

RESOURCE CONCERNS

Soil

Erosion

- a. **Sheet and rill** – Soil erosion caused by overland water flow.

Quality Criteria: The soil loss is reduced to tolerance “T” for the soil map unit, listed in Section II, FOTG using the current soil loss prediction model.

- b. **Ephemeral gully** – Concentrated flow channels in small water courses that begin where overland flow concentrates.

Quality Criteria: Treated and affected areas are stabilized using the CPPE documentation.

- c. **Classic gully** – Channels too deep to be crossed with normal equipment. They may grow or enlarge by head cutting and lateral widening.

Quality Criteria: Head cutting is stopped, channel bottom and side slopes are stabilized so as not to jeopardize the intended land use or cause off-site damage using the CPPE documentation.

- d. **Streambank** – Sloughing of banks caused by overbank flows, obstructions, livestock trampling, or equipment

Quality Criteria: The streambank is stabilized (70% or more vegetative and/or mechanical treatment) so as not to jeopardize the intended land use or cause off-site damage using the CPPE documentation.

Condition

- a. **Poor soil tilth** – A soil condition that impairs the growth and vigor of the plant species of concern.

Quality Criteria: Soil texture, compaction and organic matter are at levels that allow infiltration, root penetration and normal plant development using the CPPE documentation.

- b. **Excess soil amendments and pesticide** – Excess fertilizers, animal waste, heavy metals, and other organics that restrict the desired use of the land.

Quality Criteria: Fertilizers, animal waste and other organics are present at levels which do not restrict the use of the land or the soil does not transmit contaminants that adversely affect water, air, plants and animals using the CPPE documentation.