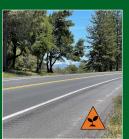
SPECIAL-STATUS SPECIES & THEIR RELATIONSHIP TO ROADSIDES

WHY ROADSIDES



Special-status plant species have faced significant habitat loss and fragmentation in the last century. Roadside habitats have provided pockets of refugia for these rarities and may hold one of the only consistent habitats in the future. These plants have a unique genetic tolerance to environmental conditions and are disturbance tolerant. This poster highlights a small portion of specialstatus plant species found along roadsides during ICF's 2023 field season.

CLARKIA SPECIES

Rare Clarkia species like *Clarkia lingulata* and Clarkia biloba ssp. australis can be found within 5-50 feet from roadsides. Clarkia species have radiated recently, and these neoendemics are often found in disturbed sites. Clarkia lingulata only has two occurrences that hug Hwy 140. Both rare Clarkia species have evolved rapidly and face selective pressures from disturbed environmental conditions.



LEWISIA CONDONGII



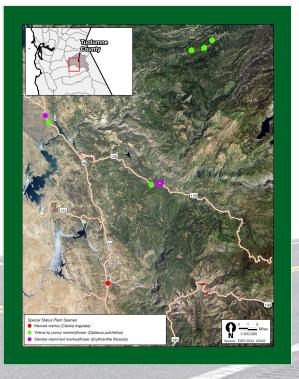
Lewisia condongii [CRPR 1B.2 | CR] has multiple occurrences on phyllite cliffs nearby Hwy 140 and Hwy 180. The rare *Lewisia* photographed is from a known occurrence in the Merced River Canyon (~20 ft from Hwy 140). Reproductive isolation has resulted in many endemic and rare Lewisia species in California.

ROMNEYA COULTERI

Romneya coulteri (CRPR 4.2) is more prominent in Southern California and is a clonal species. Romneya coulteri was originally cultivated in the region and has successfully persisted throughout the Merced River Canyon.



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LITERATURE REVIEWED & ACKNOWLEDGMENTS

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