

## KDA-DWR Report

### Official Review of a Water Conservation Area (WCA)

Westside Dairy WCA; Stanton, KS

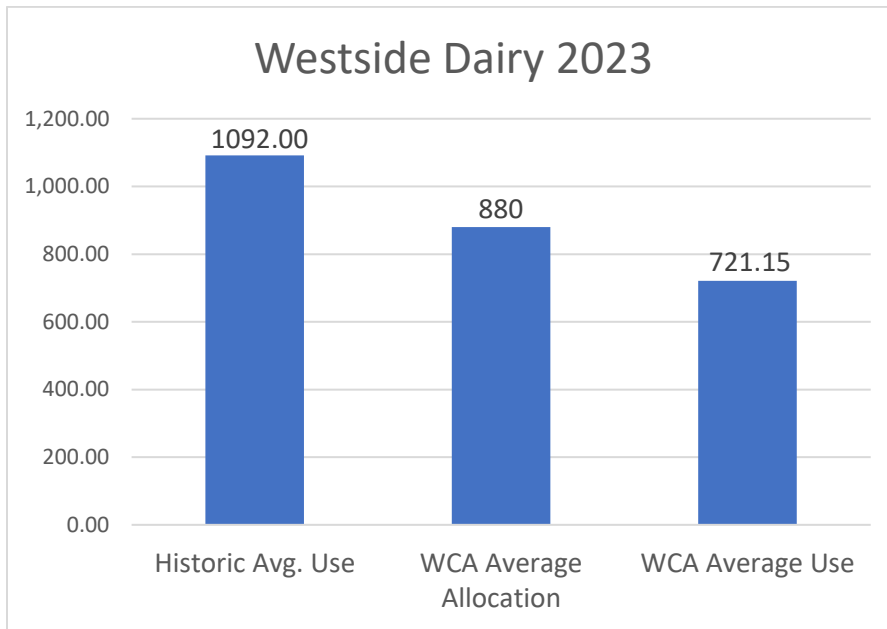
January 2019 through December 2023

***Review of Total Water Use of Water Rights Enrolled:***

During the term of this WCA, water use was limited to 4,400 acre-feet (AF) for irrigation and stockwater 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)
639.967	748.285	519.65	979.587	718.27	3605.759	794.241	4,400

The total average use during this WCA was 721.152 acre-feet.



***Review of Corrective Control Provisions:***

This WCA had 2 irrigation wells and 2 stockwater wells within its geographic boundaries which were used for irrigation and stockwater purposes. Out of the 2 irrigation wells, only one was utilized during the WCA period. The other irrigation well under the Water Right File No. 11695-D1 was not used to further conserve water. The only flexibility in the plan was the grouping of an allocation between three wells through approved term permits. The water rights associated with

these wells were: File Nos. 8,209 and 9,096. Stockwater use for dairy operation and livestock consumption was limited to 490 AF annually. File No. 8,209 was limited to 693 AF annually. Grouping of the two wells under File No. 9,096 were held to 150% (624AF) of an annual authorized quantity.

File No. 9,906 ID-2 did exceed its base water right's authority during those years, but File No. 9,906 ID-1 never exceeded its base water right's authority. The total allocation of 624 AF between the two wells was never exceeded in any calendar year during this WCA period. Additionally, File No. 8,209 never exceeded its corrective control limit nor its annual authorized authority in any calendar year of the WCA period.

As of the end of the 2023 calendar year, no adverse impacts have been noted and no concerns were received from nearby well/landowners. The flexibility in the WCA supported the goals set within and allowed the dairy to operate at its designed capacity.

***Review of Compliance Monitoring and Enforcement:***

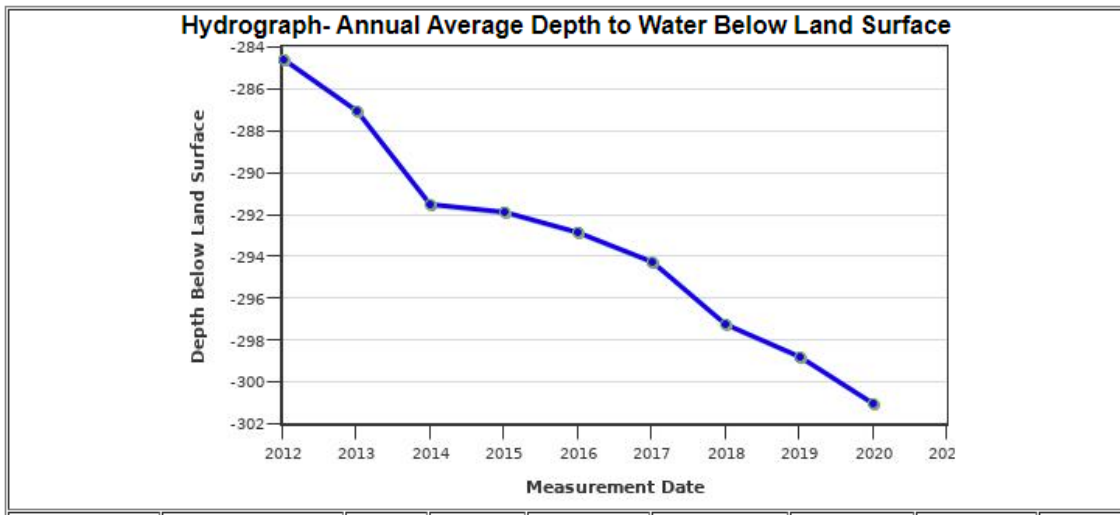
During the period of this WCA, there were no compliance or enforcement issues relating to the water rights and corrective controls of the management plan.

***Review of Water Level Changes:***

Below are the nearby observation wells documented in the management plan. Note that the measurements were taken in early calendar year months.

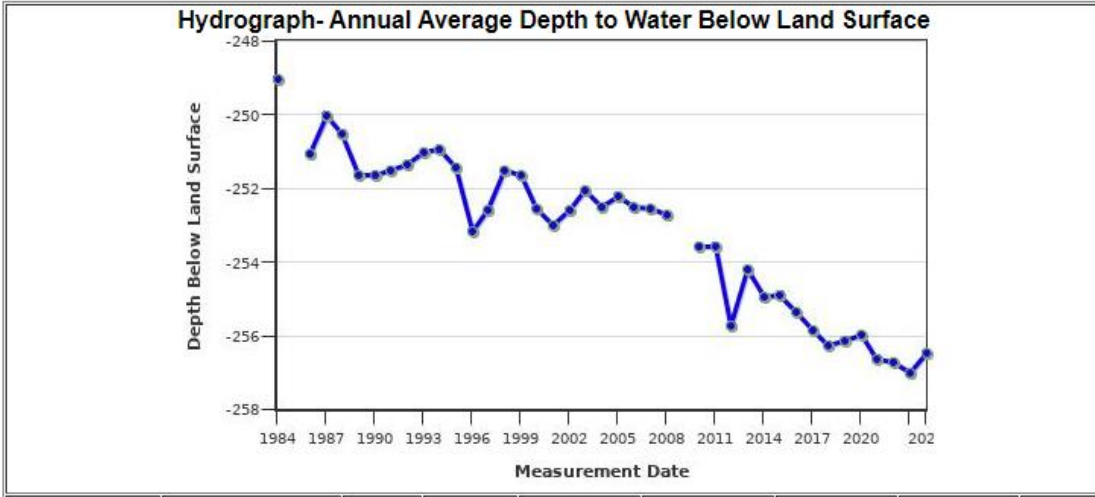
**Location: 27S 42W 36BCB 01**

Note that depth to water is feet below land surface and all measurements for the well are included.



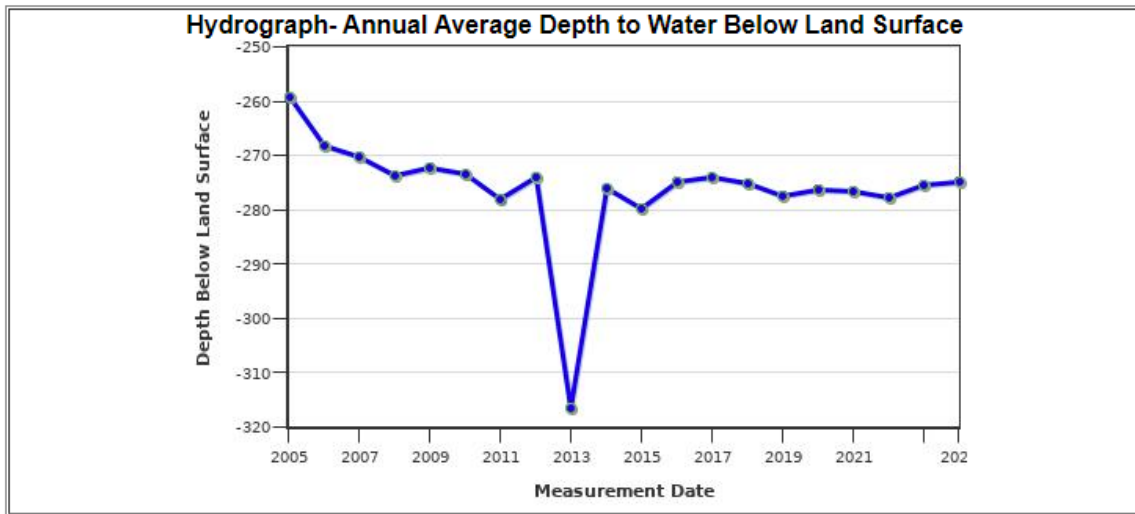
**Location: 28S 42W 20BCC 01**

Note that depth to water is feet below land surface and all measurements for the well are included.



**Location: 28S 41W 17CDD 01**

Note that depth to water is feet below land surface and all measurements for the well are included.



***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. Flowmeter data justified the farm's implementation of equipment and technology which helped promote a significant decrease in stockwater use.

***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:***

The owners extend their gratitude to the KDA-DWR staff for the assistance and support they provided towards the advancement of their WCA project. It is determined that this WCA has met its goals throughout the designated term. This WCA conserved almost 18% of its WCA allocation; thereby saving water beyond the agreed original WCA reduction. Moreover, the remaining quantity of 794.241 AF within the WCA is about equivalent to one year of water use. 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 for another term.