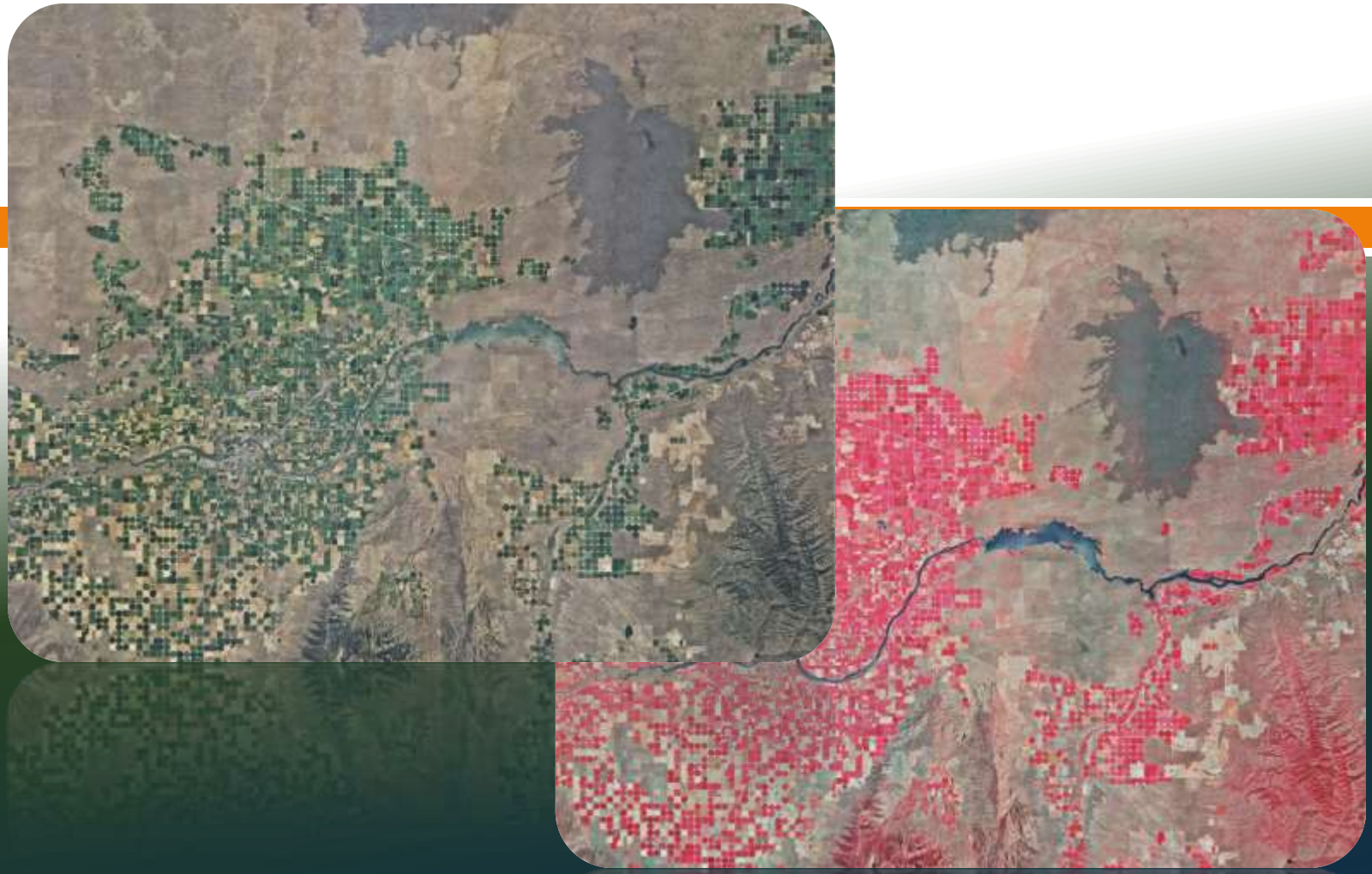


# IMAGERY: LESSONS LEARNED

# Participants

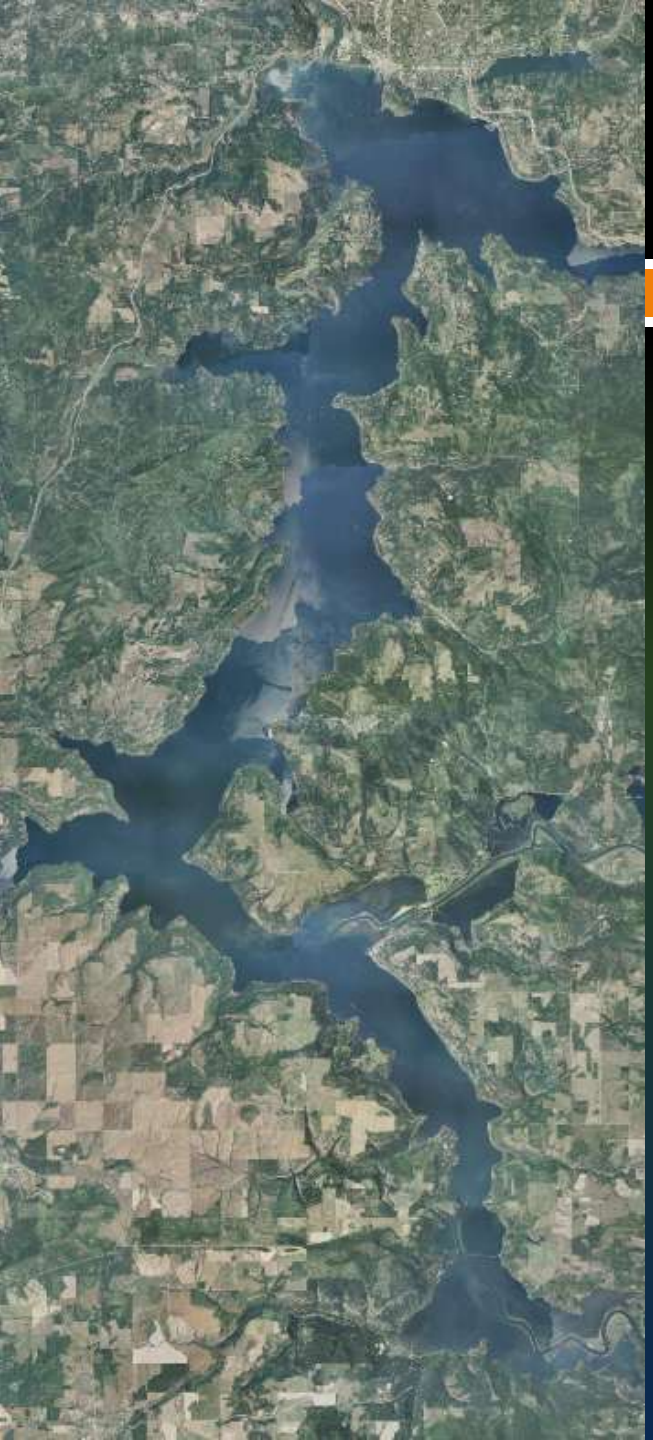
- Chris Clay
- Dawn Leatham
- Jeff Servatius
- Walt Bulawa
- John Courtright
- Keith Weber
- Margie Wilkins
- Nick Nydegger
- Bruce Godfrey
- Gail Ewart

# 1. Initiation of TWG and Partnership

- Most people felt that the right people were involved and that there was a good mix
- Specific comments:
  - Involve all Counties
  - Engage more private companies
  - Long-term component

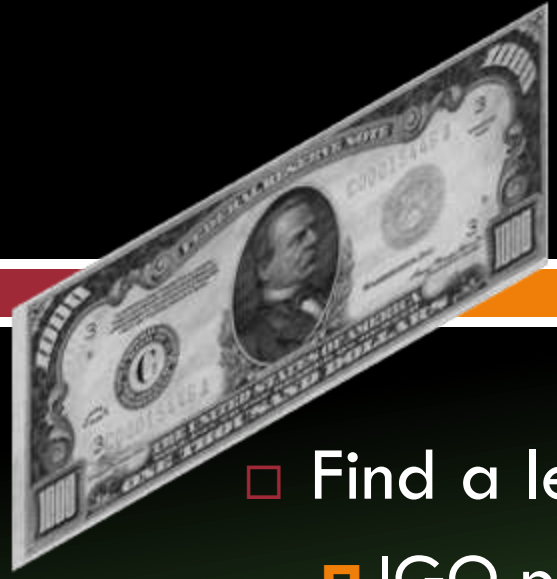
# 1. Initiation of TWG and Partnership

- Specific comments (continued):
  - Framework Coordinator contacts partners
  - Have an open mind where services end up
  - Contact national BLM office for support
  - It was a good idea to include smaller agencies, not just to contribute money, but also to be part of the entire process



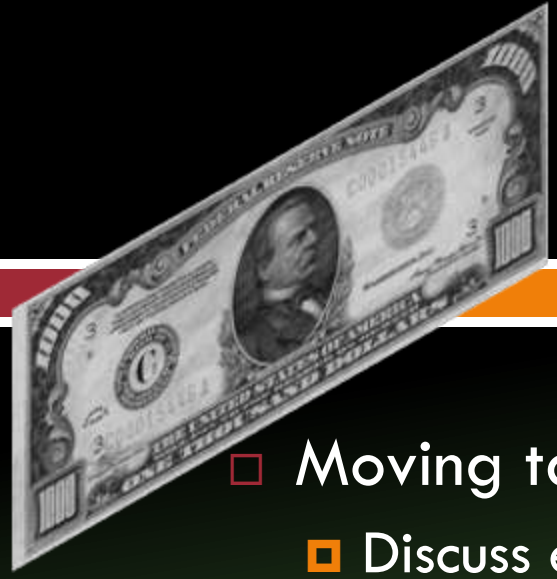
# 2. Partnership Consortium

- Nearly everyone agreed that it was a good way to go
- Specific comments
  - Needs and structure will change for 2013 NAIP
  - Explain difference between TWG and Partnership Consortium early on
  - Clearly establish roles of universities early on
  - Clearly define who receives resources and what is expected in return



# 3. Funding

- Find a less complicated funding mechanism
  - IGO prefers a different approach in the future
  - If possible, set up multi-organizational structure that has its own spending authority and can collect and distribute money more freely.
  - ASAP define where people can send funding
- Have a mechanism to
  - accept long-term commitment to NAIP
  - encourage agencies to put NAIP in their annual budget.



# 3. Funding

- Moving target
  - Discuss early on what to do when too much, or not enough money is collected
- Give people as much time as possible to find money in their own organizations
- "Give what you can" works well
- Without funding component TWG can move faster
- Funding for NAIP delivery should be discussed ASAP so software/hardware can be ordered early.
- County perspective: we did not have any problems with partnership agreements and providing funding

# 4. NAIP Program

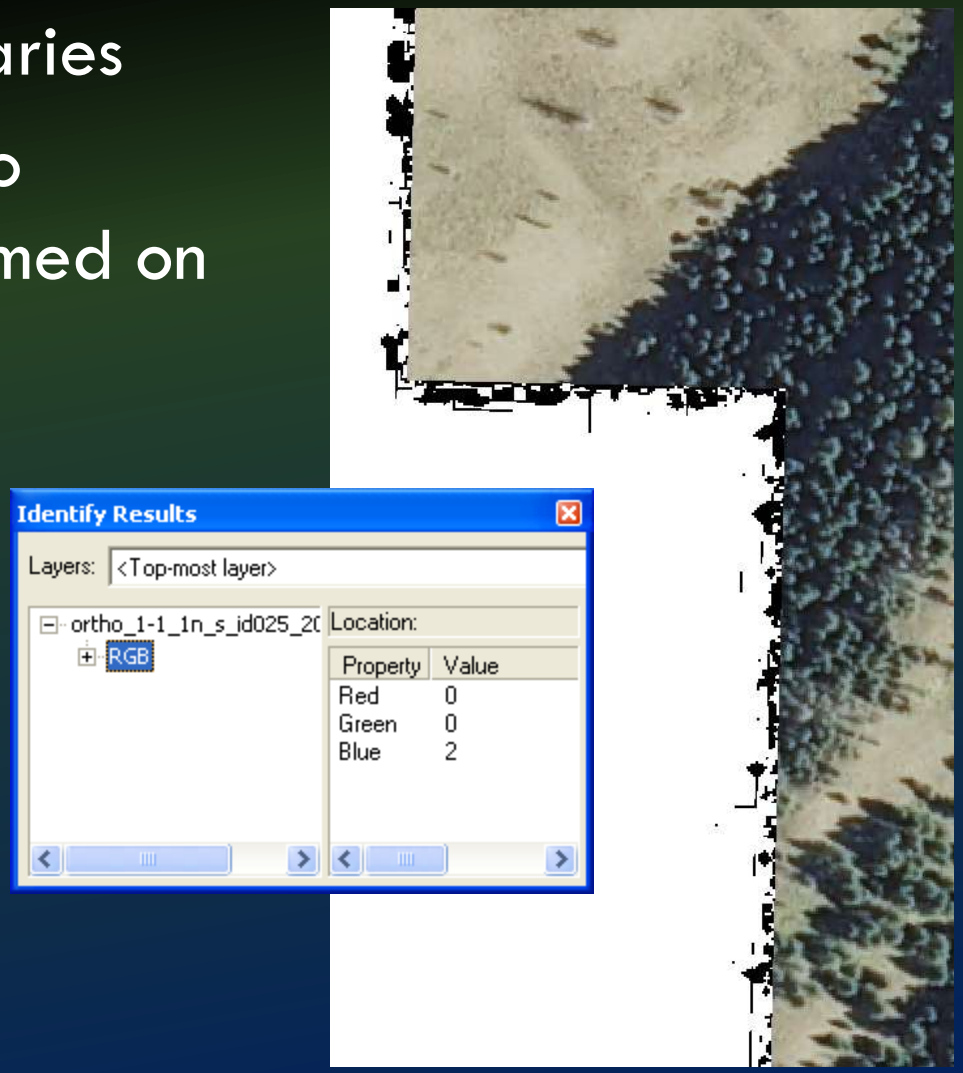
- NAIP is a great program – keep going!
- Shadows

# 4. NAIP Program

- Control
  - Use absolute control
  - Look into State GPS Network
- Have other imagery program for years outside NAIP
- Look into satellite based imagery
- Option for Counties to get better resolution
  - Important to keep all of Idaho in the same resolution

# 4. NAIP Program

- Specks on CCM boundaries
- Create 4 band CCMs to QA/QC can be performed on all bands.




General sentiment: it is great to have NAIP program.

# 5. Post Processing

- QA/QC
  - Have a rating system and specific questions (for example rate shadows, brightness, etc.)
  - Provide people with example of great/ acceptable/unacceptable NAIP to score against
  - Report issues to one person who then compiles and passes that on to APFO
  - Divide up work between TWG members. At least two pairs of eyes per CCM.

# 5. Post Processing

- Need to have a large ftp site to disseminate data ASAP
  - Advertise to Partners who they can contact to get the data
- Make collaborative decision about products for people that do not wish to use internet services
  - A number of people were happy with 100K tiles

# 6. Partner Deliverables

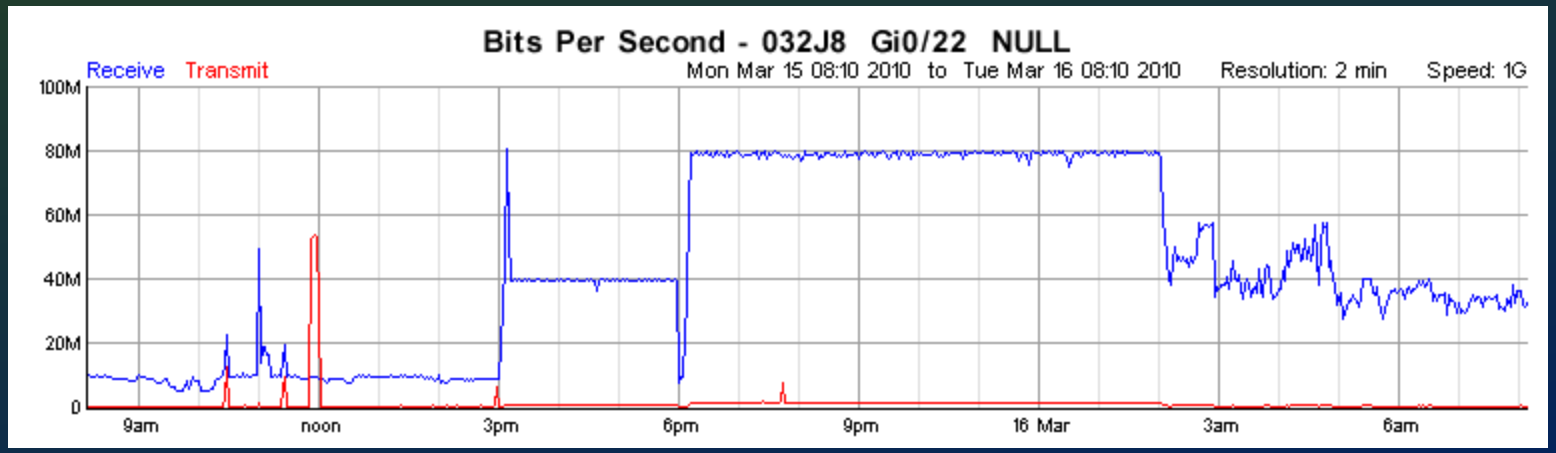
- Discuss early on whether partners have preferential access to the data (CCMs, DOQQs?)
  - Provide short and easy to find document with partnership resolutions
  - Partner agreements should have "teeth" to hold partners to those agreements
- Disseminate final product ASAP
  - Initiate MOU's etc. They are complicated and take time. Slower during legislative session.
  - Agree on a backup plan if primary delivery method is delayed (burn and send DVDs or external hard drives)
- Explain to people that the speed of map and image services is impacted by type of network that is used by the client

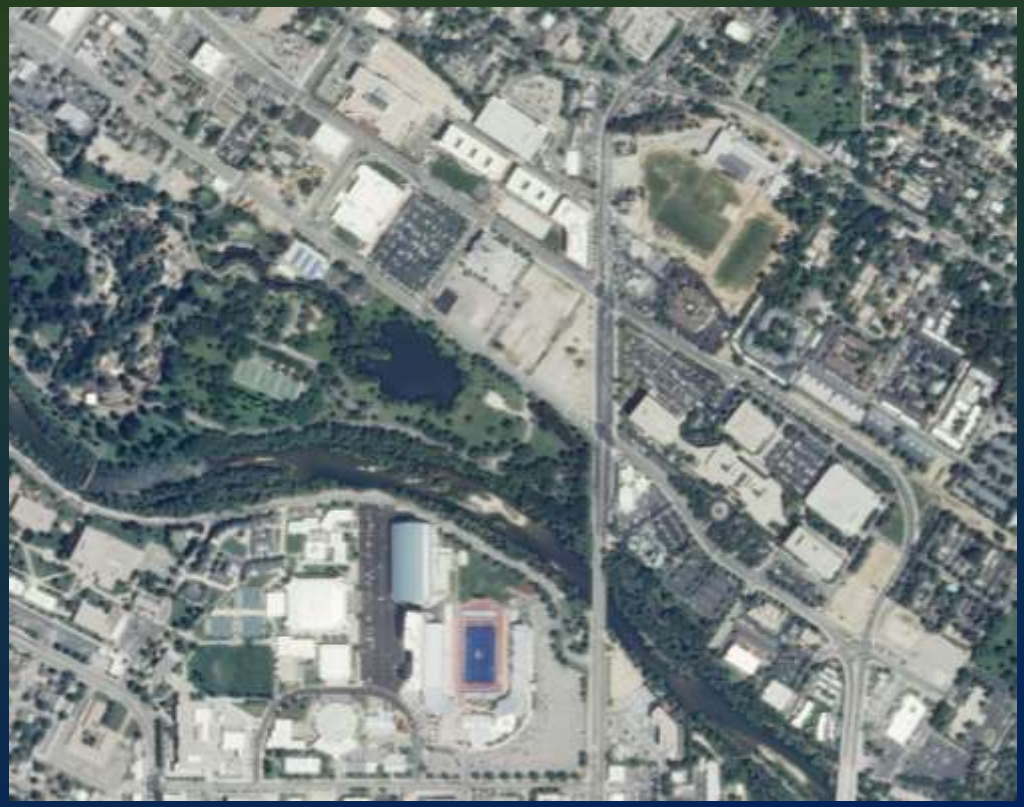
# 6. Partner Deliverables

- Discuss early on where data should be housed
  - Look into the possibility/cost of serving NAIP "in the cloud" (for example on Amazon)
  - Look into the possibility to have data housed in the Department of Administration
  - Picking Inside Idaho and ISU provides support for Idaho GIS portals

# 6. Partnership Deliverables

- Technical background on ISU and Inside Idaho
  - ISU transferred 6,553 files (1.03 TB) to Inside
  - Network tests show speeds up to 600MB/s
    - ISU has 1 GB/S connection to the core
  - Because of external errors actual transfer speeds only reached 40-80MB/s



# 7. Other comments?

- It took a long time, although that did allow people more time to find funding
- I am glad it is done..