











Problem: Lowered Productivity in California

WHY? Several reasons BUT

- [1] Stomata close-down "in error", lowering assimilation Stomata conductance altered by water loss
- [2] Light is limiting for assimilation, relative to size of canopy

Potential solutions:

- [1] Increase productivity through manipulation of air relative-humidity.
- [2] Alter the canopy of the trees to change air flow & light absorption Denser canopy to control water loss.

Research Plan:

- [1] Determine the assimilation efficiency upon stomata conductance
- [2] Determine the variation of conductance upon relative humidity.
- [3] Build a simplified model of assimilation



































































