

KDA-DWR Report

Official Review of a Water Conservation Area (WCA)

Smith Ranch WCA; Greeley, KS

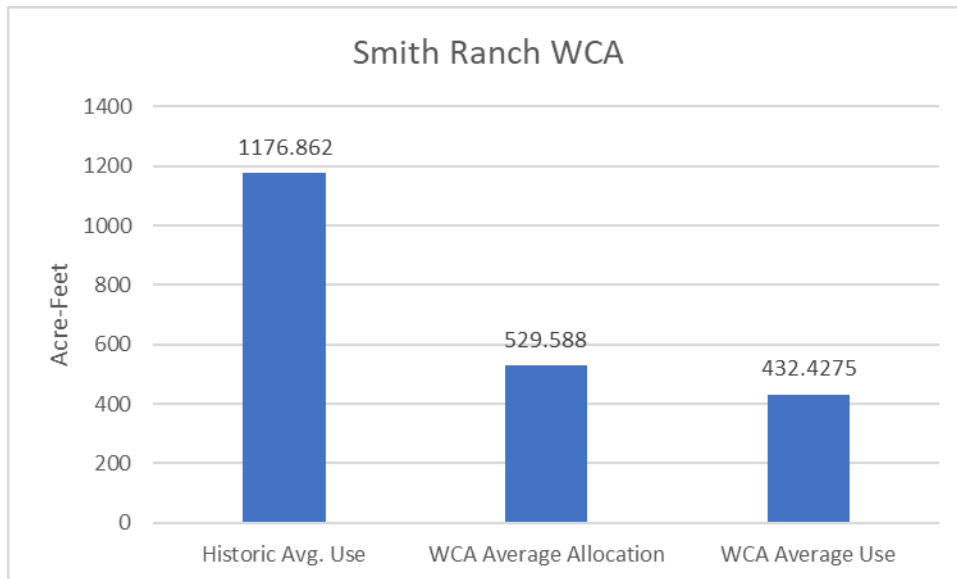
January 2019 through December 2023

Review of Total Water Use of Water Rights Enrolled:

During the term of this WCA, water use was limited to 2,647.940 acre-feet (AF) for Irrigation use. The total water use reported annually, under the listed water rights, during the term of this WCA are as follows:

2019 Water Use (AF)	2020 Water Use (AF)	2021 Water Use (AF)	2022 Water Use (AF)	2023 Water Use (AF)	Total WCA Water Use (AF)	Unused WCA Water Allocation (AF)	Total WCA Limit (AF)
250.206	360.622	231.480	492.109	395.293	1,729.71	918.23	2,647.940

The total average use during this WCA was 432.4275 acre-feet.



Review of Corrective Control Provisions:

This WCA had 8 Irrigation wells within its geographic boundaries which were used for irrigation purposes. No flexibilities were requested except for a multi-year allocation.

As of the end of the 2023 calendar year, no adverse impacts have been noted and no concerns were received from nearby well/landowners.

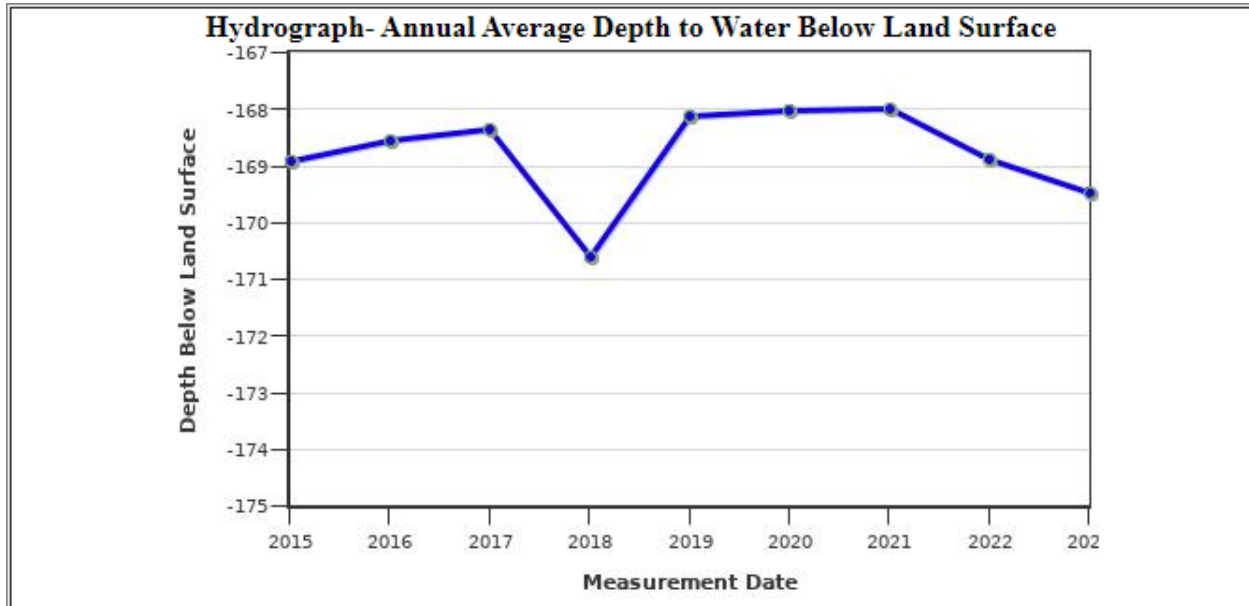
Review of Compliance Monitoring and Enforcement:

During the period of this WCA, there were no compliance or enforcement issues relating to the water rights and corrective controls of the management plan.

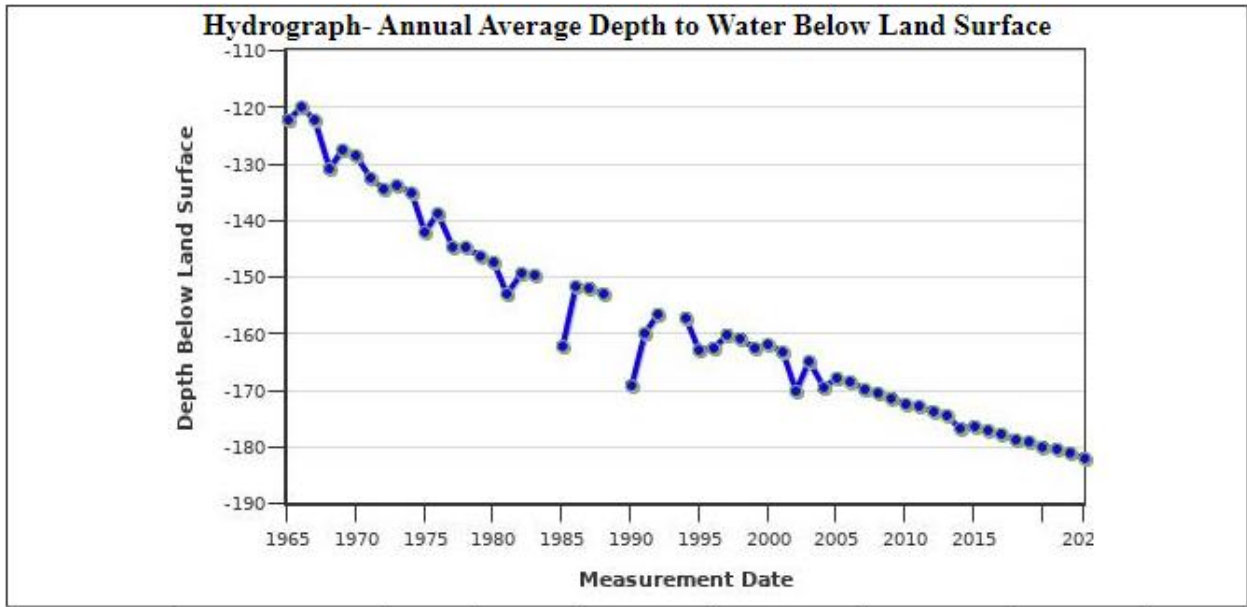
Review of Water Level Changes:

Below are the nearby observation wells documented in the management plan.

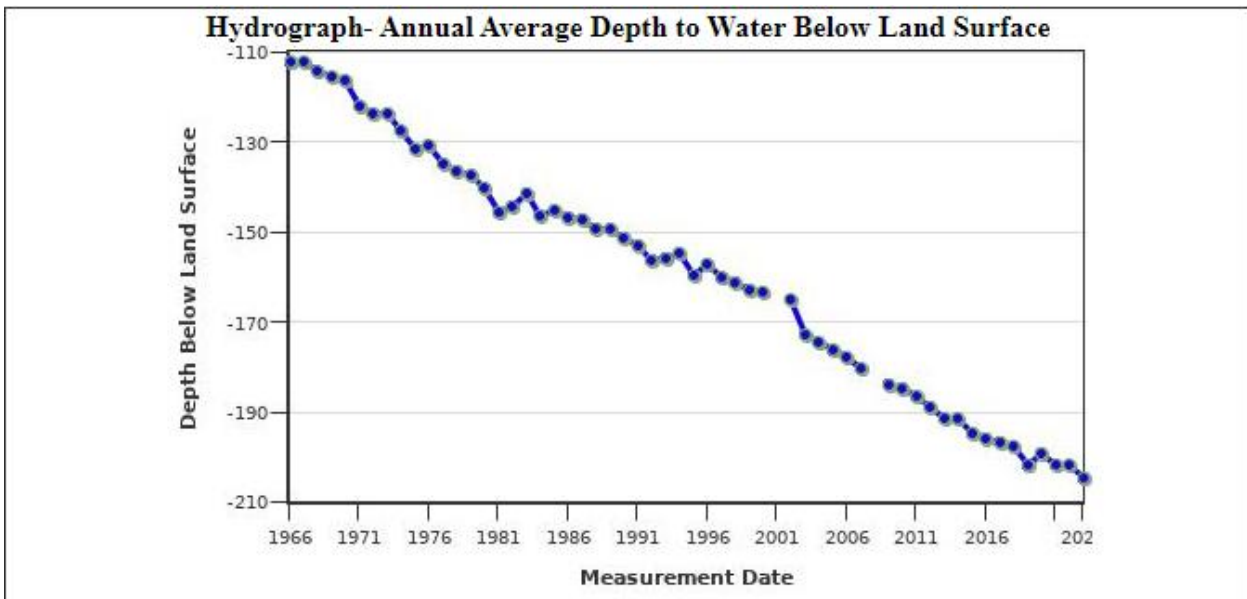
Location: 16S 39W 15CDC 01



Location: 16S 40W 15ACC 01



Location: 15S 41W 36DDB 02



Review of Economic Impacts:

No official economic reports have been published at this time. A water technology farm existed on the WCA geographic boundary during the WCA period. The water technology farm is a public /private partnership program that focuses on irrigation technologies and management strategies for agricultural applications, resulting in potential measurable groundwater conservation.

Review of Public Interest:

The WCA has conserved water, thereby extending the useable life of the Ogallala Aquifer in the Regional area and serving the public interest.

Summary of Review by KDA-DWR:

It is determined that this WCA has met its goals throughout the designated term. This WCA conserved almost 35% of its WCA allocation; thereby saving water beyond the agreed original WCA reduction. The owners of this WCA met all requirements of the WCA Consent Agreement and Order. In summary, we see no need to deny a request from the owner(s), should they request another WCA in the near future.