NRCS-CAST NEIEN "Release"	NRCS-CAST NEIEN "Draft"	'		
BMPs Phase 6	BMPs	Phase 5 CAST BMP Representation	NEIEN Status Phase 5	NEIEN Status 202
Animal Mortality Facility (no)	Brush Management (ac)	Soil Conservation and Water Quality Plans	Release	Draft
, , , , , , , , , , , , , , , , , , , ,	Conservation Crop	,		
Channel Bed Stabilization (ft)	Rotation (ac)	Soil Conservation and Water Quality Plans	Release	Draft
, ,		,		
Composting Facility (no)	Contour Buffer Strips (ac)	Soil Conservation and Water Quality Plans	Release	Draft
Conservation Cover (ac)	Contour Farming (ac)	Soil Conservation and Water Quality Plans	Release	Draft
Constructed Wetland (ac)	Diversion (ft)	Soil Conservation and Water Quality Plans	Release	Draft
(45)	Grade Stabilization			
Cover Crop (ac)	Structure (no)	Soil Conservation and Water Quality Plans	Release	Draft
Critical Area Planting (ac)	Hedgerow Planting (ft)	Soil Conservation and Water Quality Plans	Release	Draft
8 (4-5)	Irrigation System,			
eed Management (au)	Microirrigation (ac)	Soil Conservation and Water Quality Plans	Release	Draft
(44)	Irrigation Water			
ield Border (ac)	Management (ac)	Soil Conservation and Water Quality Plans	Release	Draft
	Lined Waterway or Outlet			1
ilter Strip (ac)	(ft)	Soil Conservation and Water Quality Plans	Release	Draft
1 (55)	Shallow Water	22 22 22 22 22 22 22 22 22 22 22 22 22		1
	Development and			
orage and Biomass Planting (ac)	Management (ac)	Soil Conservation and Water Quality Plans	Release	Draft
g = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 =	Stream Habitat	22 22 22 22 22 22 22 22 22 22 22 22 22		1
	Improvement and			
orest Stand Improvement (ac)	Management (ac)	Soil Conservation and Water Quality Plans	Release	Draft
Grassed Waterway (ac)	Stripcropping (ac)	Soil Conservation and Water Quality Plans	Release	Draft
asture and Hay Planting (ac)	Subsurface Drain (ft)	Soil Conservation and Water Quality Plans	Release	Draft
Prescribed Grazing (ac)	Terrace (ft)	Soil Conservation and Water Quality Plans	Release	Draft
resortized erazing (de)	Terrace (ie)	Son conservation and tracer quanty rians	Hereuse	5.0.0
Riparian Forest Buffer (ac)	Underground Outlet (ft)	Soil Conservation and Water Quality Plans	Release	Draft
	Water and Sediment	,		
Riparian Herbaceous Cover (ac)	Control Basin (no)	Soil Conservation and Water Quality Plans	Release	Draft
Roof Runoff Structure (no)	, ,	,		
Streambank and Shoreline				
Protection (ft)				
Structure for Water Control (no)				
ree-Shrub Establishment (ac)				
Vegetated Treatment Area (ac)				
Waste Storage Facility (no)				
Vaste Treatment Lagoon (no)				
Vatering Facility (no)				
Vetland Creation (ac)				
Vetland Restoration (ac)				
Vindbreak-Shelterbelt				
stablishment (ft)				
28	15			
	-			
Increases the total "released" N	NRCS-to-NEIEN crosswalked BMPs	from 28 to 43 total practices.		
eon Tillman, NRCS Chesapeake Bay C				1
	,,,,			
			<u> </u>	

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			1	The source concerns (1	16001			
Sheet and rill erosion	Concentrated flow erosion	Excessive bank erosion	Excess nutrients in surface/ground water	surface/ground water	Excess pathogens/ chemicals from manure/ bio-solids/ compost	Petroleum/ Heavy metals/ Pollutants to waters	Excessive sediments in surface water	Elevated water temperature
Access Control (ac)	Access Control (ac)	Access Control (ac)	Access Control (ac)	Access Control (ac)	Access Control (ac)	Access Control (ac)	Access Control (ac)	Access Control (ac)
		Channel Bed Stabilization			Agrichemical Handling			Aquatic Organism Passage
Access Road (ft)	Access Road (ft)	(ft)	Alley Cropping (ac)	Alley Cropping (ac)	Facility (no)	Alley Cropping (ac)	Access Road (ft)	(mi)
` '	, ,	,	Amending Soil Properties	Amending Soil Properties	, , ,	Amendments for	, ,	
Agrichemical Handling			with Gypsum Products	with Gypsum Products		Treatment of Agricultural		Channel Bed Stabilization
-	Alley Cropping (ac)	Clearing and Snagging (ft)	(ac)	(ac)	Alley Cropping (ac)	Waste (au)	Alley Cropping (ac)	(ft)
racinty (110)	Alicy cropping (ac)	cicaring and snagging (it)	Amendments for	(ac)	Amendments for	waste (au)	Alicy cropping (ac)	(10)
	Anionic Polyacrylamide		Treatment of Agricultural	Anionic Polyacrylamide	Treatment of Agricultural	Anionic Polyactylamide	Anionic Polyacrylamide	
Allow Cronning (o.s)		Consorvation Cover (as)		, ,	•	, ,		Consequation Cover (cs)
Alley Cropping (ac)	(PAM) Application (ac)	Conservation Cover (ac)	Waste (au)	(PAM) Application (ac)	Waste (au)	(PAM) Application (ac)	(PAM) Application (ac)	Conservation Cover (ac)
Amending Soil Properties								
with Gypsum Products								Forest Stand
(ac)	Brush Management (ac)	Critical Area Planting (ac)		Conservation Cover (ac)	Anaerobic Digester (no)	Constructed Wetland (ac)		Improvement (ac)
Anionic Polyacrylamide	Chennel Bed Stabilization		Animal Mortality Facility	Conservation Crop	Animal Mortality Facility		Channel Bed Stabilization	
(PAM) Application (ac)	(ft)	Dam (no)	(no)	Rotation (ac)	(no)	Diversion (ft)	(ft)	Hedgerow Planting (ft)
					Bivalve Aquaculture Gear			
			Anionic Polyacrylamide		and Biofouling Control	Drainage Water		
Brush Management (ac)	Conservation Cover (ac)	Diversion (ft)	(PAM) Application (ac)	Constructed Wetland (ac)	(ac)	Management (ac)	Composting Facility (no)	Prescribed Grazing (ac)
	Contour Orchard and		Bivalve Aquaculture Gear					
	Other Perennial Crops		and Biofouling Control					
Conservation Cover (ac)	(ac)	Field Border (ac)	(ac)	Contour Buffer Strips (ac)	Composting Facility (no)	Filter Strip (ac)	Conservation Cover (ac)	Range Planting (ac)
conscitution cover (do)	(40)	ricia peraer (ae)	(40)	contour surrer surres (us)	composting radiiity (i.e.)	ritter strip (de)	consciration cover (ac)	Restoration of Rare or
Conservation Crop						Forage and Biomass	Conservation Crop	Declining Natural
	Cover Crep (as)	Filtor Strip (as)	Composting Facility (no)	Contaur Forming (oc)	Consequation Cover (co)		· ·	Ŭ .
Rotation (ac)	Cover Crop (ac)	Filter Strip (ac)	Composting Facility (no)	Contour Farming (ac) Contour Orchard and	Conservation Cover (ac)	Planting (ac)	Rotation (ac)	Communities (ac)
		Conda Chabiliantian			Carana satisma Coran	F		
		Grade Stabilization		Other Perennial Crops	Conservation Crop	Forage Harvest		
Contour Buffer Strips (ac)	Critical Area Planting (ac)	Structure (no)	Conservation Cover (ac)	(ac)	Rotation (ac)	Management (ac)	Constructed Wetland (ac)	Riparian Forest Buffer (ac)
			Conservation Crop			Forest Stand		Riparian Herbaceous
	Dam (no)	Grassed Waterway (ac)	Rotation (ac)	Cover Crop (ac)	Constructed Wetland (ac)	Improvement (ac)	Contour Buffer Strips (ac)	Cover (ac)
Contour Orchard and								Road-Trail-Landing
Other Perennial Crops		Herbaceous Weed						Closure and Treatment
(ac)	Dike (ft)	Treatment (ac)	Constructed Wetland (ac)	Cross Wind Ridges	Contour Buffer Strips (ac)	Grassed Waterway (ac)	Contour Farming (ac)	(ft)
							Contour Orchard and	
						Irrigation and Drainage	Other Perennial Crops	
Cover Crop (ac)	Diversion (ft)	Hillside Ditch (ft)	Contour Buffer Strips (ac)	Cross Wind Trap Strips	Contour Farming (ac)	Tailwater Recovery (no)	(ac)	Silvopasture (ac)
			(uc)		(30)	(110)	177	Stream Habitat
		Irrigation and Drainage						Improvement and
Critical Area Planting (ac)	Field Border (ac)	Tailwater Recovery (no)	Contour Farming (ac)	Dike (ft)	Cover Crop (ac)	Irrigation Field Ditch (ft)	Cover Crop (ac)	Management (ac)
Critical Area Flatiting (ac)	ricia boraci (ac)	ranwater necovery (110)	Contour Parining (ac)	DIKC (II)	cover crop (ac)	in igation i icia Dittil (It)	cover crop (ac)	widinagement (ac)
						lanianskia a Lanad Lanad		Characacharaltanad
	Eth. Cr.: ()		Other Perennial Crops	D: (6)	D: (6)	Irrigation Land Leveling	0 111 14 51 11 1	Streambank and
Deep Tillage (ac)	Filter Strip (ac)	Irrigation Reservoir (no)	(ac)	Diversion (ft)	Diversion (ft)	(ac)	Critical Area Planting (ac)	Shoreline Protection (ft)
	Forest Stand	Livestock Shelter		Drainage Water	Drainage Water	Irrigation System,		Structure for Water
Diversion (ft)	Improvement (ac)	Structure	Cover Crop (ac)	Management (ac)	Management (ac)	Microirrigation (ac)	Cross Wind Ridges	Control (no)

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	I	I	1	The source concerns (1	717			
Sheet and rill erosion	Concentrated flow erosion	Excessive bank erosion	Excess nutrients in surface/ground water	Pesticides transported to surface/ground water	Excess pathogens/ chemicals from manure/ bio-solids/ compost	Petroleum/ Heavy metals/ Pollutants to waters	Excessive sediments in surface water	Elevated water temperature
Dust Control on Unpaved Roads and Surfaces (sf)	Grade Stabilization Structure (no)	Open Channel (ft)	Critical Area Planting (ac)	Field Border (ac)	Dust Control from Animal Activity on Open Lot Surfaces (ac)	Irrigation System, Surface and Subsurface (ac)	Cross Wind Trap Strips	Tree-Shrub Establishment (ac)
Fence (ft)	Grassed Waterway (ac)	Pond (no)	Cross Wind Ridges	Filter Strip (ac)	Emergency Animal Mortality Management (no)	Irrigation Water Management (ac)	Dam (no)	Watering Facility (no)
Field Border (ac)	Heavy Use Area Protection (sf)	Prescribed Burning (ac)	Cross Wind Trap Strips	Forage and Biomass Planting (ac)	Feed Management (au)	Land Reclamation, Landslide Treatment (ac)	Diversion (ft)	Wildlife Habitat Planting (ac)
Field Operations Emissions Reduction (ac)	Herbaceous Weed Treatment (ac)	Prescribed Grazing (ac)	Deep Tillage (ac)	Forage Harvest Management (ac)	Fence (ft)	Land Reclamation, Toxic Discharge Control (no)	Dust Control on Unpaved Roads and Surfaces (sf)	
Filter Strip (ac) Forage and Biomass	Hillside Ditch (ft)	Range Planting (ac) Recreation Area	Denitrifying Bioreactor (no)	Grassed Waterway (ac)	Field Border (ac)	Lined Waterway or Outlet (ft) Mine Shaft and Adit	Field Border (ac)	
Planting (ac)	Tailwater Recovery (no)	Improvement (ac)	Diversion (ft)	Hedgerow Planting (ft)	Filter Strip (ac)	Closing (no)	Filter Strip (ac)	
Forage Harvest Management (ac)	Irrigation Land Leveling (ac)	Recreation Land Grading and Shaping (ac)	Drainage Water Management (ac)	Herbaceous Wind Barriers (ft)	Forage and Biomass Planting (ac)	Multi-Story Cropping (ac)	Forage and Biomass Planting (ac)	
Forest Stand Improvement (ac)	Irrigation Pipeline (ft)	Riparian Forest Buffer (ac)	Dust Control from Animal Activity on Open Lot Surfaces (ac)	Hillside Ditch (ft)	Forage Harvest Management (ac)	Nutrient Management (ac)	Grade Stabilization Structure (no)	
Grazing Land Mechanical Treatment (ac)	Karst Sinkhole Treatment (no)	Riparian Herbaceous Cover (ac)	Emergency Animal Mortality Management (no)	Irrigation and Drainage Tailwater Recovery (no)	Forest Stand Improvement (ac)	On-Farm Secondary Containment Facility	Grassed Waterway (ac)	
Heavy Use Area Protection (sf)	Land Reclamation, Abandoned Mined Land (ac)	Road-Trail-Landing Closure and Treatment (ft)	Feed Management (au)	Irrigation Land Leveling (ac)	Grassed Waterway (ac)	Precision Land Forming (ac)	Grazing Land Mechanical Treatment (ac)	
Herbaceous Weed Treatment (ac)	Land Reclamation, Currently Mined Land (ac)	Rock Wall Terrace (ft)	Field Border (ac)	Irrigation System, Microirrigation (ac)	Grazing Land Mechanical Treatment (ac)	Prescribed Burning (ac)	Heavy Use Area Protection (sf)	
Hillside Ditch (ft)	Land Reclamation, Landslide Treatment (ac)	Roof Runoff Structure (no)	Filter Strip (ac)	Irrigation System, Surface and Subsurface (ac)	Heavy Use Area Protection (sf)	Range Planting (ac)	Herbaceous Wind Barriers (ft)	
(ac)	Land Reclamation, Toxic Discharge Control (no)	Silvopasture (ac)	Forage and Biomass Planting (ac)	Irrigation Water Management (ac)	Irrigation and Drainage Tailwater Recovery (no)	Riparian Forest Buffer (ac)	Hillside Ditch (ft)	
Land Reclamation, Abandoned Mined Land (ac)	Land Smoothing (ac)	Spring Development (no)	Forage Harvest Management (ac)	Karst Sinkhole Treatment (no)	Irrigation Land Leveling (ac)	Riparian Herbaceous Cover (ac)	Irrigation and Drainage Tailwater Recovery (no)	
Land Reclamation, Currently Mined Land (ac)	Lined Waterway or Outlet (ft)	Stormwater Runoff Control (ac)	Forest Stand Improvement (ac)	Land Smoothing (ac)	Irrigation Pipeline (ft)	Road-Trail-Landing Closure and Treatment (ft)	Irrigation Ditch Lining (ft)	

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			NRC	S Resource Concerns (T	ypes)		 	
Sheet and rill erosion	Concentrated flow erosion	Excessive bank erosion	Excess nutrients in surface/ground water	Pesticides transported to surface/ground water	Excess pathogens/ chemicals from manure/ bio-solids/ compost	Petroleum/ Heavy metals/ Pollutants to waters	Excessive sediments in surface water	Elevated water temperature
Land Reclamation,			Forest Trails and Landings		Irrigation System,		Irrigation Land Leveling	
Landslide Treatment (ac)	Multi-Story Cropping (ac)		(ac)	Mulching (ac)	Microirrigation (ac)	Rock Wall Terrace (ft)	(ac)	
		Stream Habitat						
Land Reclamation, Toxic	Pest Management	Improvement and			Irrigation System, Surface			
Discharge Control (no)	Conservation System (ac)	Management (ac)	Grassed Waterway (ac)	Multi-Story Cropping (ac)	and Subsurface (ac)	Roofs and Covers (no)	Irrigation Pipeline (ft)	
		G						
Mulahing (as)	Dand (na)	Streambank and	Grazing Land Mechanical	Pest Management	Irrigation Water	Codimont Dasin (na)	Irrigation December (ne)	
Mulching (ac)	Pond (no)	Shoreline Protection (ft)	Treatment (ac)	Conservation System (ac)	Management (ac)	Sediment Basin (no) Shallow Water	Irrigation Reservoir (no)	
	Precision Land Forming		Heavy Use Area	Precision Land Forming	Karst Sinkhole Treatment	Development and	Irrigation System,	
Multi-Story Cropping (ac)	-	Subsurface Drain (ft)	Protection (sf)	(ac)	(no)	Management (ac)	Microirrigation (ac)	
Widiti-Story Cropping (ac)	(ac)	Substitute Diam (it)	Frotection (31)	(ac)	Land Reclamation,	ivialiagement (ac)	iviicioii iigatioii (ac)	
Pest Management					Abandoned Mined Land		Irrigation Water	
Conservation System (ac)	Prescribed Burning (ac)	Terrace (ft)	Hedgerow Planting (ft)	Prescribed Grazing (ac)	(ac)	Silvopasture (ac)	Management (ac)	
conservation system (ac)	reserved burning (de)	remade (14)	reagerou rianting (re)	reserved Grazing (ac)	(40)	on opastare (ac)	management (ac)	
			Herbaceous Wind Barriers		Land Reclamation,		Karst Sinkhole Treatment	
Prescribed Burning (ac)	Prescribed Grazing (ac)	Trails and Walkways	(ft)	Range Planting (ac)	Currently Mined Land (ac)	Spring Development (no)	(no)	
	• • •				,		Land Reclamation,	
		Tree-Shrub Establishment	Irrigation and Drainage	Recreation Area	Land Reclamation,		Abandoned Mined Land	
Prescribed Grazing (ac)	Range Planting (ac)	(ac)	Tailwater Recovery (no)	Improvement (ac)	Landslide Treatment (ac)	Sprinkler System (ac)	(ac)	
	Recreation Area	Upland Wildlife Habitat		Residue and Tillage	Livestock Shelter	Stormwater Runoff	Land Reclamation,	
Range Planting (ac)		Management (ac)	Irrigation Ditch Lining (ft)		Structure	Control (ac)	Currently Mined Land (ac)	
	Restoration of Rare or			Residue and Tillage				
Recreation Area	Declining Natural		Irrigation Land Leveling	Management, Reduced			Land Reclamation,	
Improvement (ac)	Communities (ac)	Watering Facility (no)	(ac)	Till (ac)	Multi-Story Cropping (ac)	Terrace (ft)	Landslide Treatment (ac)	
D : 1 17:11						T CL F		
Residue and Tillage	Discoins Found Duffer (col		Indication Discoling (ft)	Discoins Found Duffer (o.)	Nutrient Management	Tree-Shrub Establishment	C + ()	
Management, No Till (ac) Residue and Tillage	Riparian Forest Buffer (ac)		Irrigation Pipeline (ft)	Riparian Forest Buffer (ac)	Pond Sealing or Lining,	(ac)	Land Smoothing (ac)	
Management, Reduced	Riparian Herbaceous		Irrigation System,	Riparian Herbaceous	Compacted Soil		Lined Waterway or Outlet	
Till (ac)	Cover (ac)		Microirrigation (ac)	Cover (ac)	Treatment (sf)	Underground Outlet (ft)	(ft)	
Restoration of Rare or	Road-Trail-Landing		iviici oii rigatioii (ac)	cover (ac)	Treatment (31)	Onderground Outlet (it)	(10)	
Declining Natural	Closure and Treatment		Irrigation System, Surface		Pond Sealing or Lining,		Livestock Shelter	
Communities (ac)	(ft)		and Subsurface (ac)	Row Arrangement (ac)	Concrete (sf)	Vertical Drain (no)	Structure	
()	,		Irrigation Water		Pond Sealing or Lining,	Waste Separation Facility		
Riparian Forest Buffer (ac)	Rock Wall Terrace (ft)		Management (ac)	Sediment Basin (no)	Flexible Membrane	(no)	Mulching (ac)	
Riparian Herbaceous	Roof Runoff Structure		Karst Sinkhole Treatment	` '			Ŭ, <i>i</i>	
Cover (ac)	(no)		(no)	Silvopasture (ac)	Prescribed Grazing (ac)	Waste Treatment (no)	Multi-Story Cropping (ac)	
Road-Trail-Landing								
Closure and Treatment							Pest Management	
(ft)	Row Arrangement (ac)		Land Smoothing (ac)	Sprinkler System (ac)	Range Planting (ac)	Watering Facility (no)	Conservation System (ac)	

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			Tine	Nesource Concerns (1	ypesy	1		
Sheet and rill erosion	Concentrated flow erosion	Excessive bank erosion	Excess nutrients in surface/ground water	Pesticides transported to surface/ground water	Excess pathogens/ chemicals from manure/ bio-solids/ compost	Petroleum/ Heavy metals/ Pollutants to waters	Excessive sediments in surface water	Elevated water temperature
			Lined Waterway or Outlet		Residue and Tillage			
Rock Wall Terrace (ft)	Sediment Basin (no)		(ft)	Stripcropping (ac)	Management, No Till (ac)	Waterspreading (ac)	Pond (no)	
					Residue and Tillage			
Roof Runoff Structure			Livestock Shelter		Management, Reduced		Precision Land Forming	
(no)	Silvopasture (ac)		Structure	Subsurface Drain (ft)	Till (ac)	Wetland Creation (ac)	(ac)	
				_		Wetland Enhancement		
Row Arrangement (ac)	Spring Development (no)		Mulching (ac)	Terrace (ft)	Riparian Forest Buffer (ac)	(ac)	Prescribed Burning (ac)	
()	Stormwater Runoff				Riparian Herbaceous			
Silvopasture (ac)	Control (ac)		Multi-Story Cropping (ac)	(ac)	Cover (ac)	Wetland Restoration (ac)	Prescribed Grazing (ac)	
					Road-Trail-Landing			
			Nutrient Management		Closure and Treatment	Windbreak-Shelterbelt		
Stripcropping (ac)	Subsurface Drain (ft)		(ac)	Tree-Shrub Pruning (ac)	(ft)	Establishment (ft)	Range Planting (ac)	
	Surface Drain, Field Ditch					Windbreak-Shelterbelt	Recreation Area	
Subsurface Drain (ft)	(ft)		Pond (no)	Vegetative Barrier (ft)	Rock Wall Terrace (ft)	Renovation (ft)	Improvement (ac)	
			Pond Sealing or Lining,					
	Surface Drain, Main or		Compacted Soil		Roof Runoff Structure		Recreation Land Grading	
(ft)	Lateral (ft)		Treatment (sf)	Waterspreading (ac)	(no)		and Shaping (ac)	
	_		Pond Sealing or Lining,				Residue and Tillage	
Terrace (ft)	Terrace (ft)		Concrete (sf)	Wetland Creation (ac)	Roofs and Covers (no)		Management, No Till (ac)	
							Residue and Tillage	
			Pond Sealing or Lining,	Wetland Enhancement			Management, Reduced	
Trails and Walkways	Trails and Walkways		Flexible Membrane	(ac)	Row Arrangement (ac)		Till (ac)	
							Restoration of Rare or	
	Tree-Shrub Establishment		Precision Land Forming				Declining Natural	
(ac)	(ac)		(ac)	Wetland Restoration (ac)			Communities (ac)	
					Shallow Water			
				Windbreak-Shelterbelt	Development and			
Tree-Shrub Pruning (ac)	Underground Outlet (ft)		Prescribed Burning (ac)	Establishment (ft)	Management (ac)		Riparian Forest Buffer (ac)	
					Short Term Storage of			
Upland Wildlife Habitat	Upland Wildlife Habitat			Windbreak-Shelterbelt	Animal Waste and		Riparian Herbaceous	
Management (ac)	Management (ac)		Prescribed Grazing (ac)	Renovation (ft)	Byproducts		Cover (ac)	
							Road-Trail-Landing	
Vegetated Treatment							Closure and Treatment	
Area (ac)	Vegetative Barrier (ft)		Range Planting (ac)		Silvopasture (ac)		(ft)	
	Water and Sediment		Residue and Tillage					
Vegetative Barrier (ft)	Control Basin (no)		Management, No Till (ac)		Spring Development (no)		Rock Wall Terrace (ft)	
			Residue and Tillage					
			Management, Reduced				Roof Runoff Structure	
Water Well (no)	Water Well (no)		Till (ac)		Sprinkler System (ac)		(no)	
Watering Facility (no)	Watering Facility (no)		Riparian Forest Buffer (ac)		Stream Crossing (no)		Row Arrangement (ac)	

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			NRC	S Resource Concerns (T	ypes)			
Sheet and rill erosion	Concentrated flow erosion	Excessive bank erosion	Excess nutrients in surface/ground water	Pesticides transported to surface/ground water	Excess pathogens/ chemicals from manure/ bio-solids/ compost	Petroleum/ Heavy metals/ Pollutants to waters	Excessive sediments in surface water	Elevated water temperature
			. •					•
Wildlife Habitat Planting	Windbreak-Shelterbelt		Riparian Herbaceous		Streambank and			
(ac)	Establishment (ft)		Cover (ac)		Shoreline Protection (ft)		Sediment Basin (no)	
			Road-Trail-Landing				Shallow Water	
Windbreak-Shelterbelt	Windbreak-Shelterbelt		Closure and Treatment				Development and	
Establishment (ft)	Renovation (ft)		(ft)		Stripcropping (ac)		Management (ac)	
Windbreak-Shelterbelt	Woody Residue		Roof Runoff Structure					
Renovation (ft)	Treatment (ac)		(no)		Terrace (ft)		Silvopasture (ac)	
Woody Residue								
Treatment (ac)			Saturated Buffer (ft)		Trails and Walkways		Spoil Disposal (cf)	
					Tree-Shrub Establishment			
1			Sediment Basin (no)		(ac)		Spring Development (no)	
			Shallow Water					
			Development and		Vegetated Treatment			
			Management (ac)		Area (ac)		Sprinkler System (ac)	
			Short Term Storage of					
			Animal Waste and				Stormwater Runoff	
			Byproducts		Vegetative Barrier (ft)		Control (ac)	
			Silvopasture (ac)		Vertical Drain (no)		Stream Crossing (no)	
							Stream Habitat	
					Waste Separation Facility		Improvement and	
			Sprinkler System (ac)		(no)		Management (ac)	
			Stormwater Runoff		Waste Storage Facility		Streambank and	
			Control (ac)		(no)		Shoreline Protection (ft)	
			Stream Crossing (no)		Waste Transfer (no)		Stripcropping (ac)	
			Streambank and				Structure for Water	
			Shoreline Protection (ft)		Waste Treatment (no)		Control (no)	
					Waste Treatment Lagoon			
			Stripcropping (ac)		(no)		Subsurface Drain (ft)	
							Surface Drain, Field Ditch	
			Terrace (ft)		Watering Facility (no)		(ft)	
			Tree-Shrub Establishment					
			(ac)		Wetland Creation (ac)		Surface Roughening (ac)	
					Wetland Enhancement			
			Tree-Shrub Pruning (ac)		(ac)		Terrace (ft)	
			Vegetated Treatment					
			Area (ac)		Wetland Restoration (ac)		Trails and Walkways	
					Wetland Wildlife Habitat		Tree-Shrub Establishment	
			Vegetative Barrier (ft)		Management (ac)		(ac)	
					Wildlife Habitat Planting		Upland Wildlife Habitat	
			Vertical Drain (no)		(ac)		Management (ac)	

All listed practices provide positive improvement to the resource concern based on NRCS Conservation Practice Potential Effects (CPPE)

Green highlighted practices can currently receive nutrient/sediment reduction credit in CAST (i.e., count towards TMDL progress as of Feb 2022--> NEIEN "release" status)

Yellow highlighted practices CANNOT currently receive nutirent/sediment reduction in credit in CAST (i.e., DO NOT count towards TMDL progress as of Feb 2022--> NEIEN "draft" status)

			INIC	s Resource Concerns (1	ypesi			
Sheet and rill erosion	Concentrated flow erosion	Excessive bank erosion	Excess nutrients in surface/ground water	Pesticides transported to surface/ground water	Excess pathogens/ chemicals from manure/ bio-solids/ compost	Petroleum/ Heavy metals/ Pollutants to waters	Excessive sediments in surface water	Elevated water temperature
							Vegetated Treatment	
			Waste Recycling (no)				Area (ac)	
			Waste Separation Facility					
			(no)				Vegetative Barrier (ft)	
			Waste Storage Facility					
			(no)				Vertical Drain (no)	
							Water and Sediment	
			Waste Transfer (no)				Control Basin (no)	
			Waste Treatment (no)				Watering Facility (no)	
			Waste Treatment Lagoon					
			(no)				Wetland Creation (ac)	
							Wetland Enhancement	
			Watering Facility (no)				(ac)	
			Waterspreading (ac)				Wetland Restoration (ac)	
			Wetland Creation (ac)				Wetland Wildlife Habitat Management (ac)	
			Wetland Enhancement				Wildlife Habitat Planting	
			(ac)				(ac)	
			Wetland Restoration (ac)				Windbreak-Shelterbelt Establishment (ft)	
			Wildlife Habitat Planting				Windbreak-Shelterbelt	
			(ac)				Renovation (ft)	
			Windbreak-Shelterbelt			·	Woody Residue	·
			Establishment (ft)				Treatment (ac)	
			Windbreak-Shelterbelt					
			Renovation (ft)					
20/66	20/66	17/40	33/95	22/59	29/81	19/52	33/95	12/19