

2011 Resource Contracts

All 100% Flown 😊

Six Rivers NF
16, 210, 100% Accepted



Mendocino NF
16, 210, 100% Accepted



Black Hills NF
Hells Canyon Fire Area
Mod, 30cm
Georeferenced Imagery &
DOQQs Delivered to FS

San Juan NF, 30cm
Delivery anticipated week
Dec. 5 2011

**Baca Mtn. Tract,
Rio Grande NF
30cm**

Comanche NGL
30cm – Stereo
Imagery in

Cimarron NGL
30 cm Stereo Imagery in

**Coronado NF,
& Fire Mod Area,
25cm
Stereo Imagery in**

Acquisition Method



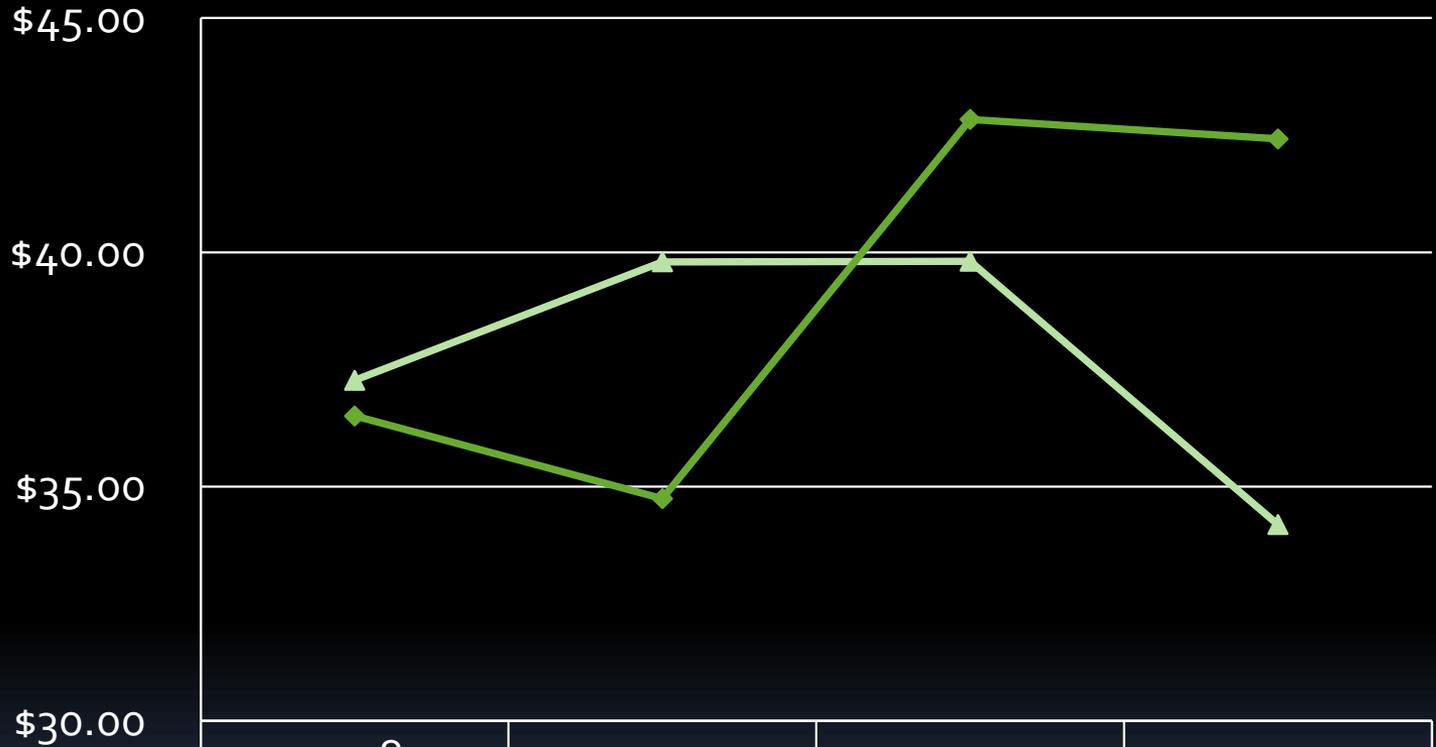
Film



Direct Digital

Resource Contracts - Cost

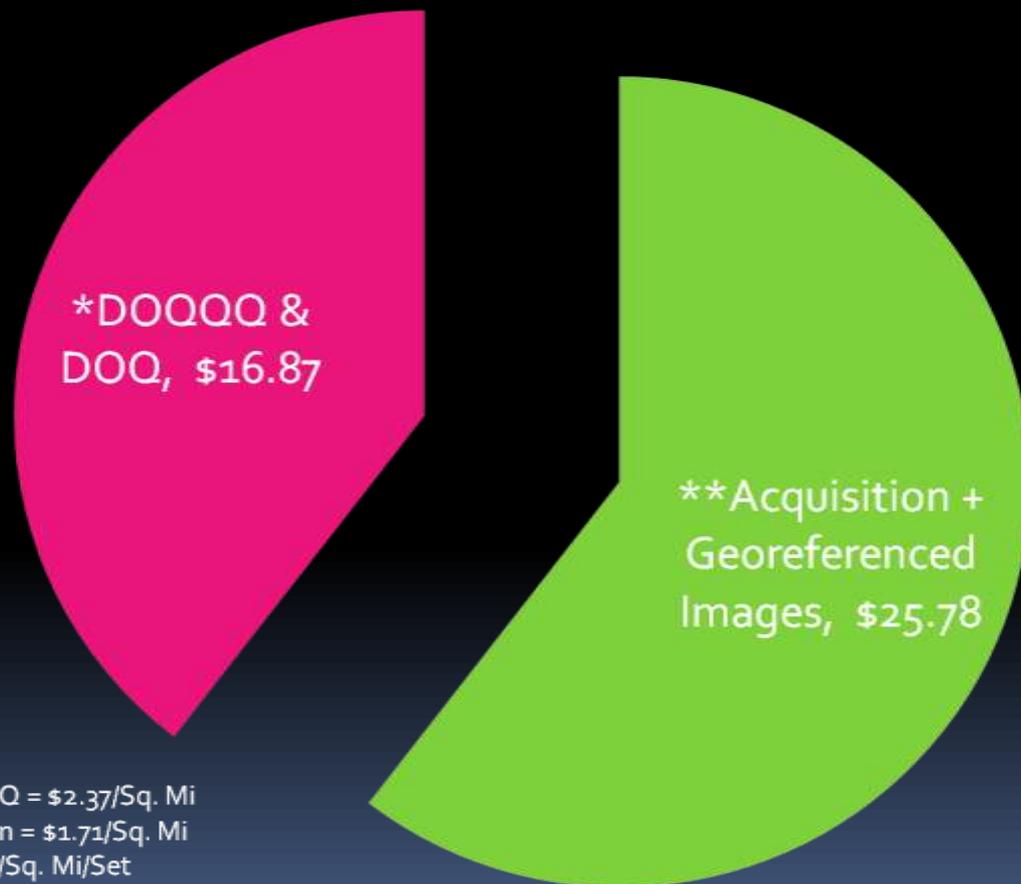
Acquisition Cost Per Square Mile



▲ Film	\$37.27	\$39.80	\$39.81	\$34.19
◆ Direct Digital Acquisition	\$36.51	\$34.74	\$42.84	\$42.42

2011 Direct Digital Product Cost

Breakdown of Cost Per Square Mile



*DOQ add-on to DOQQQ = \$2.37/Sq. Mi
**8B Color Image add-on = \$1.71/Sq. Mi
Stereo Block File = \$3.17/Sq. Mi/Set
Modification areas Ave \$103.71/Sq. Mi



Digital Resource Contracts - 2011

- Continuous process of refining statements of work, deliverables, and specifications
 - DOQQQ for CONUS (8-bit and 16-bit)
 - DOQ (3 band 8-bit .img/.ige & MrSID 1:20)
 - 8-bit Color Corrected Stereo Imagery in addition to 16-bit
 - Pre-production samples of each product
 - Facilitated 8-bit ortho images for placement on RSAC image server
- 

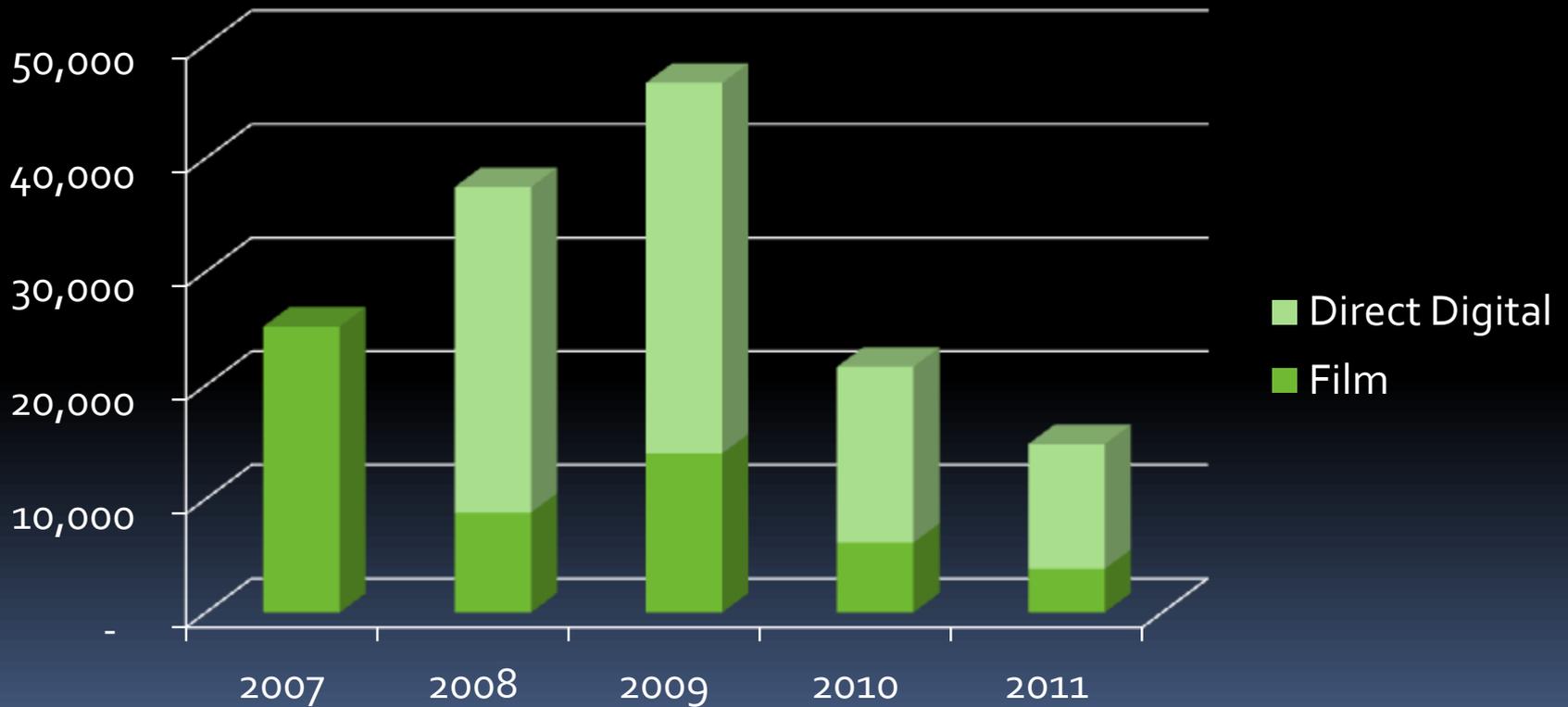
**Rio Grande NF, CO – 8-bit
Orthorectified Image Tiles**



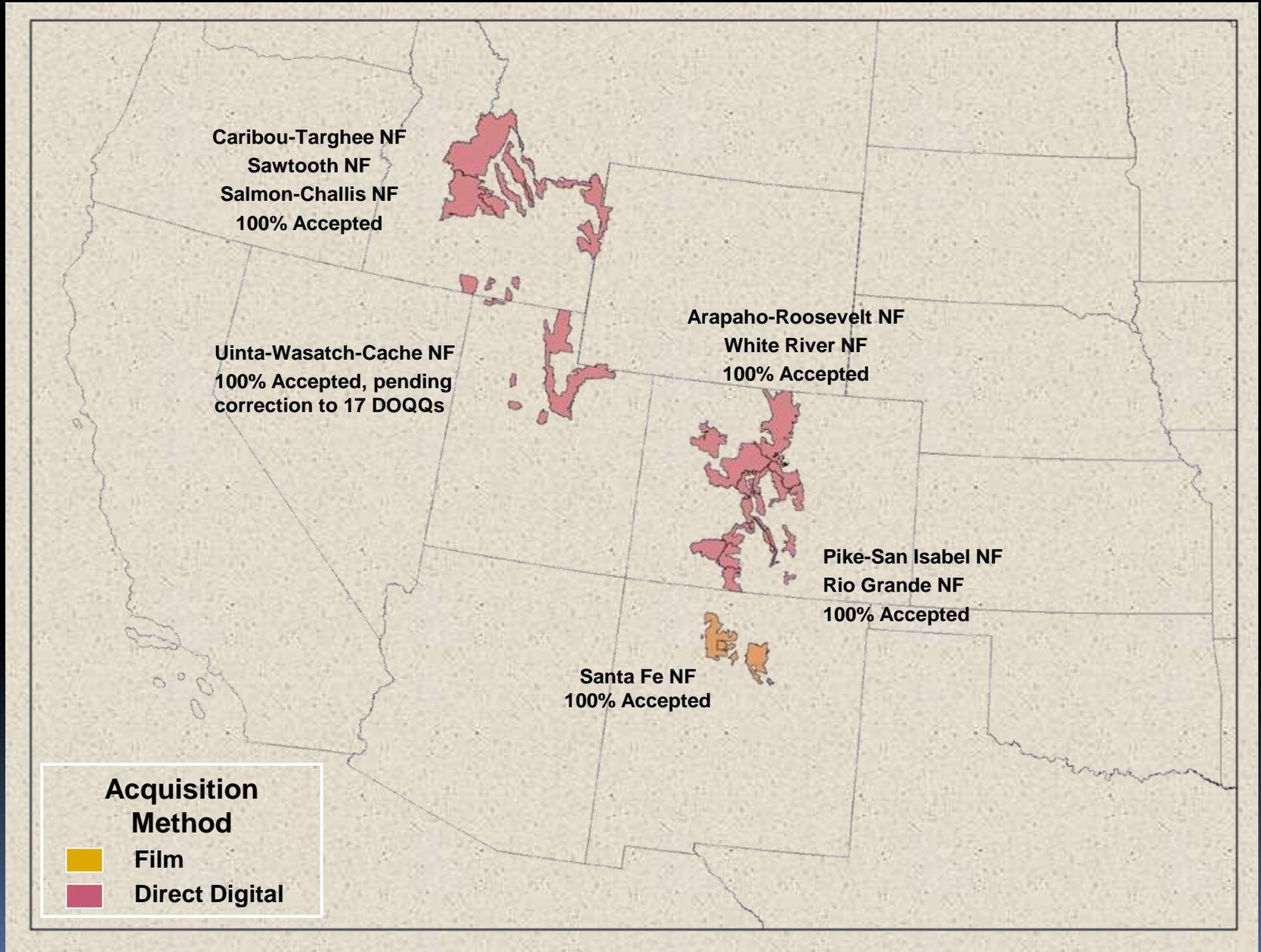
From RSAC Image Server

History of Resource Contracts

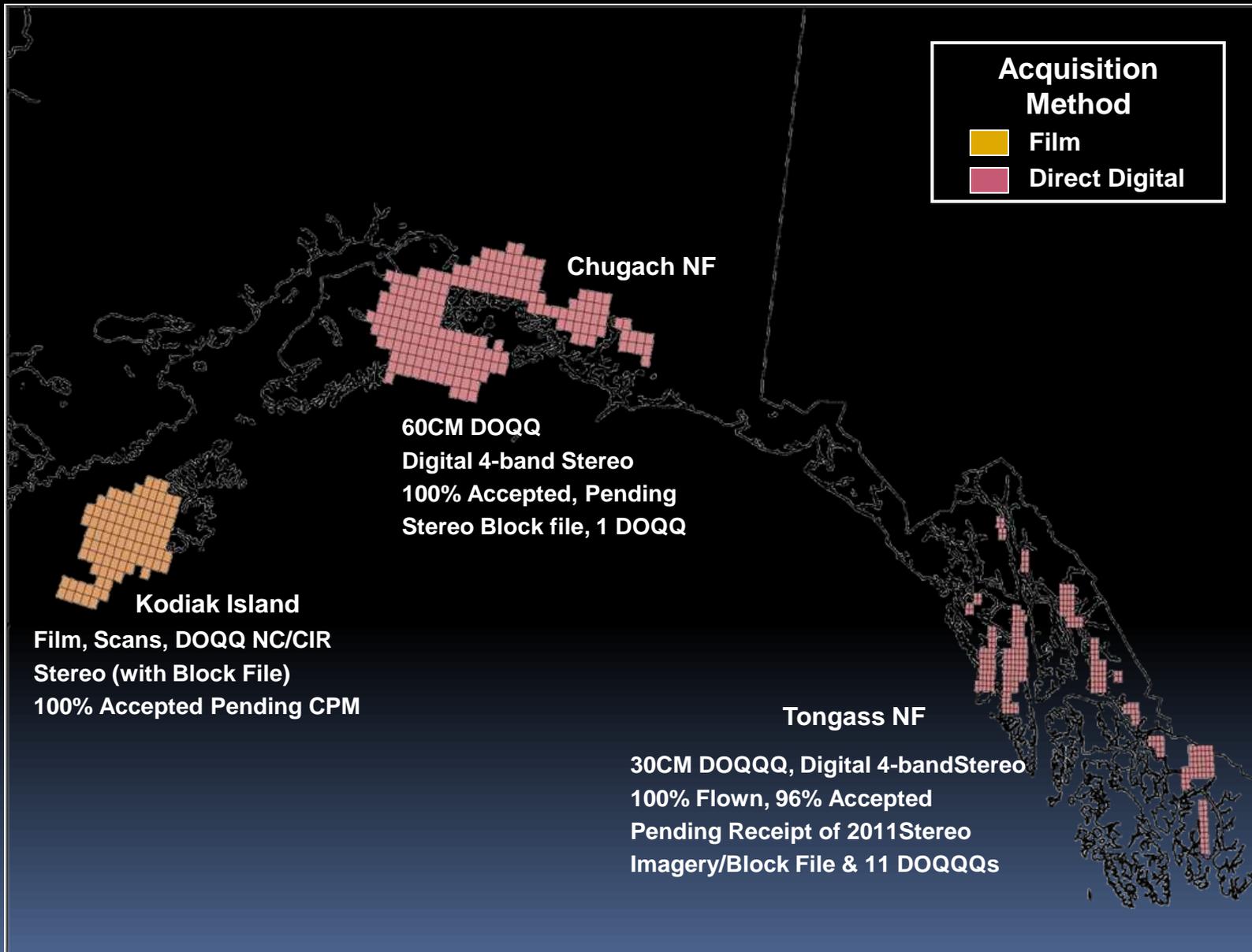
Resource Imagery Contracted Square Miles



2011 Carry Over - Prior Year Resource Contracts



Alaska Resource Contracts

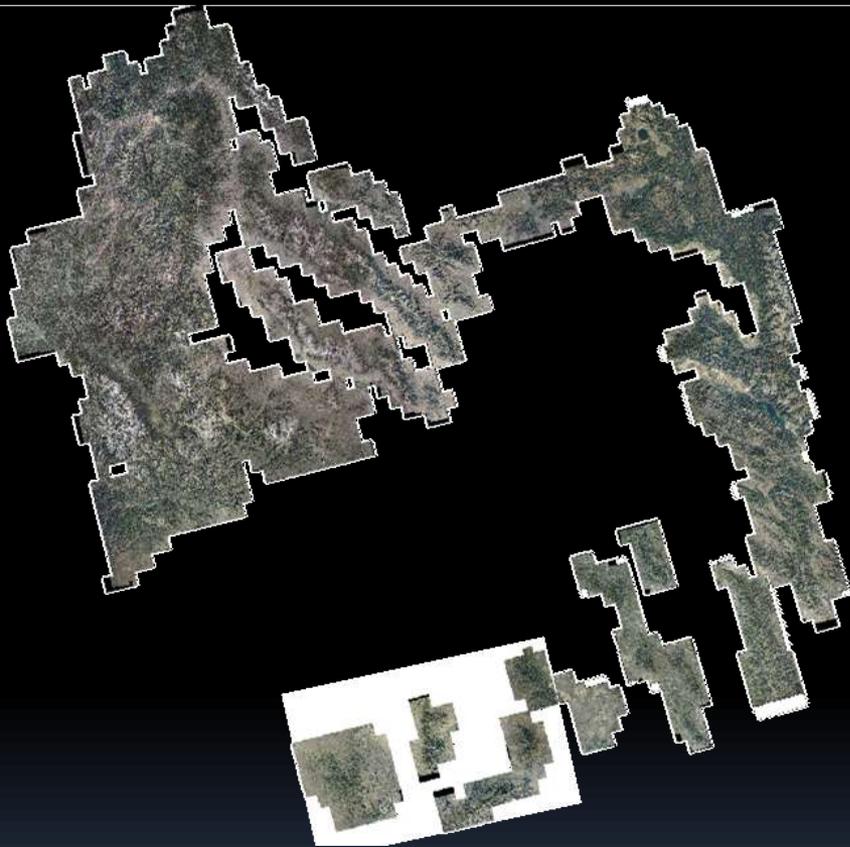




I.e...

6,964 Square Miles
13,018 Stereo Images
13,018 Ortho Images

**Pike-San Isabel &
Rio Grande NFs**
(From RSAC Imager
Server)



**Salmon-Challis,
Sawtooth & Caribou-
Targhee NFs (RSAC
Image Server)**



**Caribou-Targhee NF (RSAC
Image Server)**

To Consider for 2012...

- Exploring inspection process changes
 - Currently inspecting 100% - 47,575 Square Miles inspected this way in 2011 (prior year projects bubble)
 - Could do....
 - 100% visual inspection of one product; sampling combined with scripts
 - One-year processing warranty and data retention requirement
- 8-Bit color corrected stereo imagery
 - Facilitates easier use by more personnel
 - Relatively low cost (<\$2/Sq. Mi)
 - Facilitates better inspection by APFO
- Compressed Project Mosaic (CPM)
 - Useful for FS?
 - Beneficial for APFO inspection
 - Could price as option

Specification Changes

- Stereo Block Files
 - Contractor difficulty in generating a file that works upon load (software)
 - Zooming in and maintaining stereo
 - Stripping Geotiff header tags; Spatial reference remains
 - ERDAS help ticket initiated
 - Define image reference to reduce number of images per block file
 - File for each AT block? File per drive?
- Ortho Issues/Specs
 - Reduced buffer from 300 to 100 meters
 - Feathering and automatic seamline generation
 - Option for manual seamline adjustment (2011 price added \$40/000)
 - Add seamline shapefiles?

Automated SeamLine Blur



More to Consider for 2012...

- ADS Sensor Strips – image and file size
 - Reduced 3D effect in Stereo Analyst vs frame based
 - White Paper – James Monty, RSAC/Red Castle
 - Working w/Northwest for Customer contact to gain workflow to optimize ADS stereo viewing
 - Can we make useful 22,535 square miles stereo imagery for R4
- ArcGIS 9.3 to 10. APFO time frame vs FS
- 2012 IDIQ for Resource
 - Nationwide?
 - Number of contractors (3 or 4)
 - Minimum order for each contractor
 - Establish range of Resource imagery Needs
 - Include elevation data?