			NAT	IONAL	RANKII	NG TEM	PLATE								
TEMPLATE NAME	DCDD CSD														
PROGRAM		RCPP-CSP RCPP-CSP													
INOUNAM								KCFF-CSI	L						
LAND USES	MODIFIERS (the modifiers- must be met and are not or but and)														
	Included		Included		Included		Included		Included		Included		Included		Included
Crop	✓	Grazed		Irrigated		Drained		Organic		Water Feature		Protected		Hayed	
Forest	✓	Grazed		Irrigated		Drained		Organic		Water Feature		Protected		Hayed	
Range	✓	Grazed		Irrigated		Drained		Organic		Water Feature		Protected		Hayed	
Pasture	✓	Grazed		Irrigated		Drained		Organic		Water Feature		Protected		Hayed	
Protected		Grazed		Irrigated		Drained		Organic		Water Feature		Protected		Hayed	
Farmstead	✓	Grazed		Irrigated		Drained		Organic		Water Feature		Protected		Hayed	
Developed Land		Grazed		Irrigated		Drained		Organic		Water Feature		Protected		Hayed	
Water		Grazed		Irrigated		Drained		Organic		Water Feature		Protected		Hayed	
Other Rural Land		Grazed		Irrigated		Drained		Organic		Water Feature		Protected		Hayed	
Associated Ag Land	✓	Grazed		Irrigated		Drained		Organic		Water Feature		Protected		Hayed	
Undetermined		Grazed		Irrigated		Drained		Organic		Water Feature		Protected		Hayed	
RESOURCE CONCERN CATEGORIES	Min%	Default	Max%	Included					Notes	(Reasons for In	clusions)				
Air Quality emissions	0	5	30	√											
Emmissions of airborne reactive nitrogen	0	20	50	\											
Emmissions of greenhouse gases - GHGs	0	20	50	V											
Emmissions of ozone precursors	0	20	50	√											
Emmissions of particulate matter (PM) and PM precursors	0	20	50	✓											
Objectionable odor	0	20	50	✓											
Total		100													
Aquatic Habitat	0	5	30	✓											
Aquatic habitat for fish and other organisms	0	50	100	✓											
Elevated water temperature	0	50	100	✓											
Total		100													
Concentrated Erosion	0	5	30	√											
Bank erosion from streams, shorelines, or water			1	√											
conveyances channels	0	30	50												
Classic gully erosion	0	40	50	√											
Ephemeral gully erosion	0	30	50	✓											
Total	U	100	30	<u>ٺ</u>											
Degraded Plant Condition	Λ		20												
	0	5	30	✓											
Plant productivity and health	0	50	100	<u> </u>											
Plant structure and composition	0	50	100	✓											
Total		100													
Field Sediment, Nutrient, and Pathogen Loss	0	10	30	<											

Nutrients transported to groundwater	0	20	50	/
Nutrients transported to surface water	0	20	50	√
Pathogens and chemicals from manure, biosolids, or		20	30	V
compost applications transported to groundwater	0	20	50	
Pathogens and chemicals from manure, biosolids, or	-		 	V
compost applications transported to surface water	0	20	50	_
Sediment transported to surface water	0	20	50	V
Total		100		
Field Pesticide Loss	0	10	30	V
Pesticides transported to groundwater	0	50	100	√
Pesticides transported to surface water	0	50	100	
Total	-	100		
Fire Management	0	5	30	V
Wildfire hazard from biomass accumulation	0	100	100	<u> </u>
Total		100		
Inefficient Energy Use	0	5	30	V
Energy efficient equipment and facilities	0	50	100	V
Energy efficient farming/ranching practices and field	<u> </u>			√
operations	0	50	100	
Total		100		
Livestock Production Limitation	0	5	30	V
Feed and forage balance	0	30	50	<u> </u>
Inadequate livestock shelter	0	30	50	7
Inadequate livestock water quantity, quality, and	Ť			√
distribution	0	40	50	
Total	<u> </u>	100	 	<u> </u>
Pest Pressure	0	5	30	V
Plant pest pressure	0	100	100	<u> </u>
Total	-	100		
Salt Losses to Water	0	5	30	V
Salt transported to groundwater	0	50	100	<u> </u>
Salt transported to surface water	0	50	100	□
Total		100	100	
Soil Quality Limitations	0	5	30	V
Aggregate instability	0	20	50	√
Compaction	0	20	50	V
Concentration of salts or other chemicals	0	10	50	✓
Organic matter depletion	0	20	50	V
Soil organism habitat loss or degradation	0	10	50	V
Subsidence	0	20	50	7
Total	U	100	30	
Source Water Depletion	0	100	30	[.7]
Groundwater depletion	0	30	50	✓ ✓
Groundwater depiction	U	30	30	✓

Inefficient irrigation water use	0	40	50	V			
Surface water depletion	0	30	50	7			
Total	<u> </u>	100					
Storage and Handling of Pollutants	0	5	30	V			
Nutrients transported to groundwater	0	20	50	√			
Nutrients transported to surface water	0	20	50	V			
Pesticides transported in surface water	0	20	50				
Petroleum, heavy metals, and other pollutants transported to				V			
groundwater	0	20	50				
Petroleum, heavy metals, and other pollutants transported to							
surface water	0	20	50	√			
Total		100					
Terrestrial Habitat	0	5	30	V			
Terrestrial habitat for wildlife and invertebrates	0	100	100	✓			
Total		100					
Weather Resilience	0	5	30	V			
Drifted snow	0	20	50	V			
Naturally available moisture use	0	20	50	V			
Ponding and flooding	0	20	50	V			
Seasonal high water table	0	20	50	V			
Seeps	0	20	50	V			
Total		100					
Wind and Water Erosion	0	5	30	V			
Sheet and rill erosion	0	50	100	V			
Wind erosion	0	50	100	V			
Total		100					
Long-term Protection of Land	0	0	0				
Threat of Conversion							
Loss of functions and values							
Total		0					
Resource Concern Categories Total		100					
Conservation Activities					List Activities (see tabs)		
Structural							
	Consequation Duration Lint						
Vegetative	Conservation Practice List						
Management	agement						
	Enhancement/Bundles List						
Enhancements							

Easement Practices			
RANKING COMPONENT WEIGHTS	Min%	Default	Max%
Vulnerabilities	5	5	10
Planned Practice Points	35	40	50
Resource Priorities	15	25	35
Program Priorities	15	20	35
Efficiency = (Planned Practice Points divided by Average			
Practice Cost)	10	10	10
To	al	100	

Practice Code	Practice Name
311	Alley Cropping
314	Brush Management
315	Herbaceous Weed Control
319	On-Farm Secondary Containment Facility
324	Deep Tillage
327	Conservation Cover
328	Conservation Crop Rotation
329	Residue and Tillage Management, No Till
333	Amending Soils with Gypsum Products
334	Controlled Traffic Farming
338	Prescribed Burning
340	Cover Crop
342	Critical Area Planting
345	Residue and Tillage management, Reduced till
348	Dam, Diversion
373	Dust Control on Unpaved Roads and Surfaces
374	Farmstead Energy Improvement
376	Field Operation Emissions Reduction
378	Pond
380	Windbreak/Shelterbelt Establishment
381	
	Silvopasture Establishment Fence
382 383	Fuelbreak
384	
386	Woody Residue Treatment Field Border
390 391	Riparian Herbaceous Cover Riparian Forest Buffer
393	Ā
394	Filter Strip Firebreak
395	
396	Stream Habitat Improvement and Management
	Aquatic Organism Passage
399	Fishpond Management Grade Stabilization Structure
410	
412	Grassed Waterway
422	Hedgerow
430	Irrigation Pipeline
441	Irrigation System, Microirrigation
442	Sprinkler system
443	Irrigation System, Surface and Subsurface
447	Irrigation System, Tailwater Recovery
449	Irrigation Water Management
462	Precision Land Forming
464	Irrigation Land Leveling
466	Land Smoothing
472	Access Control
484	Mulching

Practice Code	Practice Name
490	Tree/Shrub Site Preparation
511	Forage Harvest Management
512	Forage and Biomass Planting
516	Livestock Pipeline
528	Prescribed Grazing
533	Pumping Plant
550	Range Planting
554	Drainage Water Management
557	Row Arrangement
558	Roof Runoff Structure
561	Heavy Use Area Protection
570	Stormwater Runoff Control
574	Spring Development
576	Livestock Shelter Structure
578	Stream Crossing
580	Streambank and Shoreline Protection
587	Structure for Water Control
590	Nutrient Management
595	Integrated Pest Management
604	Saturated Buffer
605	Denitrifying Bioreactor
606	Subsurface Drain
610	Salinity and Sodic Soil Management
612	Tree/Shrub Establishment
614	Watering Facility
620	Underground Outlet
643	Restoration and Management of Rare and Declining Habitats
644	Wetland Wildlife Habitat Management
645	Upland Wildlife Habitat Management
646	Shallow Water Development and Management
647	Early Successional Habitat Development/Management
649	Structures for Wildlife
650	Windbreak/Shelterbelt Renovation
654	Road/Trail/Landing Closure and Treatment
655	Forest Trails and Landings
660	Tree/Shrub Pruning
666	Forest Stand Improvement
782	Phosphorus Removal System

Enhancement Code	Full Enhancement Name
E314A	Brush management to improve wildlife habitat
E315A	Herbaceous weed treatment to create desired plant communities consistent with the ecological site
E327A	Conservation cover for pollinators and beneficial insects
E327B	Establish Monarch butterfly habitat
E328A	Resource conserving crop rotation
E328B	Improved resource conserving crop rotation
E328C	Conservation crop rotation on recently converted CRP grass/legume cover
E328D	Leave standing grain crops unharvested to benefit wildlife
E328E	Soil health crop rotation
E328F	Modifications to improve soil health and increase soil organic matter
E328G	Crop rotation on recently converted CRP grass/legume cover for soil organic matter improvement
E328H	Conservation crop rotation to reduce the concentration of salts
E328I	Forage harvest to reduce water quality impacts by utilization of excess soil nutrients
E328J	Improved crop rotation to provide benefits to pollinators
E328K	Multiple crop types to benefit wildlife
E329A	No till to reduce soil erosion
E329B	No till to reduce tillage induced particulate matter
E329C	No till to increase plant-available moisture
E329D	No till system to increase soil health and soil organic matter content
E329E	No till to reduce energy
E334A	Controlled traffic farming to reduce compaction
E338A	Strategically planned, patch burning for grazing distribution and wildlife habitat
E338B	Short-interval burns to promote a healthy herbaceous plant community
E338C	Sequential patch burning
E340A	Cover crop to reduce soil erosion
E340B	Intensive cover cropping to increase soil health and soil organic matter content
E340C	Use of multi-species cover crops to improve soil health and increase soil organic matter
E340D	Intensive orchard/vineyard floor cover cropping to increase soil health
E340E	Use of soil health assessment to assist with development of cover crop mix to improve soil health
E340F	Cover crop to minimize soil compaction
E340G	Cover crop to reduce water quality degradation by utilizing excess soil nutrients
Е340Н	Cover crop to suppress excessive weed pressures and break pest cycles
E340I	Using cover crops for biological strip till
E345A	Reduced tillage to reduce soil erosion
E345B	Reduced tillage to reduce tillage induced particulate matter
E345C	Reduced tillage to increase plant-available moisture
E345D	Reduced tillage to increase soil health and soil organic matter content
E345E	Reduced tillage to reduce energy use
E374A	Install variable frequency drive(s) on pump(s)
E374B	Switch fuel source for pump motor(s)
E376A	Modify field operations to reduce particulate matter
E381A	Silvopasture to improve wildlife habitat
E382A	Incorporating "wildlife friendly" fencing for connectivity of wildlife food resources
E382B	Installing electrical fence offsets and wire for cross-fencing to improve grazing management

Enhancement Code	Full Enhancement Name
E383A	Grazing-maintained fuel break to reduce the risk of fire
E384A	Biochar production from woody residue
E386A	Enhanced field borders to reduce soil erosion along the edge(s) of a field
E386B	Enhanced field borders to increase carbon storage along the edge(s) of the field
E386C	Enhanced field borders to decrease particulate emissions along the edge(s) of the field
E386D	Enhanced field borders to increase food for pollinators along the edge(s) of a field
E386E	Enhanced field borders to increase wildlife food and habitat along the edge(s) of a field
E390A	Increase riparian herbaceous cover width for sediment and nutrient reduction
E390B	Increase riparian herbaceous cover width to enhance wildlife habitat
E391A	Increase riparian forest buffer width for sediment and nutrient reduction
E391B	Increase stream shading for stream temperature reduction
E391C	Increase riparian forest buffer width to enhance wildlife habitat
E393A	Extend existing filter strip to reduce water quality impacts
E395A	Stream habitat improvement through placement of woody biomass
E399A	Fishpond management for native aquatic and terrestrial species
E447A	Advanced Tailwater Recovery
E449A	Complete pumping plant evaluation for water savings
E449B	Alternated Wetting and Drying (AWD) of rice fields
E449C	Advanced Automated IWM – Year 2-5, soil moisture monitoring
E449D	Advanced Automated IWM – Year 1, Equipment and soil moisture or water level monitoring
E449E	Convert from Cascade to Furrow Irrigated Rice Production – reduce irrigation water consumption
E449F	Intermediate IWM— Year 1, Equipment with Soil or Water Level monitoring
E449G	Intermediate IWM— Years 2-5, Soil or Water Level monitoring
E472A	Manage livestock access to streams, ditches, and other waterbodies to reduce nutrients and pathogens to surface water
E484A	Mulching to improve soil health
E484B	Reduce particulate matter emissions by using orchard or vineyard generated woody materials as mulch
E484C	Mulching with natural materials in specialty crops for weed control
E511A	Harvest of crops (hay or small grains) using measures that allow desired species to flush or escape
E511B	Forage harvest management that helps maintain wildlife habitat cover, shelter or continuity
E512A	Cropland conversion to grass-based agriculture to reduce soil erosion
E512B	Forage and biomass planting to reduce soil erosion or increase organic matter to build soil heatlh
E512C	Cropland conversion to grass for soil organic matter improvement
E512D	Forage plantings that help increase organic matter in depleted soils
E512E	Forage and biomass planting that produces feedstock for biofuels or energy production.
E512F	Establishing native grass or legumes in forage base to improve the plant community
E512G	Native grasses or legumes in forage base
E512H	Forage plantings that enhance bird habitat cover and shelter or structure and composition
E512I	Establish pollinator and/or beneficial insect and/or monarch habitat
E512J	Establish wildlife corridors to provide habitat continuity or access to water
E528A	Maintaining quantity and quality of forage for animal health and productivity
E528B	Grazing management that improves monarch butterfly habitat
E528C	Incorporating wildlife refuge areas in contingency plans for wildlife.
E528D	Grazing management for improving quantity and quality of food or cover and shelter for wildlife

Enhancement Code	Full Enhancement Name
E528E	Grazing management for improving quantity and quality of plant structure and composition for wildlife
E528F	Stockpiling cool season forage to improve structure and composition or plant productivity and health
E528G	Improved grazing management on pasture for plant productivity and health with monitoring activities
E528H	Prescribed grazing to improve/maintain riparian and watershed function-elevated water temperature
E528I	Grazing management that protects sensitive areas -surface or ground water from nutrients
E528J	Prescribed grazing on pastureland that improves riparian and watershed function.
E528K	Improved grazing management for soil compaction on pasture through monitoring activities
E528L	Prescribed grazing that improves or maintains riparian and watershed function-erosion
E528M	Grazing management that protects sensitive areas from gully erosion
E528N	Improved grazing management through monitoring activities
E528O	Clipping mature forages to set back vegetative growth for improved forage quality
E528P	Implementing Bale or Swath Grazing to increase organic matter and reduce nutrients in surface water.
E528Q	Use of body condition scoring for livestock on a monthly basis to keep track of herd health
E528R	Management Intensive Rotational Grazing
E533A	Advanced Pumping Plant Automation
E533B	Complete pumping plant evaluation for energy savings
E550A	Range planting for increasing/maintaining organic matter
E550B	Range planting for improving forage, browse, or cover for wildlife
E570A	Enhanced rain garden for wildlife
E578A	Stream crossing elimination
E580A	Stream corridor bank stability improvement
E580B	Stream corridor bank stability improvement Stream corridor bank vegetation improvement
E590A	Improving nutrient uptake efficiency and reducing risk of nutrient losses
E590A E590B	Reduce risks of nutrient loss to surface water by utilizing precision agriculture technologies
E590C	Improving nutrient uptake efficiency and reducing risk of nutrient losses on pasture
E595A	Reduce risk of pesticides in surface water by utilizing precision pesticide application techniques
E595B	Reduce risk of pesticides in surface water by utilizing precision pesticide application techniques Reduce risk of pesticides in water and air by utilizing IPM PAMS techniques
E595D	
	Increase the size requirement of refuges planted to slow pest resistance to Bt crops
E595E	Eliminate use of chemical treatments to control pests and to increase the presence of dung beetles
E612A	Cropland conversion to trees or shrubs for long term improvement of water quality
E612B	Planting for high carbon sequestration rate
E612C	Establishing tree/shrub species to restore native plant communities
E612D	Adding food-producing trees and shrubs to existing plantings
E612E	Cultural plantings
E612F	Sugarbush management
E612G	Tree/shrub planting for wildlife food
E643A	Restoration of sensitive coastal vegetative communities
E643B	Creating native plant refugia
E643C	Restore glade habitat to benefit threatened and endangered species and state species of concern
E644A	Managing Flood-Irrigated Landscapes for Wildlife
E645A	Reduction of attractants to human-subsidized predators in sensitive wildlife species habitat
E645B	Manage existing shrub thickets to provide adequate shelter for wildlife
E645C	Edge feathering for wildlife cover
E646A	Close structures to capture and retain rainfall for waterfowl and wading bird winter habitat

Enhancement Code	Full Enhancement Name
E646B	Extend retention of captured rainfall for migratory waterfowl and wading bird late winter habitat
E646C	Manipulate vegetation and maintain closed structures for shorebird mid summer habitat
E646D	Manipulate vegetation and maintain closed structures for shorebird late summer habitat
E647A	Manipulate vegetation on field with captured rainfall for waterfowl and wading bird winter habitat
E647B	Provide early successional shorebird habitat between first crop and ratoon crop
E647C	Maintain most soil vegetation on cropland edges to enhance waterfowl and shorebird habitat
E647D	Establish and maintain early successional habitat in ditches and bank borders
E666A	Maintaining and improving forest soil quality
E666B	Converting loblolly and slash pine plantations to longleaf pine
E666C	Implementing sustainable practices for pine straw raking
E666D	Forest management to enhance understory vegetation
E666E	Reduce height of the forest understory to limit wildfire risk
E666F	Reduce forest stand density to create open stand structure
E666G	Reduce forest density and manage understory along roads to limit wildfire risk and improve habitat
Е666Н	Increase on-site carbon storage
E666I	Crop tree management for mast production
E666J	Facilitating oak forest regeneration
E666K	Creating structural diversity with patch openings
E666L	Forest Stand Improvement to rehabilitate degraded hardwood stands
E666M	Maintaining structural diversity in dry Western forests
E666N	Creating structural diversity in dry Western forests
E666O	Snags, den trees, and coarse woody debris for wildlife habitat
E666P	Summer roosting habitat for native forest-dwelling bat species
E666Q	Increase diversity in pine plantation monocultures
E666R	Forest songbird habitat maintenance

Bundle Code	Bundle Name
B000BFF1	Buffer Bundle#1
B000CPL10	YEAR 1 Irrigated Cropland (MRBI/Ogallala)
B000CPL11	YEAR 2+ Irrigated Cropland (MRBI/Ogallala)
B000CPL12	Non-Irrigated Precision Ag (MRBI)
B000CPL13	Non-Irrigated Cropland (MRBI)
B000CPL14	YEAR 1 Irrigated Precision Ag Cropland (MRBI)
B000CPL15	YEAR 2+ Irrigated Precision Ag Cropland (MRBI)
B000CPL16	Non-Irrigated Cropland with Water Bodies (MRBI)
B000CPL17	Non-Irrigated Cropland with Water Bodies Riparian Forest Buffer (MRBI)
B000CPL18	Crop Bundle #18 - Precision Ag
B000CPL19	Crop Bundle #19 - Soil Health Precision Ag
B000CPL20	Crop Bundle #20 - Soil Health Assessment
B000CPL21	Crop Bundle #21 - Crop Bundle (Organic)
B000CPL22	Crop Bundle #22 - Erosion Bundle (Organic)
B000FST1	Forest Bundle#1
B000LLP1	Longleaf Pine Bundle#1
B000LLP2	Longleaf Pine Bundle#2
B000LLP3	Longleaf Pine Bundle#3
B000LLP4	Longleaf Pine Bundle#4
B000LLP5	Longleaf Pine Bundle#5
B000GRZ1	Grazing Bundle 1 - Range and Pasture
B000GRZ2	Grazing Bundle 2 - Range and Pasture
B000GRZ3	Grazing Bundle 3 - Range and Pasture
B000GRZ4	Grazing Bundle 4 - Range and Pasture
B000GRZ5	Grazing Bundle 5 - Range and Pasture
B000PST5	Pasture Bundle 5
B000RNG4	Range Bundle 4