

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