

# ATTACHMENT A

## Save our Salmon (SOS)

### The Salmon Creek Habitat Rehabilitation Program - Phase I

**SOS Program Description:** The Save our Salmon (SOS) program combines a suite of approaches to restore a resilient, sustainable riparian corridor and in-stream habitat for endangered coho salmon and threatened steelhead trout. If coho recovery is to be realized in the Salmon Creek watershed, both physical and social mechanisms must be implemented so that agricultural and rural residential landowners have the incentives and means to shift their water diversions away from Salmon Creek through the dry season. The underlying premise of this program is that water for both human and coho salmon can be secured through careful planning and water supply management. Effective restoration will address both impaired habitat functions and habitat forming processes and it will protect those habitats that presently function well. See map on back page for restoration locations in the Salmon Creek watershed.

#### Project Restoration Approaches:

- ❖ **Riparian vegetation enhancement** for shade, habitat diversity, bank stability, and wood recruitment in three reaches. Plantings will increase riparian buffer width, density, and species complexity in areas that have minimal cover and/or lack a multi-age, diverse canopy
- ❖ **Instream large wood structures** for habitat feature development, complexity, and cover. Installation locations have been selected to increase pool depths and bar heights, improve spawning gravels, and maintain undercut banks.
- ❖ **Stream flow augmentation** during critical dry periods through installation of rainwater catchment systems for individuals currently using water from Salmon Creek for agricultural and non-potable domestic purposes. Storage tanks will be installed to replace summer in-channel pumps and reduce demand on near-channel, shallow wells within the project reaches. In addition to developing catchment systems, an agricultural pilot project will redevelop an existing agricultural pond to augment failing upland spring supplies and eliminate the use of riparian water sources.
- ❖ **Fine sediment delivery reduction** to rearing reach. Erosion control incorporated into the riparian vegetation rehabilitation in the Fay Creek Reach and at one site in the Bodega Valley reach will utilize biotechnical methods to stabilize the stream banks in locations where wide inset floodplains exist
- ❖ **Outreach, education and signage** will increase public awareness (both locally and nationally) about the importance of salmonid habitat preservation and rehabilitation, the of role water conservation and development of rainwater catchment plays in restoring fish populations and providing water supply sustainability, and the characteristics of a healthy riparian corridor.
- ❖ **Pre- and Post-project habitat condition-indicator monitoring** to develop site-specific baseline data and an approach to documenting long-term improvements in overall habitat condition resulting from streamflow augmentation practices and instream habitat structures.

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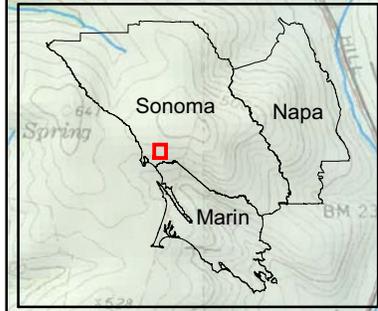
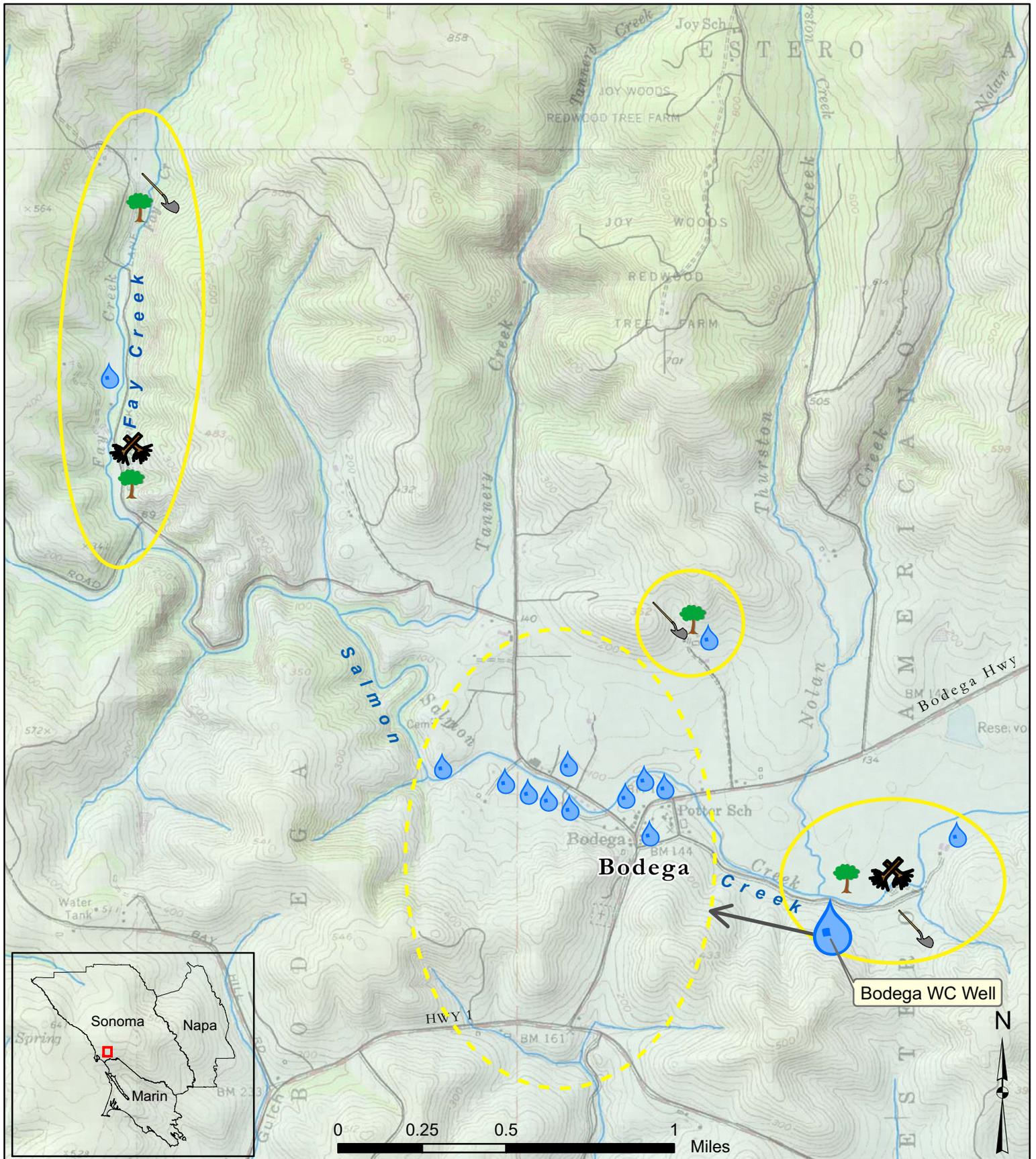


Gold Ridge Resource  
Conservation District



PRUNUSKE CHATHAM, INC.





-  - Riparian Revegetation Project
-  - Woody Debris Habitat Project
-  - Water Conservation Project
-  - Sediment Reduction Project
-  - Project Areas
-  - BWC Service Area

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### Gold Ridge Resource Conservation District