



Borrego SGMA Advisory Committee

Item 4: Overview of Groundwater Sustainability Plan



Jim Bennett, Groundwater Geologist

Leanne Crow, Hydrogeologist

April 10, 2017

Contracting for GSP



- **Prime Consultant: Dudek, Inc.**
 - Corporate Headquarters in Encinitas
 - 400+ planners, scientists, civil engineers, licensed contractors and technical staff
- **Subconsultants:**
 - GeoSyntec Consultants (primary subconsultant)
 - Environmental Navigation Services
 - Wiedlin & Associates, Inc.
 - Raftelis Financial Consultants, Inc.
 - Hidden Valley Pump Systems, Inc.
 - O'Day Consultants
 - Babcock Laboratories

GSP Process



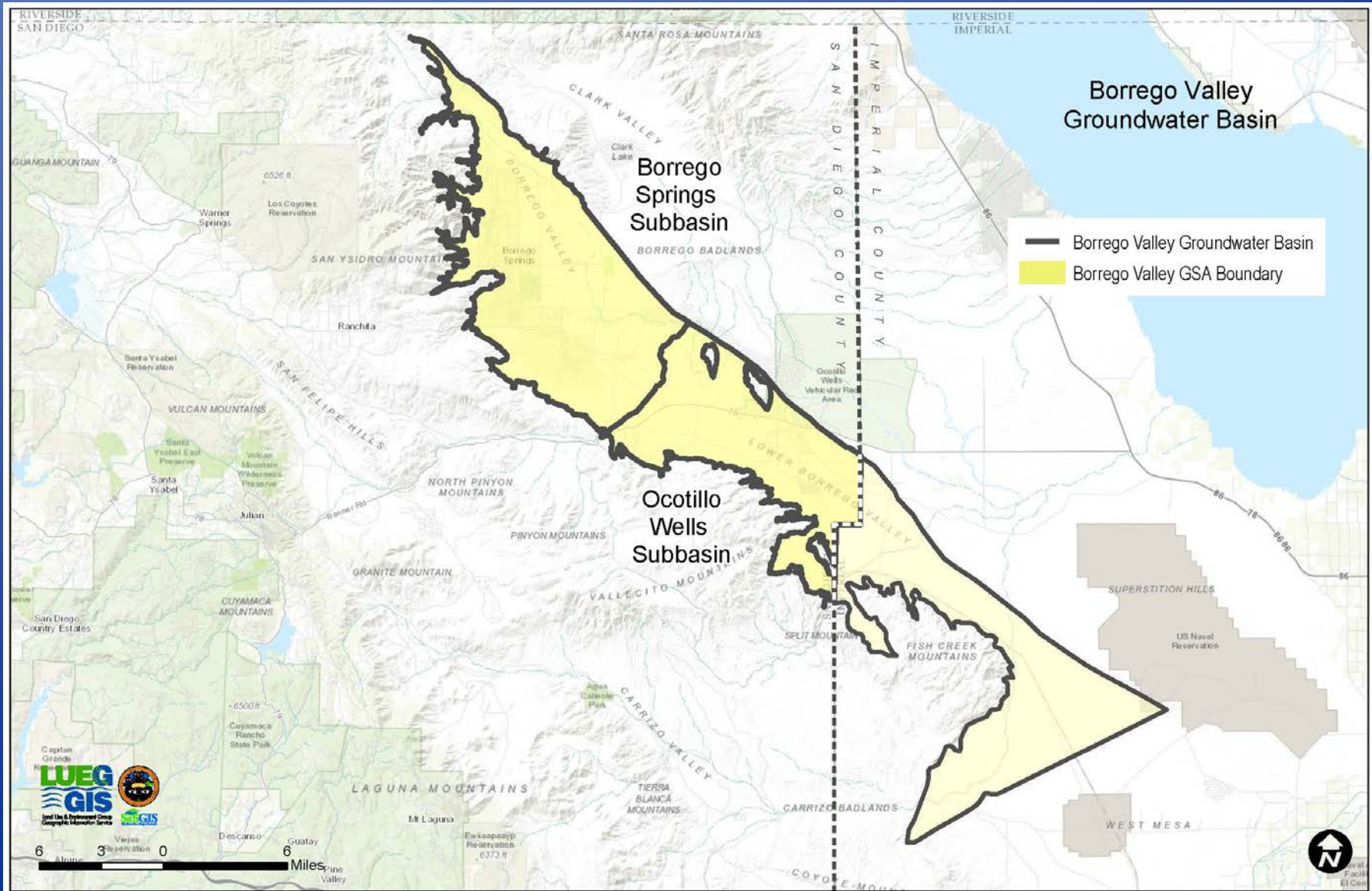
GSP Preparation: Estimated Two Year Process with AC

California Environmental Quality Act (CEQA): Preparation of CEQA documentation anticipated to commence at or near adoption of the GSP. An Environmental Impact Report may be required.

- CEQA is not applicable to GSP preparation and adoption.
- CEQA is applicable to any project that would implement actions pursuant to the GSP.

Land Use Coordination: GSP will evaluate the existing General Plan, Zoning Ordinance, Community Plan, and other land use-related regulations. Any work to amend regulations will require Board of Supervisors approval at the time of GSP adoption.

Borrego Valley Basin

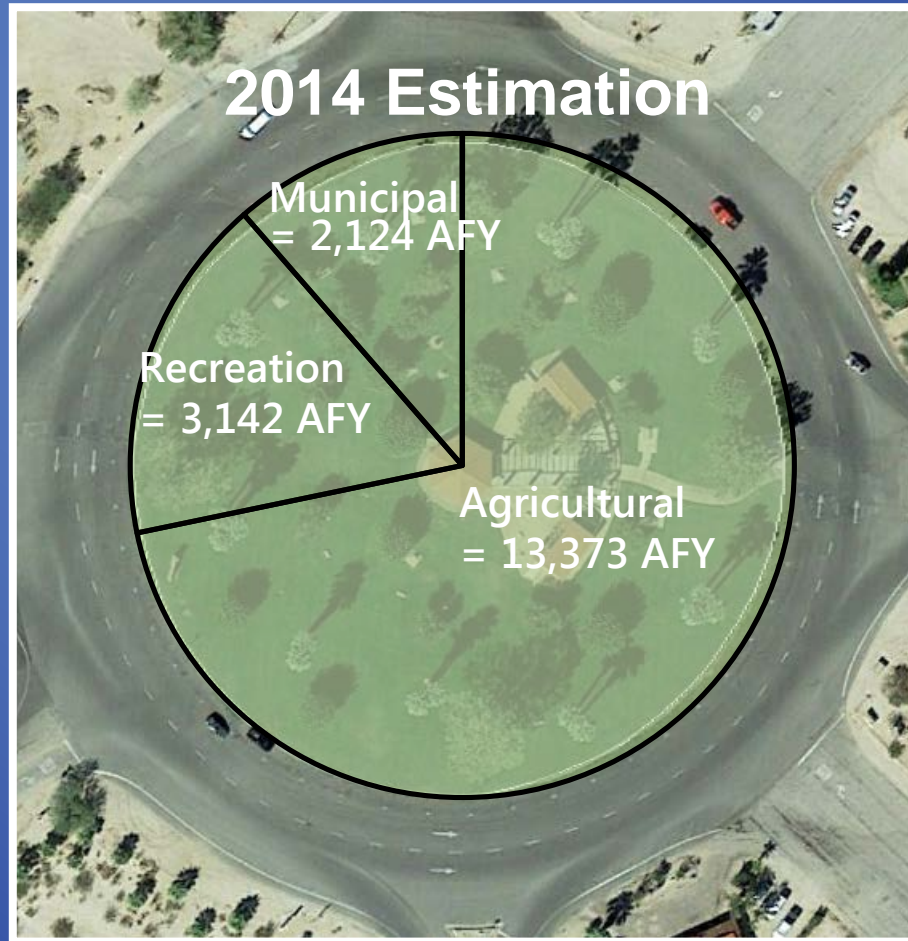




Outline of GSP

1. Existing Data Compilation
2. Existing Data Assessment
3. Evaluate/Develop Monitoring Program
4. Develop Data Management System
5. Water Level and Water Quality Collection
6. Water Budget
7. Development of Projects, Management Actions, and Best Management Practices
8. Support Projects and Management Actions
9. Groundwater Sustainability Plan

Baseline Groundwater Production



GSP action: Need to update estimated baseline water use to data from January 1, 2015 per Water Code § 10720.5

Sustainable Yield

How Do We Get There?



GSP action: Update water budget and sustainable yield

Projects and Management Actions: Different Paths to Evaluate/Consider



Examples:

- Water Conservation/Efficiency
- Land Use/Planning
- Water Credits/Entitlements

Brainstorming Session: What Projects and Management Actions are viable for all sectors?

Projects and Management Actions: Water Conservation/Efficiency Projects



Municipal End Use Efficiency:

- What potential system(s) will be effective to incentivize “smartscapes” (e.g., xeriscapes) to reduce outdoor water use?
- What regulations will be necessary (e.g., landscape restrictive regulations)?



Recreation End Use Efficiency:

- What potential system(s) will be effective to incentivize optimization of irrigation of grass/use of native plantings?



Agricultural Fallowing/Efficiency:

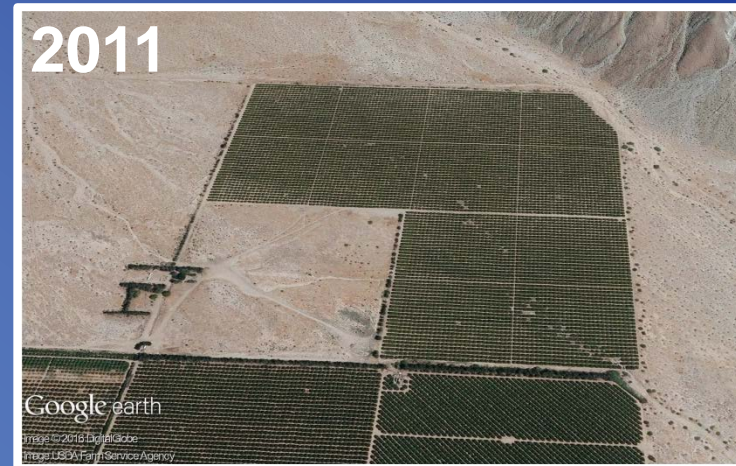
- What potential system(s) will be effective for fallowing agriculture?
- What is the future for agriculture?
- Irrigation efficiencies for remaining agriculture?

Projects and Management Actions: Sustainable Land Use – Vision 2040



How do you envision land use for Borrego Springs in the year 2040?

Projects and Management Actions: Water Credits/Entitlements



Input from all sectors is required to develop a water credit/entitlement program, which includes appropriate benchmarking protocol for establishing and managing basin annual withdrawal reduction.

Internet Resources



Sustainable Groundwater Management Act:

- County of San Diego SGMA Website:
- <http://www.sandiegocounty.gov/pds/SGMA.html>
- Department of Water Resources:
- <http://www.water.ca.gov/groundwater/sgm/>