

BOTANY PROGRAM Tom Enostrom Jannifer Doore Jessica O'Brien Stephanie Puentes

RARE PLANTS FROM DIVERSE ENVIRONMENTS ACROSS SIERRA PACIFIC INDUSTRIES' FORESTI ANDS

WET AND RIPARIAN -

Wet habitat includes many diverse microhebitats which drive plant diversity and even rarity. These microhabitats can include shallow springs moist seems inundered moving streams, creek bank edges, delicient boos as well as seasonally we melt. These ranges of ringrian and mesic habitats are environmenta pressures that challenge and diversity plant species

pulchellus (1B.2), Cypripedium ontanum (4.2), Drosera anglica (28.3) and Botruchium menulatur (28.2)













ROCKY HABITAT





Rocky slopes and outcrops formed from a wide variety of rock, such as limestone, granite, or shale, offer a unique habitat type. Species orowing here have limited soil, are often exposed, and can withstand conditions of fluctuating temperatures and humidity levels.

Plant examples: Lewisia kelloaati ssn kelloggii (3.2), Ageratina shastensis (18.2) Lewisin convlutors our howalli (3.2), and Ervibranshe saylorii (IBI)

DISTURBED AREAS





Disturbed areas are places that have rienced a temporary habitar assente Doadeidae timber barseet and forest fires are some common examples. These disturbances offer landscapes of opportunity for species dormant in the seedbank to emerge Evan energies rare to California can tolerate and thrive in this specific habitat

Dlant avamnlee: Clarkin magazinii (IB.I). Iliamna bakeri (4.2). Lilium humboldtii ssp. humboldtii (4.2), and

Ultramatic Soil -



Plant examples: Helianthus exilis (4.2). Sedum obtusatum sen naradisum (LR 3) Bradiosa sierme (4.3) and



















Forested habitat varies across SPTs timberlands which encompass a diverse range and composition of tree species and canopy cover. From the coestal redwoods to the Sierran mixed confer. east side pine to high elevation fir. Species specific to these forest floors often occur on diverse substrates but are part of a forest understory or setting

Plant examples: Silene salmonaceae (1B.2). Silene occidentalis ssp. Innaistinitata (LR 2). Nevirsia chibonii (LR 2) and Viola symensors (4.2)

common examples of volcanic influenced habitar. Lava caps are open grey gravelly areas formed from river eruntione lit landecanes on fire explosive nature of volcanic eruptions which trapped gasses in rocks as they quickly cooled giving them their porous quality. These habitat types are specific to and even preferred by certain rare California plants.

Plant examples: Lomotium stebbins (1B.1). Allium sanbornii var. sanbornii (4.2) Mimulus (Erythronthe) alaurespens (4.3) and Geanothus freenensis (4.3)











SPI manages over 1.7 million acres of forestland in California. A scientifically-based Bosany Policy was developed to proven botanical resources and guide how sensitive plants are addressed in Timber Harvest Plans (THP) Botanical field surveys are performed in suitable habitat of any THP with the potential to contain sensitive plant species. Rare plant fludings are documented by standard projessional process and sent to the Department of Fish and Wildlife for inclusion in the California Natural Diversity Database. Additionally, all surveys and findings are submitted with the Till to the California Department of Forestry and Fire Protection.