

Welcome CCRC!

Swanton Pacific Ranch



CAL POLY
AGRICULTURE

A Cal Poly living and learning laboratory

CAL POLY
CORPORATION
SAN LUIS OBISPO

The Al Smith Vision

Al Smith: see the Ranch remain
“...a living & learning environment
for students ...forever”





Strategic Vision

Recognized as the country's premier living laboratory supporting cross-disciplinary education and research, and demonstrating sustainable forest, livestock, and crop production that protects if not enhances ecosystem function & biodiversity.



What are we all about?

Operations

Forestry / Livestock / Crops

Education

Internships / Field Trips / Short Courses / Seminars

Research and Demonstration

Hydrologic / Forestry / Botanical / Wildlife

Strategic Initiatives

Operations

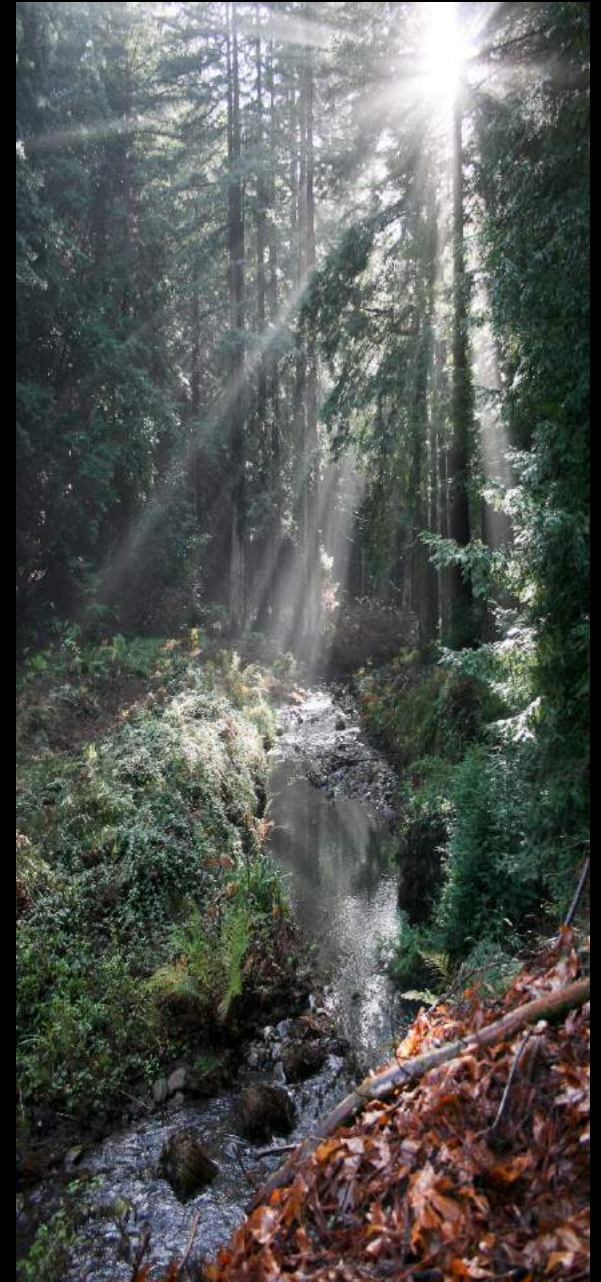
- **Working lands for resource production**
- **Support E,R & D**

Education

- **Expand internship program**
- **Increase intensive short courses**
- **Undergrad and grad research & demo**
- **Seminars and workshops**

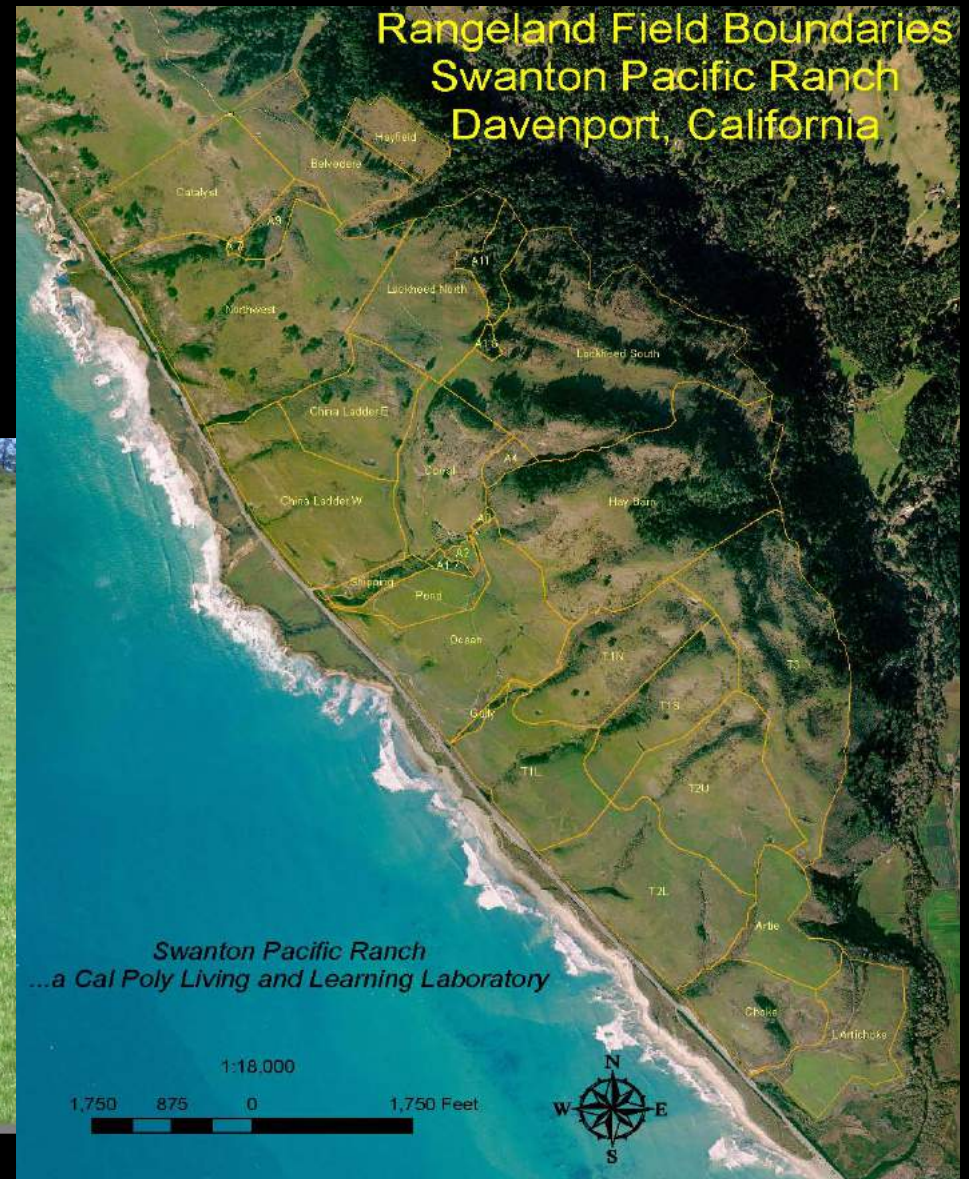
Research & Demonstration

- **Pursue collaborative research**
- **Expand demonstrations**



Livestock management

- Stocker operation
- Cow/Calf operation
- Natural beef
- Enterprise Projects



Collaborative Research & Demonstration

Fisheries



Restoration



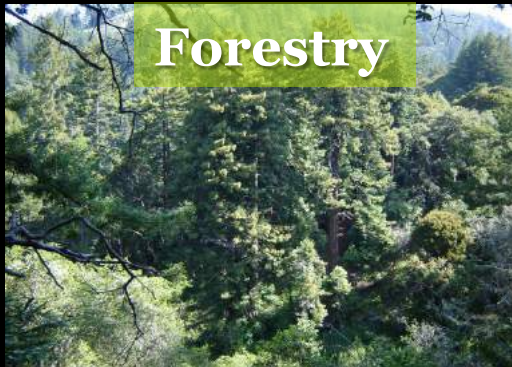
Wildfire



Botanical



Forestry



Rangeland



Wildlife



Landscape



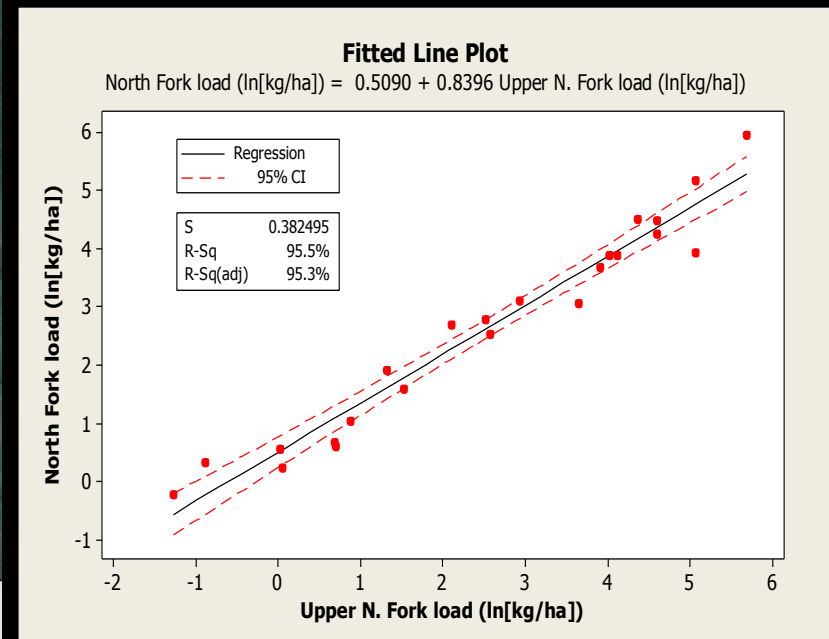
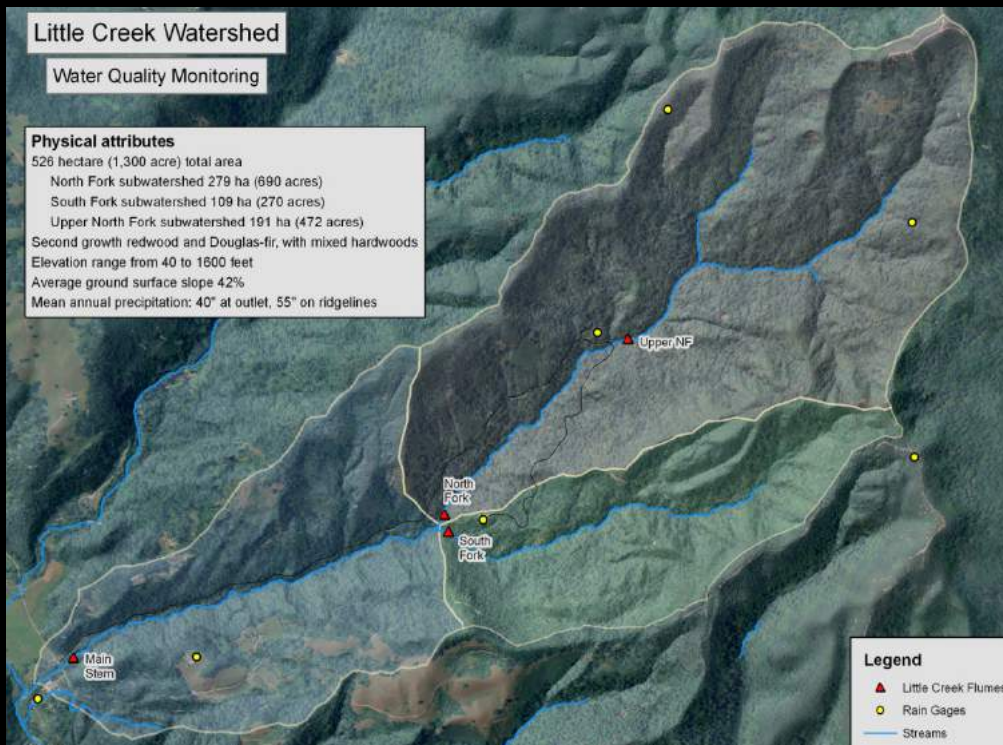
Water Quality



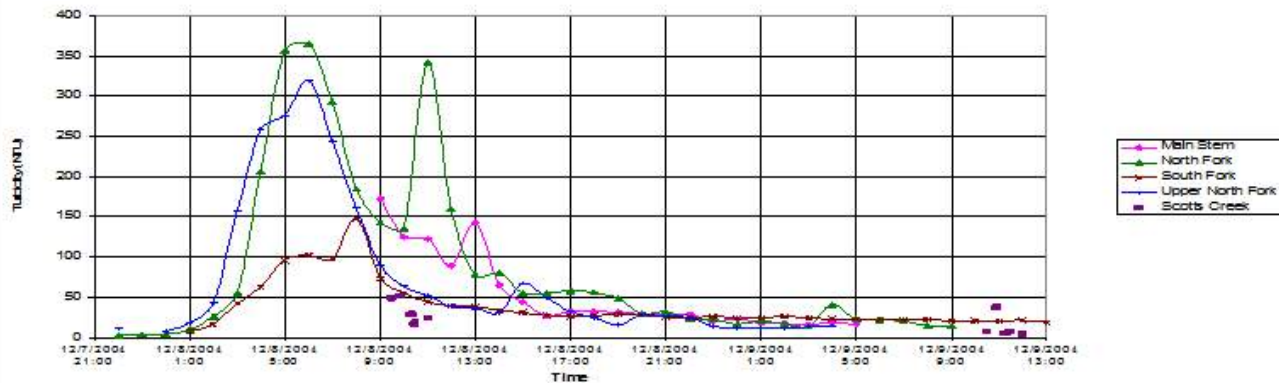
Little Creek Suspended Sediment Watershed Study



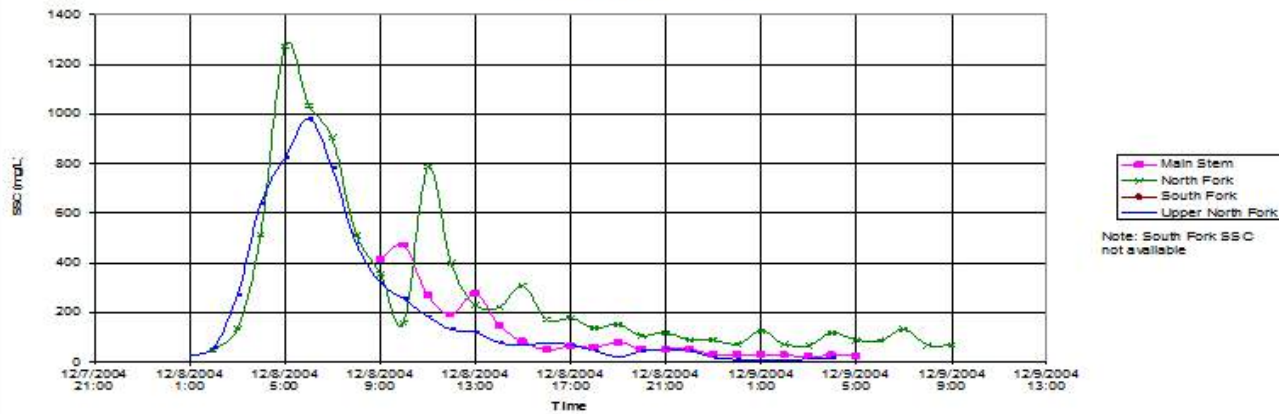
Project Goal:
Evaluate the effectiveness of best management practices for timber harvesting activities in maintaining existing water quality and channel conditions



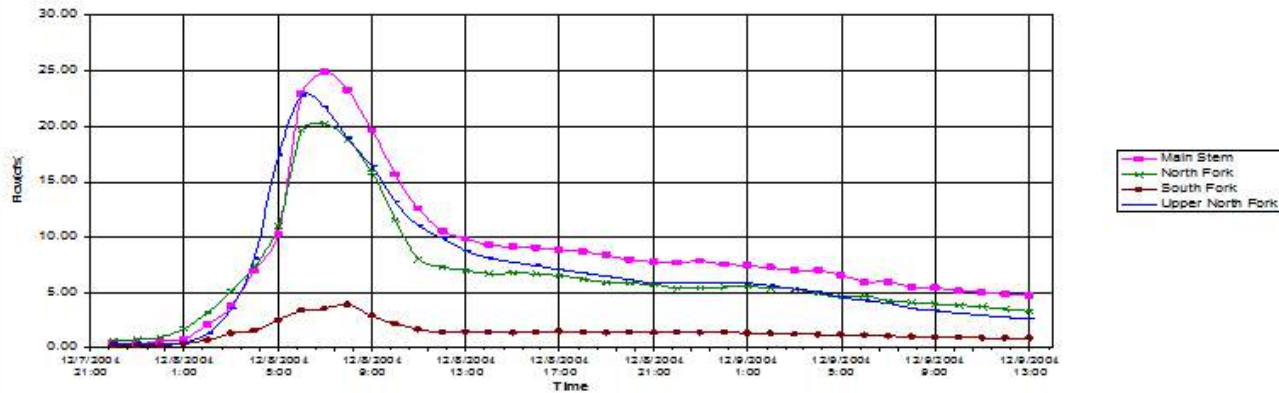
Little Creek and Scotts Creek Turbidity
December 8-9, 2004 Event



Little Creek Suspended Sediment Concentration
December 8-9, 2004 Event

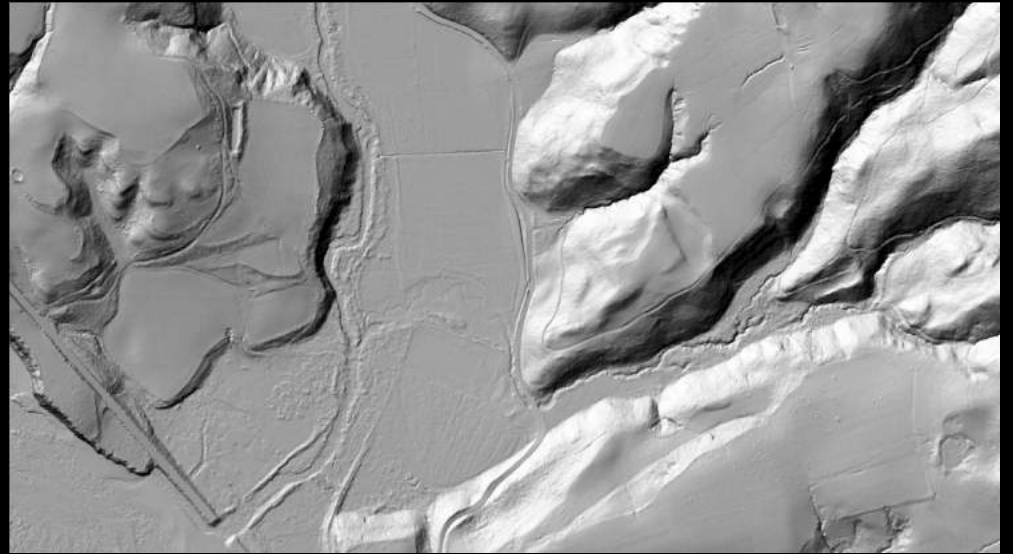
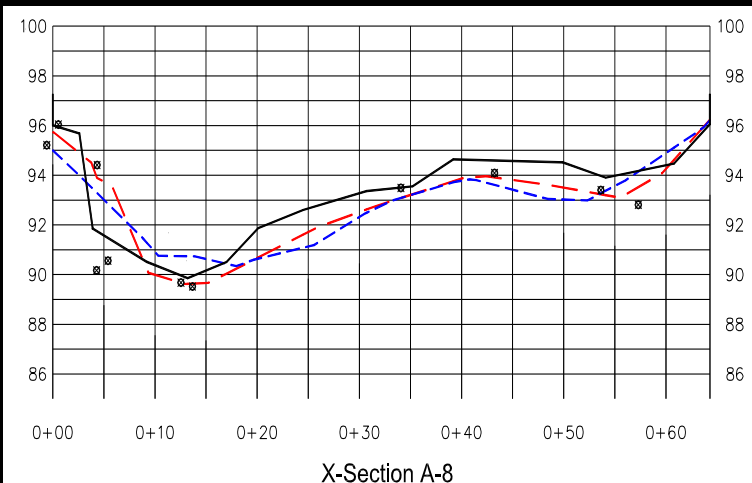
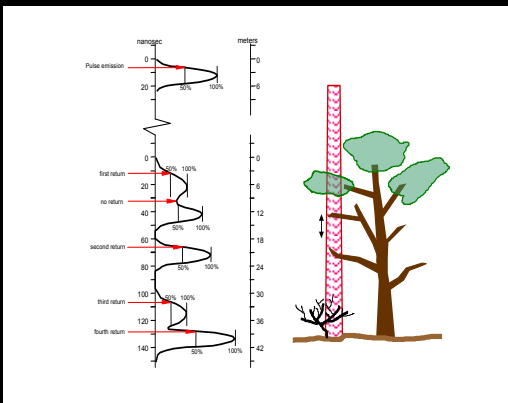
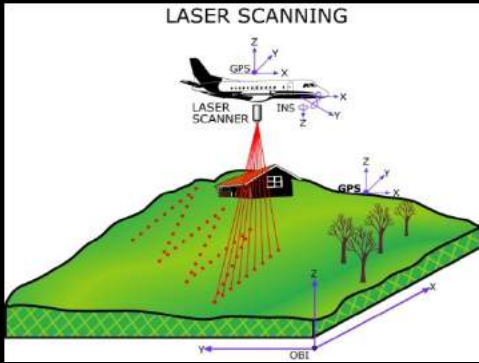


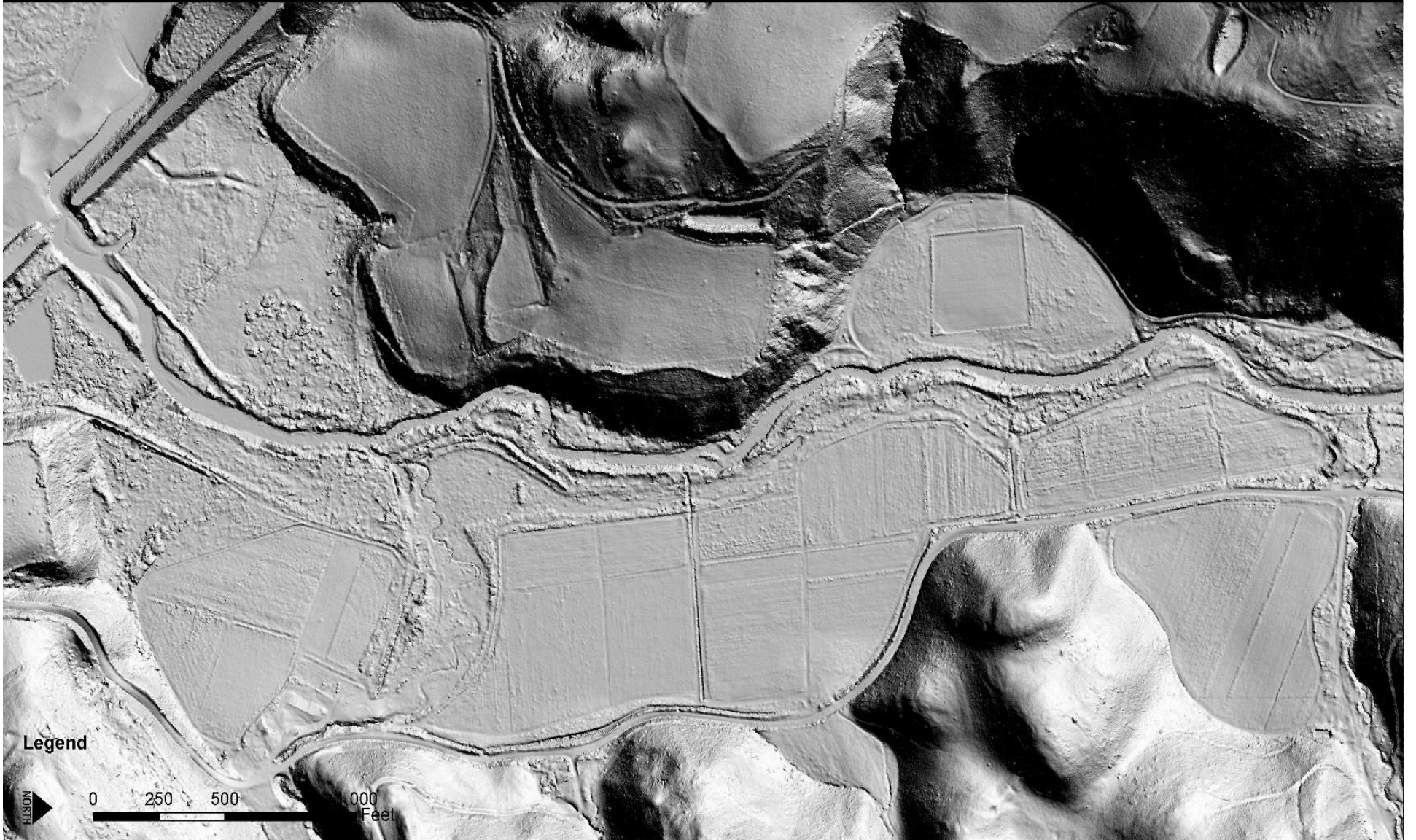
Little Creek Flow
December 8-9, 2004 Event



Little Creek LIDAR Study

Compare ground-based watershed features to LIDAR-generated features









Learn By Doing

Learn *at* Doing

Swanton *at* Pacific Ranch

- ❑ Land stewardship and ecosystem management
- ❑ Forestry, livestock, and crop operations
- ❑ Faculty, graduate and undergraduate applied research
- ❑ Internships, enterprise & senior projects, and courses
- ❑ Professional seminars and workshops

www.spranch.org

