

Imagery TWG Meeting Notes
Idaho Water Center
September 2, 2009

Attendees:

Margie Wilkins, IDWR	Eric Rafn, IDWR	Bruce Godfrey, InsideIdaho *
Gail Ewart, CIO	Michael Ciscell, IDWR	Dawn Letham, Bonneville Co. *
Jerry Korol, NRCS	Chris Clay, IDL	Paul Schneider, Bingham Co. *
Jim Szpara, DEQ	Keith Weber, ISU	
Toni Williams, FSA	Ross Dodge, COMPASS	

*via telephone

2009 NAIP DOQQ Acquisition Status

- Idaho is 100% acquired
- CCMs are being posted for review **by partners**.
- As of 09-02-09, only Boundary, Benewah, and Kootenai Counties were available. (update: Bonner, Latah, and Lewis are available as of 09-04-09)
- Due to flight delays (0.5-meter resolution discussion), Surdex has received an extension -- completion of CCM delivery by Oct. 15.

ArcGIS Image Server and ArcGIS Map Service using a Fused Cache

Comparison Summary (this was only minimally reviewed but is provided here for reference)

ESRI ArcGIS Server Map Service (w/fused cache)	ESRI ArcGIS Server Image Server Extension
<ul style="list-style-type: none"> • Create MXD using Image Server service • Generate cache beforehand or on-the-fly as users request • Publish as ArcGIS Server map service, WMS, WCS, KML. • Consume in desktop applications or develop web applications against this web service using APIs. 	<ul style="list-style-type: none"> • Create service definition file using raw GeoTIFFs • Publish Image Service • consume in ArcMap or several other clients by connecting directly to the Image Server
Serves a picture based on agreed upon tile scheme (format (jpg, png, etc), cache scales, tile size, projection, etc)	Serves GeoTIFFs natively; users have the ability to extract, change band combinations, apply brightness & contrast stretch, etc. (acts like a raster dataset).
INSIDE Idaho & ISU GIS Center have ESRI license	INSIDE Idaho & ISU GIS Center have ESRI license
Will require multiple services for different band combinations (true color, false color)	may serve 4-band data (GeoTIFF)
faster response time due to cached snapshot	slower response time due to image manipulation capabilities

Miscellaneous Discussion

- IDWR has been testing INSIDE Idaho's map service with fused cache for DOQQs and image server map service for the 2004 NAIP
 - locally – works great – fast response time
 - regionally variable
 - northern Idaho – very slow
 - eastern Idaho – comparable to local
- Gail noted that through the Idaho Education Network grant (?), Qwest is upgrading infrastructure and improvements should be noticeable soon.
- Bruce suggested using traces from INSIDE Idaho to regional locations to help determine network bottlenecks.
- Bruce and Keith are working on draft budgets for their respective Idaho Regional Resource Center Proposals in anticipation for 2009 NAIP data delivery.

- ISU will only mirror map services provided by INSIDE Idaho. Download and extraction capabilities will be provided by INSIDE Idaho only.
- There was unanimous support to provide a break-out session during GIS week in October to provide instructions for using map services.
- IDWR would like to process the 2009 NAIP data into 100k tiles – and asked if compensation was still available.
 - Gail said there should be compensation funds available for processing data into 100k tiles – amount yet to be determined
- We spent some time looking at the CCMs in ArcMAP noting that there are 0 and 255 data values within the image. (I apologize to phone attendees for not having GoToMeeting set up – I will provide GoToMeeting next month.)

NEXT MEETING October 7th, 2009