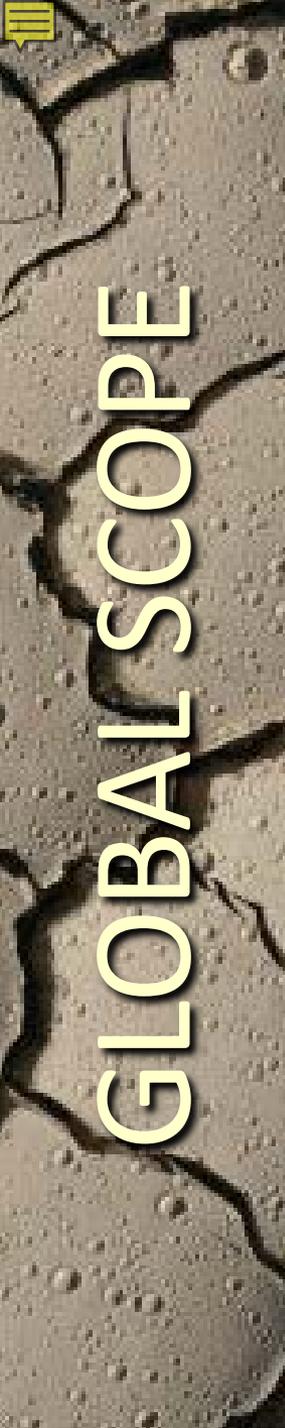


SOIL SURVEY NEEDS FOR OFF-HIGHWAY VEHICLE RECREATION

Jim Weigand
BLM California State Office





GLOBAL SCOPE



GLOBAL SCOPE



DOVE SPRINGS

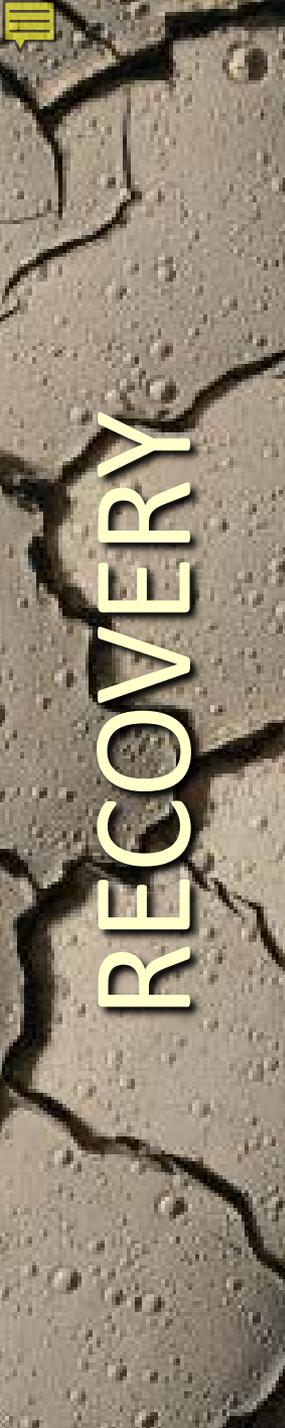


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RECOVERY



1907

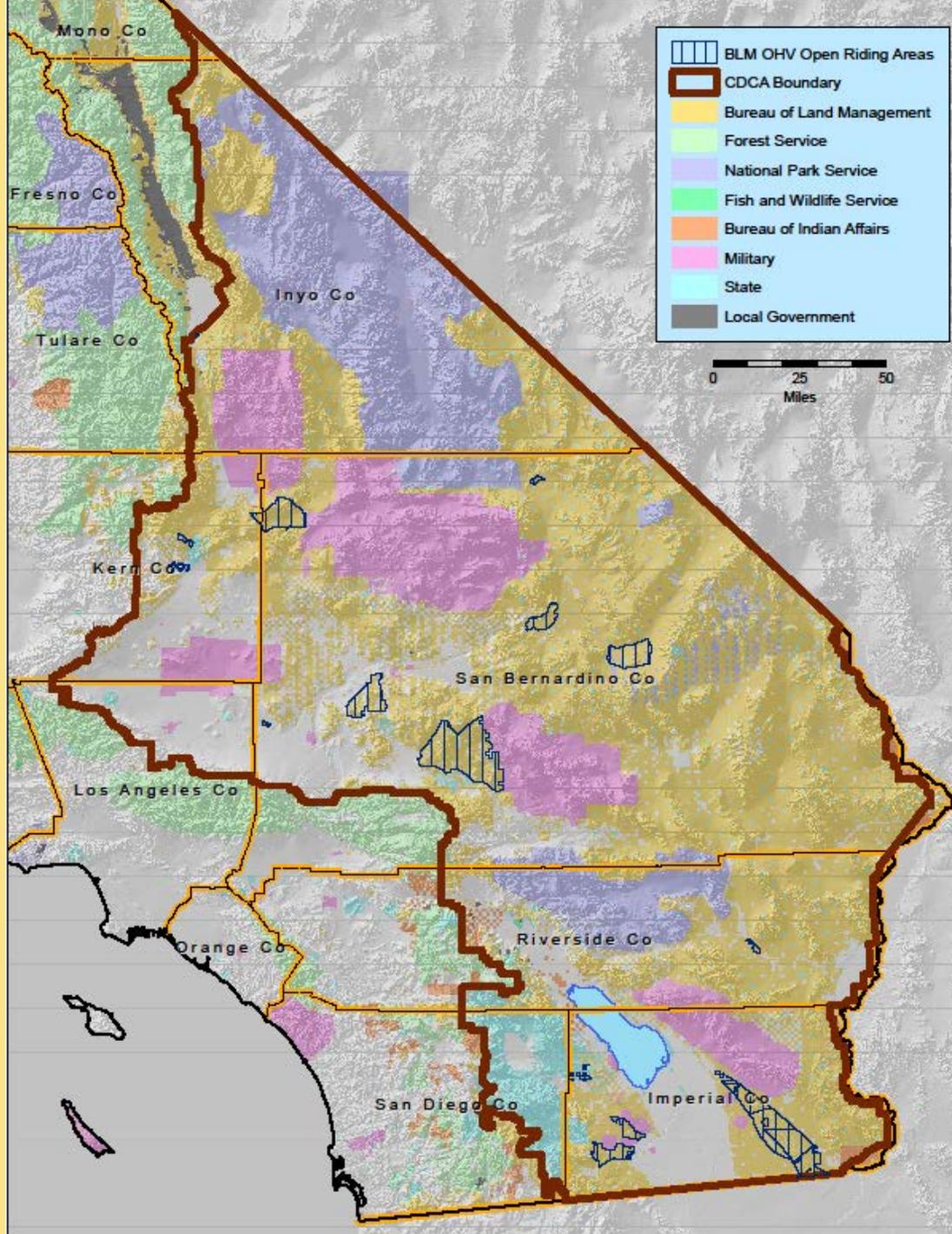


1999

OHV RECREATION

1980

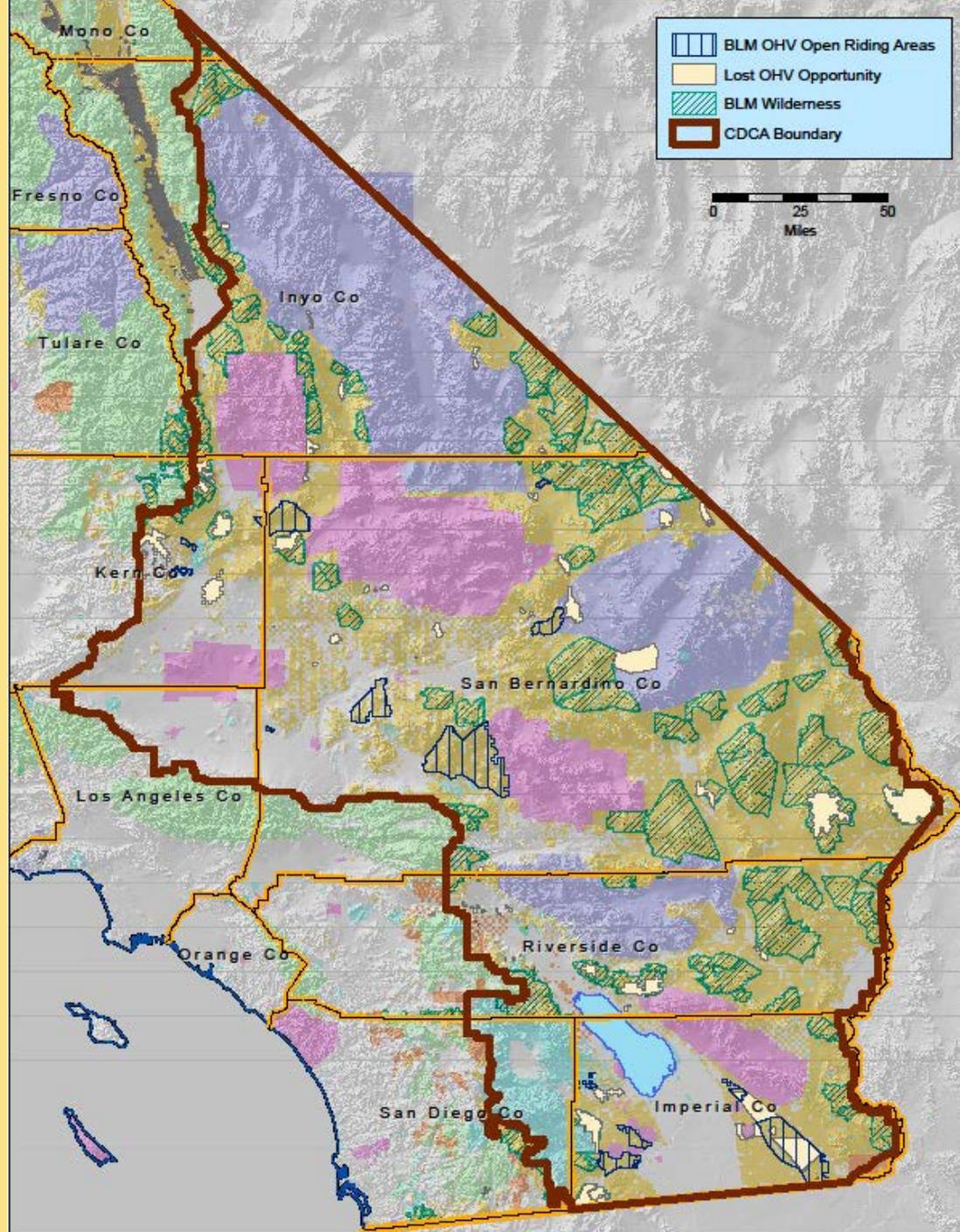
23 Million
Californians



OHV RECREATION

1994

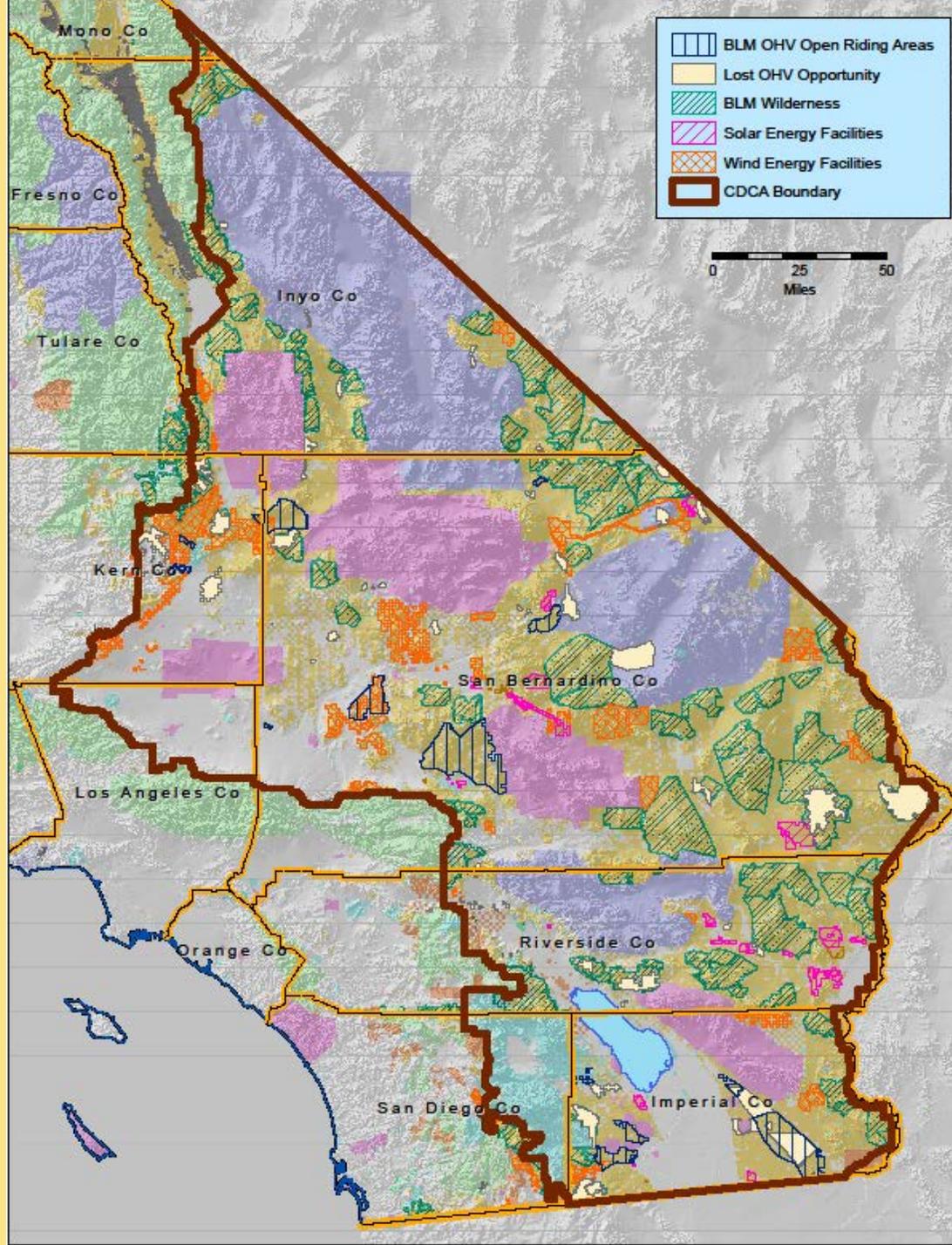
32 Million
Californians



OHV RECREATION

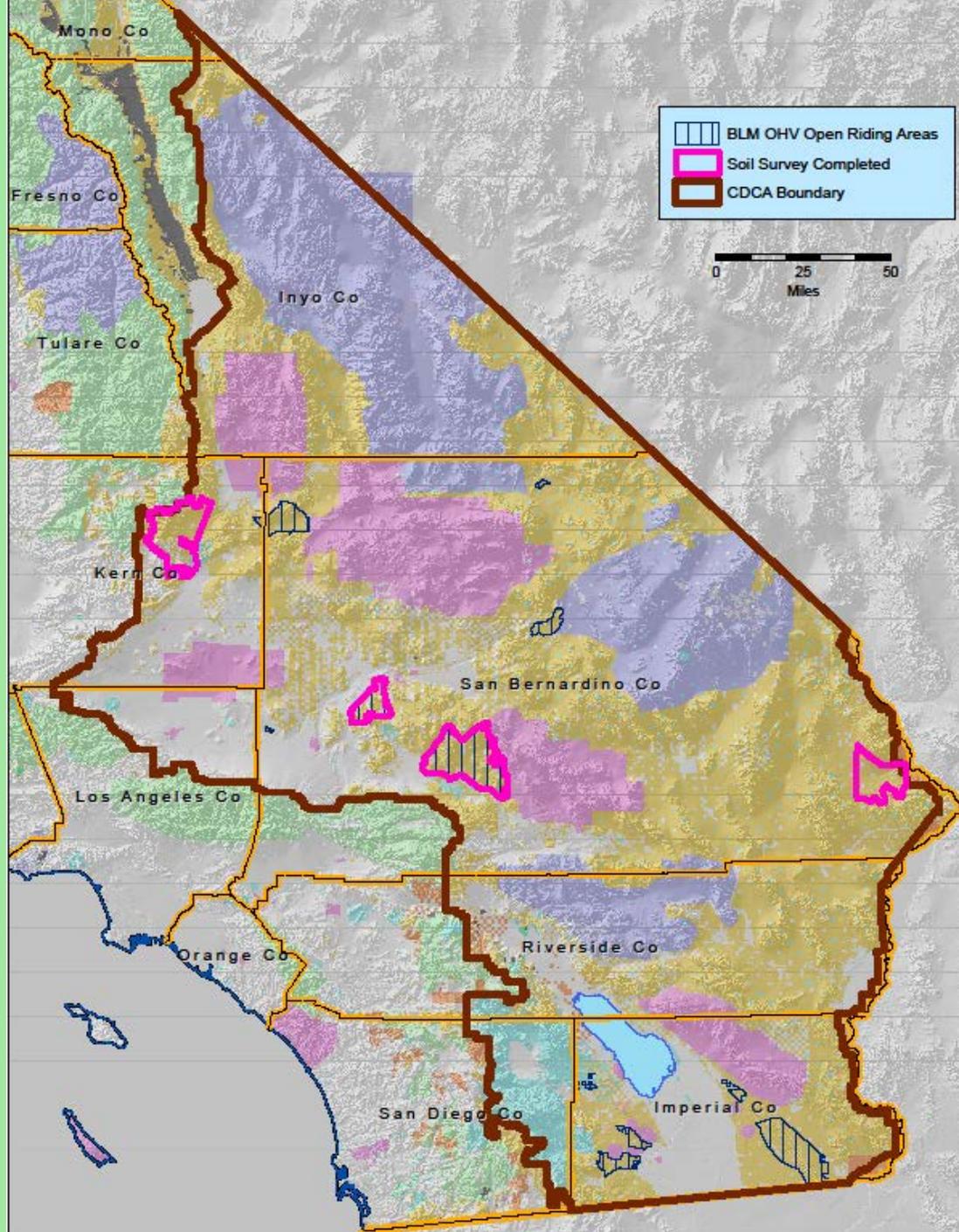
2012

38 Million Californians



SOIL SURVEYS

COMPLETE

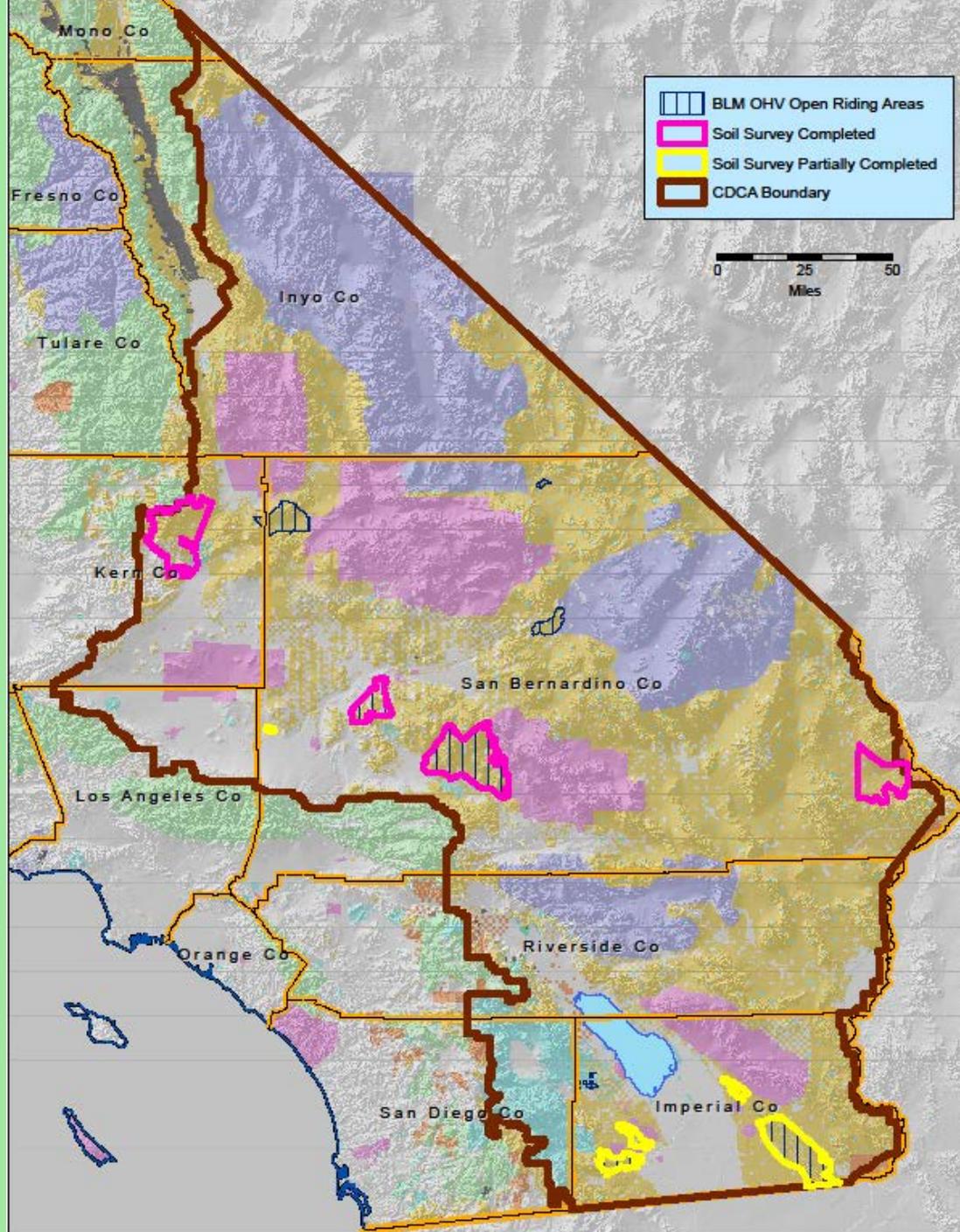


SOIL SURVEYS

COMPLETE

PARTIALLY

COMPLETE

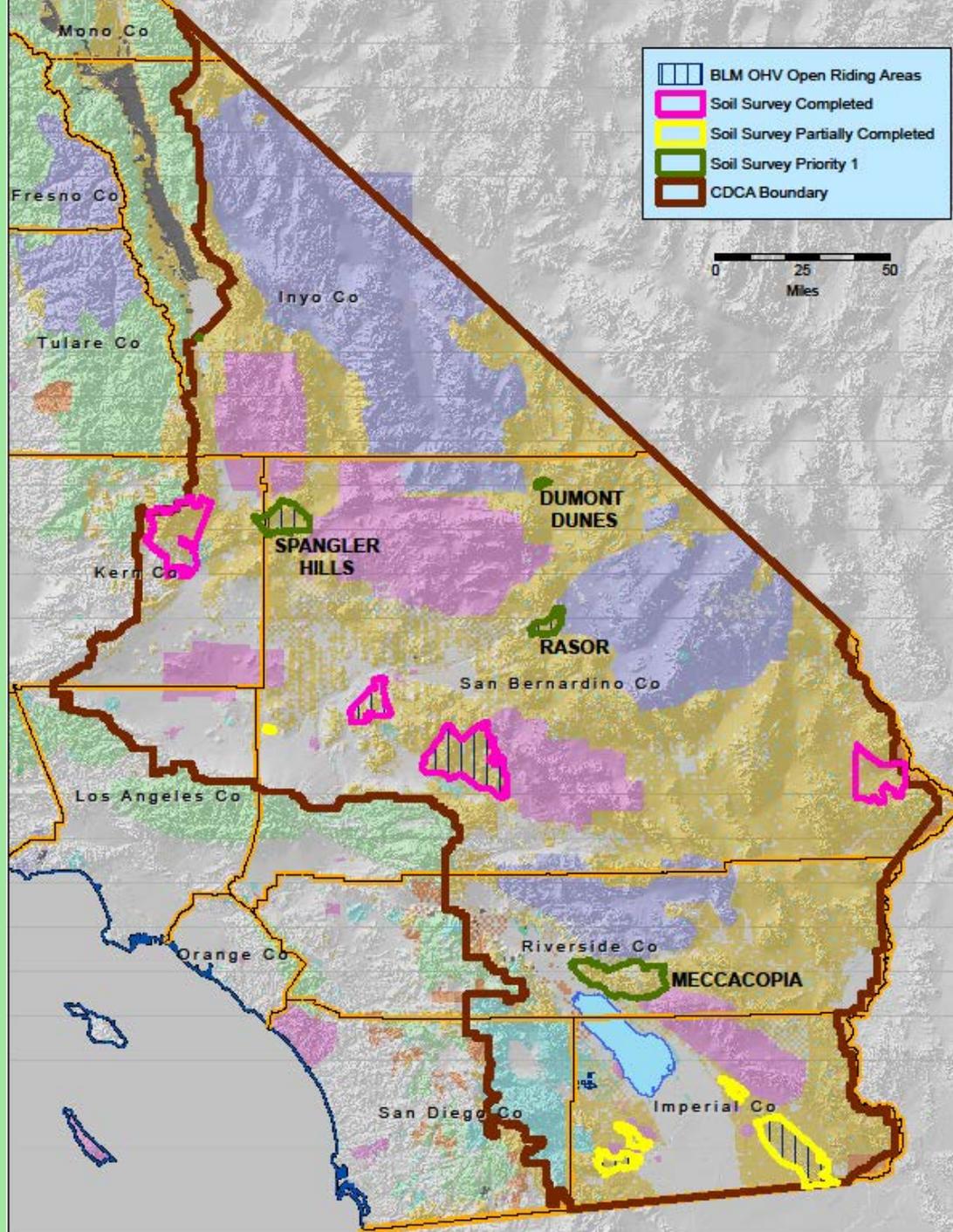


SOIL SURVEYS

COMPLETE

PARTIALLY
COMPLETE

PRIORITY 1



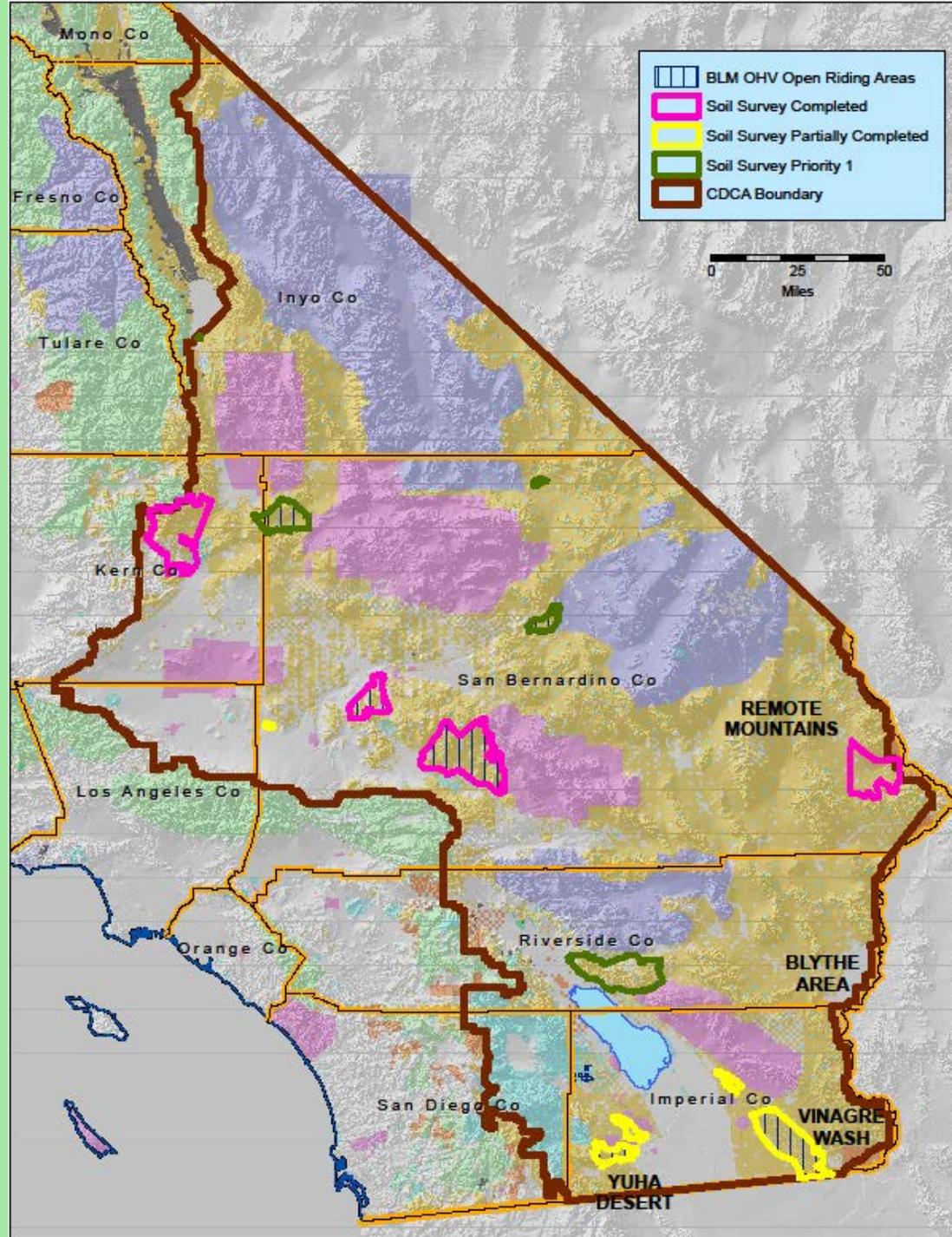
SOIL SURVEYS

COMPLETE

**PARTIALLY
COMPLETE**

PRIORITY 1

STRATEGIC



Soil Survey Interpretations for OHV Recreation Management

Clear Creek Management Area



FLOMACK SOILS



ASBESTOS EXPOSURE



Risk Criteria for ATV Riders

ELEMENT	MG / KG SOIL
Antimony	750
Arsenic	300
Cadmium	950
Lead	1000
Mercury	550

SOURCE: Ford, KL. 2004, rev. Risk Management Criteria for Metals at BLM Mining Sites

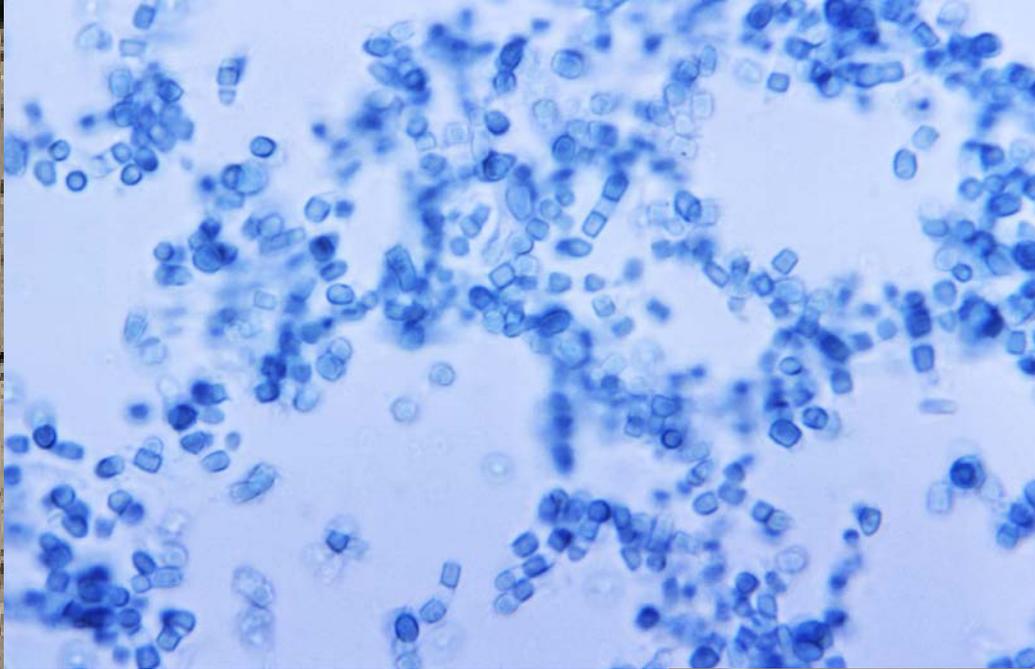


MEDICAL GEOLOGY



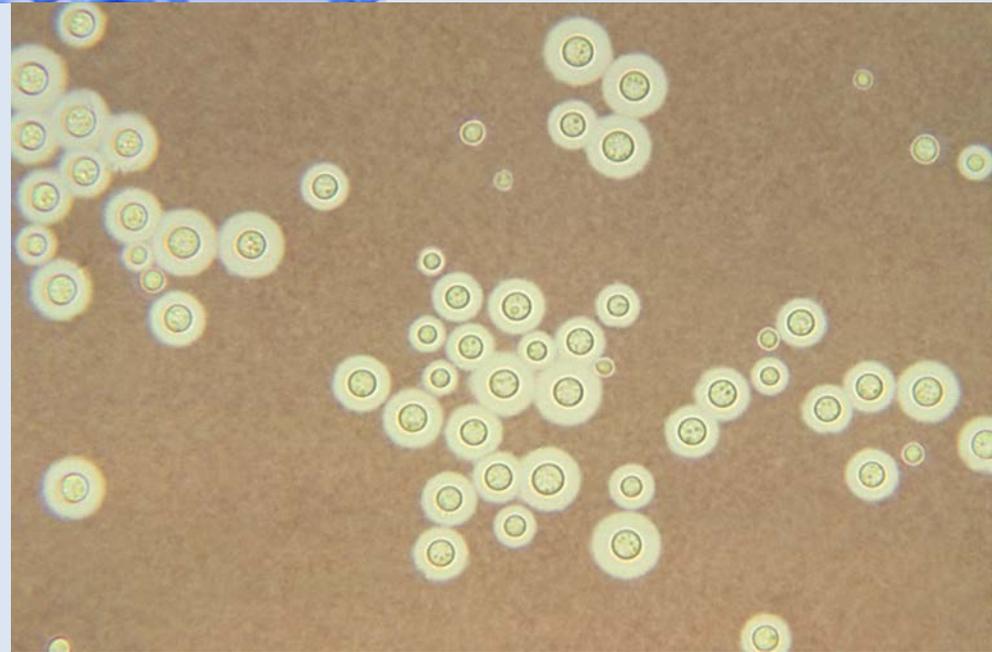
ARSENIC EXPOSURE

MEDICAL MYCOLOGY



Coccidioides immitis

Cryptococcus
spp.



EXPOSURE TO SOIL PATHOGENS



HYDRIC SOILS





WILDLIFE HABITAT



Couch's Spadefoot

© Jeff Servoss



Colorado Desert Fringe-toed Lizard



Flat-tailed Horned Lizard

SPECIES of CONCERN in OHV AREAS



Mohave Ground-Squirrel

Ecological Site Descriptions for Soil Restoration in OHV Recreation Sites



HUNGRY VALLEY SVRA



**Middle Wall 1999
West Facing Slope**

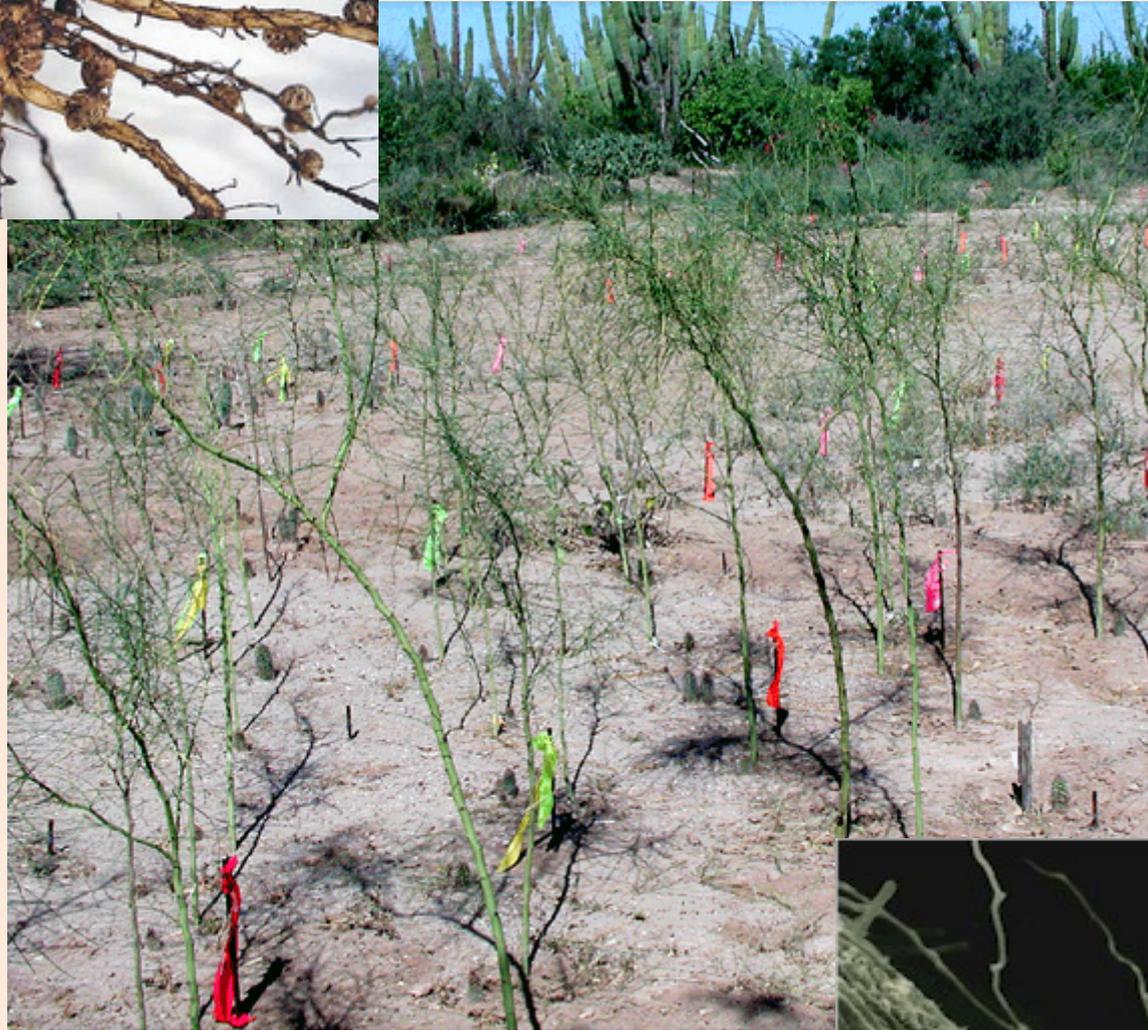


**Middle Wall 2005
West Facing Slope**

CRYPTOBIOBIC CRUSTS



Azospirillum brasiliense



Glomus spp.



QUESTIONS

SPECIAL
THANKS
TO

