

FRAMEWORK TEAM STATUS REPORTS

Second Quarter 2006

FIT Webpage:

www.oregon.gov/DAS/IRMD/GEO/fit/FIT.shtml

Cadastral – Brett Juul, 503-945-8336

The Cadastral Data Exchange Standard has been updated based on ORMAP experience as horizontal integrator. The updated standard will be presented this afternoon.

The PLSS Stewardship workgroup has developed an approach for the improvement and maintenance of the PLSS Framework. County Surveyors have been approached to join in the effort and to “sign up” for stewardship extents. Eventually all townships in Oregon will have a PLSS steward responsible for publishing spatial coordinates within their extent.

Climate – George Taylor, 541-737-5705

New monthly normals (1971-2000 averages) for maximum temperature, minimum temperature, and precipitation for the contiguous 48 states have just been completed and are available free of charge on our server (www.ocs.oregonstate.edu/prism). These are ASCII grids at 30 arc-second (about 800 m.) resolution.

We have been negotiating for sponsorship of mapping precipitation intensity (for example, 100-year 24-hour precipitation) for Oregon. The main sponsors would be Oregon Department of Transportation and Oregon Water Resources Department.

Elevation – Emmor Nile, 503-945-7418

A LiDAR consortium is forming to acquire LiDAR in critical areas of Oregon.

Cost estimates are being gathered to complete the set of 10m DEMs.

Geodetic Control – Ken Bays, 503-986-3543

The Real-Time GPS Network is currently being put through rigorous testing and will soon be launched. Check out www.theorgn.net for more details. This represents a milestone achievement for Oregon’s spatial data community! Thanks go to Ranvir Singh and Ken Bays at ODOT.

Geoscience – Paul Staub, 971-673-1548

Geology

Year 3 polygon data is done in draft form. (See status graphic at www.oregon.gov/DAS/IRMD/GEO/fit/geoscience/GeoFrame.shtml.)

A preliminary website for the geology data is almost ready to go online. It presents the first two years' data in 100k DRG and/or 30m DEM hillshade bases. We are still tweaking the site, but if you'd like to view/comment on it, here is the link: <http://geospatial.research.pdx.edu/~bjpd/orgeol6/>.

Year 4 map selection in process; scanning will be done in July 2006. Geologic Map Advisory Committee meets in August to choose Year 5 project area.

Geoscience workgroup meeting planned for later in summer to review proposed Geoscience/Geology data standard modifications and critique geology data website; discuss geomorphology and soils themes.

Soils

No report. An Oregon soils mapping update to be provided at next Geoscience Workgroup meeting.

Hydrography – Bob Harmon, 503-986-0866

The 1:24,000-scale (and better) hydrography dataset was completed for Oregon last December. The Pacific Northwest Hydrography Framework group (Oregon, Washington, and the federal agencies in the region) have been working for the last several months on a migration plan from the regional data model to the NHD (National Hydrography Dataset). Actual production work will begin shortly and is expected to take a full year.

Administrative Boundaries – Diana Walker, 503-986-4788

The Admin-FIT has been working on a draft umbrella standard, which will be presented this afternoon. They are also working on approaches to breaking the elements into logical chunks for data development purposes.

The next chunk of work will focus on organization and implementation.

Orthoimagery – Randy Sounhein, 503-378-3805

The final draft of the Orthoimagery Implementation Plan is now available for review and comment. It will be posted on the GEO website off the FIT webpage.

The Institute for Natural Resources (INR) submitted a completed report for the Phase 1 Scoping for the procurement of an Orthoimagery Portal Application. It is a review of existing software and how each meshes with Oregon's needs. An RFP will issue on July 14 to procure the portal software. The successful proposal will be awarded September 8, 2006.

The half-meter resolution, natural color orthoimagery will be completed in mid-August and be delivered immediately to Google and Virtual Earth. Both services will make it available for viewing promptly thereafter. Orthoimagery will be available through the portal at the end of the year.

Transportation – Chad Brady, 503-986-3164

Currently, OR-Trans has 90 percent of the counties' line work loaded. We are waiting to receive the remaining 10 percent from a contractor and will upload it promptly thereafter. We have 11 of the 12 US Forest Service datasets loaded. State highway data is loaded. Our goal is to have all of the available road authority datasets loaded into the OR-Trans database by June 30, 2006. We are on track to meet this goal. The next goal will be working through a QC process to resolve conflicts in line work or attribution. We will also focus on improving all of the addressing in cooperation with the Oregon Emergency Management Division, through the e911 program. Additionally we will continue to improve the county road number/milepoint attributions to make it easier to use existing tabular county road data.

In addition to centerlines, address ranges have been developed for e911. Data sharing issues are being identified and addressed in a comprehensive approach. An OR-Trans meeting is being held during the lunch break.

Land Use / Land Cover – Eric Brandt, 541-682-4338
Jimmy Kagan, 503-731-3070 x111

LU/LC has been evolving into two separate but overlapping aspects. Jimmy Kagan is leading the Land Cover effort, which will include land ownership/stewardship, while Eric Brandt will lead the Land Use portion, which includes elements from the Administrative Boundaries theme, such as zoning, UGB, and urban plan boundaries. Eventually, Brady Callahan will assume overall leadership.

Some elements of this theme have been moved in and out of LU/LC. Despite that, the approach will be to tackle all the land-use related elements through the leadership of this theme.

Bioscience – Jimmy Kagan, 503-731-3070 x111

INR / USFS Research are developing a statewide vegetation map using multi-temporal TM imagery, which will be completed by December 2007. ODF is working with the INR / USFS team on this project and expanding it to provide updated mapping and modeling for species distributions.

ODFW is exploring working with INR to develop statewide range maps showing species distributions and habitats for all vertebrate species in Oregon, in an online form, which would allow for online updating. The project is tentatively to be completed by December 2007.

The wetlands mapping project is moving forward. A draft standard will be available for the June 2006 forum. The strategy for putting together the statewide cover will also be available.

The fish barriers standard was put together by Doug Terra before he left OWEB. An additional group including OWEB, ODFW (Cedric Cooney) staff, INR staff (Renee Davis-Born), OSU library staff (Janine Salwasser) and Benton County folks (Chris Stebbens) are putting together a regional fish passage database and portal as a statewide pilot.

Preparedness – Gillien Duvall, 503-378-2911 x22250

This new FIT is still getting organized and doesn't have much to report. One of the initial tasks is to identify the elements that belong in the theme. There's still time to get in on the ground floor, so please sign up if you're interested.

Hazards – Andre LeDuc, 541-346-5833

The Flood Map Modernization Program is figuring out the best way to assist local governments in meeting FEMA's digital flood insurance rate map (DFIRM) program goals. A position with rotation possibilities is being advertised to assist local governments in using their data to develop floodplain datasets and to guide the development of a floodplain data standard for Oregon. Contact Mark Darienzo, 503-373-0050 x269, for more details.

ODF is building a fire risk web portal. They will display a series of statewide datasets developed through their fire-risk assessment methodology. Some of the datasets show risk, others include information on the wildland/urban interface.

Utilities – Emmor Nile, 503-945-7418

No activity. If you would like to see something happen with this theme, contact Emmor.