



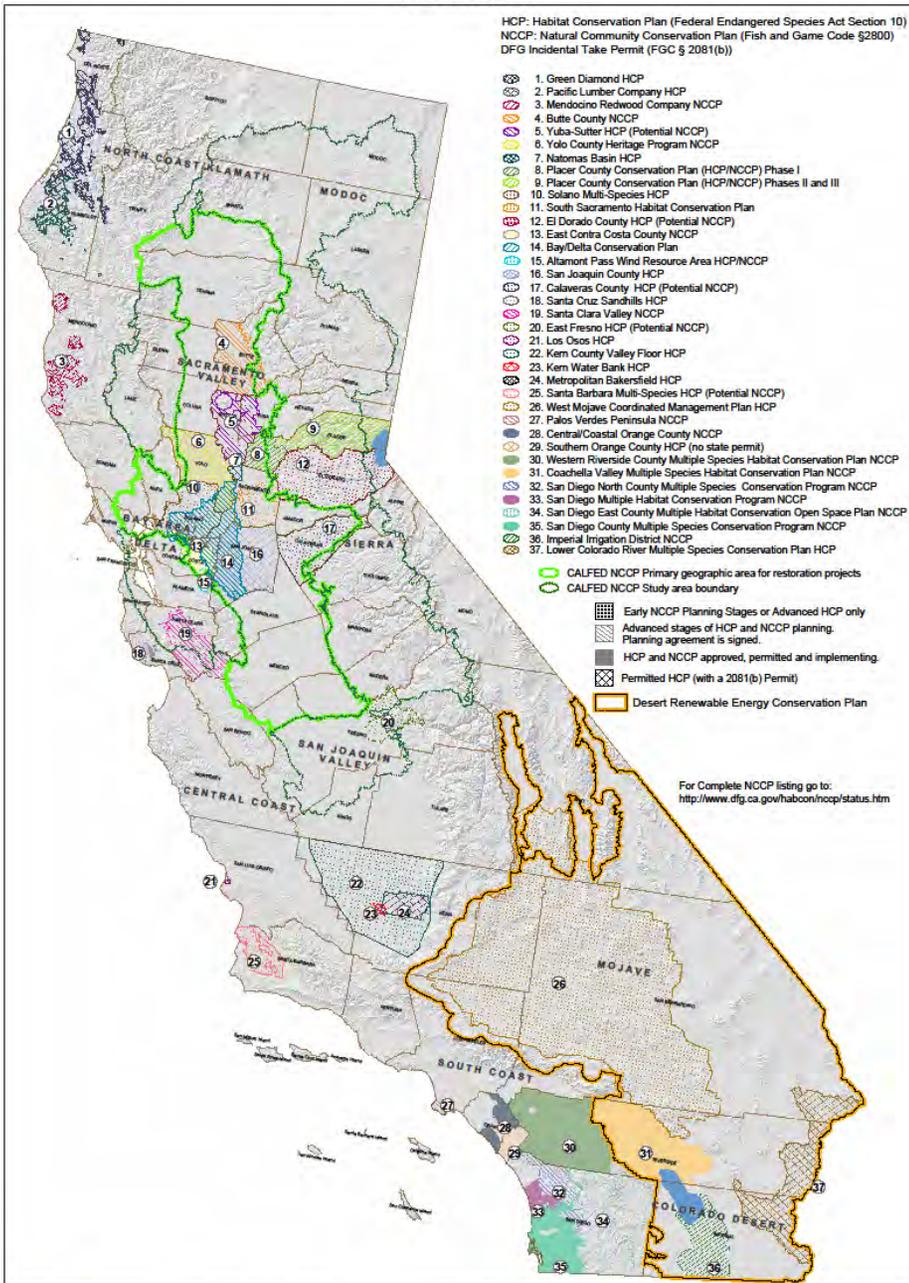
DESERT RENEWABLE ENERGY CONSERVATION PLAN

Desert Renewable Conservation Plan (DRECP) Overview

May 10, 2012

CALIFORNIA REGIONAL CONSERVATION PLANS

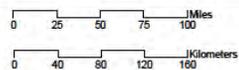
DECEMBER 2009



DRECP is a Natural Community Conservation Plan (NCCP) a Habitat Conservation Plan (HCP), and a Land Use Plan Amendment (LUPA) for BLM public lands

39 NCCP Plans Development and Implementation in California

DRECP is the Largest, approximately 22 million acres of public and private lands



1:3,057,311

Habitat plans are in various stages of review, and subject to change. In some cases, boundaries have not been established by participants, and are estimated locations.
 Data Sources: Biologists/California Department of Forestry and Fire Protection (1992), Conservation Planning Areas California Department of Fish and Game, U.S. Fish and Wildlife Service, Bureau of Land Management, CALFED Bay-Delta Program, Mendocino Redwood Company, San Diego Association of Governments, and Coachella Valley Association of Governments.
 Projection: Transverse Mercator, NAD83, WHEDB/LIGHTS/SON 13117/09



Mojave and Colorado Desert in California

All or a portion of 7 Counties:

- Inyo
- Kern
- San Bernardino
- Los Angeles
- Riverside
- Imperial
- San Diego



DESERT RENEWABLE ENERGY CONSERVATION PLAN

Project and Developer Benefits to Operation of the DRECP:

- CESA – ESA Certainty of Mitigation Requirements for Projects Affecting T&E Species; Project Costs for Biological Mitigation Identified Up Front
- Mitigation and Monitoring Costs and Responsibilities Identified for Entire Permit Term
- Plan Development and Implementation in Partnership with State and Federal Agencies Reduces Individual Project Costs
- Project Permitting Timeline Reduced Significantly
- Project Environmental Review Complete, or Subsequent Timelines Reduced Significantly



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Environmental and Agency Benefits to Operation of the DRECP:

- Regional Biodiversity (Habitats, Species, Ecological Processes) Conserved on a Sustainable Basis
- Assist in Species Recovery; Prevent Future Species Listings
- Increased Biological Effectiveness of Project Mitigation
- Plan Development and Implementation in Partnership with Industry and Developers Reduces Conservation Costs
- Agency Workloads for Individual Project Permitting and Environmental Reviews Reduced Significantly



DRECP Progress:

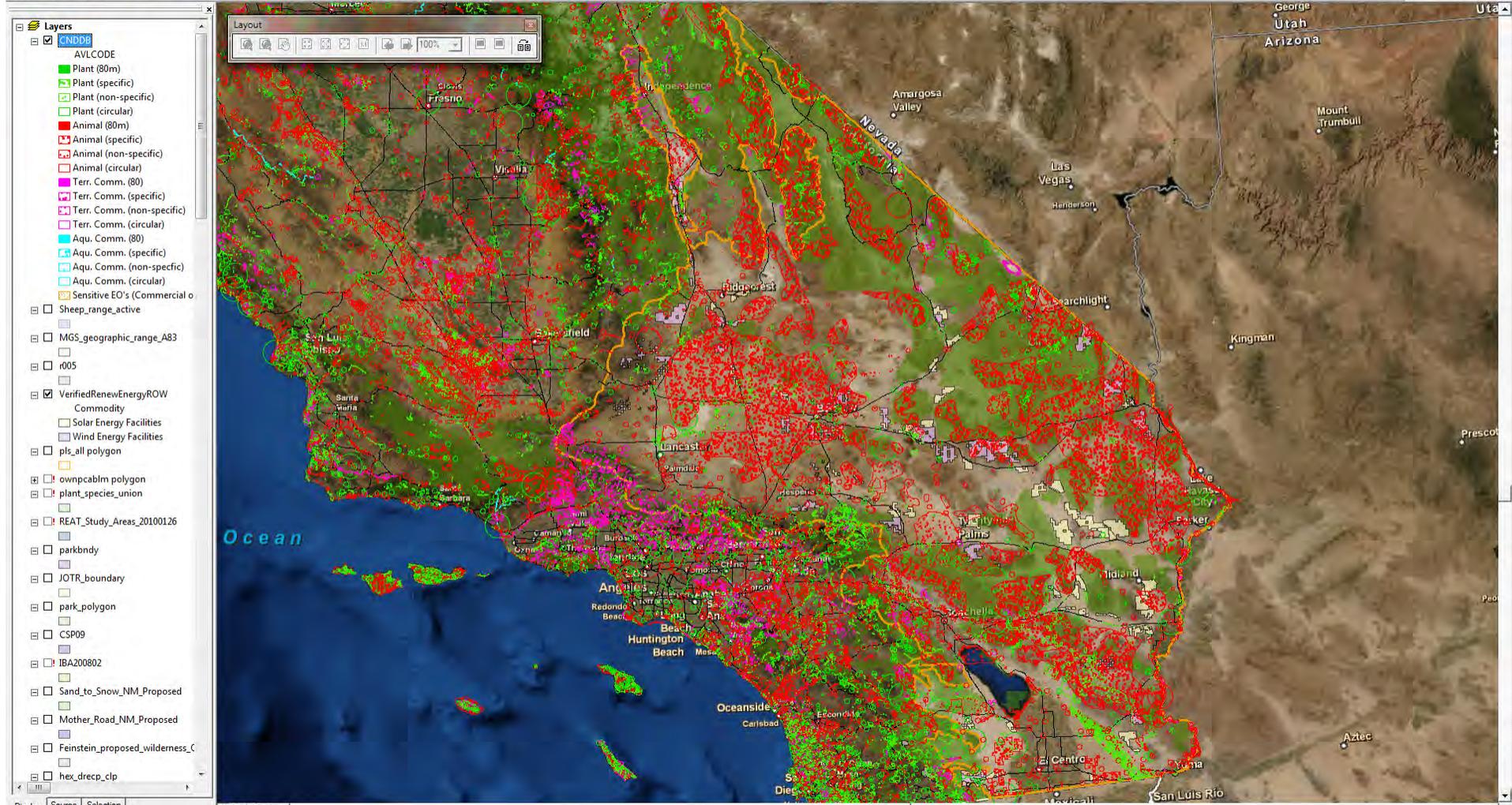
- Develop an initial set of alternatives for conservation and development scenarios.
- Identify Initial Renewable Energy Zones – preferred areas of development with lower biological value.
- Identify corresponding areas for species conservation to provide offset for project impacts.
- Develop and implement coordinated permitting and incentives for Initial renewable energy zones.



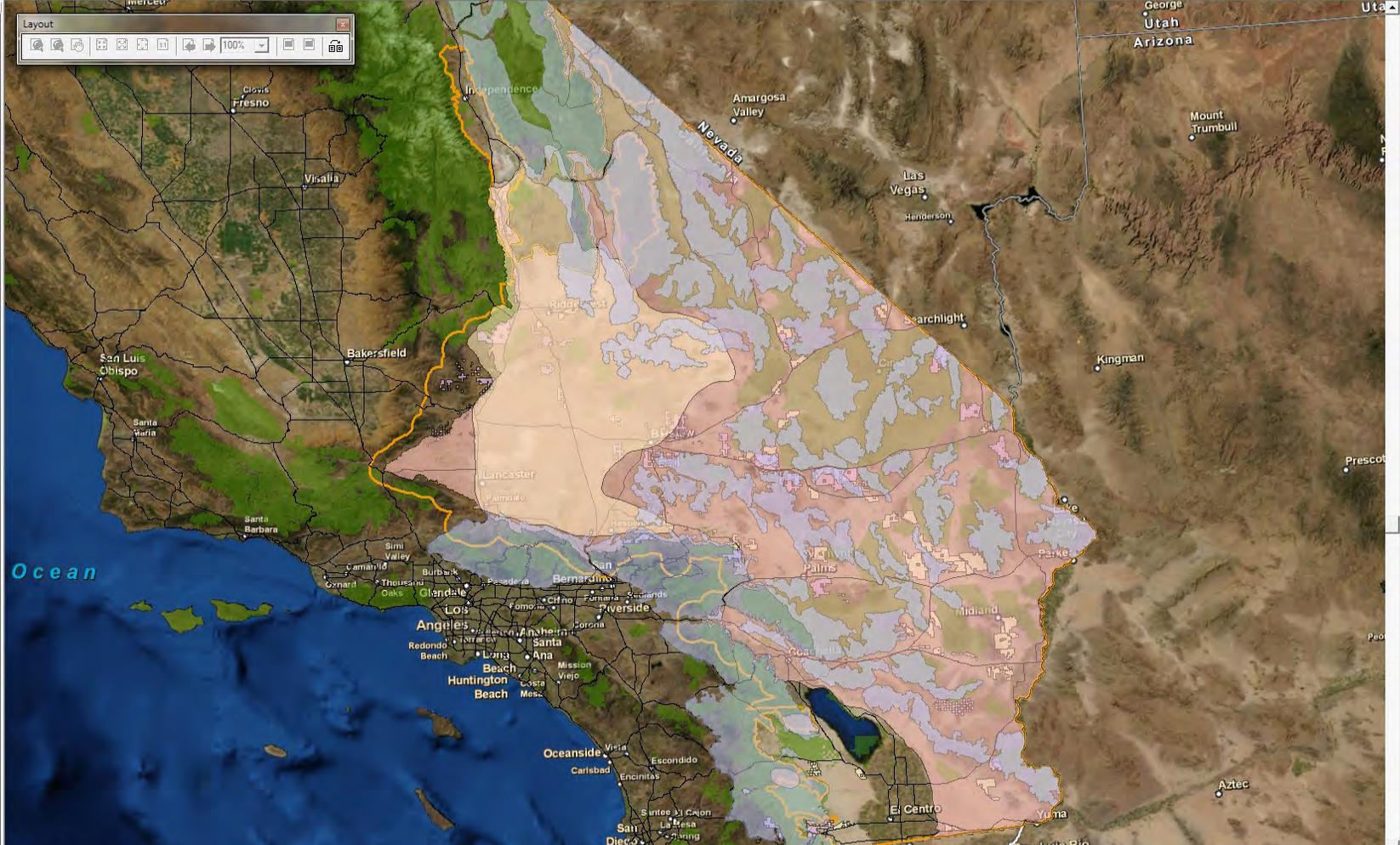
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Data Assessed:

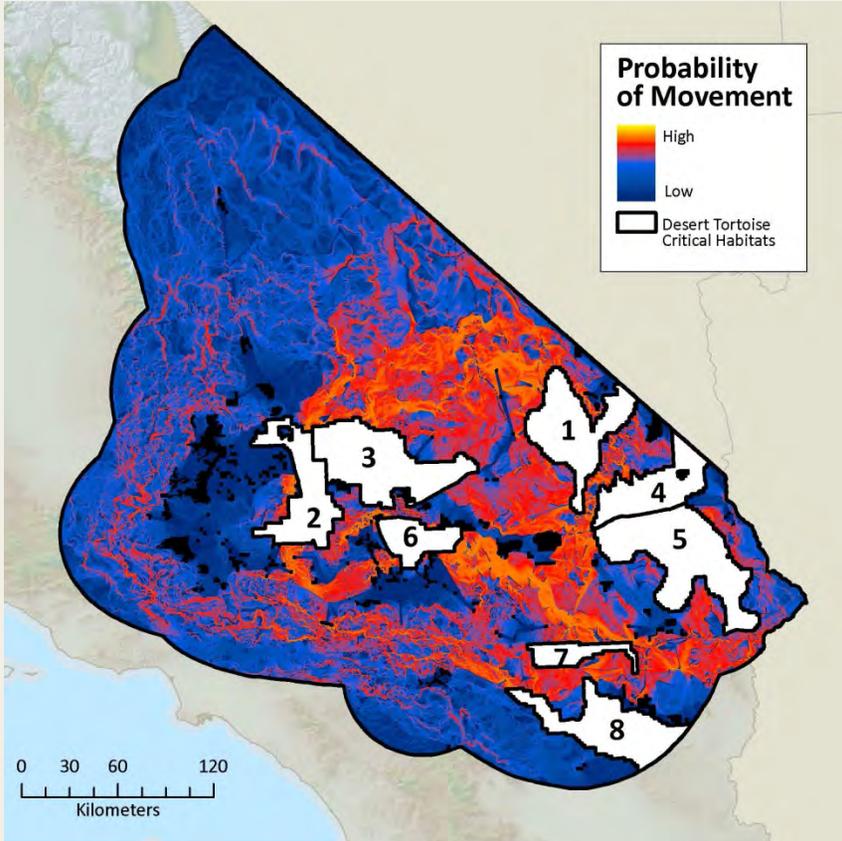
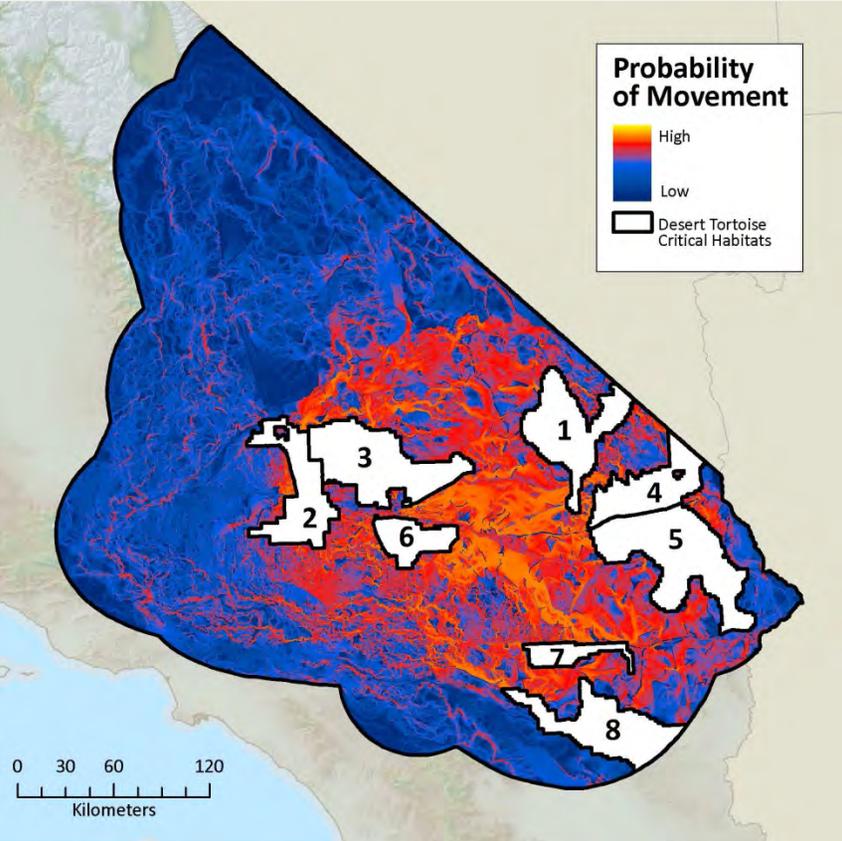
- Criteria used to identify potential areas for utility-scale solar, wind and geothermal development
 - Quality of resource
 - Slope
 - Proximity to roads and transmission
 - Conservation value of the land



- Layers
- CNDDDB
- AVLCODE
 - Plant (80m)
 - Plant (specific)
 - Plant (non-specific)
 - Plant (circular)
 - Animal (80m)
 - Animal (specific)
 - Animal (non-specific)
 - Animal (circular)
 - Terr. Comm. (80)
 - Terr. Comm. (specific)
 - Terr. Comm. (non-specific)
 - Terr. Comm. (circular)
 - Aqu. Comm. (80)
 - Aqu. Comm. (specific)
 - Aqu. Comm. (non-specific)
 - Aqu. Comm. (circular)
- Sensitive EO's (Commercial o
- Sheep_range_active
- MGS_geographic_range_A83
- r005
- VerifiedRenewEnergyROW
 - Commodity
 - Solar Energy Facilities
 - Wind Energy Facilities
- pls_all polygon
- ownpcablm polygon
- plant_species_union
- REAT_Study_Areas_20100126
- parkbndy
- JOTR_boundary
- park_polygon
- CSP09
- IBA200802
- Sand_to_Snow_NM_Proposed
- Mother_Road_NM_Proposed
- Feinstein_proposed_wilderness_C
- hex_drcp_clp



Desert Tortoise



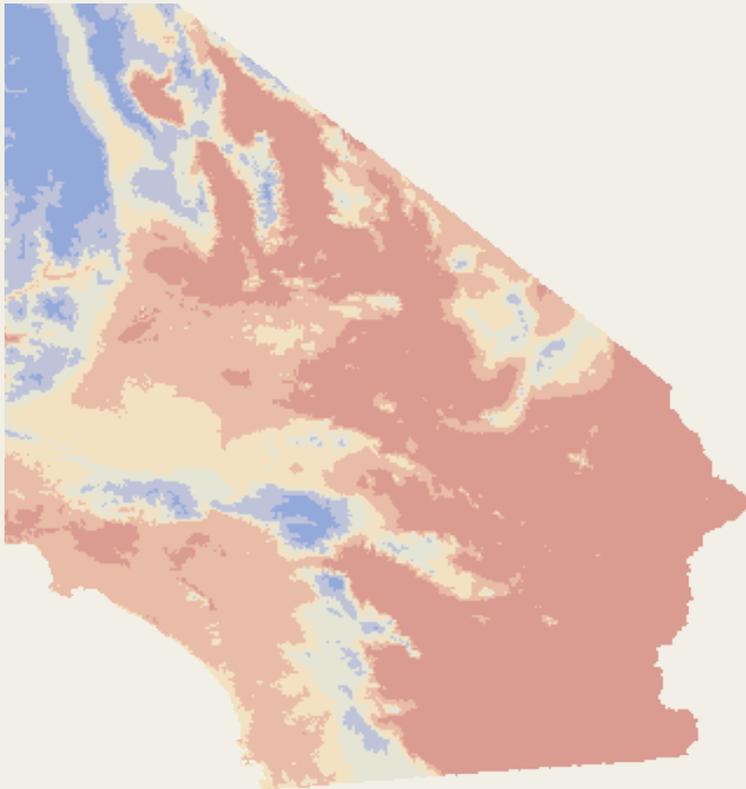
Project Members: Lucas Bare, Tessa Bernhardt, Toby Chu, Christopher Noddings, Melissa Gomez, Milena Viljoen,
Project Advisor: Lee Hannah

Cumulative Impacts of Large-scale
Renewable Energy Development in the West Mojave
Effects on habitat quality, physical movement of species, and gene flow

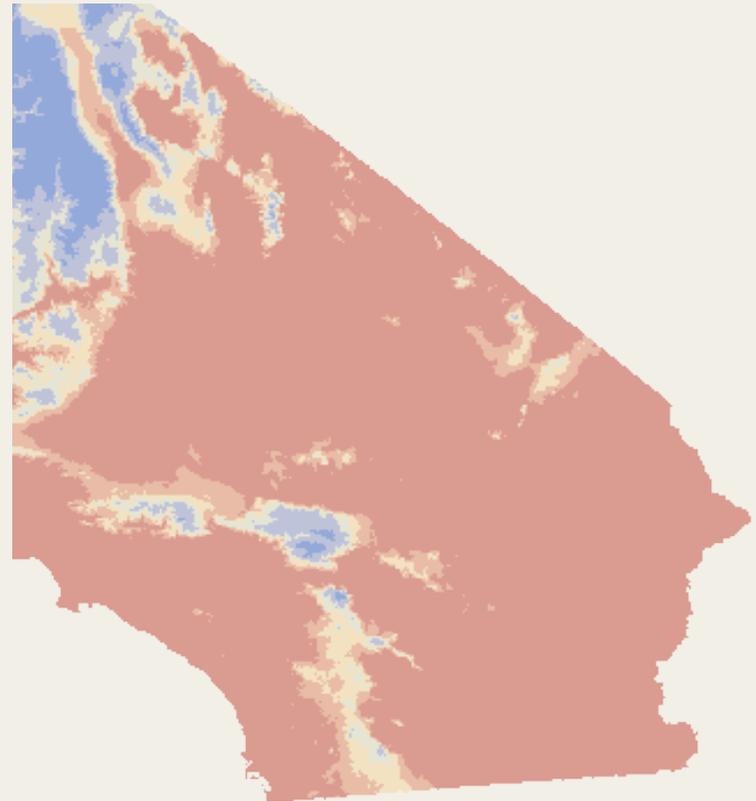
ON THE WEB AT [HTTP://WWW.BREN.UCSB.EDU/~WESTMOJAVE](http://www.bren.ucsb.edu/~westmojave) SPRING 2009

Climate – Annual Mean Temperature

Projected Current Climate

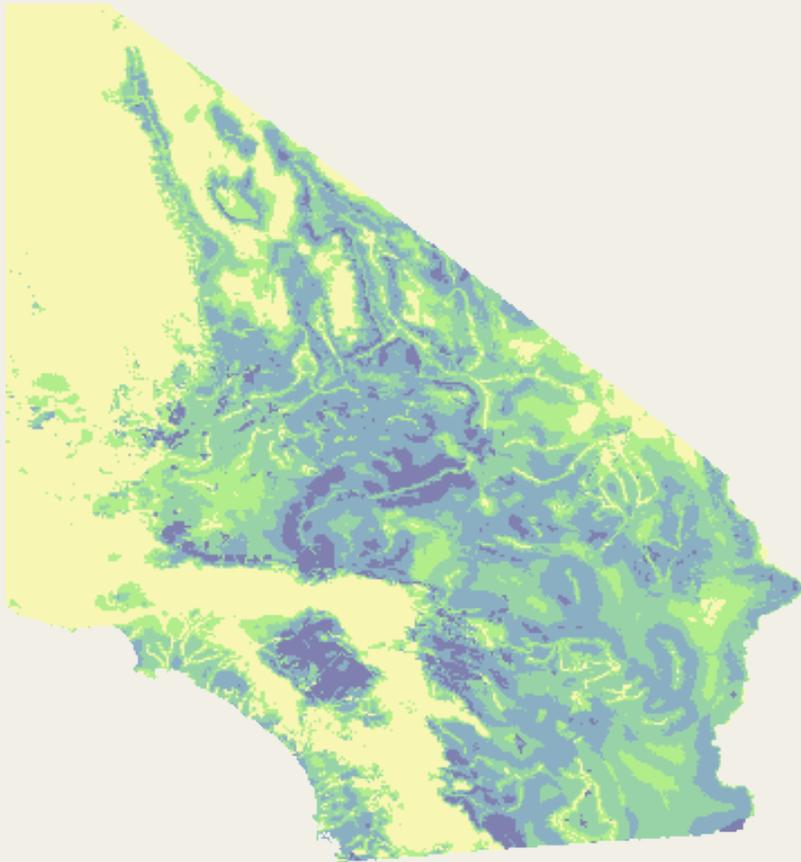


Projected Future Climate

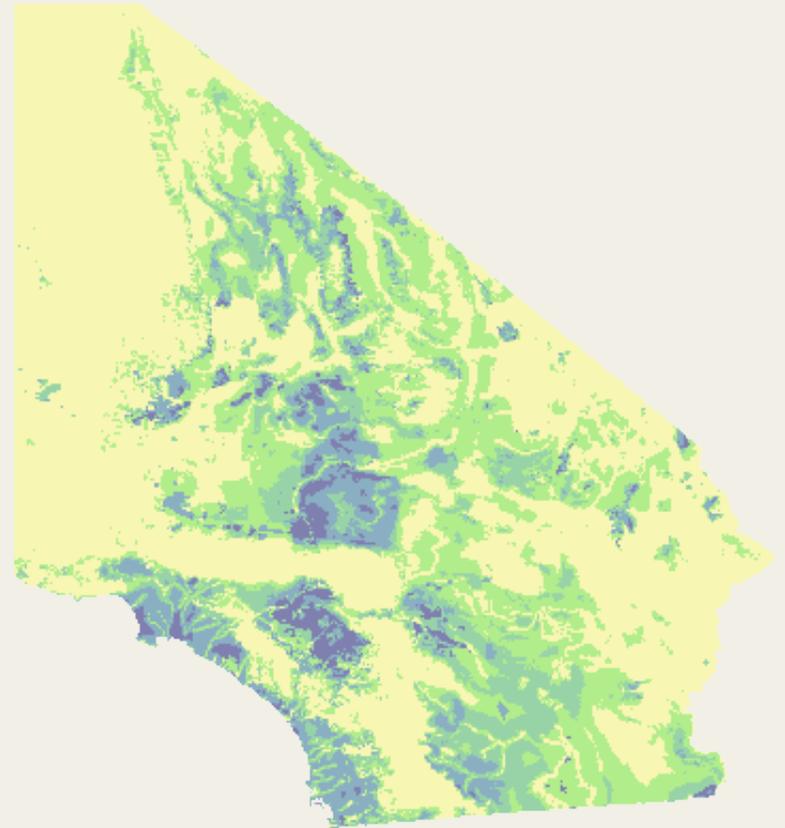


Cactus Wren

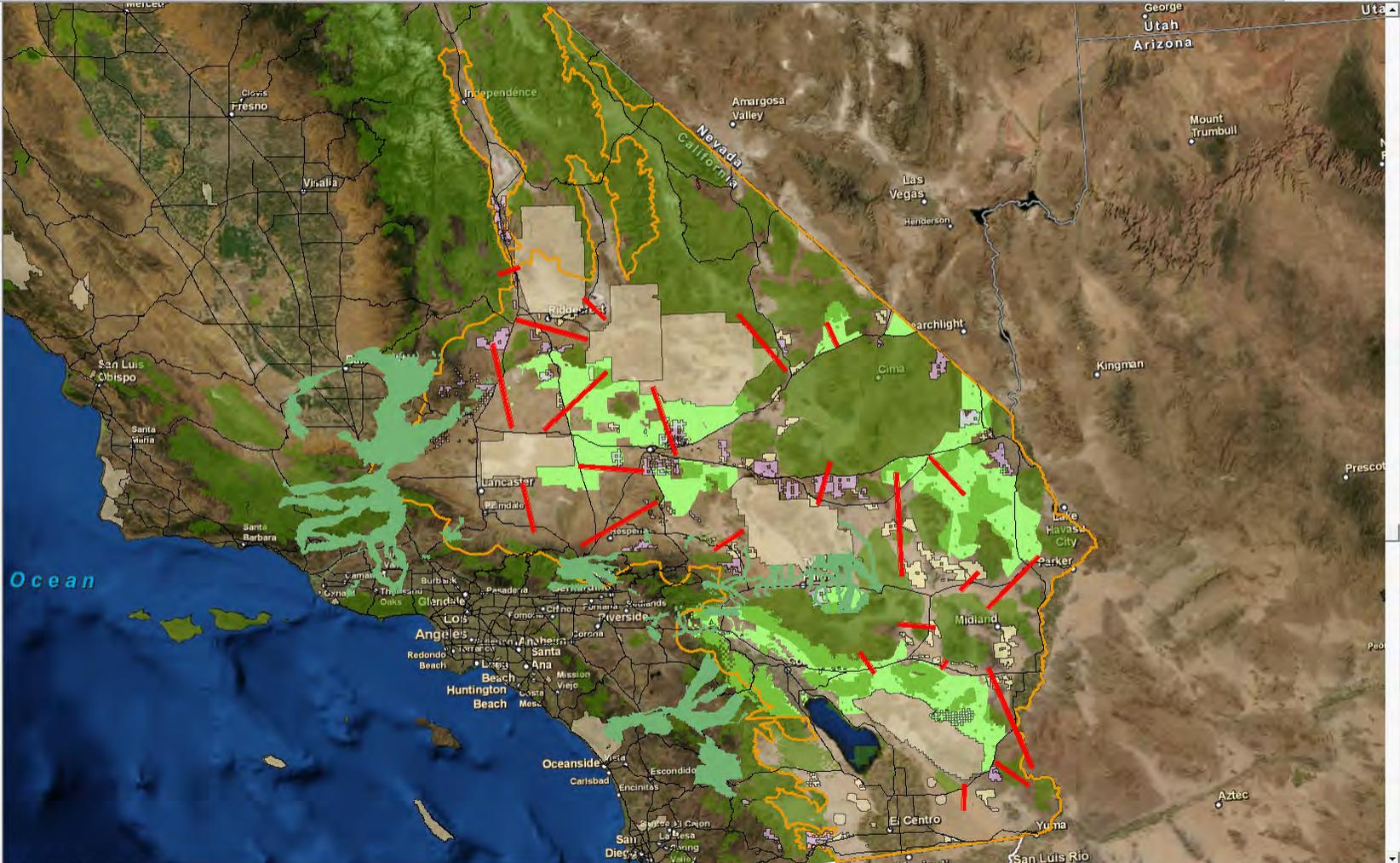
Projected Current Distribution



Projected Future Distribution



- Layers
- TargetLinkages
- DFG_Conservation_Areas2010012
- SCML_LinkageDesigns
- TargetAreas
- dfg_capps_lae_2003_prior
- dfg_capps_lae_2003_to_present
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15 Non-Biological Issues Addressed*

- Agricultural Land & Production
- Air Quality & Attainment Status
- Climate Change Predictions
- Cultural Resources - Historic and Pre-historic
- DOD Military Operations
- Flood Hazard , Hydrology, & Drainage Areas
- Groundwater & Water Supply
- Meteorology & Climate Data
- Native American Traditional Land Uses
- Noise
- Outdoor Recreation
- Planned Land Uses & Policies
- Public Safety Services
- Socioeconomics & Environmental Justice
- Visual Resources

*Some topics are also relevant to biological issues.



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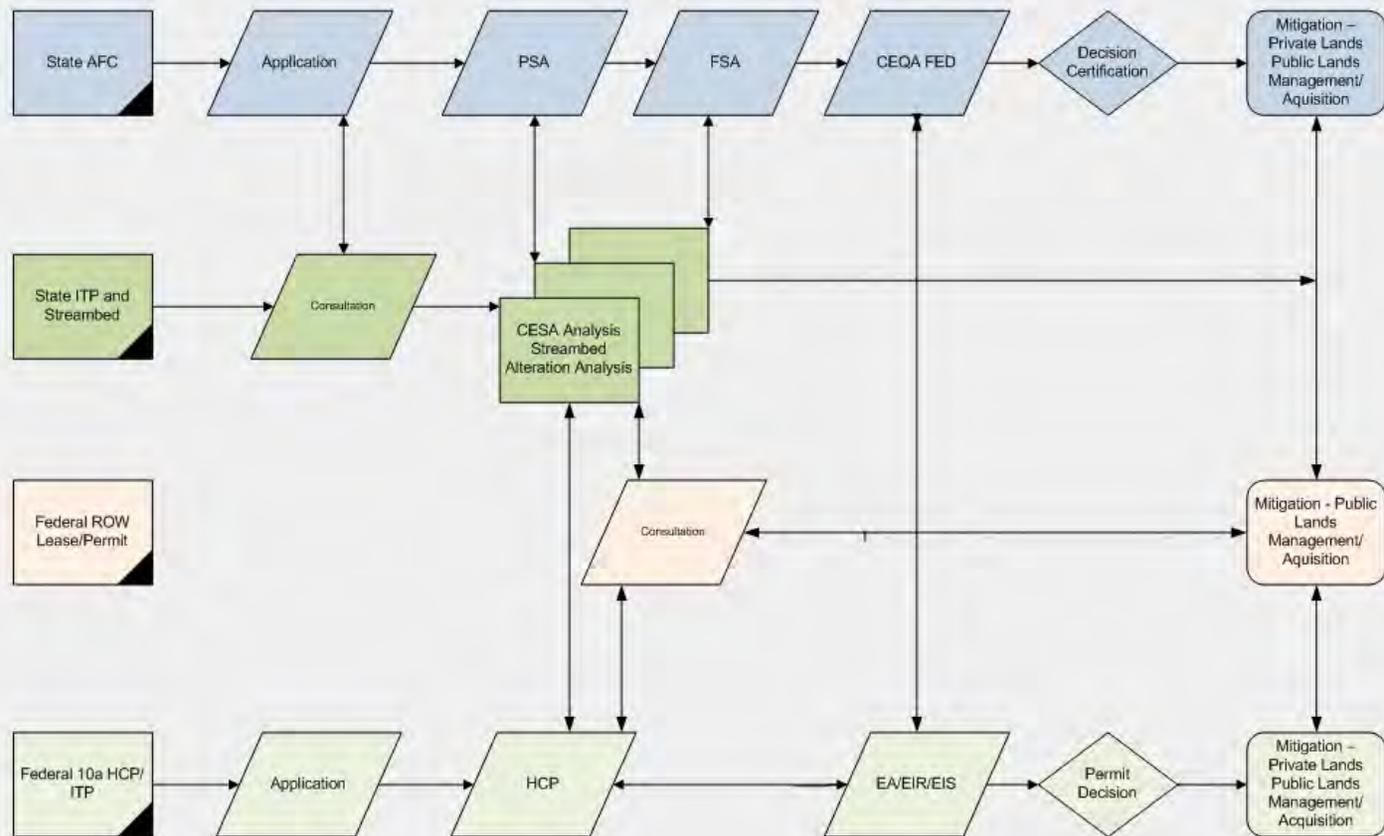
The Desert Renewable Energy Conservation Plan: Challenges

- Integration of, and coordination with, current conservation and planning efforts
- Integration of, and coordination with, current renewable energy and transmission planning efforts
- Desert is fully subscribed with uses
- Meeting complex and evolving conservation objectives over multiple land owners and land uses
- Overcoming multi-agency culture and process impediments to create a seamless and integrated permitting process



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PRIVATE LANDS – CEC JURISDICTIONAL





DESERT RENEWABLE ENERGY CONSERVATION PLAN

PRIVATE LANDS HCP/NCCP CEC JURISDICTIONAL

