

## **Item 9 – Adjustment of Reported 2022 Pumping – UW Brazos Valley Farm, LLC**

The twelve (12) meters associated with UW Brazos Valley Farm LLC (UWBVF) Historic Use permit BVHU-1058 were read in mid-November to obtain the 2022 water production. It became readily apparent that the meters had not performed properly and had undermeasured use. Recorded amounts were approximately 4,400 ac-ft during a very dry summer. All other agricultural water production significantly increased year over year while the UW pumping decreased by half.

UWBVF will be implementing the following changes for the twelve (12) Simsboro wells associated with Historic Use Permit BVHU-1058 to address District concerns regarding metering and reporting accuracy:

1. Will install 12 new 10" MagMeters prior to the beginning of the 2023 agricultural pumping season. This is going to be performed by SitePro.
2. To ensure proper and accurate meters reading and as per the meters manufacturer specification, related adjustments will be made to the pipes and install the recommended lengths of 10" straight pipes before and after the meter to reduce/eliminate turbulent flow. This will be performed by Brien Water Wells.

All parties agreed that water production from the twelve (12) exceeded 4,400 ac-ft in 2022. There is no plausible way to know exactly how much was produced. UWBVF requested 2022 Simsboro Aquifer agricultural pumping records attempting to normalize their production with the other agricultural producers in the Brazos River Bottom.

Below are the results of reported pumping from the Simsboro during 2022:

- Others - Agricultural Pumping Increased 305%
- UWBVF - Pumping Decreased 47.43%
- UWBVF - Total Pumping Decreased 35%

Efforts are being made attempting to estimate the 2022 water production from the wells.

### **Methods**

1. Estimate of water used by crop and acres planted
2. UWBVF has offered to retain an agricultural irrigation/crop specialist to determine the reasonable amount of water used during 2022
3. Flow test the McCrometer meters to determine the rate of inaccuracy. There are three meters that are capable of being site tested. Extrapolate % of inaccuracy across all wells. Using this method may require the District to provide an extended period of time (beyond February 1<sup>st</sup>) to install the new MagMeters.

4. Normalization of pumping to other agricultural production

Step 1: Increase 2022 production by 47.43% 6,875.97 ac-ft

Step 2: Normalize to others (305%) 20,971.69 ac-ft

UWBVF proposes to report 20,971 ac-ft produced in 2022 as a approximation of actual production.

Action needs to be taken by the Board to determine the amount of 2022 production to be reported (as an approximation) in the 2022 Annual Report and invoiced at \$0.1875/ac-ft.