

## Landsat Update

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### **Twitter, Flickr, and Facebook**

The USGS Landsat Project has started up a Twitter Account and a Flickr page for the ability to immediately post new images, new LDCM developments, or other timely information. As a direct result of our Twitter feed, Landsat 5 data turned up on Connecticut TV! In a very short time, social media has become a powerful outreach tool.

Our Twitter Feed is posted on the USGS Landsat Missions website (<http://landsat.usgs.gov>) or you can search for @USGSLandsat while logged into Twitter. Our Flickr account is: <http://www.flickr.com/usgslandsat>. We are also partnering with the Landsat Facebook page, which was initiated by the NASA Landsat team and already has 1,000 followers.

See you online!

### **WELD Project**

The WELD (Web-Enabled Landsat Data) Project creates data that are yearly, monthly, seasonal and weekly Landsat mosaic composites that have terrain, radiometric, and atmospheric corrections applied.

Current project requirements encapsulate Continental United States (CONUS) and Alaska using Landsat 7 Enhanced Thematic Mapper Plus (ETM+). WELD products provide consistent data that can be used to derive land cover. They are processed so no converting to reflectance or radiance values are needed. All products align precisely and are projected to the same coordinate system for easy temporal and geographical applications.

WELD is a collaboration that is led by South Dakota State University and supported by NASA and the U.S. Geological Survey. WELD is available as tiled HDF products downloadable from SDSU via FTP server. For more information please visit this website: <http://landsat.usgs.gov/WELD.php>

## Meetings - SilvaCarbon Workshop

The U. S. Geological Survey (USGS) and REDD (Reducing Emissions from Deforestation and Forest Degradation) hosted international scientists for the SilvaCarbon Workshop September 19-22, 2011. Scientists received training and timely satellite data for their areas of study.

The SilvaCarbon Workshops are designed to coordinate with project partners in distribution of products to organizations in need and to help address issues of deforestation and carbon reduction. Each workshop has participants sharing discourse on projects and accomplishments in their regions, accessing and downloading datasets pertinent to their studies, and meeting with leading scientists from USGS EROS. Two additional workshops are planned in 2012.

## Upcoming Meetings

CEOS SAR Calibration and Validation Workshop  
November 7-9, 2011  
Fairbanks, Alaska

William T. Pecora Memorial Remote Sensing Symposium – Pecora 18  
November 14-17, 2011  
Herndon, Virginia  
<http://pecora.asprs.org/>

AGU Fall Meeting  
December 5-9, 2011  
San Francisco, California, USA  
<http://sites.agu.org/fallmeeting/>

AAG Annual Meeting  
February 24-28, 2012  
New York, NY  
<http://www.aag.org/annualmeeting>

ASPRS Conference  
March 19-23, 2012  
Sacramento, California  
<http://www.asprs.org/Annual-Conferences/Sacramento-2012/>

## Tips and Tricks – GloVis Popout Viewer

Are you an avid GloVis user? If you miss the old pop-out viewer, check out the <http://glovis.usgs.gov/ImgViewerHelp.shtml#AdvancedUsers> page. This page is full of beneficial hints and tips for users, including the pop-out viewer. To start GloVis with a "pop-out" window rather than having the Browse Image Viewer embedded in the browser window, use `popout=TRUE`, such as <http://glovis.usgs.gov?popout=TRUE>. Other tips that can be found on this website include changing the default geographic location, or limiting the sensor collection.

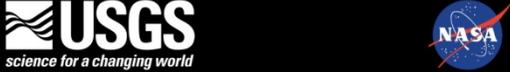
## Landsat Image of Interest – Elephant Butte Reservoir

Prolonged drought in the southwestern United States has affected many water bodies, such as Elephant Butte Reservoir along the Rio Grande River, north of Truth or Consequences, New Mexico. The hydroelectric reservoir has had declining water levels over the past 20 years, as indicated in these Landsat images.

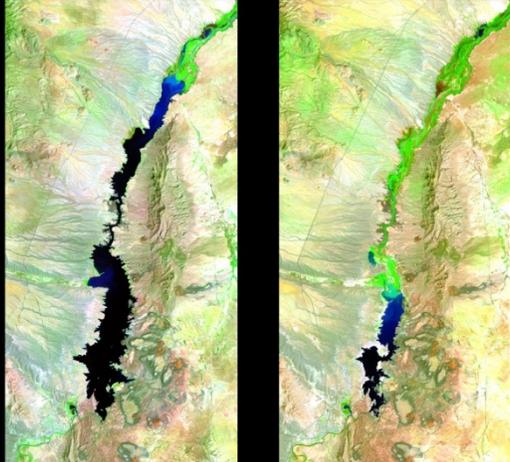
In 2009, the Bureau of Reclamation established a plan to implement conservation measures to restore water levels in the reservoir.

Landsat images are useful in monitoring water bodies for change over time and provide decision makers a visual effect of the declining water levels.

This and more images can be found at <http://landsat.usgs.gov/gallery.php>.



**USGS**  
science for a changing world



Landsat 5  
August 20, 1991

Landsat 5  
August 27, 2011

### Elephant Butte Reservoir



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U.S. Department of the Interior  
U.S. Geological Survey