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University of California Cooperative Extension
Sheila Barry, Livestock & Natural Resources Advisor

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Keeping Landscapes Working

A Newsletter for Managers of Bay Area Rangelands

Spring 2016: Soils, Economics, and Livestock Species IN THIS ISSUE

- [Soil, Carbon and Water: Possibilities for Change](#)
- [Rancher Economics](#)
- [New ANR Publication 8524](#)

The University of California Cooperative Extension of Santa Clara County

is hosting a day in the field with
Peter Donovan of the Soil Carbon Coalition

When: Saturday, April 16th 9 AM to 4 PM

Where: Martial Cottle Park, San Jose
UCCE 4-H Pasture

Park on Chenoweth Ave. and walk to demonstration area ([see map](#))

Soil Carbon and Water: Possibilities for Change

What can nearby soil surfaces tell us about water infiltration, carbon cycling, management policies, and practices? This participatory workshop is for citizens, the conservation district, and land managers. We will demonstrate how to measure the change in water infiltration capacity and soil carbon over time. Can communities take informed ownership for water cycling and carbon cycling in their watersheds? Why is this important, and how can we encourage public participation?

The workshop will take place in Martial Cottle Park, a new county park dedicated to agriculture education. The 287-acre park, established on the last farmland in San Jose includes 8 acres of pasture being managed by 4-H youth who live in the suburban communities that surround the park. Through this project the youth and the community have the opportunity to learn about healthy productive soil, grazing management, and livestock production

Please RSVP by April 12th to Sheila Barry
sbarry@ucanr.edu 408-282-3106

(lunch will be provided; donations to cover cost appreciated)

Join members of the **Central Coast Rangeland Coalition**

Spring 2016 Meeting to discuss ranch economics.

April 21, 2016
8:45 a.m. – 4:30 p.m.
[SFPUC Sunol Yard](#)
505 Paloma Way
Sunol, CA 94586
Cost: \$10

Rancher Economics

This gathering will provide an opportunity for local ranchers to describe their commitment and investment as well as the economic realities of managing cattle operations in California. The gathering will include technical experts who will clarify how costs, profits, and revenue need to balance out for an operation to be viable. Also, public land managers will speak to the costs, opportunities, and challenges of supporting ranching operations on public lands. Please join us for this unique opportunity to have local experts help increase understanding about the complexities of rancher economics.

PRESENTATIONS INCLUDE

Introduction

Tim Koopmann
SFPUC Area Land Manager and local rancher

Ranching operations in California

Clayton Koopmann, Rangeland Ecologist
Midpeninsula Regional Open Space District and local rancher

**The nuts and bolts of rancher economics
(cost, revenue and profit)**

Larry Forero, UC Cooperative Extension
Livestock and Natural Resources Advisor, Shasta County

**Cost and incentives for implementing infrastructure
improvements on leased lands**

Paul Banke, Local rancher

--- Lunch ---

Provided by Tim Koopmann and the Koopmann Ranch

Field site (San Antonio Lease)

Orientation to the SFPUC Alameda Creek Watershed

Dina Robertson, Rangeland Ecologist, AECOM

**Ranching in Conservation: TN Cattle Company
Bay Area and state wide operations**

Ryan Nielson
Rangeland & Habitat Restoration Specialist and local rancher

Economics of the San Antonio Creek Lease Operation

Ryan Nielson

SFPUC costs for management of grazing leases

Tim Koopmann and Neal Fujita
Alameda and Tuolumne Watershed Resources Manager

Pre-register via this website:

[CCRC Rancher Economics Workshop](#)

[ANR Pub 8524](#)

University of California Agriculture and Natural Resources

has a new, free publication available on

UNDERSTANDING WORKING RANGELANDS

Cattle, Sheep, Goats and Horses:

What's the Difference for Working Rangeland

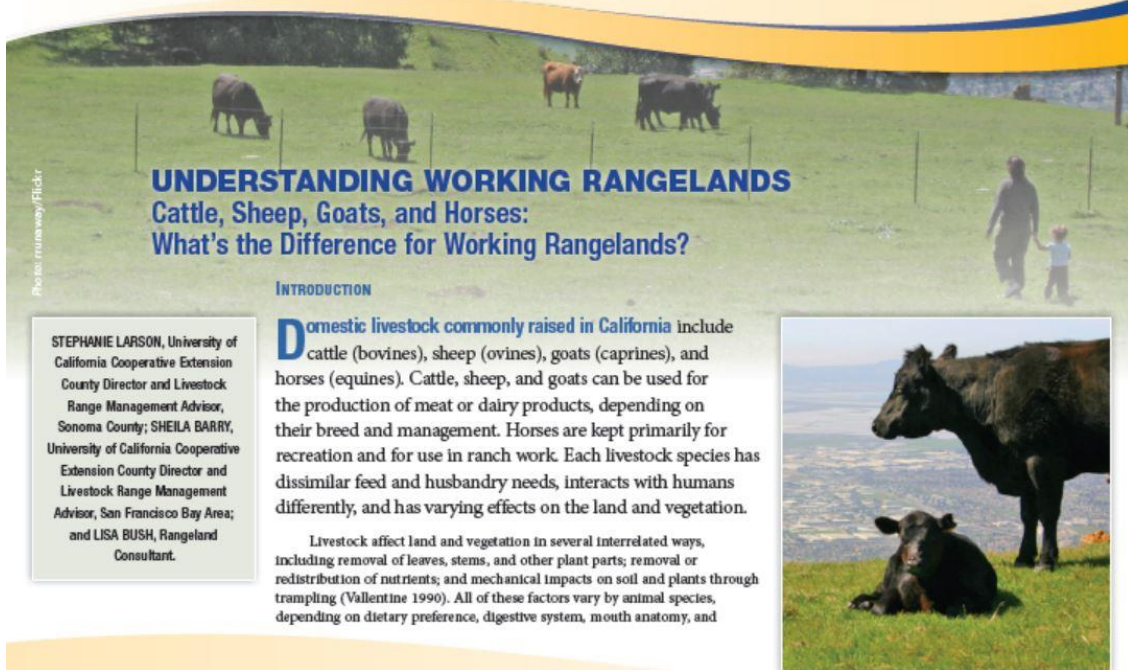


Photo: ruma way/Flickr

UNDERSTANDING WORKING RANGELANDS
Cattle, Sheep, Goats, and Horses:
What's the Difference for Working Rangelands?

INTRODUCTION

STEPHANIE LARSON, University of California Cooperative Extension County Director and Livestock Range Management Advisor, Sonoma County; SHEILA BARRY, University of California Cooperative Extension County Director and Livestock Range Management Advisor, San Francisco Bay Area; and LISA BUSH, Rangeland Consultant.

Domestic livestock commonly raised in California include cattle (bovines), sheep (ovines), goats (caprines), and horses (equines). Cattle, sheep, and goats can be used for the production of meat or dairy products, depending on their breed and management. Horses are kept primarily for recreation and for use in ranch work. Each livestock species has dissimilar feed and husbandry needs, interacts with humans differently, and has varying effects on the land and vegetation.

Livestock affect land and vegetation in several interrelated ways, including removal of leaves, stems, and other plant parts; removal or redistribution of nutrients; and mechanical impacts on soil and plants through trampling (Valentine 1990). All of these factors vary by animal species, depending on dietary preference, digestive system, mouth anatomy, and



Photo: Josh Mazzetti/Flickr

Working rangelands are public or privately owned open space lands that are managed with livestock grazing and rancher stewardship. Their management contributes to the production of a variety of ecosystem services, including food, clean water, weed control, wildlife habitat, fire fuel reduction, carbon sequestration, pollination, aesthetic views, cultural heritage, recreational and educational opportunities, and open space conservation.

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You are receiving this e-newsletter because Sheila Barry thought you might find the contents interesting and useful.

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