 Stream-Aquifer Interactions and Evapotranspiration Measurement/Modeling

1. Goal/Objectives: To understand flow dynamics between streams and aquifers, and the implications for groundwater abstraction for irrigation in riparian corridors. Ancillary to this is understanding groundwater usage by riparian corridor vegetation.
2. Background: As part of the SGMA legislation, there is need to understand effect of groundwater pumping on stream flows. This requires modeling and monitoring of stream-aquifer interactions in complex multilayered aquifer-aquitard systems.
3. Where: Swanton Pacific Ranch and San Luis Obispo.
4. Deliverables: Potential thesis.
5. Financial support: : None at present. Work in progress.