

8-20-2017

# Biochar production and application in the Intermountain West

Darren McAvoy  
*Utah State University, USA*

Follow this and additional works at: <http://dc.engconfintl.org/biochar>



Part of the [Engineering Commons](#)

---

## Recommended Citation

Darren McAvoy, "Biochar production and application in the Intermountain West" in "Biochar: Production, Characterization and Applications", Franco Berruti, Western University, London, Ontario, Canada Raffaella Ocone, Heriot-Watt University, Edinburgh, UK Ondrej Masek, University of Edinburgh, Edinburgh, UK Eds, ECI Symposium Series, (2017). <http://dc.engconfintl.org/biochar/68>

This Abstract and Presentation is brought to you for free and open access by the Proceedings at ECI Digital Archives. It has been accepted for inclusion in Biochar: Production, Characterization and Applications by an authorized administrator of ECI Digital Archives. For more information, please contact [franco@bepress.com](mailto:franco@bepress.com).

# UTAH BIOMASS RESOURCES GROUP



**UtahState** University  
COOPERATIVE EXTENSION

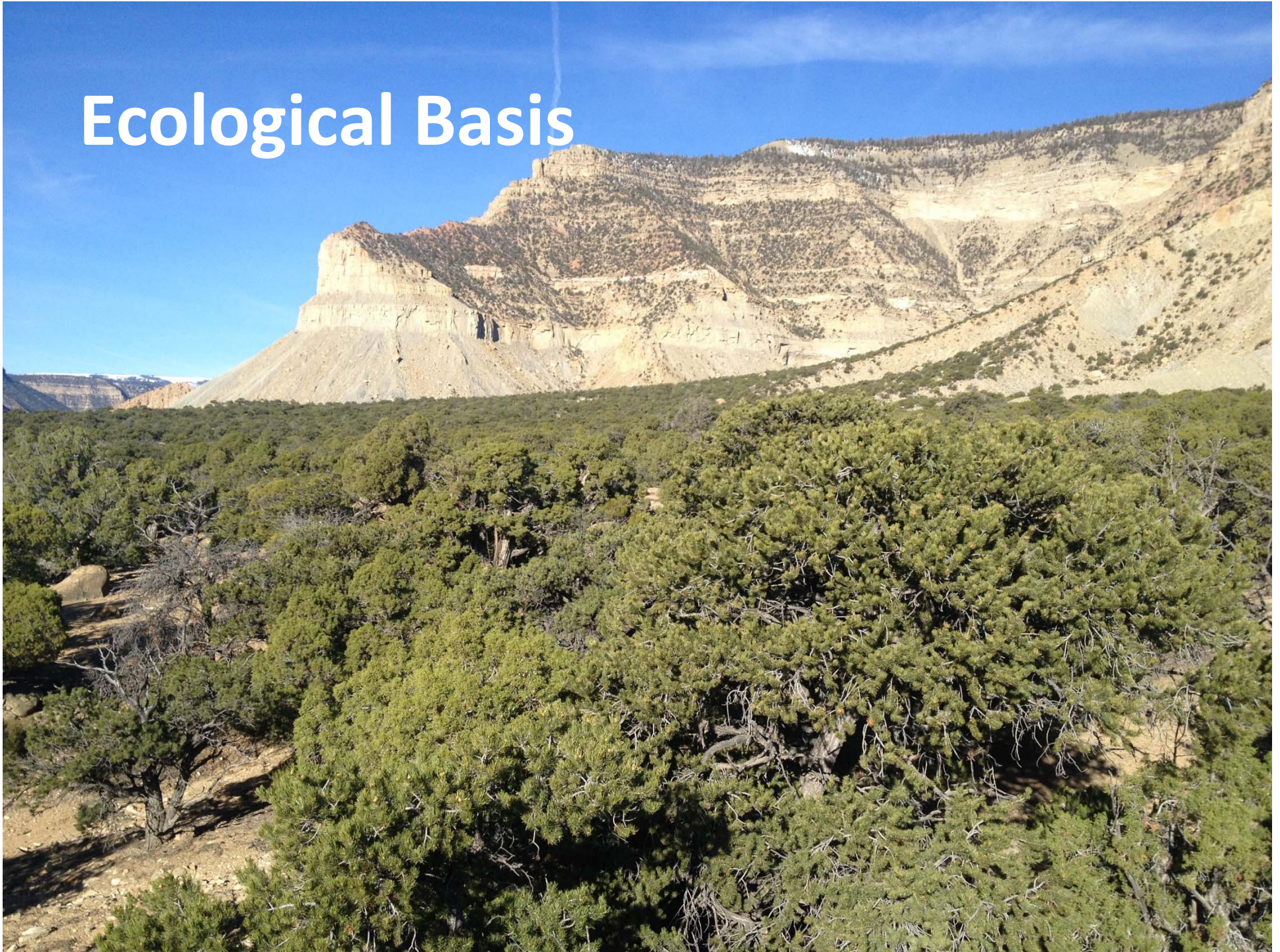
**Amaron Energy**

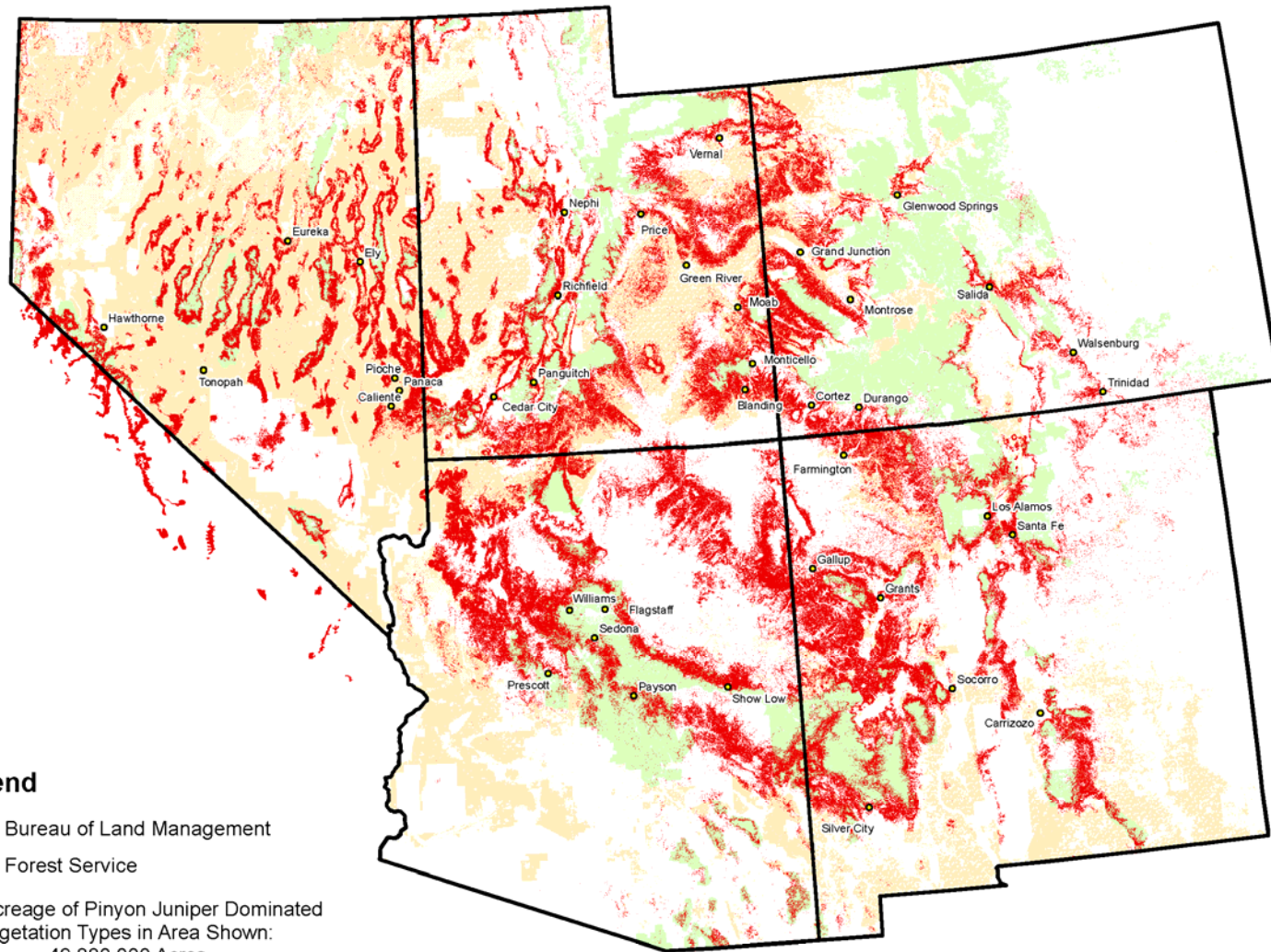


# Overview

- Mobile Pyrolysis
- Ecological Basis
- Challenges
- Flame-Cap Kilns
- Application

# Ecological Basis





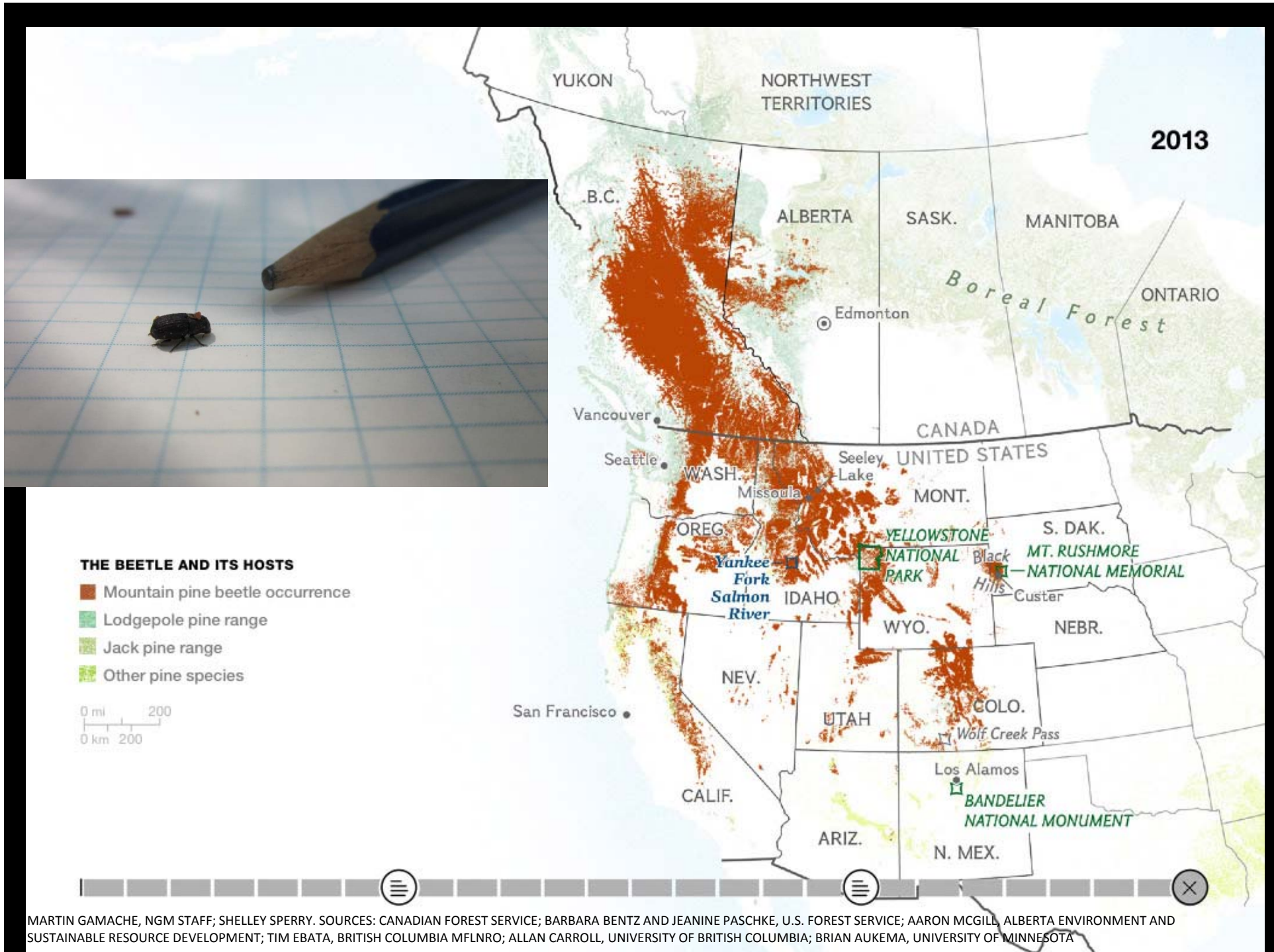
**Legend**

- Bureau of Land Management
- Forest Service

Total Acreage of Pinyon Juniper Dominated  
Vegetation Types in Area Shown:  
49,880,000 Acres

**Pinyon-Juniper**  
Distribution of  
Vegetation Types  
in the  
Southwestern States

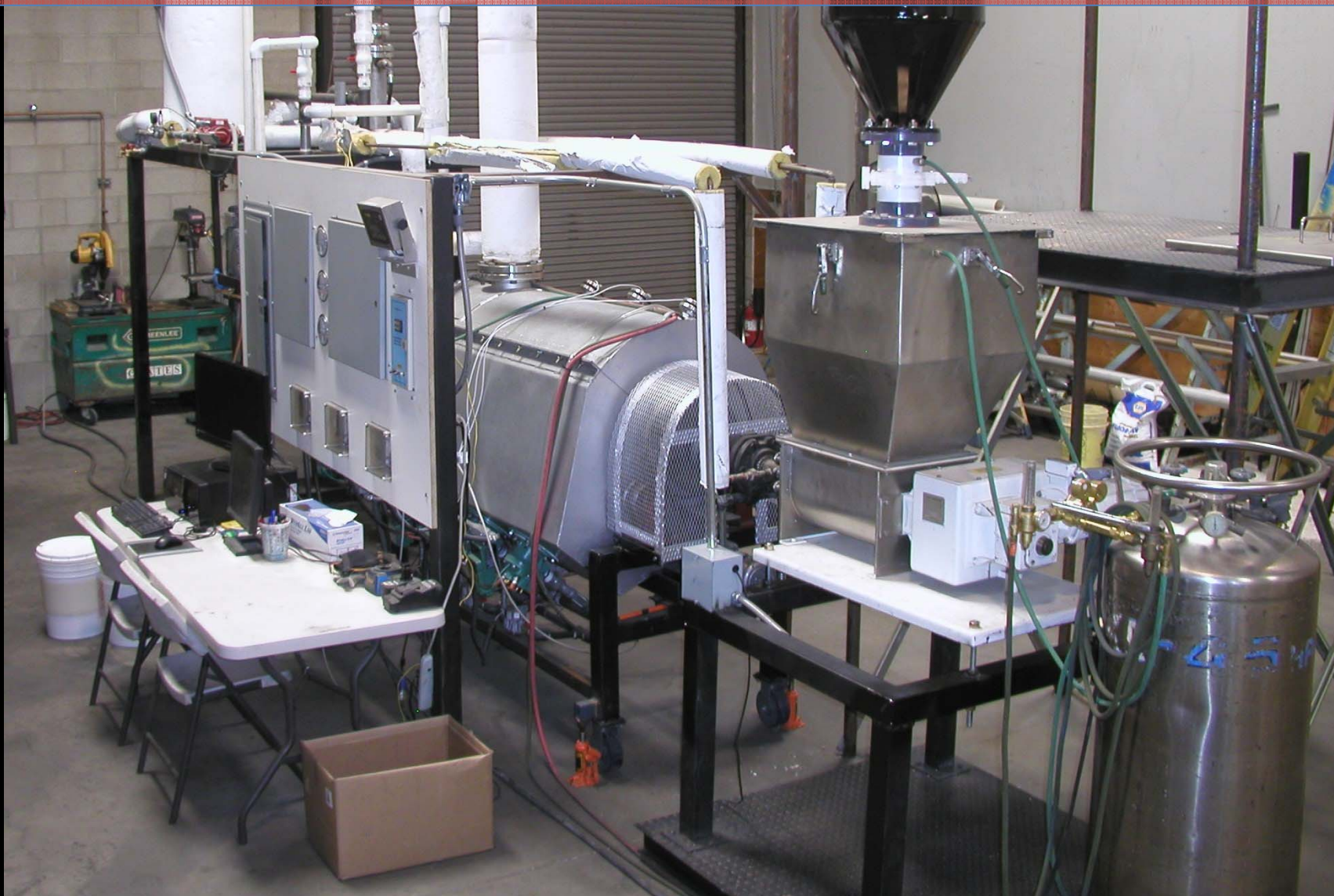
Data Source: SW Re-GAP Landcover Data, 2004, CA GAP Landcover Data, 1998



MARTIN GAMACHE, NGM STAFF; SHELLEY SPERRY. SOURCES: CANADIAN FOREST SERVICE; BARBARA BENTZ AND JEANINE PASCHKE, U.S. FOREST SERVICE; AARON MCGILL, ALBERTA ENVIRONMENT AND SUSTAINABLE RESOURCE DEVELOPMENT; TIM EBATA, BRITISH COLUMBIA MFLNRO; ALLAN CARROLL, UNIVERSITY OF BRITISH COLUMBIA; BRIAN AUKEMA, UNIVERSITY OF MINNESOTA



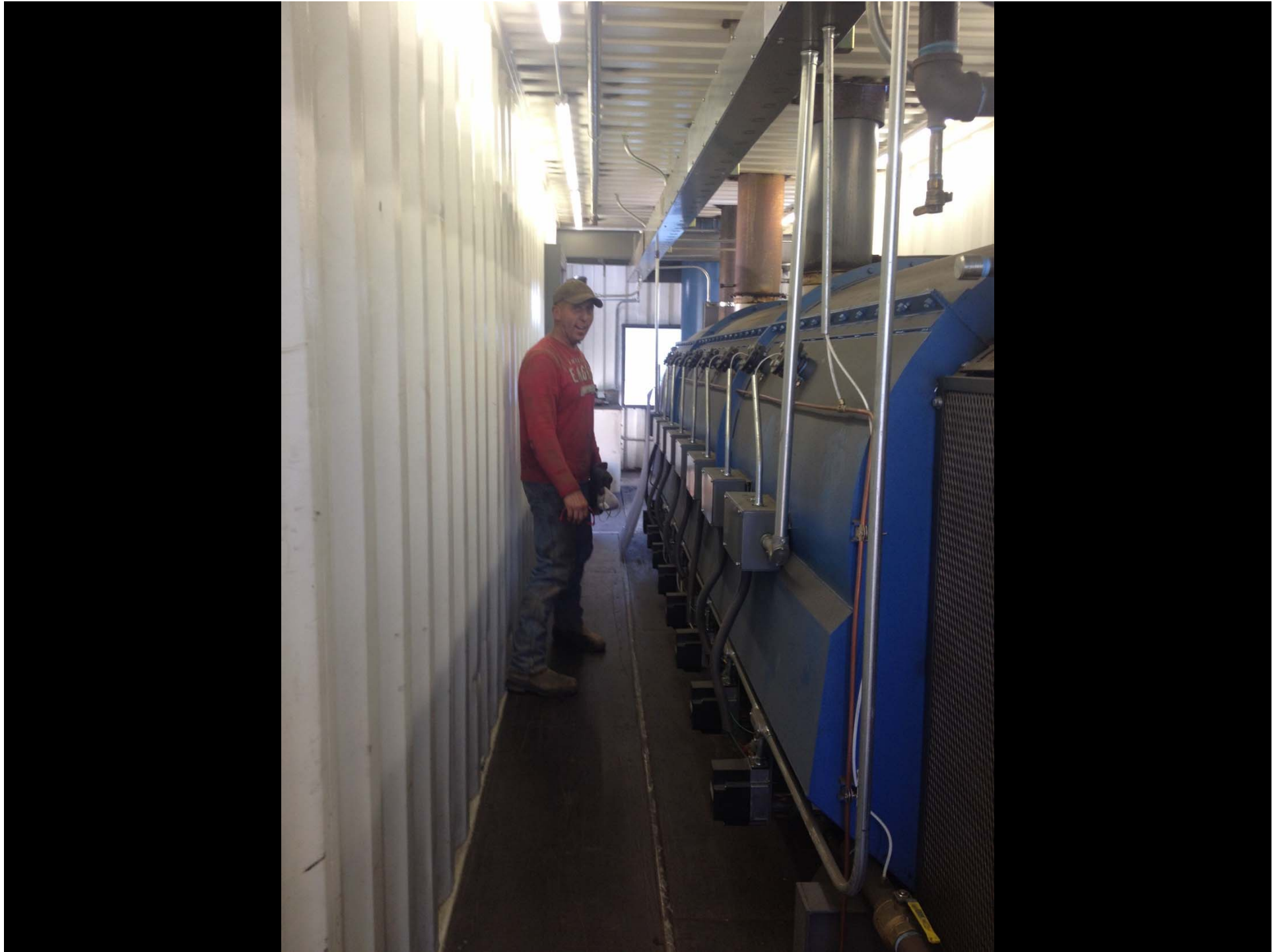
# Mobile Pyrolysis















# Challenges















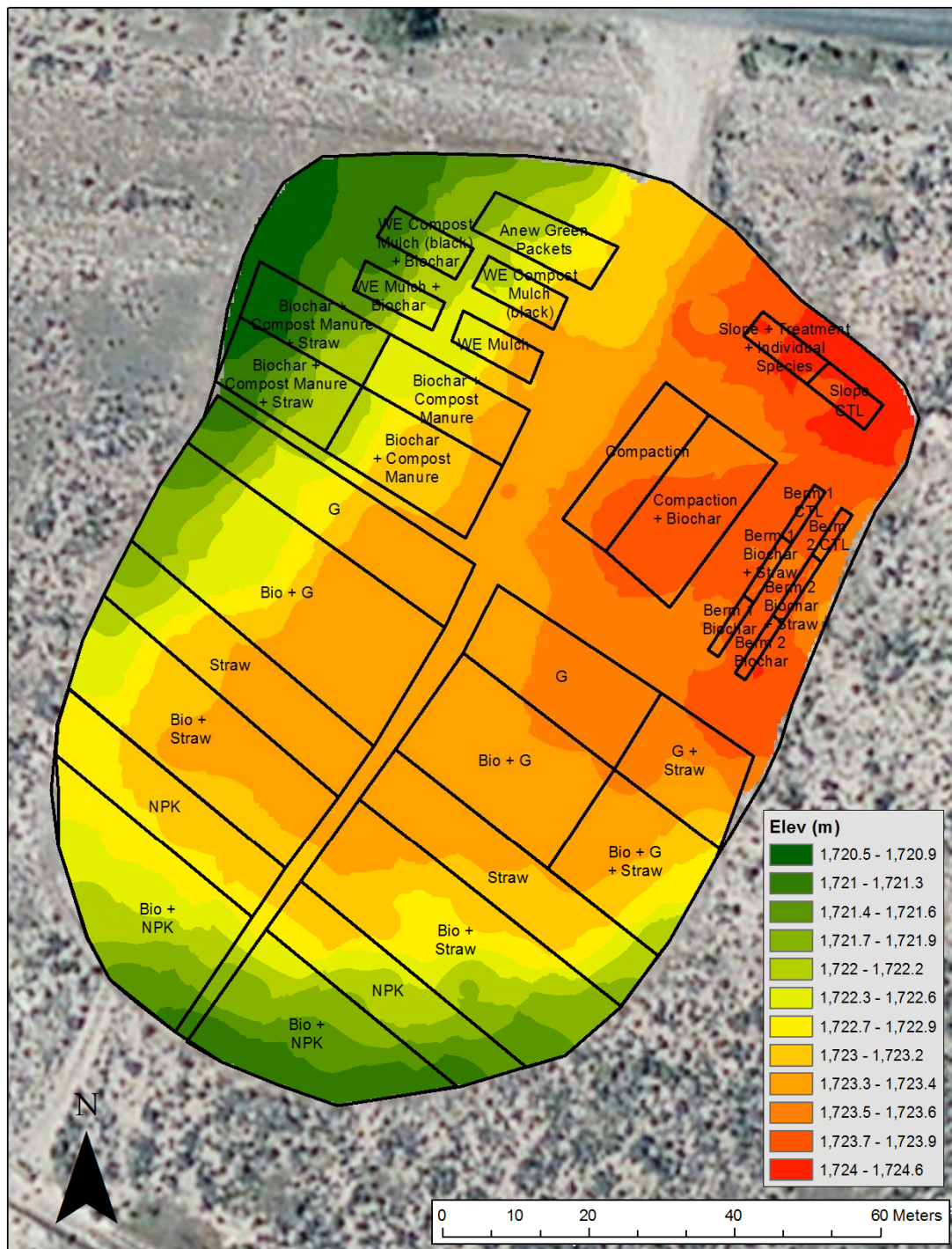
# Flame-cap Kilns





# Application

























Darren McAvoy

[darren.mcavoy@usu.edu](mailto:darren.mcavoy@usu.edu)