

On-the-ground Conservation Actions Supporting Climate Change Objectives

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Preview...

- Promising Management Practices
- Adaptive Benefits
- Recent Support from Sacramento
- Sonoma County/Regional Efforts

Compost Application on Rangelands

- ½” application of compost on coastal rangeland
- 37% increase in soil carbon over 3 years (*Ryals, et al 2013*)
- American Carbon Registry Protocol – *Compost Additions to Grazed Grasslands*, October 2014

It's also Adaptive!

- 25% increase in soil water holding capacity (*modeled*)
- 42% increase in productivity over 3 years (*Ryals & Silver, 2013*)

Other Promising Practices

	Soil C	Standing Stock C	Reduced N2O Emissions	Soil Water Capacity	Reduced Evaporation	Wildlife Habitat/Corridors	Water Quality
Tillage/cover crop management	X			X			X
Windbreaks	X	X		X	X	X	
Hedgerows	X	X		X		X	
Riparian Forest Planting	X	X		X		X	X
Nutrient Management			X				X

Recent Support from Sacramento

- Governor's Budget – “Healthy Soils”
- AB 761 (Levine) – Carbon Farm Planning

Sonoma County/Regional Efforts

- North Bay RCDs - Sonoma, Gold Ridge, Mendocino, Marin, Napa
- Building on the Marin Carbon Project with LandSmart® Carbon Farm Plans
- Carbon Cycle Institute, Fibershed, Colorado State University, NRCS, local landowners, and more...
- Multiple land uses – rangeland, vineyard, orchard, crop
- Quantification Tools
- Field trials/demonstration projects

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