

MnGeo State Government Geospatial Advisory Council Projects Report

September 21 - November 9, 2010

*To make these reports more concise, they now provide only **updates** for projects rather than repeating prior information.*

Field Notes Project:

Activities since September 2010 Report

- Completed acquisition of TIFF images for the Minnesota GLO Plats and shipped them to BLM for conversion into MrSID format.
- Completed negotiation and implement agreement with SAIC to provide modifications to the CSS software for indexing field notes, develop custom software to link the Minnesota original to the BLM duplicate GLO maps, provide software installation, train staff and provide on-going support. SAIC is expected to be on-site in Minnesota the first part of December.
- Completed Mn/DOT staff mobility agreements. Staff will begin work at MnGeo on November 15.
- Acquired and prepared computer hardware and third party software for CSS.
- Completed RFP process and awarded scanning bid to Perfect Image of Kirkland, Washington. Implemented contract with Perfect Image who will come on-site (MHS) and begin scanning at the end of the November.

Activities Scheduled for November and December

- Mn/DOT staff will begin their mobility assignments with MnGeo.
- Review the set of field note volumes within the Minnesota History Society (MHS) archives and develop a comprehensive inventory.
- Perfect Image, the scanning vendor, will complete a test at their facilities of the scanning processes and generation of output. MnGeo, working with BLM and SAIC, will review the scanned images and metadata.
- SAIC will develop the Minnesota version of CSS and custom match utility.
- Perfect Image will begin on-site at MHS scanning of field note volumes.
- Final scanning and indexing processes will be synchronized and implemented.
- MnGeo staff will be trained on the use of CSS software and begin indexing process.

ISSUES:

- The project is 4 to 6 weeks behind the original project plan. Adjustments will be made in December and January to compensate for the delay.
- There may be more than the estimated 250,000 pages to be scanned and indexed. The detailed volume by volume review and inventory will identify a precise page count.

2010 FSA Orthoimagery:

The state of Minnesota was flown by the Farm Service Agency in summer and fall 2010 as part of their National Agriculture Imagery Program. FSA's St. Paul office has just begun to deliver the natural color county compressed mosaics to MnGeo. The imagery received so far will be available shortly on MnGeo's WMS service and FTP download site. Please check the NAIP2010 webpage for updates: <http://www.mngeo.state.mn.us/chouse/airphoto/naip10.html>

State LiDAR Project Update

The State Elevation Mapping project has been quite active over the past three months.

This week (Nov 8), acquisition began on the portion of the Minnesota River Basin in South Dakota – work that is funded entirely from the USGS through a Cooperative Grant to the DNR for \$265,000. Sanborn Inc, a LiDAR Vendor on the State Master Contract, was awarded the work. Mn/DOT is coordinating the collection of validation points through a private surveyor at a cost of \$24,000.

Acquisition was also started to complete the portion of the Minnesota River Basin that was not acquired during the spring acquisition season (see map). Pilot project areas for the MN River Basin collect have been validated and the first batch of data was delivered to the DNR the first week in November. This included Faribault and Martin County. Douglas and Pope counties are next in line.

On October 25, a work order request for bids was issued to vendors to for the Northeast project area composed of Carlton, Cook, Lake, and St. Louis counties and the portion of Koochiching County that is in Voyageurs National Park (VNP). A total of 12,520 square miles will be contracted. An award is expected to be made by November 19.

Staff is currently working on a Cooperative Grant Agreement with the Natural Resources Conservation Service (NRCS). The NRCS is completing soil surveys for the Arrowhead region and has received \$71,000 from the VNP to support the LiDAR project. NRCS is hoping to be able to contribute an additional \$100,000 to help support the project.

In December a work order will be released to acquire LiDAR data in the Metro region. This includes the counties of Anoka, Dakota, Goodhue, Hennepin, Isanti, Meeker, Ramsey, Scott, Sherburne and Washington – a total of just over 5,000 square miles. Carver County has expressed interest in being included in the acquisition and DNR and Washington County staff are working towards a solution.

These two projects (Arrowhead and Metro) will exhaust the funds that were allocated by the Legislature. This leaves more than 14,000 square miles of the state that needs to be collected at an estimated \$2.2 million. DNR is preparing a request for funding from the Clean Water Legacy Fund to complete the collect.

