

# Climate Change Adaptation in the Laguna de Santa Rosa

A scenic view of the Laguna de Santa Rosa, showing a calm body of water reflecting the surrounding dense green forest and a blue sky with white clouds. The water is still, acting as a perfect mirror for the trees and sky above. The forest is lush and green, with various types of trees visible. The sky is a vibrant blue, dotted with fluffy white clouds. The overall atmosphere is peaceful and natural.

**Grant Davis**  
**Sonoma County Water Agency**



# Flood Protection



# Flood of 1966





# Chinook in Santa Rosa Creek

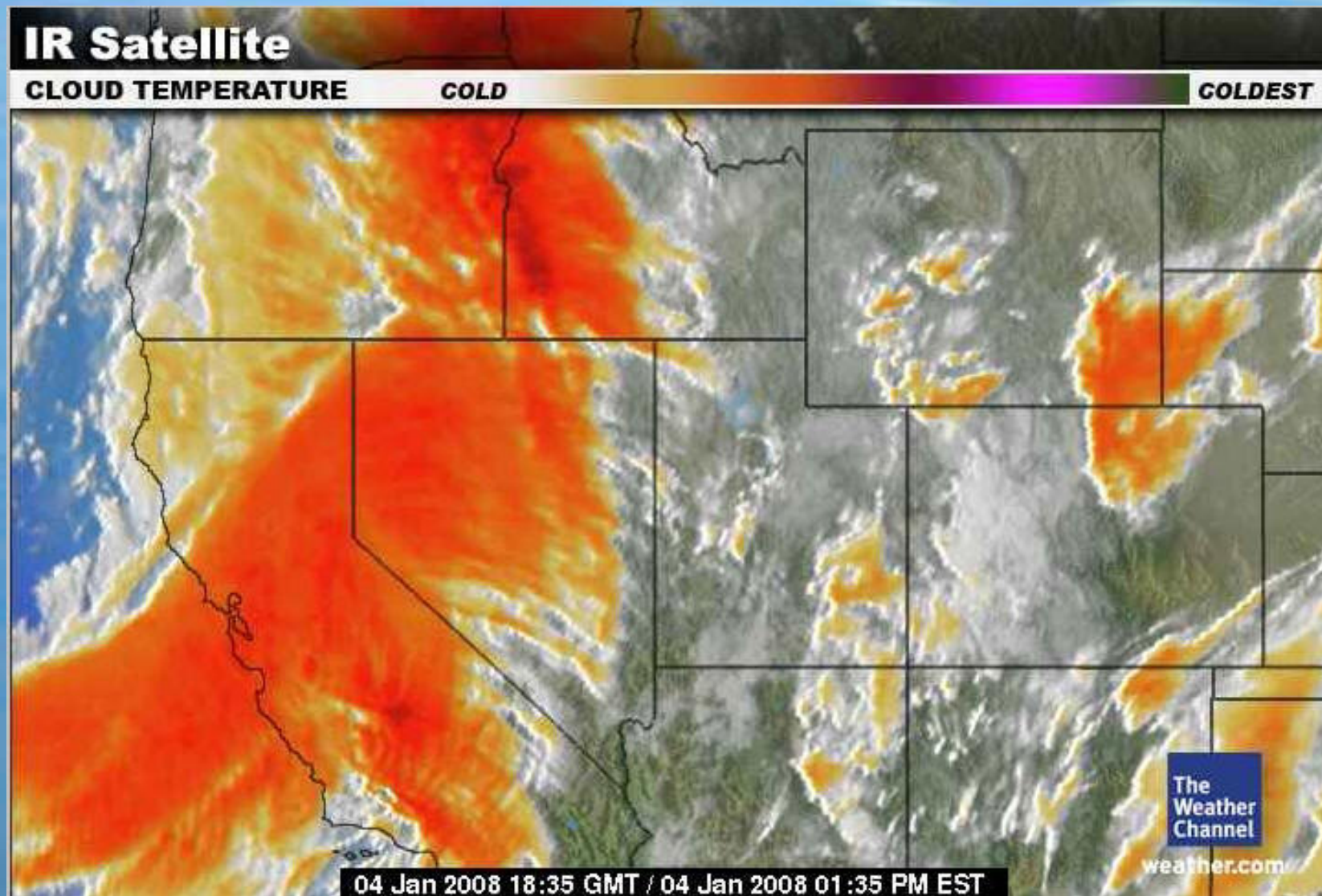




# Stormwater Conveyance



# Extreme Weather





# Vegetation Management 1997



Santa Rosa Creek



# Vegetation Management 2007



Santa Rosa Creek



# Ludwigia

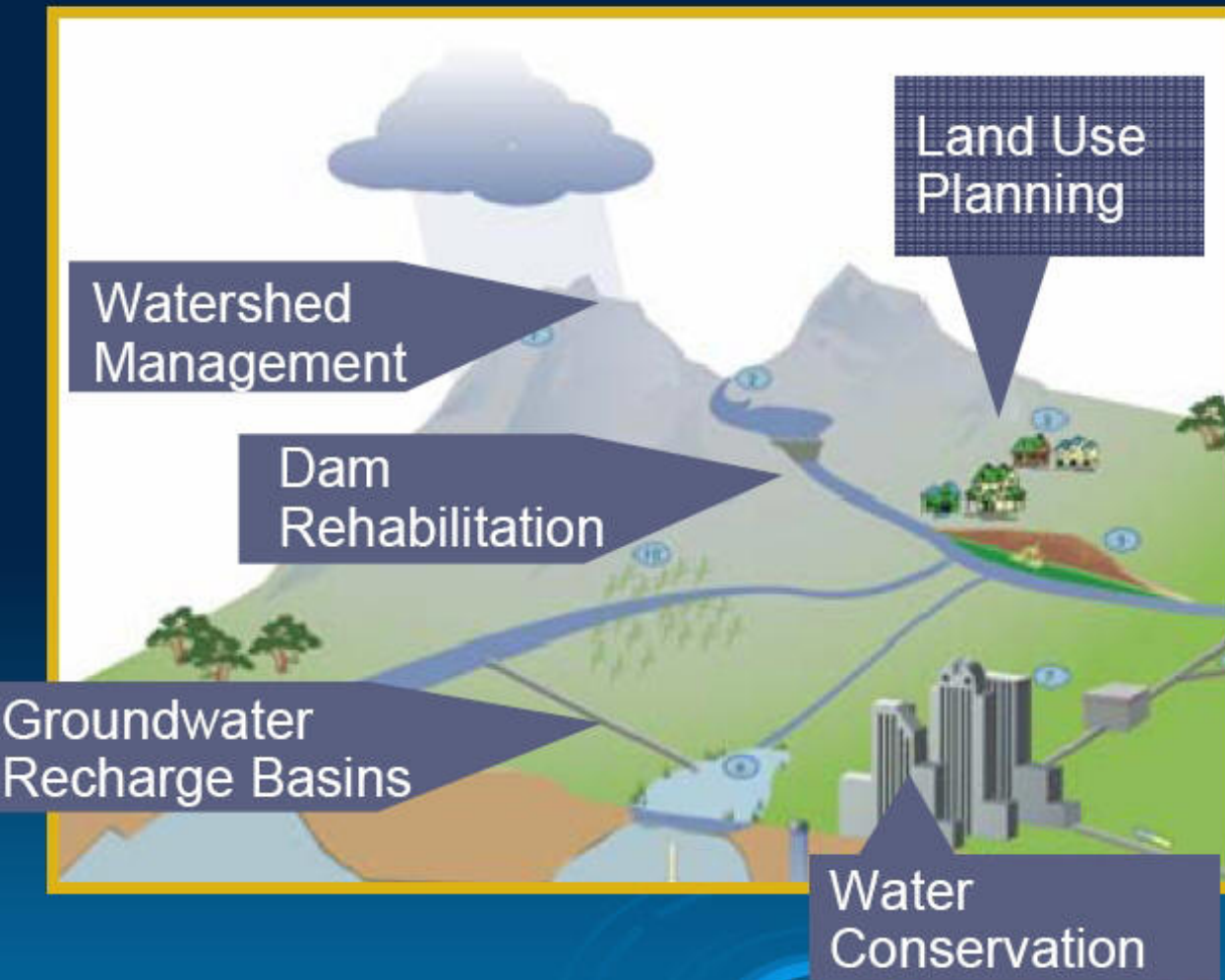




Lake Mendocino - October 2002



# Integrated Regional Water Management



## **Watershed Management**

- Reduced Siltation
- Water Quality
- Habitat

## **Dam Rehabilitation**

- Flood Protection
- Water Supply
- Fish Passage

## **Land Use Planning**

- Protect Groundwater Recharge Areas

## **Recharge Basins**

- Water Supply & Quality
- Pumping Lifts

## **Water Conservation**

- Reduced demand





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*[www.sonomacountywater.org](http://www.sonomacountywater.org)*