

RAIDERS

of the
LOST ARK:

resurrecting the San Miguel Island chaparral seedbank

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South Coast and Deserts







San Miguel Island is the 6th largest Channel Island totaling 36.26 km² (14 mi²)







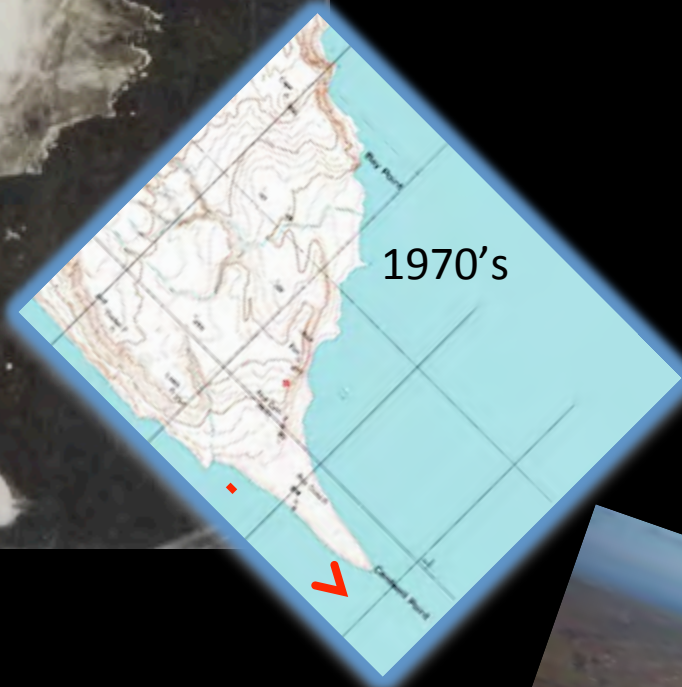
Edward Lee Greene botanized on San Miguel Island in the 1880's

**Dune scrub. Check.
Grasslands. Check.
Where in the hell is
the chaparral?**











M. Ball



M. Ball



M. Ball







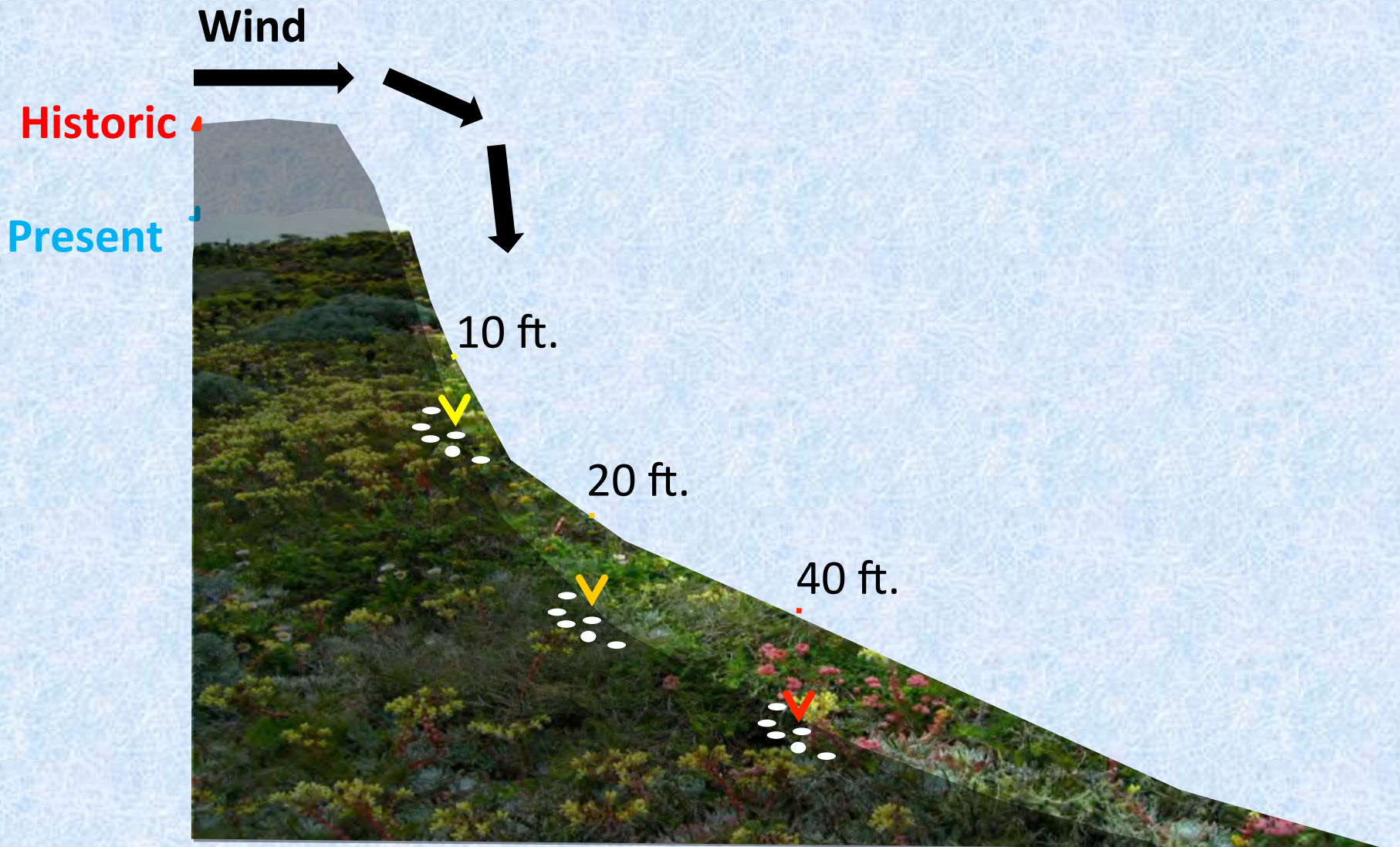
PRESENT CHAPARRAL SPECIES- 5 SPP
NEWLY DISCOVERED- 1 SP
EXTRIPATED CHAPARRAL- 4 SPP
EXTRIPATED NON-CHAPARRAL- 4 SPP
POSSIBLY EXTRIPATED CHAPARRAL- 15 SPP

PLANT SPECIES	COMMON NAME
<i>Heteromeles arbutifolia</i>	Toyon
<i>Lavatera assurgentiflora s. assurgentiflora</i>	Northern island tree mallow
<i>Marah macrocarpus v. major</i>	wild cucumber
<i>Rhus integrifolia</i>	Lemonade berry
<i>Rubus ursinus</i>	California blackberry
<i>Mimulus flemingii</i>	Island Monkey Flower
<i>Ceanothus megacarpus s. insularis</i>	Island big-pod ceanthus
<i>Ericameria ericoides</i>	Mock heather
<i>Helianthemum greenei</i>	Island rush-rose
<i>Rhamnus pirifolia</i>	Island redberry
<i>Abronia latifolia</i>	Yellow sand-verbena
<i>Castilleja mollis</i>	Soft-leaved paintbrush
<i>Grindelia stricta v. platyphylla</i>	Grindelia
<i>Plantago subnuda</i>	plantain
<i>Adenostoma fasciculatum v. fasciculatum</i>	Chamise
<i>Adenostoma fasciculatum v. prostratum</i>	Prostrate chamise
<i>Arctostaphylos confertiflora</i>	Santa Rosa Island manzanita
<i>Arctostaphylos tomentosa s. insulicola</i>	Island manzanita
<i>Arctostaphylos tomentosa s. subcordata</i>	Subcordate manzanita
<i>Cercocarpus betuloides v. blanchae</i>	Island mountain mahogany
<i>Comarostaphylis diversifolia s. planifolia</i>	Summer-holly
<i>Lathyrus vestitus v. vestitus</i>	Wild sweet pea
<i>Lonicera hispidula v. vacillans</i>	California honeysuckle
<i>Lonicera subspicata</i>	Chaparral honeysuckle
<i>Prunus ilicifolia s. lyonii</i>	Island cherry
<i>Ribes malvaceum v. malvaceum</i>	Chaparral currant
<i>Rosa californica</i>	California wild rose
<i>Solanum clokeyi</i>	Island nightshade
<i>Symphoricarpos mollis</i>	Creeping snowberry





Where to excavate?





Acknowledgements



A wide-angle photograph of a vast, flat landscape covered in reddish-brown rocks and pebbles. The horizon is low, and the sky is filled with heavy, dark clouds, with some light breaking through on the right side. The overall mood is dramatic and somewhat somber.

Questions?