

TECHNICAL MEMORANDUM

DATE: March 22, 2024
TO: Tule Lake Subbasin Groundwater Sustainability Agencies
PREPARED BY: Angela Bezzone, P.E.
SUBJECT: Tule Lake Subbasin Groundwater Sustainability Plan – Annual Report
Water Year 2023

Summary of Annual Report

The Tule Lake Subbasin Annual Report Water Year 2023 is substantially similar to that prepared for prior years. The Annual Report is consistent with the Department of Water Resources' (DWR) Annual Report Elements Guide. It provides an update on Basin Conditions and GSP Implementation Progress.

In an effort to develop groundwater level contours that cover more are of the Subbasin, MBK reviewed the Department of Water Resources' (DWR) available measurement data and added groundwater level measurements from additional monitoring wells as compared to groundwater level contours generated for prior annual reports. This provides for more accurate groundwater contours in the subbasin, and the subsequent analysis to estimate the change in groundwater storage. Based on the improved hydrologic conditions, as compared to the prior Very Dry years, there was less groundwater pumping during 2023. This resulted in an increase in groundwater levels within the subbasin. The estimated change in groundwater storage during 2023 is 8,890 acre-feet.

The Annual Report will be submitted to DWR by the April 1, 2024 deadline.

AB/

R:\5201 - Tulelake Irrigation District\SGMA\2024 Annual Report (WY 2023)\FINAL Staff Report_2023 Annual Report.docx