

Re: CE Specialist in Grazing Ruminant Nutrition Position Proposal

From : Bill Burrows
<sunflowercrmp@wildblue.net>

Thu, Jun 23, 2016 05:37 PM

Subject : Re: CE Specialist in Grazing Ruminant
Nutrition Position Proposal

To : kwtate@ucdavis.edu

Ken Tate,

Now, more than ever, we need to support the 'Importance of the
Grazing Ruminant in California' to maintain open space for:

- a) healthy water catchments for working environments,
- b) continued viewsapes of the natural environments,
- c) limit or prevent urban encroachment,
- d) continuing carbon sequestration using herbivores,
- e) removing unwanted biomass for wildfire protection,
- f) control or limiting invasive weeds,
- g) providing for a high quality animal protein for healthy human diets,
- h) collecting energy that converts sun energy into a high quality product that meets human demand.

Sincerely,

Bill Burrows, President BRI (Burrows Ranch, Inc.)
12259 Colyear Springs Road
Red Bluff, California 96080

"Dedicated to the social, financial, and environmental enhancement
of our communities"

FUEL AND FIRE RISK REDUCTION WITH PRESCRIBED GRAZING

Prepared for Bill Burrows by Emilio A. Laca

Sunday, June 5, 2016

SCOPE OF WORK

This draft scope of work is provided to support an application for complete funding to document the use of goat grazing to manage fuels and fire risk at a site in the Mendocino National Forest. The site is located near Red Bluff, CA, and was recently burned by a wildfire.

GOAL

Quantify the amount and rate of shrubs and herbaceous vegetation removed by goats at high stocking densities and measure the rate of regrowth after grazing to estimate frequency and intensity of grazing necessary to maintain low fuel loads.

METHODS

This work will be a case study and it is not approached as a controlled experiment with replications. We recommend that grazing be organized such that paired grazed and ungrazed areas are established for comparison. The general approach will follow the concept of a Before-After Control-Treated design. Grazed and ungrazed exclosures will be measured before and after grazing, and again at peak standing crop to assess final fuel load and vegetation mass. Fuel load will be measured using the FIREMON FL or similar methods (Lutes and Keanes, 2006). A suitable sampling design will be provided once the location of the study is fully defined.

DELIVERABLES

We will provide a brief but complete report including all data, statistical analyses to compare grazed and ungrazed plots and estimates of fuel loads and vegetation mass with confidence intervals. The report will be delivered to Mr. Bill Burrows and the funding agency one year after the project starts or three months after the end of the field measurements, whichever comes later.

BUDGET

We request sufficient funds to pay for the labor, travel and consumables necessary to complete the work plus the appropriate indirect costs. Indirect costs rate will be established by UCD once the funding agency is identified. Direct costs are \$16,997 and detailed in the attached file.