



### **Volunteer Position: Technical Assistant-Water**

**Purpose:** To inform League members on matters relating to groundwater recharge, and methods, strategies, and regulations to reduce nitrate levels in groundwater.

**Time Commitment:** 30 hours during a semester. (Or more if desired.)

#### **Duties:**

- 1) Provide technical support to League members regarding groundwater recharge and nitrate reduction in groundwater.
- 2) Review and analyze scientific studies, articles, research, and technologies. Here are a few examples.
  - Addressing Nitrate in California's Drinking Water- Technical Reports for State Water Quality Control Board and State Legislature - UC Davis
  - Irrigated Lands Regulatory Program, Central Valley Regional Water Quality Control Board
  - Availability of high magnitude streamflow on high groundwater banking in the Central Valley California- UC Davis
  - Information from Kings River Conservation District and Sustainable Conservation about farmland flooding for groundwater recharge
  - Reports and articles on new technologies to monitor and reduce nitrate loading, including those developed at CSU Fresno and by local businesses.
- 3) Summarize and report findings to League members.

#### **Benefits:**

- 1) Career development for students majoring in the sciences or engineering.
- 2) Opportunity to learn more about important water resources issues.
- 3) Improve communication skills.

#### **Reports to:**

Diane Merrill / 559-281-3119 / dbm624@gmail.com