



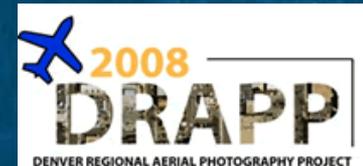
DRAPP '08

Denver Regional Aerial Photography Project

National Digital Orthophoto Program (NDOP)
Meeting

Paul Gibbs, Member Services Manager
Mathew Krusemark, DRCOG Geospatial Team Manager

Boulder, Colorado
7 October 2008



Agenda

- 1) Recent history of aerial imagery projects in the Denver Metro area
- 2) Business need for DRAPP
- 3) Funding strategies
- 4) Partnership strategies
- 5) DRAPP '08
- 6) Future efforts

Recent History

- Before 2000, most public agencies in the Denver Metro Region acquired their own imagery as needed
- In 2000, RTD (Transit) partnered with other agencies and acquired regional imagery and a DEM to support future ortho acquisitions
- In 2004, the City and County of Denver acquired LiDAR and Ortho imagery (combo)
- In 2004, 2006, and now in 2008 DRAPP has occurred (ortho imagery and ortho DEM updates along the way - no LiDAR)

DRAPP Geography

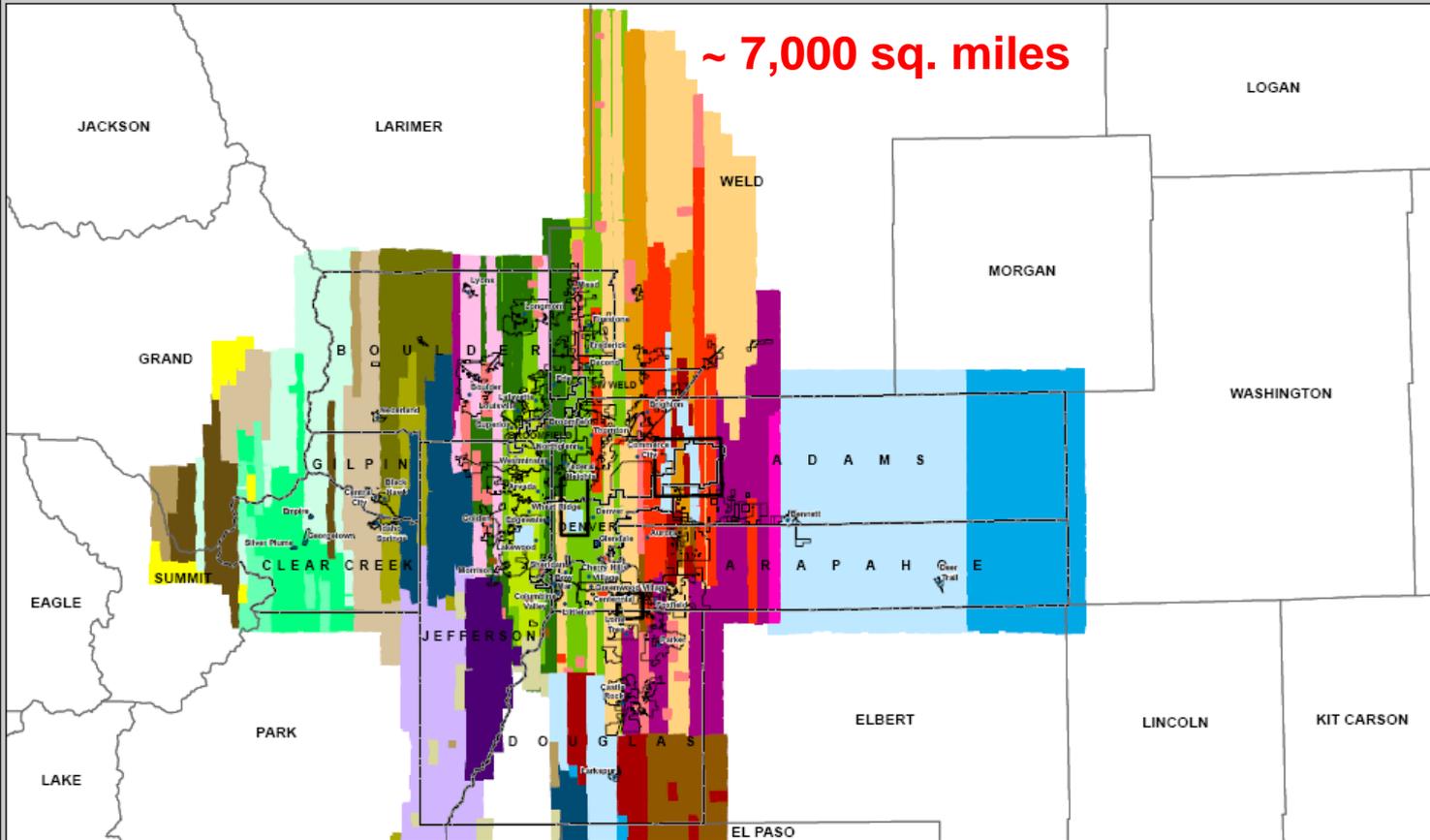
DRAPP 2008
Aquisition Fabric as of August 21, 2008

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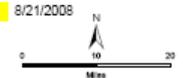
~ 7,000 sq. miles



Acquisition Footprints

4/14/2008	4/19/2008	4/22/2008	5/4/2008	5/11/2008	5/30/2008	6/8/2008	6/14/2008	6/29/2008	8/21/2008
4/15/2008	4/20/2008	4/23/2008	5/5/2008	5/12/2008	5/31/2008	6/7/2008	6/24/2008	6/30/2008	
4/18/2008	4/21/2008	4/25/2008	5/6/2008	5/25/2008	6/2/2008	6/13/2008	6/27/2008	7/4/2008	

USGS DNC Footprints (Pink Areas) DRCOG Member County Boundary



SOURCE DATA
 This data is intended for informational purposes only. DRAPP does not warrant the accuracy, completeness, or timeliness of the information. DRAPP is not responsible for any errors or omissions, whether caused by negligence or otherwise. DRAPP is not responsible for any damages, including consequential damages, arising from the use of this information.
 Projection: State Plane Color
 MGRS: CR
 DRAPP/DRCOG/USGS
 Acquisition_Map_08



Business Need for DRAPP

- Expensive for individual agencies to acquire their own imagery
- Opportunity for a regional base map
 - Parcel data
 - Street centerlines
 - Jurisdictional boundaries
 - Etc.
- Leverage our resources together, collaborate
 - Economies of scale

Funding Strategies

- DRCOG Members
 - Membership has it's privileges (special formula)
- Underwriters (\$120,000)
 - Regional, State and Utility
- Federal
 - USGS to feed the 'The National Map' & 133 Cities initiative
- Non-members
 - Water/sewer districts, E911 districts, etc.

Partnership Strategies

- Leverage existing investments in:
 - Control
 - DEM/DTM
 - Past year's imagery for QA/QC
- Provide a service for DRCOG Member Governments
- Improve collaboration between agencies
- Improve the accuracy of data (and regional data) using a common base map

DRAPP '08

- Project has doubled since '06
 - Approx. \$1.1 million
 - now 6-inch in urban areas
 - 40+ consortium members
- Provide 'interim' imagery to stakeholders in support of the DNC
 - 60 days after acquisition!
- Continue to improve regional base map
- Continue to show regional collaboration and economies of scale



Future Efforts

- LiDAR/Ortho combination?
- Yearly Imagery acquisitions?
- Higher resolutions?
- Satellite imagery?
- More state and federal opportunities to partner?
- Other?

Save the date!

Regional Data Summit

Thursday, November 13th

DRCOG



Thanks!

www.drcog.org/drapp

DRCOG
Denver Regional Council of Governments

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Regional Data and Maps > Denver Regional Aerial Photography Project

Denver Regional Aerial Photography Project print

DRCOG, in collaboration with its member governments and other public-sector entities, routinely produces high-quality digital aerial photography for the Denver metropolitan region.

DRAPP 2008 Schedule/Timetable
DRAPP 2008 Key Milestones are now listed on the [DRAPP 2008 Schedule/Timetable page](#).

DRAPP 2008 Consortium Topics
Agendas, minutes, and project status presentations from past DRAPP meetings are available on the [DRAPP 2008 Consortium Topics page](#).

Section Highlights
There are no highlights at this time.

Selected Downloads

- DRAPP 2008 RFP
- DRAPP 2008 project area (shapefile)
- DRAPP 2008 project area (KML)
- DRAPP 2008 6" tiling scheme (shapefile)
- DRAPP 2008 1' tiling scheme (shapefile)
- DRAPP 2008 supertile (shapefile)
- DRAPP 2008 6" vs 12" resolution comparison
- DRAPP 2008 acquired footprints and photocenters as of July 4, 2008 (shapefile)
- DRAPP 2008 acquired imagery as of July 4, 2008 (PDF)

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