

## Minutes of Geoscience Framework Group - meeting of June 28, 2002

### Attendees:

Andrew Rorick, USFS	Teresa Gaffney, Tillamook County
Ron Geitgey, DOGAMI	Nancy Tubbs, USGS
Doug Terra, OWEB	Cy Smith, DAS
Sharon Clarke, OSU - Forest Science	Ian Reid, USDA – NRCS
Paul Pedone, USDA – NRCS	Courtney Cloyd, USFS
Daryl Gusey, USFS	Susan Nelson, BLM
Jim Meacham, UO	Fred Gullixson, ODOT – Geo/Hydro
Fred Lissner, OWRD	Paul Staub, DOGAMI

Cy Smith briefly described the FGDC Framework Themes concept, including a discussion on the Oregon Framework Theme list and how it came about. Cy fielded questions from the group regarding the Oregon list, the membership of the various Framework Implementation Teams (FITs), and the status of other FITs. Cy concluded by charging this Geoscience group with two tasks for priority Geoscience themes:

- 1.) Developing Implementation Plans
- 2.) Developing Standards

The group proceeded to discuss details of the Geoscience Theme list:

- Courtney suggested grouping the hazard themes under a geohazard category, and the group agreed. These are derivative themes from base geoscience categories, and we will likely add more hazard themes.
- Base map themes and GNIS should be put in a Base Theme group, as suggested by Nancy and Jim.
- Geomorphology is a needed theme but with not much information assembled presently. It was expressed that this actually is an entire group of themes in one. Andrew is doing some work on this for the USFS.
- Soils – Ian distributed an index of available Soils map data for Oregon [http://ice.or.nrcs.usda.gov/website/or\\_pubstat/viewer.htm](http://ice.or.nrcs.usda.gov/website/or_pubstat/viewer.htm). Ian stated that  $\frac{3}{4}$  of Oregon is available in 'certified digital format'. Cy would like to have OGDC assist in distributing soils data for Oregon. Doug commented on a need for soils data statewide, versus data that is county-specific.
- Geology – the 500k digital geology of Oregon is all that is available statewide and has problems. Users of this theme need to be aware of its limitations.
- Ron stated the importance of Mineral ownership and Mineral occurrences. Ownership is being handled by another FIT. A Mineral occurrences database is available from DOGAMI but is in need of updating.

- Overall, Geology, Geomorphology, and Soils were felt to be the top priority themes for the Geoscience FIT effort.
- Jim Meacham reported that UO InfoGraphics Lab will work with DLCD to produce a Flood Hazard Map Modernization State Implementation Plan. The Lab will research and develop a methodology for DLCD to address modernizing Flood Insurance Rate Maps that is consistent with FEMA's guidelines and specifications for DFIRM flood hazard mapping. The Geoscience Framework group offered to serve in an advisory role.

After much discussion, consensus was reached to revise the Geoscience Theme listing. The revision includes creating a subgroup of hazard themes within Geoscience and moving the base data themes to a separate category. Omissions from the Themes list were sought from the group, these are indicated below as 'new.'

**Geoscience Framework Themes:**

Geomorphology

Geology

Soils

Caves

New - Historic coastal shorelines and related erosional lines

New - Paleo-fossil resources – possibility to include in geology theme?

New - Mineral occurrences

**Geoscience Hazard subgroup:**

Earthquake hazard

Faults

Debris flow hazard

Tsunami zone

Flood zone

New - Landslide point data

A suggestion was made to create a Base Data Theme list. This should include GNIS, DRGs, 7.5' quads, 15' quads, 100k quads, 250k quads, and 1-degree tiles

**Further revisions:**

New - Littoral cells – coastal zonation scheme that may be better handled with bathymetry?

-Coordinate systems - move to Geodetic Control Theme list.

-Satellite scenes - move to Aerial Imagery Theme list

Cy directed the discussion to the task of establishing theme standards. Within two years, the Geoscience group will establish standards for the priority themes. We will look at what other states and federal entities have done with applicable standards, then prepare and adopt what is appropriate for Oregon. Standards proposed by this group will need extensive review and usability testing.

### Next Meeting

The Utah Framework Implementation Team Plan was discussed and Cy will send the Internet link to the group. At the next Geoscience meeting, there will be presentations on the current status of the top three themes: Geomorphology, Geology, and Soils. Following this, the group will prioritize work on themes and discuss what is required to complete the priority themes as and establish them as Framework data.

**Next meeting is August 7, 2002 from 2-4 pm**

**Portland State Office Building Room 418**

**800 NE Oregon Street**

**Portland, OR**

(metered parking on west side of building and surrounding streets)