

**Groundwater
Beneficial Use
Hodson/Littlejohns
Fault Zone
Salt Spring Valley**

Public Consultation
Meeting
20 August 2011



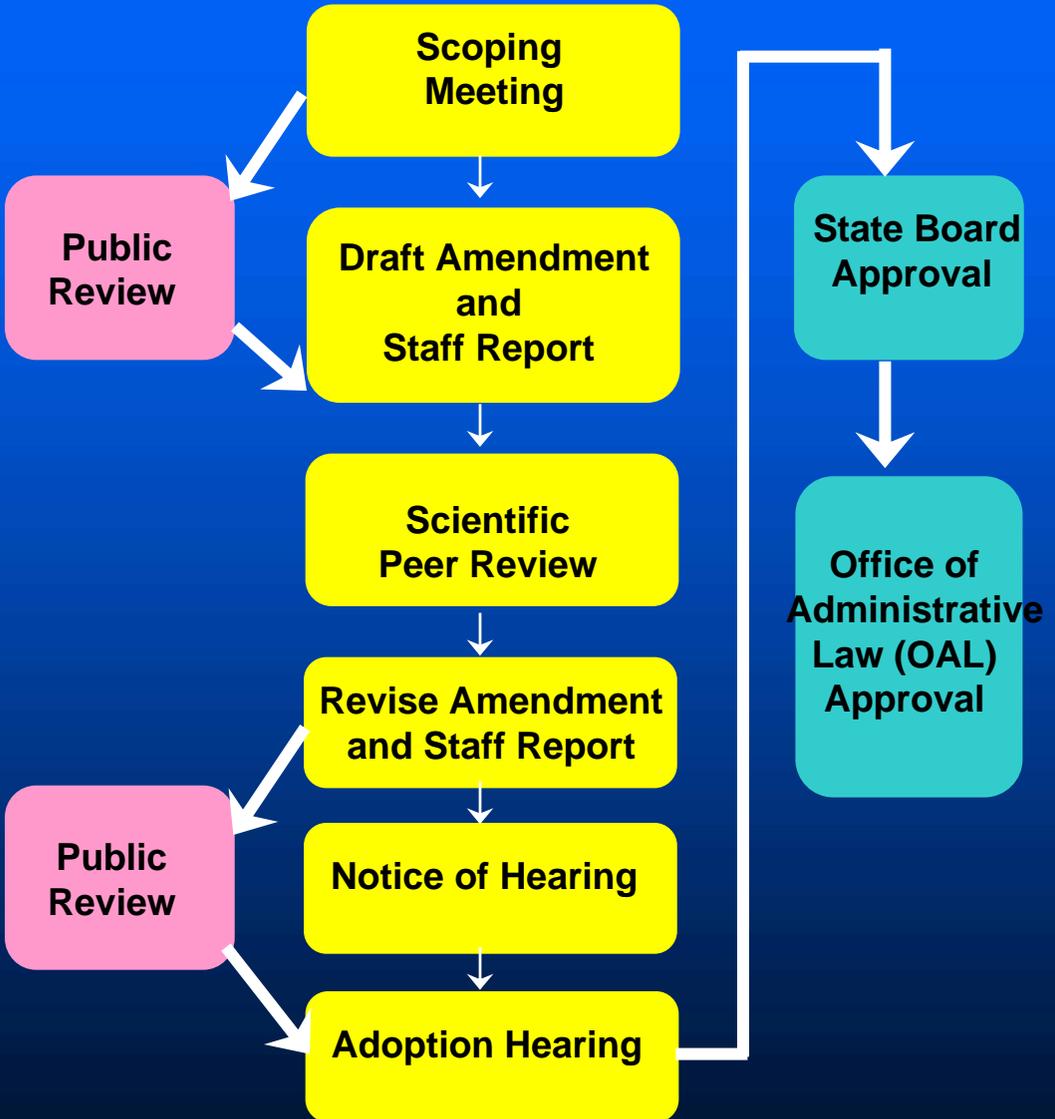
Meeting Goals

- Public Input
- Explain Regulatory Process
- Describe Project Area
- Proposed Project, Well Survey
- Next Steps and Discussion

Basin Plan

- California Water Code
- Regulatory Document
- Beneficial Uses
 - Groundwater
 - MUN, AGR, IND, PRO
- Water Quality Objectives
 - Protect beneficial use
 - Prevent nuisance
- Implementation Program

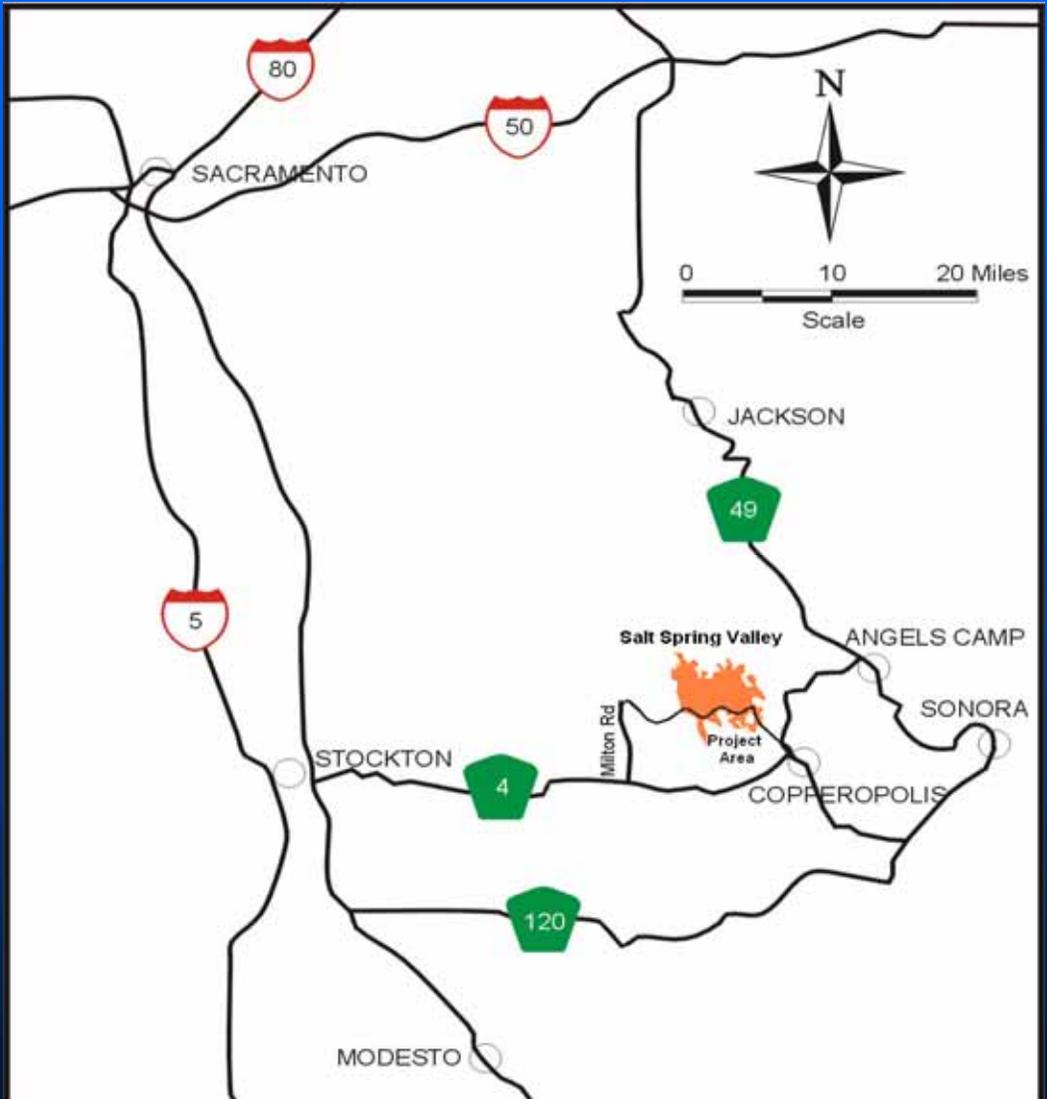
Basin Planning Steps



State Water Board Direction

- De-designate
Beneficial Use
- Establish
Containment Zone

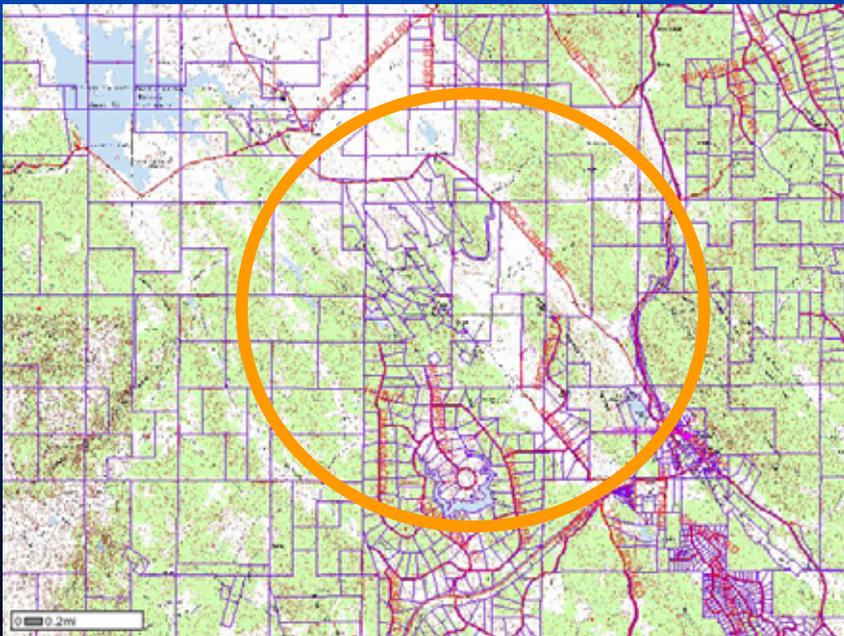
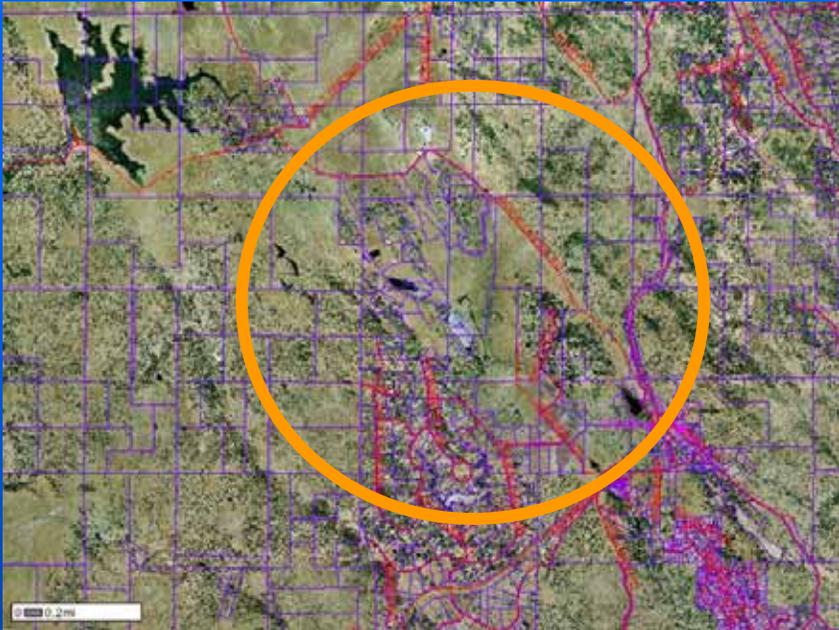
Project Area Location



Salt Spring Valley



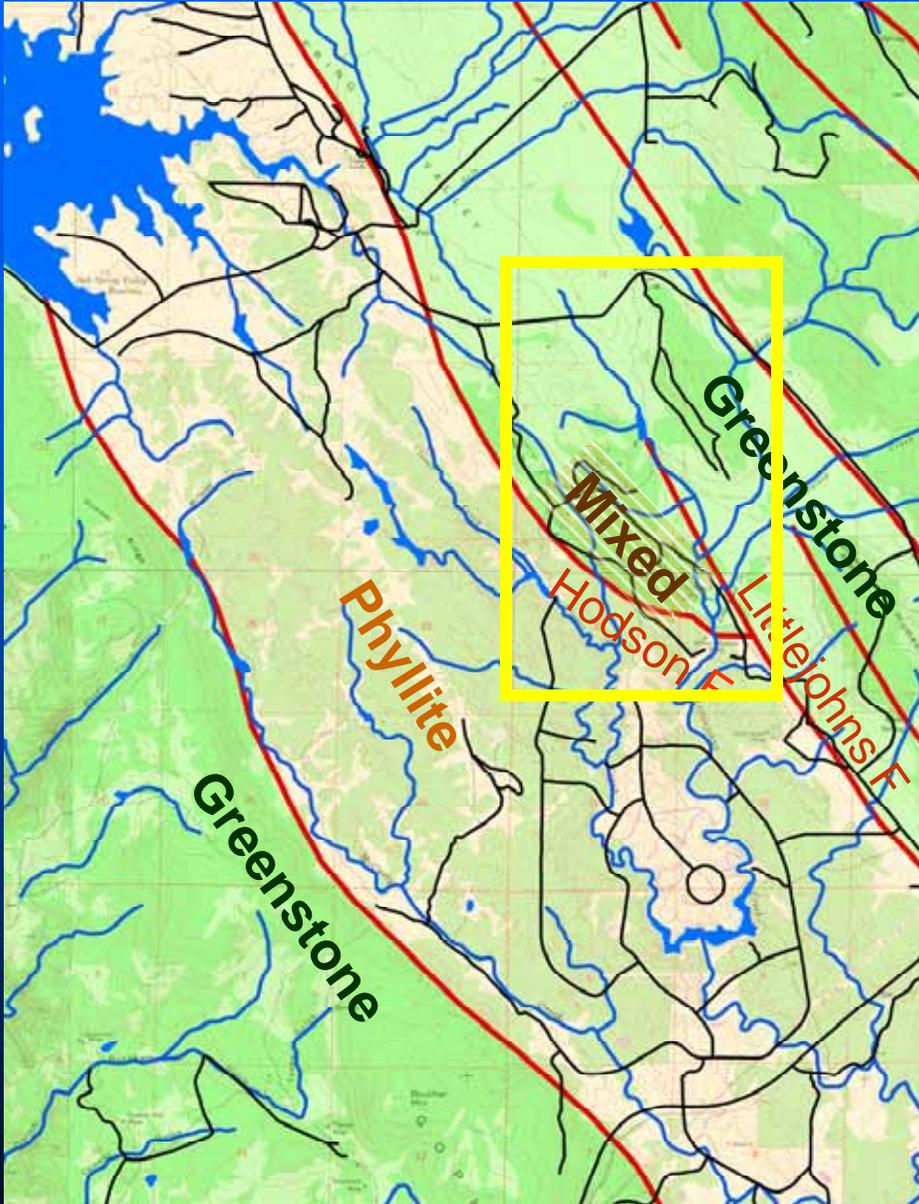
Project Area Vicinity



Land Uses



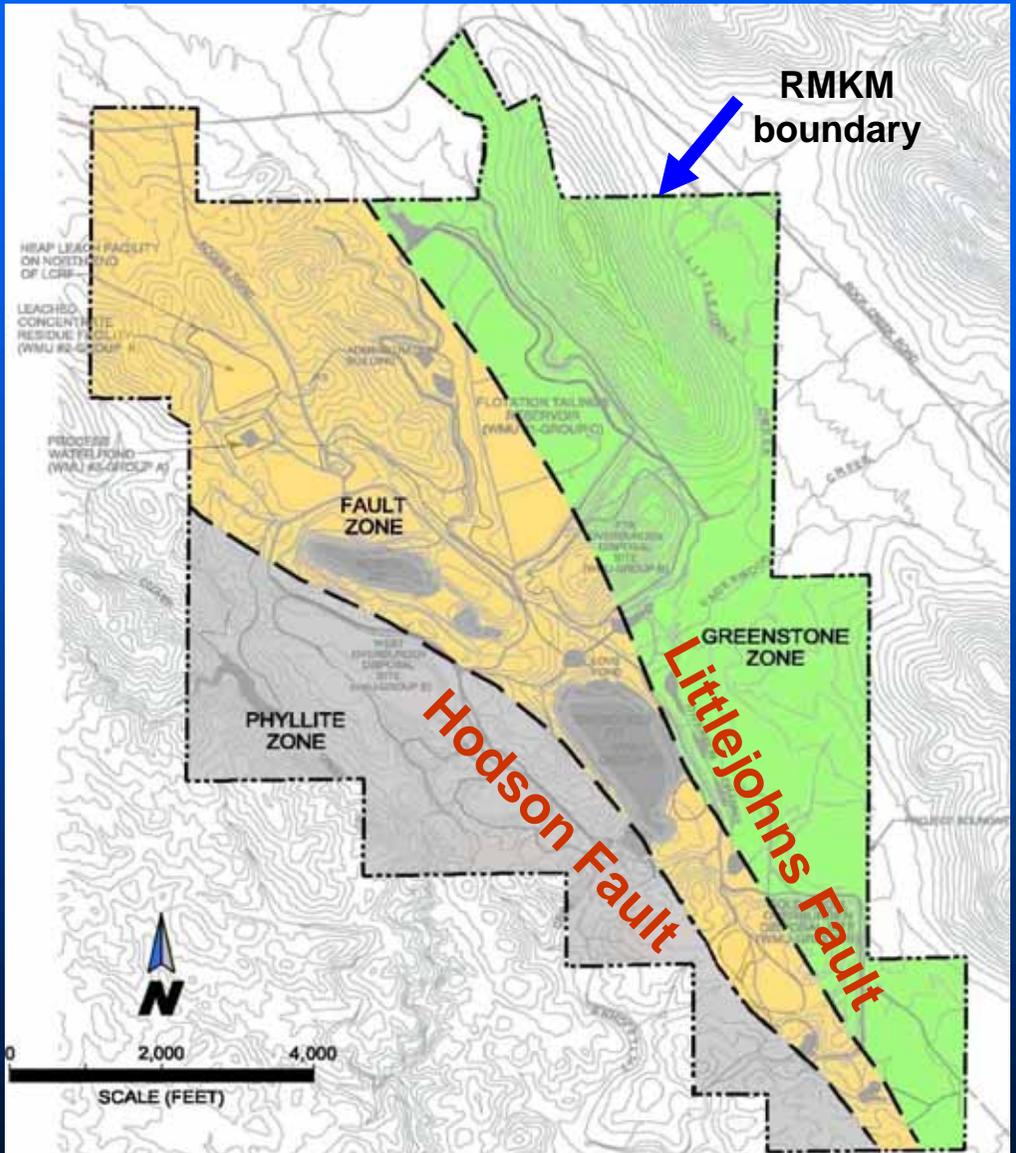
Project Area Geology



Greenstone & Phyllite



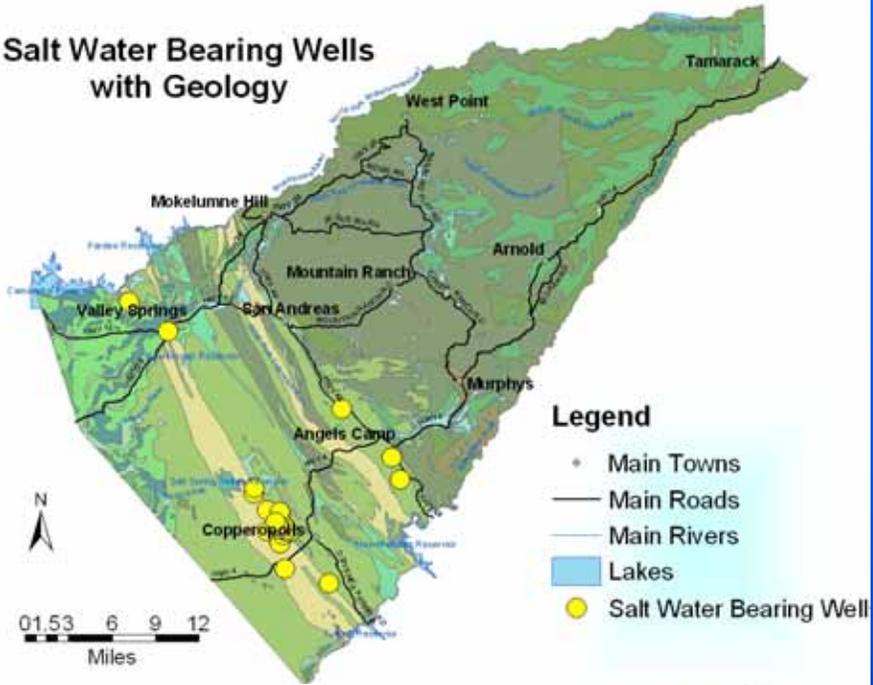
Fault Zone Geology



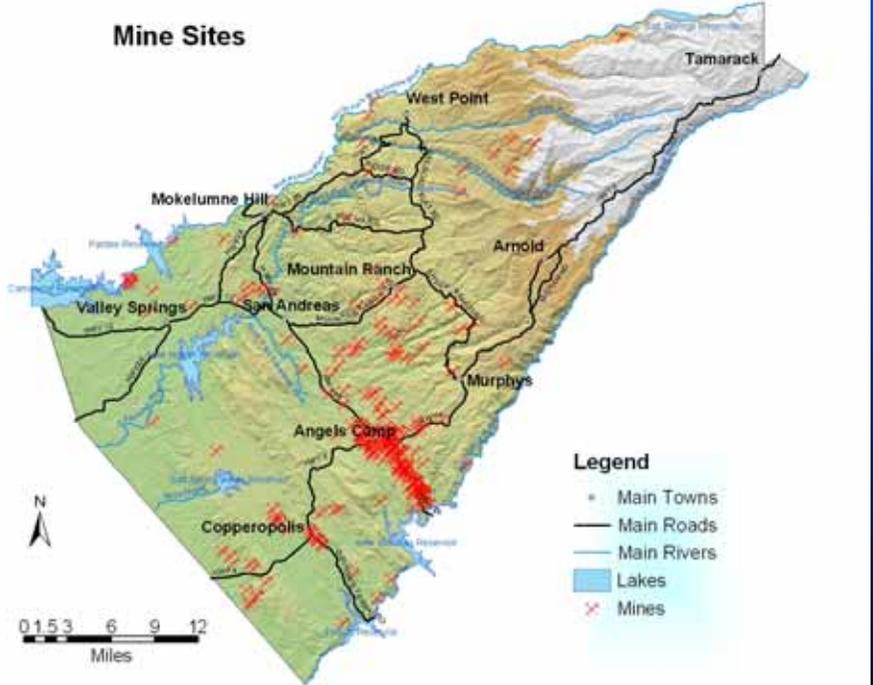
Sulfide Mineralization



Salt Water Bearing Wells with Geology



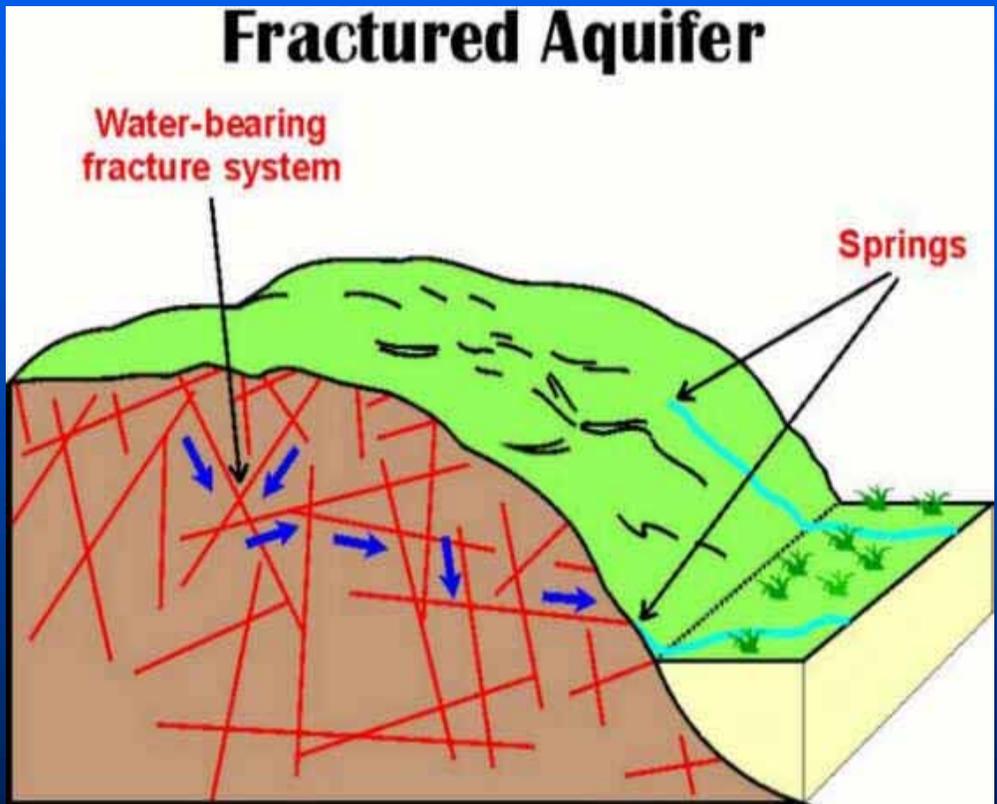
Mine Sites



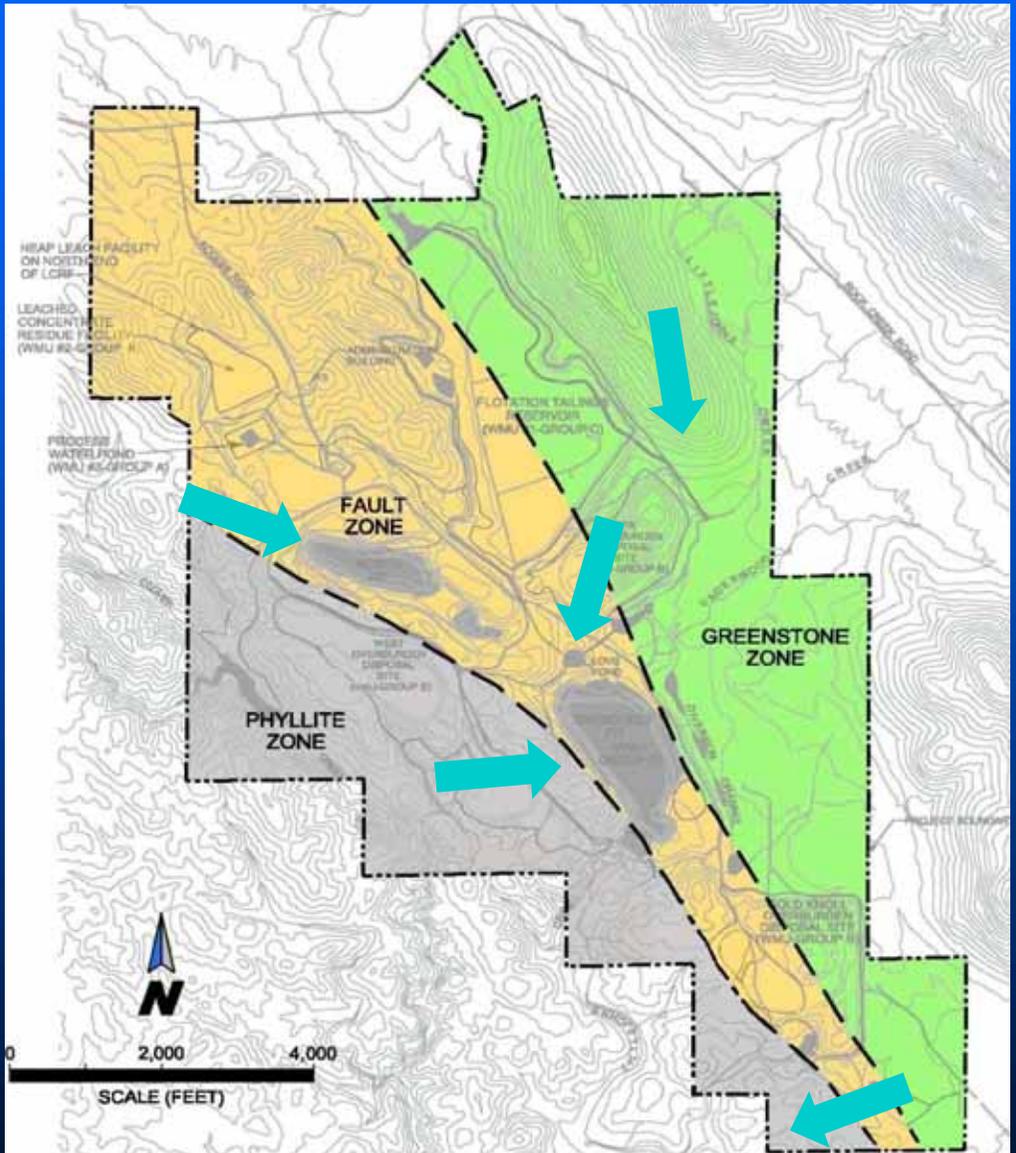
Groundwater Conditions



Groundwater Flow in Fractured Bedrock



Groundwater Flow



Regulatory Issue

- Regulatory requirements require the Board to protect uses in the Project Area that may not be achievable, even under natural conditions.
- Meridian Beartrack, Co. (Meridian) is in a difficult position, because current regulations may require it to protect groundwater beneath its site.

Note: The Board is not proposing to relax regulatory requirements where people are currently using groundwater.

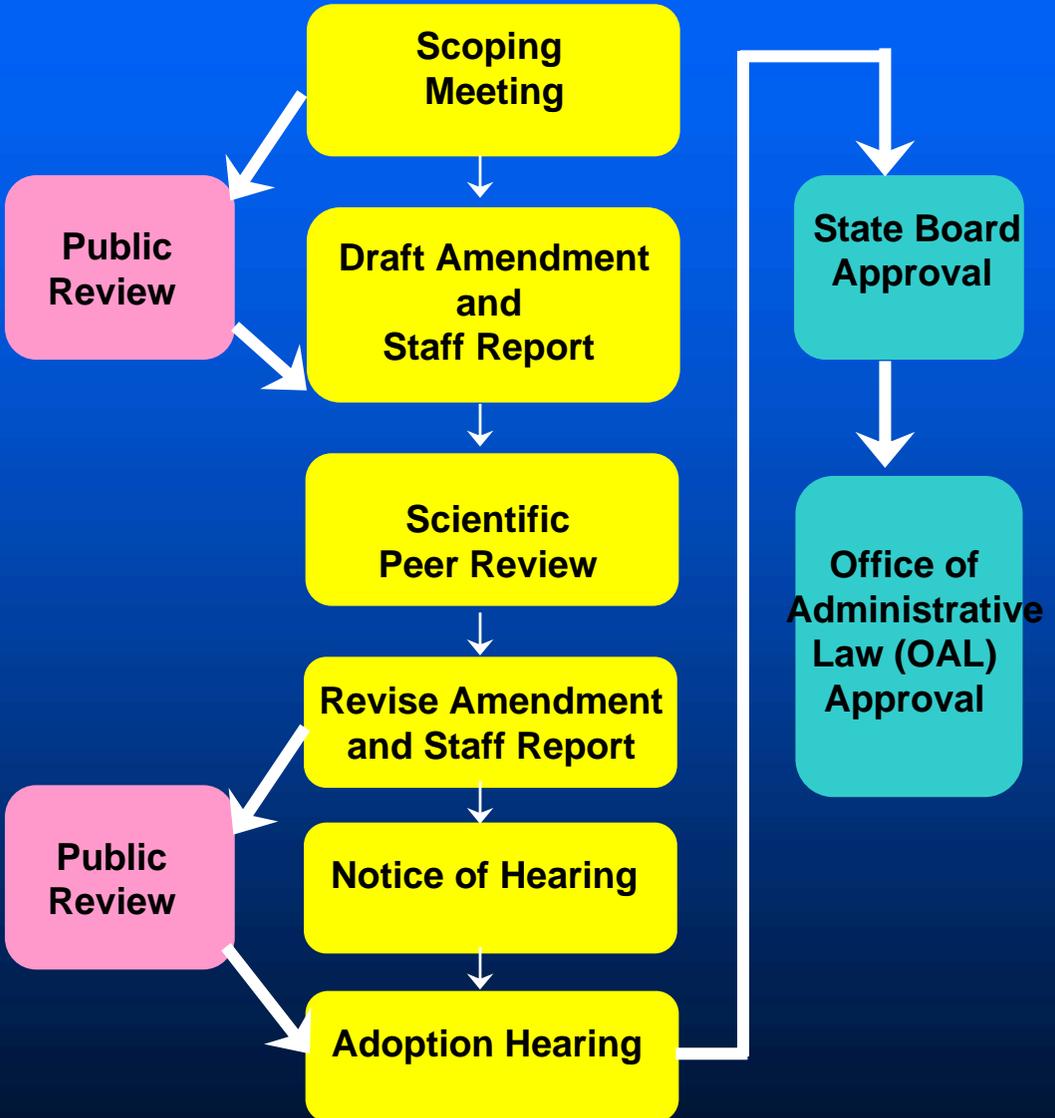
Adjust Basin Plan to Reflect Naturally Attainable Uses

The Board will evaluate data on natural groundwater conditions at the mine site, and would de-designate the MUN use (and possibly others) in areas where groundwater is naturally too salty to drink.

Why Did We Send Out the Well Survey?

- To confirm that water within the area is naturally saline
- To better understand the chemistry of the water in your well – which helps the Board protect the quality of your water.

Basin Planning Steps



Public Input Time-line

Draft Amendment and Staff Report - Public Review	Spring 2012
Workshop	As Needed
Anticipated Central Valley Water Board Adoption Hearing	Summer 2012

Keeping in Touch

■ Website

http://www.waterboards.ca.gov/centralvalley/water_issues/basin_plans/hodson_littlejohns_fault_zone/index.shtml

■ Notifications

– Email Subscription

http://www.waterboards.ca.gov/resources/email_subscriptions/reg5_subscribe.shtml

Hodson-Littlejohns Fault Zone Groundwater

– Postal

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