



DRAFT WORK PRODUCT



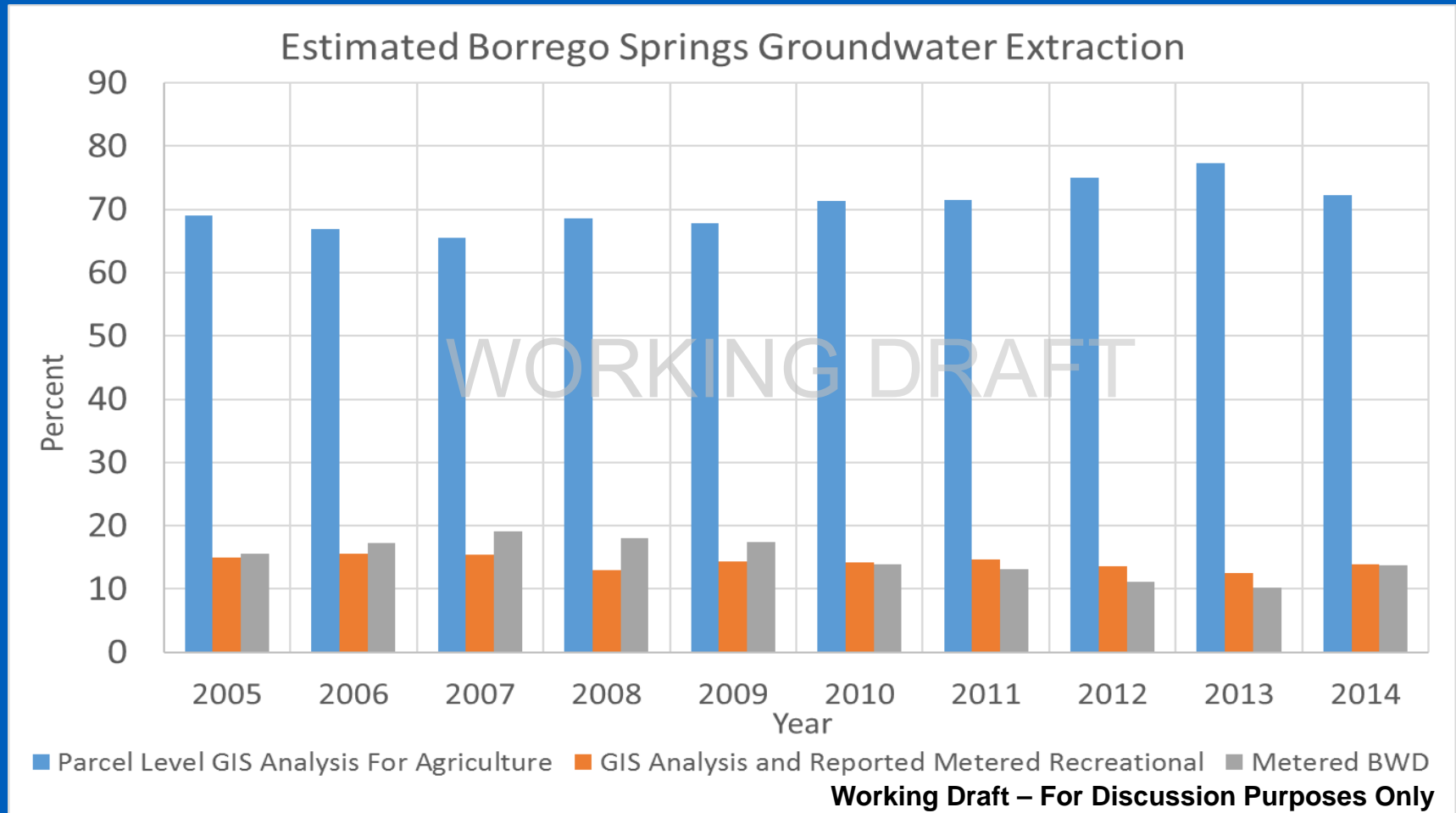
**Borrego Valley Groundwater Basin
Borrego Springs Subbasin
Baseline Pumping Allocation and Sustainability Goals**

**Borrego Valley Groundwater Basin
Sustainability Plan**

Advisory Committee Meeting

September 28, 2017

Estimated Groundwater Extraction for Baseline Pumping Allocation



Note: Estimated Borrego Springs Groundwater Extraction excludes extraction from State Parks, Borrego Air Ranch, and Non-De Minimis Users

Estimated Groundwater Extraction for Baseline Pumping Allocation

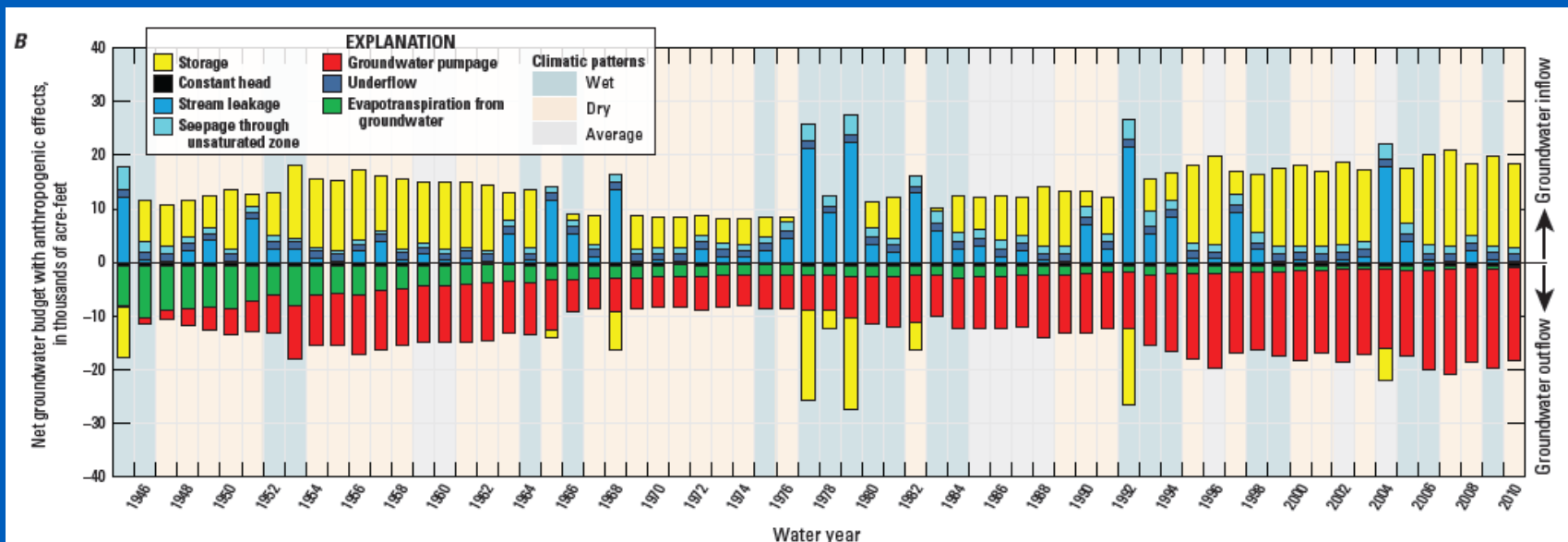
Use Type	Source Of Data	Percent of Average Annual Acre Feet
Agriculture	Parcel Level GIS Analysis	72%
Recreation	GIS Analysis and Metered	15%
Borrego Water District	Metered	13%

*Percentage based on average annual groundwater extraction from 2005-2014

Working Draft – For Discussion Purposes Only

Borrego Springs Subbasin Sustainability Goal

- The Groundwater Sustainability Plan is intended to meet the overarching sustainability goal of SGMA to operate the Borrego Springs Subbasin within sustainable yield without causing undesirable results



Source: USGS 2015

Sustainability Indicators

- **Applicable**
 - **Chronic Lowering of Groundwater Levels**
 - **Reduction in Groundwater Storage**
 - **Degraded Water Quality**

- **Not Applicable/Limited Applicability**
 - **Seawater Intrusion**
 - **Land Subsidence**
 - **Depletion of Interconnected Surface Water¹**

1. As per SGMA Section 10727.2 (b)(4) "The plan may, but is not required to, address undesirable results that occurred before, and have not been corrected by, January 1, 2015". Thus, pre-January 1, 2015 impacts to groundwater dependent ecosystems are explicitly excluded as an undesirable result.

Undesirable Results

Sustainability Indicator Example:

- **Chronic lowering of groundwater levels**
 - Indicates a depletion of groundwater supply
 - Dry wells
 - Loss of well production
 - Increased pumping cost

Measurable Objectives

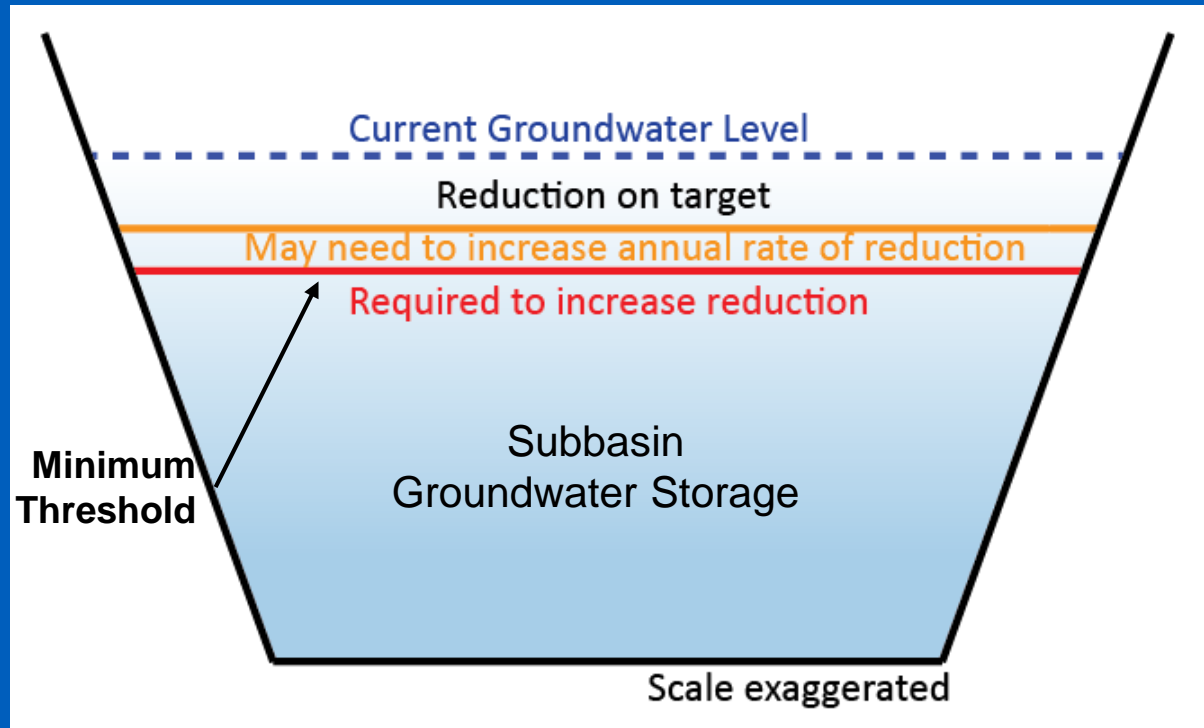
Sustainability Indicator Example:

- **Chronic lowering of groundwater levels**
 - **Decrease the historical rate of groundwater level decline to preserve available groundwater storage in Borrego Springs Subbasin**

Minimum Thresholds

- **Chronic lowering of groundwater levels**
 - Groundwater table at or below a specific groundwater elevation at indicator wells.

Preliminary Five Year Minimum Pumping Reduction Plan



Reduction plan required to be reassessed at the 5 year mark