

From: Tyler Weishahn, LBBNRD Assistant Manager

Date: March 20, 2025

RE: 2024 Water Sustainability Fund Annual Report – LBBNRD-AEM2 #10061

A brief timeline of LBBNRD Board action regarding the project in relation to the Water Sustainability Fund:

- June 29-July 3, 2024 – Data acquisition and preliminary data delivery to LBBNRD
- July 11, 2024 – Aqua Geo Frameworks (AGF) presentation of preliminary results to LBBNRD Board

This report is for the period between March 15, 2024, and March 20, 2025.

- 1) Project progress to date for the first report, then progress since the last annual report for future projects, including where you are relative to completing the project.
 - a. Flights and data acquisition occurred June 29-July 3, 2024.
 - b. Preliminary data delivery to LBBNRD occurred on July 5, 2024.
 - c. Final data was received from SkyTEM on September 5, 2024.
 - d. Final inversions were completed on November 5, 2024.
 - e. Groundwater quality and quantity data from LBBNRD to AGF on February 3, 2025.
 - f. Progress meeting and review on March 21, 2025.
- 2) List project-related activities planned for the coming year.
 - a. The NRD had already been utilizing preliminary results and data in informing and educating the public.
 - b. Staff continue to reference deliverables for well permitting and development of irrigated acres projects, as well as for understanding potential community wellfield impacts.
 - c. Amid a districtwide moratorium, AEM has been utilized in delineating aquifer formations and management districts, as well as when considering variances to the moratorium.
 - d. The NRD has consulted the AEM data regarding potential future groundwater monitoring sites.
- 3) Forecast or projected cash flow for remainder of the project. This should be high level, not a detailed list, to give the Commission a projection of the fund's cash flow.
 - a. April 4, 2024 - \$125,000 (WSF - \$75,000 + LBBNRD - \$50,000) check was sent to contractor for 30% down payment of the project. Claim #1 for WSF reimbursement was submitted April 5, 2024.
 - b. July 12, 2024 - \$187,500 (WSF - \$112,500 + LBBNRD - \$75,000) was sent to contractor upon completion of the data acquisition. Claim #2 for WSF reimbursement was submitted July 12, 2024.

- c. April 2025 - \$104,166 (WSF - \$62,499.60 + LBBNRD - \$41,666.40) for the remaining 25% due upon delivery of the completed final report by the contractor.
- 4) Reassessment of the likelihood that benefits projected in the application will be realized and, for the "Final Report," a description of benefits realized or reasonably expected to be realized as compared to those stated in their application.
 - a. The benefits projected in the application have been realized, specifically:
 - i. work toward establishing a hydrogeologic framework (bedrock geology, aquifer type and extent, estimated aquifer volume and water in storage, transmissivity, and specific capacity)
 - ii. a more robust understanding of water level declines, groundwater uses and aquifer vulnerabilities spatially
 - iii. augmentation of the District's groundwater quantity and quality monitoring programs (management decisions regarding control areas and recharge areas)
 - iv. siting new test wells and production wells (sustainability and economics)
 - v. siting new LBBNRD monitoring locations.

List of public outreach and WSF acknowledgement efforts:

- *The Blue Buzz* Lower Big Blue NRD Newsletter