



UC Science Team updates for SNAMP 2015 Second Quarter (Q2)
Main project findings and work accomplished since Q1 update on April 9, 2015

~July 13, 2015 ~

Project Integration and Management (PIM) Team

Integration

In addition to the financial, administrative, and logistical support that PIM provides to the UCST, we also are responsible for guiding the final integrated assessment and the entire final report into being. During the 2nd quarter of 2015, we coordinated UC science team production of the final products.

We also continued to revise a manuscript based on the PIM talk at the 2014 ESA Annual meeting.

UCST Coordination

PIM continues to plan and budget for successful project completion by summer 2015.

- Administration: maintaining SNAMP publications list, maintaining UCST archive.
- Logistics: coordinating UCST conference calls and other interteam communication.
- Coordinated writing and editing of final report chapters 1-5.
- Assisting UC Office of the President with peer-review process for individual team chapters.
- Coordinating with PPT the release of report chapters for public review.

Communication with MOU Partners (MOUP) and stakeholders

- Communicating with MOUP and stakeholders regarding UCST progress towards project completion and report review process.
- Prepared 2015 1st quarter updates for MOUP.
- Participated in MOUP conference call in May.
- With PPT, coordinated and participated in the final SNAMP public meeting, May 27, 2015.

California Spotted Owl Team

Q2 2015 Activities:

- We completed the Owl team chapter for the SNAMP final report, which was released for peer-review and MOUP and public review in May.
- We prepared for and participated in the SNAMP public meeting on May 27.
- We received the peer reviews of the Owl team chapter in June and are working on addressing the peer reviews.
- We contributed to the integrated assessment of the effects of fire and SPLATs on both wildlife species and helped edit Chapters 1-5 of the report.

Fire and Forest Ecosystem Health (FFEH) Team

2Q 2015 Activities

- The FFEH team chapter for the SNAMP final report was completed and released for peer-review and MOUP and public review in June. We are waiting for peer reviews of our team chapter and for comments from the MOU Partners and the public.
- We contributed to the integrated assessment and helped edit Chapters 1-5 of the report.
- FFEH prepared for and participated in the final SNAMP public meeting on May 27.

Spatial Team

Q2 2015

- The Spatial Team completed its chapter for the SNAMP final report and submitted it for release for peer-review and MOUP and public review in May.
- The Spatial Team received one peer review of its team chapter in June and the second in July and is working on addressing the peer reviews.
- We contributed to the integrated assessment and helped edit Chapters 1-5 of the report.
- We prepared for and participated in the final SNAMP public meeting on May 27.

Participation Team (PPT)

2nd Quarter Update, 2015

All

- Planned for, facilitated, and participated in the SNAMP final meeting, May 27, 2015.
- PPT team chapter for the SNAMP final report released for peer-review and MOUP and public review in May.
- Wrote the PPT integration contributions to chapters 1-5 and helped edit the chapters.
- Peer reviews for PPT team chapter received in June – revisions underway.

Outreach

We continue to give SNAMP presentations to multiple stakeholder groups and are scheduling final outreach presentations through October 2015.

We wrote two Science Briefs for SNAMP articles:

- [SNAMP PUB #37: Lidar with multi-temporal MODIS provides a means to upscale predictions of forest biomass.](#)
- [SNAMP PUB #38: Characterizing the networks of digital information that support collaborative adaptive forest management in Sierra Nevada forests.](#)
- Also developing a Science Brief for fisher demography paper by Rick Sweitzer.

We are working on newsletters to share PPT, Owl, Fisher, FFEH, Water, and Spatial results.

Special projects:

- Involved in the Wildlife Vehicle Collision group citizen science project to assess fisher/roadkill on Highway 41 from Oakhurst to into Yosemite Park.
- Maintaining a fisher photo and information display at the Oakhurst library.
- Continuing to sell/promote our project with our fisher calendar.
- Reworking the facilitation/collaboration training workbook into a condensed format that focuses on ‘How to have a successful collaborative process’ and less on facilitation for spring 2015 workshops. And we are maintaining the UC Collaborative Tools site for CAM trainings – on-going.
- Led a Collaboration/Facilitation workshop at the International Association of Wildland Fire Conference, Boise, Idaho.

Assessment

- Archiving SNAMP materials – ongoing.
- Preparing papers from final report chapter analysis:
 - An updated and in-depth forest health analysis
 - A study of the third party model
 - A case study of learning in adaptive management.
- Lei, S., A. Iles, and M. Kelly. Characterizing the networks of digital information that support collaborative adaptive forest management in Sierra Nevada forests. *Environmental Management* 56(1): 94-109.

Web

- Maintained and updated website regularly.
- Maintained server health and backed up data.
- Updated SNAMP Facebook page regularly.
- Made recordings of May 27 SNAMP final meeting accessible on the website at: <http://snamp.cnr.berkeley.edu/events/may-27-2015-snamp-final-meeting>.
- Hosting public and stakeholder feedback survey webpage to collect responses to the final report: <http://ucanr.edu/survey/survey.cfm?surveynumber=15355>.

Fisher Team

Q2 2015 fisher update

- Fieldwork on the UFSF Sugar Pine project continued, collecting post treatment use data on the SNAMP Sugar Pine project area.
- We completed the Fisher team chapter for the SNAMP final report, which was released for peer-review and MOUP and public review in May.
- We prepared for and participated in the SNAMP public meeting on May 27.
- We received one peer review in June and the second in July and are working on addressing the peer reviews.
- We contributed to the integrated assessment and helped edit Chapters 1-5 of the final report.

Water Team

2nd Quarter Updates (2015)

The Water team prepared for and participated in the SNAMP public meeting on May 27.

Hydrologic Modeling/Analysis and Report

- The modeling for Last Chance and Sugar Pine is completed. Analysis and writing is underway for the Water team chapter, which we expect to release for peer-review and MOUP and public review shortly.
- The Water team completed its contribution to the integrated assessment and helped edit Chapters 1-5 of the final report.

Meta Analysis

- The RHESSys model has also been carefully calibrated on an annual basis to closely match observed snowpack and water yield in the Kings River Experimental Watershed.

Simulated vegetation reductions are currently being modeled to investigate impacts of reduced vegetation on water yield and will be directly comparable to SNAMP modeling results.

Water Quality Analysis

- A manuscript on bedload movement from scour pan data is nearing completion. Results show stream beds within the catchments act as temporary storage but tend to be stable over the long term. An annual pattern was observed in which the channel bed built-up during fall and early winter, then gradually scoured back to baseline levels during peak flow and summer drawdown of the annual hydrograph. This annual pattern is thought to be associated with seasonal variations in sediment availability and transport. A conceptual model is proposed that seasonally connects sediment production areas (channel banks) with sediment transport areas (center of channel). This model fits with previous turbidity results showing a seasonal accumulation and depletion at the channel margins.
- A manuscript on water chemistry and its implications to precipitation routing/flow pathways is also in progress.