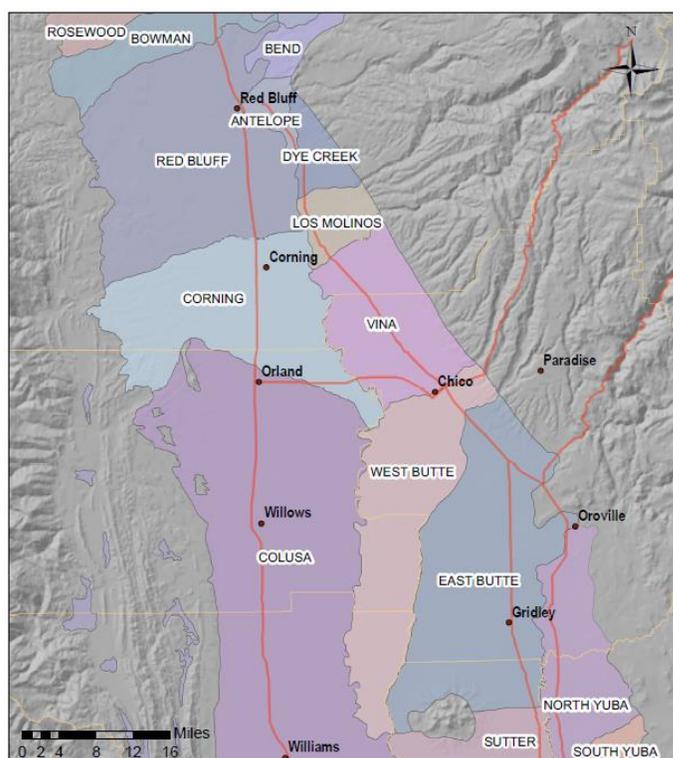




## ***Interbasin Groundwater Flow Evaluation Project- for Sustainable Groundwater Management Act Implementation***

### ***Project Overview***

- **Motivation:** SGMA requirements
  - Interconnected sub-basins in Sac Valley
  - Leaves assessment of inter-basin interaction to DWR during review of GSPs
  - Better to start with consistent set of assumptions and understanding of basin flows
  - Local involvement in developing approach
- **Study Area:** Eleven sub-basins
- **Objectives**
  - Build technical capacity and local ownership of the methodology
  - Provide recommended approach to GSAs in the NSV
  - Aid DWR in their evaluation of whether one GSP plan adversely affects the ability of an adjacent basin to achieve sustainability
  - Provide a case study within the NSV for other basins in CA
- **Approach**
  - Consultation services will be conducted by RMC Water and Environment
  - The NSVIRWM TAC will be the reporting agency
  - NSVIRWM TAC subcommittee and series of dialogues with Technical Collaborators
  - Technical Collaborators - groundwater modelers and experts in hydrogeology and water management in the NSV region. List of individuals was confirmed by the NSV TAC
  - Assess existing groundwater models, both regional and local



➤ Outcome

- *Interbasin Groundwater Flow Evaluation* report
- Recommended game plan and technical tool that should be developed to account for interbasin flows and evaluate water management effects on flows between basins
- Lessons learned

➤ Timeline

- Initiate Project in July 2016
- Final report and presentation to NSVIRWM Board Spring 2017

### **Technical Collaborators**

This list includes members of the NSV TAC subcommittee as well as other individuals with expertise in groundwater modeling, hydrogeology, and water use and management in the NSV region.

- Christina Buck, Butte County Department of Water & Resource Conservation (IWFM) – Project Lead;
- Vickie Newlin, Butte County Department of Water & Resource Conservation and NSVIRWM TAC Chair;
- Allan Fulton, University of California, Cooperative Extension and NSVIRWM TAC member;
- Ben Pennock, Glenn Colusa Irrigation District and NSVIRWM TAC member;
- Oscar Serrano, Colusa Indian Community Council and NSVIRWM TAC member;
- Bill Ehorn, DWR, Northern Region Office and NSVIRWM TAC member;
- Grant Davids, Davids Engineering;
- Steffen Mehl, CSU Chico (CVHM studies);
- Peter Lawson, CH2M (Sac FemFlow);
- Thomas Harter, UC Davis;
- Claudia Faunt, USGS (CVHM);
- Charlie Brush, DWR (C2VSIM);
- Steve Phillips, USGS;
- Ali Taghavi, RMC Water and Environment;
- Mary Randall- Department of Water Resources Northern Region Office.