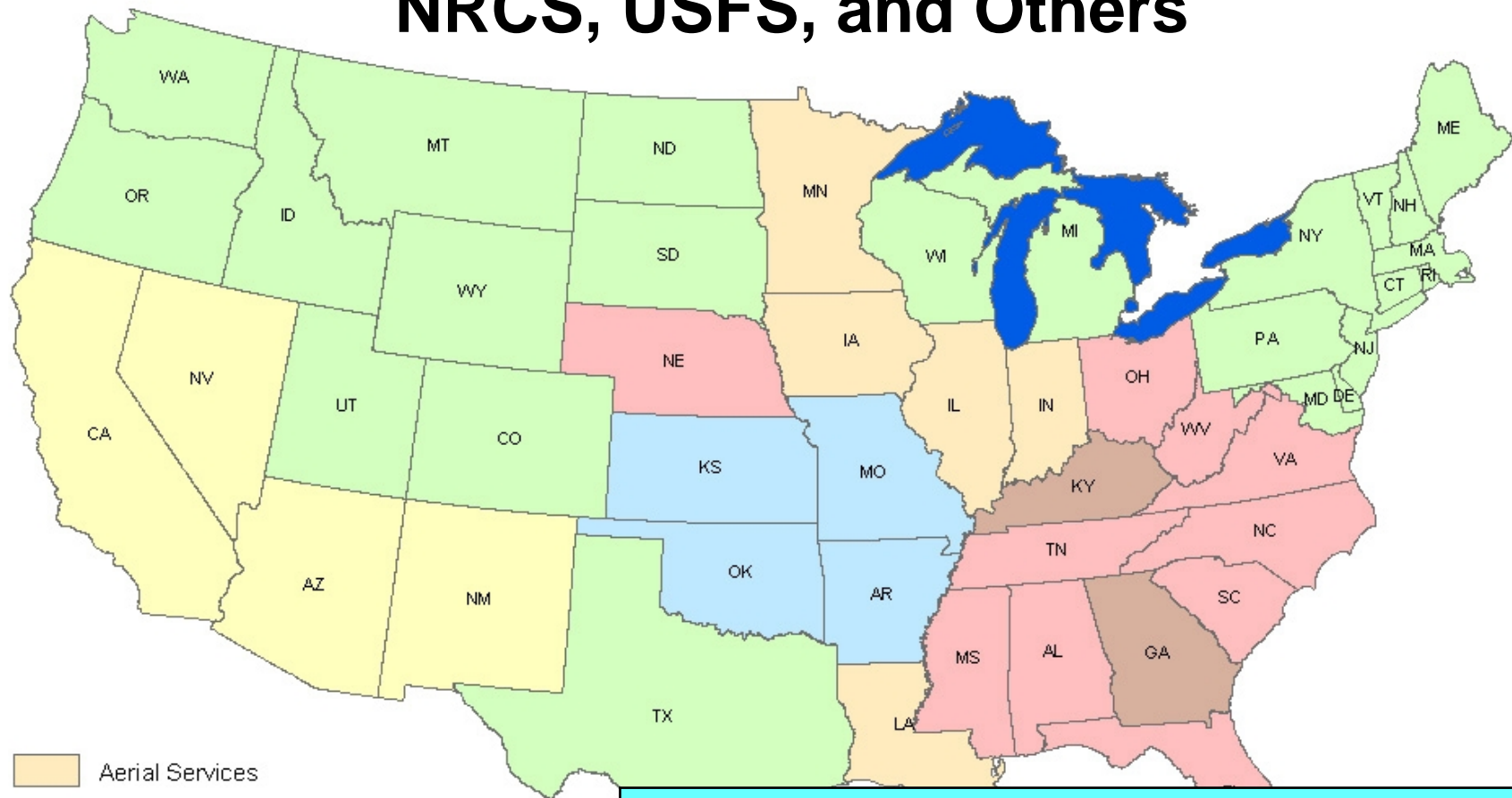
US Forest Service

Forest Inventory

Assessment

Other Agency Small Area Projects

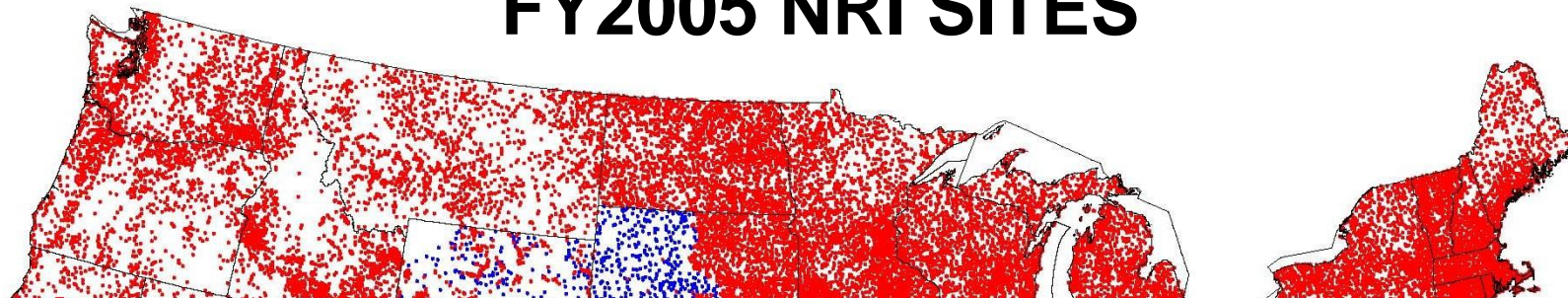
2005 SMALL AREA AERIAL PHOTOGRAPHY NRCS, USFS, and Others



-  Aerial Services
-  Blue Skies
-  Keystone
-  Midwest
-  Photo Science
-  Surdex

- **5 YEAR IDIQ CONTRACT**
- **6 CONTRACTORS SELECTED**
- **AERIAL FILM REQUIRED**
- **SCANNING & ORTHO OPTIONS**

FY2005 NRI SITES



NRCS NRI SITES

- 70,464 Sites Nationwide
- 66,000 Sites being scanned

Guam & CNMI



Alaska



Alaska NRI Contract

- Satellite Imagery



USDA-NRCS-NCGC, Fort Worth, TX,



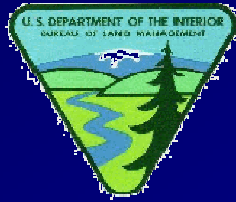


2005 Small Area Contracts

US Forest Service Forest Inventory Assessment

1,056 FIA SITES
Located In Nevada
1:4,000 Scale
12" Focal Length Lens

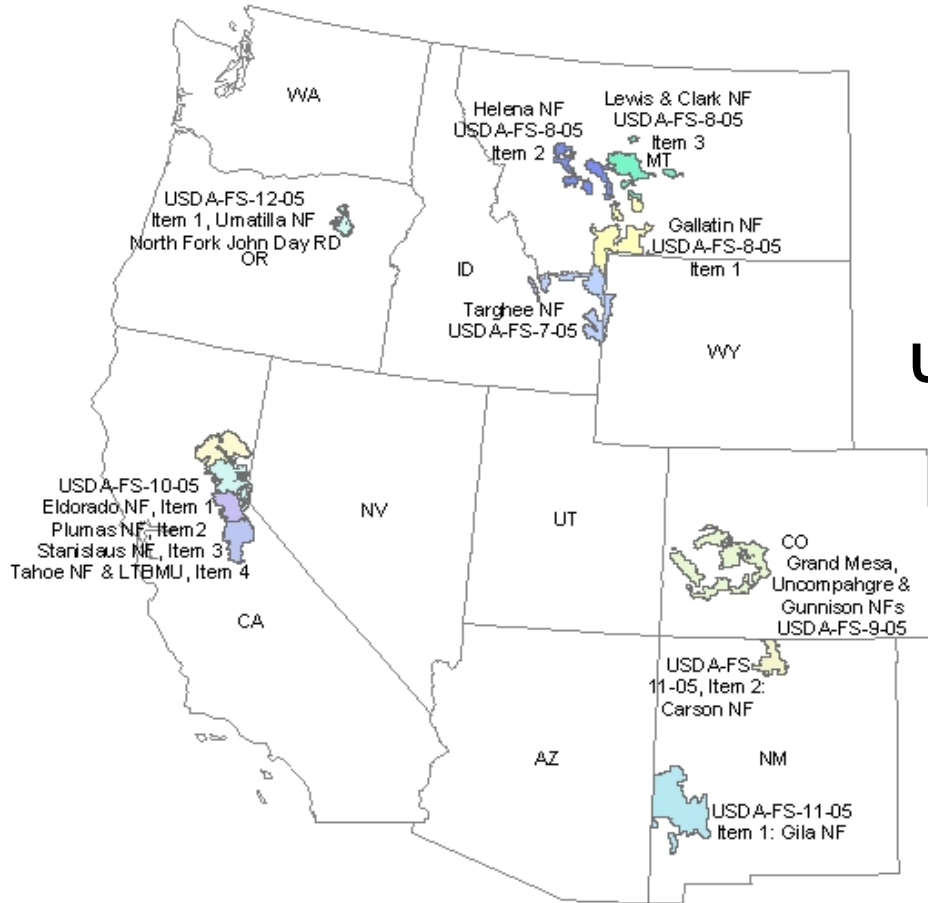
USDA Resource Aerial Photography Contracts



2005 Contract Estimates:

20 Resource Aerial Photography Contracts
Approximately 80,000 Square Miles
Estimated contract amount of \$2,300,000

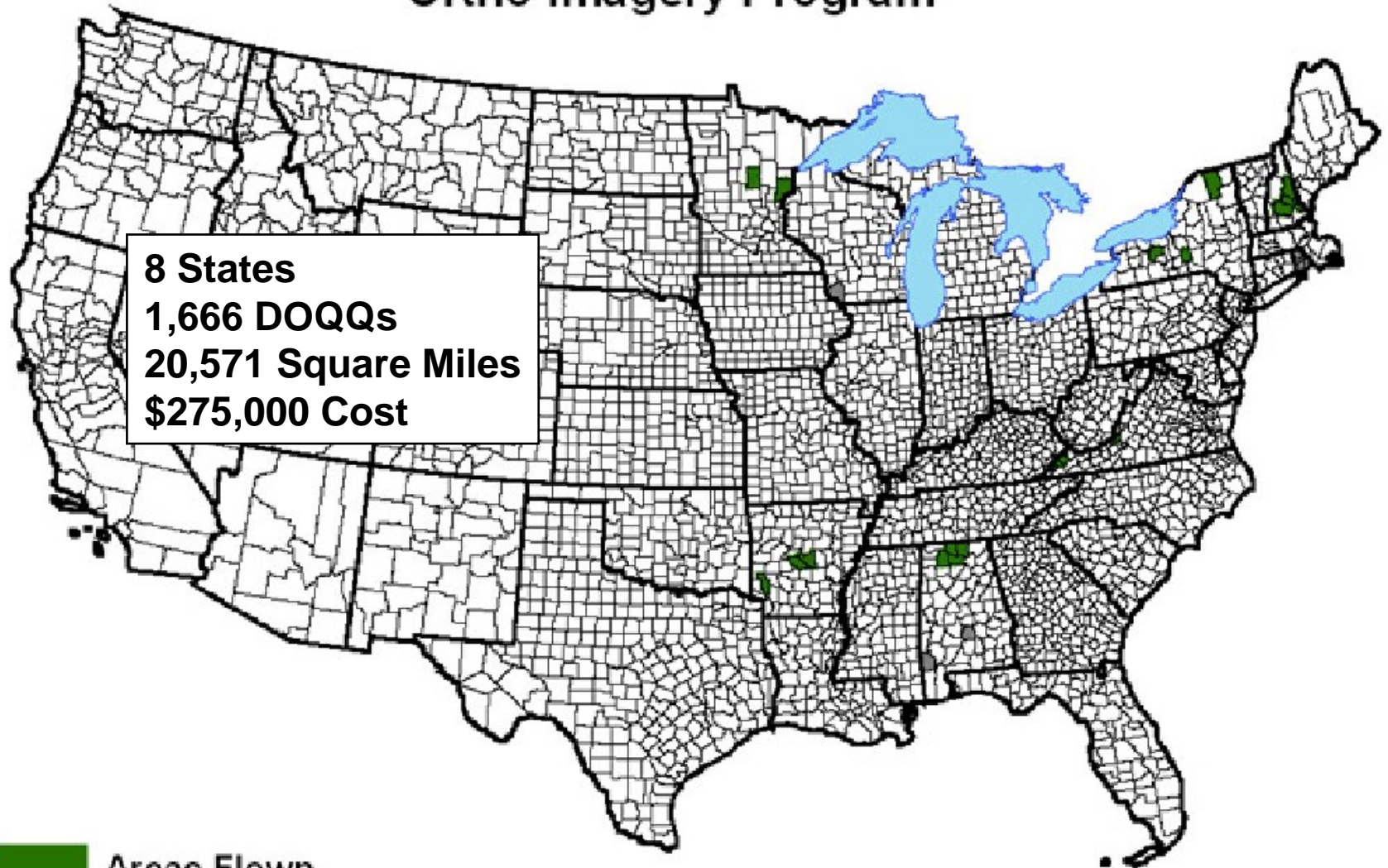
POTENTIAL 2005 RESOURCE ACQUISITIONS



US Forest Service Projects



2005 NRCS Soil Survey Counties Ortho Imagery Program

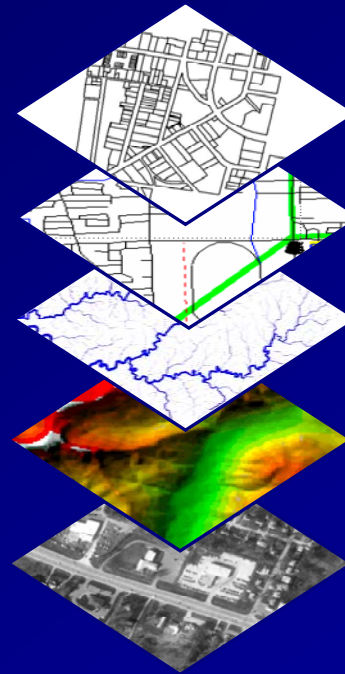


USDA NAIP



USDA NAIP Imagery:

- USDA Service Centers receive NAIP imagery when MDOQs and CLUs are available.
- All MDOQs are completed.
- CLUs are expected to be completed in FY 2005.



NAIP Imagery

CLU (Common
Land Unit)

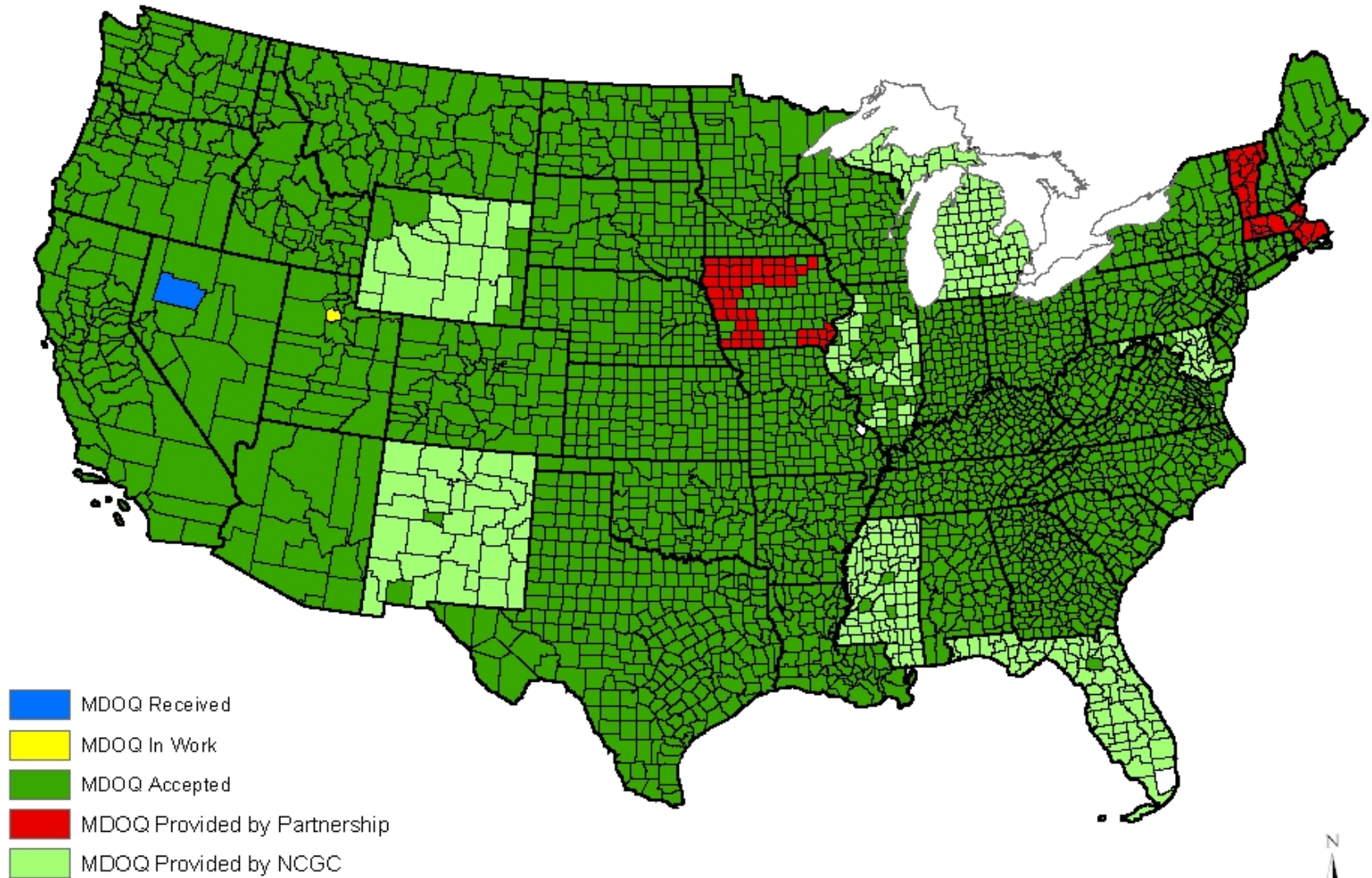
Soils
Demographics

Orthoimagery
(MDOQ)

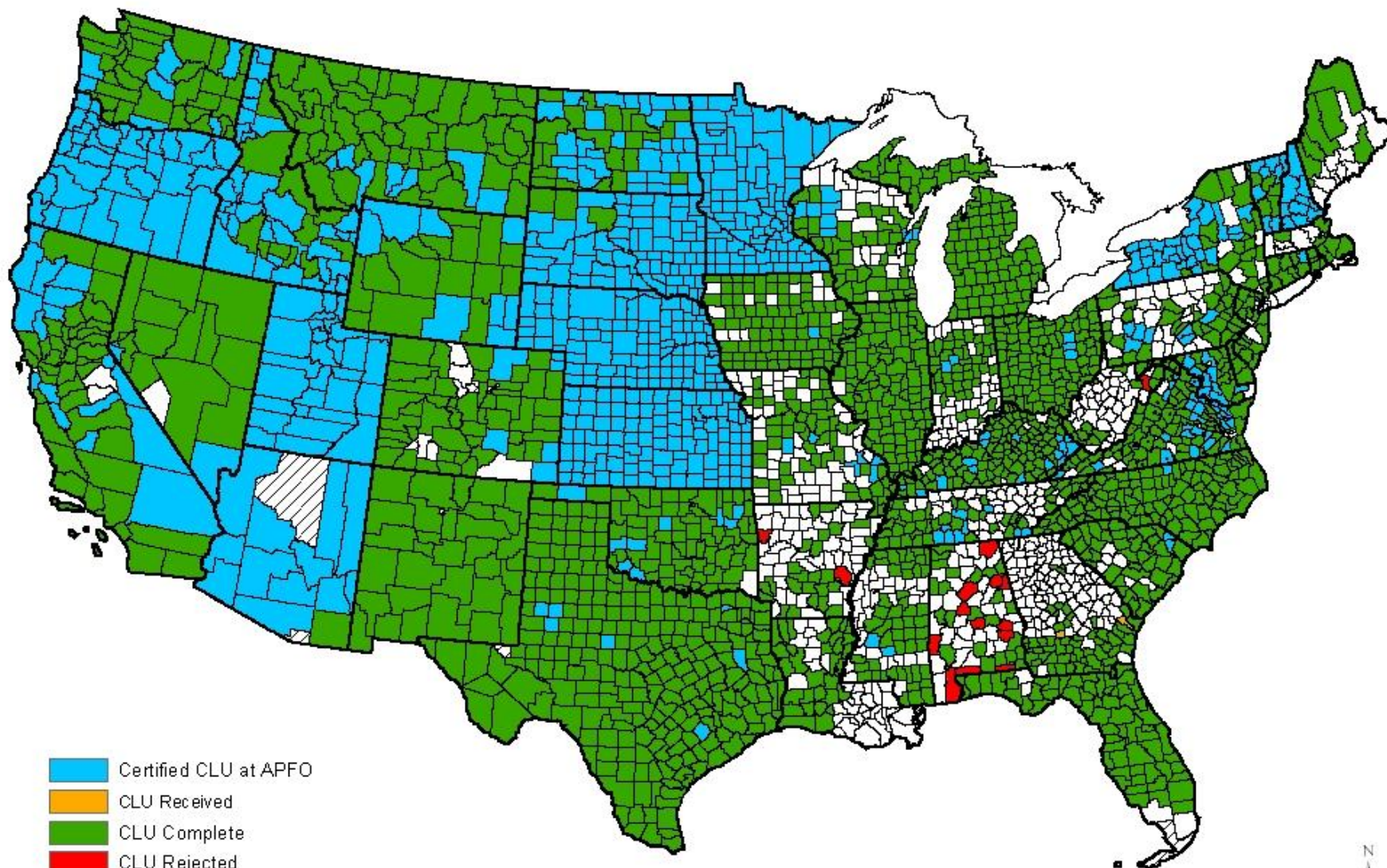






MDOQ STATUS - ALL SOURCES

September 1, 2004



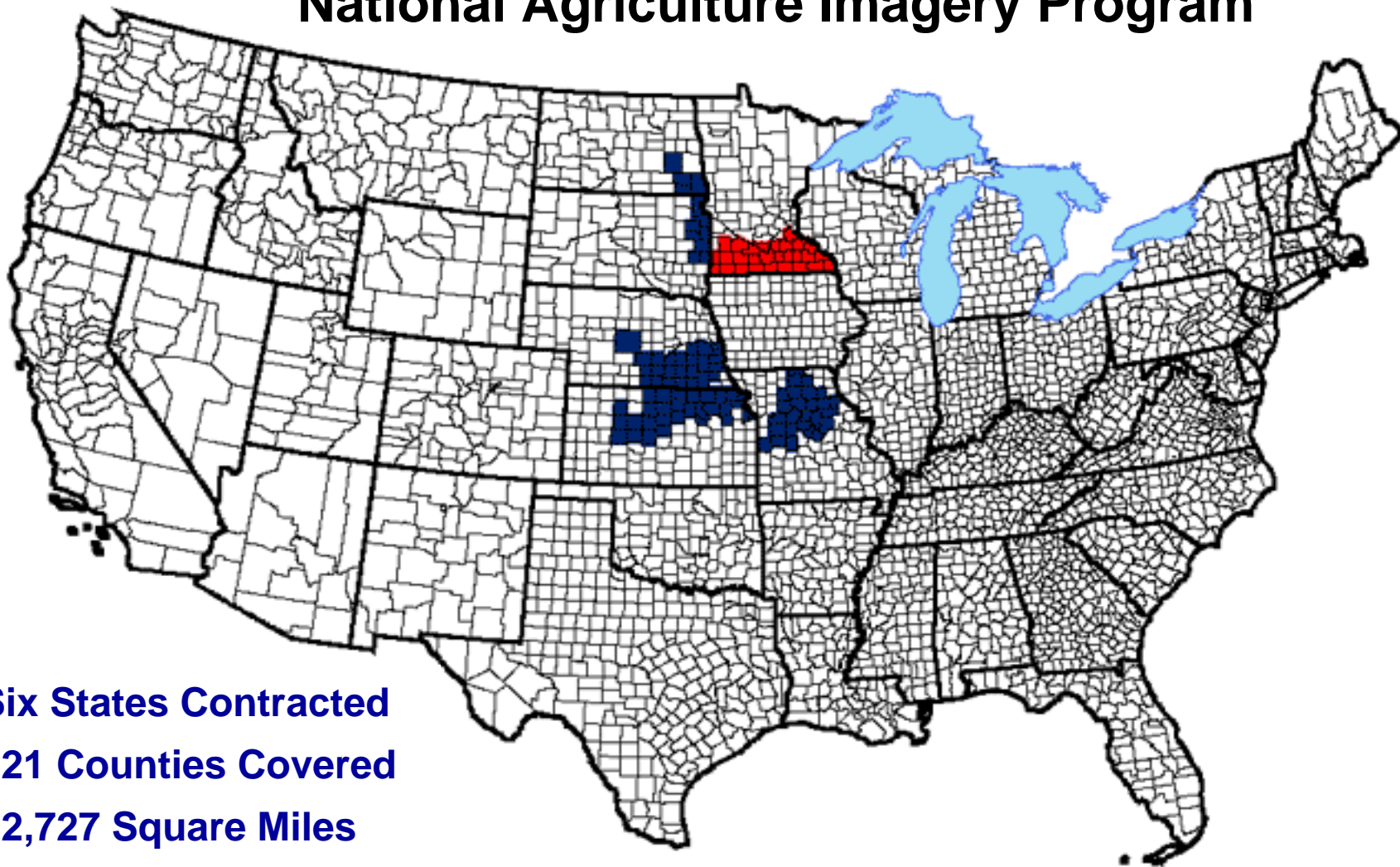
CLU STATUS - ALL SOURCES



-  Certified CLU at APFO
-  CLU Received
-  CLU Complete
-  CLU Rejected
-  Non-Agricultural Counties



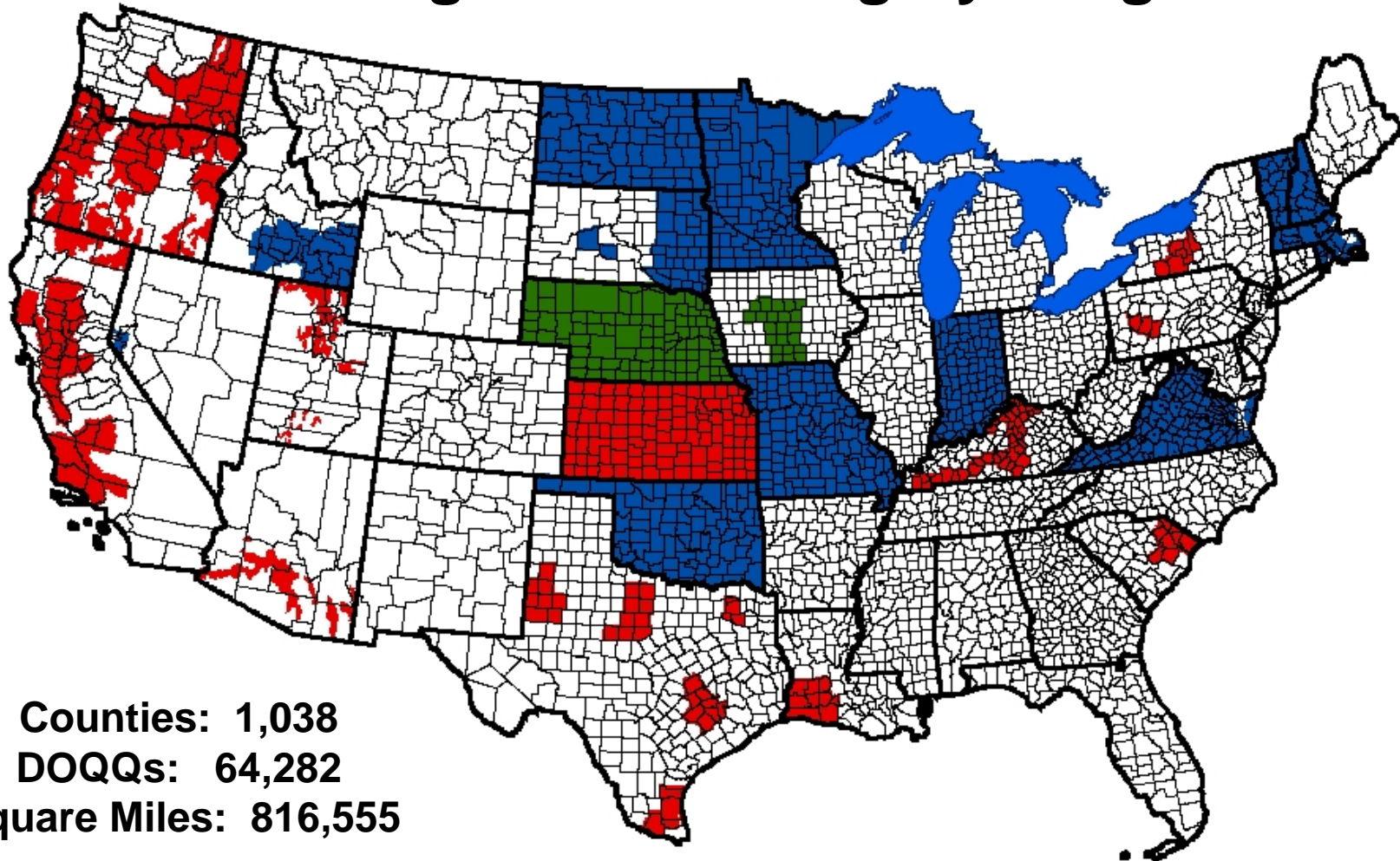
NAIP 2002 Contracts National Agriculture Imagery Program



Six States Contracted
121 Counties Covered
82,727 Square Miles
28,932 Linear Miles of
NAPP-Like A.P.

NAIP 2003 CONTRACTS

National Agriculture Imagery Program

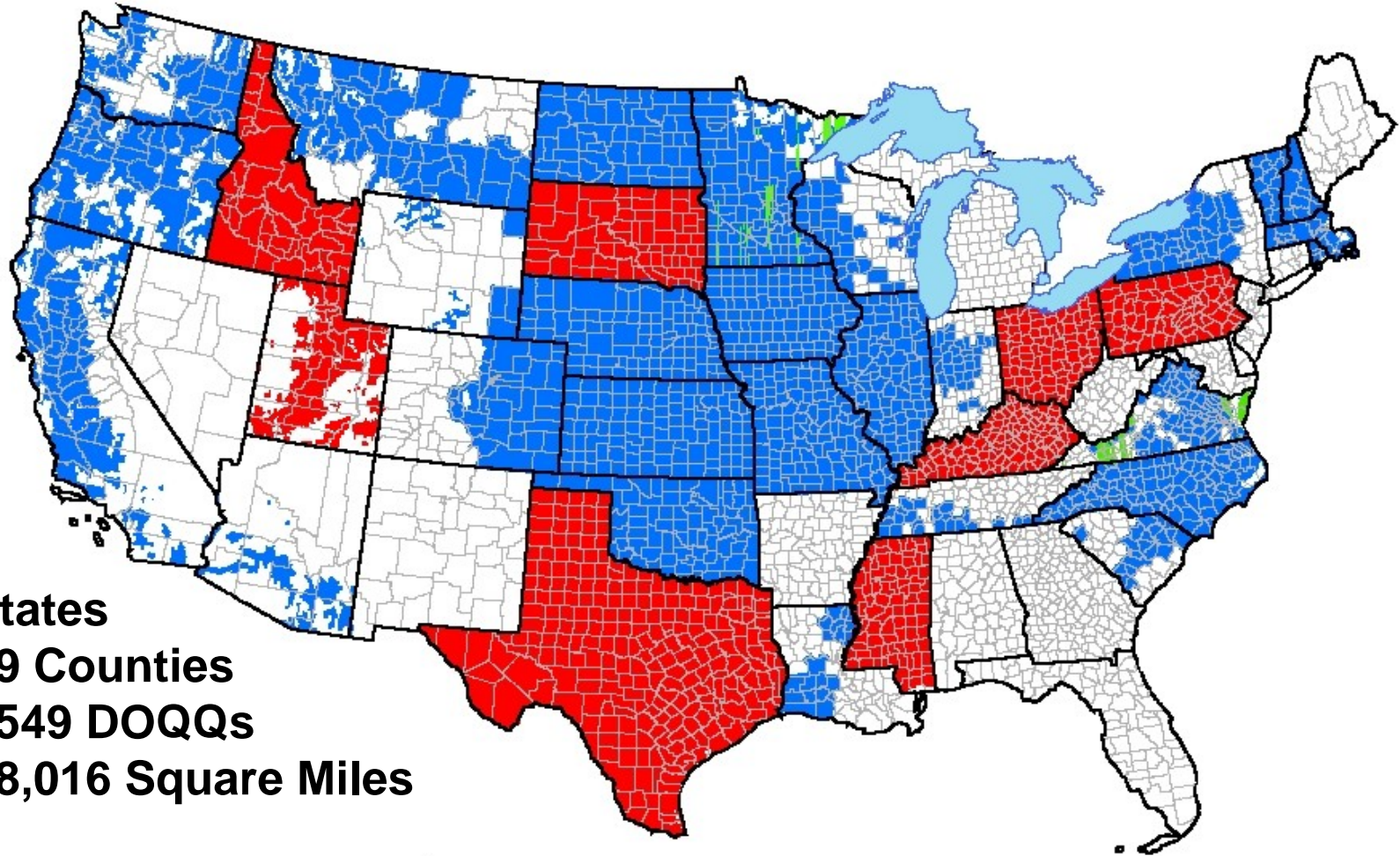


Counties: 1,038
DOQQs: 64,282
Square Miles: 816,555

1 METER 2 METER DIGITAL






2004 National Agriculture Imagery Program



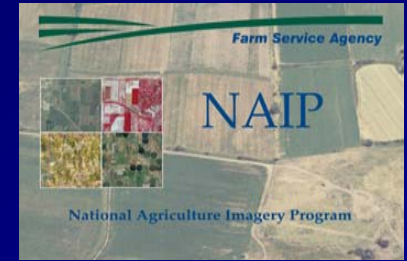
35 States
2,089 Counties
132,549 DOQQs
1,808,016 Square Miles

2004 REQUIREMENTS

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

USDA-FSA-APFO-Salt Lake City, Utah

U.S. Department of Agriculture
NATIONAL AGRICULTURE IMAGERY PROGRAM
SOLICITATION NO: USDA-NAIP-3-04
NATIONAL COVERAGE MAP



2004

USDA-NAIP

National Agriculture Imagery Program

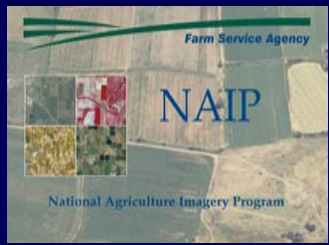
**Three year IDIQ contract awarded
to 10 contractors**

2004 Contract Awards:

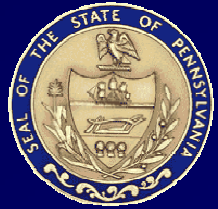
One Meter Coverage 10 States, 46,859 DOQQs

Two Meter Coverage 27 States, 85,690 DOQQs

Total Coverage: 35 States, 132,549 DOQQs



2004 NAIP Funding Sources



- ❑ Idaho State & Federal Agencies \$210,000
- ❑ Kentucky State Agencies \$120,000
- ❑ Pennsylvania State Agencies \$326,200
- ❑ Utah State Agencies \$279,900
- ❑ Texas State & Federal Agencies \$1,425,000
- ❑ Illinois State Agencies \$25,000
- ❑ Natural Resource Consvr. Service \$2,750,800
- ❑ U.S. Forest Service \$610,000

Total 2004 Cost Shares: \$5,746,900

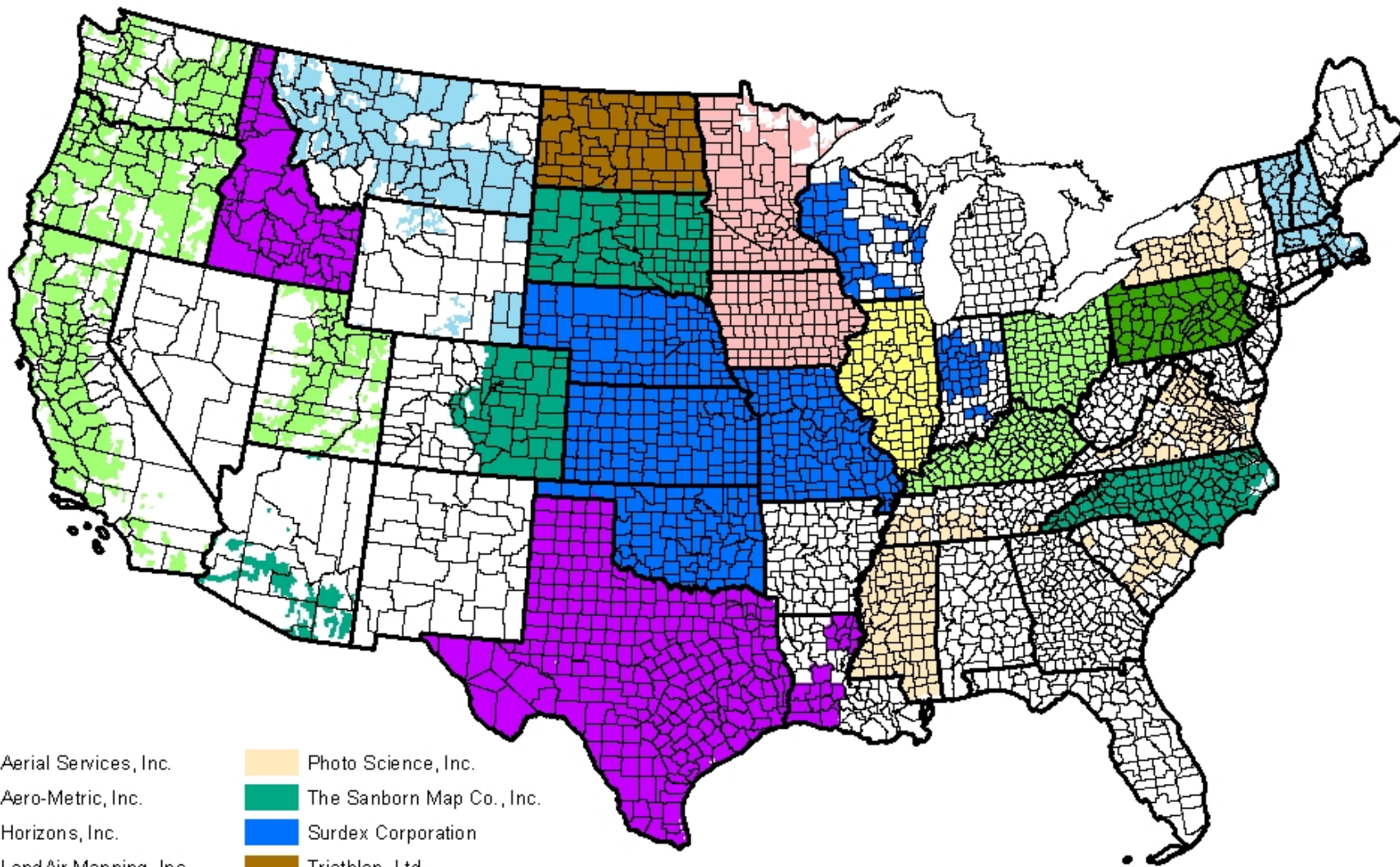
- ❑ FSA Funding Amount \$14,311,000

Total 2004 NAIP Contracts: \$20,057,900



NAIP04 CONTRACTORS

July 8, 2004

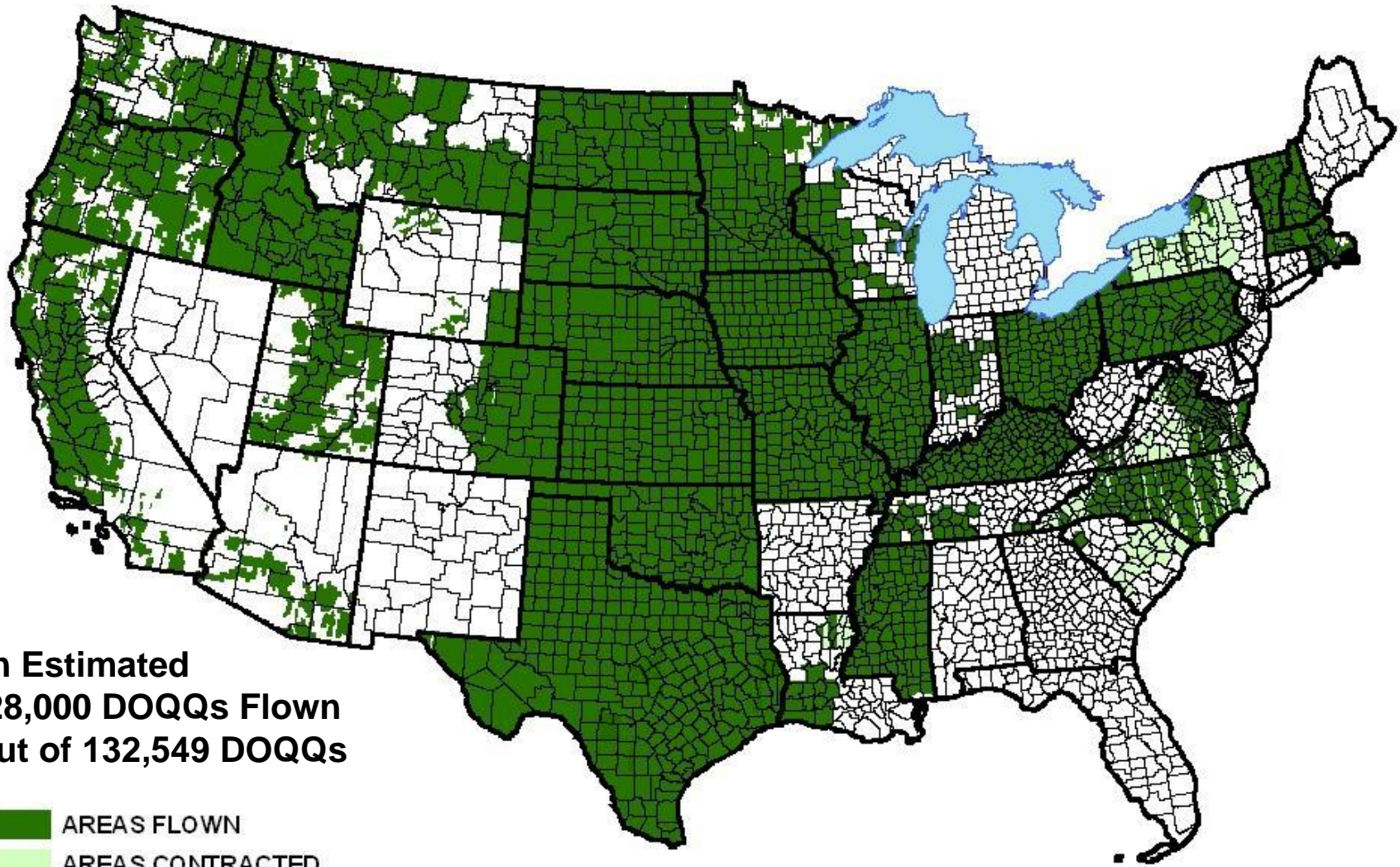


- | | |
|--|---|
|  Aerial Services, Inc. |  Photo Science, Inc. |
|  Aero-Metric, Inc. |  The Sanborn Map Co., Inc. |
|  Horizons, Inc. |  Surdex Corporation |
|  LandAir Mapping, Inc. |  Triathlon, Ltd |
|  North West Geomatics, Ltd |  Vargis LLC |

Three year IDIQ Contract

2004 NAIP IMAGERY STATUS

December 2, 2004



**An Estimated
128,000 DOQQs Flown
out of 132,549 DOQQs**

- AREAS FLOWN
- AREAS CONTRACTED

Approximately 97% Flown as of December 2, 2004

2005 NAIP

Technical Evaluation Panel

Shirley Hall, FSA

Jan Jamrog, FSA

George Rohaley, NRCS

Tony Kimmet, NRCS

George Lee, USGS

Bill Belton, USFS

Kent Williams, APFO

Bridget Barlow, APFO

The panel evaluated Contractor technical proposals at APFO on March 29 – 31, 2005. “Best-Value” contracting procedures were used to determine contractor selection and state distribution. Selection was based on the assumption of NAIP being fully funded (\$31M)

Acquisition Requirements

- Most flying seasons approx. 30 to 60 days and designed to capture full agricultural growth
- Imagery is QQ centered and ortho-rectified to 1 or 2 Meter resolution.
- 10% Cloud cover acceptable
- Control from MDOQ base imagery
- Projected in NAD83 datum with the corresponding UTM zone.

Contract Deliverables

- **Compressed County Mosaic (CCM)** due 30 days after season end
- **Full Resolution Tiles:** Uncompressed ortho-imagery in GeoTIFF format due 90 days after season end
- **FGDC compliant metadata**

Specification Changes

- 2004 season:
 - Radiometric correction required (CCM)
 - Allowed Satellite imagery
 - One year product warranty added
 - Vendors allowed to resell “derived” material
- 2005 season:
 - Pan-sharpen sensors allowed for 1-Meter acquisition
 - CCM compression ratio changed from 50:1 to 15:1
 - 1-Meter ortho-imagery accuracy changed from $\pm 3\text{m}$ to $\pm 5\text{m}$

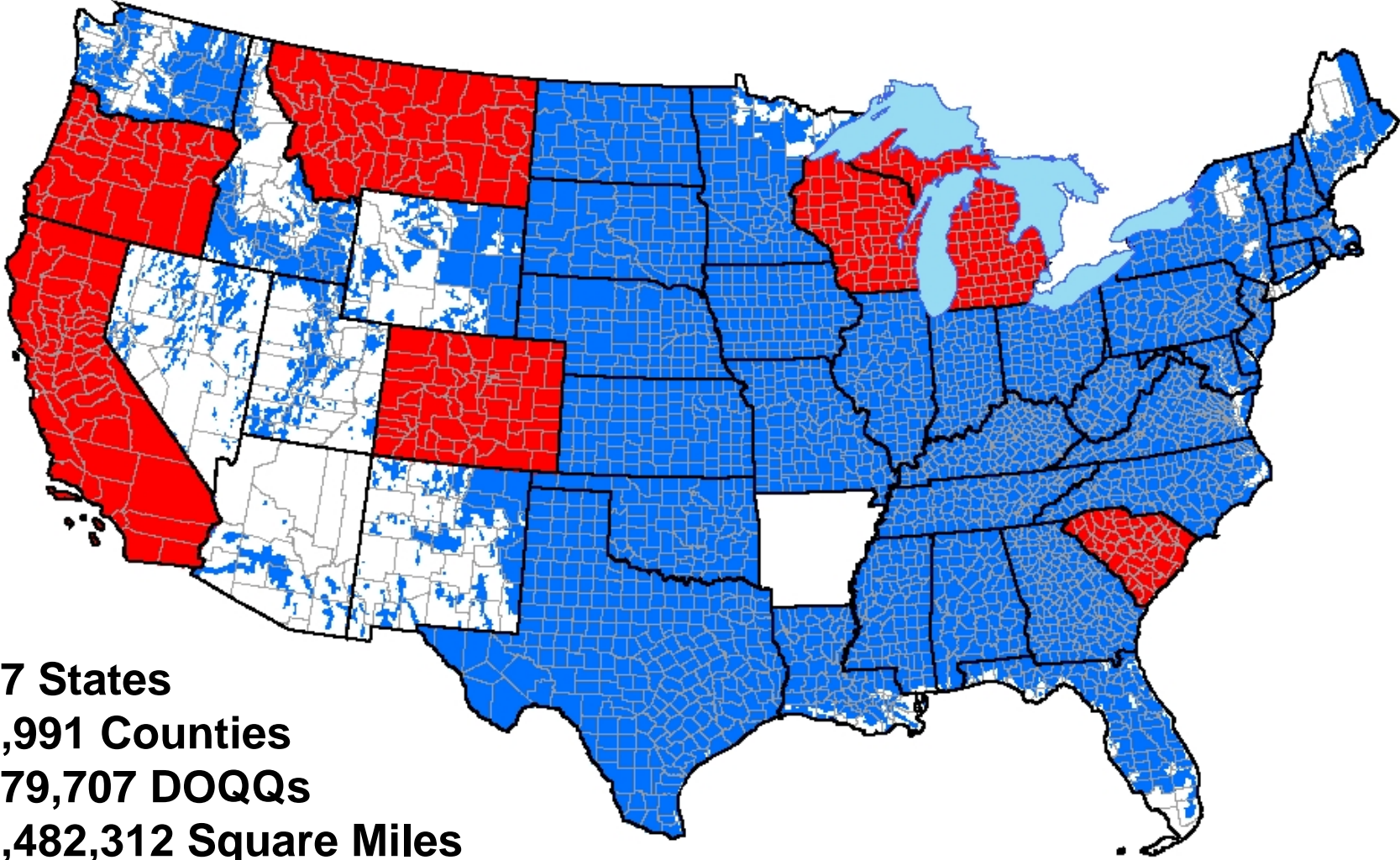
2005 Funding Sources

□ Natural Resource Consrv. Service	\$2,800,000
□ U.S. Forest Service	\$841,000
□ U.S. Geological Survey	\$666,600
□ U.S. Air Force Space Command	\$202,400
□ U.S. Department of Interior Agencies	\$130,000
□ State/County Government Agencies	<u>\$1,742,000</u>
Total 2005 Cost Shares:	\$6,271,000
□ Estimated FSA Funding Amount	<u>\$21,340,000</u>



2005 NAIP Funding Estimate: \$27,611,000



RFP Task Order Requirements 2005 NAIP COVERAGE

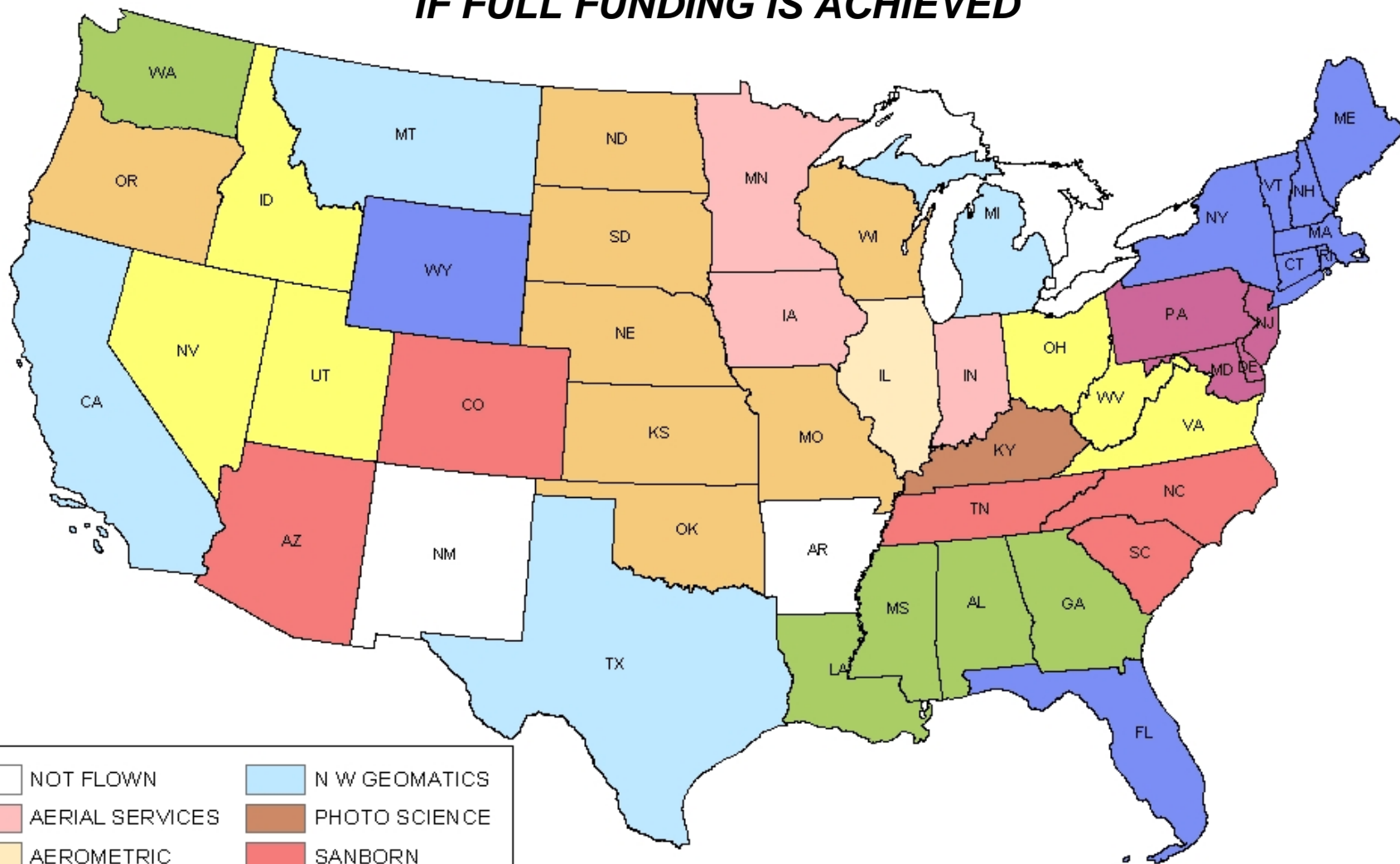













47 States
2,991 Counties
179,707 DOQQs
2,482,312 Square Miles

	1 METER COVERAGE
	2 METER COVERAGE

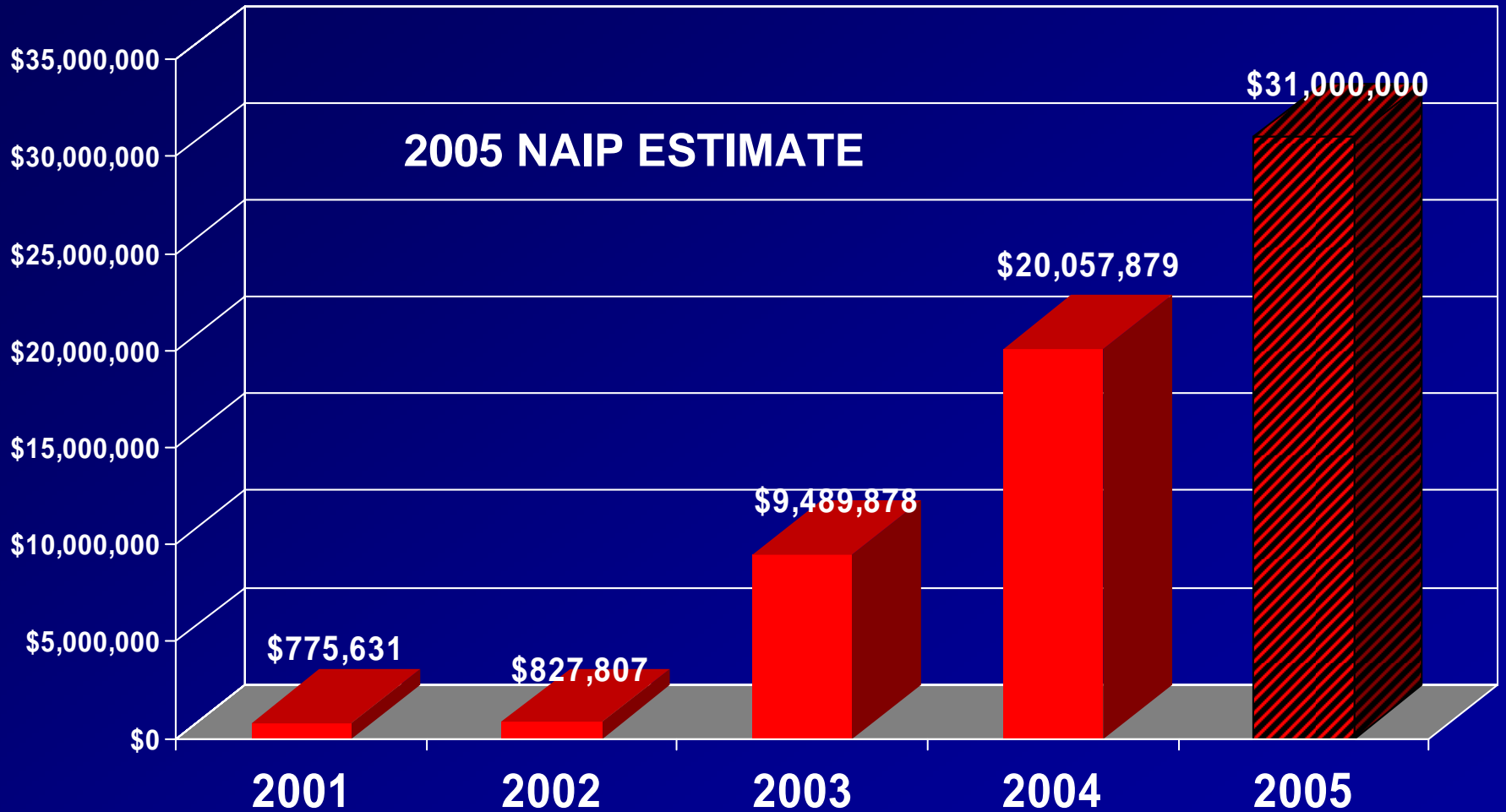
NAIP05 CONTRACTORS

IF FULL FUNDING IS ACHIEVED

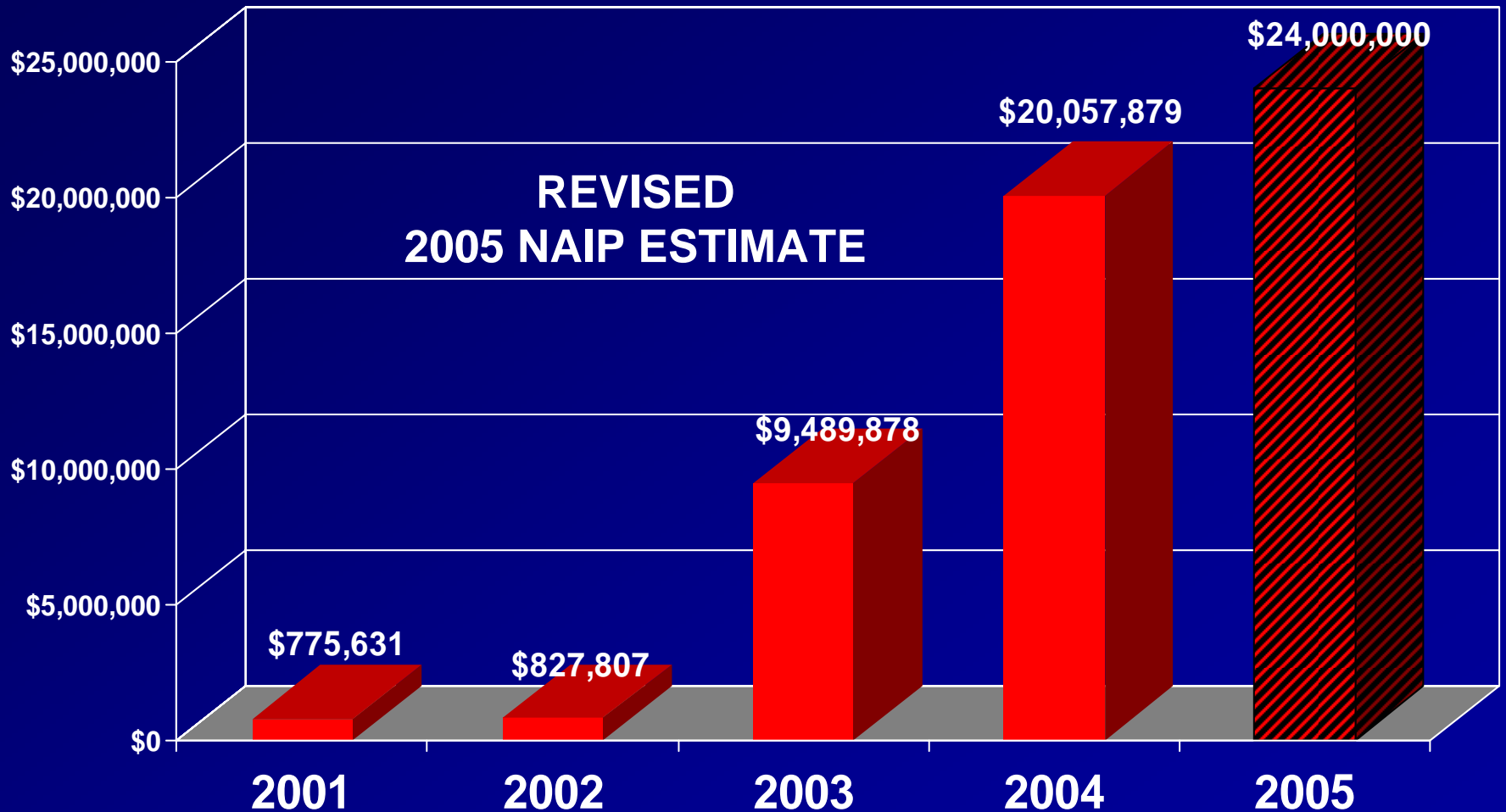


 NOT FLOWN	 N W GEOMATICS
 AERIAL SERVICES	 PHOTO SCIENCE
 AEROMETRIC	 SANBORN
 HORIZONS	 SURDEX
 LAND AIR MAPPING	 TRIATHLON
	 VARGIS

USDA NAIP Contract Award Amounts

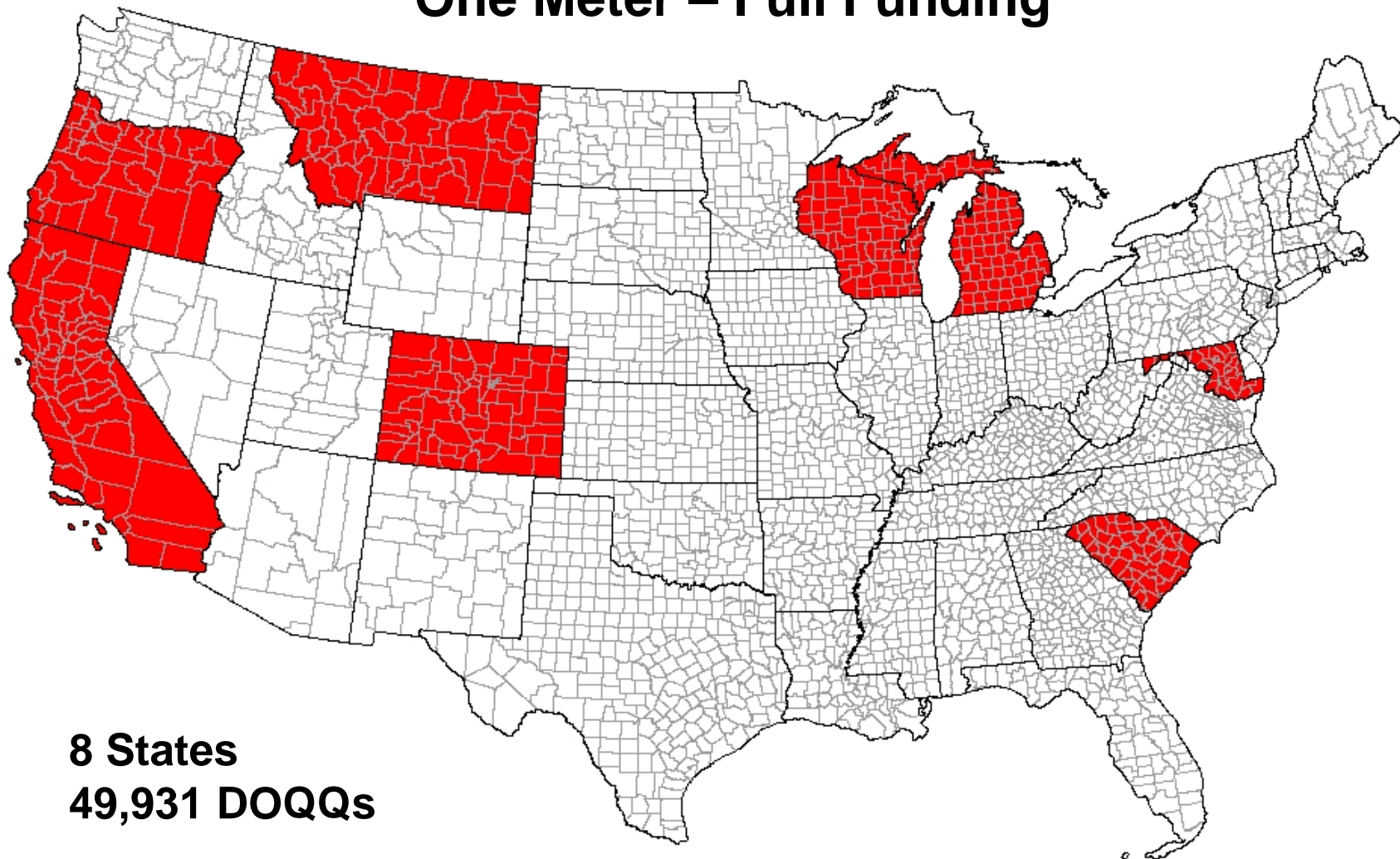


USDA NAIP Contract Award Amounts



2005 NAIP

One Meter – Full Funding

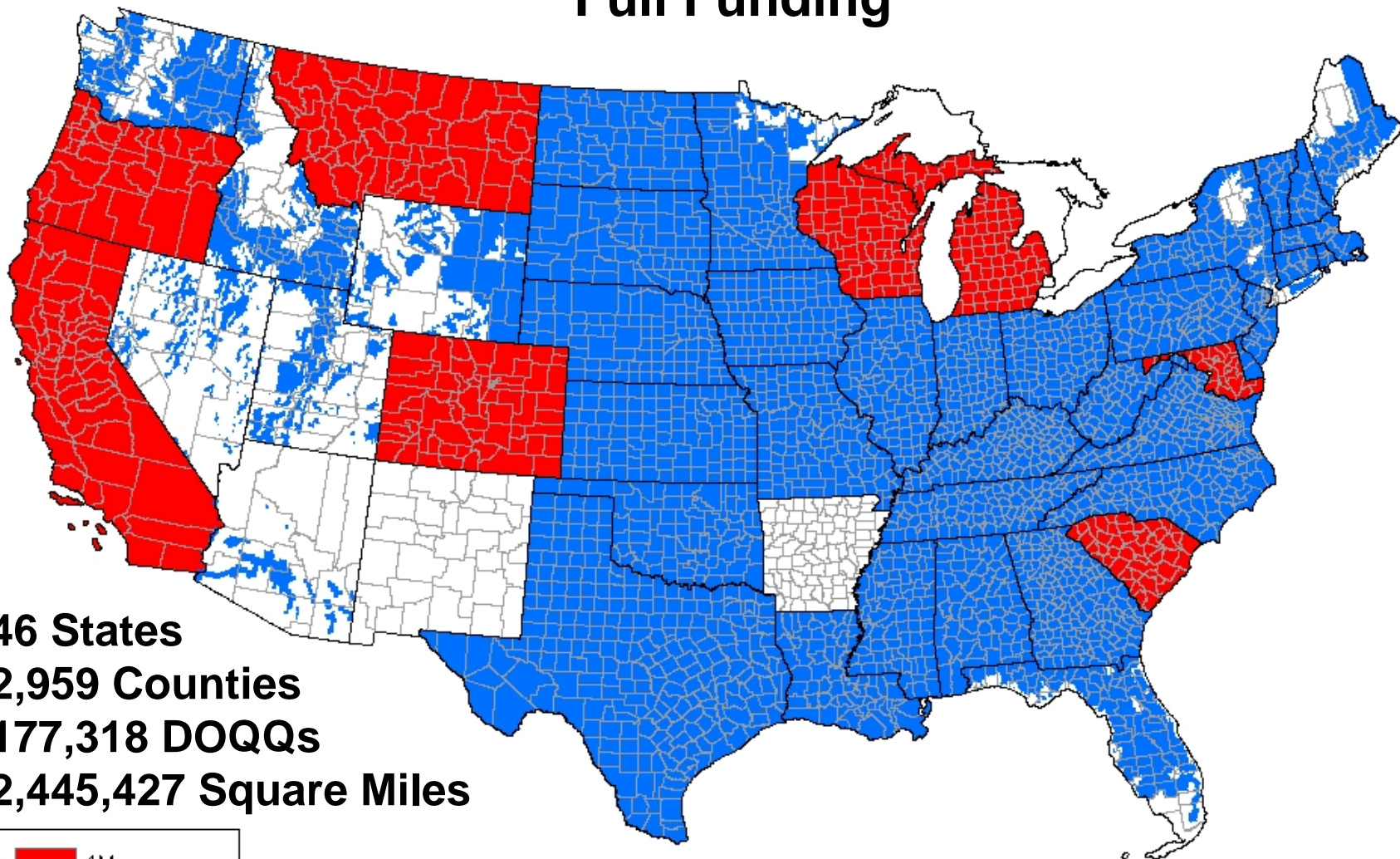


8 States
49,931 DOQQs

\$8.8 Million Estimated Cost



2005 NAIP Full Funding



46 States
2,959 Counties
177,318 DOQQs
2,445,427 Square Miles



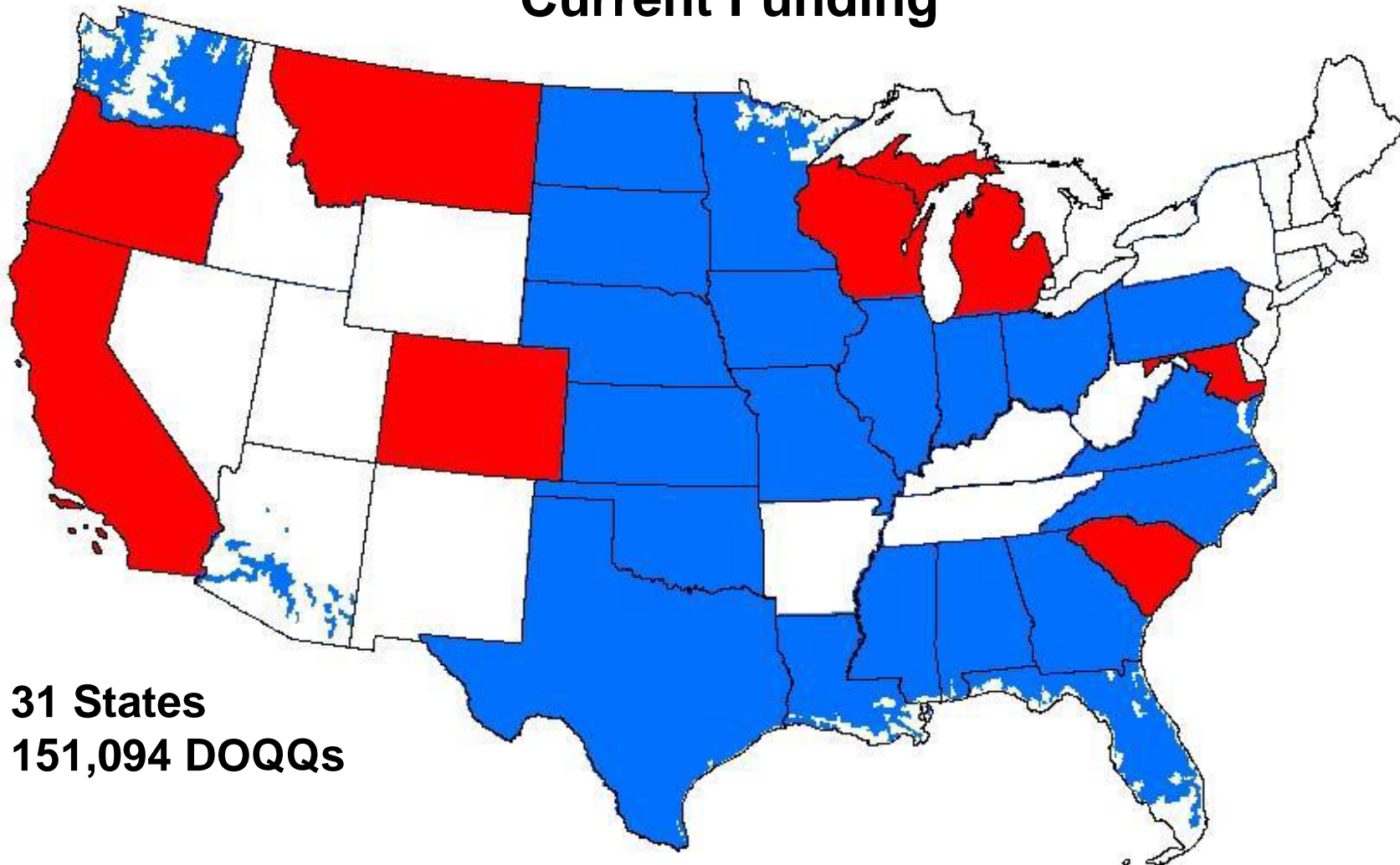
\$27.6 Million Estimated Cost

STATE	GSD	Unit Price	DOQQ	Price	Priority #1	Priority #2	Priority #3	Priority #4	Priority #5	Priority #6
California	1	\$175.30	11,079	\$1,942,148.70	x					
Colorado	1	\$175.30	7,345	\$1,287,578.50	x					
Maryland	1	\$175.30	881	\$154,439.30	x					
Michigan	1	\$175.30	4,863	\$852,483.90	x					
Montana	1	\$175.30	11,703	\$2,051,535.90	x					
Oregon	1	\$175.30	7,440	\$1,304,232.00	x					
South Carolina	1	\$175.30	2,146	\$376,193.80	x					
Wisconsin	1	\$175.30	4,474	\$784,292.20	x					
Mississippi	2	\$148.00	3,200	\$473,600.00		x				
Texas	2	\$148.00	17,182	\$2,542,936.00		x				
Illinois	2	\$148.00	4,163	\$616,124.00			x			
Iowa	2	\$148.00	4,181	\$618,788.00			x			
Kansas	2	\$148.00	5,693	\$842,564.00				x		
Minnesota	2	\$148.00	5,889	\$871,572.00				x		
Nebraska	2	\$148.00	5,873	\$869,204.00				x		
North Dakota	2	\$148.00	5,675	\$839,900.00				x		
Georgia	2	\$148.00	3,910	\$578,680.00					x	
Indiana	2	\$148.00	2,698	\$399,304.00					x	
Louisiana	2	\$148.00	2,918	\$431,864.00					x	
Missouri	2	\$148.00	5,043	\$746,364.00					x	
Ohio	2	\$148.00	3,077	\$455,396.00					x	
Oklahoma	2	\$148.00	4,716	\$697,968.00					x	
South Dakota	2	\$148.00	6,045	\$894,660.00					x	
Washington	2	\$148.00	3,737	\$553,076.00					x	
Alabama	2	\$148.00	3,470	\$513,560.00						x
Florida	2	\$148.00	2,943	\$435,564.00						x
New Mexico	2			\$250,000.00						
North Carolina	2	\$148.00	3,586	\$530,728.00						x
Pennsylvania	2	\$148.00	3,413	\$505,124.00						x
Virginia	2	\$148.00	3,014	\$446,072.00						x
Arizona	2	\$148.00	737	\$109,076.00						x

FSA NAIP PRIORITIES
Total Cost: \$23,975,028
Total DOQQs: 151,094
Total States: 31

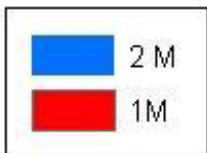
2005 NAIP

Current Funding



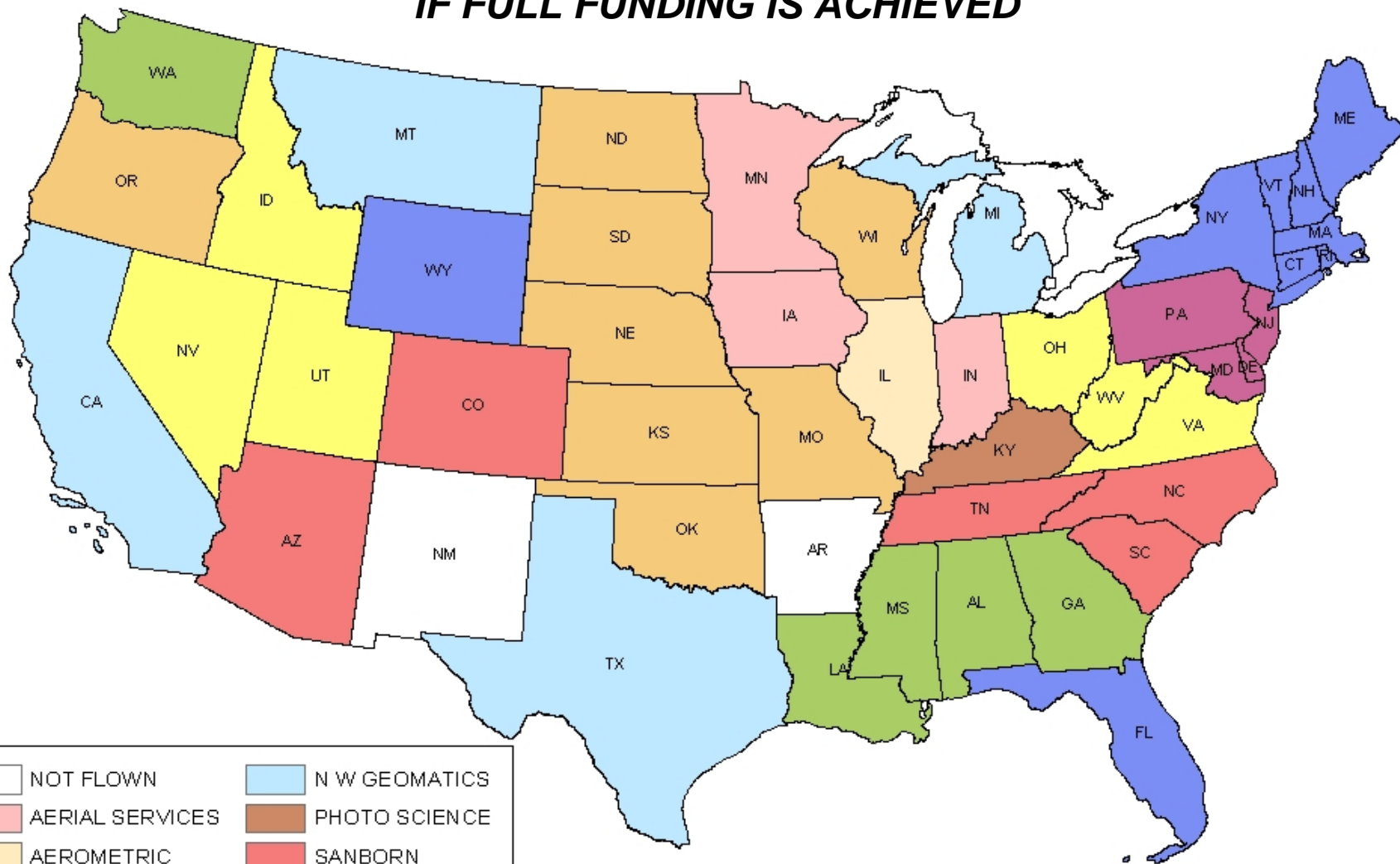
31 States
151,094 DOQQs












\$24.0 Million Revised Estimate



NAIP05 CONTRACTORS

IF FULL FUNDING IS ACHIEVED



 NOT FLOWN	 N W GEOMATICS
 AERIAL SERVICES	 PHOTO SCIENCE
 AEROMETRIC	 SANBORN
 HORIZONS	 SURDEX
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	 VARGIS

QUESTIONS ??

