

Monitoring Landscape Change Workgroup
March 16, 2000
9:00-3:00
UC Berkeley

Agenda and Notes

Attendance. The workgroup meeting was attended by: Ed Almanza (San Diego MSCP), Heidi Ballard (ESPM Graduate Student), Mike DeLasaux (UC Coop. Ext.), Tim Eisler (Ducks Unlimited), Lee Fitzhugh (UC Coop. Ext.), Melvin George (UC Coop. Ext.), Peng Gong (UC Berkeley), Marc Horney (UC Coop. Ext.), Maggi Kelly (UC Coop. Ext.), Adina Merenlender (UC Coop. Ext.), Gary Nakamura (UC Coop. Ext.), Stuart Pettygrove (UC Coop. Ext.), Ken Tate (UC Coop. Ext.) Bill Tietje (UC Coop. Ext.), Matt Wacker (ESPM Graduate Student), Linda Vance (UC Coop. Ext.), Minghua Zhang (UC Davis), Davis Lile (UC Coop. Ext.), Bing Xu (ESPM Graduate Student). Complete list of attending members with contact information.

Workgroup purpose. The workgroup was established to provide: (1) Communication and networking opportunities among DANR members and related workgroups interested in using or currently using GIS/Remote sensing techniques in natural resource and agriculture management; (2) In-service training for DANR members in methods for monitoring and analyzing landscape change in the form of annual workshops; (3) Collective and multi-disciplinary research opportunities; and (4) Extension and outreach activities for DANR members and outreach advisors. This meeting was the inaugural event to discuss workgroup strategy and agenda.

Presentations. We first had discussion of selected monitoring projects presented by workgroup members. These included:

- Maggi Kelly, Coop. Ext. UC Berkeley - Monitoring elevated mortality of oaks in Marin County.
- Mark Horney, Coop. Ext. UC Davis - IKONOS mapping of invasive species.
- Ed Almanza, San Diego MSCP - Habitat management using geospatial technologies.
- Lee Fitzhugh, CE Wildlife Management Specialist, UC Davis - Monitoring needs in the California Wildlife Habitat Relationships Program.
- Tim Eisler, Ducks Unlimited, Central Valley - GIS and Monitoring with Ducks Unlimited.

Business Meeting. The meeting was divided into discussions relating to (1) Research, (2) Education / Outreach / Training, and (3) Planning and Coordination. We also decided of premier importance is a needs assessment.

Workgroup Needs Assessment.

It was determined that the most important task for the new workgroup is to develop a needs assessment. The needs assessment will be developed through a sequence involving modifying a statistical survey used by Adina Merenlender; presentation will also be held in conjunction with other workgroup meetings, and a presentation will be given at the Lake Tahoe NRCC in May.

Research.

A discussion of potential workgroup activities. An email was sent out to workgroup members to solicit research activities that will be submitted to DANR in the 00/01 Funds. These will be prioritized, and submitted to DANR in April.

Education, Outreach and Training.

The workgroup EOT needs will be driven by information gleaned from our needs assessment, but we have decided on a process to begin outreach and training. Our outreach objectives will be met by developing a workgroup "Monitoring Road Show." The Road Show will involve regional presentations of landscape-scale monitoring strategies and examples by workgroup members. This effort will dovetail with the needs assessment, and the training effort described below.

Workgroup training will be developed in two levels. The first is a basic level, we call this the "GIS Literacy level" which covers basic knowledge of GIS/R.S./GPS techniques, as they relate to monitoring at the landscape-scale. The second level is a more concentrated and focused approach in which we develop tailored modules based on information and needs determined by the needs assessment. Training opportunities will continue to be posted to the workgroup website.

Planning/Coordination.

We agreed that planning and coordination with other workgroups and agencies is an important priority for the workgroup. Members agreed to send to the chair names and contact information of crucial contacts. These will be put on the workgroup website.

Tour of CAMFER. A tour of CAMFER facility with presentation of CAMFER projects. Peng Gong described CAMFER's Forest Ecometrics projects. James Scarborough presented CAMFER's Wildland Fire Emissions Study. Xueliang Mei demonstrated orthophoto processing for forest inventories, Jake Schweitzer demonstrated the Monitoring of Oak decline database.