

Phacelia filiae – Clarke phacelia

Family: Boraginaceae (borage)

Bloom Period: April-June

Annual: Branched at base, stems long, curved upward

Leaves: Mostly basal, leafstalks that connect the leaf to the stem are present (petiolate), ovate, elliptic or oblong

Flowers: Lavender (purple), tube (center) pale yellow

Fruit/seed: Fruit capsule hairy, seeds long and angular, fruit capsule holds 18-26 seeds

Uniqueness: The plants found on the NNSS in 1977 were identified as *Phacelia parishii*, which is a very similar plant, but were redetermined in 2002 as *Phacelia filiae* based on differences in the seeds seen under a microscope

Location it was first identified (type locality): Three Lakes Valley, Clark County, NV, Nellis Range (Smith & Dwyer 1998)

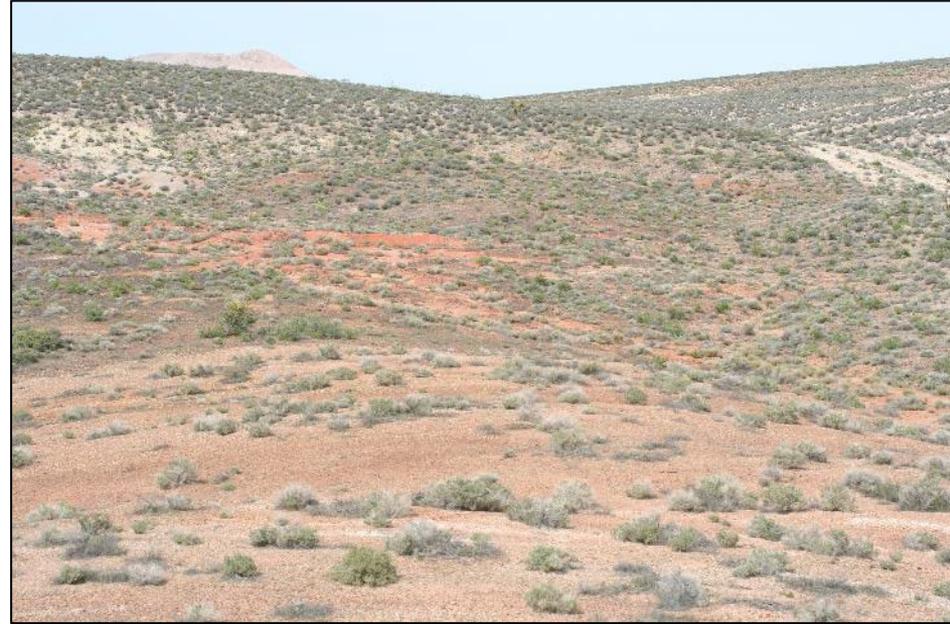
Associated Vegetation: Shadscale, blackbrush, creosote



	Seed Length	Seed/Capsule	Seed	Flower Length	Upper Stem Leaves
<i>Phacelia filiae</i>	1.3-1.8mm	18-26	Long-angular, rounded or narrowed (pointed) to the ends with more deeper pits	1.5-2.4mm	Generally petiolate
<i>Phacelia parishii</i>	0.9-1.1mm	30-40	Mostly round-oblong in shape with round tips and shallow pits	07.-1.3mm	Generally, not petiolate, upper leaves tend to be sessile, at least basal leaves nearly always prominently dentate

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Habitat: Relatively flat areas or on low knolls of the valley floor; mostly above the playas and in the foothills of desert mountains; light colored soils of calcareous sandstone, siltstone, tuffaceous claystone, and limestone substrates

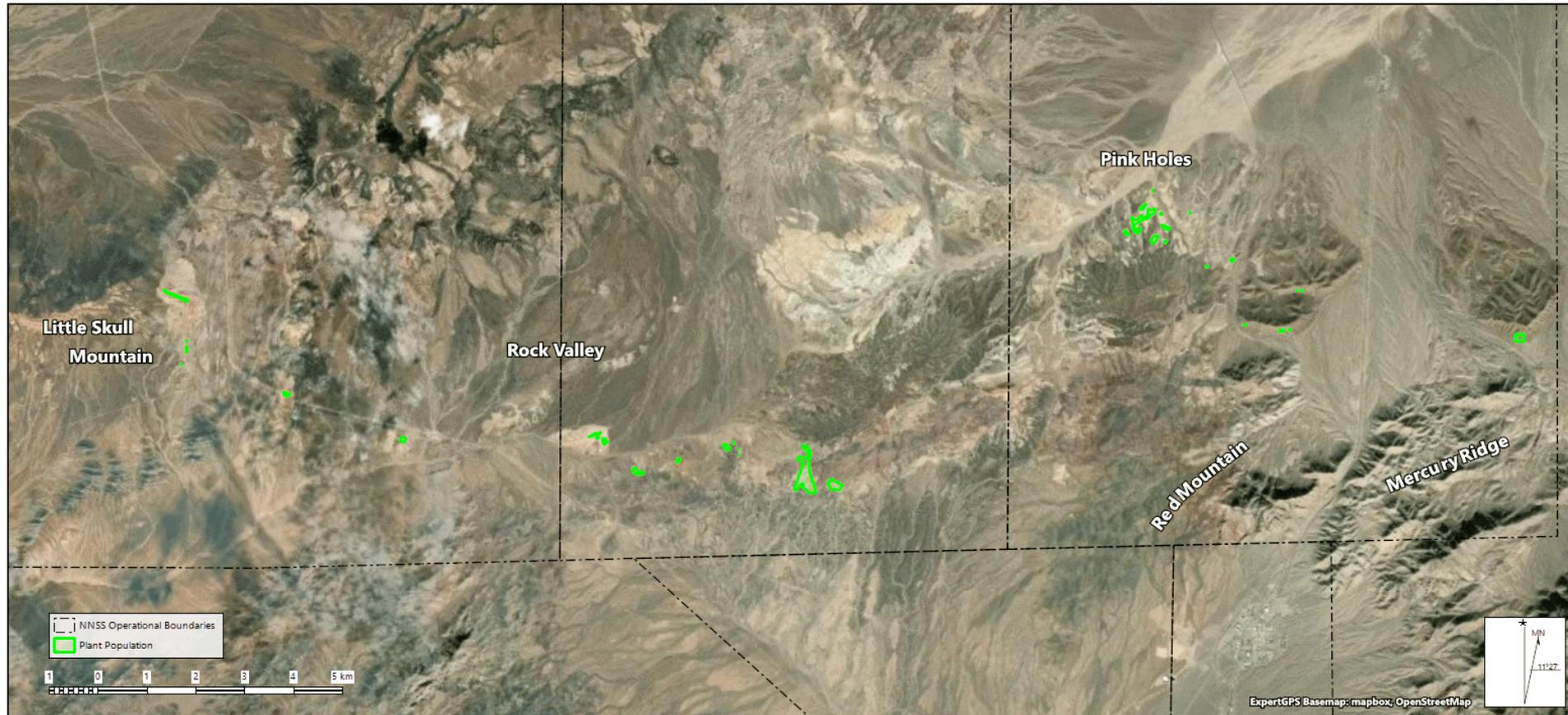
Distribution: NV (Nye, Clark, and Lincoln Counties)

Elevation: 2,000-4,000 feet

Threats on the NNSS: A few populations are along road cuts, otherwise populations are only accessible by foot; currently no known human threats

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Distribution on the NNSS: Red Mountain, Pink Holes Hill, Rock Valley, Little Skull Mountain, Mercury Ridge; ~90 acres of habitat

Protection Status (NV): No federal or state protections. Listed on the Nevada Division of Natural Heritage At-Risk Plant and Animal Tracking List and the Nevada Native Plant Society Watch List (<https://heritage.nv.gov/documents/ndnh-current-tracking-list>)

Current Monitoring Goal: Focus should be on delineating the range of *Phacelia filiae* from *Phacelia parishii*; survey subset of populations once every 5 years

Contact 702-295-0393 if your activity might potentially impact this sensitive species