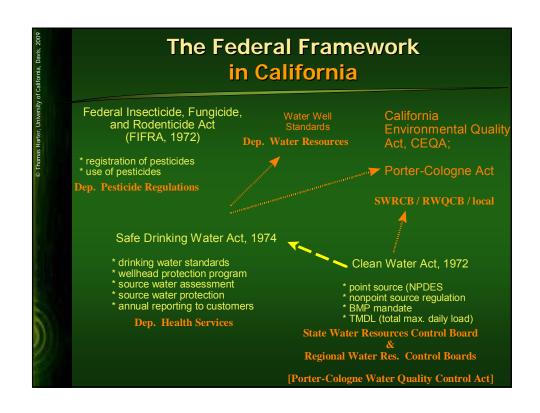
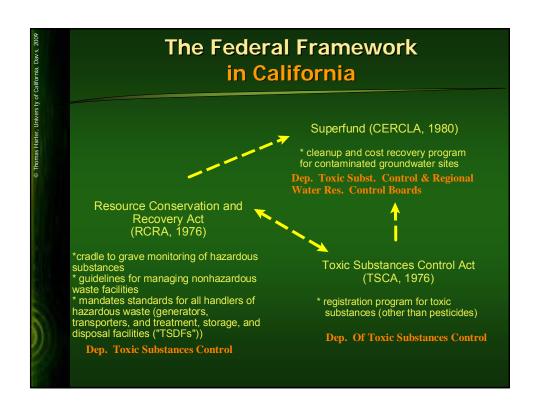


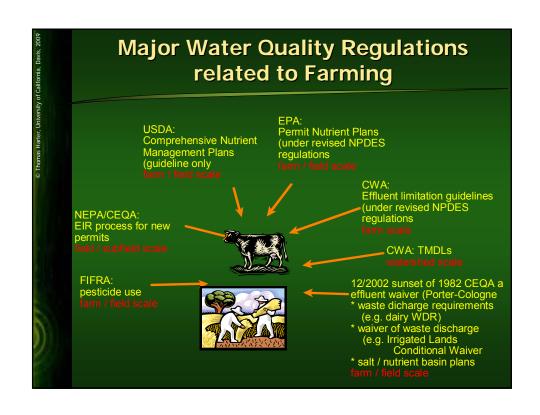
## Perspectives on NPS Pollution for Successful Source Protection Understanding NPS Sources here: dairies/(C)AFOs] source control

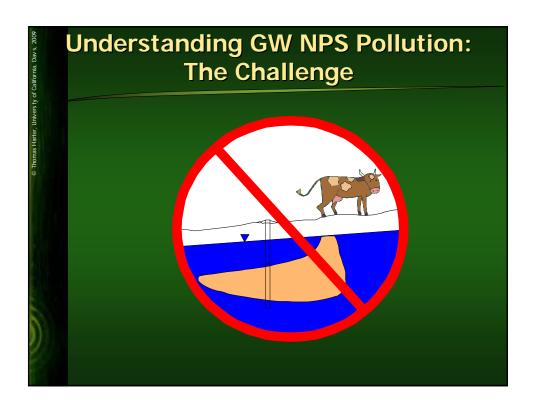
- management practicesUnderstanding pollutants
  - physics/chemistry of environmental fate
    - Transport
    - Sorption
    - Degradation
  - analytical methods
  - assessment models
- Policy
  - regulatory programs
  - management programs
  - role of monitoring / feedback

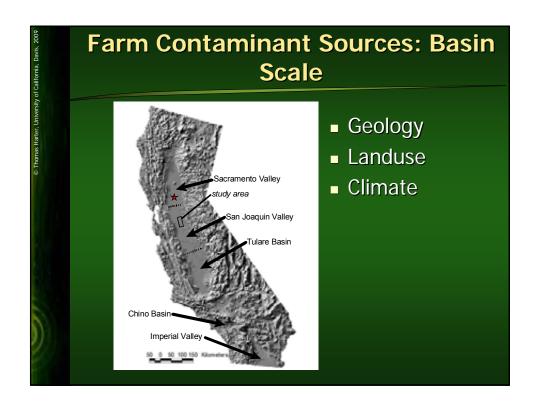
## Agricultural NPS Pollutants Salinity Nitrate Pesticides Emerging contaminants in animal farming: Pathogens (E. coli H7 O157, Campylobacter, Salmonella, Cryptosporidium) Antibiotics & other pharmaceuticals Steroid hormones

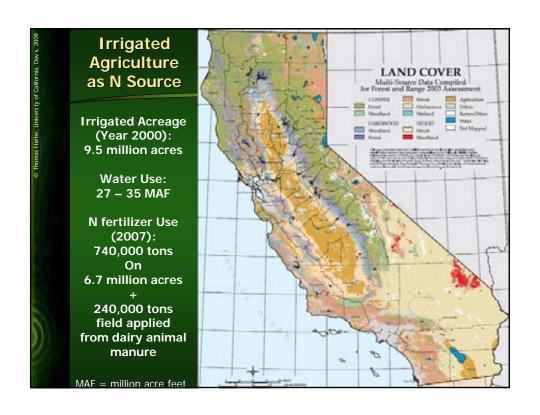


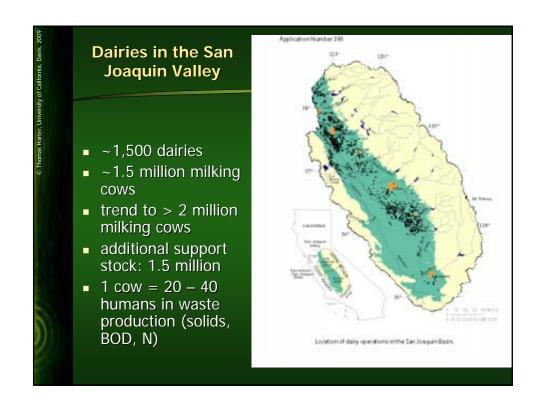


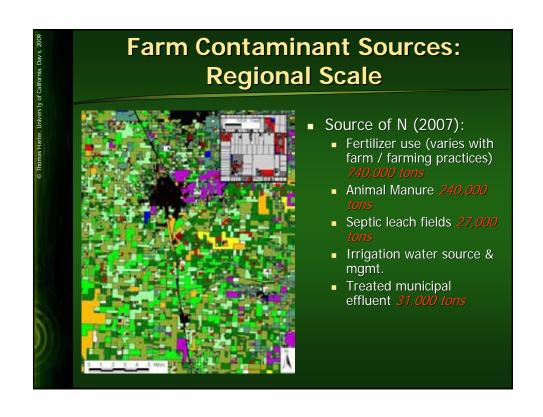


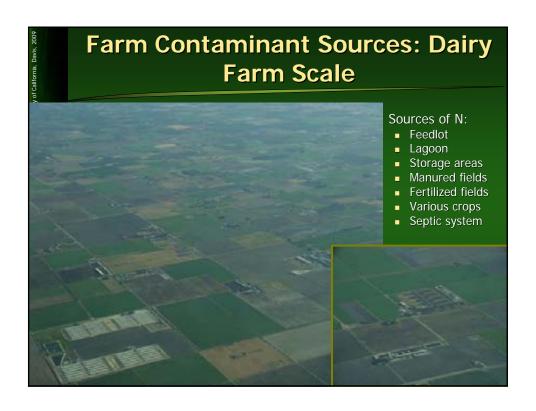


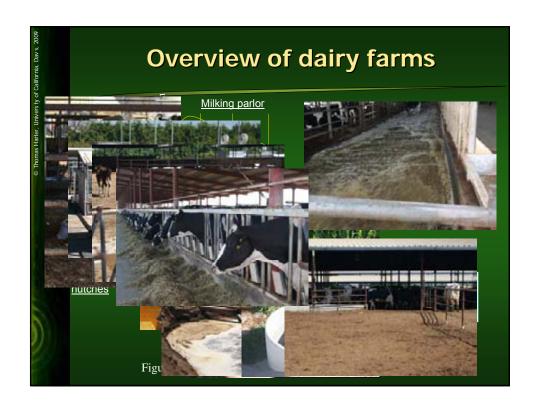








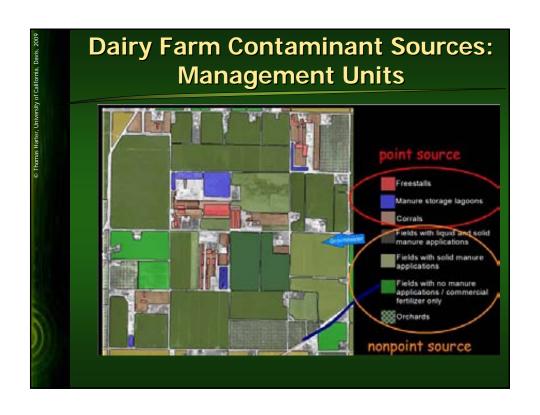


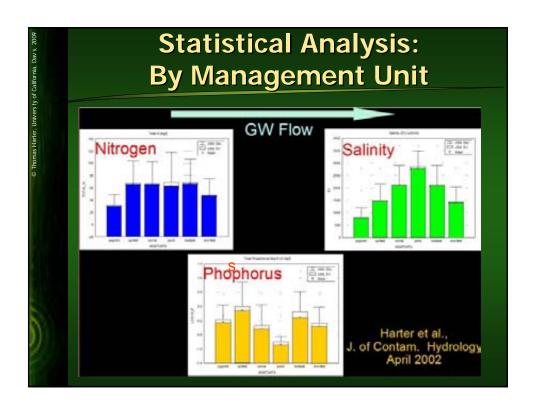


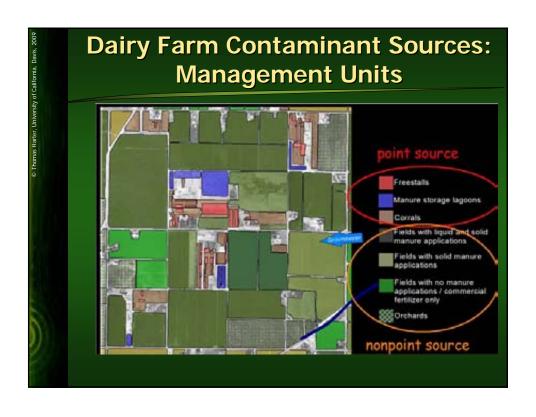
## **Dairy Nutrient Cycling**

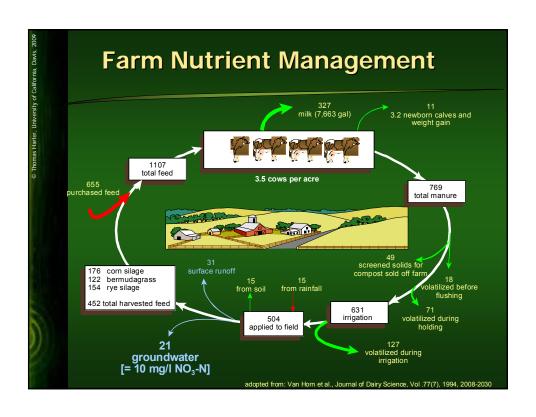
- <a href="http://www.youtube.com/watch?v=G6QliWbvBwl">http://www.youtube.com/watch?v=G6QliWbvBwl</a>
- http://ucanr.org/spotlight/groundwater.shtml



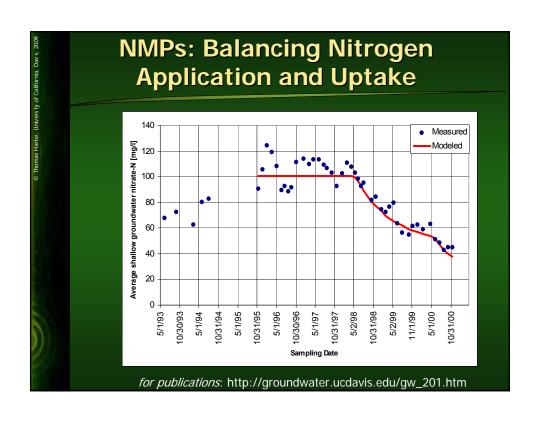












Central Valley Regional Water Quality Control Board Dairy Waste Discharge Requirements

Preliminary Dairy Facility Assessment

Existing nutrient management

Existing waste management conditions

Existing water quality conditions

Nutrient management plan (crop land)

Waste management plan (animal facilities, waste storage facilities)

Groundwater monitoring

