

Task Order: COL-01

Dated: 4/25/22

Professional Services Agreement, dated _____, 2022
California Rural Water Association (CRWA) and
County of Lake, Department of Water Resources (Client)

The above referenced Professional Services Agreement between California Rural Water Association and County of Lake, Department of Water Resources, dated _____, 2022, is hereby modified as follows:

Background:

The County of Lake, Department of Water Resources has received a grant from the U.S. Department of Agriculture, Natural Resources Conservation Service (NRCS) to develop a Watershed Assessment Plan (WAP). The assessment is to include the priority areas of Clear Lake and Cache Creek in Lake County, California.

Item A – Scope of Work:

Task 1 – Watershed Assessment Plan

CRWA will develop a WAP in accordance with the NRCS grant guidelines. The goal of the WAP is to designate areas critical to implement best management practices; and enhance implementation of water quality improvement projects by providing a watershed-wide, stakeholder driven guidance document delineating effective irrigation, nutrient, and land use management measures.

The assessment will include:

- An understanding of the drainage system (including sub-surface) to support source identification for pollutants.
- Details of what best management practices are needed in specific locations.
- Information to address barriers to implementation.
- How to implement practices.

CRWA will provide a GIS Technician to Compile GIS database layers and create base maps for the WAP. The Technician will develop GIS-derived flow networks, document recharge areas and watershed boundaries, source water protection area boundaries, GIS modeling and vulnerability analyses. Services will include mapping of land use, best management practices, and contaminant sources.

The Chief Hydrogeologist will provide oversight of milestones and project completion. The Hydrogeologist will characterize hydrology, hydrogeology, and water quality of the watershed protection area, document aquifer characteristics and chemistry, describe surface and groundwater interactions, runoff, and streamflow hydrology. The Hydrogeologist will Identify

and describe potential contaminants of concern as well as physical and chemical properties that influence contaminant transport. In addition, the hydrogeologist will perform resource analysis and prepare the summary and recommendations report, including NEPA concerns.

CRWA's administrative support staff will track project hours, invoices, and billing, and submit invoices and financials to the County of Lake for grant reporting.

➤ ***Deliverable: Watershed Assessment Plan - Draft (1 pdf emailed to the Client)***
Watershed Assessment Plan - Final (1 pdf emailed to the Client)

Item B – Schedule:

The project under Task Order COL-01 estimated schedule is as follows:

- | | |
|---|---------------|
| 1. Task 1 – Watershed Assessment Report (Draft) | March 1, 2023 |
| Watershed Assessment Report (Final) | May 1, 2023 |

Item C – Budget:

Time and Materials not to exceed \$45,000.

All other terms and conditions of the referenced Professional Services Agreement remain unchanged.

For CRWA:
California Rural Water Association

For Client:
**County of Lake
Department of Water Resources**

By: _____

By: _____

Date: _____

Date: _____