

1st Amendment

Early Season Botanical Survey &

Additional Protection Measures



Survey

On March 9th & 11th 2022 an early season botanical survey was conducted at the location shown on the attached map. During the CalVTP botanical assessment (performed in May of 2021), it was determined that an early season survey was warranted to assess a form of manzanita present within the serpentine community.

All target species shown in Attachment B of this CalVTP were searched for during this survey, specifically the early season blooming species. Serpentine reed grass was added to this list because it was the only listed species located during the 2013 botanical survey conducted by PCI. This species occurrence is not included in the CNDDB list. Nevertheless, multiple occurrences were noted within the serpentine area along the Healdsburg Ridge Open Space Preserve.

Results

Baker's manzanita was not positively identified within the serpentine chaparral. The manzanitas which have phenotypical similarities to this species could not be positively identified. They appeared to lack the pinkish-white color associated with the inflorescence of Baker's manzanita. The flowers also appeared to be past the apex of their blooming period, which could have accounted for this. As a result, all individuals with these phenotypic similarities will be flagged for avoidance prior to operations until complete identification can be made.

<u>Serpentine reed grass</u> (*Calamagrostis ophiditis*) CRPR 4.3 – This species was scattered throughout the serpentine chaparral area within the Healdsburg Ridge Open Space Preserve. It was restricted to the southwest portion of the serpentine area as depicted on the attached STZ map.

Protection Measures

To prevent damage to Serpentine reed grass, a special treatment zone shall be established around the southwestern portion of the serpentine area shown on the attached map. Within this STZ, heavy equipment will not be utilized, and grazing will be restricted to between July-February to allow for adequate seed dispersal. See the attached map showing the special treatment area.

Manzanita with similar phenotypic characteristics as Baker's manzanita will be flagged by the RPF or qualified biologist prior to treatment. Any fuel treatment crew will be trained in identification of this species to avoid potential damage to individuals.

Sincerely,

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