



**Butte County**

**Department of Water and Resource Conservation**

*Mission: To manage and conserve water and other resources for the citizens of Butte County*

# **State Water Resources Control Board Groundwater Concept Paper - Workshop**

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Butte County  
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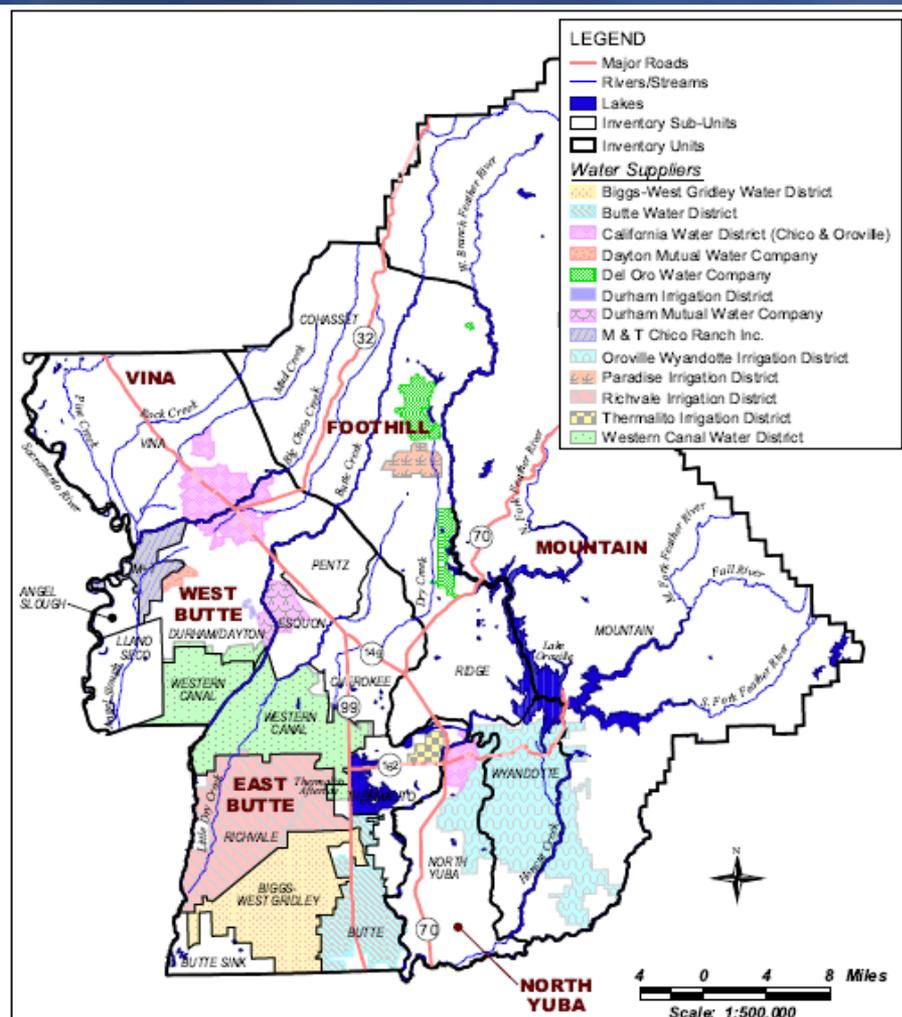
*January 22, 2014*



# Managing Butte County Groundwater

## Management is a Local Responsibility

- ❖ Private Irrigators
- ❖ Water Districts
- ❖ Water Purveyors
- ❖ Municipalities
- ❖ County



# Butte County Water Resources

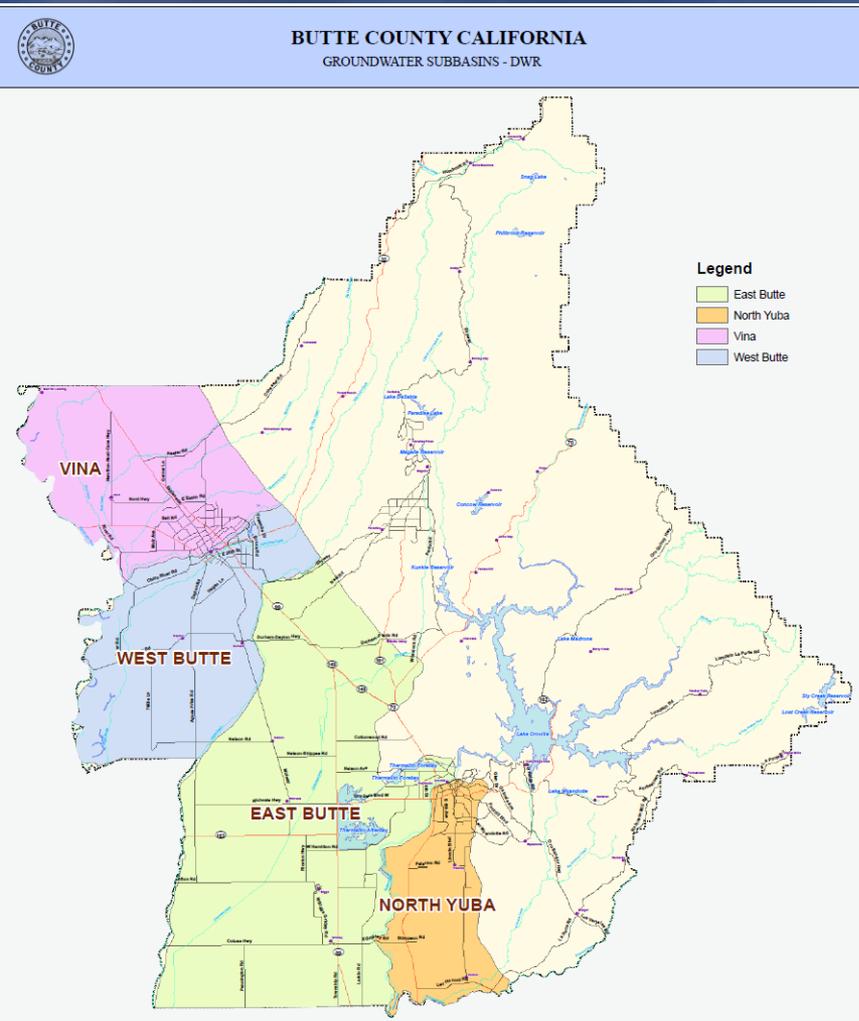
- ◆ Butte County has an agricultural based economy with approximately 200,000 residents
- ◆ Residential, commercial and agricultural water needs are met by a network of surface and groundwater sources
- ◆ Sources of water differ in specific areas of the county
- ◆ Water supplied by:
  - ◆ Municipal water departments
  - ◆ Irrigation districts
  - ◆ Community service districts
  - ◆ Private wells (over 14,000)
- ◆ Approximately 1.4 mAF annual demand



# Managing Butte County Groundwater

## Butte County's Efforts

- ❖ Policies
- ❖ Planning
- ❖ Monitoring and Analysis
- ❖ Scientific Investigations



BUTTE COUNTY CALIFORNIA  
GROUNDWATER SUBBASINS - DWR

Legend  
East Butte  
North Yuba  
Vina  
West Butte



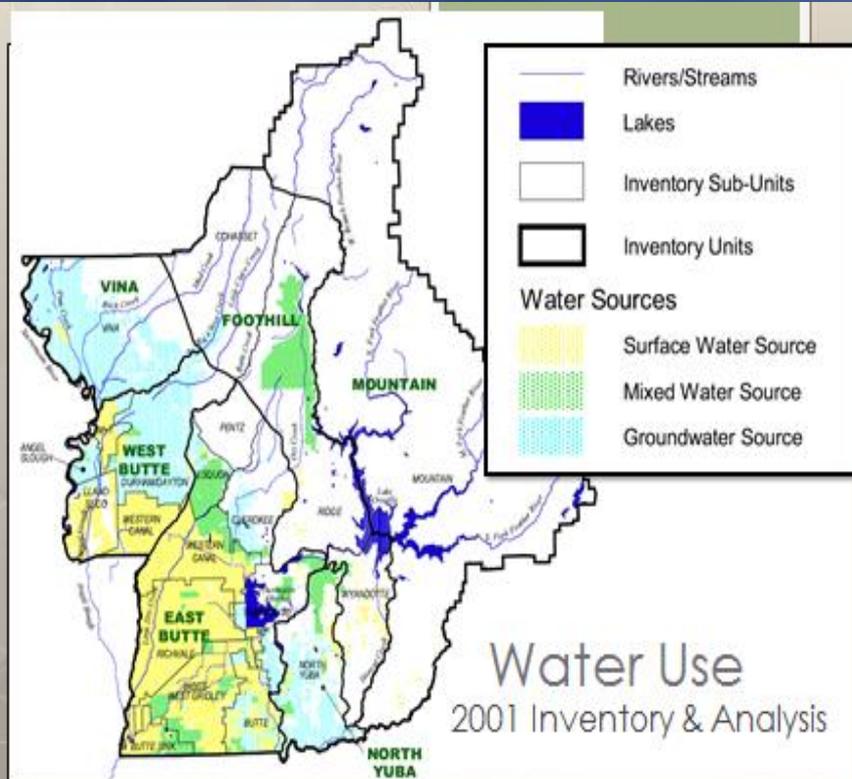
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BUTTE COUNTY CALIFORNIA  
06/16/2011  
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DWE PRINTED: June 2011



# Managing Butte County Groundwater

## Significant Policies



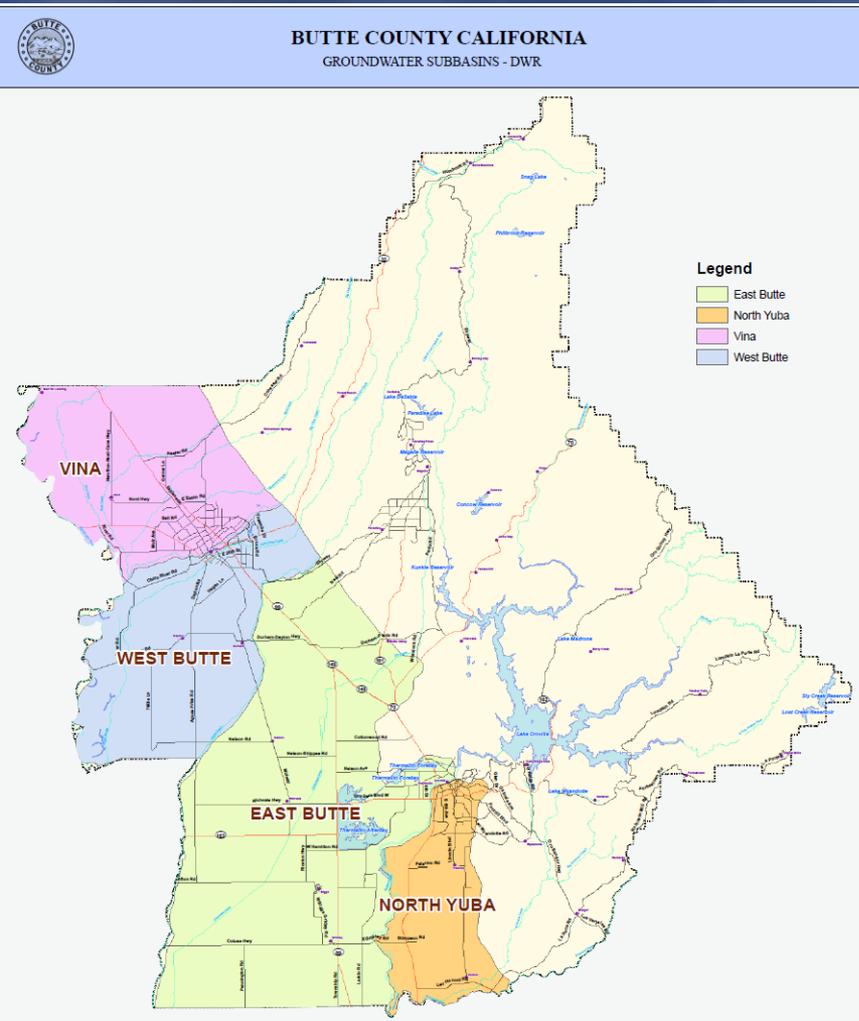
- ❖ *Groundwater Conservation Ordinance (Chapter 33)*
- ❖ **Groundwater Management Plan**
- ❖ **Basin Management Objective Ordinance (Chapter 33A)**
- ❖ **Well spacing Ordinance (Chapter 23B)**
- ❖ **General Plan 2030**



# Managing Butte County Groundwater

## Groundwater Conservation Ordinance (Chapter 33)

- ❖ *Permits for Groundwater Substitution Transfer Programs*
- ❖ *Quarterly Monitoring of Groundwater Conditions*
- ❖ *Annual Groundwater Status Report*



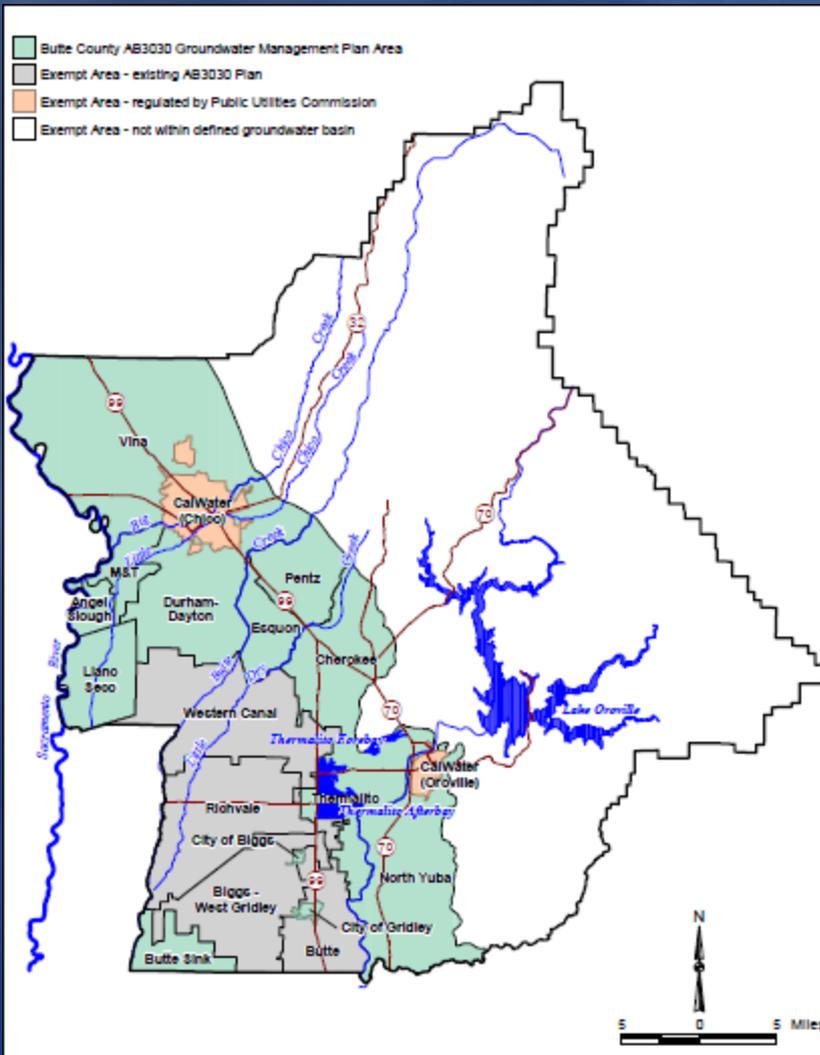
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BUTTE COUNTY CALIFORNIA  
06/16/2011  
FILE: SWARD/COMBCH\_MAP/GroundwaterBasin2011  
DWR PRINTED: June 2011



# Managing Butte County Groundwater

## *Groundwater Management Plan*



- Minimize the long-term drawdown of groundwater levels;
- Protect groundwater quality;
- Prevent inelastic land surface subsidence from occurring as a result of groundwater pumping;
- Minimize changes to surface water flows and quality that directly affect groundwater levels or quality;
- Minimize the effect of groundwater pumping on surface water flows and quality;
- Evaluate groundwater replenishment and cooperative management projects.



# Managing Butte County Groundwater

## *Integrated Water Resources Plan*

- Continue ongoing water resources efforts;
- Protect recharge areas through zoning;
- Increase agricultural and urban water use efficiency;
- Develop Basin Management Objectives that support native vegetation;
- Coordinate regional watershed management
- Advocate to improve the understanding of conditions for special status species

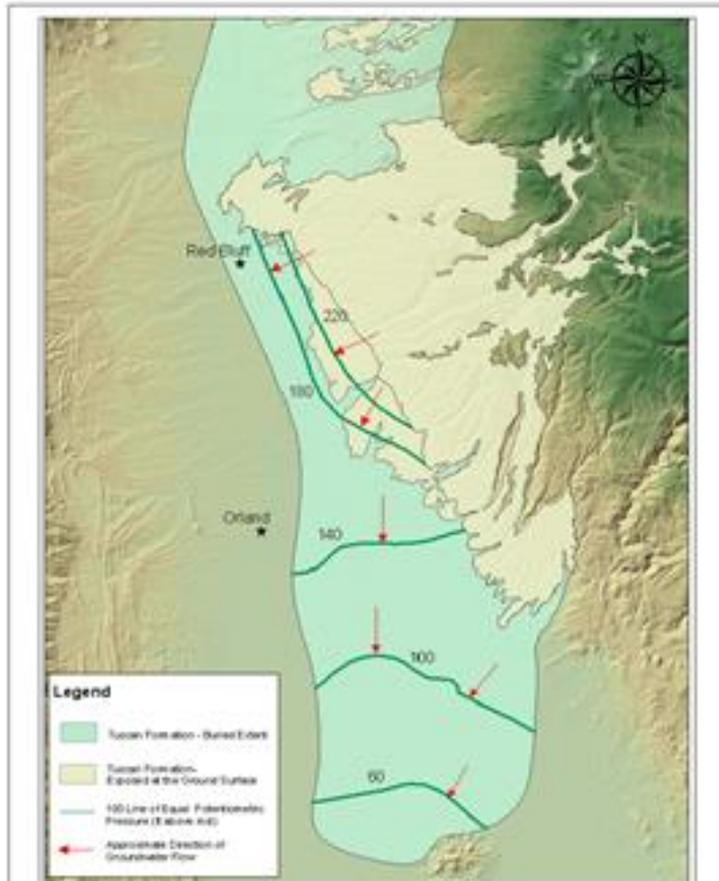


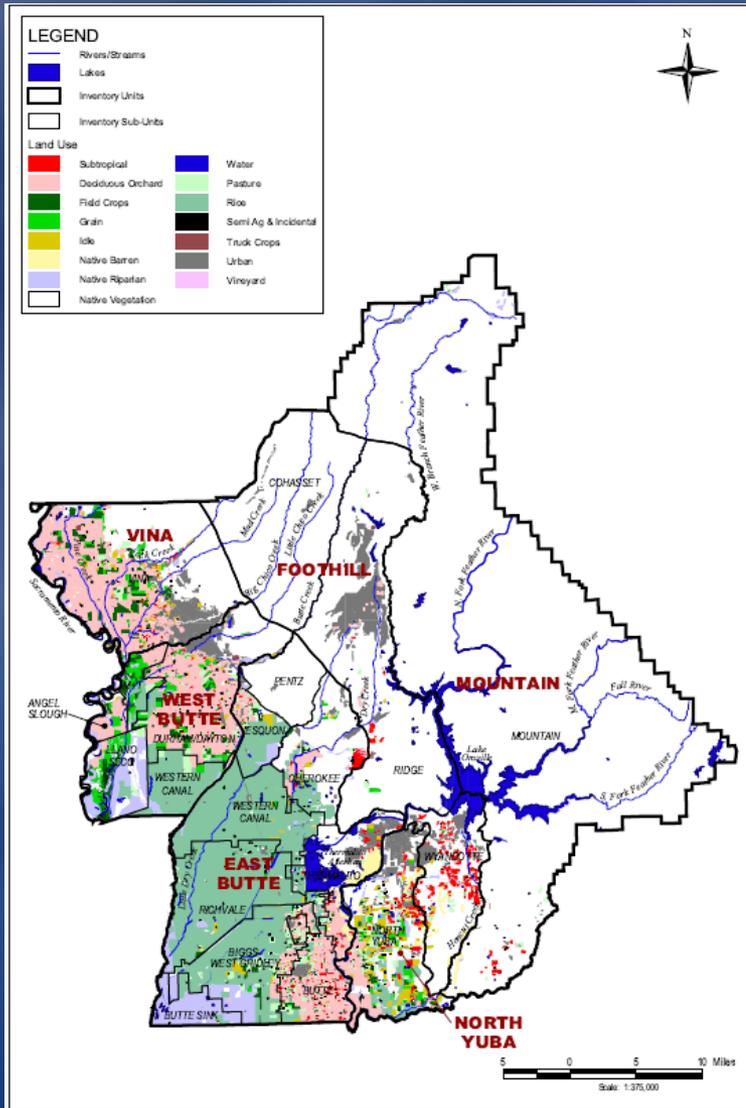
Figure 1

Extent of Tucson Formation

Tucson Aquifer Monitoring, Recharge and Data Management Program



# Managing Butte County Groundwater



## General Plan 2030

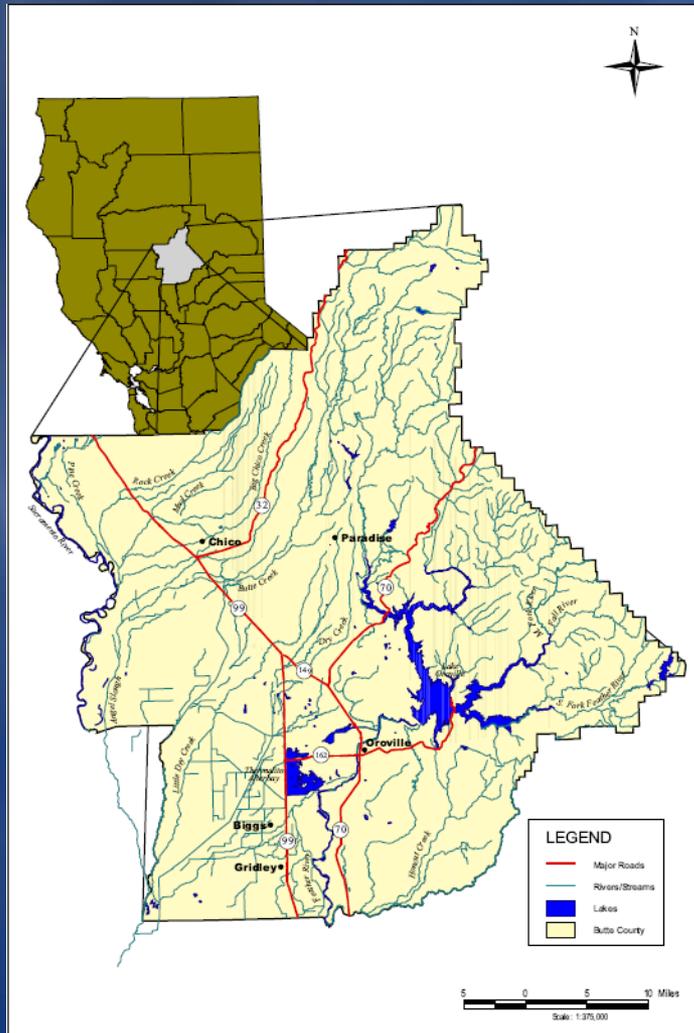
- Maintain and enhance water quality
- Ensure an abundant and sustainable water supply to support all uses in Butte County
- Effectively manage groundwater resources to ensure a long-term water supply for Butte County
- Promote water conservation as an important part of a long-term and sustainable water supply.
- Protect water quality through effective stormwater management
- Improve streambank sustainability and protect riparian resources.



# Managing Butte County Groundwater

## Monitoring and Analyses

- ❖ Groundwater Status Report
- ❖ Butte Basin Groundwater Model
- ❖ Monitoring Network
- ❖ Recharge Investigation
- ❖ Evaluation of Groundwater Conditions



***THANK YOU***