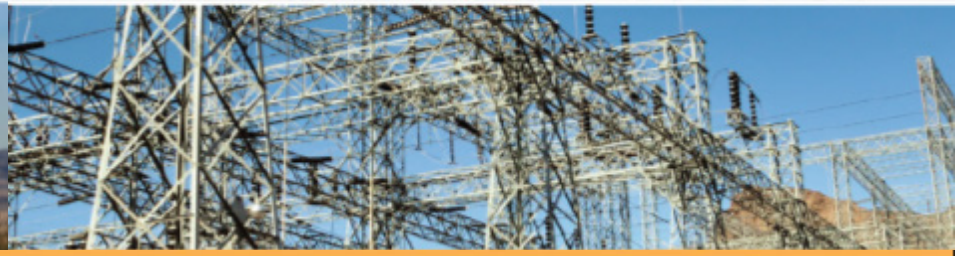


Consideration of Climate Adaption in Renewable Energy Planning and Permitting

Scott Flint
California Energy Commission

General Plan Area Overview

22.5 million acres
7 Counties:

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

Federal and non-federal lands

Introduction to the DRECP

The DRECP:

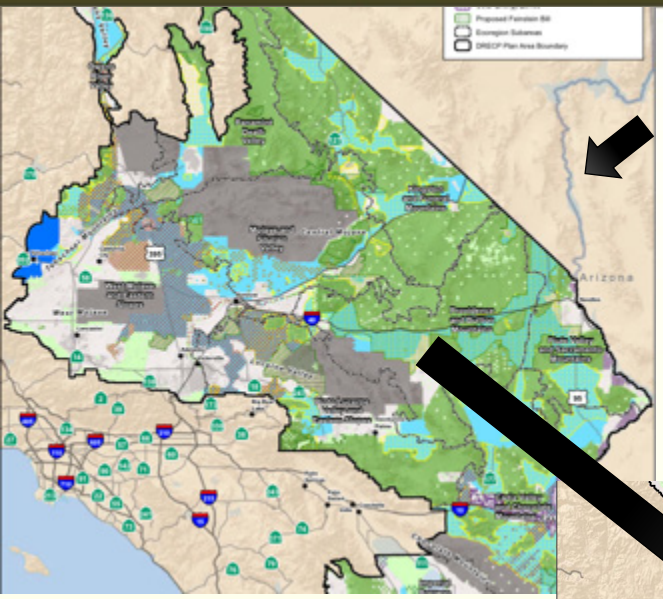
- A long-term adaptable plan
- Conserves sensitive species
- Conserves other resources
- Streamlines renewable energy project review and approval

The DRECP will …

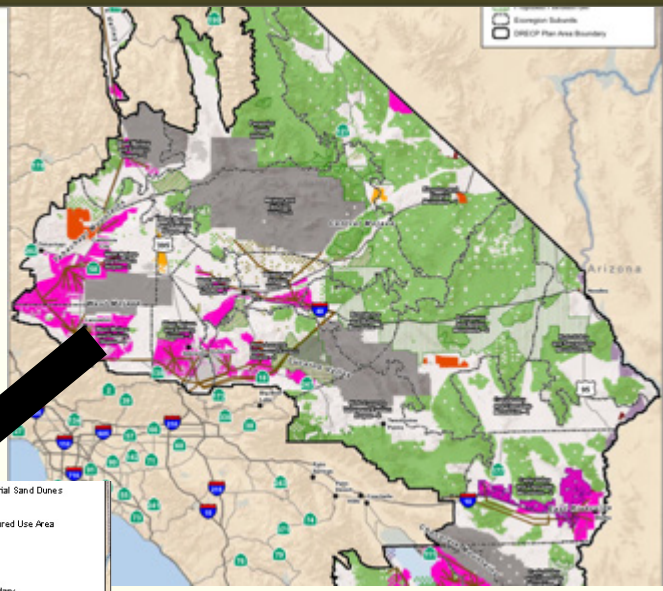
- Help California and the nation meet renewable energy and greenhouse gas emission reduction goals.
- Identify areas appropriate for renewable energy development and coordinate state and federal environmental review and permitting process.
- Identify conservation areas for sensitive cultural resources, plant and wildlife species and provide a framework for adaptive management in the face of climate change.

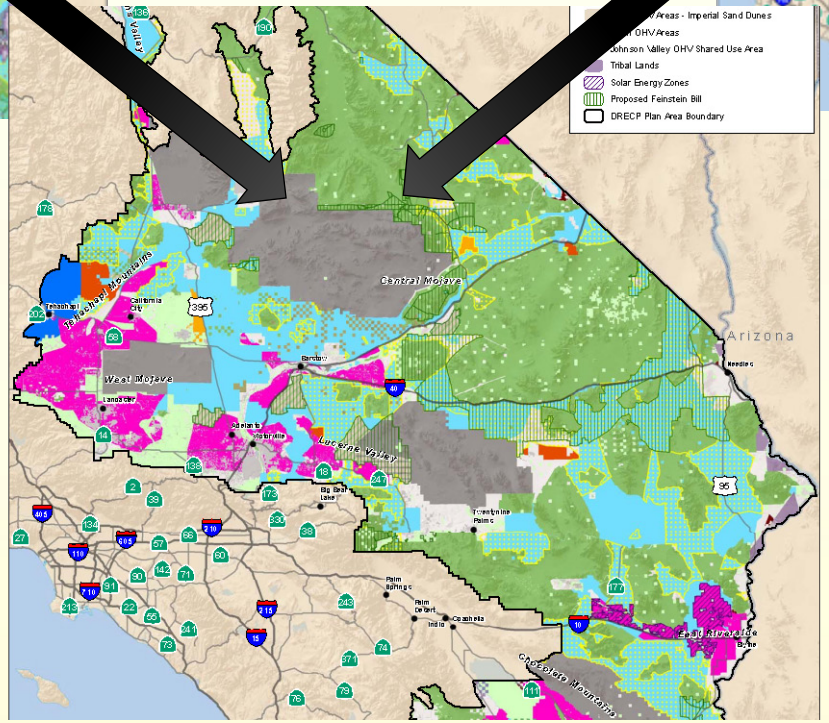
Introduction to the DRECP

DESERT RENEWABLE ENERGY CONSERVATION PLAN



- Plan-wide Conservation
- Footprint
- Plan-wide Renewable Energy Development Footprint



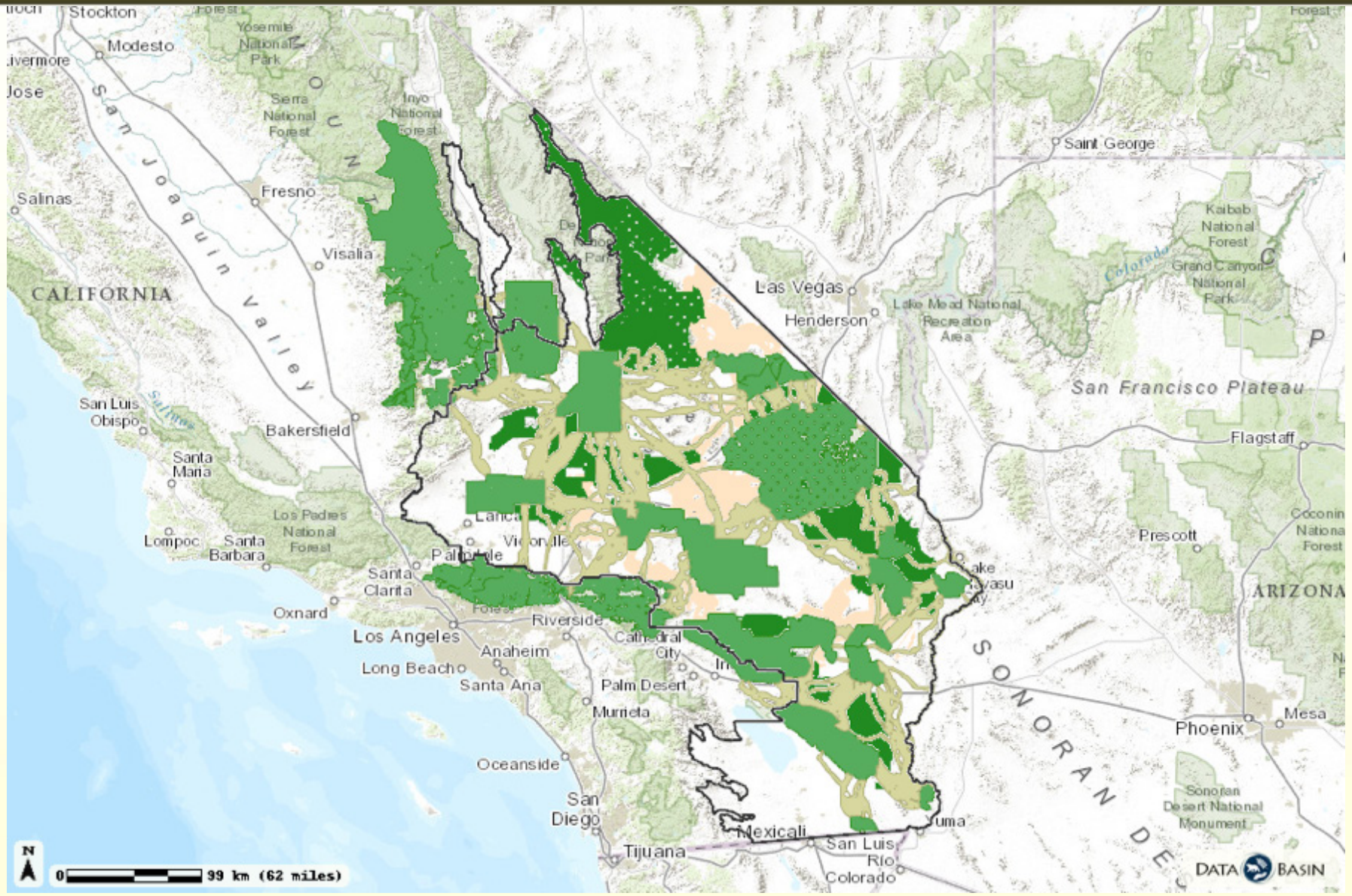


- Development Focus Areas
- Conservation/Reserve Framework

- Existing Conservation
- BLM Conservation Lands
- Conservation Planning Areas

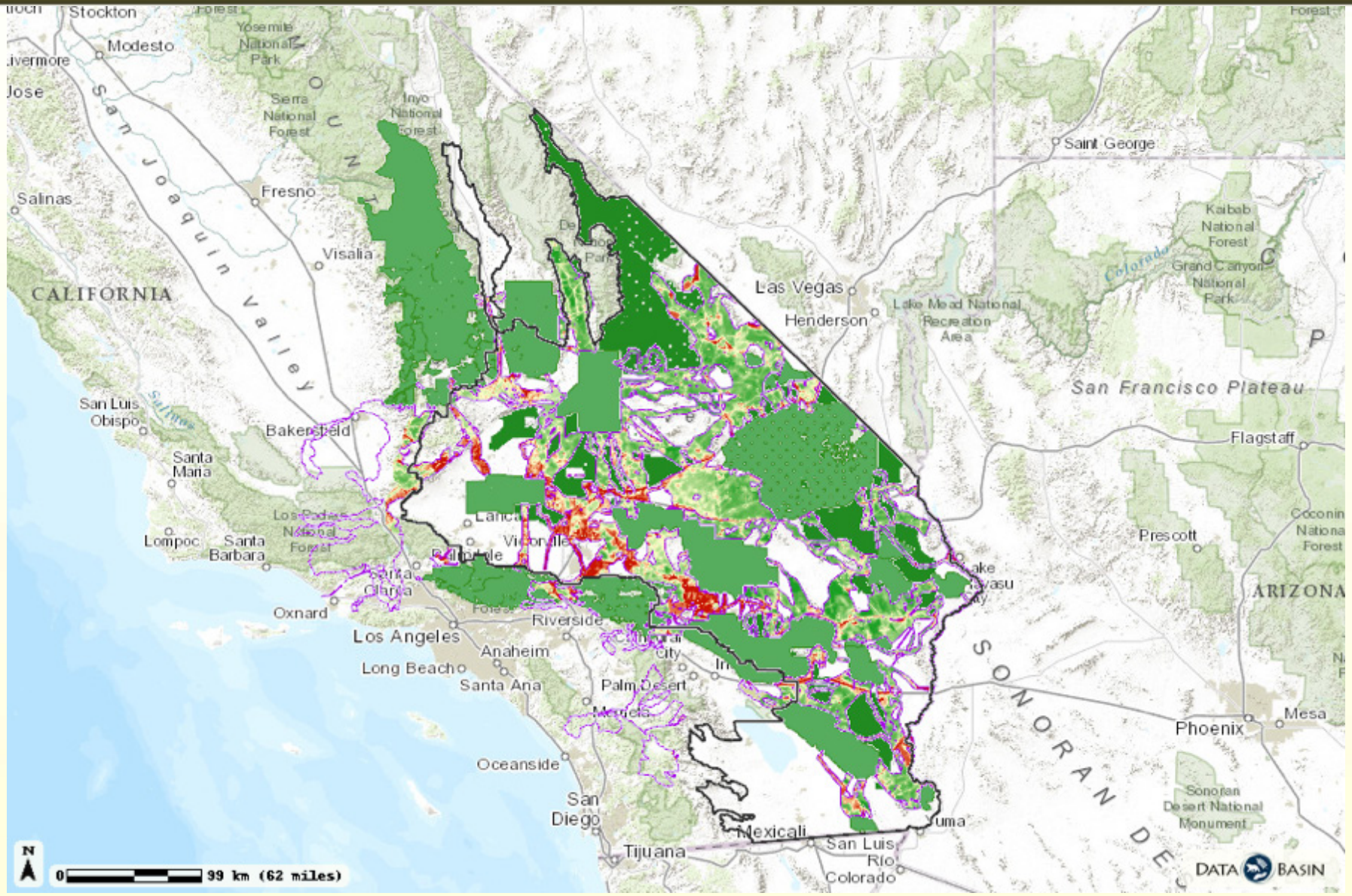
DRECP Linkage and Connectivity

DESERT RENEWABLE ENERGY CONSERVATION PLAN

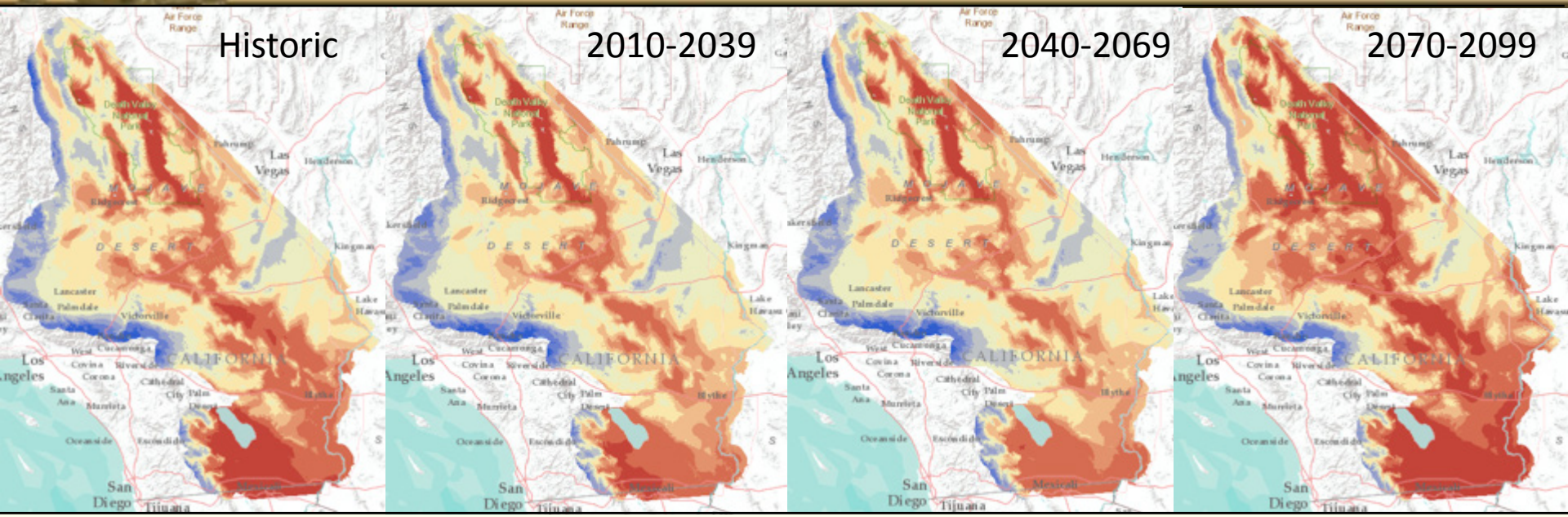


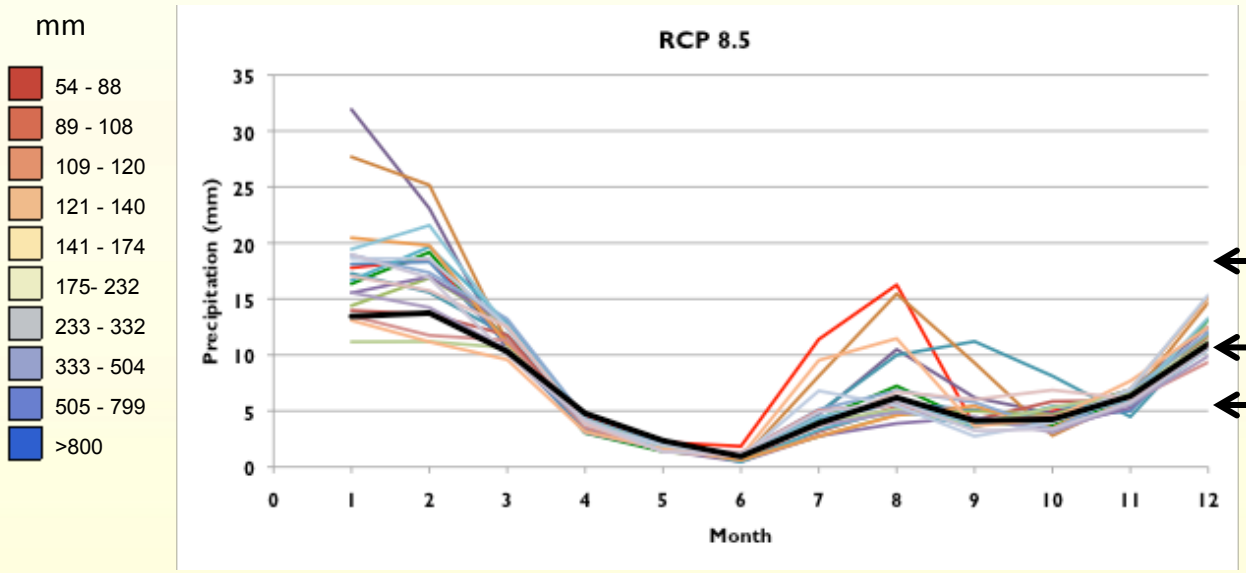
DRECP Linkage Condition

DESERT RENEWABLE ENERGY CONSERVATION PLAN



Climate Change – Annual Precipitation





Wetter Forecasts

Historic

Drier Forecasts

BETA (v0.98)

DRECP Climate Console

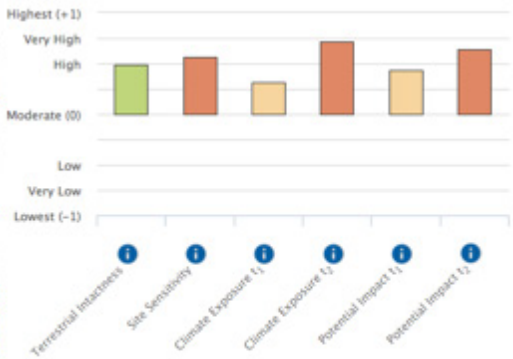
Desert Renewable Energy Conservation Plan

DATA BASIN

Charts | Current Selection | Near-Term Forecast | About

Minimum Temperature | Average | Annual

Description: Within the area selected on the map, the average annual minimum temperature during the historical period from 1971-2000 was 11.63°C. The chart above shows the modeled projections for two future time periods within this same area. Click on any point to display the dataset used to generate the plotted value. Explore Minimum Temperature **variability** within the DRECP study area.



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For more information,
visit: www.drecp.org
databasin.drecp.org

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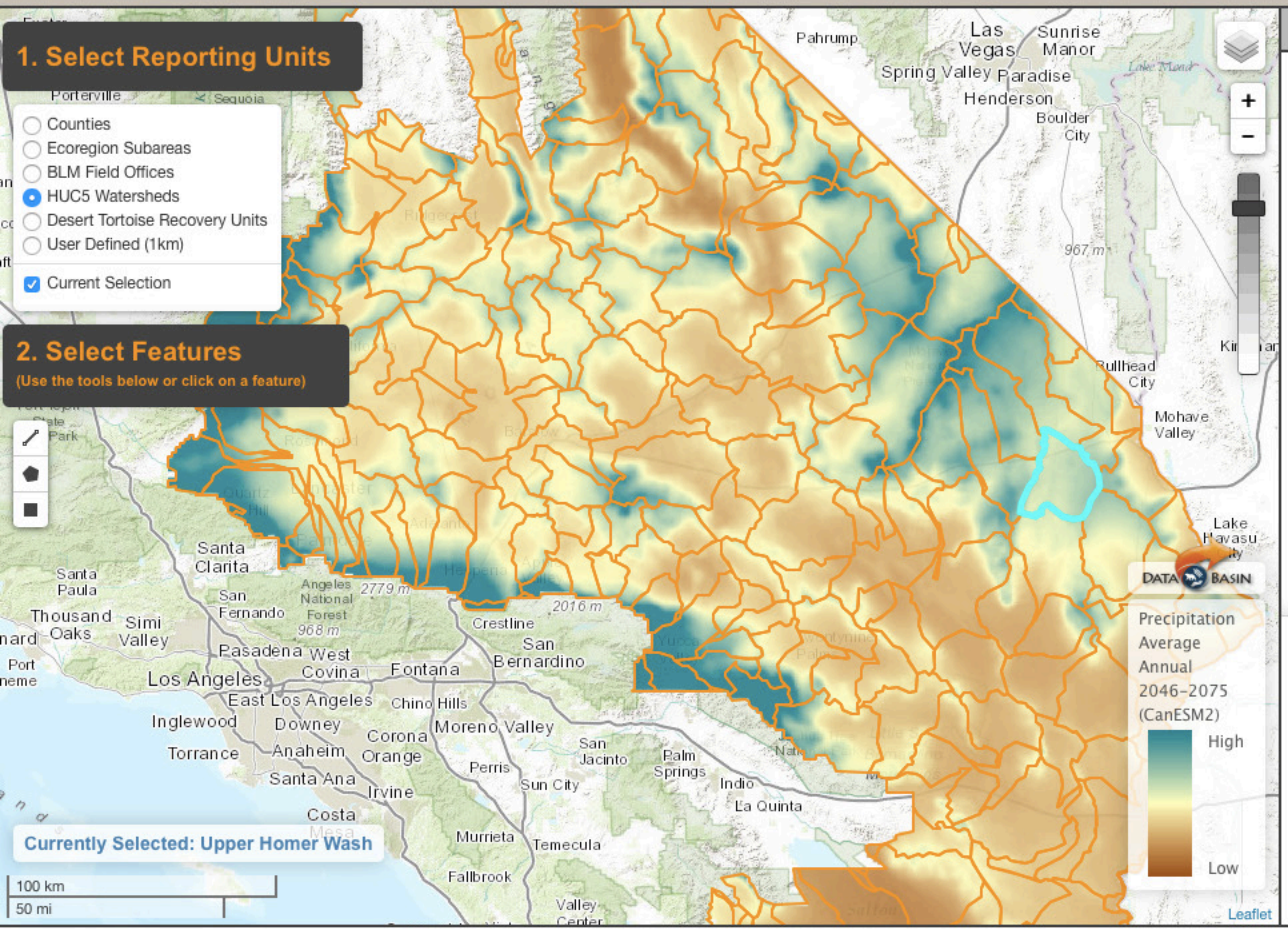
DRECP Climate Console

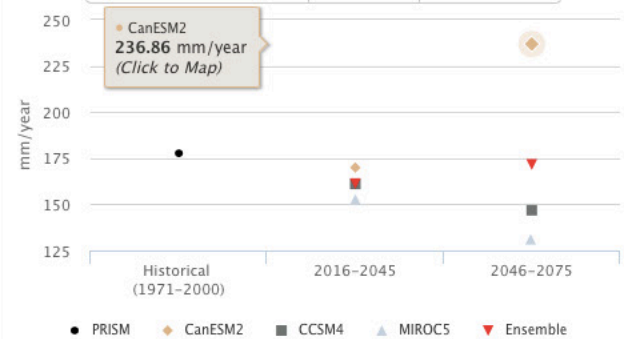
Desert Renewable Energy Conservation Plan

DATA BASIN

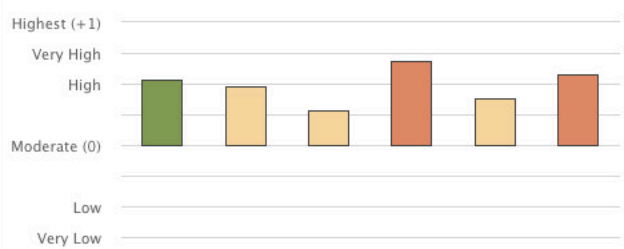


Charts | Current Selection | Near-Term Forecast | About

Precipitation | Average | Annual



Description: Within the area selected on the map, the average annual precipitation during the historical period from 1971–2000 was 177.67mm/year. The chart above shows the modeled projections for two future time periods within this same area. Click on any point to display the dataset used to generate the plotted value. Explore Precipitation **variability** within the DRECP study area.



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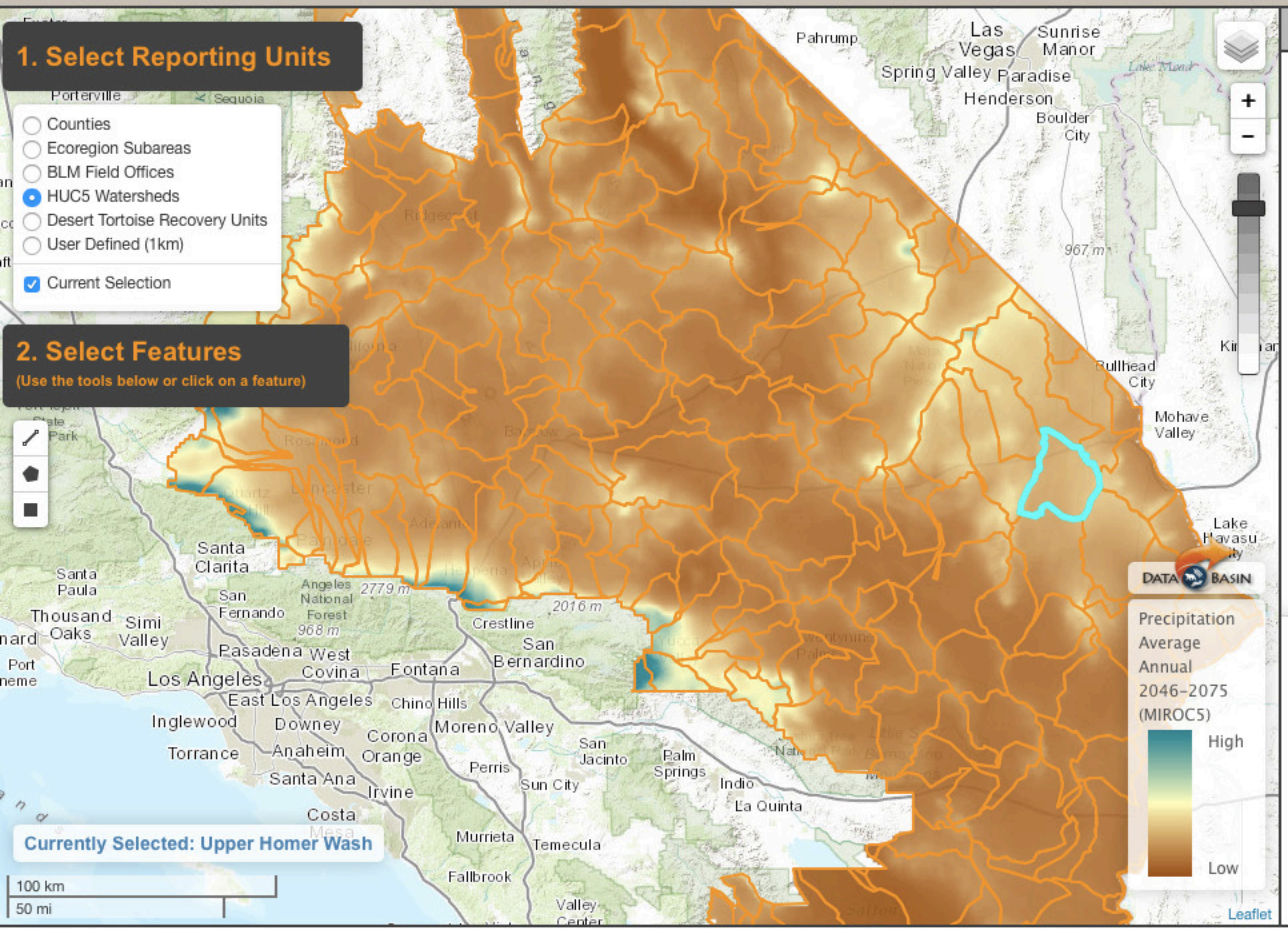
DRECP Climate Console

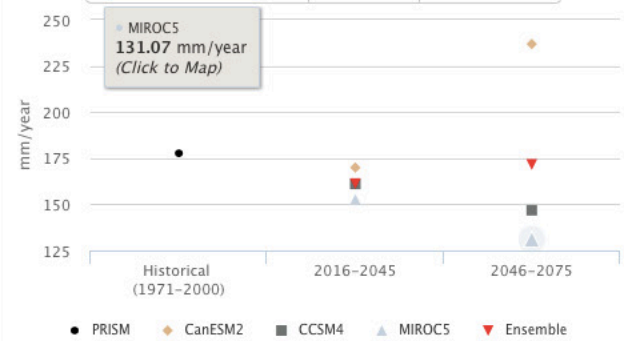
Desert Renewable Energy Conservation Plan

DATA BASIN



Charts | Current Selection | Near-Term Forecast | About

Precipitation | Average | Annual



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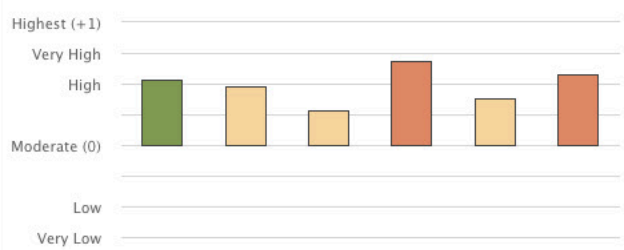

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DRECP Climate Console

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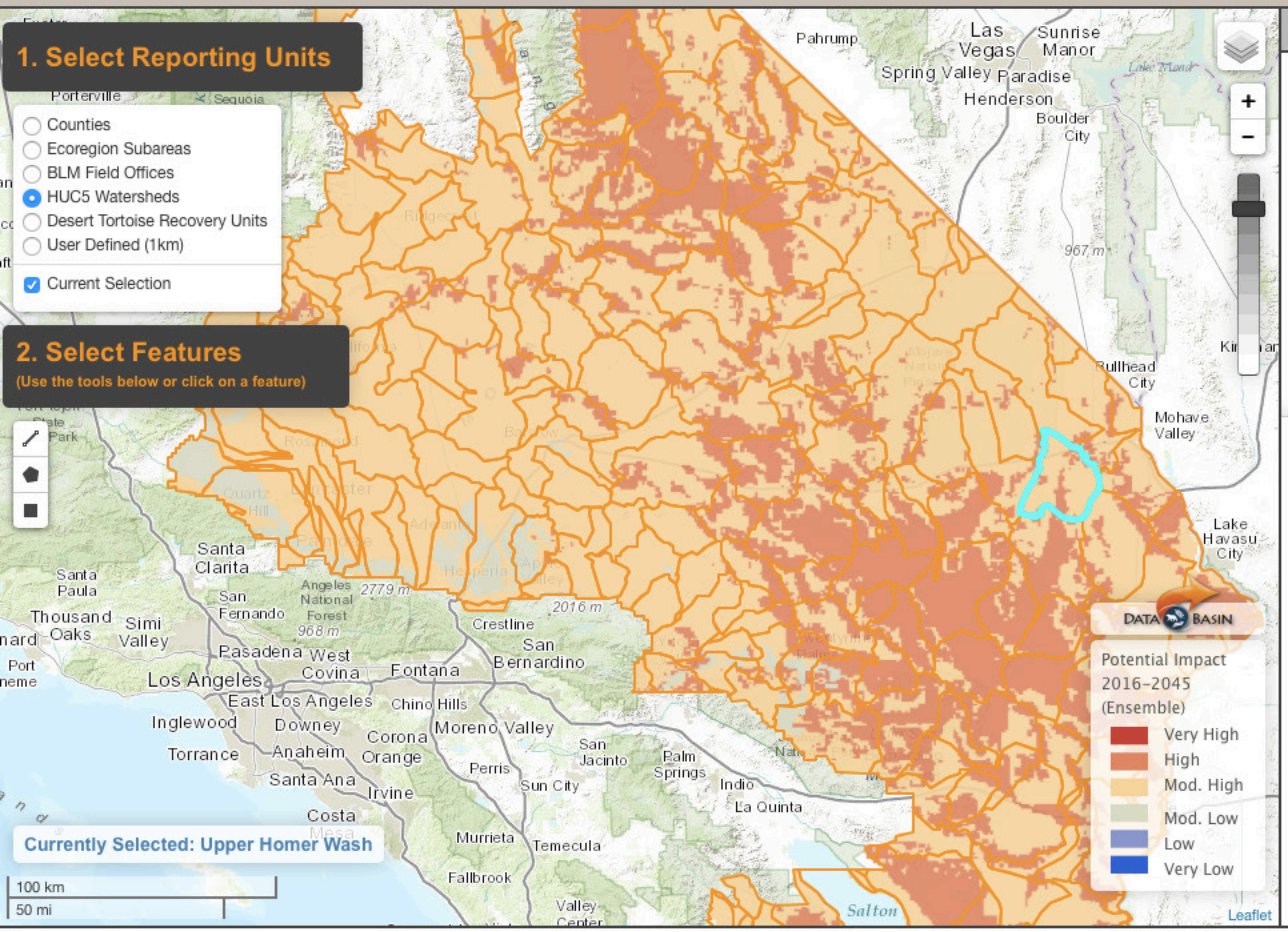

Charts | Current Selection | Near-Term Forecast | About

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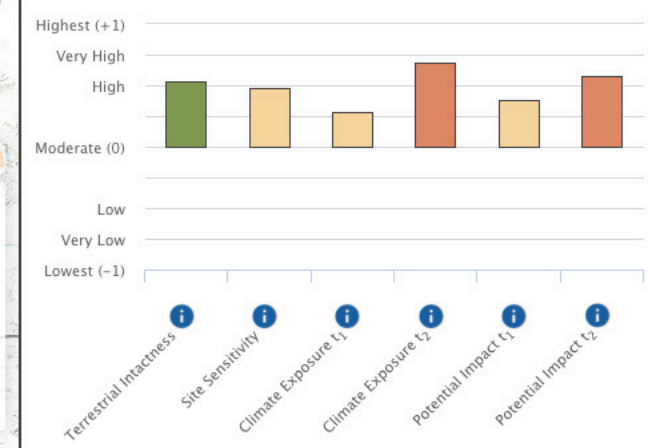

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DRECP Climate Console

Desert Renewable Energy Conservation Plan

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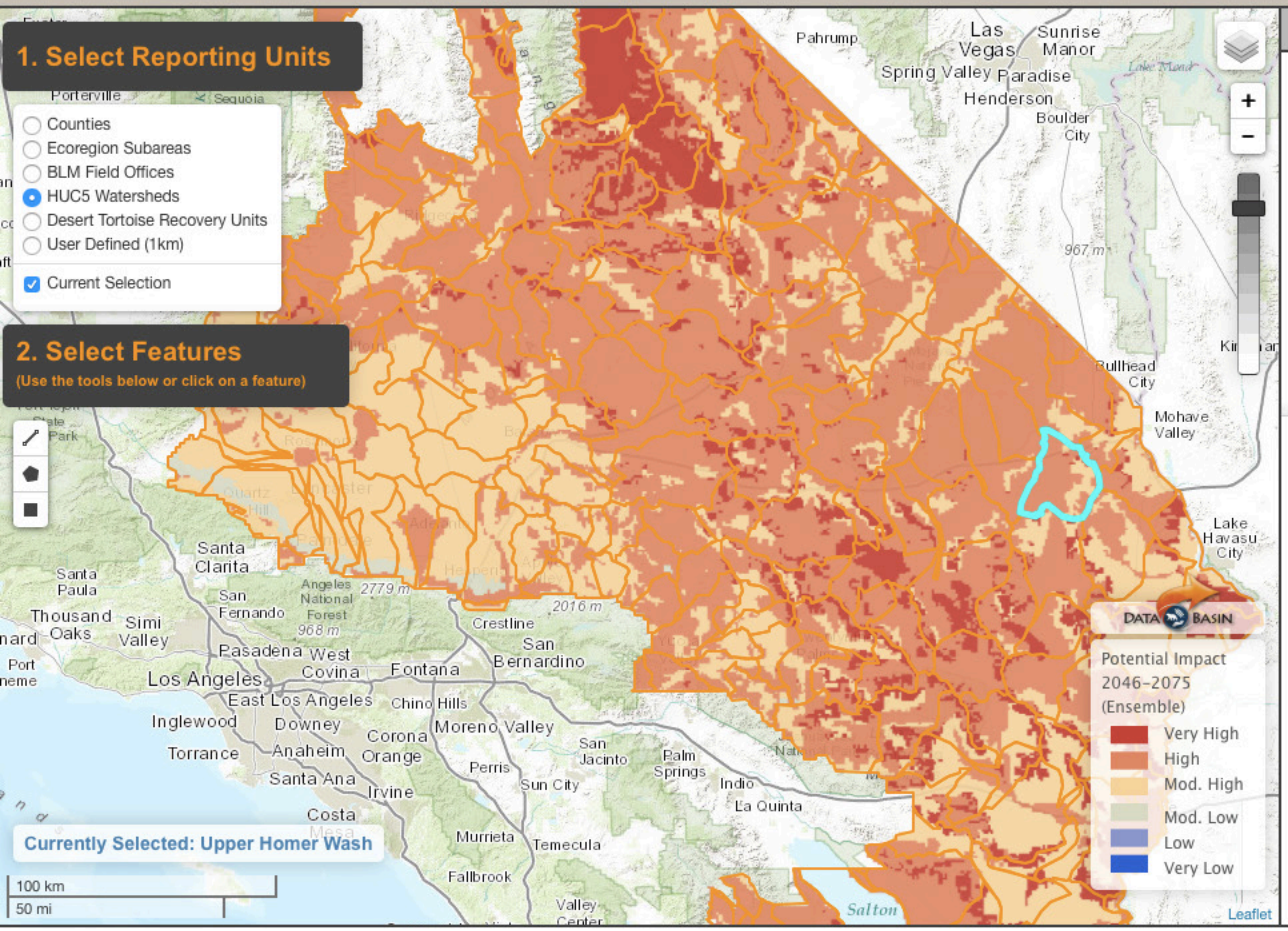
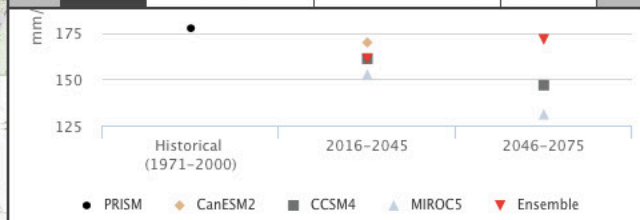


Charts | Current Selection | Near-Term Forecast | About



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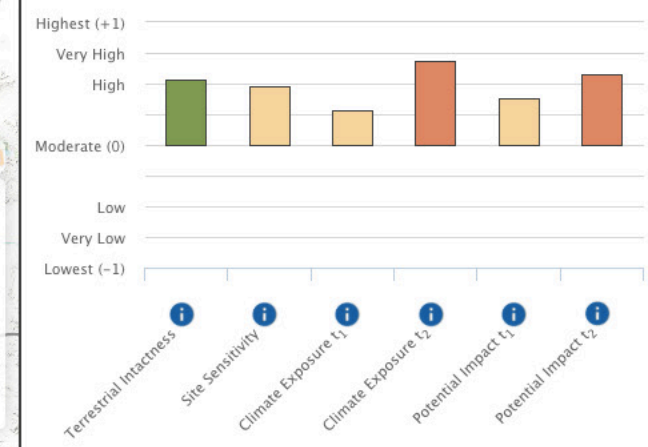

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Legend

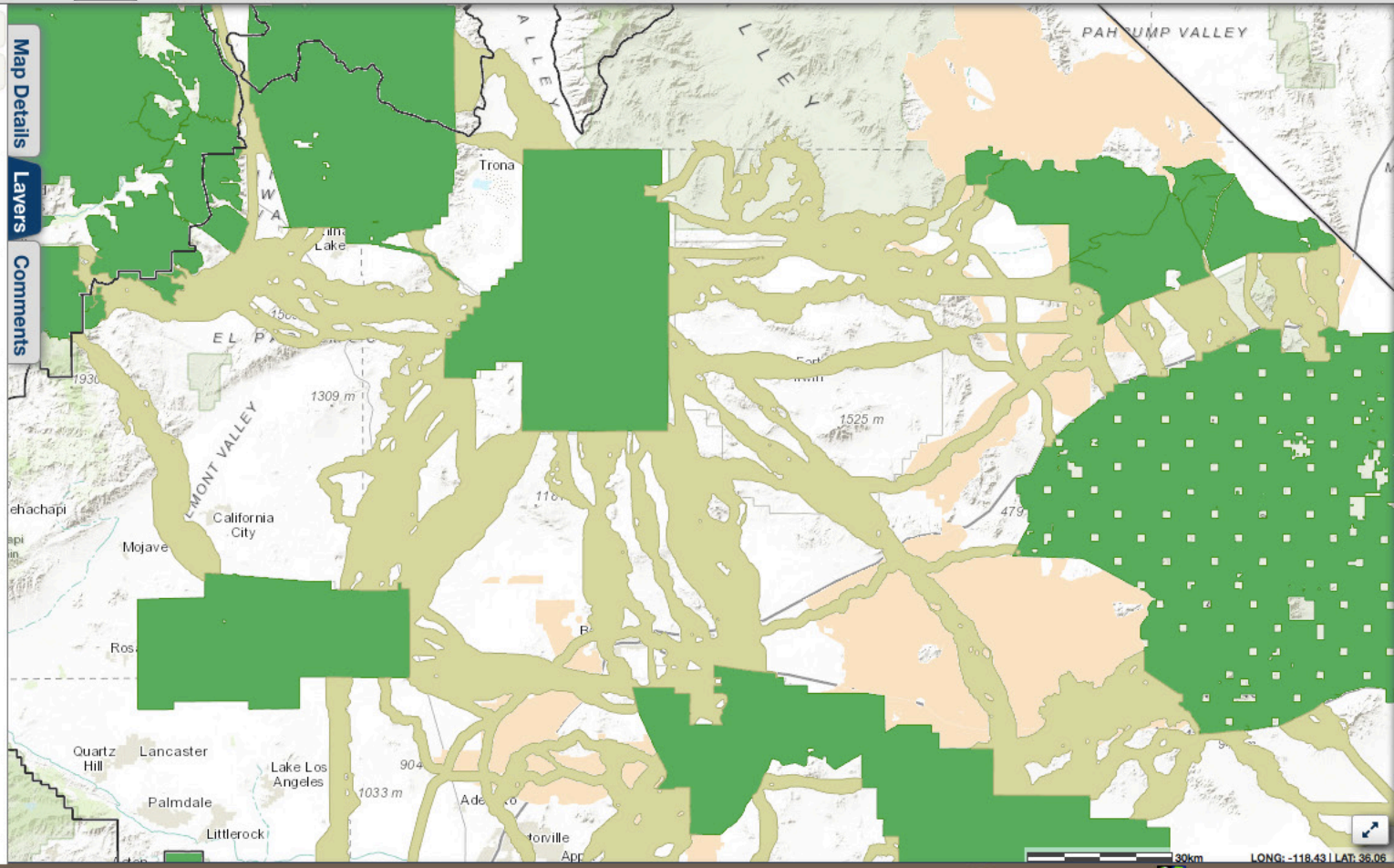
Drawings

Datasets

add datasets

- DRECP Potential Climate Impact 2046-2075 Using Ensemble Future Climate *[styled]*
- DRECP Potential Climate Impact 2016-2045 Using Ensemble Future Climate *[styled]*
- ☑ DRECP Boundary
- Connectivity Linkages and Condition, DRECP
  - ☑ Connectivity Linkages, DRECP
  - ☑ Current Condition of Connectivity Linkages, DRECP
- ☑ California Desert Linkage Network
  - ☑ CA Desert Linkage Network
  - SC Wildlands Previous Linkage Designs
  - ☑ Landscape Blocks
- Bighorn Sheep, Priority Areas (CPAD18 Holdings), DRECP
- Dudek Reserve Design

Map Details | Layers | Comments



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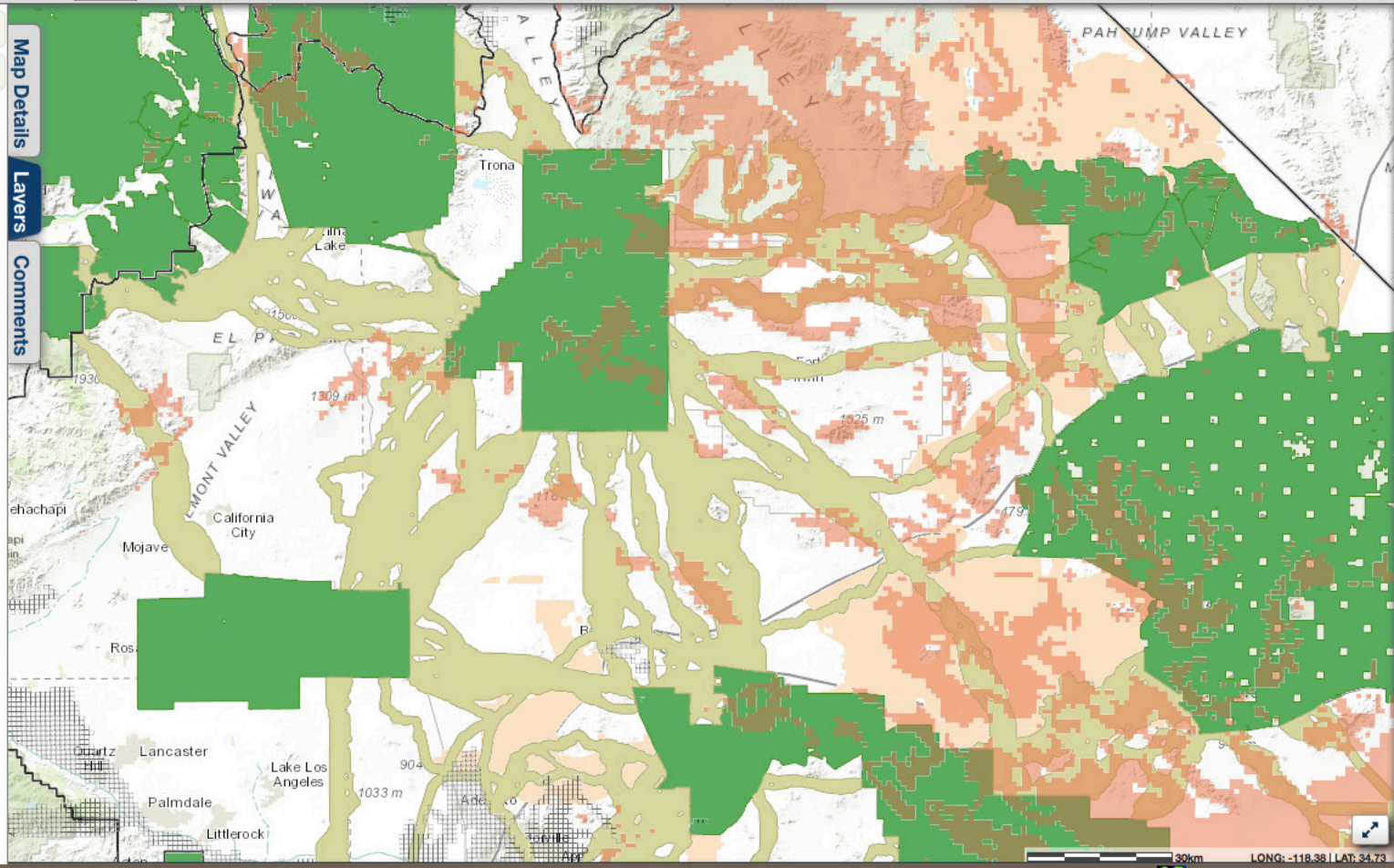

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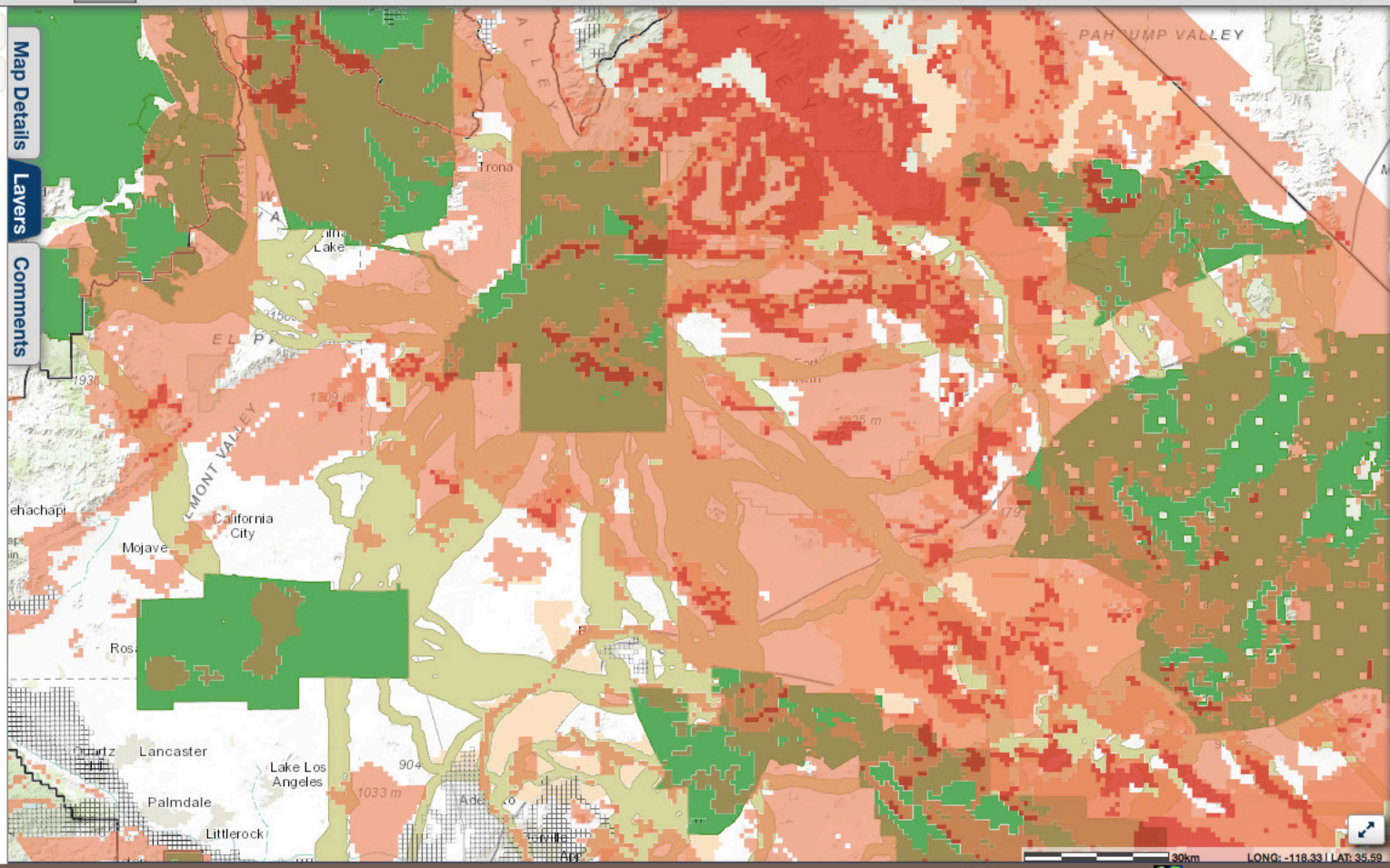

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