

**BORREGO SPRINGS WHITE PAPER
TOWARDS A RESILIENT, INTEGRATED WATERSHED SCALE MASTER
COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

ATTACHMENT 2: LIST OF FIGURES

FIGURE 1A: HISTORIC AND FUTURE CLIMATE SCENARIO WITH TEMPERATURES FLATTENING OUT AT A HIGHER AVERAGE LEVEL.

Source: Rehabilitation of Fallowed Farmlands in Borrego Valley—Literature Review, Land IQ, UCI March 2023

FIGURE 1B: BORREGO SPRINGS WATERMASTER OVERDRAFT CHART HISTORY WITH SUSTAINABLE USE BRIGHTLINE

<https://borregospringswatermaster.com/>

FIGURE 2: COUNTY OF SAN DIEGO GENERAL PLAN ELEMENTS

<https://www.sandiegocounty.gov/content/sdc/pds/generalplan.html>

FIGURE 3: UN'S 17 SUSTAINABILITY GOALS

<https://www.un.org/sustainabledevelopment/blog/2016/07/17goals17days-progress-made-on-sustainable-development-goals/>

FIGURE 4: NATURE'S BENEFITS

<https://www.nature.scot/scotlands-biodiversity/scottish-biodiversity-strategy-and-cop15/ecosystem-approach/ecosystem-services-natures-benefits>

FIGURE 5: BORREGO WATER DISTRICT

[Link to Borrego Water District](<https://BorregoWD.org/>)

FIGURE 6: BORREGO SPRINGS WATERMASTER

[Link to Borrego Springs Watermaster](<https://BorregoSpringsWatermaster.com/>)

FIGURE 7: CPUC (IOUS ONLY) 51,992 SDGE PUBLIC SAFETY POWER SHUTOFFS 2018-2024

FIGURE 8: SGMA GRANT, EXHIBIT A, WORK PLAN

FIGURE 9: SGMA GRANT COMPONENT 5 RESILIENCY STRATEGY, TASK 2 BASIN CHARACTERIZATION

FIGURE 10: RACE AND ETHNICITY, 2016 AMERICAN COMMUNITY SURVEY DATA, BORREGO SPRINGS

FIGURE 11: BORREGO SPRINGS LAND USE MAP (County General Plan 2011, Map Date 2020)

FIGURE 12: DESERT LAND USE MAP INCLUDING BORREGO SPRINGS (County General Plan 2011, Map Date 2020)

FIGURE 13: MOST COMMON BORREGO JOBS GROUPS IN 2022

**BORREGO SPRINGS WHITE PAPER
TOWARDS A RESILIENT, INTEGRATED WATERSHED SCALE MASTER
COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

FIGURE 14: BORREGO SPRINGS' ONLY RCA ELEMENT BLOCK SHOWN ON 3 MAPS: COUNTY LAND USE MAP 2020 WITH EXISTING RCA BLOCK IN GRAY DUE EAST OF "SPRINGS" ON THE MAP; EC MSCP 2008 PRELIMINARY FOCUSED CONSERVATION AREAS (FCAS) INCLUDES THE RCA BLOCK IN AN FCA BLOCK SLIGHTLY NORTHEAST OF THE END OF THE WORD "SPRINGS", AND BSCP 2011 FIGURE 8 SHOWING THE ORIGINAL RCA BLOCK WITH RESOURCES

FIGURE 15 -LOCATION OF 2011 PROPOSED RCAS (FIGURE 7 FROM BSCP 2011)

FIGURE 16: BORREGO'S DESERT LOCATION

FIGURE 17: MESQUITE THICKETS HABITAT SUITABILITY MODEL, (Land IQ, 2023)

FIGURE 18: BORREGO SPRINGS FOLLOWING PRIORITIZATION MAP [LINK TO BORREGO SPRINGS Watermaster](<https://borregospringswatermaster.com/wp-content/uploads/2023/06/Borrego-Lit-Review-2023-03-31-Final-with-Appendices.pdf>)

FIGURE 19: BORREGO'S QUIET AREA MAP (2023)

FIGURE 20: BORREGO SPRINGS LANDFORM SHOWING LARGELY ALLUVIAL PLAINS AND FANS

FIGURE 21: BORREGO WATER USE GRAPHS

FIGURE 22: BORREGO VALLEY HYDROGEOLOGIC CONCEPTUAL MODEL, Dudek in 2020 GMP

FIGURE 23: HISTORY OF GROUNDWATER PUMPING FOR 2015-2023 BY SECTOR WITH OVERALL MEAN SECTOR PUMPING PERCENTAGE (2015-2018), Dudek in 2020 GMP

FIGURE 24: SGMA GRANT COMPONENT 6 BIOLOGICAL RESTORATION OF FALLOWED LANDS TASKS

FIGURE 25: SOILS RELATIVE TO WIND PATTERNS AND VARIOUS METHODS OF FALLOW REHABILITATION, Land IQ and UCI March 2023

FIGURE 26: BORREGO SPRINGS FOLLOWING PRIORITIZATION MAP
<https://borregospringswatermaster.com/wp-content/uploads/2023/06/Borrego-Lit-Review-2023-03-31-Final-with-Appendices.pdf>

FIGURE 27: BORREGO AREA FAULT LINES SHOWN IN BLACK
Geological Gems of California State Parks, Special Report 230 – Fuller, M., Brown, S., Wills, C. and Short, W., editors, 2015, Geological Gems of California, California

**BORREGO SPRINGS WHITE PAPER
TOWARDS A RESILIENT, INTEGRATED WATERSHED SCALE MASTER
COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

FIGURE 28: COUNTY DEPARTMENT OF PUBLIC WORKS, GUIDELINES FOR FLOOD PROTECTION OF STRUCTURES IN BORREGO SPRINGS , Source: County, Date Unknown.

FIGURE 29: FLOOD HAZARD MAP, BORREGO VALLEY ALLUVIAL FANS

FIGURE 30: BORREGO SPRINGS IS MAINLY MODERATE FIRE RISK

Source:

<https://capuc.maps.arcgis.com/apps/dashboards/ecd21b1c204f47da8b1fcc4c5c3b7d3a>

FIGURE 31: INDUSTRIAL TRANSMISSION ORIENTED GRID OR LOCALLY DISPERSED ROOF TOP ENERGY (W/OR WITHOUT INTERACTIVE GRID CONNECTION)

FIGURE 32: BORREGO SPRINGS AND SURROUNDINGS - ANCESTRAL HOMELANDS, BIOLOGICAL CORE PRESERVES (ABDSP) WITHIN THE LARGER MOJAVE AND COLORADO DESERTS BIOSPHERE RESERVE (from AB Instagram page)

FIGURE 33: CA PROTECTED AREAS DATABASE (CPAD) SHOWING BORREGO SPRINGS CPA WITH ABUTTING PROTECTED LANDS, from Dudek GDE doc

FIGURE 34: ADVANTAGES AND BENEFITS OF STATE AND FEDERAL CONSERVATION PLANNING, Pathways to 30x30 Final Report, April 2022

FIGURE 35: COUNTY GENERAL MSCP MAP 2023

FIGURE 36: CALIFORNIA NATIONAL DIVERSITY DATABASE (CNDDDB) ENTRIES IN, AND NEAR, BORREGO SPRINGS, Dudek GDE

FIGURE 37: ACES MAP, COMBINED SPECIES BIODIVERSITY RANK WITH NATIVE AND RARE RICHNESS AND IRREPLACEABILITY FACTORS, Dudek GDE

FIGURE 38: TNC LETTER GRAPHIC, FROM GSP DRAFT PUBLIC COMMENTS SECTION

FIGURE 39: SGMA GRANT GROUNDWATER DEPENDENT ECOSYSTEM RESEARCH COMPONENT GRAPHICS

FIGURE 40: SAN DIEGO'S BIODIVERSITY HEAT MAP AND DESERT SPECIFIC NEEDS

Source: San Diego Collaboration for Conservation, Sustaining the Region's Legacy of Biodiversity Conservation (SD Nat, June 2024)

San Diego Natural History Museum and SANDAG | San Diego Collaboration for Conservation October 2024

FIGURE 41: MOST EFFECTIVE PATHWAYS TO 30X30 AND 30X30 OBJECTIVES, Source: Pathways to 30x30 California; Accelerating Conservation in California, Final Report April 2022

**BORREGO SPRINGS WHITE PAPER
TOWARDS A RESILIENT, INTEGRATED WATERSHED SCALE MASTER
COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

FIGURE 42: GREEN BUILDING CODE MANDATED FOR USE BY 2020 IN CA (YET COUNTY GUIDELINE # 273 ONLY MENTIONS VOLUNTARY INCENTIVES).

FIGURE 43: INTERNATIONAL (MANY SUSTAINABLE) DESERT COMMUNITIES

FIGURE 44: MID-CENTURY ARCHITECTURE AND DESIGN IN PALM SPRINGS

FIGURE 45: ADJUSTED CAPACITY AND FUTURE POTENTIAL DWELLING UNITS
Left -Existing Dwelling Units; Right- Adjusted Available Capacity Of The GP Future
Potential Dwelling Units, Source:

<https://www.sandiegocounty.gov/content/dam/sdc/pds/advance/DevTracker/BorregoSprings.pdf>

FIGURE 46: TRANSPORTATION STUDY FLOWCHARTS, Source: County
Transportation Study Guidelines (TSG) September 2022

FIGURE 47: COUNTY SLUF IDEA IS BORN (EXCERPTS FROM CITY NEWS
SERVICE, POSTED 5:29 PM, SEP 28, 2022)

FIGURE 48: BORREGO WATER DISTRICT PROJECT AND SERVICE AREA

FIGURE 49: BORREGO'S MICROGRID

FIGURE 50: COUNTY BASELINE BMPS FOR EXISTING AND PROPOSED SITE
FEATURES (EXCERPT FROM #040 COUNTY PLOT PLAN (NOT FOR GRADING))

FIGURE 51: COMPARISON MAP OF BORREGO AREA TO DRECP ENERGY
"DEVELOPMENT FOCUS AREAS IN PINK

FIGURE 52: BIODIVERSE CLEAN ENERGY GUIDELINES; Source: C3 Energy in the
Backcountry June 26. 2024
<https://studio.youtube.com/video/vIF1OWCKsOk/edit>

**BORREGO SPRINGS WHITE PAPER
TOWARDS A RESILIENT, INTEGRATED WATERSHED SCALE MASTER
COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

Rehabilitation of Fallowed Farmlands in Borrego Valley—Literature Review

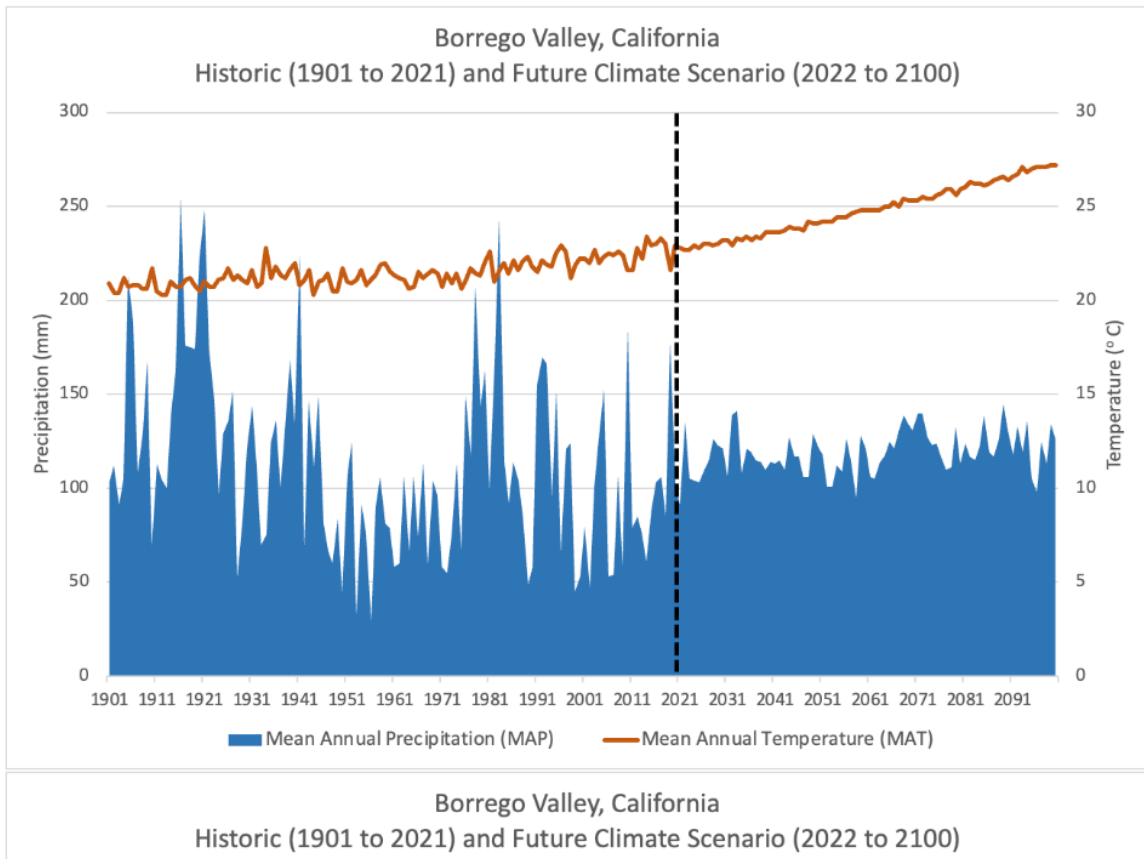


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WMB Draft-WY-2024-Annual-Report PDF

Search icons

sustainable yield

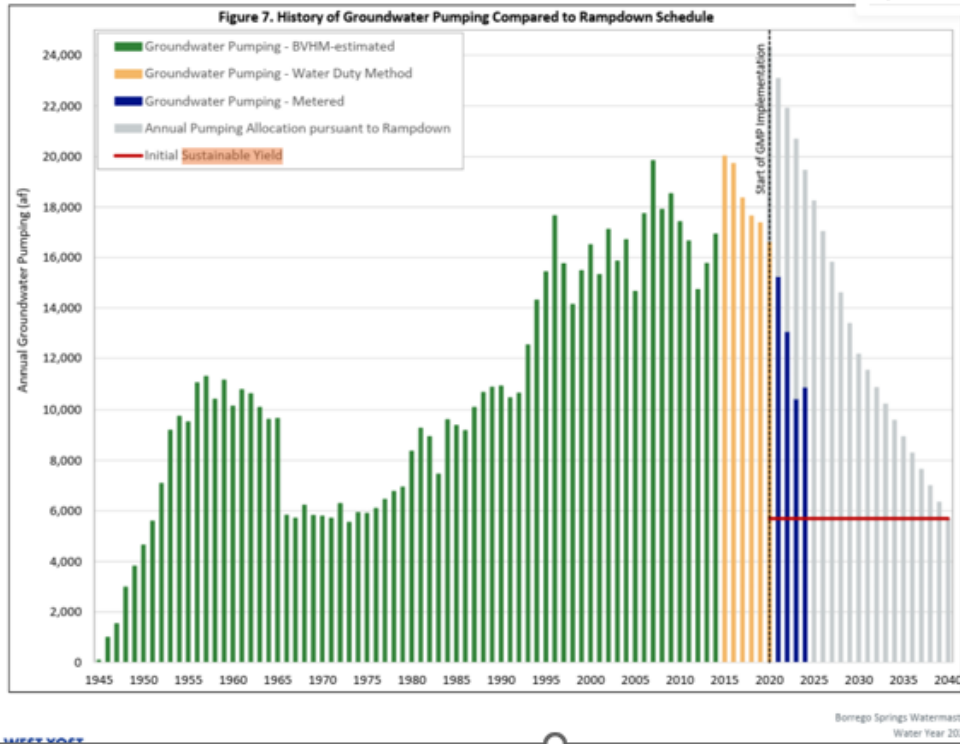


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**BORREGO SPRINGS WHITE PAPER
TOWARDS A RESILIENT, INTEGRATED WATERSHED SCALE MASTER
COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

Cover, Table of Contents, Chapter 1- Introduction, Chapter 2 - Vision and Guiding Principles



Chapter 10 & 11 - Implementation and Glossary

Appendices

- Land Use Map Appendix
- Mobility Element Network Appendix

Housing Element Appendices

- 6-A: Housing Needs Assessment
- 6-B: Constraints
- 6-C: Housing Resources
- 6-D: Review of Accomplishments During Previous Cycle
- 6-E: General Plan Consistency
- 6-F: Affordable Housing Projects at Less Than 30 du/ac in San Diego
- 6-G: Maps of RHNA Sites Inventory
- 6-H: Table of RHNA Sites Inventory
- 6-I: Affirmatively Furthering Fair Housing
- 6-J: Non-Vacant Typology Analysis

General Plan Implementation Plan

General Plan Map (Countywide)

General Plan Combined

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**BORREGO SPRINGS WHITE PAPER
TOWARDS A RESILIENT, INTEGRATED WATERSHED SCALE MASTER
COMMUNITY PLAN AND COMMUNITY
MARCH 2025**



FIGURE 3: UN'S 17 SUSTAINABILITY GOALS

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**BORREGO SPRINGS WHITE PAPER
TOWARDS A RESILIENT, INTEGRATED WATERSHED SCALE MASTER
COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

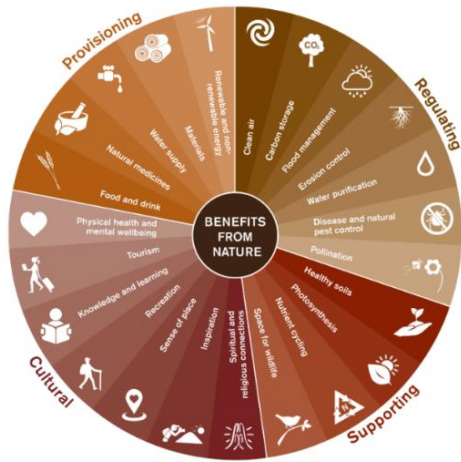


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**BORREGO SPRINGS WHITE PAPER
TOWARDS A RESILIENT, INTEGRATED WATERSHED SCALE MASTER
COMMUNITY PLAN AND COMMUNITY
MARCH 2025**



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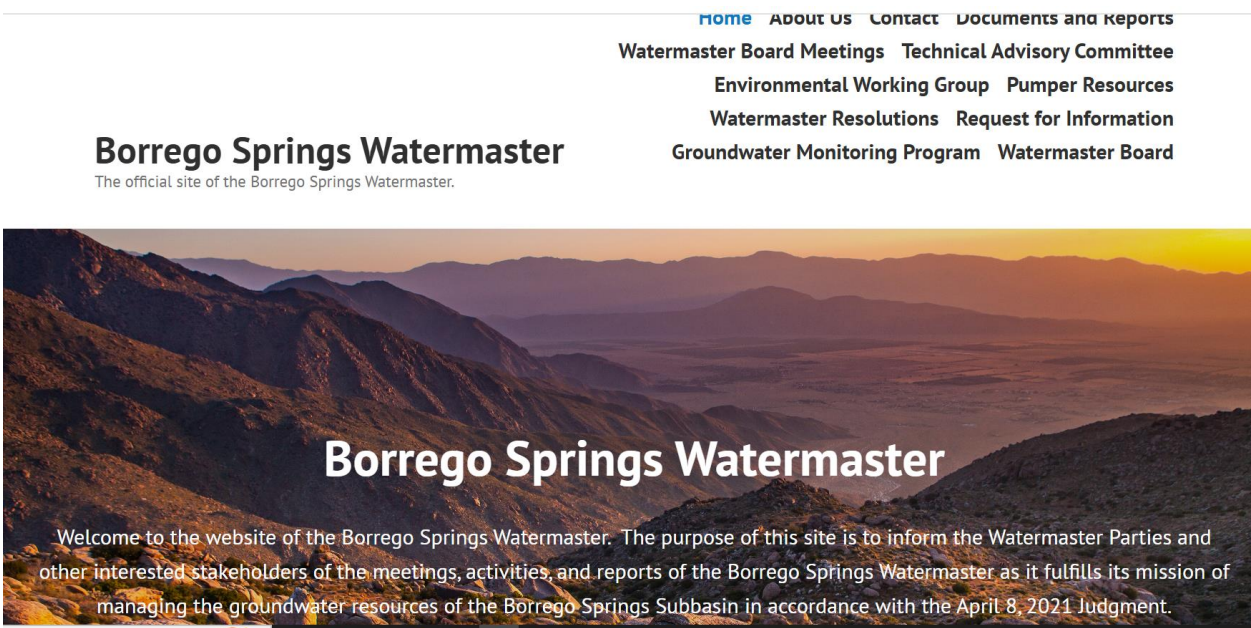


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BORREGO SPRINGS WHITE PAPER TOWARDS A RESILIENT, INTEGRATED WATERSHED SCALE MASTER COMMUNITY PLAN AND COMMUNITY MARCH 2025

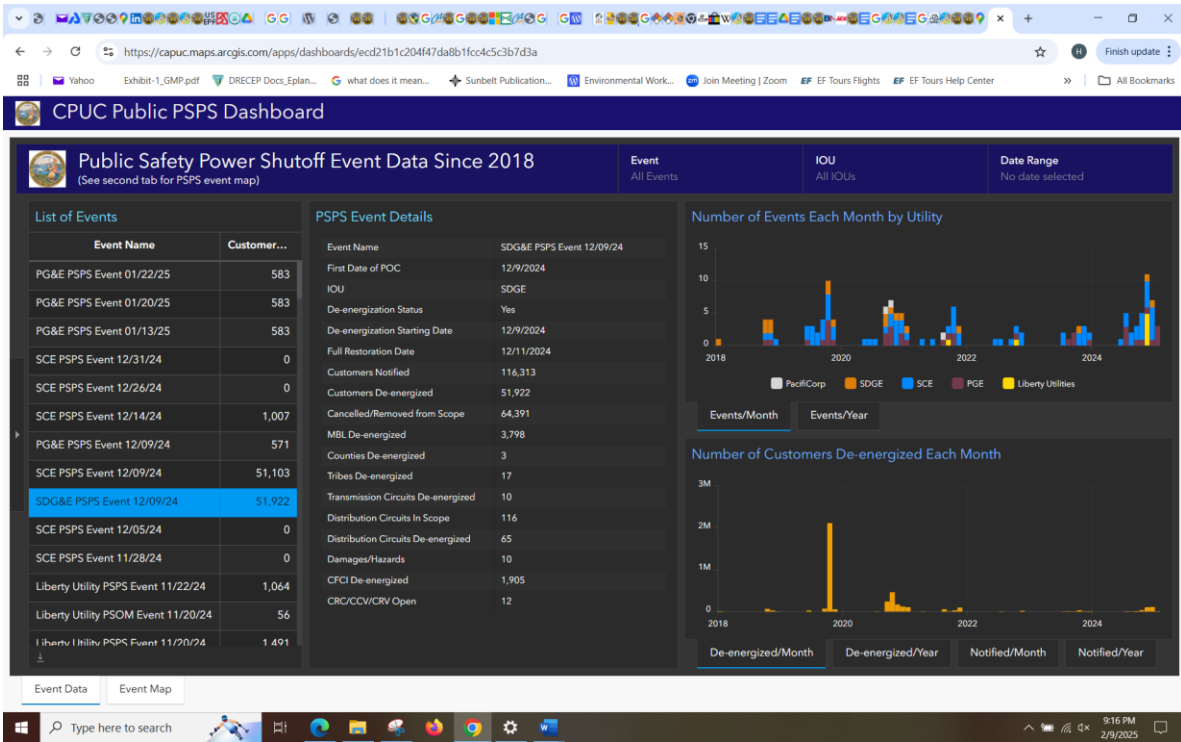


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**BORREGO SPRINGS WHITE PAPER
TOWARDS A RESILIENT, INTEGRATED WATERSHED SCALE MASTER
COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

*Grant Agreement No. 4600014652
Page 11 of 62*

**Exhibit A
WORK PLAN**

Project Title: Implementation Project for the Borrego Springs Sub Basin (Project)

Project Description: The Work Plan includes activities associated with implementation and continued planning, development, and preparation of groundwater sustainability for the Borrego Valley Subbasin (Basin). The resulting work from this grant will incorporate appropriate Best Management Practices as developed by DWR, and will result in a more complete understanding of the groundwater subbasin to support long-term sustainable groundwater management. The Project contains construction and planning projects including updating the Groundwater Management Plan (GMP). The Work Plan includes eight Components:

- Component 1: Grant Administration
- Component 2: Advanced Meter Infrastructure
- Component 3: Wastewater Treatment Plant Monitoring Wells
- Component 4: Education Project
- Component 5: Resiliency Strategy
- Component 6: Biological Restoration of Fallowed Lands
- Component 7: Monitoring, Reporting and Groundwater Management Plan Update
- Component 8: Groundwater Dependent Ecosystem Identification, Assessment, & Monitoring

FIGURE 8: SGMA GRANT, EXHIBIT A, WORK PLAN

**BORREGO SPRINGS WHITE PAPER
TOWARDS A RESILIENT, INTEGRATED WATERSHED SCALE MASTER
COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

COMPONENT 5: RESILIENCY STRATEGY

Category (a): Component Administration

Category (b): Environmental / Engineering / Design Task 1: Planning

Task 2: Basin Characterization

Category (c): Implementation / Construction

Category (d): Monitoring / Assessment

Category (e): Engagement / Outreach Task 3: Watermaster Board Coordination

Task 4: Sponsor Group Coordination

Task 5: Coordination with Land Use Planning

Task 2: Basin Characterization

Compile and summarize research in collaboration with the region's experts (including, but not limited to, UC Irvine, Anza-Borrego Desert Research Center researchers, Anza-Borrego Desert State Park environmental scientists, and Borrego Water District (BWD) in natural resources / environmental characteristics, planning, and governance to inform the community visioning process and the development of community priorities for the basin under Task 5. Identify and prioritize basin issues and opportunities, which will include potential basin restoration or management projects. Obtain feedback on summary white paper from a minimum of 5 water network partners and/or cooperators. Perform a Strengths, Weaknesses, Opportunities, and Threats (SWOT) analysis of the natural resources within the basin.

Deliverables:

- → White paper of basin characterization
- → Factsheet summary of white paper and FAQ on website
- → SWOT analysis of natural resources
- → Documentation of basin monitoring and evaluation roles, responsibilities, and decision-making protocols from authorities such as BWD, the GMP, technical consultants to parties in the basin, and other key federal, state and San Diego County entities

FIGURE 9: SGMA GRANT COMPONENT 5 RESILIENCY STRATEGY, TASK 2 BASIN CHARACTERIZATION

**BORREGO SPRINGS WHITE PAPER
TOWARDS A RESILIENT, INTEGRATED WATERSHED SCALE MASTER
COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

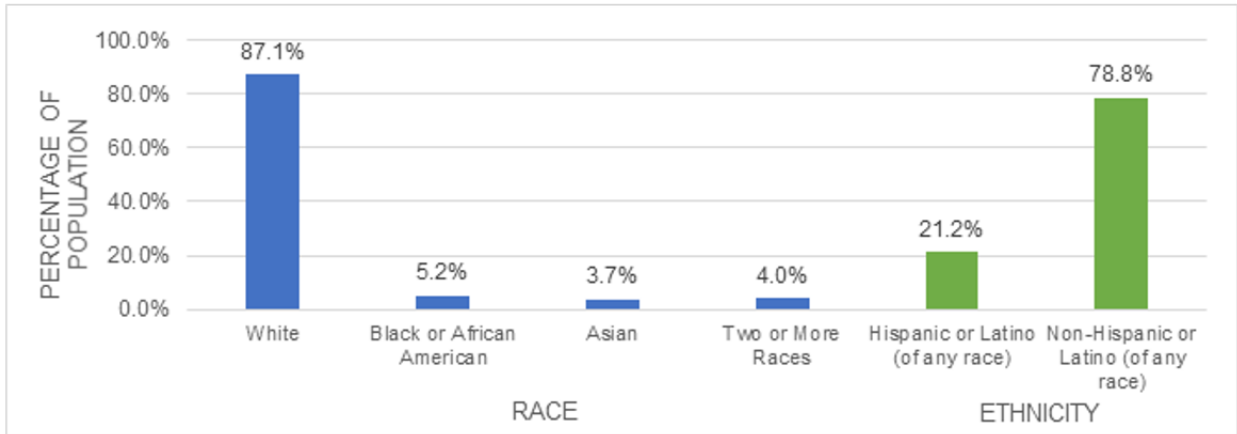


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**BORREGO SPRINGS WHITE PAPER
TOWARDS A RESILIENT, INTEGRATED WATERSHED SCALE MASTER
COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

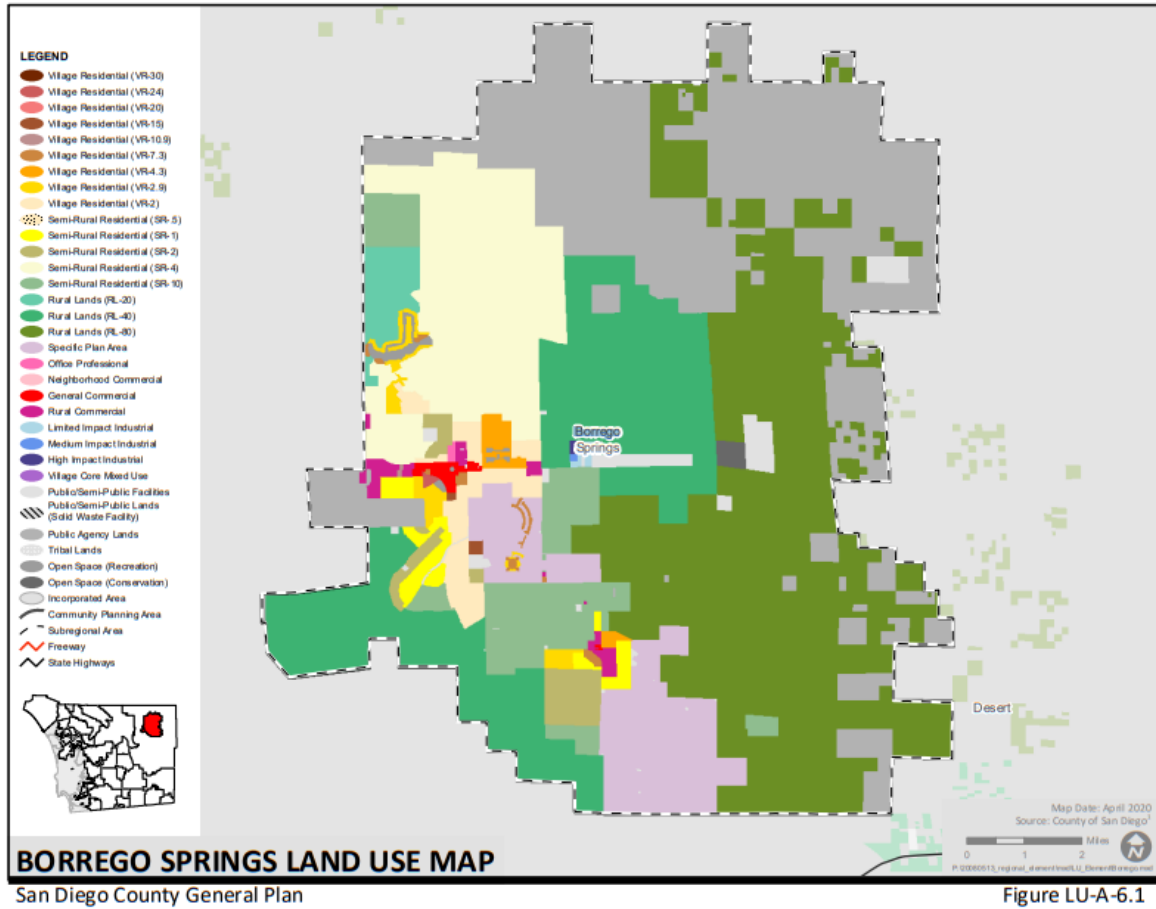


Figure LU-A-6.1

FIGURE 11: BORREGO SPRINGS LAND USE MAP (County General Plan 2011, Map Date 2020)

**BORREGO SPRINGS WHITE PAPER
TOWARDS A RESILIENT, INTEGRATED WATERSHED SCALE MASTER
COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

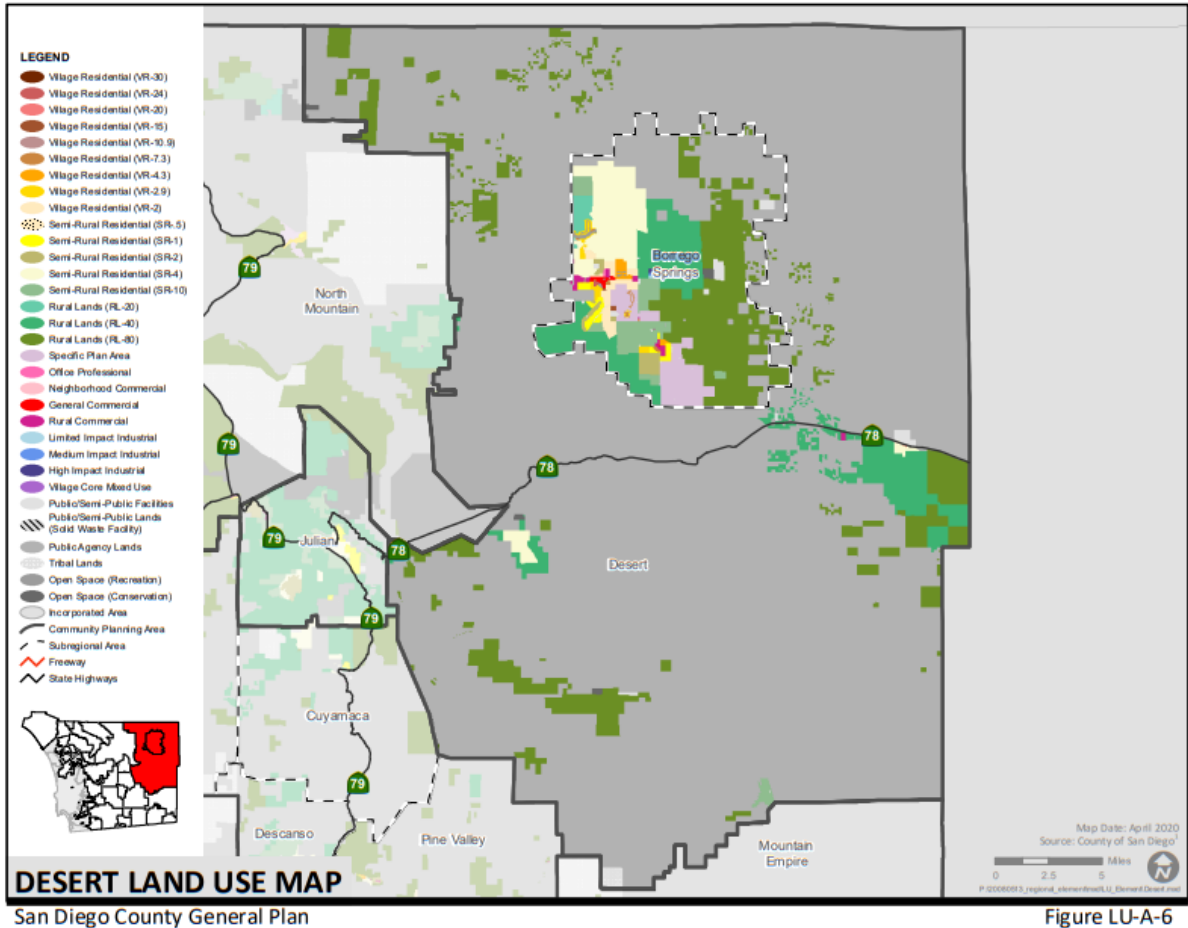


FIGURE 12: DESERT LAND USE MAP INCLUDING BORREGO SPRINGS (County General Plan 2011, Map Date 2020)

**BORREGO SPRINGS WHITE PAPER
TOWARDS A RESILIENT, INTEGRATED WATERSHED SCALE MASTER
COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

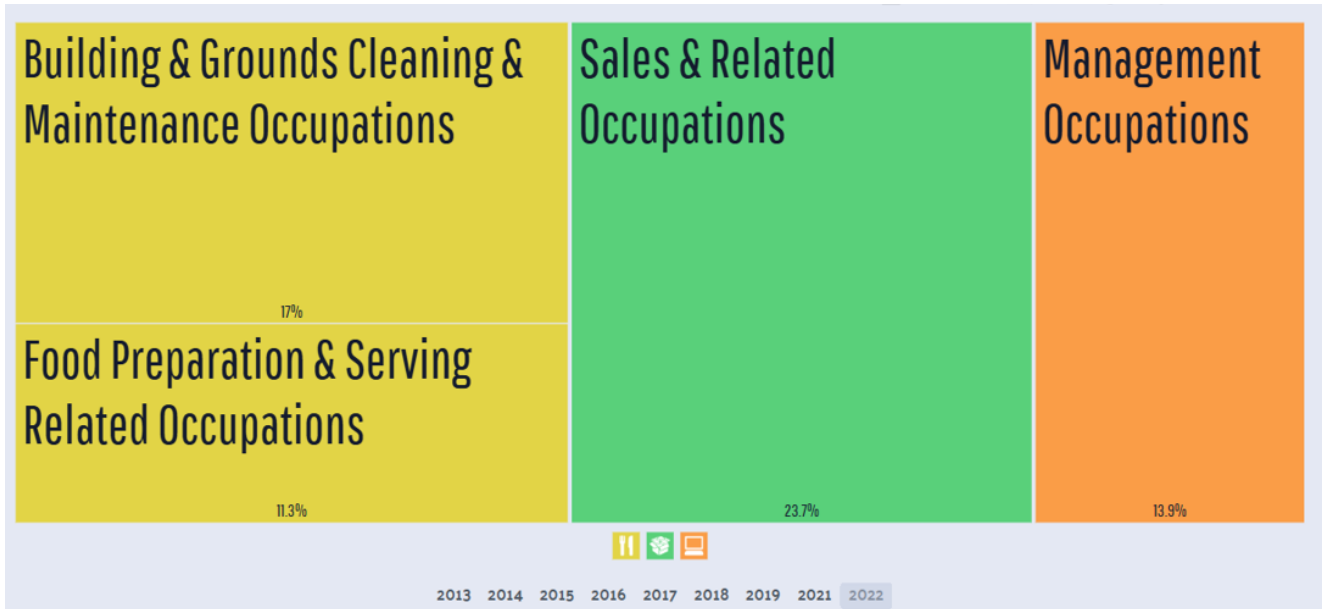


FIGURE 13: MOST COMMON BORREGO JOBS GROUPS IN 2022

**BORREGO SPRINGS WHITE PAPER
TOWARDS A RESILIENT, INTEGRATED WATERSHED SCALE MASTER
COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

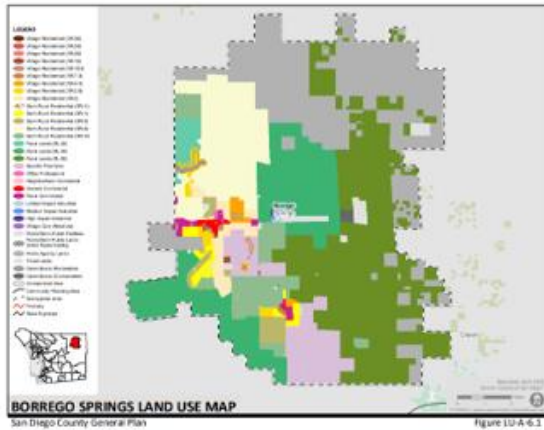
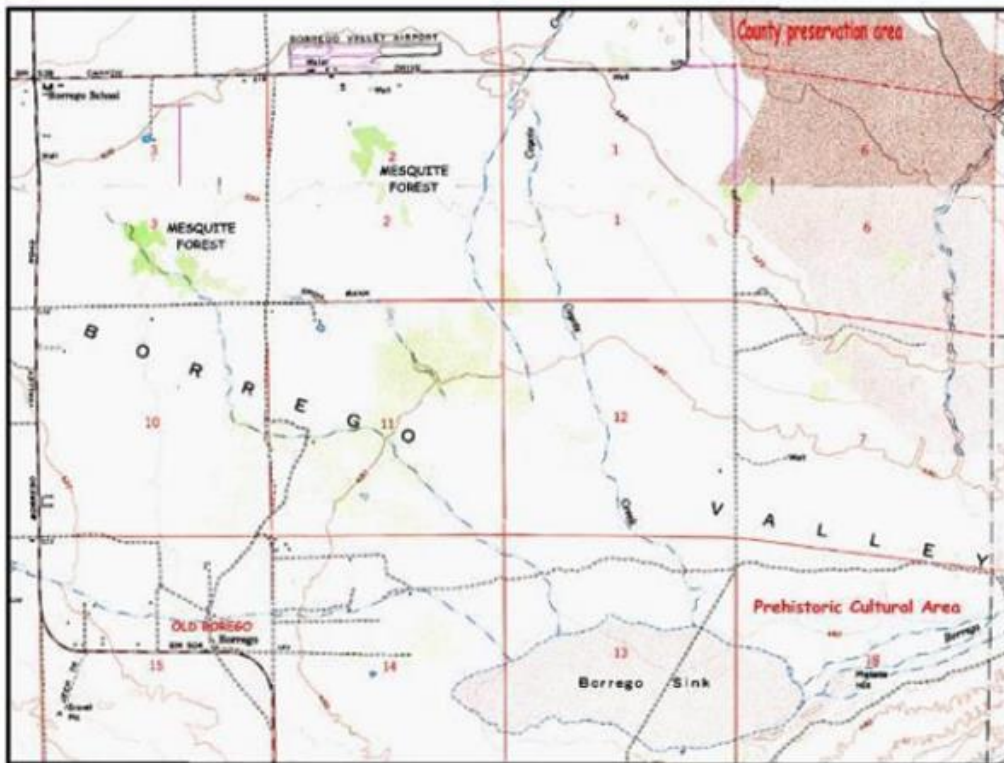


Figure 10-A-6.2



Borrego Springs Resource Conservation Area - Mesquite Forest & Prehistoric Cultural Area

Figure 8: Mesquite Forests and Prehistoric Cultural Areas

FIGURE 14: BORREGO SPRINGS' ONLY RCA ELEMENT BLOCK SHOWN ON 3 MAPS: COUNTY LAND USE MAP 2020 WITH EXISTING RCA BLOCK IN GRAY DUE EAST OF "SPRINGS" ON THE MAP; EC MSCP 2008 PRELIMINARY FOCUSED CONSERVATION AREAS (FCAS) INCLUDES THE RCA BLOCK IN AN FCA BLOCK SLIGHTLY NORTHEAST OF THE END OF THE WORD "SPRINGS", AND BSCP 2011 FIGURE 8 SHOWING THE ORIGINAL RCA BLOCK WITH RESOURCES

**BORREGO SPRINGS WHITE PAPER
TOWARDS A RESILIENT, INTEGRATED WATERSHED SCALE MASTER
COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

6.3 Resource Conservation Areas (SS-RCA)

The following four elements, 6.3.a. - 6.3.d., are proposed for designation as Resource Conservation Areas under this Plan. (See Figure 7 below for the location of each).

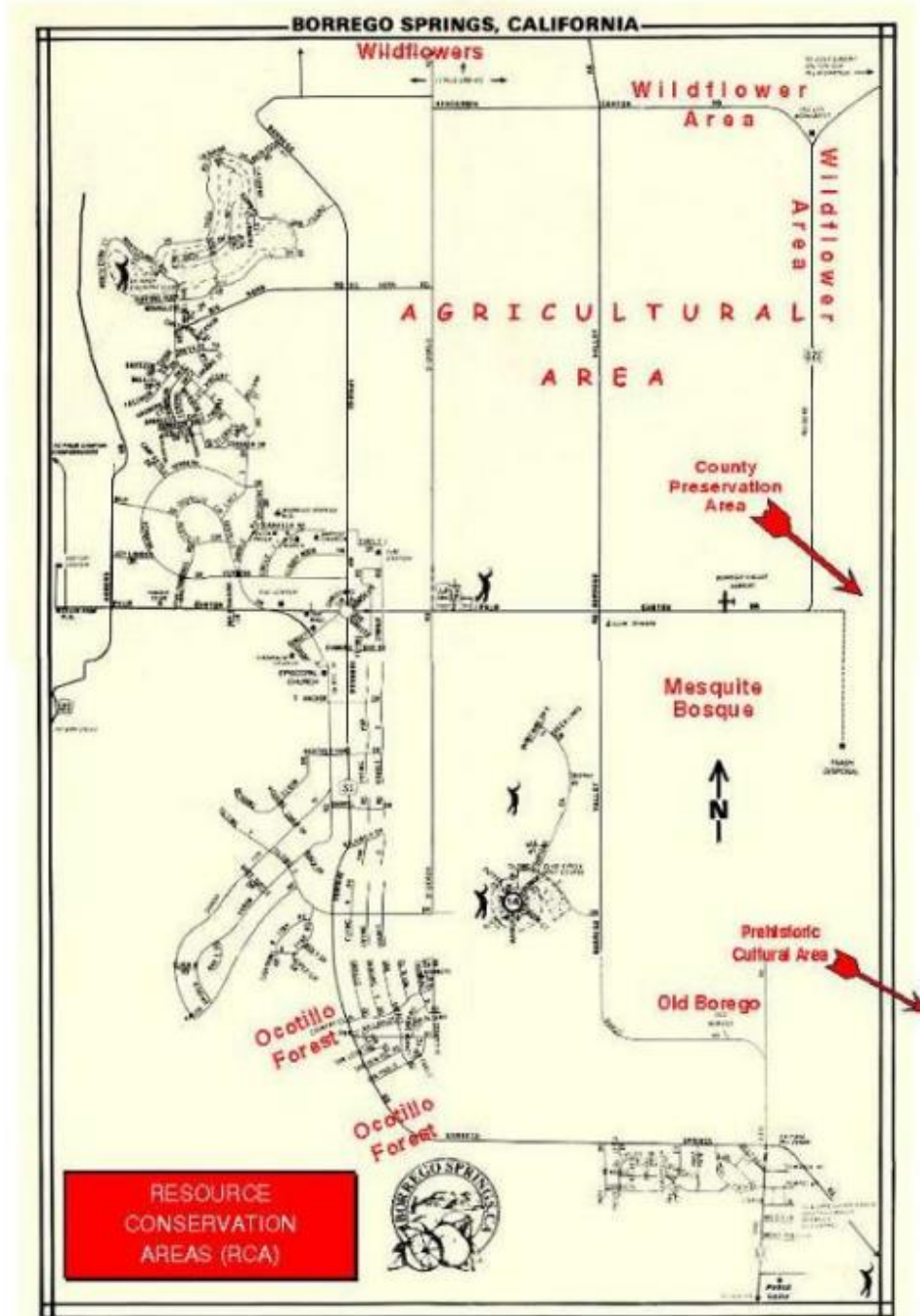


Figure 7: Location of Proposed Resource Conservation Areas

FIGURE 15: LOCATION OF 2011 PROPOSED RCAS (FIGURE 7 FROM BSCP 2011)

**BORREGO SPRINGS WHITE PAPER
TOWARDS A RESILIENT, INTEGRATED WATERSHED SCALE MASTER
COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

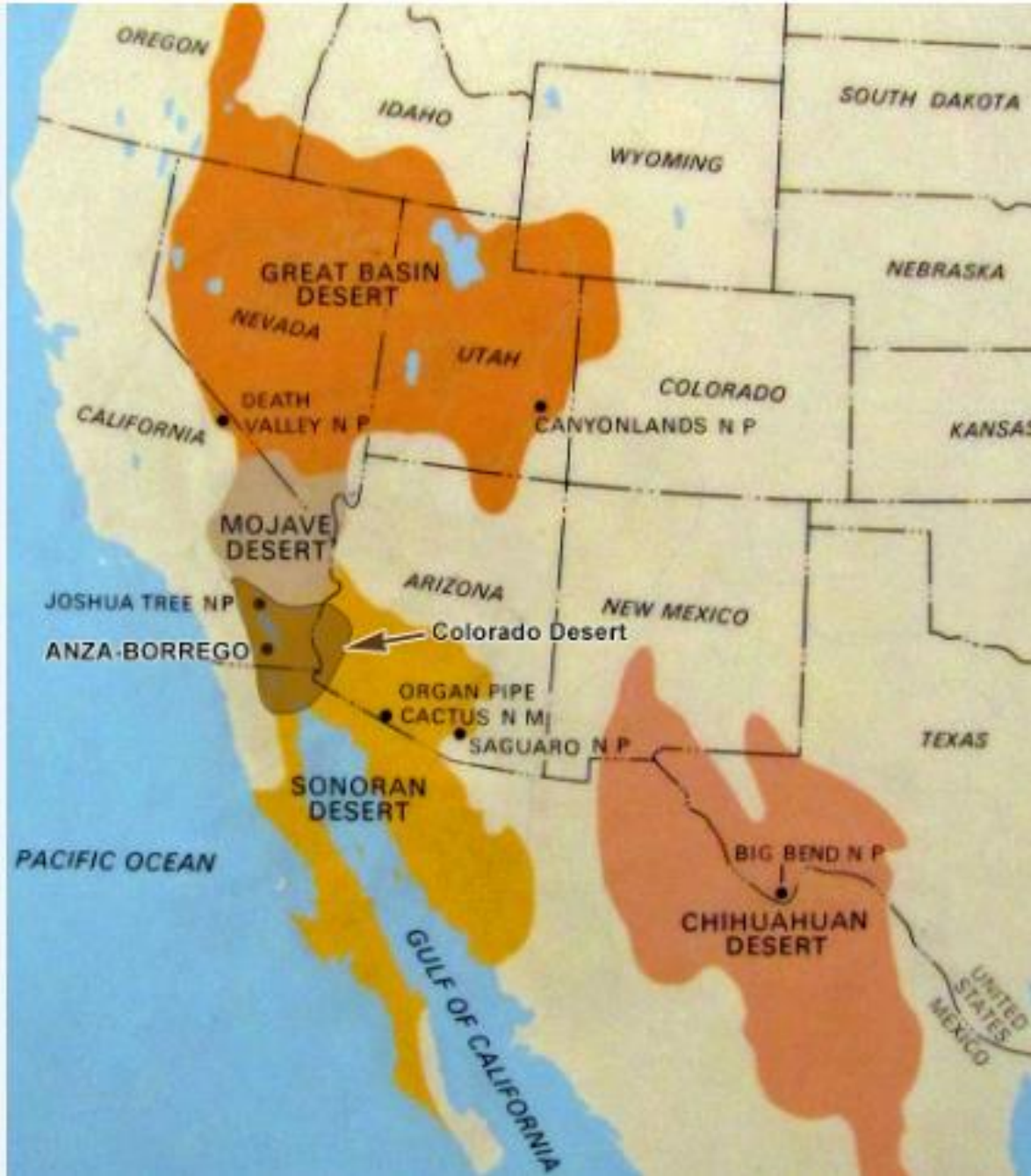


FIGURE 16: BORREGO'S DESERT LOCATION

**BORREGO SPRINGS WHITE PAPER
TOWARDS A RESILIENT, INTEGRATED WATERSHED SCALE MASTER
COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

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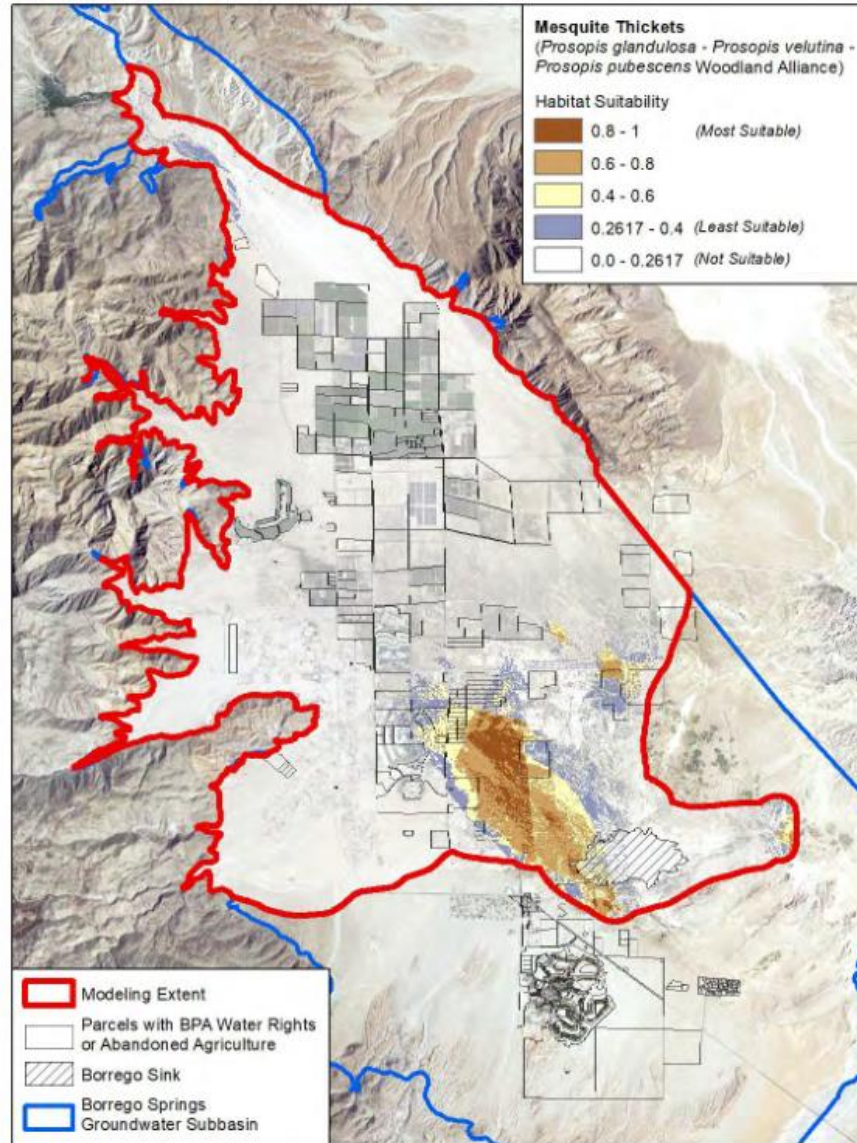


FIGURE 2-22. MESQUITE THICKETS (*PROSOPIS GLANDULOSA* - *PROSOPIS VELUTINA* - *PROSOPIS PUBESCENS* WOODLAND ALLIANCE) HABITAT SUITABILITY MODEL

FIGURE 17: MESQUITE THICKETS HABITAT SUITABILITY MODEL, (Land IQ, 2023)

**BORREGO SPRINGS WHITE PAPER
TOWARDS A RESILIENT, INTEGRATED WATERSHED SCALE MASTER
COMMUNITY PLAN AND COMMUNITY
MARCH 2025**



Dying Mesquite Trees in Borrego Sink

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TOWARDS A RESILIENT, INTEGRATED WATERSHED SCALE MASTER
COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

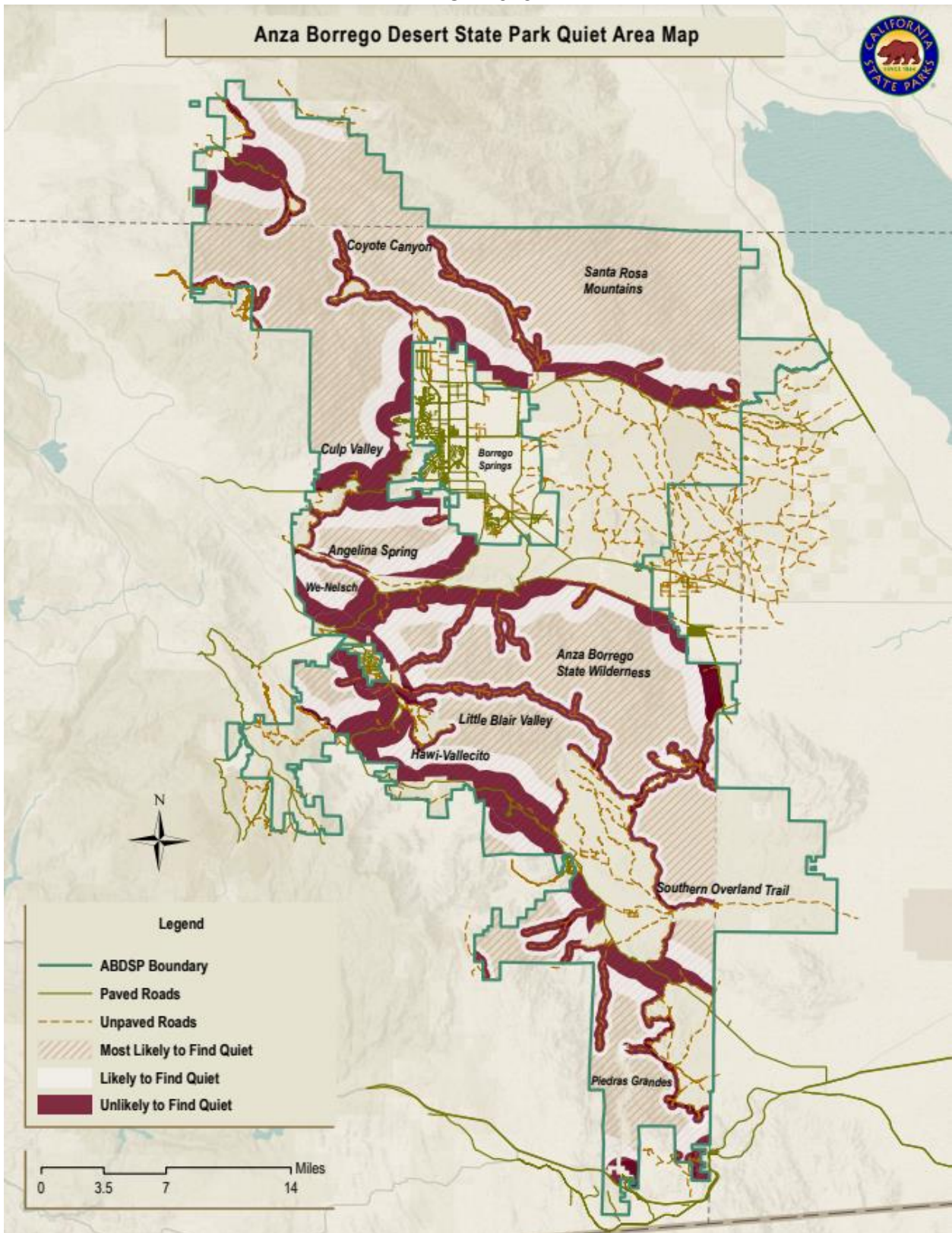


FIGURE 19: BORREGO'S QUIET AREA MAP (2023)

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COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

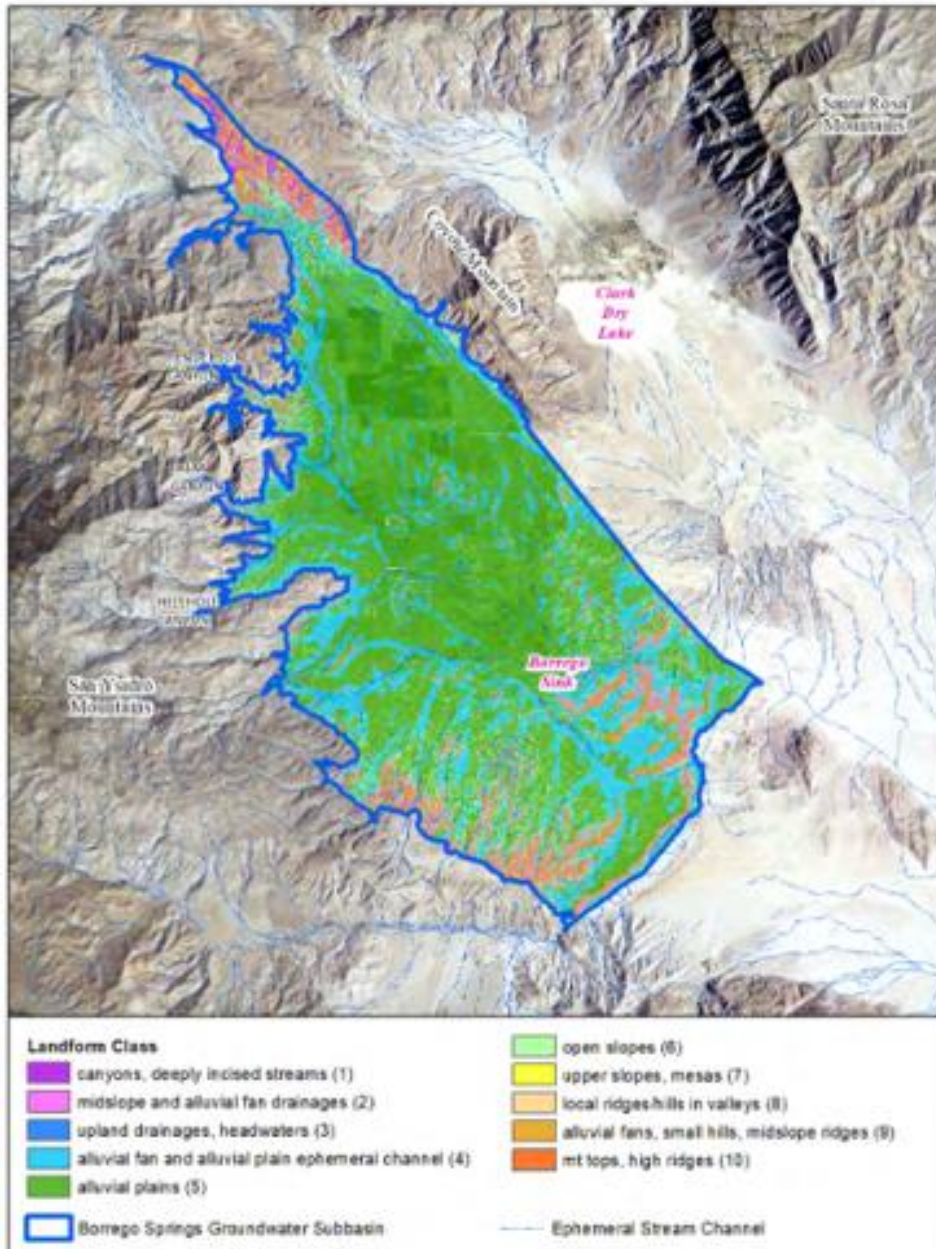


FIGURE 2-7. LANDFORMS IN THE BORREGO SPRINGS GROUNDWATER SUBBASIN.

Source: Topographic Position Index and Slope calculated from San Diego Regional DEM (2.5-ft resolution; 2015 and 2017 LIDAR data). Classification of landforms according to Weiss (2001). 2020 NAIP Aerial. Stream Data from USGS National Hydrography Dataset.

FIGURE 20: BS LANDFORM SHOWING LARGELY ALLUVIAL PLAINS AND FANS

**BORREGO SPRINGS WHITE PAPER
TOWARDS A RESILIENT, INTEGRATED WATERSHED SCALE MASTER
COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

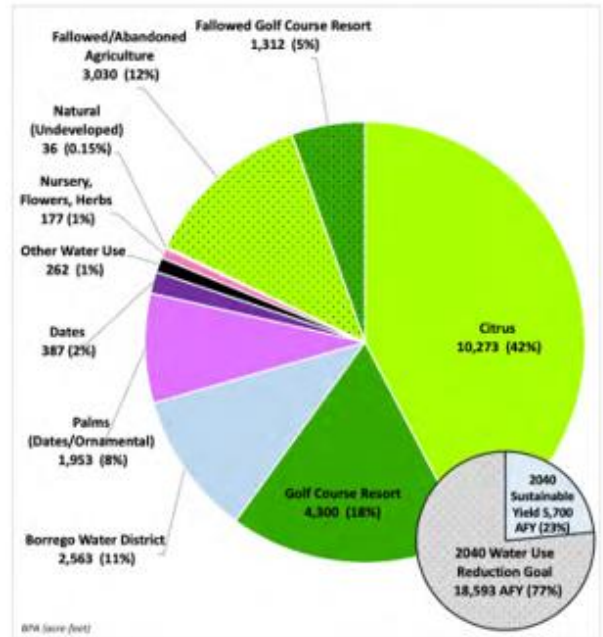
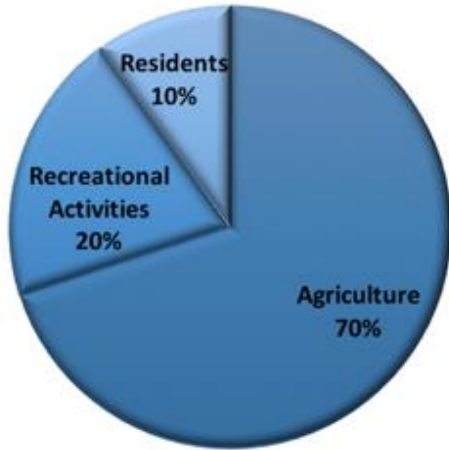


FIGURE 3-15. CURRENT (2022) LAND USE TYPE BY BASELINE PUMPING ALLOCATION (BPA IN AFY) AND FRACTION (%) OF TOTAL BPA (24,293 AFY).

Does not include 42 AFY BPA for De Alamos Water Rights for Borrego Unified School District and Arroyo Borrego Desert State Park.

FIGURE 21: BORREGO WATER USE GRAPHS

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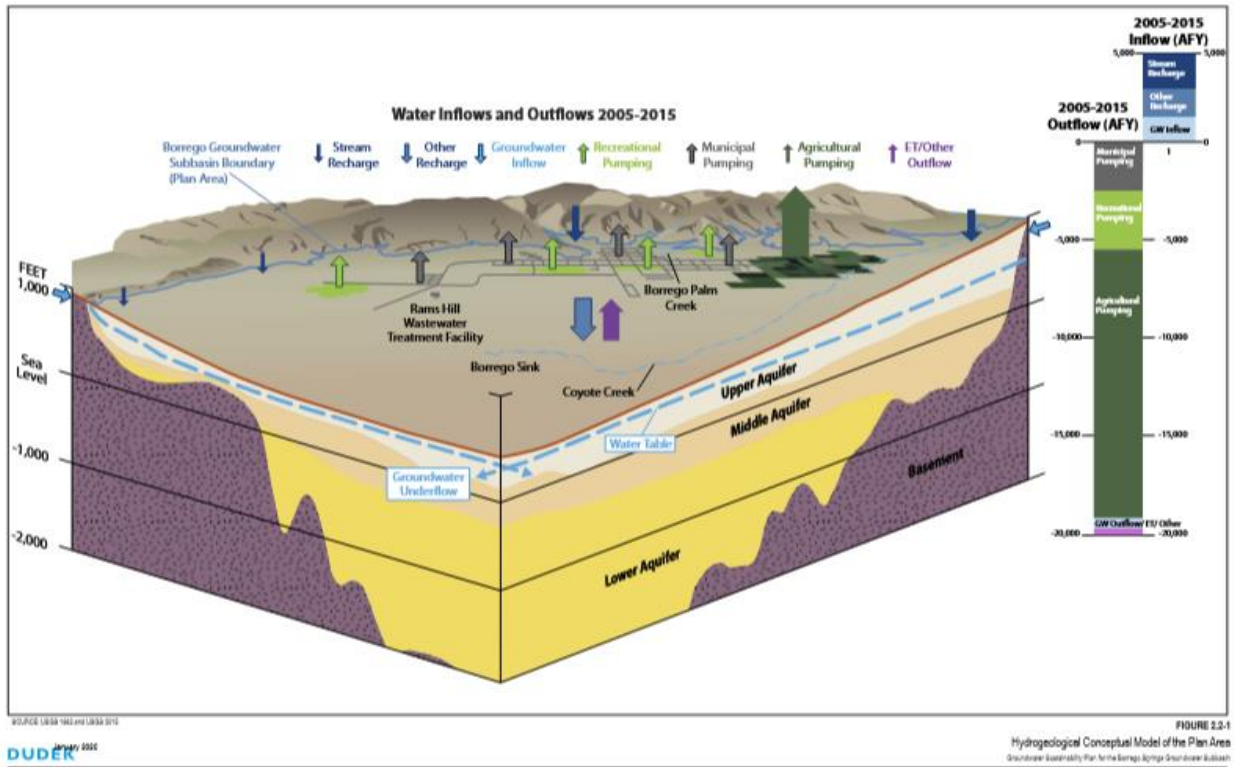
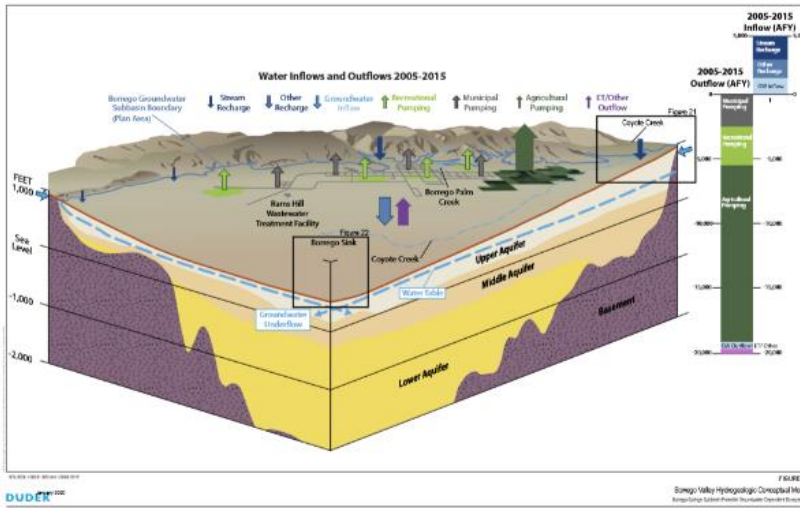


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**BORREGO SPRINGS WHITE PAPER
TOWARDS A RESILIENT, INTEGRATED WATERSHED SCALE MASTER
COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

Table 18. Groundwater Pumping by Sector - 2015 to 2023

Groundwater User Type	Annual Groundwater Extraction, acre-feet									
	2015 ^(a)	2016 ^(a)	2017 ^(a)	2018 ^(a)	2019 ^(b)	2020 ^(c)	2021 ^(d)	2022 ^(d)	2023 ^{(d),(e)}	
Agricultural	15,093.73	15,007.35	13,668.09	13,006.45	13,025.81	12,771.21	11,282.89	8,986.39	7,189.78	69%
Recreational	3,137.39	3,045.22	3,058.91	2,973.94	2,807.67	2,245.84	2,317.84	2,131.40	1,408.81	13.5%
Municipal	1,719.91	1,610.42	1,568.04	1,593.74	1,466.48	1,541.42	1,528.84	1,545.46	1,516.10	14.5%
Other Non-De Minimis	50.40	49.72	47.93	52.51	52.51	52.51	91.89	374.42	288.69	2.7%
De Minimis	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50	.03%
Total Pumping	20,027.93	19,739.21	18,369.47	17,653.14	17,378.97	16,637.48	15,247.96	13,064.17	10,429.88	

(a) Source for 2015-2018 estimates: Dudek. 2020b:

FIGURE 23: HISTORY OF GROUNDWATER PUMPING FOR 2015-2023 BY SECTOR WITH OVERALL MEAN SECTOR PUMPING PERCENTAGE (2015-2018) (Dudek in 2020 GMP)

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COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

Specific tasks of the Biological Restoration of Fallowed Lands component include the following:

- Task 1. Review and Analysis of Existing Data
- Task 2. Existing Fallowed Farmland and Reference Natural Habitat Field Study
- Task 3. Brush Pile Wildlife Sand Fence Case Study
- Task 4. Farmland Fallowing Rehabilitation Strategies
- Task 5. Farmland Fallowing Prioritization
- Task 6. Watermaster's Environmental Working Group Meetings

Land IQ
March 2023

FIGURE 24: SGMA GRANT COMPONENT 6 BIOLOGICAL RESTORATION OF FALLOWED LANDS TASKS

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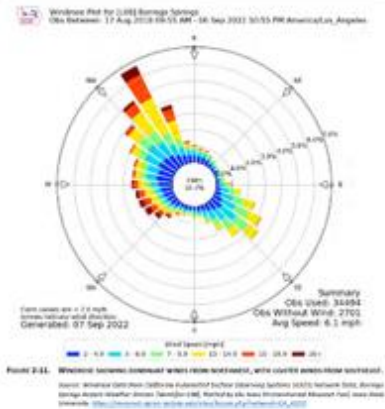
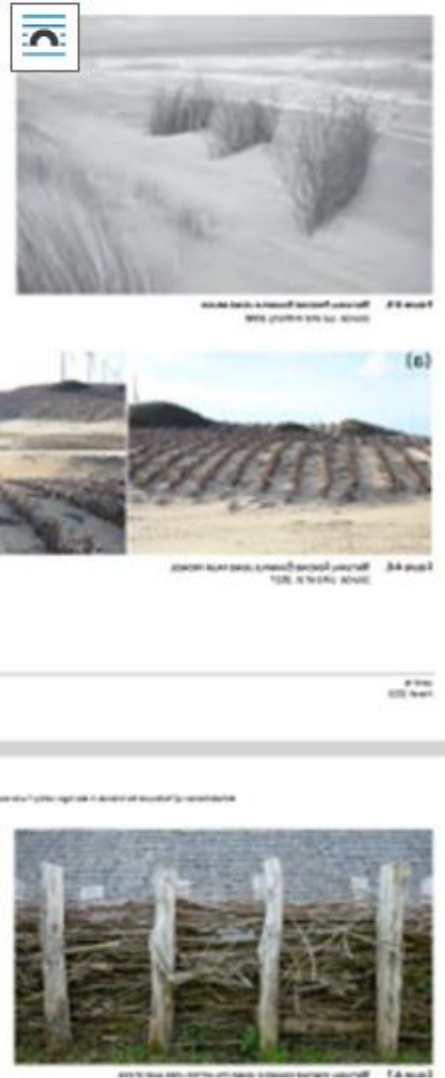
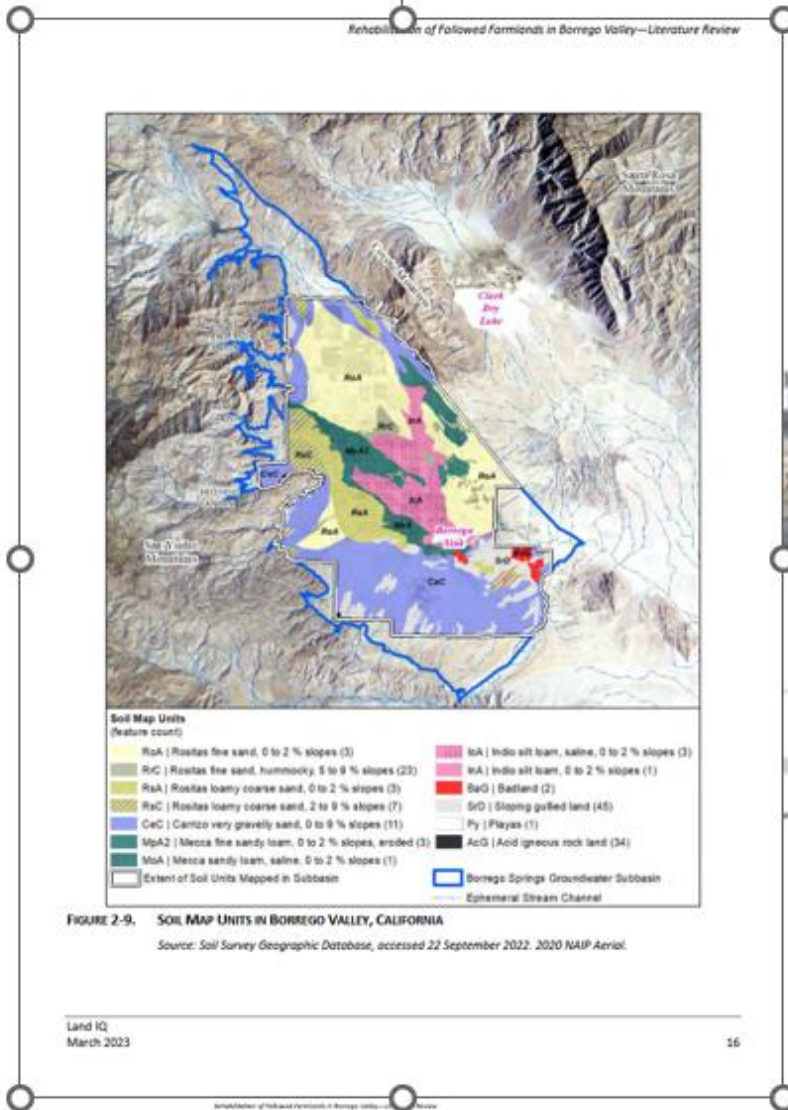


FIGURE 25: SOILS RELATIVE TO WIND PATTERNS AND VARIOUS METHODS OF FALLOW REHABILITATION Source Land IQ and UCI March 2023

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COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

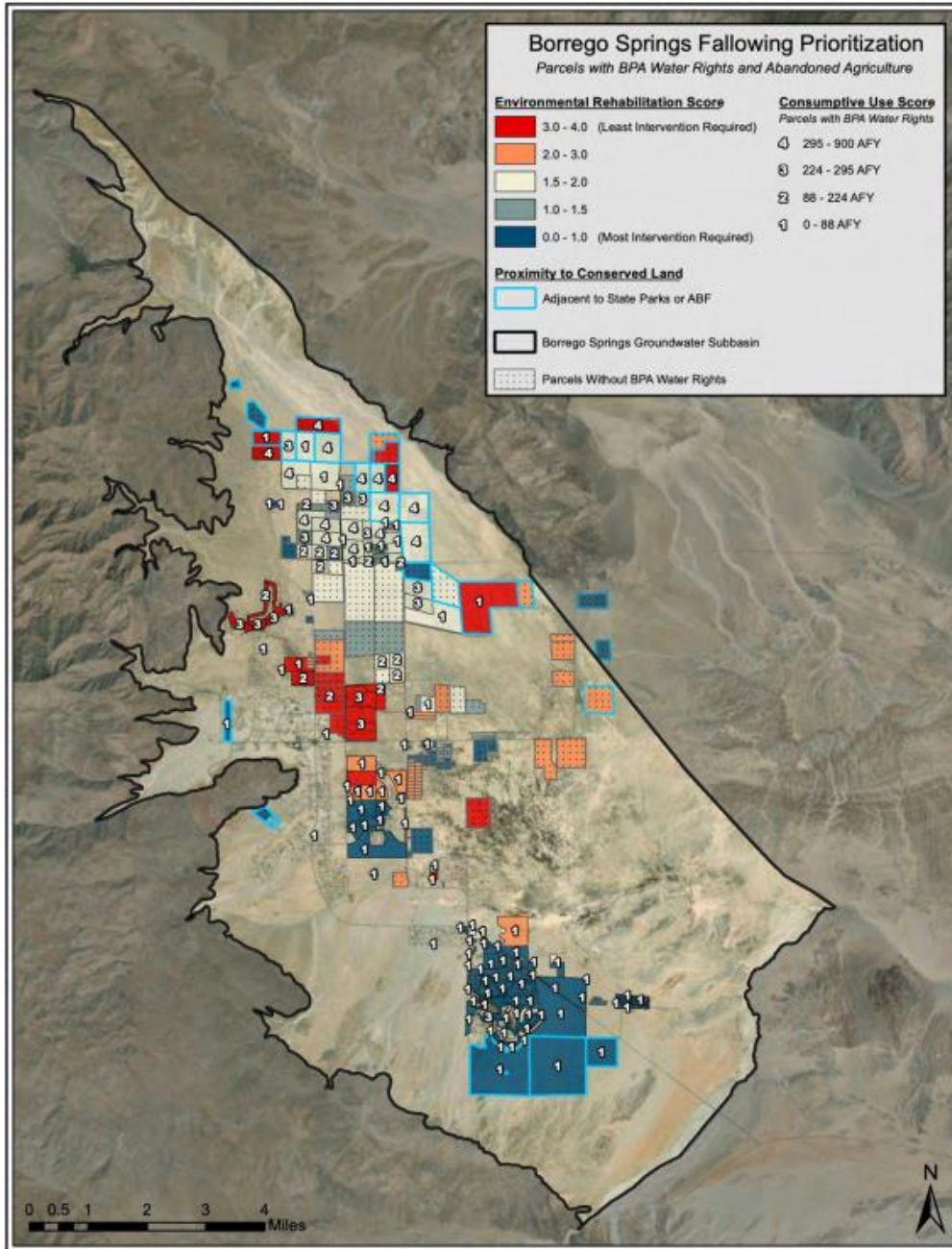


FIGURE 6-1. INTERIM BORREGO SPRINGS FOLLOWING PRIORITIZATION

FIGURE 26: BORREGO SPRINGS FOLLOWING PRIORITIZATION MAP
<https://borregospringswatermaster.com/wp-content/uploads/2023/06/Borrego-Lit-Review-2023-03-31-Final-with-Appendices.pdf>

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COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

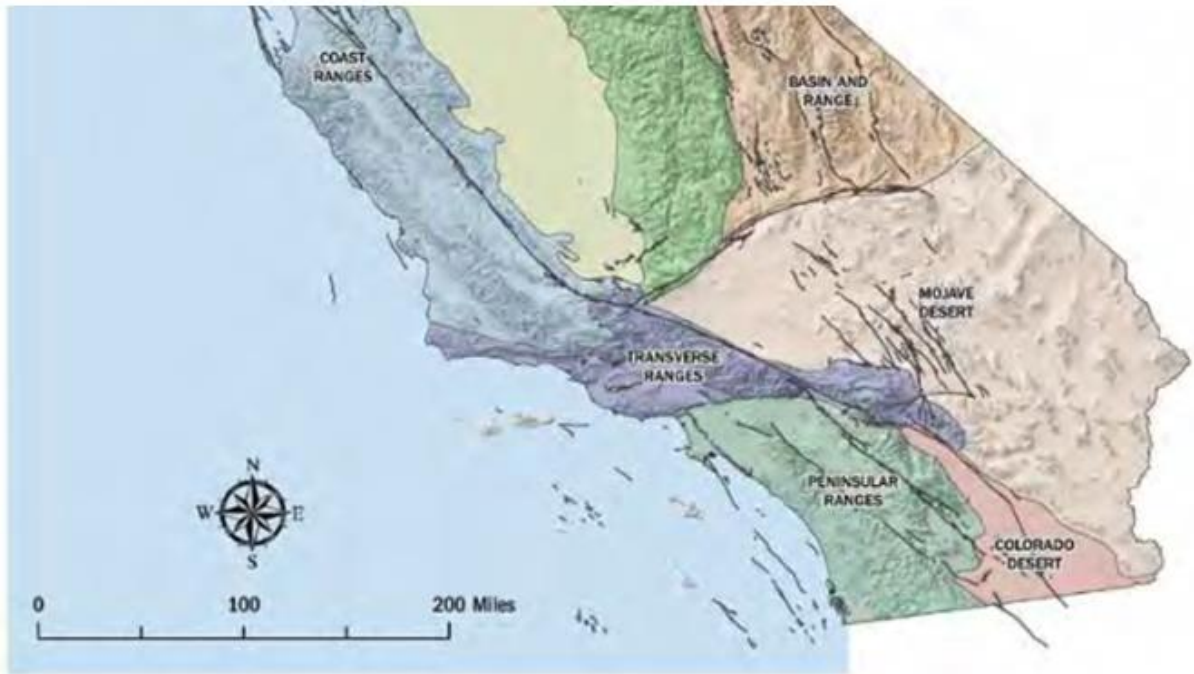


Figure 2-1: Geomorphic provinces with major active faults in black. Note how the faults virtually define many province boundaries.

FIGURE 27: BORREGO AREA FAULT LINES SHOWN IN BLACK
Geological Gems of California State Parks, Special Report 230 – Fuller, M., Brown,
S., Wills, C. and Short, W., editors, 2015, Geological Gems of California, California

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Department of Public Works

Guidelines for Flood Protection of Structures in Borrego Springs

Purpose – To offer information concerning the existing County ordinances and policies regarding flood protection for new structures in Borrego Springs.

Background - The Federal Emergency Management Agency (FEMA) provides federal flood insurance, emergency aid, and assistance in the event of natural disasters. In order for the citizens and local government to qualify for the federal flood insurance, FEMA requires local governments to adopt and enforce certain minimum floodplain management standards.

On December 7, 1993, the Board of Supervisors adopted the [County Flood Damage Prevention Ordinance #8334](#), which establishes flood protection criteria for construction of structures in flood prone areas.

On October 17, 1989, the Board accepted the Boyle Engineering report, *Borrego Valley Flood Management Report*, which specifically deals with flood protection on alluvial fans in Borrego Springs.

Alluvial Fans – Alluvial fans are created when flash floods move rapidly down the steep desert canyons, depositing sand and debris in a fan-shaped pattern onto the desert floor. Smaller flood flows will typically move along an existing channel, or wash, on the fan for several years until either an obstruction is

encountered or the sediment builds up on that section of the fan to a level at or above the general elevation of the local fan. When this condition is reached, the floodwaters can suddenly change course and move to a new wash location on the fan. A design-storm flood is typically too large for the existing washes, will tend to sheet flow across the fan, and may even establish a new wash location. Therefore, all areas on the fan are subject to flooding unless appropriate flood protection is provided.

Specific Sources of Flash Floods – Box Canyon, Unnamed Canyon, Coyote Canyon, El Vado Canyon, Henderson Canyon, Borrego Palm Canyon, Fire Canyon, Hellhole Canyon, Dry Canyon, and Culp-Tubb Canyon complexes have been analyzed and mapped by the County to assist in designing flood protection on these alluvial fans. These areas are shown on the FEMA Flood Insurance Rate Map (FIRM).

The NFIP identifies alluvial fan hazards on FIRMs as Zone AO and provides information on flood depths and velocities. AO zones are Special Flood Hazards Areas (SFHA) subject to inundation by 1% annual chance (100-year) sheet-type flow, which are sometimes associated with high velocities.

Flood Protection - Construction within alluvial fan areas is subject to certain regulations (in addition to those which apply to *all* SFHA's) found in Chapter 44 of the Code of Federal Regulations, Part 60.3:

- Elevate lowest floor (including basement) above the highest adjacent grade to at least as high as the depth number specified on the FIRM. It is recommended, however, that the depth of flow assumed for a site should take into consideration local topographic anomalies when determining the elevation of any flood protection measure.
- Mechanical and utility equipment must also be placed above the depth of flooding.

- Provide adequate drainage paths around structures on slopes, to guide floodwater around and away from proposed structures. The intent is to prevent scour from undermining the foundation of the structure, thus preventing structural collapse.
- Do not deflect flood flow onto adjacent properties.

Summary - Several methods of flood protection are available for flood safe construction in Borrego Springs. However, there is no one method of design acceptable for use on every lot. The method of flood protection chosen for your property must adequately address the local conditions of the land on and upstream of your property. Lots with unique characteristics may require special engineering studies to determine associated flood hazards and flood protection details.

Before purchasing any lot or architectural plans, the potential project owners/developers should obtain all available information about the local geology and possible flood hazards. It is the property owner's responsibility to make certain that the lot and plans together satisfy intended project goals and incorporate flood protection for their property without detriment to adjacent properties. For additional information, please contact the Flood Control Counter at the County of San Diego Operations Center Annex at (858) 694-2112. Information can also be found on the county website at: <https://www.sandiegocounty.gov/content/sdc/dpw/flood.html>.

RFigure 28: COUNTY DEPARTMENT OF PUBLIC WORKS, GUIDELINES FOR FLOOD PROTECTION OF STRUCTURES IN BORREGO SPRINGS, Source: County, Date Unknown.

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Flood Hazard Map

Borrego Valley Alluvial Fans

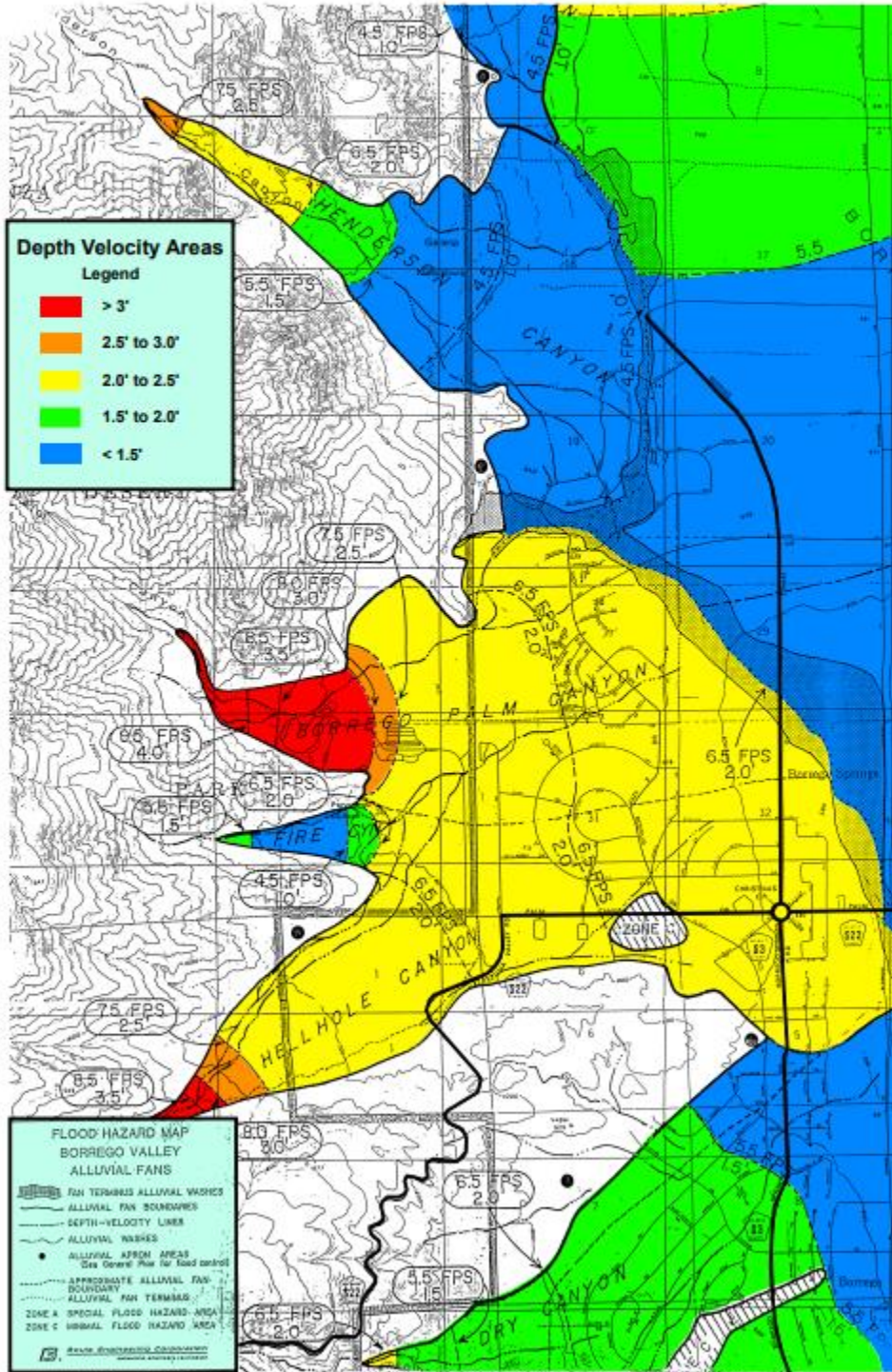


FIGURE 29: FLOOD HAZARD MAP, BORREGO VALLEY ALLUVIAL FANS

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COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

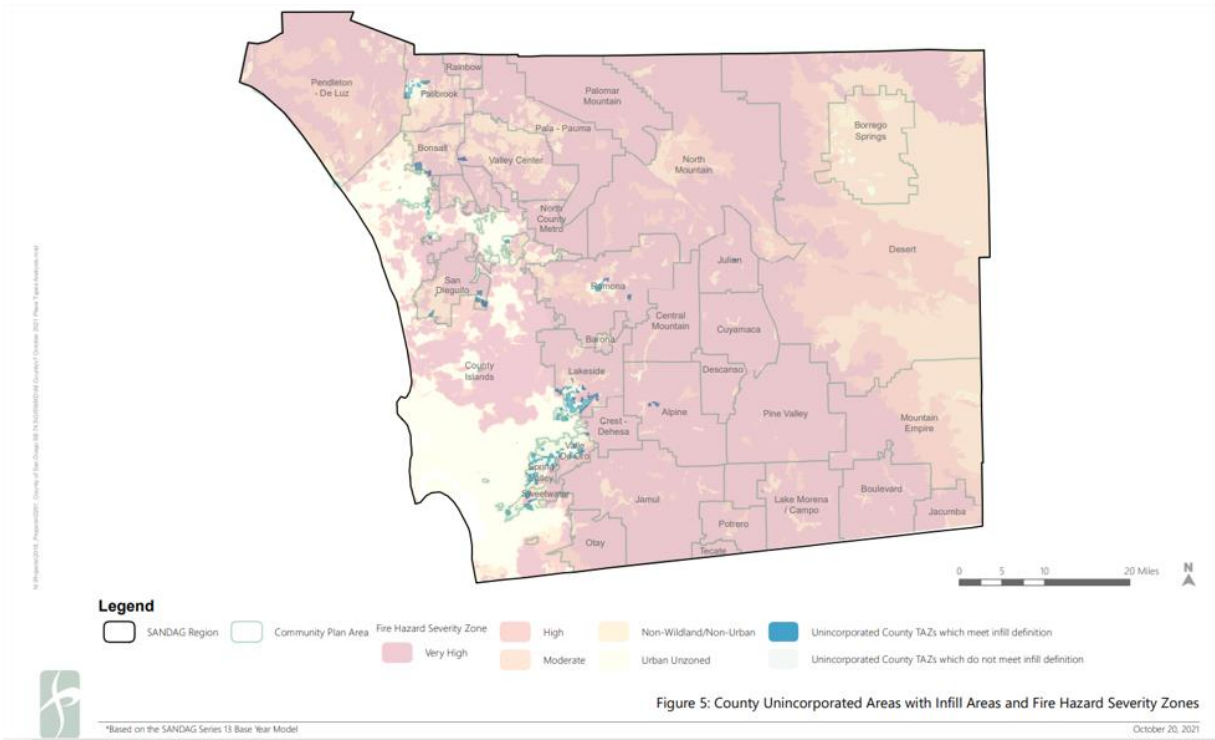


Figure 5: County Unincorporated Areas with Infill Areas and Fire Hazard Severity Zones

FIGURE 30: BORREGO SPRINGS IS MAINLY MODERATE FIRE RISK

Source:

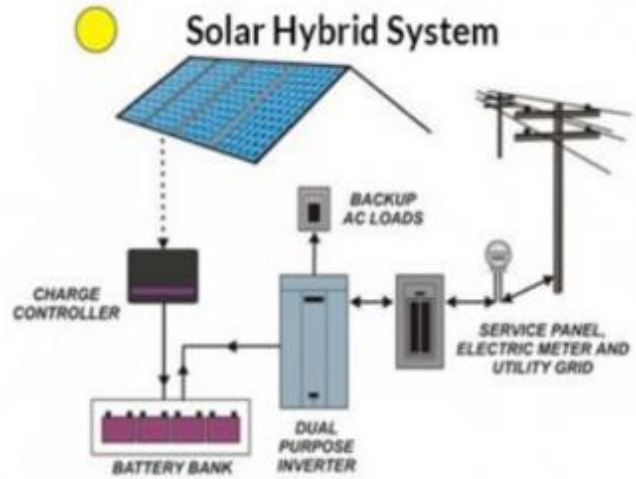
<https://capuc.maps.arcgis.com/apps/dashboards/ecd21b1c204f47da8b1fcc4c5c3b7d3a>

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COMMUNITY PLAN AND COMMUNITY
MARCH 2025**



California Independent System Operator

CommP/AG/02.2025



THIS? → → → → → OR THIS? Source: ZunRoof

FIGURE 31: INDUSTRIAL TRANSMISSION ORIENTED GRID OR LOCALLY DISPERSED ROOF TOP ENERGY (W/OR WITHOUT INTERACTIVE GRID CONNECTION)

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COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

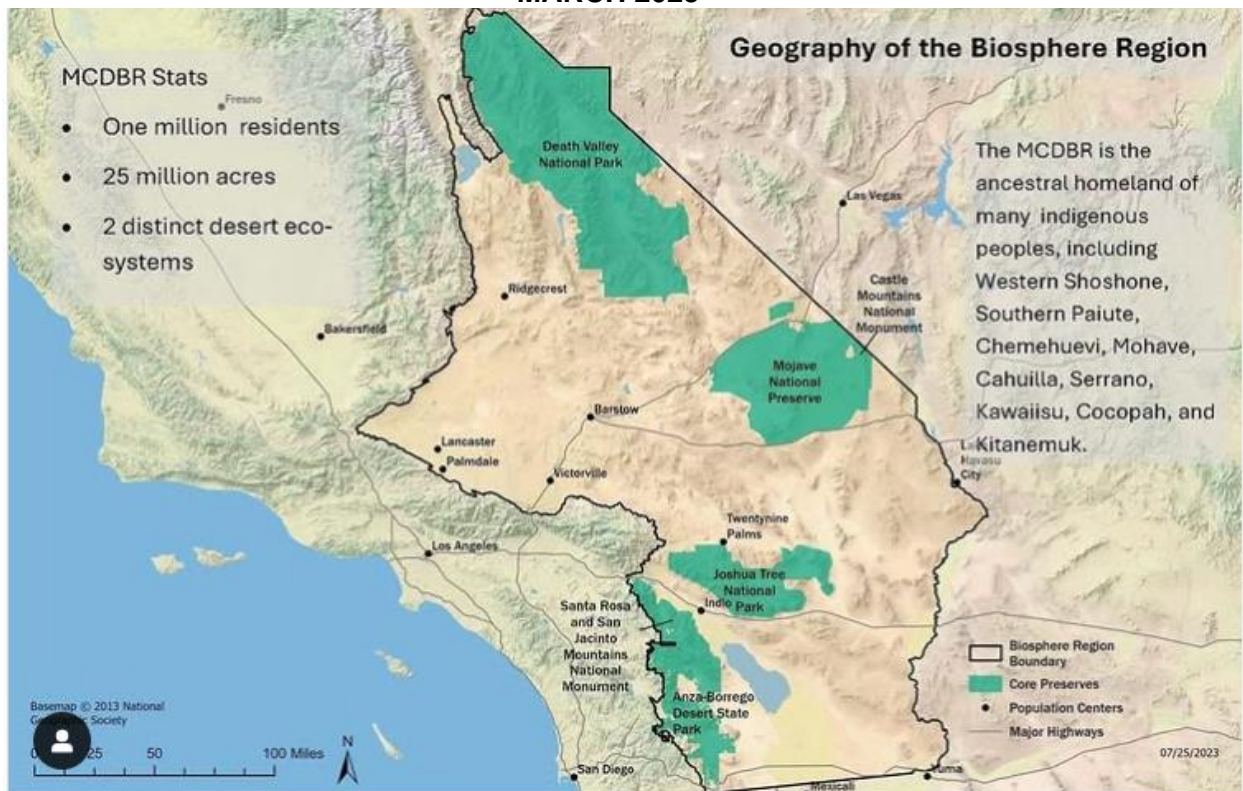


FIGURE 32: BORREGO SPRINGS AND SURROUNDINGS - ANCESTRAL HOMELANDS, BIOLOGICAL CORE PRESERVES (ABDSP) WITHIN THE LARGER MOJAVE AND COLORADO DESERTS BIOSPHERE RESERVE, from AB Instagram page

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COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

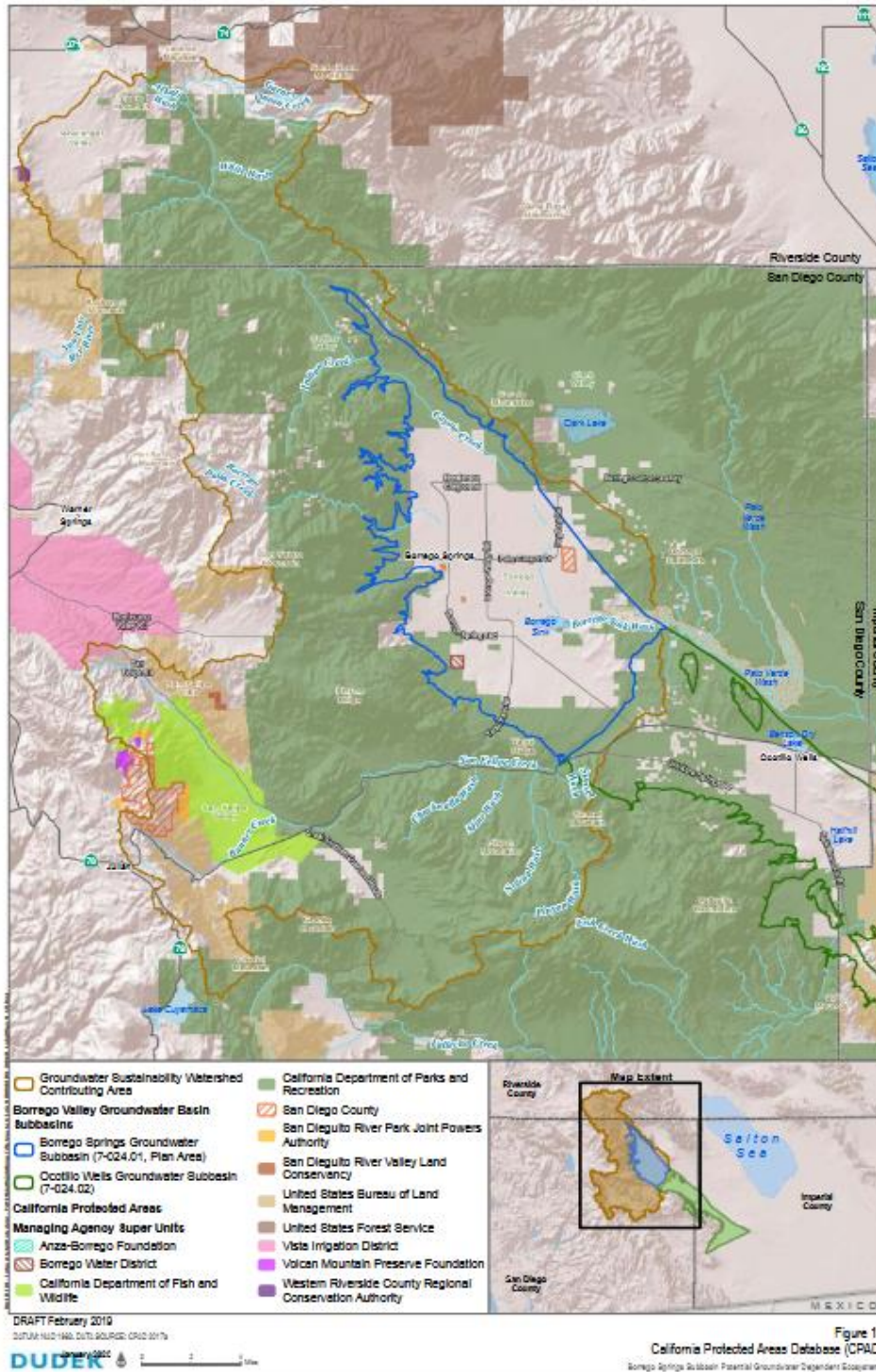


FIGURE 33: CA PROTECTED AREAS DATABASE (CPAD) SHOWING BORREGO SPRINGS CPA WITH ABUTTING PROTECTED LANDS (from Dudek GDE doc)

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COMMUNITY PLAN AND COMMUNITY
MARCH 2025**



Regional Conservation Plans

- **Natural Community Conservation Plan (NCCP)** identifies and provides for the regional protection of plants, animals, and their habitats, while allowing compatible and appropriate economic activity. An approved NCCP leads to state issued "incidental" take authorization for species identified in the plan. A **Habitat Conservation Plan (HCP)** is the federal analog to an NCCP and provides for federal take authorization.
- **Regional Conservation Investment Strategies (RCIS)** voluntary, non-regulatory regional planning process intended to result in higher-quality conservation outcomes, including advance mitigation

FIGURE 34: ADVANTAGES AND BENEFITS OF STATE AND FEDERAL CONSERVATION PLANNING, Pathways to 30x30 Final Report, April 2022

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COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

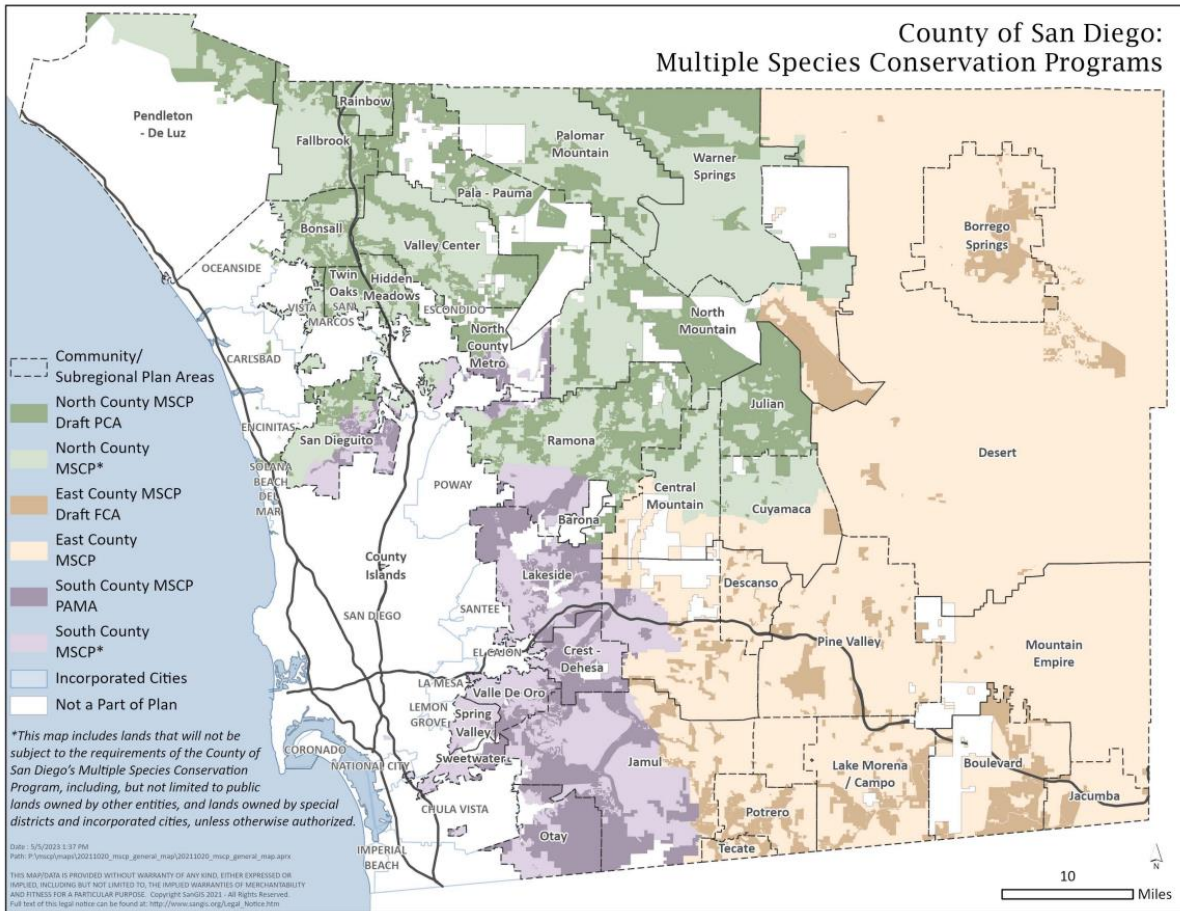


FIGURE 35: COUNTY GENERAL MSCP MAP 2023

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MARCH 2025**

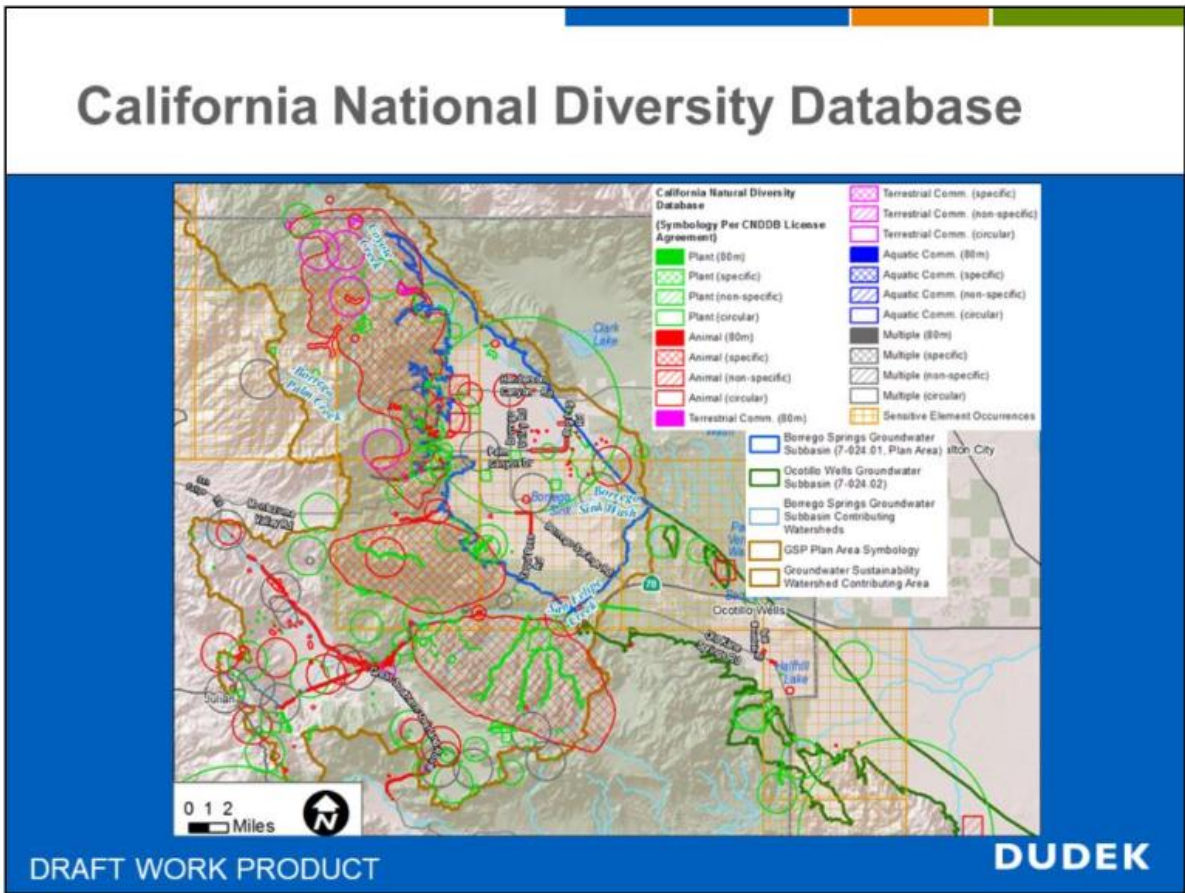


FIGURE 36: CALIFORNIA NATIONAL DIVERSITY DATABASE (CNDDDB) ENTRIES IN AND NEAR BORREGO SPRINGS(Dudek GDE)

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COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

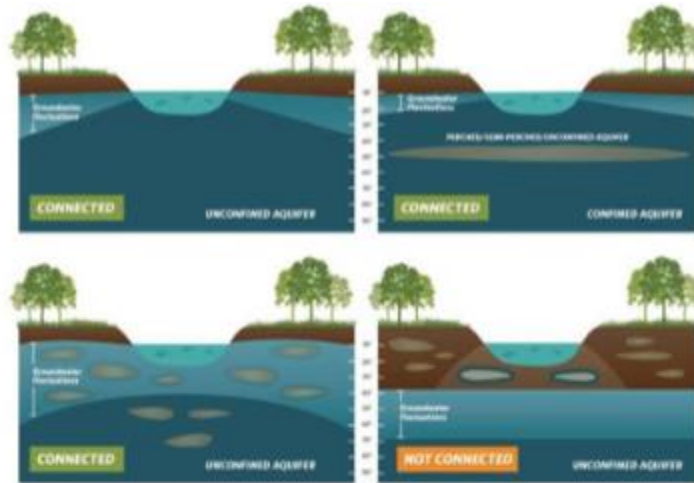


Figure 2. Confirming whether an ecosystem is connected to groundwater in a principal aquifer. Top: (Left) Depth to Groundwater in the aquifer under the ecosystem is an unconfined aquifer with depth to groundwater fluctuating seasonally and interannually within 30 feet from land surface. **(Right)** Depth to Groundwater in the shallow aquifer is connected to overlying ecosystem. Pumping predominately occurs in the confined aquifer, but pumping is possible in the shallow aquifer. **Bottom: (Left)** Depth to groundwater fluctuations are seasonally and interannually large, however, clay layers in the near surface prolong the ecosystem’s connection to groundwater. **(Right)** Groundwater is disconnected from surface water, and any water in the vadose (unsaturated) zone is due to direct recharge from precipitation and indirect recharge under surface water feature. These areas typically support species that do not require access to groundwater to survive.

FIGURE 38: TNC LETTER GRAPHIC, FROM GSP DRAFT PUBLIC COMMENTS SECTION

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MARCH 2025**



Figure 13
Borrego Sink Potential GDEs
Borrego Springs Subarea Potential Groundwater Dependent Ecosystems

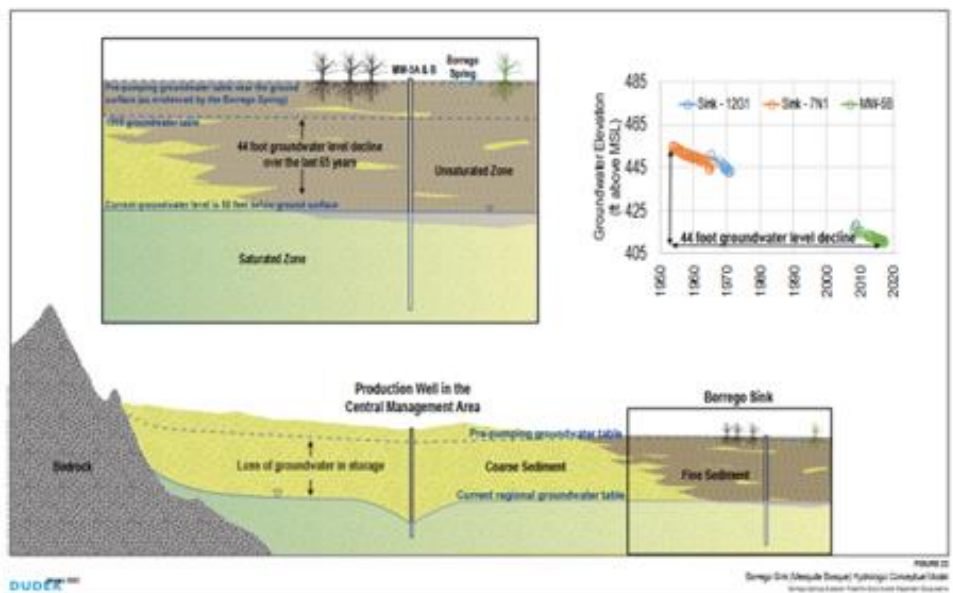
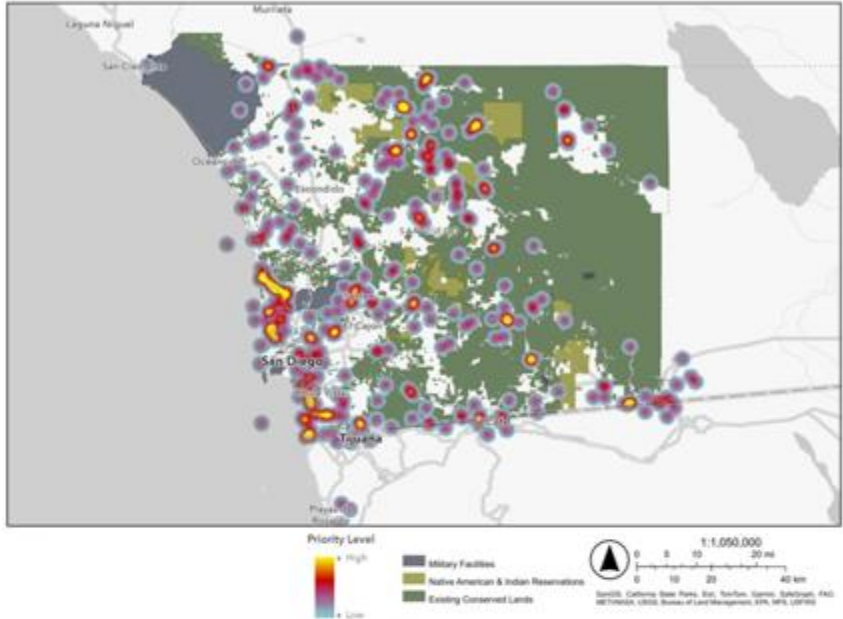


FIGURE 39: SGMA GRANT GROUNDWATER DEPENDENT ECOSYSTEM RESEARCH COMPONENT GRAPHICS

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Heat Map of Priority Areas Identified for Biodiversity Connectivity and Conservation



Desert: Structural and Systemic Needs



- Increase education and community engagement
- Poaching enforcement
- Off-Highway Vehicle (OHV) management
- Flooding infrastructure (changes to landscape with flooding and sediment buildup)
- Enhance specific habitat protections during superblooms
- More funding
- Protect aeolian processes

Desert Habitat / Species

- Invasive species: grasses, plants
- Riparian corridors
- Dunes
- Bighorn sheep
- Birds, crows, windmill bird counts
- Low-abundance sensitive species
- Pollinator plants
- Water conservation
- Cactus shrubs

FIGURE 40: SAN DIEGO'S BIODIVERSITY HEAT MAP AND DESERT SPECIFIC NEEDS

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COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

Source: San Diego Collaboration for Conservation, Sustaining the Region's Legacy of Biodiversity Conservation (SD Nat, June 2024)
San Diego Natural History Museum and SANDAG | San Diego Collaboration for Conservation October 2024



FIGURE 41: MOST EFFECTIVE PATHWAYS TO 30X30 AND 30X30 OBJECTIVES, Source: Pathways To 30x30 California; Accelerating Conservation In California, Final Report April 2022

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TOWARDS A RESILIENT, INTEGRATED WATERSHED SCALE MASTER
COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

GREEN BUILDING INCENTIVE PROGRAM

The purpose of the Green Building Incentive Program is to encourage homeowners and builders to build using environmentally sound practices. This program is in line with the County's Strategic Plan which has established goals of safeguarding our environment and quality of life and encouraging responsible development.

The County of San Diego Green Building Incentive Program is designed to promote energy efficiency, natural resource conservation, and water conservation in new and remodeled residential and commercial buildings. Eligible participants can benefit from program incentives that, along with the potential for long-term savings, make building green a viable alternative to traditional construction.

For more information, please see the [Green Building Incentive Program informational brochure \(PDS #273\)](#).

CALIFORNIA GREEN BUILDING STANDARDS CODE

The 2019 California Green Building Standards Code (CALGreen Code) was adopted by the California Building Standards Commission will be effective for MANDATORY use on January 1, 2020.

The purpose of this code is to improve public health, safety, and general welfare by enhancing the design and construction of buildings through the use of building concepts having a positive environmental impact and encouraging sustainable construction practices in the following categories:

- Planning and design
- Energy efficiency
- Water efficiency and conservation
- Material conservation and resource efficiency
- Environmental air quality.

In advance of the mandatory effective date, the Department strongly encourages everyone to be aware of this new code and familiarize themselves with the upcoming regulations.

For more information, please see the following:

[2019 CALGreen Code](#)

[California Department of Housing and Community Development \(HCD\) CALGreen Information](#)

FIGURE 42: GREEN BUILDING CODE MANDATED FOR USE BY 2020 IN CA (YET COUNTY GUIDELINE # 273 ONLY MENTIONS VOLUNTARY INCENTIVES).

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COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

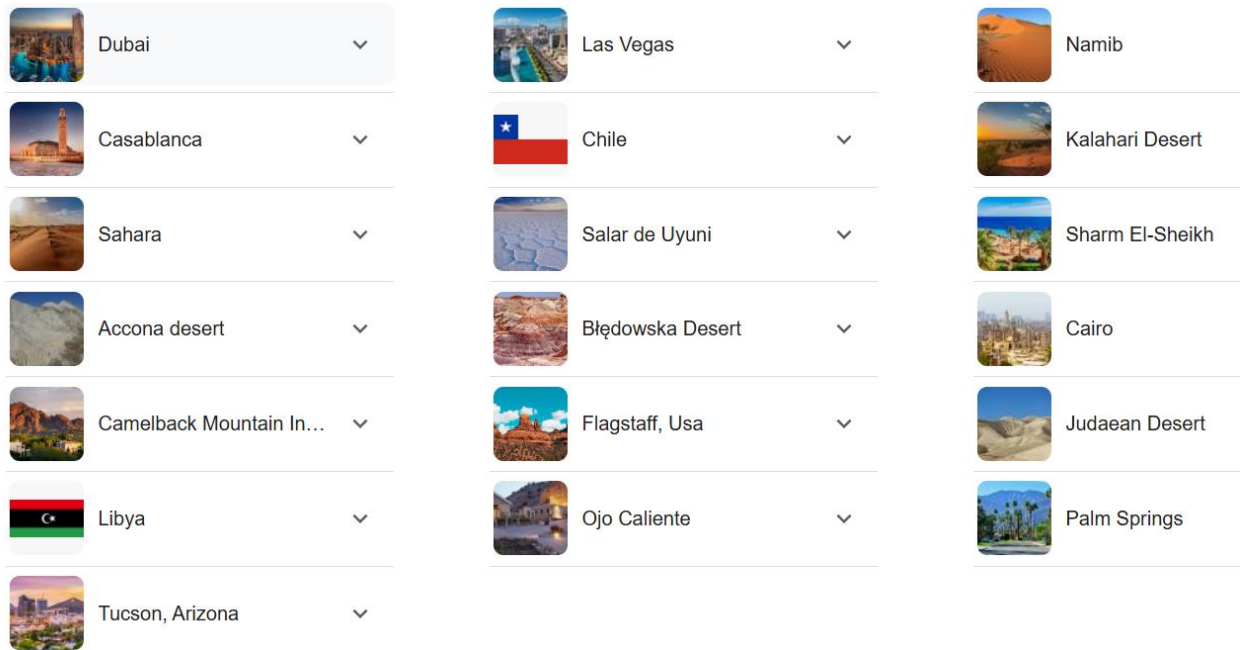


FIGURE 43: INTERNATIONAL (MANY SUSTAINABLE) DESERT COMMUNITIES

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COMMUNITY PLAN AND COMMUNITY
MARCH 2025**



Mid-century modern architecture in Palm Springs, California is characterized by clean lines, open floor plans, and an emphasis on natural light. These homes often have flat roofs, tall windows, and geometric shapes.

Design features

- → **Clean lines:** Simple, basic lines with rectangular windows and doors
- → **Open floor plans:** Create a sense of balance and harmony
- → **Natural light:** Seamless indoor-outdoor living spaces
- → **Organic forms:** Curved contours and flowing lines inspired by nature

Notable examples



- →

Kaufmann Desert House

Designed by Richard Neutra in 1946, this iconic home features large sliding glass doors and open floor plans.



- →

Twin Palms

Designed by E. Stewart Williams for Frank Sinatra in 1946, this estate is known for its piano-shaped pool.



- →

Frey House II

FIGURE 44: MID-CENTURY ARCHITECTURE AND DESIGN IN PALM SPRINGS

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COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

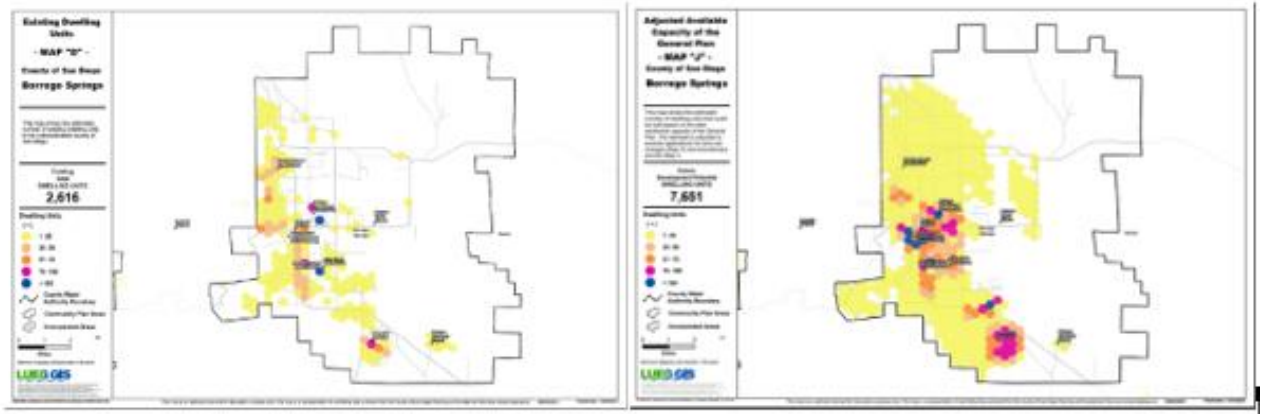


FIGURE 45: ADJUSTED CAPACITY AND FUTURE POTENTIAL DWELLING UNITS Left - Existing Dwelling Units; Right- Adjusted Available Capacity Of The GP Future Potential Dwelling Units

Source:

<https://www.sandiegocounty.gov/content/dam/sdc/pds/advance/DevTracker/BorregoSprings.pdf>

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FIGURE 1 – SCOPING FRAMEWORK FOR TRANSPORTATION STUDIES



FIGURE 3 - DETERMINING LOCAL MOBILITY ANALYSIS TYPE



FIGURE 46: TRANSPORTATION STUDY FLOWCHARTS, Source: County Transportation Study Guidelines (TSG) September 2022

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"The previous TSG was adopted in June 2020 and included the requirement for analysis of vehicle miles traveled -- as mandated by state Senate Bill 743 that was signed into law in 2013. But the 2020 plan only considered vehicle miles traveled within unincorporated areas."

The newly adopted TSG is the first phase of the county's effort to meet the requirements of SB 743. In February, the board narrowly approved measures to speed up new housing development, including aligning projects with state and local air quality and emissions goals."

County planning staff are expected to research a sustainable land-use policy on how development will proceed in the unincorporated areas, and present their findings to supervisors in December."

LED TO THE SLUF 

"Planning staff are also expected to return to the board within roughly a year with updated California Environmental Quality Act guidelines for projects in higher wildfire hazard zones, along with an updated fire protection plan."

Based on a suggestion from Supervisor Joel Anderson, the county will also study other transit opportunities in unincorporated areas and allowing an expansion of wineries in communities such as Jamul and Ramona."

Board Chairman Nathan Fletcher said in a statement that the revised TSG "represents a rethinking of our land use patterns to prioritize infill development, connections to transit and addressing climate change -- while at the same time building more homes in the unincorporated area."

Before the vote, Fletcher told his colleagues that the county's transportation guide needed to line up with SB 743, even if the change is hard. Fletcher said SB 743 became law almost 10 years ago, but county supervisors didn't get involved until 2020. Because state laws are explicitly clear on adopting a regional average in calculating vehicle miles, it would be "recklessly irresponsible" for the board to do something else, he said."

Supervisor Jim Desmond, who argued the county should stick with the unincorporated area standard -- despite the guidance from the state -- was the lone no vote on Wednesday."

Desmond described vehicle miles traveled as "a wrench in the ointment" resulting in fewer opportunities to build affordable housing. Desmond said from what he understands, a regional approach is not mandatory."

"This is the time we should be building housing," Desmond said."

Desmond said it's noble to want more housing near public transit, but not everyone wants to live like a 27-year-old, and some would prefer a single-family home and backyard."

Desmond's proposed amendment, also supported by Anderson, to keep original VMT metrics failed on a 3-2 vote."

In a statement, Anderson said the original VMT metric kept housing capacity at 18,000 homes, but the new one reduces the number of potential homes to about 5,870. Anderson said he doesn't oppose VMT rules if they're implemented correctly."

Supervisor Terra Lawson-Remer, who called the new transportation guide a win-win, said if the county doesn't comply with the state, "we'll have ongoing uncertainty, which is fundamentally worse for everyone."

During a public comment period, representatives of environmental groups and others in favor said a uniform VMT policy was needed for better, more ecologically sound development."

"Now is the time to take bold action to create cleaner air, and slash climate emissions," said Cristina Marquez, an official with the International Brotherhood of Electrical Workers Local 589."

FIGURE 47: COUNTY SLUF IDEA IS BORN (EXCERPTS FROM CITY NEWS SERVICE, POSTED 5:29 PM, SEP 28, 2022)

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TOWARDS A RESILIENT, INTEGRATED WATERSHED SCALE MASTER
COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

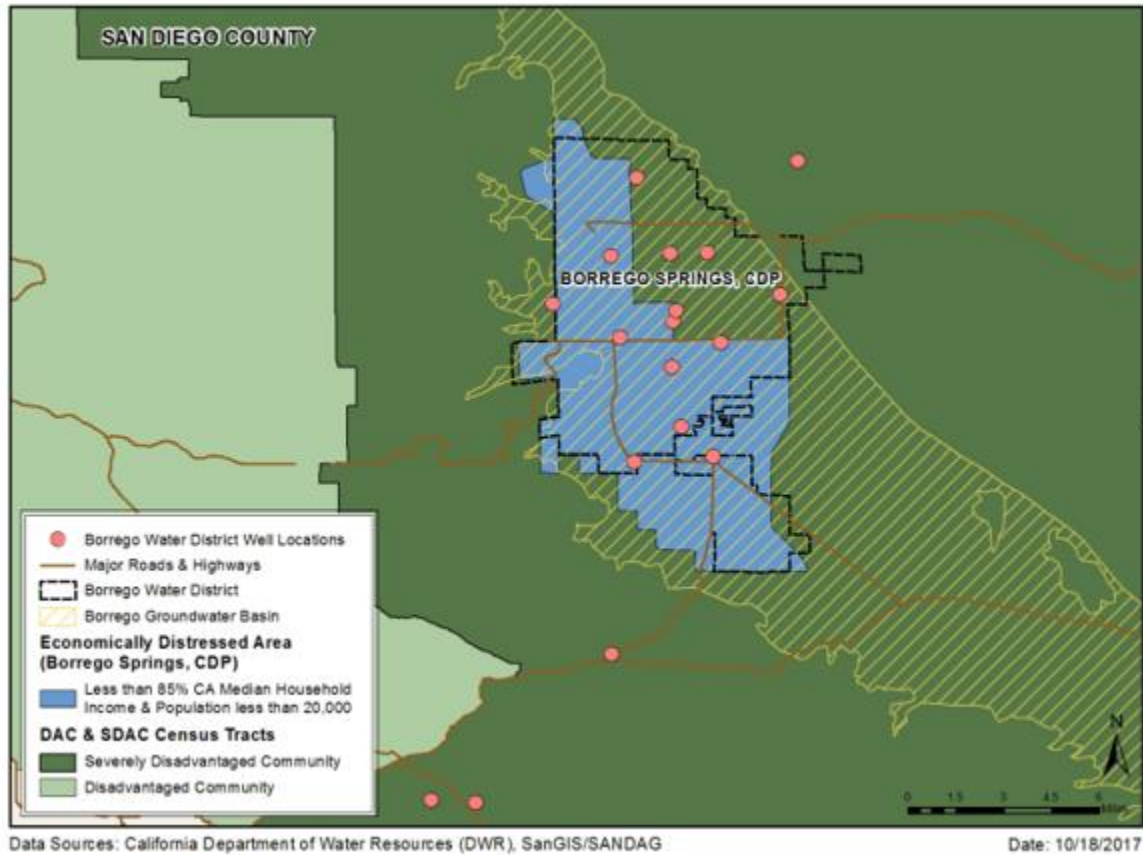
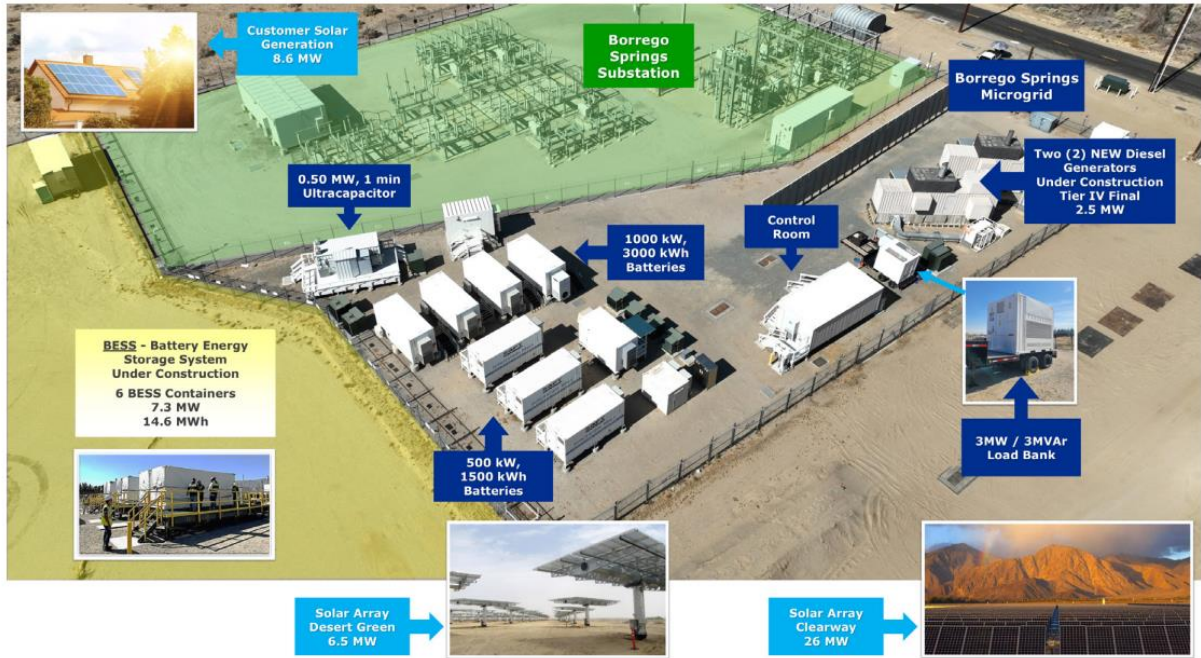


FIGURE 48: BORREGO WATER DISTRICT PROJECT AND SERVICE AREA

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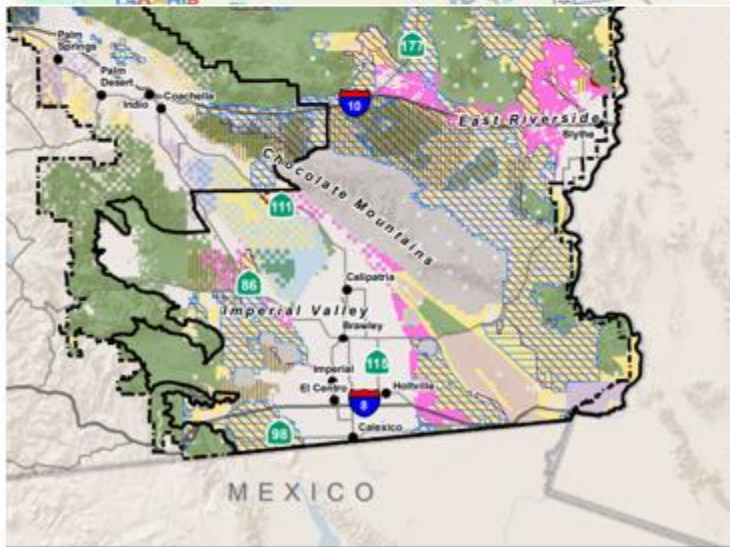
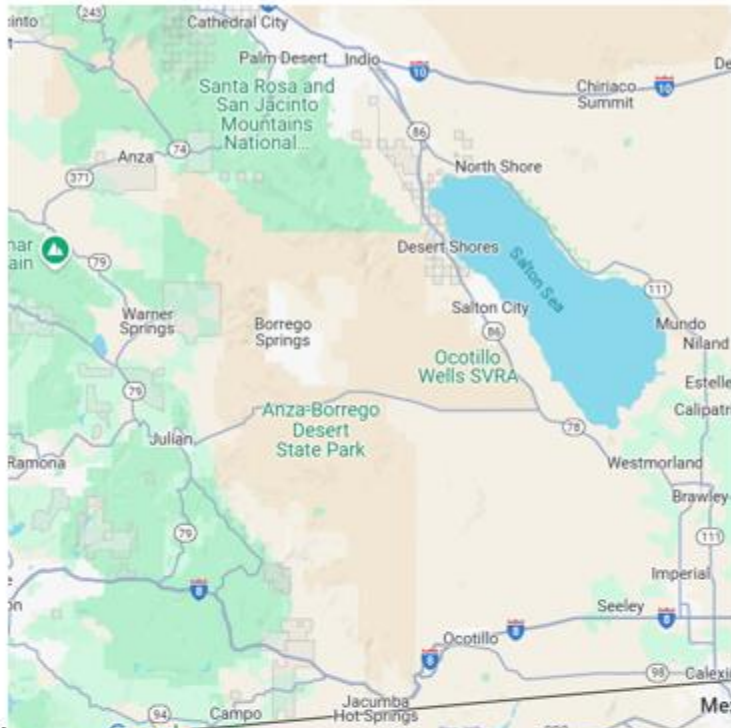
FIGURE 49: BORREGO'S MICROGRID

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TOWARDS A RESILIENT, INTEGRATED WATERSHED SCALE MASTER
COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

<u>BASELINE BMPs FOR EXISTING AND PROPOSED SITE FEATURES</u>	
SD-B	DIRECT RUNOFF TO PERVIOUS AREAS
SD-C	INSTALL GREEN ROOF
SD-E	INSTALL RAIN BARRELS
SD-G	CONSERVE NATURAL FEATURES
SD-H	PROVIDE BUFFERS AROUND WATER BODIES
SD-I	CONSTRUCT SURFACES FROM PERMEABLE MATERIALS
SD-K	SUSTAINABLE LANDSCAPING

FIGURE 50: COUNTY BASELINE BMPS FOR EXISTING AND PROPOSED SITE FEATURES (EXCERPT FROM #040 COUNTY PLOT PLAN (NOT FOR GRADING))

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TOWARDS A RESILIENT, INTEGRATED WATERSHED SCALE MASTER
COMMUNITY PLAN AND COMMUNITY
MARCH 2025**



**FIGURE 2
DRECP LUPA Major Land Allocations**

September 2016

**FIGURE 51: COMPARISON MAP OF BORREGO AREA TO DRECP ENERGY
“DEVELOPMENT FOCUS AREAS IN PINK**

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COMMUNITY PLAN AND COMMUNITY
MARCH 2025**

BIODIVERSITY FRIENDLY ENERGY

Hierarchy (in Order of Preference) - Protocol for Placement and Design:

#1 Use local, dispersed designs on existing development

- Use both Roof Top and Parking Lot Solar and Mini-Wind on both commercial and residential buildings and land at scale

#2 Use existing disturbed lands

- Use brown fields (capped land fills), Use non-native pasture/fallow field that are not adjacent to sensitive biologi

#3 Avoid use of undisturbed habitat

- . Avoid Greenfields, Do not use Pristine deserts, Forested mountains, or Native Habitat of any kind

#4 Incorporate innovative nature based solution (NBS) friendly designs

Build lightly with nature. Use vertical stacking; Use movable, flexible, recyclable design. Incorporate NBS - i.e. horizontal access think floating horizontal axis wind turbines with bird roosts on top.

#5 Build redundancy and resilience within communities, allow off-grid/private/local energy for when Big Power goes down

- Think Lahaina,-and LA, avoid power and communication loss. Protect in place by Increasing fire safe independent power from batteries etc. Protect the vulnerable (young and old from heat stroke and those with limited mobility).

#6 Upgrade and replace in Place

- Reconductor to increase efficiency,add additional circuits by reconfiguring existing industrial transmission towers

#7 Streamline regulations

- . Add back government incentives (bring back favorable NEM) Work to restore trust in Solar Companies, Microgrid Utility Providers & CCAs - have them make good on their proposal promises.
- . Do not alter CEQA and ESA - do not pit green Energy against 50 years of environmental progress

#8 Consider Energy Miles Traveled (develop EMT scores similar to VMTs for carbon & environmental impact)

source: ASK Environmental San Diego

FIGURE 52: BIODIVERSE CLEAN ENERGY GUIDELINES; Source C3 Energy in the Backcountry June 26. 2024

<https://studio.youtube.com/video/vF1OWCKsOk/edit>