

# Resource Concerns – CPPE Components

## Effective FY 2013

### SOIL EROSION

- Sheet, Rill, & Wind Erosion
  - Sheet and Rill
  - Wind
- Concentrated Flow Erosion
  - Classic Gully
  - Ephemeral Erosion
- Excessive bank erosion from streams, shorelines or water conveyance channels

### SOIL QUALITY DEGRADATION

- Subsidence
- Compaction
- Organic Matter Depletion
- Concentration of Salts and other Chemicals

### EXCESS / INSUFFICIENT WATER

- Ponding, Flooding, Seasonal High Water Table, Seeps and Drifted Snow
  - Seep
  - Runoff, Flooding or Ponding
  - Seasonal high water table
  - Drifted Snow
- Inefficient Moisture Management
- Inefficient Use of Irrigation Water

### WATER QUALITY DEGRADATION

- Excess nutrients in surface and ground waters
  - Ground water
  - Surface waters
- Pesticides transported to surface and ground waters
  - Ground waters
  - Surface waters
- Excess pathogens and chemicals from manure, bio-solids or compost applications in surface waters and ground waters
  - Surface Water
  - Groundwater

- Excessive Salts in surface waters and ground waters
  - Surface waters
  - Ground waters
- Petroleum, Heavy Metal and other pollutants transported to waters
  - Surface waters
  - Ground waters
- Excessive Sediment in surface waters
- Elevated Water Temperature

### DEGRADED PLANT CONDITION

- Undesirable Plant Productivity and Health
- Inadequate Structure and Composition
- Excessive Plant Pest Pressure
- Wildfire Hazard, Excessive Biomass Accumulation

### INADEQUATE HABITAT FOR FISH AND WILDLIFE

- Habitat Degradation
  - Food
  - Water
  - Cover/Shelter
  - Habitat Continuity / Space

### LIVESTOCK PRODUCTION LIMITATION

- Inadequate Feed and Forage
- Inadequate Livestock Shelter
- Inadequate Livestock Water

### AIR QUALITY IMPACTS

- Emissions of Particulate Matter (PM) and PM Precursors
- Emission of Greenhouse Gases (GHGs)
- Emissions of Ozone Precursors
- Objectionable Odors

### INEFFICIENT ENERGY USE

- Equipment and Facilities
- Farming/Ranching Practices and Field Operations