DRAFT WORK PRODUCT

Borrego Valley Groundwater Basin
Borrego Springs Subbasin
Water Credits Program

Borrego Valley Groundwater Basin Sustainability Plan

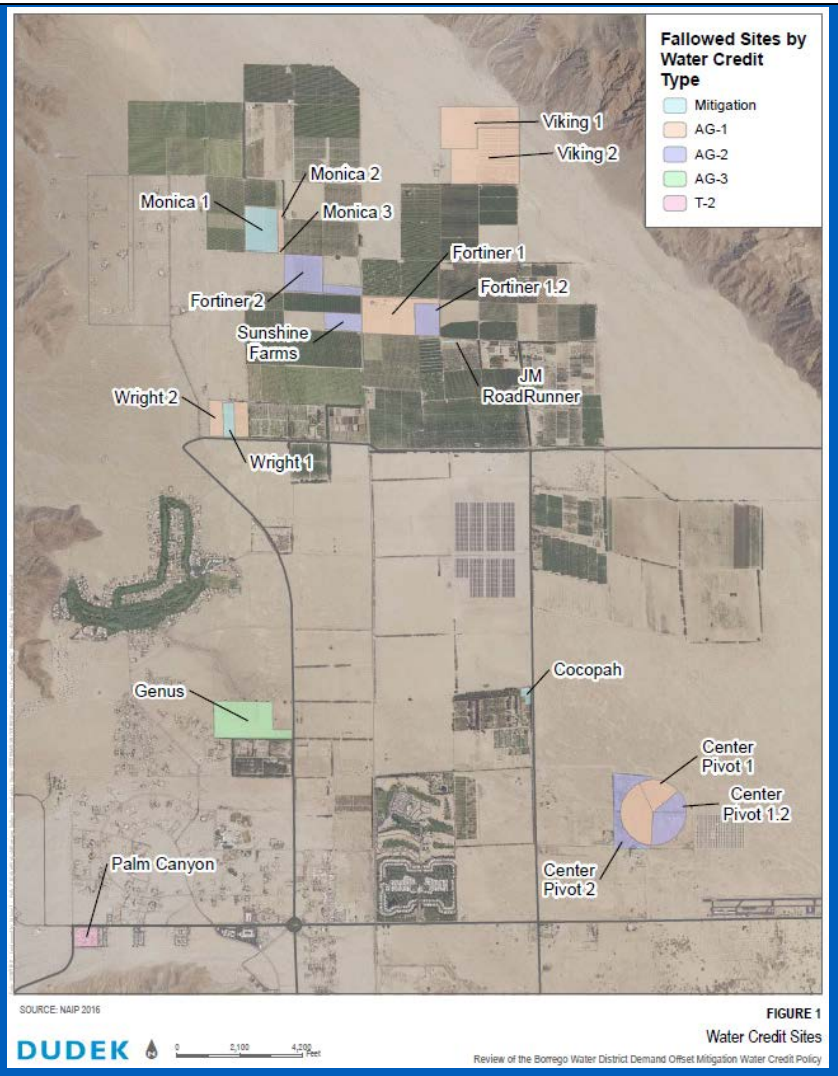
Advisory Committee Meeting

January 25, 2018

Geosyntec consultants

DUDEK

Water Credits



1,886.5 Issued Water Credits

45.5 Retired Water Credits*

1,840 Available Water Credits

***2.4% of issued water credits retired**

Represents Approximately 9.5 % of Estimated Total Baseline Pumping Allocation in Subbasin using 5-Year Maximum Period

Note: Mitigation sites were not issued water credits as they were fallowed for direct mitigation (54.28 acres fallowed for mitigation representing water use of 262.2 acre-feet).

Water Credits Evaluation Methodology

Evaluated in context of Baseline Pumping Allocation

- **Determined maximum irrigated acreage by assessor's parcel number (APN) for all water credits sites in geographic information systems (GIS) using aerial imagery**
- **Documented crop types by APN**
- **Maximum Irrigated Acreage by APN was multiplied by crop-specific groundwater consumptive use factor to determine baseline pumping allocation**
- **Baseline pumping allocation compared to issued water credits to determine conformance**

Water Credits Evaluation Results/ Recommendation

Preliminary Results (in acre-feet per year)

Available Water Credits = 1,568 (AG-1 equivalent)

Baseline Pumping Allocation = 1,599.5 acre-feet per year

Difference = +31.5

Consultant Recommendation

Acceptable water credits should be converted to baseline pumping allocation to be included in the Groundwater Sustainability Plan (GSP).

The water credits program should be dissolved and replaced by a GSA water trading program.

Converted water credits would be subject to pumping reductions required as part of the GSP.

Questions and Discussion