

Conservation Practice Physical Effects - Land Clearing (460)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Fill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety 2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides 3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Slight - to Significant - Slight - to Moderate - Slight - to Moderate - Slight - to Moderate - Slight - to Moderate - Not Applicable Slight - to Moderate - Slight - to Moderate - Slight - to Significant - Slight - to Moderate - Negligible to Slight - Not Applicable Not Applicable Not Applicable Not Applicable Slight - to Significant - Slight - to Significant - Slight - to Significant - Slight - to Significant -
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite (i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Slight - to Moderate - Slight - to Moderate - Slight - to Moderate - Slight - to Moderate - Not Applicable Slight - to Moderate - Slight - to Moderate - Slight - to Moderate - Slight - to Moderate - Negligible Negligible Negligible Not Applicable Not Applicable Negligible to Slight - Negligible to Slight - Slight - to Significant - Not Applicable Slight - to Significant -

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Air Resource Problem / Consideration	Effect
<p>1. Quality</p> <ul style="list-style-type: none"> (a) <u>Sediment and Smoke Particulates Causing Safety Problems: Onsite</u> (b) <u>Sediment and Smoke Particulates Causing Safety Problems: Offsite</u> (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite</u> (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite</u> (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite</u> (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite</u> (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift: Onsite</u> (i) <u>Airborne Chemical Drift: Offsite</u> (j) <u>Airborne Odors</u> <p>2. Condition</p> <ul style="list-style-type: none"> (a) <u>Air Temperature</u> (b) <u>Air Movement</u> (c) <u>Humidity</u> 	<p>Moderate - to Significant - Moderate - to Significant - Not Applicable Not Applicable Not Applicable</p> <p>Slight - to Moderate - Slight - to Moderate - Slight - to Moderate -</p>
Plant Resource Problem / Consideration	Effect
<p>1. Suitability</p> <ul style="list-style-type: none"> (a) <u>Plants are not well adapted to site</u> (b) <u>Plants are unsuitable for intended use</u> <p>2. Condition</p> <p><u>Productivity (Kinds, Amounts, & Distribution)</u></p> <ul style="list-style-type: none"> (a) <u>Cropland</u> (b) <u>Hayland and Pastureland</u> (c) <u>Rangeland</u> (d) <u>Seeded Rangeland</u> (e) <u>Annual Rangeland</u> (f) <u>Forestland</u> (g) <u>Other Land (Wildlife, Recreation, etc.)</u> <ul style="list-style-type: none"> (h) <u>Health and Vigor</u> (i) <u>Plant Damage by Wind Erosion</u> <p>3. Management</p> <ul style="list-style-type: none"> (a) <u>Establishment, Growth, and Harvest</u> (b) <u>Nutrient Management</u> (c) <u>Pests (Brush, Weeds, Insects, Diseases, and Fungi)</u> 	<p>Not Applicable Moderate + to Significant +</p> <p>Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Slight + to Significant + Moderate + to Significant + Not Applicable Slight + to Moderate +</p> <p>Moderate + to Significant + Not Applicable Moderate + to Significant +</p>
Animal Resource Problem / Consideration	Effect
<p>1. Habitat</p> <p><u>Domestic Animals</u></p> <ul style="list-style-type: none"> (a) <u>Food</u> (b) <u>Cover or Shelter</u> (c) <u>Quantity and Quality of Drinking Water</u> <p><u>Wildlife</u></p> <ul style="list-style-type: none"> (d) <u>Food</u> (e) <u>Cover or Shelter</u> (f) <u>Quantity and Quality of Drinking Water</u> <p>2. Management</p> <ul style="list-style-type: none"> (a) <u>Population / Resource Balance</u> (b) <u>Animal Health</u> 	<p>Significant + to Significant - Significant + to Significant - Moderate + to Moderate -</p> <p>Significant + to Significant - Significant + to Significant - Moderate + to Moderate -</p> <p>Significant + to Significant - Negligible</p>

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Land Reconstruction (Aband. Mine) (543)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Fill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety 2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides 3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Moderate + to Significant + Slight + to Significant + Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Negligible Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Slight + to Significant + Slight + to Significant + Slight + to Significant + Not Applicable Not Applicable Not Applicable Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Moderate + to Significant +
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite</u> (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite</u> (i) <u>Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes</u> 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Slight - to Moderate - Slight + to Moderate + Slight - to Moderate - Slight + to Significant + Not Applicable Slight + to Moderate + Slight + to Significant + Slight + to Significant + Slight + to Significant + Negligible Negligible Negligible Negligible to Moderate - Negligible to Moderate - Slight + to Moderate + Slight + to Moderate + Negligible to Moderate - Negligible to Moderate - Slight + to Moderate + Negligible to Moderate -

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Land Reconstruction (Aband. Mine) (543), page 2

Air Resource Problem / Consideration	Effect
<p>1. Quality</p> <ul style="list-style-type: none"> (a) <u>Sediment and Smoke Particulates Causing Safety Problems: Onsite</u> (b) <u>Sediment and Smoke Particulates Causing Safety Problems: Offsite</u> (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite</u> (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite</u> (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite</u> (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite</u> (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift: Onsite</u> (i) <u>Airborne Chemical Drift: Offsite</u> (j) Airborne Odors <p>2. Condition</p> <ul style="list-style-type: none"> (a) Air Temperature (b) Air Movement (c) Humidity 	<p>Moderate + to Significant + Moderate + to Significant + Negligible Negligible Negligible Negligible</p> <p>Negligible to Significant + Negligible to Significant + Negligible</p>
Plant Resource Problem / Consideration	Effect
<p>1. Suitability</p> <ul style="list-style-type: none"> (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use <p>2. Condition</p> <p><u>Productivity (Kinds, Amounts, & Distribution)</u></p> <ul style="list-style-type: none"> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion <p>3. Management</p> <ul style="list-style-type: none"> (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi) 	<p>Moderate + to Significant + Significant +</p> <p>Significant + Significant + Significant + Significant + Not Applicable Significant + Significant + Significant + Significant + Moderate + to Significant +</p> <p>Moderate + to Significant + Slight + to Moderate + Negligible</p>
Animal Resource Problem / Consideration	Effect
<p>1. Habitat</p> <p><u>Domestic Animals</u></p> <ul style="list-style-type: none"> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <p><u>Wildlife</u></p> <ul style="list-style-type: none"> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water <p>2. Management</p> <ul style="list-style-type: none"> (a) Population / Resource Balance (b) Animal Health 	<p>Slight + to Significant + Slight + to Significant + Significant + to Moderate -</p> <p>Slight + to Significant + Slight + to Significant + Significant + to Moderate -</p> <p>Moderate + to Significant + Slight + to Significant +</p>

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Land Smoothing (466), page 2

Air Resource Problem / Consideration	Effect
<p>1. Quality</p> <ul style="list-style-type: none"> (a) <u>Sediment and Smoke Particulates Causing Safety Problems</u>: Onsite (b) <u>Sediment and Smoke Particulates Causing Safety Problems</u>: Offsite (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u>: Onsite (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u>: Offsite (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u>: Onsite (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u>: Offsite (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift</u>: Onsite (i) <u>Airborne Chemical Drift</u>: Offsite (j) Airborne Odors <p>2. Condition</p> <ul style="list-style-type: none"> (a) Air Temperature (b) Air Movement (c) Humidity 	<p>Negligible</p> <p>Negligible</p> <p>Negligible</p> <p>Negligible</p> <p>Negligible</p> <p>Negligible</p> <p>Negligible</p> <p>Not Applicable</p> <p>Not Applicable</p> <p>Not Applicable</p> <p>Not Applicable</p> <p>Not Applicable</p> <p>Not Applicable</p>
Plant Resource Problem / Consideration	Effect
<p>1. Suitability</p> <ul style="list-style-type: none"> (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use <p>2. Condition</p> <p><u>Productivity (Kinds, Amounts, & Distribution)</u></p> <ul style="list-style-type: none"> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion <p>3. Management</p> <ul style="list-style-type: none"> (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi) 	<p>Slight + to Significant +</p> <p>Not Applicable</p> <p>Not Applicable</p> <p>Not Applicable</p> <p>Not Applicable</p> <p>Slight + to Significant +</p> <p>Slight + to Significant +</p> <p>Negligible</p> <p>Significant +</p> <p>Slight +</p> <p>Slight +</p>
Animal Resource Problem / Consideration	Effect
<p>1. Habitat</p> <p><u>Domestic Animals</u></p> <ul style="list-style-type: none"> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <p><u>Wildlife</u></p> <ul style="list-style-type: none"> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water <p>2. Management</p> <ul style="list-style-type: none"> (a) Population / Resource Balance (b) Animal Health 	<p>Slight - to Significant -</p> <p>Slight - to Significant -</p> <p>Negligible to Slight +</p> <p>Slight - to Significant -</p> <p>Slight - to Significant -</p> <p>Negligible to Slight +</p> <p>Significant + to Significant -</p> <p>Negligible</p>

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Livestock Exclusion (472)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Rill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety 2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides 3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Slight + to Significant + Slight + to Significant + Moderate + to Significant + Moderate + to Significant + Significant + Not Applicable Slight + to Moderate + Significant + Not Applicable Moderate + to Significant + Moderate + to Significant + Slight + to Moderate + Negligible to Moderate + Not Applicable Moderate + to Significant + Moderate + to Significant + Slight + to Moderate + Slight + Slight + to Moderate +
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite (i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Negligible to Slight - Slight + to Moderate + Not Applicable Slight + Not Applicable Moderate + to Significant + Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Negligible to Slight + Negligible to Significant + Negligible to Slight + Negligible to Moderate + Negligible to Slight + Negligible to Moderate + Negligible to Significant + Slight + to Moderate + Moderate + to Significant + Negligible to Slight + Negligible Moderate + to Significant + Moderate + to Significant + Moderate + to Significant +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Livestock Exclusion (472), page 2

Air Resource Problem / Consideration	Effect
<p>1. Quality</p> <ul style="list-style-type: none"> (a) <u>Sediment and Smoke Particulates Causing Safety Problems</u>: Onsite (b) <u>Sediment and Smoke Particulates Causing Safety Problems</u>: Offsite (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u>: Onsite (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u>: Offsite (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u>: Onsite (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u>: Offsite (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift</u>: Onsite (i) <u>Airborne Chemical Drift</u>: Offsite (j) Airborne Odors <p>2. Condition</p> <ul style="list-style-type: none"> (a) Air Temperature (b) Air Movement (c) Humidity 	<p>Slight + Slight + to Moderate + Slight + to Moderate + Slight + Slight + Slight + Slight + Negligible to Slight + Negligible to Slight + Significant +</p> <p>Slight + Negligible Negligible to Slight +</p>
Plant Resource Problem / Consideration	Effect
<p>1. Suitability</p> <ul style="list-style-type: none"> (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use <p>2. Condition</p> <p><u>Productivity (Kinds, Amounts, & Distribution)</u></p> <ul style="list-style-type: none"> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion <p>3. Management</p> <ul style="list-style-type: none"> (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi) 	<p>Not Applicable Moderate + to Significant +</p> <p>Not Applicable Not Applicable Not Applicable Moderate + to Significant + Not Applicable Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Slight +</p> <p>Significant + Not Applicable Slight + to Significant +</p>
Animal Resource Problem / Consideration	Effect
<p>1. Habitat</p> <p><u>Domestic Animals</u></p> <ul style="list-style-type: none"> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <p><u>Wildlife</u></p> <ul style="list-style-type: none"> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water <p>2. Management</p> <ul style="list-style-type: none"> (a) Population / Resource Balance (b) Animal Health 	<p>Moderate + to Significant + Moderate + to Significant + Significant +</p> <p>Moderate + to Significant + Moderate + to Significant + Significant +</p> <p>Moderate + to Significant + Moderate + to Significant +</p>

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Mulching (484)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Rill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety 2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides 3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Moderate + to Significant + Moderate + to Significant + Slight + to Moderate + Negligible to Slight + Negligible Slight + to Significant + Slight + to Moderate + Moderate + to Significant + Negligible Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Negligible Negligible Negligible Moderate + to Significant + Slight + to Moderate + Moderate + to Significant + Moderate + to Significant +
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite (i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Negligible to Slight - Slight + to Moderate + Slight - to Moderate - Slight + to Moderate + Slight + to Moderate + Moderate + to Slight - Negligible to Slight - Negligible to Slight - Negligible to Slight - Negligible to Slight - Moderate + to Significant + Moderate + to Significant + Not Applicable Negligible to Slight + Slight + to Moderate +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Mulching (484), page 2

Air Resource Problem / Consideration	Effect
<p>1. Quality</p> <ul style="list-style-type: none"> (a) <u>Sediment and Smoke Particulates Causing Safety Problems: Onsite</u> (b) <u>Sediment and Smoke Particulates Causing Safety Problems: Offsite</u> (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite</u> (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite</u> (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite</u> (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite</u> (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift: Onsite</u> (i) <u>Airborne Chemical Drift: Offsite</u> (j) <u>Airborne Odors</u> <p>2. Condition</p> <ul style="list-style-type: none"> (a) Air Temperature (b) Air Movement (c) Humidity 	<p>Moderate + to Significant + Slight + to Moderate + Moderate + to Significant + Slight + to Moderate + Moderate + to Significant + Slight + to Moderate + Moderate + to Significant + Negligible Negligible Negligible</p> <p>Slight + to Moderate + Negligible Negligible</p>
Plant Resource Problem / Consideration	Effect
<p>1. Suitability</p> <ul style="list-style-type: none"> (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use <p>2. Condition</p> <p><u>Productivity (Kinds, Amounts, & Distribution)</u></p> <ul style="list-style-type: none"> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion <p>3. Management</p> <ul style="list-style-type: none"> (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi) 	<p>Slight + to Moderate + Not Applicable</p> <p>Slight + to Moderate + Slight + to Moderate + Not Applicable Slight + to Moderate + Not Applicable Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Slight + to Significant +</p> <p>Slight + to Moderate + Slight + to Moderate + Slight + to Slight -</p>
Animal Resource Problem / Consideration	Effect
<p>1. Habitat</p> <p><u>Domestic Animals</u></p> <ul style="list-style-type: none"> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <p><u>Wildlife</u></p> <ul style="list-style-type: none"> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water <p>2. Management</p> <ul style="list-style-type: none"> (a) Population / Resource Balance (b) Animal Health 	<p>Negligible Negligible Negligible to Moderate +</p> <p>Negligible Negligible Negligible to Moderate +</p> <p>Not Applicable Not Applicable</p>

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Nutrient Mgt. (Deficient) (590)

Soil Resource Problem / Consideration	Effect
1. Erosion	
(a) Sheet and Rill	Slight + to Moderate +
(b) Wind	Slight + to Moderate +
(c) Concentrated Flow: Ephemeral Gully	Negligible to Slight +
(d) Concentrated Flow: Classic Gully	Negligible to Slight +
(e) Streambank	Negligible to Slight +
(f) Irrigation Induced	Negligible
(g) Soil Mass Movement	Negligible
(h) Roadbanks and Construction Sites	Moderate + to Significant +
(i) Safety	Not Applicable
2. Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Slight + to Moderate +
(b) Soil Compaction	Slight + to Moderate +
<u>Soil Contaminants</u>	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Not Applicable
(d) Excess Animal Wastes & Other Organics	Not Applicable
(e) Excess Fertilizer	Not Applicable
(f) Excess Pesticides	Negligible to Moderate +
3. Deposition	
(a) Damage: Onsite	Slight + to Moderate +
(b) Damage: Offsite	Slight +
(c) Safety: Onsite	Slight +
(d) Safety: Offsite	Slight + to Moderate +
Water Resource Problem / Consideration	Effect
1. Quantity	
(a) Excess Amounts: Seeps	Slight +
(b) Excess Amounts: Runoff / Flooding	Slight +
(c) Excess Amounts: Subsurface Water	Negligible to Slight +
(d) Inadequate Outlets	Negligible
(e) Water Management for Irrigated Land	Slight + to Moderate +
(f) Water Management for Non- Irrigated Land	Slight + to Moderate +
(g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite	Slight + to Moderate +
(h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite	Slight +
(i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes	Slight +
2. Quality	
<u>Groundwater Contaminants</u>	
(a) Pesticides	Slight +
(b) Nutrients and Organics	Negligible
(c) Salinity	Negligible
(d) Heavy Metals	Negligible
(e) Pathogens	Negligible
<u>Surface Water Contaminants (Streams and Lakes)</u>	
(g) Pesticides	Slight +
(h) Nutrients and Organics	Negligible to Slight -
(i) Suspended Sediment and Turbidity	Negligible
(j) Low Dissolved Oxygen	Negligible
(k) Salinity	Negligible
(l) Heavy Metals	Negligible
(m) Temperature	Negligible
(n) Pathogens	Negligible
(o) Aquatic Habitat Suitability	Slight +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Nutrient Mgt. (Deficient) (590), page 2

Air Resource Problem / Consideration	Effect
<p>1. Quality</p> <ul style="list-style-type: none"> (a) <u>Sediment and Smoke Particulates Causing Safety Problems</u>: Onsite (b) <u>Sediment and Smoke Particulates Causing Safety Problems</u>: Offsite (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u>: Onsite (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u>: Offsite (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u>: Onsite (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u>: Offsite (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift</u>: Onsite (i) <u>Airborne Chemical Drift</u>: Offsite (j) Airborne Odors <p>2. Condition</p> <ul style="list-style-type: none"> (a) Air Temperature (b) Air Movement (c) Humidity 	<p>Slight + Negligible Negligible Negligible Negligible to Slight - Negligible to Slight - Negligible Negligible Negligible Negligible to Significant +</p> <p>Negligible Negligible Negligible</p>
Plant Resource Problem / Consideration	Effect
<p>1. Suitability</p> <ul style="list-style-type: none"> (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use <p>2. Condition</p> <p><u>Productivity (Kinds, Amounts, & Distribution)</u></p> <ul style="list-style-type: none"> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion <p>3. Management</p> <ul style="list-style-type: none"> (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi) 	<p>Negligible to Moderate + Negligible</p> <p>Slight + to Significant + Slight + to Significant + Slight + to Significant + Slight + to Significant + Not Applicable Slight + to Significant + Slight + to Significant + Slight + to Significant + Slight +</p> <p>Slight + to Significant + Moderate + to Significant + Negligible to Slight +</p>
Animal Resource Problem / Consideration	Effect
<p>1. Habitat</p> <p><u>Domestic Animals</u></p> <ul style="list-style-type: none"> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <p><u>Wildlife</u></p> <ul style="list-style-type: none"> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water <p>2. Management</p> <ul style="list-style-type: none"> (a) Population / Resource Balance (b) Animal Health 	<p>Negligible to Significant + Slight + to Significant + Negligible</p> <p>Negligible to Moderate - Slight + to Significant + Negligible</p> <p>Slight + to Moderate + Slight + to Significant +</p>

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Nutrient Mgt. (Excess) (590)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Rill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety	Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Not Applicable
2. Condition (a) Soil Tillth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides	Negligible Negligible to Slight + Not Applicable Not Applicable Significant + Negligible
3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Negligible Negligible Negligible Negligible
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance:</u> Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance:</u> Offsite (i) <u>Restricted Capacity For Sediment Deposition:</u> Water Bodies, Streams, Lakes	Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible
2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Negligible Significant + Slight + to Negligible Slight + to Moderate + Negligible Negligible Significant + Significant + Slight + Slight + to Moderate + Negligible Negligible Slight + to Significant +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Nutrient Mgt. (Excess) (590), page 2

Air Resource Problem / Consideration	Effect
<p>1. Quality</p> <ul style="list-style-type: none"> (a) <u>Sediment and Smoke Particulates Causing Safety Problems</u>: Onsite (b) <u>Sediment and Smoke Particulates Causing Safety Problems</u>: Offsite (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u>: Onsite (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u>: Offsite (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u>: Onsite (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u>: Offsite (g) Airborne Sediment Particulates Causing Conveyance Problems (h) <u>Airborne Chemical Drift</u>: Onsite (i) <u>Airborne Chemical Drift</u>: Offsite (j) Airborne Odors <p>2. Condition</p> <ul style="list-style-type: none"> (a) Air Temperature (b) Air Movement (c) Humidity 	<p>Negligible</p> <p>Negligible</p> <p>Negligible</p> <p>Negligible</p> <p>Negligible</p> <p>Negligible</p> <p>Negligible to Slight -</p> <p>Negligible</p> <p>Negligible</p> <p>Negligible to Significant +</p> <p>Negligible</p> <p>Negligible</p> <p>Negligible</p>
Plant Resource Problem / Consideration	Effect
<p>1. Suitability</p> <ul style="list-style-type: none"> (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use <p>2. Condition</p> <p><u>Productivity (Kinds, Amounts, & Distribution)</u></p> <ul style="list-style-type: none"> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion <p>3. Management</p> <ul style="list-style-type: none"> (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi) 	<p>Negligible to Slight +</p> <p>Negligible</p> <p>Slight + to Significant +</p> <p>Not Applicable</p> <p>Slight + to Significant +</p> <p>Slight + to Significant +</p> <p>Slight + to Significant +</p> <p>Slight +</p> <p>Slight + to Significant +</p> <p>Moderate + to Significant +</p> <p>Negligible to Slight +</p>
Animal Resource Problem / Consideration	Effect
<p>1. Habitat</p> <p><u>Domestic Animals</u></p> <ul style="list-style-type: none"> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <p><u>Wildlife</u></p> <ul style="list-style-type: none"> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water <p>2. Management</p> <ul style="list-style-type: none"> (a) Population / Resource Balance (b) Animal Health 	<p>Negligible to Significant +</p> <p>Negligible to Slight +</p> <p>Slight +</p> <p>Negligible to Significant +</p> <p>Negligible to Slight +</p> <p>Slight +</p> <p>Slight + to Moderate +</p> <p>Slight + to Significant +</p>

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Open Channel (582)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Rill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety 2. Condition (a) Soil Tillth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides 3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Not Applicable Not Applicable Negligible Negligible to Moderate + Moderate + to Significant + Not Applicable Negligible Negligible Negligible Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Moderate + to Significant + Slight + to Moderate + Moderate + to Significant + Slight + to Moderate +
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite (i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Not Applicable Significant + to Significant - Negligible to Significant + Significant + Not Applicable Negligible to Significant + Significant + Negligible to Slight - Slight - Negligible Negligible Negligible Negligible Negligible Negligible to Slight - Negligible to Slight - Negligible to Moderate - Slight + to Moderate + Negligible Negligible Significant + to Significant - Significant + to Significant - Significant + to Significant -

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Air Resource Problem / Consideration	Effect
1. Quality (a) <u>Sediment and Smoke Particulates Causing Safety Problems</u> : Onsite (b) <u>Sediment and Smoke Particulates Causing Safety Problems</u> : Offsite (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u> : Onsite (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u> : Offsite (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u> : Onsite (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u> : Offsite (g) Airborne Sediment Particulates Causing Conveyance Problems (h) <u>Airborne Chemical Drift</u> : Onsite (i) <u>Airborne Chemical Drift</u> : Offsite (j) Airborne Odors 2. Condition (a) Air Temperature (b) Air Movement (c) Humidity	Negligible Negligible Negligible Not Applicable Negligible Not Applicable Not Applicable
Plant Resource Problem / Consideration	Effect
1. Suitability (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use 2. Condition <u>Productivity (Kinds, Amounts, & Distribution)</u> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion 3. Management (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Negligible Not Applicable Significant + to Significant - Significant + to Significant - Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Significant + to Significant - Negligible Slight + to Significant + Not Applicable Not Applicable
Animal Resource Problem / Consideration	Effect
1. Habitat <u>Domestic Animals</u> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <u>Wildlife</u> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water 2. Management (a) Population / Resource Balance (b) Animal Health	Negligible to Significant + Moderate + to Moderate - Negligible to Slight + Negligible to Significant + Moderate + to Moderate - Negligible to Slight + Negligible Negligible

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Pasture & Hayland Mgt. (510)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Rill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety 2. Condition (a) Soil Tillth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides 3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Slight + to Significant + Slight + to Significant + Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Moderate + Slight + to Moderate + Negligible Not Applicable Moderate + to Significant + Moderate + to Significant + Slight + Slight + to Moderate + Slight + to Significant + Slight + to Significant + Slight + to Moderate + Slight + Slight + Slight + to Moderate +
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite (i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Moderate + to Moderate - Slight + to Moderate + Slight + to Moderate + Slight + Negligible to Slight + Moderate + to Significant + Slight + Slight + Slight + Slight + Slight + Slight + to Moderate + Slight + Negligible Slight + Slight + Slight + to Significant + Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Negligible Negligible Negligible Slight + Slight +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Pasture & Hayland Mgt. (510), page 2

Air Resource Problem / Consideration	Effect
1. Quality (a) <u>Sediment and Smoke Particulates Causing Safety Problems</u> : Onsite (b) <u>Sediment and Smoke Particulates Causing Safety Problems</u> : Offsite (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u> : Onsite (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u> : Offsite (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u> : Onsite (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u> : Offsite (g) Airborne Sediment Particulates Causing Conveyance Problems (h) <u>Airborne Chemical Drift</u> : Onsite (i) <u>Airborne Chemical Drift</u> : Offsite (j) Airborne Odors 2. Condition (a) Air Temperature (b) Air Movement (c) Humidity	Slight + Slight + to Moderate + Slight + to Moderate + Slight + Slight + Slight + Slight + Slight + Slight + Negligible Slight + to Moderate + Negligible Slight + to Moderate +
Plant Resource Problem / Consideration	Effect
1. Suitability (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use 2. Condition <u>Productivity (Kinds, Amounts, & Distribution)</u> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion 3. Management (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Not Applicable Slight + to Significant + Not Applicable Significant + Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Significant + Slight + Significant + Significant + Significant +
Animal Resource Problem / Consideration	Effect
1. Habitat <u>Domestic Animals</u> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <u>Wildlife</u> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water 2. Management (a) Population / Resource Balance (b) Animal Health	Moderate + to Significant + Slight + to Moderate + Moderate + to Significant + Moderate + to Significant + Slight + to Moderate + Moderate + to Significant + Significant + Moderate + to Significant +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Pasture & Hayland Planting (512)

Soil Resource Problem / Consideration	Effect
1. Erosion	
(a) Sheet and Rill	Moderate + to Significant +
(b) Wind	Moderate + to Significant +
(c) Concentrated Flow: Ephemeral Gully	Moderate + to Significant +
(d) Concentrated Flow: Classic Gully	Slight + to Moderate +
(e) Streambank	Slight + to Moderate +
(f) Irrigation Induced	Moderate + to Significant +
(g) Soil Mass Movement	Slight + to Moderate +
(h) Roadbanks and Construction Sites	Slight + to Significant +
(i) Safety	Not Applicable
2. Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Moderate + to Significant +
(b) Soil Compaction	Moderate + to Significant +
<u>Soil Contaminants</u>	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Negligible to Slight +
(d) Excess Animal Wastes & Other Organics	Moderate + to Significant +
(e) Excess Fertilizer	Slight + to Moderate +
(f) Excess Pesticides	Moderate + to Significant +
3. Deposition	
(a) Damage: Onsite	Slight + to Moderate +
(b) Damage: Offsite	Slight +
(c) Safety: Onsite	Slight +
(d) Safety: Offsite	Slight + to Moderate +
Water Resource Problem / Consideration	Effect
1. Quantity	
(a) Excess Amounts: Seeps	Slight - to Moderate +
(b) Excess Amounts: Runoff / Flooding	Slight + to Moderate +
(c) Excess Amounts: Subsurface Water	Slight + to Moderate +
(d) Inadequate Outlets	Slight +
(e) Water Management for Irrigated Land	Negligible to Slight +
(f) Water Management for Non- Irrigated Land	Slight + to Moderate +
(g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite	Slight + to Significant +
(h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite	Slight + to Significant +
(i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes	Slight + to Moderate +
2. Quality	
<u>Groundwater Contaminants</u>	
(a) Pesticides	Slight + to Moderate +
(b) Nutrients and Organics	Slight + to Moderate +
(c) Salinity	Slight + to Moderate +
(d) Heavy Metals	Negligible
(e) Pathogens	Slight + to Moderate +
<u>Surface Water Contaminants (Streams and Lakes)</u>	
(g) Pesticides	Slight + to Moderate +
(h) Nutrients and Organics	Slight + to Significant +
(i) Suspended Sediment and Turbidity	Slight + to Moderate +
(j) Low Dissolved Oxygen	Slight + to Moderate +
(k) Salinity	Negligible
(l) Heavy Metals	Negligible
(m) Temperature	Negligible
(n) Pathogens	Slight + to Slight -
(o) Aquatic Habitat Suitability	Slight +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Pasture & Hayland Planting (512), page 2

Air Resource Problem / Consideration	Effect
<p>1. Quality</p> <ul style="list-style-type: none"> (a) <u>Sediment and Smoke Particulates Causing Safety Problems: Onsite</u> (b) <u>Sediment and Smoke Particulates Causing Safety Problems: Offsite</u> (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite</u> (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite</u> (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite</u> (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite</u> (g) Airborne Sediment Particulates Causing Conveyance Problems (h) <u>Airborne Chemical Drift: Onsite</u> (i) <u>Airborne Chemical Drift: Offsite</u> (j) Airborne Odors <p>2. Condition</p> <ul style="list-style-type: none"> (a) Air Temperature (b) Air Movement (c) Humidity 	<p>Slight + to Moderate + Slight + to Moderate + Negligible</p> <p>Slight + to Moderate + Negligible Slight + to Moderate +</p>
Plant Resource Problem / Consideration	Effect
<p>1. Suitability</p> <ul style="list-style-type: none"> (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use <p>2. Condition</p> <p><u>Productivity (Kinds, Amounts, & Distribution)</u></p> <ul style="list-style-type: none"> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion <p>3. Management</p> <ul style="list-style-type: none"> (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi) 	<p>Significant + Significant +</p> <p>Not Applicable Significant + Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Significant + Slight +</p> <p>Significant + Significant + Significant +</p>
Animal Resource Problem / Consideration	Effect
<p>1. Habitat</p> <p><u>Domestic Animals</u></p> <ul style="list-style-type: none"> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <p><u>Wildlife</u></p> <ul style="list-style-type: none"> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water <p>2. Management</p> <ul style="list-style-type: none"> (a) Population / Resource Balance (b) Animal Health 	<p>Moderate + to Significant + Slight + to Significant + Moderate + to Significant +</p> <p>Moderate + to Significant + Slight + to Significant + Moderate + to Significant +</p> <p>Slight + to Significant + Slight + to Significant +</p>

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Pest. Mgt. (Biological) (595)

Soil Resource Problem / Consideration	Effect
1. Erosion	
(a) Sheet and Fill	Negligible to Slight +
(b) Wind	Negligible to Slight +
(c) Concentrated Flow: Ephemeral Gully	Negligible
(d) Concentrated Flow: Classic Gully	Negligible
(e) Streambank	Not Applicable
(f) Irrigation Induced	Negligible to Slight +
(g) Soil Mass Movement	Not Applicable
(h) Roadbanks and Construction Sites	Not Applicable
(i) Safety	Negligible
2. Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Negligible
(b) Soil Compaction	Negligible
<u>Soil Contaminants</u>	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Negligible
(d) Excess Animal Wastes & Other Organics	Negligible
(e) Excess Fertilizer	Negligible
(f) Excess Pesticides	Negligible to Significant +
3. Deposition	
(a) Damage: Onsite	Negligible
(b) Damage: Offsite	Negligible
(c) Safety: Onsite	Negligible
(d) Safety: Offsite	Negligible
Water Resource Problem / Consideration	Effect
1. Quantity	
(a) Excess Amounts: Seeps	Not Applicable
(b) Excess Amounts: Runoff / Flooding	Not Applicable
(c) Excess Amounts: Subsurface Water	Not Applicable
(d) Inadequate Outlets	Not Applicable
(e) Water Management for Irrigated Land	Slight + to Moderate +
(f) Water Management for Non- Irrigated Land	Slight + to Moderate +
(g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite	Negligible
(h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite	Negligible
(i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes	Negligible
2. Quality	
<u>Groundwater Contaminants</u>	
(a) Pesticides	Significant +
(b) Nutrients and Organics	Negligible
(c) Salinity	Negligible
(d) Heavy Metals	Negligible
(e) Pathogens	Negligible
<u>Surface Water Contaminants (Streams and Lakes)</u>	
(g) Pesticides	Negligible
(h) Nutrients and Organics	Negligible
(i) Suspended Sediment and Turbidity	Negligible
(j) Low Dissolved Oxygen	Negligible
(k) Salinity	Negligible
(l) Heavy Metals	Negligible
(m) Temperature	Negligible
(n) Pathogens	Negligible
(o) Aquatic Habitat Suitability	Negligible to Significant +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Air Resource Problem / Consideration	Effect
<p>1. Quality</p> <ul style="list-style-type: none"> (a) <u>Sediment and Smoke Particulates Causing Safety Problems</u>: Onsite (b) <u>Sediment and Smoke Particulates Causing Safety Problems</u>: Offsite (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u>: Onsite (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u>: Offsite (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u>: Onsite (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u>: Offsite (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift</u>: Onsite (i) <u>Airborne Chemical Drift</u>: Offsite (j) <u>Airborne Odors</u> <p>2. Condition</p> <ul style="list-style-type: none"> (a) Air Temperature (b) Air Movement (c) Humidity 	<p>Slight + Negligible to Slight - Negligible to Slight + Negligible Negligible to Slight + Negligible to Slight + Negligible to Slight + Slight + to Significant + Slight + to Significant + Slight + to Significant +</p> <p>Not Applicable Not Applicable Not Applicable</p>
Plant Resource Problem / Consideration	Effect
<p>1. Suitability</p> <ul style="list-style-type: none"> (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use <p>2. Condition</p> <p><u>Productivity (Kinds, Amounts, & Distribution)</u></p> <ul style="list-style-type: none"> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion <p>3. Management</p> <ul style="list-style-type: none"> (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi) 	<p>Not Applicable Not Applicable</p> <p>Slight + to Moderate + Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Slight + to Moderate + Slight +</p> <p>Significant + Not Applicable Significant +</p>
Animal Resource Problem / Consideration	Effect
<p>1. Habitat</p> <p><u>Domestic Animals</u></p> <ul style="list-style-type: none"> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <p><u>Wildlife</u></p> <ul style="list-style-type: none"> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water <p>2. Management</p> <ul style="list-style-type: none"> (a) Population / Resource Balance (b) Animal Health 	<p>Moderate + to Significant + Slight + to Slight - Slight +</p> <p>Slight - to Significant - Slight + to Slight - Slight +</p> <p>Slight + Slight +</p>

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Pest Mgt. (Chemical) (595)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Rill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety 2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides 3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Negligible to Slight + Negligible to Slight + Negligible Negligible Not Applicable Negligible to Slight + Not Applicable Not Applicable Negligible to Moderate - Negligible Negligible Negligible Negligible Negligible Slight + to Significant + Negligible Negligible Negligible Negligible
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite (i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Not Applicable Not Applicable Not Applicable Not Applicable Slight + to Moderate + Slight + to Moderate + Negligible Negligible Negligible Slight + to Significant + Negligible Negligible Negligible Negligible Slight + to Significant + Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible to Significant +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Air Resource Problem / Consideration	Effect
<p>1. Quality</p> <p>(a) <u>Sediment and Smoke Particulates Causing Safety Problems</u>: Onsite</p> <p>(b) <u>Sediment and Smoke Particulates Causing Safety Problems</u>: Offsite</p> <p>(c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u>: Onsite</p> <p>(d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u>: Offsite</p> <p>(e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u>: Onsite</p> <p>(f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u>: Offsite</p> <p>(g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u></p> <p>(h) <u>Airborne Chemical Drift</u>: Onsite</p> <p>(i) <u>Airborne Chemical Drift</u>: Offsite</p> <p>(j) Airborne Odors</p> <p>2. Condition</p> <p>(a) Air Temperature</p> <p>(b) Air Movement</p> <p>(c) Humidity</p>	<p>Slight +</p> <p>Negligible to Slight +</p> <p>Negligible to Slight +</p> <p>Negligible</p> <p>Negligible to Slight +</p> <p>Negligible to Slight +</p> <p>Negligible to Slight +</p> <p>Slight + to Moderate +</p> <p>Slight + to Moderate +</p> <p>Slight -</p> <p>Not Applicable</p> <p>Not Applicable</p> <p>Not Applicable</p>
<p>Plant Resource Problem / Consideration</p>	<p>Effect</p>
<p>1. Suitability</p> <p>(a) Plants are not well adapted to site</p> <p>(b) Plants are unsuitable for intended use</p> <p>2. Condition</p> <p><u>Productivity (Kinds, Amounts, & Distribution)</u></p> <p>(a) Cropland</p> <p>(b) Hayland and Pastureland</p> <p>(c) Rangeland</p> <p>(d) Seeded Rangeland</p> <p>(e) Annual Rangeland</p> <p>(f) Forestland</p> <p>(g) Other Land (Wildlife, Recreation, etc.)</p> <p>(h) Health and Vigor</p> <p>(i) Plant Damage by Wind Erosion</p> <p>3. Management</p> <p>(a) Establishment, Growth, and Harvest</p> <p>(b) Nutrient Management</p> <p>(c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)</p>	<p>Not Applicable</p> <p>Not Applicable</p> <p>Slight + to Moderate +</p> <p>Not Applicable</p> <p>Not Applicable</p> <p>Not Applicable</p> <p>Not Applicable</p> <p>Not Applicable</p> <p>Not Applicable</p> <p>Slight + to Moderate +</p> <p>Slight +</p> <p>Significant +</p> <p>Not Applicable</p> <p>Significant +</p>
<p>Animal Resource Problem / Consideration</p>	<p>Effect</p>
<p>1. Habitat</p> <p><u>Domestic Animals</u></p> <p>(a) Food</p> <p>(b) Cover or Shelter</p> <p>(c) Quantity and Quality of Drinking Water</p> <p><u>Wildlife</u></p> <p>(d) Food</p> <p>(e) Cover or Shelter</p> <p>(f) Quantity and Quality of Drinking Water</p> <p>2. Management</p> <p>(a) Population / Resource Balance</p> <p>(b) Animal Health</p>	<p>Slight + to Slight -</p> <p>Slight + to Slight -</p> <p>Slight - to Significant -</p> <p>Significant -</p> <p>Slight - to Significant -</p> <p>Slight - to Significant -</p> <p>Slight - to Moderate -</p> <p>Slight -</p>

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Pest. Mgt. (Mechanical) (595)

Soil Resource Problem / Consideration	Effect
1. Erosion	
(a) Sheet and Rill	Slight - to Significant -
(b) Wind	Slight - to Significant -
(c) Concentrated Flow: Ephemeral Gully	Negligible
(d) Concentrated Flow: Classic Gully	Negligible
(e) Streambank	Not Applicable
(f) Irrigation Induced	Slight - to Moderate -
(g) Soil Mass Movement	Not Applicable
(h) Roadbanks and Construction Sites	Not Applicable
(i) Safety	Negligible
2. Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Negligible
(b) Soil Compaction	Negligible
<u>Soil Contaminants</u>	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Not Applicable
(d) Excess Animal Wastes & Other Organics	Negligible
(e) Excess Fertilizer	Negligible
(f) Excess Pesticides	Slight + to Significant +
3. Deposition	
(a) Damage: Onsite	Negligible
(b) Damage: Offsite	Negligible
(c) Safety: Onsite	Negligible
(d) Safety: Offsite	Negligible
Water Resource Problem / Consideration	Effect
1. Quantity	
(a) Excess Amounts: Seeps	Not Applicable
(b) Excess Amounts: Runoff / Flooding	Not Applicable
(c) Excess Amounts: Subsurface Water	Not Applicable
(d) Inadequate Outlets	Not Applicable
(e) Water Management for Irrigated Land	Slight + to Moderate +
(f) Water Management for Non- Irrigated Land	Slight + to Moderate +
(g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite	Negligible
(h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite	Negligible
(i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes	Negligible
2. Quality	
<u>Groundwater Contaminants</u>	
(a) Pesticides	Significant +
(b) Nutrients and Organics	Negligible
(c) Salinity	Negligible
(d) Heavy Metals	Negligible
(e) Pathogens	Negligible
<u>Surface Water Contaminants (Streams and Lakes)</u>	
(g) Pesticides	Significant +
(h) Nutrients and Organics	Negligible
(i) Suspended Sediment and Turbidity	Negligible
(j) Low Dissolved Oxygen	Negligible
(k) Salinity	Negligible
(l) Heavy Metals	Negligible
(m) Temperature	Negligible
(n) Pathogens	Negligible
(o) Aquatic Habitat Suitability	Negligible to Significant +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Air Resource Problem / Consideration	Effect
<p>1. Quality</p> <ul style="list-style-type: none"> (a) <u>Sediment and Smoke Particulates Causing Safety Problems</u>: Onsite (b) <u>Sediment and Smoke Particulates Causing Safety Problems</u>: Offsite (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u>: Onsite (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u>: Offsite (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u>: Onsite (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u>: Offsite (g) Airborne Sediment Particulates Causing Conveyance Problems (h) <u>Airborne Chemical Drift</u>: Onsite (i) <u>Airborne Chemical Drift</u>: Offsite (j) Airborne Odors <p>2. Condition</p> <ul style="list-style-type: none"> (a) Air Temperature (b) Air Movement (c) Humidity 	<p>Slight - Slight - Slight - Negligible Negligible Negligible Negligible Slight + to Moderate + Slight + to Moderate + Not Applicable</p> <p>Not Applicable Not Applicable Not Applicable</p>
<p>Plant Resource Problem / Consideration</p> <p>1. Suitability</p> <ul style="list-style-type: none"> (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use <p>2. Condition</p> <p><u>Productivity (Kinds, Amounts, & Distribution)</u></p> <ul style="list-style-type: none"> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion <p>3. Management</p> <ul style="list-style-type: none"> (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi) 	<p>Not Applicable Not Applicable</p> <p>Slight + to Moderate + Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Slight + to Moderate + Slight -</p> <p>Significant + Not Applicable Significant +</p>
<p>Animal Resource Problem / Consideration</p> <p>1. Habitat</p> <p><u>Domestic Animals</u></p> <ul style="list-style-type: none"> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <p><u>Wildlife</u></p> <ul style="list-style-type: none"> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water <p>2. Management</p> <ul style="list-style-type: none"> (a) Population / Resource Balance (b) Animal Health 	<p>Moderate + to Significant + Slight - Slight +</p> <p>Moderate - to Significant - Slight - to Moderate - Slight +</p> <p>Slight + to Moderate - Slight +</p>

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Pipeline (516)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Rill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety	Not Applicable Not Applicable Not Applicable Not Applicable Negligible to Slight + Not Applicable Not Applicable Not Applicable Not Applicable
2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides	Negligible Negligible Not Applicable Negligible Not Applicable Not Applicable
3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Negligible Negligible Negligible Negligible
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite (i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes	Negligible to Significant + Negligible Negligible Not Applicable Not Applicable Not Applicable Negligible Negligible Negligible
2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Not Applicable Negligible Negligible Not Applicable Not Applicable Not Applicable Negligible to Significant + Negligible to Significant + Negligible Negligible Negligible Negligible Negligible Negligible to Significant + Negligible to Significant +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Planned Grazing System (556)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Fill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety 2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides 3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Slight + to Significant + Slight + to Significant + Slight + to Significant + Slight + to Moderate + Slight + to Significant + Moderate + Slight + to Moderate + Negligible Not Applicable Moderate + to Significant + Slight + to Significant + Slight + to Significant + Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Moderate + Slight + Slight + Slight +
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite (i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Slight - to Moderate - Slight + to Moderate + Slight + to Slight - Slight + Negligible to Slight + Moderate + to Significant + Slight - Slight - Slight - Slight + Negligible Slight - Negligible Negligible Slight + to Slight - Slight + to Moderate + Slight + to Significant + Slight - to Moderate - Slight + to Moderate + Negligible Negligible Negligible Slight +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Planned Grazing System (556), page 2

Air Resource Problem / Consideration	Effect
<p>1. Quality</p> <ul style="list-style-type: none"> (a) <u>Sediment and Smoke Particulates Causing Safety Problems: Onsite</u> (b) <u>Sediment and Smoke Particulates Causing Safety Problems: Offsite</u> (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite</u> (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite</u> (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite</u> (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite</u> (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift: Onsite</u> (i) <u>Airborne Chemical Drift: Offsite</u> (j) <u>Airborne Odors</u> <p>2. Condition</p> <ul style="list-style-type: none"> (a) <u>Air Temperature</u> (b) <u>Air Movement</u> (c) <u>Humidity</u> 	<p>Slight + Slight + to Significant + Slight + to Moderate + Slight + Slight + Slight + Negligible Slight + Slight + Not Applicable</p> <p>Slight + to Moderate + Negligible Negligible</p>
Plant Resource Problem / Consideration	Effect
<p>1. Suitability</p> <ul style="list-style-type: none"> (a) <u>Plants are not well adapted to site</u> (b) <u>Plants are unsuitable for intended use</u> <p>2. Condition</p> <p><u>Productivity (Kinds, Amounts, & Distribution)</u></p> <ul style="list-style-type: none"> (a) <u>Cropland</u> (b) <u>Hayland and Pastureland</u> (c) <u>Rangeland</u> (d) <u>Seeded Rangeland</u> (e) <u>Annual Rangeland</u> (f) <u>Forestland</u> (g) <u>Other Land (Wildlife, Recreation, etc.)</u> (h) <u>Health and Vigor</u> (i) <u>Plant Damage by Wind Erosion</u> <p>3. Management</p> <ul style="list-style-type: none"> (a) <u>Establishment, Growth, and Harvest</u> (b) <u>Nutrient Management</u> (c) <u>Pests (Brush, Weeds, Insects, Diseases, and Fungi)</u> 	<p>Not Applicable Moderate + to Significant +</p> <p>Not Applicable Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Not Applicable Not Applicable Moderate + to Significant + Moderate + to Significant +</p> <p>Significant + Slight + to Significant + Slight + to Significant +</p>
Animal Resource Problem / Consideration	Effect
<p>1. Habitat</p> <p><u>Domestic Animals</u></p> <ul style="list-style-type: none"> (a) <u>Food</u> (b) <u>Cover or Shelter</u> (c) <u>Quantity and Quality of Drinking Water</u> <p><u>Wildlife</u></p> <ul style="list-style-type: none"> (d) <u>Food</u> (e) <u>Cover or Shelter</u> (f) <u>Quantity and Quality of Drinking Water</u> <p>2. Management</p> <ul style="list-style-type: none"> (a) <u>Population / Resource Balance</u> (b) <u>Animal Health</u> 	<p>Slight + to Significant + Negligible Moderate + to Significant +</p> <p>Slight + to Significant + Moderate + Slight +</p> <p>Moderate + to Significant + Slight + to Significant +</p>

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Pond (378)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Fill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety 2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides 3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Negligible Not Applicable Negligible Negligible to Significant + Not Applicable to Slight + Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Negligible to Slight + Negligible to Slight + Negligible to Slight + Negligible to Slight +
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite (i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Negligible to Moderate - Negligible to Slight + Negligible to Slight + Negligible to Slight + Not Applicable Negligible to Significant + Negligible to Moderate + Negligible to Slight + Negligible Not Applicable to Slight - Not Applicable to Slight - Negligible Negligible Not Applicable to Slight - Not Applicable to Moderate - Negligible to Moderate - Negligible Negligible to Slight - Not Applicable Not Applicable Negligible Negligible to Moderate - Slight + to Significant +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Air Resource Problem / Consideration	Effect
1. Quality (a) <u>Sediment and Smoke Particulates Causing Safety Problems</u> : Onsite (b) <u>Sediment and Smoke Particulates Causing Safety Problems</u> : Offsite (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u> : Onsite (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u> : Offsite (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u> : Onsite (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u> : Offsite (g) Airborne Sediment Particulates Causing Conveyance Problems (h) <u>Airborne Chemical Drift</u> : Onsite (i) <u>Airborne Chemical Drift</u> : Offsite (j) Airborne Odors 2. Condition (a) Air Temperature (b) Air Movement (c) Humidity	Slight + Slight + Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Negligible Not Applicable Not Applicable Not Applicable
Plant Resource Problem / Consideration	Effect
1. Suitability (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use 2. Condition <u>Productivity (Kinds, Amounts, & Distribution)</u> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion 3. Management (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Not Applicable Not Applicable Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Not Applicable Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Slight + Slight + to Significant + Not Applicable Negligible
Animal Resource Problem / Consideration	Effect
1. Habitat <u>Domestic Animals</u> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <u>Wildlife</u> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water 2. Management (a) Population / Resource Balance (b) Animal Health	Slight + to Significant + Slight + to Significant + Moderate + to Significant + Slight + to Significant + Slight + to Significant + Moderate + to Significant + Slight + to Significant + Slight + to Significant +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Pond Sealing or Lining (521)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Rill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides	Slight + to Moderate + Negligible Negligible Negligible Negligible Negligible
3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Not Applicable Not Applicable Not Applicable Not Applicable
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite (i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes	Slight + to Significant + Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible
2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Slight +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Precision Land Forming (462)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Rill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety 2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides 3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Slight + to Significant + Negligible Slight + to Significant + Slight + to Moderate + Negligible Slight + to Significant + Negligible Negligible Negligible Negligible Moderate - to Slight + Slight - to Slight + Negligible Negligible Negligible Negligible Slight + Slight + to Moderate + Negligible Negligible
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance:</u> Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance:</u> Offsite (i) <u>Restricted Capacity For Sediment Deposition:</u> Water Bodies, Streams, Lakes 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Negligible Slight + to Moderate + Negligible Negligible Slight + to Moderate + Slight + to Significant + Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Slight - to Slight + Slight - to Slight + Negligible

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Air Resource Problem / Consideration	Effect
1. Quality (a) <u>Sediment and Smoke Particulates Causing Safety Problems: Onsite</u> (b) <u>Sediment and Smoke Particulates Causing Safety Problems: Offsite</u> (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite</u> (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite</u> (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite</u> (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite</u> (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift: Onsite</u> (i) <u>Airborne Chemical Drift: Offsite</u> (j) <u>Airborne Odors</u>	Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible
2. Condition (a) Air Temperature (b) Air Movement (c) Humidity	Negligible Negligible Negligible
Plant Resource Problem / Consideration	Effect
1. Suitability (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use	Negligible Negligible
2. Condition <u>Productivity (Kinds, Amounts, & Distribution)</u> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion	Slight + to Significant + Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Slight + to Moderate + Negligible
3. Management (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Negligible to Slight + Negligible Negligible
Animal Resource Problem / Consideration	Effect
1. Habitat <u>Domestic Animals</u> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <u>Wildlife</u> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water	Negligible Negligible Negligible Negligible Negligible Negligible
2. Management (a) Population / Resource Balance (b) Animal Health	Negligible Negligible

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Prescribed Burning (338)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Rill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety 2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides 3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Negligible to Significant - Not Applicable Negligible to Moderate - Negligible to Slight - Negligible to Slight - Not Applicable Negligible Negligible to Slight - Negligible to Significant - Negligible to Moderate - Not Applicable Not Applicable Not Applicable Not Applicable Significant + Slight - to Moderate - Slight - to Moderate - Slight - to Moderate - Slight - to Moderate -
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite (i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Negligible Negligible Negligible Negligible Not Applicable Slight + to Moderate + Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible to Significant + Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Moderate + to Slight -

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Air Resource Problem / Consideration	Effect
<p>1. Quality</p> <ul style="list-style-type: none"> (a) <u>Sediment and Smoke Particulates Causing Safety Problems</u>: Onsite (b) <u>Sediment and Smoke Particulates Causing Safety Problems</u>: Offsite (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u>: Onsite (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u>: Offsite (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u>: Onsite (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u>: Offsite (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift</u>: Onsite (i) <u>Airborne Chemical Drift</u>: Offsite (j) Airborne Odors <p>2. Condition</p> <ul style="list-style-type: none"> (a) Air Temperature (b) Air Movement (c) Humidity 	<p>Moderate - to Significant - Moderate - to Significant - Not Applicable Not Applicable Moderate - to Significant - Moderate - to Significant - Negligible Not Applicable Not Applicable Slight - Negligible Negligible Negligible</p>
Plant Resource Problem / Consideration	Effect
<p>1. Suitability</p> <ul style="list-style-type: none"> (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use <p>2. Condition</p> <p><u>Productivity (Kinds, Amounts, & Distribution)</u></p> <ul style="list-style-type: none"> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion <p>3. Management</p> <ul style="list-style-type: none"> (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi) 	<p>Not Applicable Slight + to Significant + Not Applicable Slight + to Significant + Slight + to Significant + Slight + to Significant + Not Applicable Slight + to Significant + Not Applicable Moderate + to Significant + Slight + Slight + to Significant + Negligible to Slight + Moderate + to Significant +</p>
Animal Resource Problem / Consideration	Effect
<p>1. Habitat</p> <p><u>Domestic Animals</u></p> <ul style="list-style-type: none"> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <p><u>Wildlife</u></p> <ul style="list-style-type: none"> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water <p>2. Management</p> <ul style="list-style-type: none"> (a) Population / Resource Balance (b) Animal Health 	<p>Slight + to Significant + Slight + to Significant + Negligible Slight + to Significant + Slight + to Significant + Negligible Slight + to Significant + Slight + to Significant +</p>

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Proper Grazing Use (528)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Fill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety 2. Condition (a) Soil Tillth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides 3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Slight + to Significant + Slight + to Significant + Negligible to Slight + Negligible to Slight + Negligible to Moderate + Not Applicable Negligible to Slight + Negligible Not Applicable Moderate + Slight + to Moderate + Negligible to Slight + Negligible to Significant + Not Applicable Slight + Slight + to Moderate + Slight + Slight + Slight +
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite (i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Negligible to Slight + Slight + to Moderate + Not Applicable Slight + Negligible to Slight - Moderate + to Moderate - Slight + Slight + Slight + Slight + Slight + Negligible to Slight + Negligible to Slight + Negligible to Slight + Negligible to Moderate + Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Negligible to Slight + Negligible Negligible to Slight + Negligible Negligible to Slight +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Proper Grazing Use (528), page 2

Air Resource Problem / Consideration	Effect
<p>1. Quality</p> <p>(a) <u>Sediment and Smoke Particulates Causing Safety Problems</u>: Onsite</p> <p>(b) <u>Sediment and Smoke Particulates Causing Safety Problems</u>: Offsite</p> <p>(c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u>: Onsite</p> <p>(d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u>: Offsite</p> <p>(e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u>: Onsite</p> <p>(f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u>: Offsite</p> <p>(g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u></p> <p>(h) <u>Airborne Chemical Drift</u>: Onsite</p> <p>(i) <u>Airborne Chemical Drift</u>: Offsite</p> <p>(j) Airborne Odors</p> <p>2. Condition</p> <p>(a) Air Temperature</p> <p>(b) Air Movement</p> <p>(c) Humidity</p>	<p>Slight +</p> <p>Slight +</p> <p>Slight + to Moderate +</p> <p>Slight +</p> <p>Slight +</p> <p>Slight +</p> <p>Slight +</p> <p>Negligible to Slight +</p> <p>Negligible to Slight +</p> <p>Not Applicable</p> <p>Slight +</p> <p>Negligible</p> <p>Negligible to Slight +</p>
Plant Resource Problem / Consideration	Effect
<p>1. Suitability</p> <p>(a) Plants are not well adapted to site</p> <p>(b) Plants are unsuitable for intended use</p> <p>2. Condition</p> <p><u>Productivity (Kinds, Amounts, & Distribution)</u></p> <p>(a) Cropland</p> <p>(b) Hayland and Pastureland</p> <p>(c) Rangeland</p> <p>(d) Seeded Rangeland</p> <p>(e) Annual Rangeland</p> <p>(f) Forestland</p> <p>(g) Other Land (Wildlife, Recreation, etc.)</p> <p>(h) Health and Vigor</p> <p>(i) Plant Damage by Wind Erosion</p> <p>3. Management</p> <p>(a) Establishment, Growth, and Harvest</p> <p>(b) Nutrient Management</p> <p>(c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)</p>	<p>Not Applicable</p> <p>Moderate +</p> <p>Not Applicable</p> <p>Moderate +</p> <p>Moderate +</p> <p>Moderate +</p> <p>Moderate +</p> <p>Not Applicable</p> <p>Moderate +</p> <p>Not Applicable</p> <p>Moderate + to Significant +</p> <p>Slight +</p> <p>Negligible to Slight +</p> <p>Not Applicable</p> <p>Slight + to Moderate +</p>
Animal Resource Problem / Consideration	Effect
<p>1. Habitat</p> <p><u>Domestic Animals</u></p> <p>(a) Food</p> <p>(b) Cover or Shelter</p> <p>(c) Quantity and Quality of Drinking Water</p> <p><u>Wildlife</u></p> <p>(d) Food</p> <p>(e) Cover or Shelter</p> <p>(f) Quantity and Quality of Drinking Water</p> <p>2. Management</p> <p>(a) Population / Resource Balance</p> <p>(b) Animal Health</p>	<p>Moderate + to Significant +</p>

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Pumping Plant for Water Control (533)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Rill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety 2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides 3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Negligible to Slight + Slight + Negligible Not Applicable Slight - to Moderate - Slight - Not Applicable Slight - Not Applicable Negligible Slight + to Moderate + Significant + Slight + to Significant + Slight + to Significant + Slight + to Significant + Negligible Negligible Negligible Negligible
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite (i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Negligible Slight + to Significant + Slight + to Significant + Not Applicable Slight + to Significant + Significant + Negligible Negligible Negligible to Slight - Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Negligible Negligible Moderate - to Significant - Moderate - to Significant - Negligible Negligible Moderate - to Significant - Negligible Slight + to Moderate + Negligible Negligible

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Air Resource Problem / Consideration	Effect
1. Quality (a) <u>Sediment and Smoke Particulates Causing Safety Problems</u> : Onsite (b) <u>Sediment and Smoke Particulates Causing Safety Problems</u> : Offsite (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u> : Onsite (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u> : Offsite (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u> : Onsite (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u> : Offsite (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift</u> : Onsite (i) <u>Airborne Chemical Drift</u> : Offsite (j) Airborne Odors 2. Condition (a) Air Temperature (b) Air Movement (c) Humidity	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Negligible to Slight - Not Applicable Not Applicable Not Applicable
Plant Resource Problem / Consideration	Effect
1. Suitability (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use 2. Condition <u>Productivity (Kinds, Amounts, & Distribution)</u> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion 3. Management (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Significant + to Significant - Not Applicable Significant + to Significant - Significant + to Significant - Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Significant + to Significant - Not Applicable Significant + to Significant - Not Applicable Negligible
Animal Resource Problem / Consideration	Effect
1. Habitat <u>Domestic Animals</u> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <u>Wildlife</u> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water 2. Management (a) Population / Resource Balance (b) Animal Health	Slight + to Significant + Slight + to Significant + Negligible to Significant + Negligible

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Range Seeding (550)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Rill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety 2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides 3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Slight + to Moderate + Slight + to Moderate + Moderate + to Significant + Slight + to Moderate + Slight + to Significant + Slight + to Significant + Moderate + to Significant + Moderate + to Significant + Negligible to Slight + Moderate + to Significant + Slight + to Moderate + Moderate + to Significant + Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Slight + to Moderate +
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite (i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Moderate + to Moderate - Slight + to Moderate + Slight + to Moderate + Slight + Not Applicable Slight + to Moderate + Slight + to Significant + Slight + to Significant + Slight + to Moderate + Moderate + to Slight - Moderate + to Slight - Moderate + to Slight - Negligible to Slight - Moderate + to Slight - Slight + to Moderate + Slight + to Significant + Slight + to Moderate + Slight + to Moderate + Negligible Negligible Negligible Slight + to Slight - Slight +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Air Resource Problem / Consideration	Effect
1. Quality (a) <u>Sediment and Smoke Particulates Causing Safety Problems</u> : Onsite (b) <u>Sediment and Smoke Particulates Causing Safety Problems</u> : Offsite (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u> : Onsite (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u> : Offsite (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u> : Onsite (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u> : Offsite (g) Airborne Sediment Particulates Causing Conveyance Problems (h) <u>Airborne Chemical Drift</u> : Onsite (i) <u>Airborne Chemical Drift</u> : Offsite (j) Airborne Odors 2. Condition (a) Air Temperature (b) Air Movement (c) Humidity	Slight + to Moderate + Slight + to Moderate + Negligible Slight + to Moderate + Negligible Slight + to Moderate +
Plant Resource Problem / Consideration	Effect
1. Suitability (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use 2. Condition <u>Productivity (Kinds, Amounts, & Distribution)</u> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion 3. Management (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Significant + Significant + Not Applicable Not Applicable Significant + Significant + Not Applicable Not Applicable Significant + Significant + Significant + Significant + Significant + Significant + Significant + Significant +
Animal Resource Problem / Consideration	Effect
1. Habitat <u>Domestic Animals</u> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <u>Wildlife</u> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water 2. Management (a) Population / Resource Balance (b) Animal Health	Moderate + to Significant + Slight + to Significant + Moderate + to Significant + Moderate + to Significant + Slight + to Significant + Moderate + to Significant + Moderate + to Significant + Significant + Slight + to Significant +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Recreation Area Imp. (562)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Rill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety 2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides 3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Slight + to Significant + Slight + to Significant + Slight + to Significant + Slight + to Significant + Slight + to Significant + Negligible Negligible Slight + to Significant + Slight + Negligible to Moderate + Negligible to Moderate + Slight + to Moderate + Negligible Slight + to Moderate + Negligible Negligible to Moderate + Negligible to Moderate + Negligible to Moderate + Negligible to Moderate +
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite (i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Negligible Negligible to Moderate + Negligible to Moderate + Negligible Negligible Negligible to Moderate + Negligible to Moderate + Negligible to Moderate + Slight + to Moderate + Negligible Slight + Slight + Not Applicable Not Applicable Negligible to Moderate + Negligible to Moderate + Negligible to Significant + Negligible to Slight + Negligible to Slight + Negligible Negligible to Significant + Negligible to Slight + Slight + to Significant +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Recreation Area Imp. (562), page 2

Air Resource Problem / Consideration	Effect
1. Quality (a) <u>Sediment and Smoke Particulates Causing Safety Problems: Onsite</u> (b) <u>Sediment and Smoke Particulates Causing Safety Problems: Offsite</u> (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite</u> (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite</u> (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite</u> (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite</u> (g) Airborne Sediment Particulates Causing Conveyance Problems (h) Airborne Chemical Drift: Onsite (i) Airborne Chemical Drift: Offsite (j) Airborne Odors 2. Condition (a) Air Temperature (b) Air Movement (c) Humidity	Negligible to Slight + Negligible to Significant + Negligible Negligible Negligible Negligible to Significant + Negligible to Significant + Negligible to Moderate -
Plant Resource Problem / Consideration	Effect
1. Suitability (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use 2. Condition <u>Productivity (Kinds, Amounts, & Distribution)</u> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion 3. Management (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Moderate + to Significant + Moderate + to Significant + Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Slight + to Significant + Slight + to Significant + Slight + to Significant + Slight + to Significant + Moderate + to Significant + Moderate + to Significant + Negligible to Slight +
Animal Resource Problem / Consideration	Effect
1. Habitat <u>Domestic Animals</u> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <u>Wildlife</u> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water 2. Management (a) Population / Resource Balance (b) Animal Health	Negligible to Moderate + Negligible to Moderate + Negligible Negligible

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Recr. Land Grading & Shaping (566)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Fill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety 2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides 3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Slight - to Slight + Negligible Moderate - to Moderate + Slight - to Slight + Negligible Negligible Slight - to Slight + Negligible Negligible Slight - to Slight + Slight - to Slight + Negligible Negligible Negligible Negligible Slight - to Slight + Slight - to Slight + Negligible Negligible
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite (i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Negligible Slight - to Slight + Negligible Slight - to Slight + Negligible Negligible Slight - to Slight + Slight - to Slight + Slight - to Slight + Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Slight - to Slight + Slight - to Slight + Negligible Negligible Negligible Negligible Negligible

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Recreation Trail and Walk (568)

Soil Resource Problem / Consideration	Effect
1. Erosion	
(a) Sheet and Fill	Slight + to Moderate +
(b) Wind	Slight + to Moderate +
(c) Concentrated Flow: Ephemeral Gully	Slight + to Moderate +
(d) Concentrated Flow: Classic Gully	Slight +
(e) Streambank	Slight + to Significant +
(f) Irrigation Induced	Not Applicable
(g) Soil Mass Movement	Negligible
(h) Roadbanks and Construction Sites	Slight + to Moderate +
(i) Safety	Slight + to Significant +
2. Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Slight + to Moderate +
(b) Soil Compaction	Slight + to Moderate +
<u>Soil Contaminants</u>	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Not Applicable
(d) Excess Animal Wastes & Other Organics	Not Applicable
(e) Excess Fertilizer	Not Applicable
(f) Excess Pesticides	Not Applicable
3. Deposition	
(a) Damage: Onsite	Negligible to Moderate +
(b) Damage: Offsite	Negligible to Moderate +
(c) Safety: Onsite	Negligible to Moderate +
(d) Safety: Offsite	Negligible to Moderate +
Water Resource Problem / Consideration	
1. Quantity	
(a) Excess Amounts: Seeps	Negligible
(b) Excess Amounts: Runoff / Flooding	Negligible to Slight +
(c) Excess Amounts: Subsurface Water	Negligible
(d) Inadequate Outlets	Slight + to Moderate +
(e) Water Management for Irrigated Land	Not Applicable
(f) Water Management for Non- Irrigated Land	Negligible to Slight +
(g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite	Negligible to Slight +
(h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite	Negligible to Slight +
(i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes	Slight + to Significant +
2. Quality	
<u>Groundwater Contaminants</u>	
(a) Pesticides	Negligible
(b) Nutrients and Organics	Negligible
(c) Salinity	Negligible
(d) Heavy Metals	Not Applicable
(e) Pathogens	Not Applicable
<u>Surface Water Contaminants (Streams and Lakes)</u>	
(g) Pesticides	Negligible
(h) Nutrients and Organics	Slight - to Moderate -
(i) Suspended Sediment and Turbidity	Slight + to Significant +
(j) Low Dissolved Oxygen	Slight + to Significant +
(k) Salinity	Negligible
(l) Heavy Metals	Negligible
(m) Temperature	Negligible
(n) Pathogens	Slight - to Moderate -
(o) Aquatic Habitat Suitability	Slight - to Moderate -

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Recreation Trail and Walk (568), page 2

Air Resource Problem / Consideration	Effect
<p>1. Quality</p> <ul style="list-style-type: none"> (a) <u>Sediment and Smoke Particulates Causing Safety Problems: Onsite</u> (b) <u>Sediment and Smoke Particulates Causing Safety Problems: Offsite</u> (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite</u> (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite</u> (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite</u> (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite</u> (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift: Onsite</u> (i) <u>Airborne Chemical Drift: Offsite</u> (j) Airborne Odors <p>2. Condition</p> <ul style="list-style-type: none"> (a) Air Temperature (b) Air Movement (c) Humidity 	<p>Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Slight - to Moderate - Negligible Negligible Negligible</p>
Plant Resource Problem / Consideration	Effect
<p>1. Suitability</p> <ul style="list-style-type: none"> (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use <p>2. Condition</p> <p><u>Productivity (Kinds, Amounts, & Distribution)</u></p> <ul style="list-style-type: none"> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion <p>3. Management</p> <ul style="list-style-type: none"> (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi) 	<p>Negligible to Slight + Negligible to Slight + Slight + to Significant + Slight + to Significant + Slight + to Significant + Slight + to Significant + Not Applicable Slight + to Significant + Slight + to Significant + Slight + to Significant + Slight + to Significant + Slight + to Moderate + Slight + to Significant + Negligible Negligible</p>
Animal Resource Problem / Consideration	Effect
<p>1. Habitat</p> <p><u>Domestic Animals</u></p> <ul style="list-style-type: none"> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <p><u>Wildlife</u></p> <ul style="list-style-type: none"> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water <p>2. Management</p> <ul style="list-style-type: none"> (a) Population / Resource Balance (b) Animal Health 	<p>Slight + Slight + Slight - to Moderate - Slight + Slight + Slight - to Moderate - Negligible Negligible</p>

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

