

## Minutes of Geoscience Framework Group – meeting of August 7, 2002

### Attendees:

Ken Kato, UO

Jim Meacham, UO

Daryl Gusey, USFS

Courtney Cloyd, USFS

Sharon Clarke, OSU

Sheri Schneider, NRCS

Duane Lammers, USFS

Fred Lissner, OWRD

Cy Smith, OGDC DAS

Milt Hill, ODOT

Ron Geitgey, DOGAMI

Teri Gaffney, Tillamook County

Susan Nelson, BLM

Paul Staub, DOGAMI

### **FEMA flood hazard map modernization**

Ken Kato and Jim Meacham presented a draft plan for the FEMA flood plain map modernization program for Oregon. The effort will move the flood hazard linework with base data into GIS format. Ken reported there is increased funding possible for the national, and thus, each state effort. The Oregon Department of Land Conservation and Development is the lead agency that UO Infographics Lab is working for on the update effort. The draft plan for the Oregon update is available for viewing on the web:

<http://mtjune.uoregon.edu/website/floodmaps/August1draftplan.pdf>

### **Status reports on priority Geoscience themes:**

#### GEOLOGY:

Ron Geitgey provided information on the status of geologic mapping in Oregon. He described the National Geologic Map Database project, to which he's submitted reference information on all DOGAMI maps. The link to a website providing search tools to access what geologic maps are available for Oregon is:

[http://ngmdb.usgs.gov/ngmdb/ngm\\_catalog.ora.html](http://ngmdb.usgs.gov/ngmdb/ngm_catalog.ora.html).

Geologic mapping efforts in Oregon have always been project driven, resulting in incomplete coverage for the state. The National Geologic Mapping Act provides funding for states to do geologic mapping through its STATEMAP component. The STATEMAP process mandates a State Geologic Mapping Advisory Committee (SGMAC) to set priorities for STATEMAP proposals. It was noted that this STATEMAP funding mechanism, requiring matching state funds, could mesh well with the OGIC Geoscience Framework Theme effort. Ron proceeded to describe different approaches to statewide geologic map information. The state 1:500000 geologic map data set is the only statewide coverage available. This data has problems and there was discussion on 'fixing' it. Interest in 1:100000 statewide geologic data set was expressed and discussion followed. A 'seamed' concept was floated as a near-term product, in which the best existing geologic map information would be converted to digital format and combined. Pros and cons of this were discussed. This process would leave 'holes' in the data set where no mapping has been done, or the existing mapping is outdated. The expense of new geologic mapping was described and reference made to the Utah Framework Plan and its figures for geologic data completion ([http://agrc.its.state.ut.us/l\\_team\\_final.pdf](http://agrc.its.state.ut.us/l_team_final.pdf)). Cy explained the Utah approach, and suggested for Oregon a 5-year plan with near-term interim product availability.

## GEOMORPHOLOGY

Courtney Cloyd filled in for Andrew Rorick to describe the conceptual stage of this theme. Photos with large scale mapping of geomorphic classes were presented. A USFS draft geomorphic terms classification was shown that includes geomorphic level, class name and class code. The USFS needs the geomorphology theme as part of its ecoregion mapping process. The NRCS also has a geomorphology classification system.

## SOILS

Sherie Schneider provided the status of soil surveys in Oregon. A handout was provided on SSURGO data, which consists of the official certified NRCS map data, attribute data, and metadata for a survey area. The separate tasks leading to final SSURGO data include mapping, compiling, digitizing, certification of soils data digital line graphs, and final archiving. SSURGO data for Oregon is generally at 1:24000. NRCS maps non-federal land, with federal agencies responsible for their lands. STATSGO is an older data set of smaller scale information generally from 1:250000 scale. Sheri suggested users acquire the Soil Data Viewer from: <http://www.itc.nrcs.usda.gov/soildataviewer/>. The website for Oregon soils data is [http://www.or.nrcs.usda.gov/soil/oregon/or\\_home.htm](http://www.or.nrcs.usda.gov/soil/oregon/or_home.htm)

Next meeting scheduled for October 2, 2-4 pm, Room 918, Portland State Office Building.