

**CONSERVATION PRACTICE PHYSICAL EFFECTS (CPPE)
RESOURCE: SOIL (SHEET, RILL, WIND, GULLY, AND MASS WASTING EROSION CONCERNS)**

PRACTICE INFORMATION (PRACTICE CODE PRACTICE NAME PRACTICE DESCRIPTION) SORTED BY PRACTICE NAME	SHEET AND RILL The movement of soil from water forces that requires treatment when the soil loss tolerance (T) level is exceeded.	WIND The movement of soil from wind forces that requires treatment when the soil loss tolerance (T) level is exceeded.	CONCENTRATED FLOW		STREAMBANK Sloughing of banks caused by overbank flow, unstable soils, obstructions, unstable Channel bottoms, or all of these.	IRRIGATION INDUCED Erosion that is caused by excessive amounts and/or velocity of water in row, furrow, and/or sprinkler activities or by water conveyances and tracks from center pivots and travelling guns.	SOIL MASS MOVEMENT Soil slippage, landslides, or slope failure, normally on hillsides, in deep cuts or through unstable soil, that creates a large volume of soil movement.	ROADBANK/ CONSTRUCTION Erosion from non-agricultural sources that causes sedimentation and other damage on and off site.
			EPHEMERAL GULLY	CLASSIC GULLY				
			Concentrated flow channels along depressional watercourses that begin where overland flow, including rills, converge. Usually obscured by tillage operations.	Channels that may enlarge from year to year by headcutting and lateral widening. They are too deep to be obscured by normal tillage operations.				
560 Access Road Designated area within a field for traffic movement and timely animal waste distribution. Helps reduce erosion may provide conveyance for runoff and helps improve water quality.	Insignificant.	Insignificant.	Slight reduction ephemeral gully erosion because of water interception.	Slight reduction classic gully erosion because of water interception.	Slight increase in streambank erosion because of reduction of overbank flow.	NA.	NA.	NA.
NY702 Agrichemical Mixing Facility This is a permanent structure designed to provide an area for the controlled mixing and containment of on-farm agrichemicals.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
NY701 Agricultural Fuel Storage Facility An above-ground, permanent structure designed to provide storage, or storage and secondary containment of on-farm fuel.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
311 Alley Cropping Planting of trees or shrubs in two or more sets of single or multiple rows with agronomic, horticultural, or forage crops cultivated in the alleys between the rows of woody plants.	Slight reduction sheet and rill erosion.	Slight reduction wind erosion.	Slight reduction ephemeral gully erosion.	NA.	NA.	NA.	NA.	NA.
575 Animal Trails and Walkways A constructed trail or walkway for livestock and/or wildlife to improve movement through difficult or ecologically sensitive terrain. It may also provide access to shelter, food and water and/or improve grazing distribution.	Moderate reduction in sheet and rill erosion.	NA.	Insignificant.	Insignificant.	Insignificant.	NA.	NA.	NA.
450 Anionic Polyacrylamide (PAM) Erosion Control Erosion control through application of water-soluble anionic polyacrylamide (PAM) to minimize or control irrigation-induced soil erosion and to reduce wind and/or precipitation erosion.	Moderate reduction in sheet and rill erosion.	Moderate reduction in wind erosion.	NA.	NA.	NA.	Significant reduction in irrigation induced erosion.	NA.	NA.
NY707 Barnyard Water Management System A planned system to reduce, collect, and treat runoff from a barnyard, including any concentrated livestock areas.	Significant reduction in sheet and rill erosion.	NA.	Significant reduction in ephemeral gully erosion.	Slight reduction classic gully erosion.	Situational	NA.	Situational	Situational
310 Bedding Grading or forming the soil surface into a series of broad parallel ridges and channels to improve surface drainage.	Insignificant.	Moderate reduction in wind erosion.	Slight reduction ephemeral gully erosion.	NA.	NA.	NA.	NA.	NA.
314 Brush Management Remove, reduce or manipulate brush species to achieve the desired plant community. This may be done using biological, chemical, or mechanical means.	Significant reduction in sheet and rill erosion.	Slight reduction wind erosion.	Slight reduction ephemeral gully erosion.	Slight reduction classic gully erosion.	Moderate reduction in streambank erosion.	NA.	Insignificant.	NA.
322 Channel Vegetation Establish and maintain adapted vegetation to stabilize channel banks, berms, spoils, and associated areas.	Significant reduction in sheet and rill erosion.	Significant reduction in wind erosion.	NA.	NA.	Significant reduction in streambank erosion.	NA.	NA.	NA.
326 Clearing and Snagging Remove snags, drifts and other obstructions to improve channel flow capacity.	NA.	NA.	NA.	Situational	Situational	NA.	NA.	NA.
360 Closure of Waste Impoundments The closure of waste impoundments (treatment lagoons and waste storage ponds) that are no longer used for their intended purpose in an environmentally safe manner.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.

CONSERVATION PRACTICE PHYSICAL EFFECTS (CPPE)
RESOURCE: SOIL (SHEET, RILL, WIND, GULLY, AND MASS WASTING EROSION CONCERNS)

PRACTICE INFORMATION (PRACTICE CODE PRACTICE NAME PRACTICE DESCRIPTION) SORTED BY PRACTICE NAME	SHEET AND RILL The movement of soil from water forces that requires treatment when the soil loss tolerance (T) level is exceeded.	WIND The movement of soil from wind forces that requires treatment when the soil loss tolerance (T) level is exceeded.	CONCENTRATED FLOW		STREAMBANK Sloughing of banks caused by overbank flow, unstable soils, obstructions, unstable Channel bottoms, or all of these.	IRRIGATION INDUCED Erosion that is caused by excessive amounts and/or velocity of water in row, furrow, and/or sprinkler activities or by water conveyances and tracks from center pivots and travelling guns.	SOIL MASS MOVEMENT Soil slippage, landslides, or slope failure, normally on hillsides, in deep cuts or through unstable soil, that creates a large volume of soil movement.	ROADBANK/ CONSTRUCTION Erosion from non-agricultural sources that causes sedimentation and other damage on and off site.
			EPHEMERAL GULLY Concentrated flow channels along depressional watercourses that begin where overland flow, including rills, converge. Usually obscured by tillage operations.	CLASSIC GULLY Channels that may enlarge from year to year by headcutting and lateral widening. They are too deep to be obscured by normal tillage operations.				
			397 Commercial Fishponds Construct a water impoundment for commercial aquaculture production.	NA.				
317 Composting Facility A constructed treatment facility for the biological stabilization of organic waste material.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
327 Conservation Cover Establishing perennial vegetative cover to reduce soil erosion and sedimentation, improve water quality, and create or enhance wildlife habitat on land on land temporarily or permanently removed from agricultural production.	Significant reduction in sheet and rill erosion.	Significant reduction in wind erosion.	Significant reduction in ephemeral gully erosion.	Significant reduction in classic gully erosion.	Moderate reduction in streambank erosion.	NA.	Insignificant.	NA.
328 Conservation Crop Rotation Grow crops in a planned rotation for biodiversity, providing adequate amounts of organic material for erosion reduction, nutrient balance, pest control, and sustained soil organic matter.	Moderate reduction in sheet and rill erosion.	Moderate reduction in wind erosion.	Slight reduction ephemeral gully erosion.	Insignificant.	Insignificant.	Slight reduction irrigation induced erosion.	Insignificant.	NA.
656 Constructed Wetland A constructed shallow water ecosystem designed to simulate natural wetland conditions for the primary purpose of water quality improvement from agricultural lands.	Situational	NA.	Situational	Situational	NA.	Situational	NA.	NA.
332 Contour Buffer Strips Narrow strips of permanent herbaceous vegetative cover established across the slope alternated with wider cultivated strips that are farmed on the contour.	Significant reduction in sheet and rill erosion.	Slight reduction wind erosion.	Moderate reduction in ephemeral gully erosion.	Insignificant.	Insignificant.	NA.	Insignificant.	NA.
330 Contour Farming Applicable on cropland, recreation land and wildlife areas where crops are grown. Effectiveness depends on row grade and ridge height, row patterns and field operations are aligned in a direction nearly perpendicular to the slope of the land.	Significant reduction in sheet and rill erosion.	NA.	Moderate reduction in ephemeral gully erosion.	Insignificant.	Insignificant.	NA.	Insignificant.	NA.
331 Contour Orchard and Other Fruit Area Planting Orchards, vineyards, or small fruit areas such that all cultural operations can be performed on the contour. This will to increase water infiltration, reduce concentrated water flow, and permit efficient equipment operation.	Significant reduction in sheet and rill erosion.	Situational	Significant reduction in ephemeral gully erosion.	Moderate reduction in classic gully erosion.	NA.	Significant reduction in irrigation induced erosion.	Slight increase in mass movement of soil.	NA.
585 Contour Stripcropping Growing alternate strips of close growing crops and row crops on the contour.	Significant reduction in sheet and rill erosion.	Moderate reduction in wind erosion.	Significant reduction in ephemeral gully erosion.	Moderate reduction in classic gully erosion.	Slight reduction in streambank erosion.	NA.	Insignificant.	NA.
340 Cover Crop Close-growing grasses, legumes, or small grain will be grown to reduce erosion when major crops do not furnish adequate cover. Improves organic matter infiltration and tilth. Adds organic material to the soil profile.	Significant reduction in sheet and rill erosion.	Significant reduction in wind erosion.	Significant reduction in ephemeral gully erosion.	Significant reduction in classic gully erosion.	NA.	Significant reduction in irrigation induced erosion.	Situational	NA.
342 Critical Area Planting Vegetation will be established on severely eroding areas or other areas requiring extra ordinary means to stabilize soil eroding areas, reduce runoff, deposition, wildlife habitat and improve visual resources.	Significant reduction in sheet and rill erosion.	Significant reduction in wind erosion.	Significant reduction in ephemeral gully erosion.	Significant reduction in classic gully erosion.	Significant reduction in streambank erosion.	NA.	Significant reduction in mass movement of soil.	Significant reduction in classic roadbank/construction erosion of soil..
589A Cross Wind Ridges Create ridges by tillage and planting that are aligned across the prevailing wind direction.	Insignificant.	Significant reduction in wind erosion.	Insignificant.	NA.	NA.	NA.	NA.	NA.

CONSERVATION PRACTICE PHYSICAL EFFECTS (CPPE)
RESOURCE: SOIL (SHEET, RILL, WIND, GULLY, AND MASS WASTING EROSION CONCERNS)

PRACTICE INFORMATION (PRACTICE CODE PRACTICE NAME PRACTICE DESCRIPTION) SORTED BY PRACTICE NAME	SHEET AND RILL The movement of soil from water forces that requires treatment when the soil loss tolerance (T) level is exceeded.	WIND The movement of soil from wind forces that requires treatment when the soil loss tolerance (T) level is exceeded.	CONCENTRATED FLOW		STREAMBANK Sloughing of banks caused by overbank flow, unstable soils, obstructions, unstable Channel bottoms, or all of these.	IRRIGATION INDUCED Erosion that is caused by excessive amounts and/or velocity of water in row, furrow, and/or sprinkler activities or by water conveyances and tracks from center pivots and travelling guns.	SOIL MASS MOVEMENT Soil slippage, landslides, or slope failure, normally on hillsides, in deep cuts or through unstable soil, that creates a large volume of soil movement.	ROADBANK/ CONSTRUCTION Erosion from non-agricultural sources that causes sedimentation and other damage on and off site.
			EPHEMERAL GULLY Concentrated flow channels along depressional watercourses that begin where overland flow, including rills, converge. Usually obscured by tillage operations.	CLASSIC GULLY Channels that may enlarge from year to year by headcutting and lateral widening. They are too deep to be obscured by normal tillage operations.				
589B Cross Wind Stripcropping Grow crops in strips across the prevailing wind direction so that strips susceptible to wind erosion are alternated with strips providing protective cover that are resistant to wind erosion.	Moderate reduction in sheet and rill erosion.	Significant reduction in wind erosion.	Slight reduction ephemeral gully erosion.	NA.	NA.	Insignificant.	Insignificant.	Insignificant.
589C Cross Wind Trap Strips Herbaceous cover resistant to wind erosion established in one or more strips across the prevailing wind direction to trap wind blown sediment.	NA.	Significant reduction in wind erosion.	Insignificant.	NA.	NA.	NA.	NA.	NA.
348 Dam, Diversion Install a structure to divert all or part of the water from a waterway or stream into another water system.	Insignificant.	NA.	Situational	Situational	NA.	NA.	NA.	NA.
402 Dam, Floodwater Retarding Install a dam for temporary floodwater storage and it's controlled release.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NN
349 Dam, Multiple-Purpose Construct a dam with the reservoir storage designed for two or more uses.	NA.	NA.	NA.	NA.	Significant reduction in streambank erosion.	NA.	NA.	NA.
324 Deep Tillage Performing tillage operations below the normal tillage depth to modify the physical or chemical properties of a soil.	Slight reduction sheet and rill erosion.	Insignificant.	Insignificant.	NA.	NA.	Slight reduction irrigation induced erosion.	NA.	NA.
356 Dike Construct an embankment to protect land in downstream areas from overflow and flooding or for water storage in wildlife habitat and other developments.	Insignificant.	Insignificant.	Moderate reduction in ephemeral gully erosion.	Moderate reduction in classic gully erosion.	Situational	NA.	NA.	NA.
NY362 Diversion An embankment or channel constructed across slope to divert water. May or may not be vegetated.	Slight reduction sheet and rill erosion.	Insignificant.	Significant reduction in ephemeral gully erosion.	Moderate reduction in classic gully erosion.	Slight reduction in streambank erosion.	Situational	Moderate reduction in mass movement of soil.	Moderate reduction in classic roadbank/construction erosion of soil..
554 Drainage Water Management Control of water surface elevations and discharge from surface or subsurface drainage systems.	Moderate reduction in sheet and rill erosion.	Moderate reduction in wind erosion.	Insignificant.	Situational	NA.	Significant reduction in irrigation induced erosion.	NA.	NA.
432 Dry Hydrant A non-pressurized permanent pipe assembly installed into water source that permits the withdrawal of water by suction.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
647 Early Successional Habitat Development/Management. Management of early plant succession to benefit desired wildlife or natural communities.	Insignificant.	Insignificant.	Insignificant.	Insignificant.	Insignificant.	Insignificant.	NA.	NA.
382 Fence Construct a fence for use as a barrier to wildlife, livestock, or people. This is often a facilitating practice for other management practices.	Moderate reduction in sheet and rill erosion.	Moderate reduction in wind erosion.	Moderate reduction in ephemeral gully erosion.	Moderate reduction in classic gully erosion.	Moderate reduction in streambank erosion.	NA.	Insignificant.	NA.

**CONSERVATION PRACTICE PHYSICAL EFFECTS (CPPE)
RESOURCE: SOIL (SHEET, RILL, WIND, GULLY, AND MASS WASTING EROSION CONCERNS)**

PRACTICE INFORMATION (PRACTICE CODE PRACTICE NAME PRACTICE DESCRIPTION) SORTED BY PRACTICE NAME	SHEET AND RILL The movement of soil from water forces that requires treatment when the soil loss tolerance (T) level is exceeded.	WIND The movement of soil from wind forces that requires treatment when the soil loss tolerance (T) level is exceeded.	CONCENTRATED FLOW		STREAMBANK Sloughing of banks caused by overbank flow, unstable soils, obstructions, unstable Channel bottoms, or all of these.	IRRIGATION INDUCED Erosion that is caused by excessive amounts and/or velocity of water in row, furrow, and/or sprinkler activities or by water conveyances and tracks from center pivots and travelling guns.	SOIL MASS MOVEMENT Soil slippage, landslides, or slope failure, normally on hillsides, in deep cuts or through unstable soil, that creates a large volume of soil movement.	ROADBANK/ CONSTRUCTION Erosion from non-agricultural sources that causes sedimentation and other damage on and off site.
			EPHEMERAL GULLY	CLASSIC GULLY				
			Concentrated flow channels along depressional watercourses that begin where overland flow, including rills, converge. Usually obscured by tillage operations.	Channels that may enlarge from year to year by headcutting and lateral widening. They are too deep to be obscured by normal tillage operations.				
NY386 Field Border Establish a strip of perennial vegetation at the field edge(s) to reduce erosion, protect field edges used for turn rows, and to promote wildlife food and cover.	Slight reduction sheet and rill erosion.	NA.	Slight reduction ephemeral gully erosion.	NA.	NA.	NA.	NA.	NA.
NY393a Filter Strip - Area An area of grass sod for removing sediment, organic matter, nutrients, and other pollutants from barnyard runoff and/or waste water.	Insignificant.	Insignificant.	Insignificant.	Insignificant.	Moderate reduction in streambank erosion.	Insignificant.	Insignificant.	Insignificant.
NY393s Filter Strip - Strip A strip or area of vegetation for removing sediment, organic matter, nutrients, and other pollutants from runoff and/or waste water.	Insignificant.	Insignificant.	Insignificant.	Insignificant.	Moderate reduction in streambank erosion.	Insignificant.	Insignificant.	Insignificant.
NY394 Firebreak Establish a strip of bare land or vegetation that resists fire for protection from wildfire and for control of prescribed burns.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
396 Fish Passage Modification or removal of barriers that restrict or prevent movement or migration of fish.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
398 Fish Raceway or Tank Construct a channel or tank with a continuous flow of water constructed or used for high-density fish production.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
399 Fishpond Management Improve or maintain fish production by creating a favorable habitat for desired species.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
400 Floodwater Diversion Construct a graded channel with a supporting embankment to reduce lowland flood damage.	Insignificant.	Insignificant.	Moderate reduction in ephemeral gully erosion.	Moderate reduction in classic gully erosion.	Situational	NA.	NA.	NA.
404 Floodway Construct a channel and dike(s) as necessary to provide flood protection and to carry flood flows.	Insignificant.	Insignificant.	Moderate reduction in ephemeral gully erosion.	Moderate reduction in classic gully erosion.	Situational	NA.	NA.	NA.
511 Forage Harvest Management The timely cutting and removal of forages from the field as hay, greenchop, or ensilage.	Significant reduction in sheet and rill erosion.	Significant reduction in wind erosion.	Significant reduction in ephemeral gully erosion.	Significant reduction in classic gully erosion.	Slight reduction in streambank erosion.	Significant reduction in irrigation induced erosion.	Insignificant.	NA.
490 Forest Site Preparation Prepare land for establishing woody species by controlling weeds, removing slash and debris, or otherwise altering the site conditions to favor tree establishment by natural or artificial methods.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
666 Forest Stand Improvement The manipulation of species composition, stand structure, and stocking by removing selected trees and understory vegetation.	Slight reduction sheet and rill erosion.	Slight reduction wind erosion.	Slight reduction ephemeral gully erosion.	Slight reduction classic gully erosion.	Situational	NA.	NA.	Slight reduction classic roadbank/construction erosion of soil..
655 Forest Trails and Landings Laying out, constructing, and using forest trails and landings.	Significant reduction in sheet and rill erosion.	NA.	Significant reduction in ephemeral gully erosion.	NA.	Moderate reduction in streambank erosion.	NA.	Insignificant.	Significant reduction in classic roadbank/construction erosion of soil..

CONSERVATION PRACTICE PHYSICAL EFFECTS (CPPE)
RESOURCE: SOIL (SHEET, RILL, WIND, GULLY, AND MASS WASTING EROSION CONCERNS)

PRACTICE INFORMATION (PRACTICE CODE PRACTICE NAME PRACTICE DESCRIPTION) SORTED BY PRACTICE NAME	SHEET AND RILL The movement of soil from water forces that requires treatment when the soil loss tolerance (T) level is exceeded.	WIND The movement of soil from wind forces that requires treatment when the soil loss tolerance (T) level is exceeded.	CONCENTRATED FLOW		STREAMBANK Sloughing of banks caused by overbank flow, unstable soils, obstructions, unstable Channel bottoms, or all of these.	IRRIGATION INDUCED Erosion that is caused by excessive amounts and/or velocity of water in row, furrow, and/or sprinkler activities or by water conveyances and tracks from center pivots and travelling guns.	SOIL MASS MOVEMENT Soil slippage, landslides, or slope failure, normally on hillsides, in deep cuts or through unstable soil, that creates a large volume of soil movement.	ROADBANK/ CONSTRUCTION Erosion from non-agricultural sources that causes sedimentation and other damage on and off site.
			EPHEMERAL GULLY Concentrated flow channels along depressional watercourses that begin where overland flow, including rills, converge. Usually obscured by tillage operations.	CLASSIC GULLY Channels that may enlarge from year to year by headcutting and lateral widening. They are too deep to be obscured by normal tillage operations.				
			410 Grade Stabilization Structure A rated open type full flow structure used to control the grade and head cutting in natural and artificial channels.	Insignificant.				
NY412 Grassed Waterway Shape a natural or constructed channel and establish adapted permanent vegetation (with or without a stone center) to channel conveying water at nonerosive velocities to an adequate outlet. Can be a terrace outlet.	Insignificant.	Insignificant.	Significant reduction in ephemeral gully erosion.	Slight reduction classic gully erosion.	Insignificant.	Insignificant.	NA.	NA.
548 Grazing Land Mechanical Treatment Modifying the physical soil and/or plant conditions with mechanical tools by treatments such as: pitting, contour furrowing, ripping or subsoiling.	Slight increase in sheet and rill erosion.	Slight increase in wind erosion.	Insignificant.	Insignificant.	NA.	NA.	NA.	NA.
561 Heavy Use Area Protection Establishing vegetative cover and needed erosion control. Impervious material not rated.	Significant reduction in sheet and rill erosion.	Significant reduction in wind erosion.	Significant reduction in ephemeral gully erosion.	Insignificant.	Insignificant.	NA.	NA.	Significant reduction in classic roadbank/construction erosion of soil.
NY422 Hedgerow Planting The establishment of dense vegetation in a linear design to achieve a natural resource conservation purpose.	Insignificant.	Slight reduction wind erosion.	Insignificant.	Insignificant.	Insignificant.	NA.	Insignificant.	NA.
422A Herbaceous Wind Barriers Establish a row or strips of herbaceous vegetation across the prevailing wind direction to reduce wind erosion, protect growing crops, and improve moisture management.	Insignificant.	Moderate reduction in wind erosion.	Insignificant.	NN	NA.	NA.	NA.	NA.
423 Hillside Ditch Construct a channel and supporting ridge across the slope at defined vertice intervals and gradient with or without vegetative cover to reduce erosion and runoff.	Significant reduction in sheet and rill erosion.	NA.	Significant reduction in ephemeral gully erosion.	Insignificant.	Insignificant.	NA.	Situational	Insignificant.
320 Irrigation Canal or Lateral Construct a permanent canal or lateral to convey irrigation water from the source of supply to the farm(s).	NA.	NA.	NA.	NA.	NA.	Situational	NA.	NA.
388 Irrigation Field Ditch Construct a permanent irrigation ditch to convey water from the source of supply to a field(s) in a farm irrigation delivery system.	Insignificant.	Insignificant.	Slight reduction ephemeral gully erosion.	Slight reduction classic gully erosion.	Insignificant.	Moderate reduction in irrigation induced erosion.	Slight reduction mass movement of soil.	Insignificant.
464 Irrigation Land Leveling Grading the land for uniform and efficient application of irrigation water to improve water application efficiency, reduce erosion, and provide adequate surface drainage.	Moderate reduction in sheet and rill erosion.	Insignificant.	Moderate reduction in ephemeral gully erosion.	Slight reduction classic gully erosion.	NA.	Significant reduction in irrigation induced erosion.	NA.	NA.
552A Irrigation Pit or Regulating Reservoir, Irrigation Pit Construct a storage reservoir to collect and store irrigation water until it can be efficiently used.	Insignificant.	NA.	NA.	NA.	NA.	Insignificant.	NA.	NA.
552B Irrigation Pit or Regulating Reservoir, Regulating Reservoir Construct a storage reservoir to regulate fluctuating stream or channel flows, store water for irrigation, and reduce pump cycling.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.

CONSERVATION PRACTICE PHYSICAL EFFECTS (CPPE)
RESOURCE: SOIL (SHEET, RILL, WIND, GULLY, AND MASS WASTING EROSION CONCERNS)

PRACTICE INFORMATION (PRACTICE CODE PRACTICE NAME PRACTICE DESCRIPTION) SORTED BY PRACTICE NAME	SHEET AND RILL The movement of soil from water forces that requires treatment when the soil loss tolerance (T) level is exceeded.	WIND The movement of soil from wind forces that requires treatment when the soil loss tolerance (T) level is exceeded.	CONCENTRATED FLOW		STREAMBANK Sloughing of banks caused by overbank flow, unstable soils, obstructions, unstable Channel bottoms, or all of these.	IRRIGATION INDUCED Erosion that is caused by excessive amounts and/or velocity of water in row, furrow, and/or sprinkler activities or by water conveyances and tracks from center pivots and travelling guns.	SOIL MASS MOVEMENT Soil slippage, landslides, or slope failure, normally on hillsides, in deep cuts or through unstable soil, that creates a large volume of soil movement.	ROADBANK/ CONSTRUCTION Erosion from non-agricultural sources that causes sedimentation and other damage on and off site.
			EPHEMERAL GULLY	CLASSIC GULLY				
			Concentrated flow channels along depressional watercourses that begin where overland flow, including rills, converge. Usually obscured by tillage operations.	Channels that may enlarge from year to year by headcutting and lateral widening. They are too deep to be obscured by normal tillage operations.				
436 Irrigation Storage Reservoir A dam will be constructed to create an irrigation water storage.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
441 Irrigation System, Microirrigation Apply water directly to the root zone by means of low pressure trickle irrigation devices.	Moderate reduction in sheet and rill erosion.	Moderate reduction in wind erosion.	Moderate reduction in ephemeral gully erosion.	NA.	NA.	Moderate reduction in irrigation induced erosion.	NA.	NA.
442 Irrigation System, Sprinkler Water is distributed by means of sprinklers or spray nozzle to efficiently and uniformly apply irrigation water to maintain adequate soil moisture for optimum plant growth without causing excessive water loss, erosion, or reduced water quality.	Moderate reduction in sheet and rill erosion.	Moderate reduction in wind erosion.	Moderate reduction in ephemeral gully erosion.	NA.	NA.	Moderate reduction in irrigation induced erosion.	NA.	NA.
443 Irrigation System, Surface and Subsurface To effectively convey, distribute and apply irrigation water to the point of application. This includes delivery from source to the field, conveyance and dist. system on field (head ditch); furrows, corrugations, and tailwater recovery.	Moderate reduction in sheet and rill erosion.	Moderate reduction in wind erosion.	Moderate reduction in ephemeral gully erosion.	NA.	NA.	Moderate reduction in irrigation induced erosion.	NA.	NA.
447 Irrigation System, Tailwater Recovery Install a facility to collect, store and transport tailwater for reuse in the farm irrigation distribution system.	NA.	NA.	Insignificant.	Insignificant.	Insignificant.	Insignificant.	Insignificant.	Insignificant.
428B Irrigation Water Conveyance, Ditch and Canal Lining, Flexible Membrane A fixed lining of impervious material installed in an existing or newly constructed irrigation field ditch or irrigation canal or lateral to prevent soil water logging and reduce water loss from seepage.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
428C Irrigation Water Conveyance, Ditch and Canal Lining, Galvanized Steel A fixed lining of impervious material installed in an existing or newly constructed irrigation field ditch or irrigation canal or lateral to prevent soil water logging and reduce water loss from seepage.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
428A Irrigation Water Conveyance, Ditch and Canal Lining, Nonreinforced Concrete A fixed lining of impervious material installed in an existing or newly constructed irrigation field ditch or irrigation canal or lateral to prevent soil water logging and reduce water loss from seepage.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
430AA Irrigation Water Conveyance, Pipeline, Aluminum Tubing Install a pipeline and appurtenances to reduce erosion and seepage. This will prevent erosion from concentrated flow and piping; loss of land; loss of water; loss of water quality; convey and distribute water; prevent water logging.	Moderate reduction in sheet and rill erosion.	Insignificant.	Moderate reduction in ephemeral gully erosion.	Insignificant.	NA.	Significant reduction in irrigation induced erosion.	NA.	NA.
430BB Irrigation Water Conveyance, Pipeline, Asbestos-Cement Install a pipeline and appurtenances to reduce erosion and seepage. This will prevent erosion from concentrated flow and piping; loss of land; loss of water; loss of water quality; convey and distribute water; prevent water logging.	Moderate reduction in sheet and rill erosion.	Insignificant.	Moderate reduction in ephemeral gully erosion.	Insignificant.	NA.	Significant reduction in irrigation induced erosion.	NA.	NA.
430DD Irrigation Water Conveyance, Pipeline, High-pressure, Underground, Plastic Install an underground pipeline and appurtenances to reduce erosion and seepage. This will prevent erosion from concentrated flow and piping; loss of land; loss of water; loss of water quality; convey and distribute water; prevent water logging.	Moderate reduction in sheet and rill erosion.	Insignificant.	Moderate reduction in ephemeral gully erosion.	Insignificant.	NA.	Significant reduction in irrigation induced erosion.	NA.	NA.

**CONSERVATION PRACTICE PHYSICAL EFFECTS (CPPE)
RESOURCE: SOIL (SHEET, RILL, WIND, GULLY, AND MASS WASTING EROSION CONCERNS)**

PRACTICE INFORMATION (PRACTICE CODE PRACTICE NAME PRACTICE DESCRIPTION) SORTED BY PRACTICE NAME	SHEET AND RILL The movement of soil from water forces that requires treatment when the soil loss tolerance (T) level is exceeded.	WIND The movement of soil from wind forces that requires treatment when the soil loss tolerance (T) level is exceeded.	CONCENTRATED FLOW		STREAMBANK Sloughing of banks caused by overbank flow, unstable soils, obstructions, unstable Channel bottoms, or all of these.	IRRIGATION INDUCED Erosion that is caused by excessive amounts and/or velocity of water in row, furrow, and/or sprinkler activities or by water conveyances and tracks from center pivots and travelling guns.	SOIL MASS MOVEMENT Soil slippage, landslides, or slope failure, normally on hillsides, in deep cuts or through unstable soil, that creates a large volume of soil movement.	ROADBANK/ CONSTRUCTION Erosion from non-agricultural sources that causes sedimentation and other damage on and off site.
			EPHEMERAL GULLY Concentrated flow channels along depressional watercourses that begin where overland flow, including rills, converge. Usually obscured by tillage operations.	CLASSIC GULLY Channels that may enlarge from year to year by headcutting and lateral widening. They are too deep to be obscured by normal tillage operations.				
430EE Irrigation Water Conveyance, Pipeline, Low-pressure, Underground, Plastic Install an underground pipeline and appurtenances to reduce erosion and seepage. This will prevent erosion from concentrated flow and piping; loss of land; loss of water; loss of water quality; convey and distribute water; prevent water logging.	Moderate reduction in sheet and rill erosion.	Insignificant.	Moderate reduction in ephemeral gully erosion.	Insignificant.	NA.	Significant reduction in irrigation induced erosion.	NA.	NA.
430CC Irrigation Water Conveyance, Pipeline, Nonreinforced Concrete Install a pipeline and appurtenances to reduce erosion and seepage. This will prevent erosion from concentrated flow and piping; loss of land; loss of water; loss of water quality; convey and distribute water; prevent water logging.	Moderate reduction in sheet and rill erosion.	Insignificant.	Moderate reduction in ephemeral gully erosion.	Insignificant.	NA.	Significant reduction in irrigation induced erosion.	NA.	NA.
430GG Irrigation Water Conveyance, Pipeline, Reinforced Plastic Mortar Install a pipeline and appurtenances to reduce erosion and seepage. This will prevent erosion from concentrated flow and piping; loss of land; loss of water; loss of water quality; convey and distribute water; prevent water logging.	Moderate reduction in sheet and rill erosion.	Insignificant.	Moderate reduction in ephemeral gully erosion.	Insignificant.	NA.	Significant reduction in irrigation induced erosion.	NA.	NA.
430HH Irrigation Water Conveyance, Pipeline, Rigid Gated Pipeline Install gated pipeline as a part of a surface irrigation system to efficiently convey and distribute water without waste or erosion and to reduce seepage.	Moderate reduction in sheet and rill erosion.	Insignificant.	Moderate reduction in ephemeral gully erosion.	Insignificant.	NA.	Significant reduction in irrigation induced erosion.	NA.	NA.
430FF Irrigation Water Conveyance, Pipeline, Steel Install a pipeline and appurtenances to reduce erosion and seepage. This will prevent erosion from concentrated flow and piping; loss of land; loss of water; loss of water quality; convey and distribute water; prevent water logging.	Moderate reduction in sheet and rill erosion.	Insignificant.	Moderate reduction in ephemeral gully erosion.	Insignificant.	NA.	Significant reduction in irrigation induced erosion.	NA.	NA.
449 Irrigation Water Management To effectively use available irrigation water: a) in managing soil moisture use and loss; b) to minimize erosion; and c) to protect water quality.	Moderate reduction in sheet and rill erosion.	Insignificant.	Moderate reduction in ephemeral gully erosion.	Moderate reduction in classic gully erosion.	Moderate reduction in streambank erosion.	Significant reduction in irrigation induced erosion.	Insignificant.	Significant reduction in classic roadbank/construction erosion of soil..
460 Land Clearing Remove of trees, stumps and other vegetation from wooded areas.	Situational	Situational	Situational	NA.	NA.	NA.	Situational	NA.
451 Land Reclamation, Fire Control Control or extinguish fire in coal refuse.	Slight reduction sheet and rill erosion.	NA.	NA.	NA.	NA.	NA.	Facilitating.	NA.
456 Land Reclamation, Highwall Treatment Reduce highwall heights and/or slopes to designed levels and grades which can be stabilized to prevent off-site erosion and water quality degradation.	Significant reduction in sheet and rill erosion.	Significant reduction in wind erosion.	Significant reduction in ephemeral gully erosion.	Situational	Significant reduction in streambank erosion.	NA.	Significant reduction in mass movement of soil.	Situational
453 Land Reclamation, Landslide Treatment Mine spoil and overburden will be treated to prevent or stabilize landslides and/or reduce downslope movement.	Slight reduction sheet and rill erosion.	Slight reduction wind erosion.	NA.	NA.	NA.	NA.	Significant reduction in mass movement of soil.	Significant reduction in classic roadbank/construction erosion of soil..
455 Land Reclamation, Toxic Discharge Control Control acid and toxic water discharges from abandoned mines or mine waste.	Moderate reduction in sheet and rill erosion.	Moderate reduction in wind erosion.	Moderate reduction in ephemeral gully erosion.	Moderate reduction in classic gully erosion.	Moderate reduction in streambank erosion.	NA.	Situational	Moderate reduction in classic roadbank/construction erosion of soil..
543 Land Reconstruction, Abandoned Mined Land Restore land areas adversely affected by past mining activities and increasing the productivity of the areas.	Significant reduction in sheet and rill erosion.	Significant reduction in wind erosion.	Significant reduction in ephemeral gully erosion.	Situational	Situational	Situational	Significant reduction in mass movement of soil.	Significant reduction in classic roadbank/construction erosion of soil..

**CONSERVATION PRACTICE PHYSICAL EFFECTS (CPPE)
RESOURCE: SOIL (SHEET, RILL, WIND, GULLY, AND MASS WASTING EROSION CONCERNS)**

PRACTICE INFORMATION (PRACTICE CODE PRACTICE NAME PRACTICE DESCRIPTION) SORTED BY PRACTICE NAME	SHEET AND RILL The movement of soil from water forces that requires treatment when the soil loss tolerance (T) level is exceeded.	WIND The movement of soil from wind forces that requires treatment when the soil loss tolerance (T) level is exceeded.	CONCENTRATED FLOW		STREAMBANK Sloughing of banks caused by overbank flow, unstable soils, obstructions, unstable Channel bottoms, or all of these.	IRRIGATION INDUCED Erosion that is caused by excessive amounts and/or velocity of water in row, furrow, and/or sprinkler activities or by water conveyances and tracks from center pivots and travelling guns.	SOIL MASS MOVEMENT Soil slippage, landslides, or slope failure, normally on hillsides, in deep cuts or through unstable soil, that creates a large volume of soil movement.	ROADBANK/ CONSTRUCTION Erosion from non-agricultural sources that causes sedimentation and other damage on and off site.
			EPHEMERAL GULLY	CLASSIC GULLY				
			Moderate to significant decrease because of increased vegetative cover and stabilization.	Moderate to significant decrease because of increased vegetative cover, water management, and stabilization.				
544 Land Reconstruction, Currently Mined Land Restoration of land to an acceptable form suitable for the planned use.	Moderate to significant decrease because of increased vegetative cover and stabilization.	Slight to moderate decrease because of increased vegetative cover and stabilization.	Moderate to significant decrease because of increased vegetative cover, water management, and stabilization.	Moderate to significant decrease because of increased vegetative cover, water management, and stabilization.	Moderate to significant decrease because of increased vegetative cover, water management, and stabilization.	Situational	Moderate to significant decrease because of increased vegetative cover, water management, and stabilization.	Moderate to significant decrease because of increased vegetative cover, water management, and stabilization.
466 Land Smoothing Remove irregularities on the land surface. Rough grading to improve surface drainage, conserve moisture, improve farmability and/or improve terrace alignment.	Moderate reduction in sheet and rill erosion.	Moderate reduction in wind erosion.	Moderate reduction in ephemeral gully erosion.	NA.	NA.	NA.	NA.	NA.
468 Lined Waterway or Outlet A constructed waterway or outlet which is lined to the designed flow depth with erosion resistant materials such as concrete or stone to provide safe disposal of runoff water.	Significant reduction in sheet and rill erosion.	Significant reduction in wind erosion.	Moderate reduction in ephemeral gully erosion.	NA.	NA.	NA.	Significant reduction in mass movement of soil.	NA.
NY749 Manure Pile Area A manure pile area is a predetermined location which can be used to temporarily store manure.	NA.	NA.	NA.	NN	NA.	NA.	NA.	NA.
NY634 Manure Transfer A conveyance system for manure using structure, conduits, or equipment.	Facilitating.	Facilitating.	NA.	NA.	NA.	NA.	NA.	NA.
NY719 Milkhouse Wastewater Infiltration Area A structure which will remove pollutants from milking center wastewater through a variety of processes.	Situational	NA.	Situational	NA.	Situational	NA.	Situational	NA.
457 Mine Shaft and Adit Closing Access to vertical and horizontal mine openings will be closed for safety, health, water quality, to protect any cultural resources present, and to facilitate surface reclamation.	Insignificant.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
482 Mole Drain Establish a system of subsurface drainage channels by pulling bullet-shaped cylinders through the soil at specified depths and spacing.	NA.	NA.	NA.	NA.	NA.	Slight reduction irrigation induced erosion.	NA.	NA.
484 Mulching Applying plant residues or other suitable material not produced on the site to the soil surface to conserve moisture, prevent compaction, reduce runoff, control weeds and help establish a living cover of plants. This does not include impervious materials.	Significant reduction in sheet and rill erosion.	Significant reduction in wind erosion.	Significant reduction in ephemeral gully erosion.	NA.	Moderate reduction in streambank erosion.	Moderate reduction in irrigation induced erosion.	Insignificant.	Significant reduction in classic roadbank/construction erosion of soil..
NY590 Nutrient Management Manage the amount, source, placement and timing of the application of nutrients and soil amendments.	Situational	Situational	Situational	NA.	NA.	NA.	NA.	NA.
500 Obstruction Removal Safely remove and dispose of unwanted obstructions and other materials to facilitate application of conservation practices or planned land use.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
582 Open Channel Construct or improve a channel to provide the required discharge capacity for flood prevention, drainage, or other authorized water management activities.	NA.	NA.	NA.	NA.	NA.	NA.	Insignificant.	NA.

**CONSERVATION PRACTICE PHYSICAL EFFECTS (CPPE)
RESOURCE: SOIL (SHEET, RILL, WIND, GULLY, AND MASS WASTING EROSION CONCERNS)**

PRACTICE INFORMATION (PRACTICE CODE PRACTICE NAME PRACTICE DESCRIPTION) SORTED BY PRACTICE NAME	SHEET AND RILL The movement of soil from water forces that requires treatment when the soil loss tolerance (T) level is exceeded.	WIND The movement of soil from wind forces that requires treatment when the soil loss tolerance (T) level is exceeded.	CONCENTRATED FLOW		STREAMBANK Sloughing of banks caused by overbank flow, unstable soils, obstructions, unstable Channel bottoms, or all of these.	IRRIGATION INDUCED Erosion that is caused by excessive amounts and/or velocity of water in row, furrow, and/or sprinkler activities or by water conveyances and tracks from center pivots and travelling guns.	SOIL MASS MOVEMENT Soil slippage, landslides, or slope failure, normally on hillsides, in deep cuts or through unstable soil, that creates a large volume of soil movement.	ROADBANK/ CONSTRUCTION Erosion from non-agricultural sources that causes sedimentation and other damage on and off site.
			EPHEMERAL GULLY Concentrated flow channels along depressional watercourses that begin where overland flow, including rills, converge. Usually obscured by tillage operations.	CLASSIC GULLY Channels that may enlarge from year to year by headcutting and lateral widening. They are too deep to be obscured by normal tillage operations.				
			512 Pasture and Hayland Planting Establish forage species for grazing or mechanical harvest.	Significant reduction in sheet and rill erosion.				
NY783 Pathogen Management The use of preventative measures to provide a multiple-barrier approach to prevent or reduce the introduction, replication, and survival of pathogens in domestic livestock, and any subsequent transport of pathogens to surface and groundwater resources.	Facilitating.	NA.	NA.	NA.	NA.	Facilitating.	NA.	NA.
595 Pest Management Manage infestations of weeds, insects and disease to reduce adverse effects on plant growth, crop production and material resources. This may be accomplished using biological, chemical, and/or mechanical means.	Situational	Situational	Situational	NA.	NA.	NA.	NA.	NA.
516 Pipeline Install a pipeline to convey water from supply source to points of use. This standard applies to pipes with an inside diameter of less than 8 inches.	Moderate reduction in sheet and rill erosion.	Moderate reduction in wind erosion.	Moderate reduction in ephemeral gully erosion.	Insignificant.	Situational	NA.	NA.	NA.
378 Pond Construct a water impoundment to provide water for: livestock, fish, wildlife, recreation, fire control, spraying, and water quality.	Insignificant.	NA.	Slight reduction ephemeral gully erosion.	Slight reduction classic gully erosion.	Slight reduction in streambank erosion.	NA.	NA.	NA.
521E Pond Sealing or Lining, Asphalt-Sealed Fabric Liner Install a fixed lining of asphalt-sealed fabric to reduce seepage to an acceptable level.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
521C Pond Sealing or Lining, Bentonite Sealant Apply a lining of bentonite clay or similar material to reduce seepage losses in pond to an acceptable level.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
521D Pond Sealing or Lining, Cationic Emulsion-Waterborne Sealant Seal pond with a cationic emulsion sealant material to reduce seepage to an acceptable level.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
521A Pond Sealing or Lining, Flexible Membrane Install a fixed lining of flexible impervious material such as plastic, rubber or similar material to reduce seepage to an acceptable level.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
521B Pond Sealing or Lining, Soil Dispersant Apply sealing chemicals to reduce seepage to an acceptable level.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
NY774 Pothole An excavated depression or series of depressions in the landscape, characterized by a shallow water habitat.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
462 Precision Land Forming Reshape surface of the land to planned grades.	Moderate reduction in sheet and rill erosion.	Insignificant.	Insignificant.	Insignificant.	NA.	Significant reduction in irrigation induced erosion.	NA.	NA.

**CONSERVATION PRACTICE PHYSICAL EFFECTS (CPPE)
RESOURCE: SOIL (SHEET, RILL, WIND, GULLY, AND MASS WASTING EROSION CONCERNS)**

PRACTICE INFORMATION (PRACTICE CODE PRACTICE NAME PRACTICE DESCRIPTION) SORTED BY PRACTICE NAME	SHEET AND RILL The movement of soil from water forces that requires treatment when the soil loss tolerance (T) level is exceeded.	WIND The movement of soil from wind forces that requires treatment when the soil loss tolerance (T) level is exceeded.	CONCENTRATED FLOW		STREAMBANK Sloughing of banks caused by overbank flow, unstable soils, obstructions, unstable Channel bottoms, or all of these.	IRRIGATION INDUCED Erosion that is caused by excessive amounts and/or velocity of water in row, furrow, and/or sprinkler activities or by water conveyances and tracks from center pivots and travelling guns.	SOIL MASS MOVEMENT Soil slippage, landslides, or slope failure, normally on hillsides, in deep cuts or through unstable soil, that creates a large volume of soil movement.	ROADBANK/ CONSTRUCTION Erosion from non-agricultural sources that causes sedimentation and other damage on and off site.
			EPHEMERAL GULLY Concentrated flow channels along depressional watercourses that begin where overland flow, including rills, converge. Usually obscured by tillage operations.	CLASSIC GULLY Channels that may enlarge from year to year by headcutting and lateral widening. They are too deep to be obscured by normal tillage operations.				
			338 Prescribed Burning The consumption by controlled fire of targeted fuels, to reduce competition and disease, to improve wildlife habitat, to improve the accessibility for harvest, and to prepare the site for vegetation reestablishment.	Significant reduction in sheet and rill erosion.				
528A Prescribed Grazing Grazing will be managed according to a schedule that meets the needs of the soil, water, air, plant and animal resources and the objectives of the resource manager.	Significant reduction in sheet and rill erosion.	Significant reduction in wind erosion.	Moderate reduction in ephemeral gully erosion.	Slight reduction classic gully erosion.	Slight reduction in streambank erosion.	NA.	Slight reduction mass movement of soil.	NA.
532 Pumped Well Drain Install a well into an aquifer to lower the water table to lower the prevailing ground water levels.	Insignificant.	Insignificant.	Insignificant.	Insignificant.	NA.	NA.	NA.	NA.
533 Pumping Plant for Water Control Install a pumping facility to transfer water for one or more conservation needs.	NA.	NA.	NA.	NA.	Situational	NA.	NA.	NA.
550 Range Planting Establish adapted perennial vegetation to restore a plant community similar to historic climax or establish the desired plant community based on land manager's objectives.	Significant reduction in sheet and rill erosion.	Significant reduction in wind erosion.	Significant reduction in ephemeral gully erosion.	Significant reduction in classic gully erosion.	Moderate reduction in streambank erosion.	NA.	Moderate reduction in mass movement of soil.	NA.
NY748 Record Keeping The documentation of activities and data that affects the conservation of natural resources, and the environmental aspects of the operation.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
562 Recreation Area Improvement Improve recreation use potential by establishing desirable vegetation, selectively removing undesirable vegetation and trimming woody plants.	Moderate reduction in sheet and rill erosion.	Moderate reduction in wind erosion.	Moderate reduction in ephemeral gully erosion.	Moderate reduction in classic gully erosion.	Moderate reduction in streambank erosion.	Insignificant.	Insignificant.	Moderate reduction in classic roadbank/construction erosion of soil..
566 Recreation Land Grading and Shaping Management of natural resources with vegetation to improve the functioning and aesthetics of a recreation area.	Situational	Situational	Insignificant.	Insignificant.	Insignificant.	Situational	NA.	NA.
568 Recreation Trail and Walkway Develop a pathway for pedestrian, equestrian, and/or cycle travel to provide recreation travel routes in non-urban areas.	Situational	NA.	Situational	NA.	Situational	NA.	NA.	NA.
329B Residue Management, Mulch Till Manage amount, orientation and distribution of organic residue so maximum amounts are left on the soil surface by using mulch tillage techniques and implements such as chisels, sweeps and harrows.	Significant reduction in sheet and rill erosion.	Significant reduction in wind erosion.	Moderate reduction in ephemeral gully erosion.	Insignificant.	Insignificant.	Significant reduction in irrigation induced erosion.	Slight increase in mass movement of soil.	NA.
329A Residue Management, No-Till and Strip Till Manage organic residue so maximum amounts are left on the soil surface on a year-round basis. Plant crops in narrow slots or narrow tilled strips in previously untilled soil.	Significant reduction in sheet and rill erosion.	Significant reduction in wind erosion.	Slight reduction ephemeral gully erosion.	Slight reduction classic gully erosion.	Insignificant.	Significant reduction in irrigation induced erosion.	Slight increase in mass movement of soil.	NA.
NY329C Residue Management, Ridge Till Manage amount, orientation and distribution of organic residue on the soil surface year-round. Crops are planted on pre-formed ridges alternated with furrows protected by crop residue.	Significant reduction in sheet and rill erosion.	Significant reduction in wind erosion.	Moderate reduction in ephemeral gully erosion.	Situational	Insignificant.	Significant reduction in irrigation induced erosion.	Insignificant.	NA.

**CONSERVATION PRACTICE PHYSICAL EFFECTS (CPPE)
RESOURCE: SOIL (SHEET, RILL, WIND, GULLY, AND MASS WASTING EROSION CONCERNS)**

PRACTICE INFORMATION (PRACTICE CODE PRACTICE NAME PRACTICE DESCRIPTION) SORTED BY PRACTICE NAME	SHEET AND RILL The movement of soil from water forces that requires treatment when the soil loss tolerance (T) level is exceeded.	WIND The movement of soil from wind forces that requires treatment when the soil loss tolerance (T) level is exceeded.	CONCENTRATED FLOW		STREAMBANK Sloughing of banks caused by overbank flow, unstable soils, obstructions, unstable Channel bottoms, or all of these.	IRRIGATION INDUCED Erosion that is caused by excessive amounts and/or velocity of water in row, furrow, and/or sprinkler activities or by water conveyances and tracks from center pivots and travelling guns.	SOIL MASS MOVEMENT Soil slippage, landslides, or slope failure, normally on hillsides, in deep cuts or through unstable soil, that creates a large volume of soil movement.	ROADBANK/ CONSTRUCTION Erosion from non-agricultural sources that causes sedimentation and other damage on and off site.
			EPHEMERAL GULLY	CLASSIC GULLY				
			Concentrated flow channels along depressional watercourses that begin where overland flow, including rills, converge. Usually obscured by tillage operations.	Channels that may enlarge from year to year by headcutting and lateral widening. They are too deep to be obscured by normal tillage operations.				
NY344 Residue Management, Seasonal Manage amount, orientation and distribution of organic residue to maximize soil protection until immediately prior to planting the following crop.	Significant reduction in sheet and rill erosion.	Significant reduction in wind erosion.	Slight reduction ephemeral gully erosion.	Insignificant.	Insignificant.	Significant reduction in irrigation induced erosion.	Insignificant.	NA.
643 Restoration and Management of Declining Habitats Restoring and conserving rare or declining native vegetated communities and any associated wildlife species.	Facilitating.	Facilitating.	NA.	NA.	Facilitating.	NA.	NA.	NA.
391 Riparian Forest Buffer Create or maintain an area predominantly made up of trees and/or shrubs adjacent to and up-gradient of water bodies. If installed adjacent to a cropfield, a grass strip is typically installed between the lower edge of the cropfield and the wooded buffer.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
NY390 Riparian Herbaceous Cover Riparian herbaceous cover consist of grasses, grass-like plants, and forbs comprising the ecosystems along riparian areas of water courses or at the fringe of water bodies.	Slight reduction sheet and rill erosion.	Slight reduction wind erosion.	Insignificant.	Insignificant.	Significant reduction in streambank erosion.	Slight reduction irrigation induced erosion.	NA.	NA.
555 Rock Barrier Construct a rock retaining wall across the slope to form and support a bench terrace that will control water and reduce erosion.	Significant reduction in sheet and rill erosion.	Situational	Significant reduction in ephemeral gully erosion.	Situational	NA.	NA.	Significant reduction in mass movement of soil.	NA.
NY558 Roof Runoff Structure Construct a facility to collect, control and dispose of runoff water from roofs.	Significant reduction in sheet and rill erosion.	NA.	Significant reduction in ephemeral gully erosion.	Insignificant.	Insignificant.	NA.	NA.	NA.
557 Row Arrangement Establish a system of crop rows on planned grades and lengths for erosion reduction and water management.	Moderate reduction in sheet and rill erosion.	Insignificant.	Slight reduction ephemeral gully erosion.	NA.	NA.	Significant reduction in irrigation induced erosion.	NA.	NA.
570 Runoff Management System Install a system for controlling excess runoff caused by construction operations, land use changes, and other land disturbing activities.	Significant reduction in sheet and rill erosion.	Significant reduction in wind erosion.	Significant reduction in ephemeral gully erosion.	Significant reduction in classic gully erosion.	Significant reduction in streambank erosion.	NA.	NA.	Significant reduction in classic roadbank/construction erosion of soil..
350 Sediment Basin Construct a basin for deposition and storage of sediment, agriculture wastes, and other material and to improve water quality.	Insignificant.	Insignificant.	Slight reduction ephemeral gully erosion.	Slight reduction classic gully erosion.	Slight reduction in streambank erosion.	NA.	Slight increase in mass movement of soil.	Slight reduction classic roadbank/construction erosion of soil..
646 Shallow Water Management for Wildlife Provides for the managing of shallow water on agricultural lands and moist soil areas for wildlife habitat.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
571 Soil Salinity Management-Nonirrigated Manage land, water, and plants to control harmful accumulations of salt in the soil surface or root zone.	Significant reduction in sheet and rill erosion.	Significant reduction in wind erosion.	Moderate reduction in ephemeral gully erosion.	NA.	NA.	NA.	Situational	NA.
572 Spoil Spreading Utilize surplus excavated material to enhance the site.	Significant reduction in sheet and rill erosion.	Situational	Insignificant.	Insignificant.	NA.	NA.	NA.	NA.

**CONSERVATION PRACTICE PHYSICAL EFFECTS (CPPE)
RESOURCE: SOIL (SHEET, RILL, WIND, GULLY, AND MASS WASTING EROSION CONCERNS)**

PRACTICE INFORMATION (PRACTICE CODE PRACTICE NAME PRACTICE DESCRIPTION) SORTED BY PRACTICE NAME	SHEET AND RILL The movement of soil from water forces that requires treatment when the soil loss tolerance (T) level is exceeded.	WIND The movement of soil from wind forces that requires treatment when the soil loss tolerance (T) level is exceeded.	CONCENTRATED FLOW		STREAMBANK Sloughing of banks caused by overbank flow, unstable soils, obstructions, unstable Channel bottoms, or all of these.	IRRIGATION INDUCED Erosion that is caused by excessive amounts and/or velocity of water in row, furrow, and/or sprinkler activities or by water conveyances and tracks from center pivots and travelling guns.	SOIL MASS MOVEMENT Soil slippage, landslides, or slope failure, normally on hillsides, in deep cuts or through unstable soil, that creates a large volume of soil movement.	ROADBANK/ CONSTRUCTION Erosion from non-agricultural sources that causes sedimentation and other damage on and off site.
			EPHEMERAL GULLY	CLASSIC GULLY				
			Concentrated flow channels along depressional watercourses that begin where overland flow, including rills, converge. Usually obscured by tillage operations.	Channels that may enlarge from year to year by headcutting and lateral widening. They are too deep to be obscured by normal tillage operations.				
574 Spring Development Improve springs and seeps to provide water by excavating, cleaning, capping, or providing collection and storage facilities.	Moderate reduction in sheet and rill erosion.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
584 Stream Channel Stabilization Stabilize the channel of the stream with suitable structures. This does not apply to streambanks or to address meanders in a channel.	NA.	NA.	NA.	Situational	Significant reduction in streambank erosion.	NA.	Significant reduction in mass movement of soil.	Situational
395 Stream Habitat Improvement and Management Maintain, improve, or restore the physical, chemical, and biological functions of a stream.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
NY580 Streambank and Shoreline Protection Use vegetation and/or structures to stabilize and protect banks or streams, lakes, estuaries, or excavated channels against scour and erosion.	Insignificant.	Insignificant.	Insignificant.	NA.	Significant reduction in streambank erosion.	NA.	Significant reduction in mass movement of soil.	NA.
587 Structure for Water Control Install a structure to control direction, rate and/or level of surface water in the system.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
606 Subsurface Drain Collect and convey drainage water. Regulate water table. Intercept water. Relieve artesian pressure. Leaching saline and sodic soils. Regulate water to control health hazard. Remove water from heavy use area.	Moderate reduction in sheet and rill erosion.	Moderate reduction in wind erosion.	Slight reduction ephemeral gully erosion.	NA.	NA.	NA.	NA.	NA.
607 Surface Drainage, Field Ditch Install a graded ditch to collect and convey excess water to a safe outlet.	Slight reduction sheet and rill erosion.	Insignificant.	Slight reduction ephemeral gully erosion.	NA.	NA.	Moderate reduction in irrigation induced erosion.	NA.	NA.
608 Surface Drainage, Main or Lateral An open drainage ditch used to safely dispose of water collected by drainage field ditches or subsurface drains.	Insignificant.	Insignificant.	Insignificant.	NA.	NA.	Insignificant.	NA.	NA.
609 Surface Roughening Roughen the soil surface by clod forming tillage to reduce wind erosion.	Insignificant.	Significant reduction in wind erosion.	Insignificant.	NA.	NA.	NA.	NA.	NA.
600 Terrace Construct an earth embankment, a channel, or a combination ridge and channel constructed across the slope. This standard does not apply to diversions.	Moderate reduction in sheet and rill erosion.	Insignificant.	Significant reduction in ephemeral gully erosion.	Significant reduction in classic gully erosion.	Significant reduction in streambank erosion.	Insignificant.	Slight increase in mass movement of soil.	Insignificant.
610 Toxic Salt Reduction Reduced or redistribute harmful concentrations of salt and/or sodium in a soil (sometimes referred to as leaching).	Moderate reduction in sheet and rill erosion.	Moderate reduction in wind erosion.	Insignificant.	NA.	NA.	Slight increase in irrigation induced erosion.	Insignificant.	NA.
612 Tree/Shrub Establishment 1. Can be used for land use conversion or reestablishing forest land. 2. For tree planting in gullies and along stream banks, see critical area planting and stream channel stabilization.	Significant reduction in sheet and rill erosion.	Significant reduction in wind erosion.	Insignificant.	Insignificant.	Significant reduction in streambank erosion.	NA.	Significant reduction in mass movement of soil.	Significant reduction in classic roadbank/construction erosion of soil.
660 Tree/Shrub Pruning Prune woody plants to enhance the function and/or beauty of the species.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.

**CONSERVATION PRACTICE PHYSICAL EFFECTS (CPPE)
RESOURCE: SOIL (SHEET, RILL, WIND, GULLY, AND MASS WASTING EROSION CONCERNS)**

PRACTICE INFORMATION (PRACTICE CODE PRACTICE NAME PRACTICE DESCRIPTION) SORTED BY PRACTICE NAME	SHEET AND RILL The movement of soil from water forces that requires treatment when the soil loss tolerance (T) level is exceeded.	WIND The movement of soil from wind forces that requires treatment when the soil loss tolerance (T) level is exceeded.	CONCENTRATED FLOW		STREAMBANK Sloughing of banks caused by overbank flow, unstable soils, obstructions, unstable Channel bottoms, or all of these.	IRRIGATION INDUCED Erosion that is caused by excessive amounts and/or velocity of water in row, furrow, and/or sprinkler activities or by water conveyances and tracks from center pivots and travelling guns.	SOIL MASS MOVEMENT Soil slippage, landslides, or slope failure, normally on hillsides, in deep cuts or through unstable soil, that creates a large volume of soil movement.	ROADBANK/ CONSTRUCTION Erosion from non-agricultural sources that causes sedimentation and other damage on and off site.
			EPHEMERAL GULLY Concentrated flow channels along depressional watercourses that begin where overland flow, including rills, converge. Usually obscured by tillage operations.	CLASSIC GULLY Channels that may enlarge from year to year by headcutting and lateral widening. They are too deep to be obscured by normal tillage operations.				
			620 Underground Outlet Dispose of excess surface water used with other practices. Takes on characteristics of subsurface drain (606) if perforated tubing is used.	Situational				
645 Upland Wildlife Habitat Management Creating maintaining or enhancing upland habitat for the desired species of upland wildlife. All lands can be managed to produce wildlife as a primary or secondary use. Often, accomplishment of this practice employs the use of several other practices.	Moderate reduction in sheet and rill erosion.	Moderate reduction in wind erosion.	Moderate reduction in ephemeral gully erosion.	Moderate reduction in classic gully erosion.	Moderate reduction in streambank erosion.	Moderate reduction in irrigation induced erosion.	Insignificant.	Insignificant.
472 Use Exclusion Excluding all animals, people, and vehicles from a particular area to protect the natural resources.	Significant reduction in sheet and rill erosion.	Significant reduction in wind erosion.	Significant reduction in ephemeral gully erosion.	Significant reduction in classic gully erosion.	Significant reduction in streambank erosion.	Situational	Situational	Significant reduction in classic roadbank/construction erosion of soil..
601 Vegetative Barrier Permanent strips of stiff, dense vegetation along the general contour of slopes or across concentrated flow areas.	Significant reduction in sheet and rill erosion.	Insignificant.	Moderate reduction in ephemeral gully erosion.	Insignificant.	NA.	Situational	NA.	Moderate reduction in classic roadbank/construction erosion of soil..
630 Vertical Drain Install a facility to provide a subsurface outlet for drainage water.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
NY312 Waste Management System A planned system in which all necessary components are installed for properly managing liquid and solid waste, including runoff from concentrated waste areas.	Situational	Situational	NA.	NA.	NA.	NA.	NA.	NA.
NY313 Waste Storage Facility Install a facility to store liquid and/or solid waste on a temporary basis.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
359 Waste Treatment Lagoon An Impoundment made for biological treatment of animal wastes or other agricultural wastes.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
NY633 Waste Utilization Use organic waste material in an environmentally safe manner to enrich soil fertility. Use Nutrient Management (NY590) if the waste has an N-P-K nutrient level greater than 10 lbs./ton.	Slight reduction sheet and rill erosion.	Slight reduction wind erosion.	Slight reduction ephemeral gully erosion.	Insignificant.	Insignificant.	Slight reduction irrigation induced erosion.	Insignificant.	Slight reduction classic roadbank/construction erosion of soil..
638 Water and Sediment Control Basin Install a structure(s) across the slope to trap sediment and detain water for safe release. Used to reduce concentrated flow erosion, trap sediment, reduce runoff, and improve water quality.	Insignificant.	NA.	Significant reduction in ephemeral gully erosion.	Significant reduction in classic gully erosion.	Slight reduction in streambank erosion.	NA.	NA.	NA.
636 Water Harvesting Catchment Install a facility to collect and store precipitation.	Situational	Situational	Situational	NA.	NA.	NA.	NA.	NA.
NY731 Water Testing The testing for physical, biological, and chemical characteristics of water.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.

**CONSERVATION PRACTICE PHYSICAL EFFECTS (CPPE)
RESOURCE: SOIL (SHEET, RILL, WIND, GULLY, AND MASS WASTING EROSION CONCERNS)**

PRACTICE INFORMATION (PRACTICE CODE PRACTICE NAME PRACTICE DESCRIPTION) SORTED BY PRACTICE NAME	SHEET AND RILL The movement of soil from water forces that requires treatment when the soil loss tolerance (T) level is exceeded.	WIND The movement of soil from wind forces that requires treatment when the soil loss tolerance (T) level is exceeded.	CONCENTRATED FLOW		STREAMBANK Sloughing of banks caused by overbank flow, unstable soils, obstructions, unstable Channel bottoms, or all of these.	IRRIGATION INDUCED Erosion that is caused by excessive amounts and/or velocity of water in row, furrow, and/or sprinkler activities or by water conveyances and tracks from center pivots and travelling guns.	SOIL MASS MOVEMENT Soil slippage, landslides, or slope failure, normally on hillsides, in deep cuts or through unstable soil, that creates a large volume of soil movement.	ROADBANK/ CONSTRUCTION Erosion from non-agricultural sources that causes sedimentation and other damage on and off site.
			EPHEMERAL GULLY Concentrated flow channels along depressional watercourses that begin where overland flow, including rills, converge. Usually obscured by tillage operations.	CLASSIC GULLY Channels that may enlarge from year to year by headcutting and lateral widening. They are too deep to be obscured by normal tillage operations.				
			642 Water Well A hole drilled, dug, driven, bored, jetted, or otherwise constructed to gain access to an aquifer.	Moderate reduction in sheet and rill erosion.				
614 Watering Facility A device (trough, tank, or other watertight container) for providing a water drinking facility for livestock and/or wildlife.	Moderate reduction in sheet and rill erosion.	Moderate reduction in wind erosion.	Moderate reduction in ephemeral gully erosion.	Insignificant.	Situational	NA.	NA.	NA.
640 Waterspreading Install a system of dams, ditches, or other structures to divert, collect and spread runoff water to supplement precipitation.	Slight increase in sheet and rill erosion.	Insignificant.	Situational	NA.	Situational	NA.	NA.	NA.
351 Well Decommissioning Sealing and permanently closing a water well that is no longer in use.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
658 Wetland Creation A wetland that has been created at a location which historically was not a wetland or is a wetland that will be converted to a wetland with different hydrology, vegetation type, or function than occurred naturally on the site.	Situational	NA.	Situational	Situational	NA.	Situational	NA.	NA.
NY659 Wetland Enhancement The modification or rehabilitation of an existing or degraded wetland, where specific functions and/or values are modified for the purpose of meeting specific project objectives.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
657 Wetland Restoration A rehabilitation of a drained or dredged wetland, where the soils, hydrology, vegetative community, and biological habitat are returned to the natural conditions to the extent practicable.	Significant reduction in sheet and rill erosion.	Significant reduction in wind erosion.	Significant reduction in ephemeral gully erosion.	NA.	NA.	NA.	NA.	NA.
644 Wetland Wildlife Habitat Management Creating maintaining or enhancing wetland habitat for the desired species of wildlife, including upland components such as nesting cover or food plots. Accomplishment of this practice frequently employs the use of several other practices.	Moderate reduction in sheet and rill erosion.	Moderate reduction in wind erosion.	Moderate reduction in ephemeral gully erosion.	Insignificant.	Moderate reduction in streambank erosion.	Moderate reduction in irrigation induced erosion.	Insignificant.	Insignificant.
NY648 Wildlife Watering Facility Develop, improve or modify a watering place for wildlife.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
380 Windbreak/Shelterbelt Establishment Plant single or multiple rows of trees or shrubs next to farmsteads, feedlots, rural residences, and/or sources of noise or unsightly areas.	Insignificant.	Significant reduction in wind erosion.	Insignificant.	Insignificant.	Insignificant.	Insignificant.	Insignificant.	NA.
650 Windbreak/Shelterbelt Renovation Replacing, releasing and/or removing selected trees and shrubs or rows within an existing windbreak or shelterbelt, adding rows to the windbreak or shelterbelt, or by removing selected tree and shrub branches.	Insignificant.	Significant reduction in wind erosion.	Slight reduction ephemeral gully erosion.	Insignificant.	Insignificant.	Insignificant.	Insignificant.	NA.