Application Ranking Summary
Palmer River Watershed

National Priorities Addressed

Issue Questions	Responses
If the application is for development of a Conservation Activity Plan (CAP), the agency will assign significant ranking priority and conservation benefit by answering “Yes” to the following question. Answering “Yes” to question 1a will result in the application being awarded the maximum amount of points that can be earned for the national priority category.	
1. a. Is the program application to support the development of a Conservation Activity Plan (CAP)? If answer is “Yes”, do not answer any other national level questions. If answer is “No”, proceed with evaluation to address the remaining questions in this section.	250 Point(s)
Clean and Abundant Water: Water Quality - Will the proposed project assist the producer to:	
2. a. Meet regulatory requirements relating to animal feeding operations, or proactively avoid the need for regulatory measures?	15 Point(s)
2. b. Reduce sediment, nutrients or pesticides from agricultural operations located within a field that adjoins a designated "impaired water body" (TMDL, 303d, etc.)?	15 Point(s)
2. c. Reduce sediment, nutrients or pesticides from agricultural operations located within a field that adjoins a "non-impaired water body"?	5 Point(s)
Clean and Abundant Water: Water Conservation - Will the proposed project assist the producer implement conservation practices which:	
3. a. Decrease aquifer overdraft?	15 Point(s)
3. b. Conserve water from irrigation system improvements and saved water will be available for other beneficial uses?	10 Point(s)
3. c. Conserve water in an area where the applicant participates in a geographically established or watershed-wide project?	5 Point(s)
Clean Air: Treatment of air quality from agricultural sources - Will the proposed project assist the producer to implement practice(s) which:	
4. a. Meet on-farm regulatory requirements relating to air quality or proactively avoid the need for regulatory measures?	15 Point(s)
4. b. Reduce on-farm generated green house gases such as CO2 (Carbon Dioxide), CH4 (Methane), and N2O (Nitrous Oxide)?	15 Point(s)
4. c. Increase on-farm carbon sequestration?	5 Point(s)
Soil Health: Will the proposed project assist the producer to implement practice(s) which:	
5. a. Reduce erosion to tolerable limits (Soil "T")?	15 Point(s)
5. b. Improve soil tilth, organic matter, structure, health, etc.?	5 Point(s)
Healthy Plant and Animal Communities Wildlife Habitat Conservation - Will the proposed project assist the producer to implement practice(s) which:	
6. a. Benefit on-farm habitat associated with threatened and endangered, at-risk, candidate, or species of concern as identified in a State wildlife plan?	15 Point(s)
6. b. Help retain wildlife and plant habitat on land exiting the Conservation Reserve Program (CRP)?	10 Point(s)
High Quality, Productive Soils, Healthy Plant and Animal Communities: Will the proposed project assist the producer implement practices which:	
7. a. Help manage or control noxious or invasive plant species on non-cropland?	10 Point(s)
7. b. Increase, or improve habitat to benefit pollinator or other targeted wildlife species?	10 Point(s)
7. c. Properly dispose of livestock carcasses?	5 Point(s)

7. d. Are identified in an Integrated Pest Management plan?	10 Point(s)
7. e. Are identified in a Nutrient Management plan?	10 Point(s)
7. f. Apply principles of adaptive nutrient management?	5 Point(s)
Energy Conservation - Will the proposed project assist the producer to implement practices which:	
8. a. Reduce energy consumption on the agricultural operation?	15 Point(s)
8. b. Increase on-farm energy efficiency with practices and improvements identified in an approved energy audit equivalent to criteria required in Ag EMP?	10 Point(s)
8. c. Assist in implementing energy conservation measures that also reduce greenhouse gas emissions and other air pollutants?	10 Point(s)
Business Lines - Conservation Implementation Additional Ranking Considerations - Will the proposed project result in:	
9. a. Implementation of all conservation practices scheduled in the contract on the CPA-1155 within three years of date of obligation?	10 Point(s)
9. b. Improvement of existing conservation practices or conservation systems already in place at the time the application is accepted?	5 Point(s)
9. c. Implementation of practice(s) which will complete an existing conservation system or suite of practices?	5 Point(s)

State Issues Addressed

Issue Questions	Responses
Water Quality -- EPA Watersheds:	
1. Does the application include core conservation practices that will be implemented within 1/4 mile of a stream or water body that is threatened (i.e., receives significant runoff of excess nitrogen and/or phosphorous), on the EPA 303(d) list, or is impaired with a TMDL in place and therefore not on the 303(d) list (or other critical stream or water body authorized by the Regional Conservationist)?	100 Point(s)
Geographic Impacts:	
2. Are core conservation practices planned on the offered acres: i. Greater than 75% of the4 offered acres are within the targeted watershed AND ii. Greater than 75% of the offered acres have a core conservation practice for application	125 Point(s)
Collaborative Efforts:	
3. Are core conservation practices planned within an existing State agency or other non-USDA water quality project area addressing the same or similar pollutants?	75 Point(s)
Effort to address watershed impairments:	
4. Does this program application include the implementation of a system of conservation practices which address the primary watershed impairments?	50 Point(s)
High Risk Soils:	
5. Are core conservation practices to be implemented on offered acres with a majority of soil types that are classified hydrologic group D (high runoff) or group A (high infiltration)?	50 Point(s)

Local Issues Addressed

Issue Questions	Responses
IMPAIRED WATERS: Will the proposed project assist the producer to:	
1. a. Improve water quality in the PALMER RIVER WATERSHED -- 303D listed IMPAIRED WATER (within ¼ mile up-gradient of the designated waters)?	50 Point(s)

1. b. Improve the quality of DRINKING WATER: (MADEP Surface Water Zones A-B (within zone, up-gradient), Groundwater Zones 1-2 or IWPAs (within zone)), and RIDEM Kickemuit Reservoir in WPA 3 for drinking water piped from SHAD FACTORY POND?	70 Point(s)
1. c. Implement practices to address agricultural runoff impacting Rhode Island SHELLFISH GROWING AREA CLOSURES?	50 Point(s)
1. d. Improve the quality of OTHER WATER, including surface water, aquifers and wells (within 300' up-gradient of surface water or within groundwater zone)?	15 Point(s)
ADDRESSING IMPAIRMENTS – Will the proposed project assist the producer to:	
2. a. Implement practices to address agricultural sources and transport of NITROGEN and PHOSPHOROUS (Low Disolved Oxygen and Excessive Algae Growth impairments)?	70 Point(s)
2. b. Implement practices to address ANIMAL WASTE related sources and transport of PATHOGENS, ORGANICS and NUTRIENTS?	70 Point(s)
2. c. Implement practices to address agricultural sources and transport of SEDIMENT and TURBIDITY in surface water?	50 Point(s)
2. d. Implement practices to address agricultural sources and transport of PESTICIDES in surface and groundwater?	30 Point(s)
2. e. Implement practices to address HIGH TEMPERATURES of surface water?	20 Point(s)
Other Considerations – Does the applicant meet the following conditions:	
3. a. The applicant has CANCELLED two or more Conservation Program Contract funded through the 2002 or 2008 Farm Bill?	-25 Point(s)
3. b. The applicant is currently OUT OF COMPLIANCE on an active conservation program contract?	-50 Point(s)
3. c. NRCS has TERMINATED a conservation program contract held by the applicant for non-compliance or cause?	-100 Point(s)

National Water Quality Incentives - Palmer River Watershed

Approved Conservation Practice List - FY 2014

Code	Practice	Unit
472	Access Control	Ft
560	Access Road	LnFt
309	Agrichemical Handling Facility	SqFt
316	Animal Mortality Facility	SqFt
575	Animal Trail or Walkway	SqFt
314	Brush Management	Ac
317	Composting Facility	SqFt
327	Conservation Cover	Ac
328	Conservation Crop Rotation	Ac
330	Contour Farming	Ac
340	Cover Crop	Ac
342	Critical Area Planting	Ac
362	Diversion	LnFt
382	Fence	Ft
386	Field Border	Ac
393	Filter Strip	Ac
512	Forage and Biomass Planting	Ac
511	Forage Harvest Management	Ac
410	Grade Stabilization Structure	Ea
412	Grassed Waterway	SqFt
561	Heavy Use Area Protection	SqFt
315	Herbaceous Weed Control	Ac
595	Integrated Pest Management	Ac
430	Irrigation Pipeline	Lb
441	Irrigation System, Microirrigation	Ac
442	Irrigation System, Sprinkler	LnFt
443	Irrigation System, Surface and Subsurface	SqFt
449	Irrigation Water Management	Ea
468	Lined Waterway or Outlet	SqFt

Code	Practice	Unit
516	Livestock Pipeline	LnFt
590	Nutrient Management	Ac
582	Open Channel	CuYd
528	Prescribed Grazing	Ac
533	Pumping Plant	HP
329	Residue & Tillage Management - No-Till	Ac
345	Residue & Tillage Management - Reduced Till	Ac
643	Restoration and Management of Rare and Declining Habitats	Ac
391	Riparian Forest Buffer	Ac
558	Roof Runoff Structure	LnFt
367	Roofs and Covers	SqFt
574	Spring Development	Ea
578	Stream Crossing	SqFt
395	Stream Habitat Improvement & Mgt	CuYd
580	Streambank and Shoreline Protection	SqFt
585	Stripcropping	Ac
587	Structure for Water Control	Ft
606	Subsurface Drain	Ft
600	Terrace	Ft
612	Tree & Shrub Establishment	Ac
635	Vegetated Treatment Area	Ac
313	Waste Storage Facility	CuFt
634	Waste Transfer	Ft
629	Waste Treatment	Ea
638	Water & Sediment Control Basin	CuYd
642	Water Well	Ea
614	Watering Facility	Ea
355	Well Water Testing	Ea
380	Windbreak/Shelterbelt Establishment	Ft

Practice Code	Practice Name	Scenario	Payment Unit	Unit Cost	HU Unit Cost
309	Agrichemical Handling Facility	Concrete Pad for mixing and loading	SqFt	$8.79	$10.55
		Greenhouse, Pallet Drum Storage and Poly Pad for Handling		$15.03	$18.04
313	Waste Storage Facility	Above Ground Steel/Concrete upto 25K ft3 Storage	CuFt	$5.07	$6.09
		Above Ground Steel/Concrete 25 to 100K ft3 Storage	CuFt	$1.93	$2.32
		Above Ground Steel/Concrete 100 to 200K ft3 Storage	CuFt	$1.53	$1.83
		Above Ground Steel/Concrete over 200K ft3 Storage	CuFt	$1.59	$1.90
		Bedded Pack, Concrete Wall, Concrete Floor	SqFt	$13.77	$16.53
		Bedded Pack, Concrete Wall, Gravel Floor	SqFt	$11.51	$13.81
		Bedded Pack, Timber Wall, Concrete Floor	SqFt	$6.29	$7.55
		Bedded Pack, Timber Wall, Gravel Floor	SqFt	$4.08	$4.89
		Conc Tank, buried upto 15K ft3 Storage	CuFt	$2.60	$3.12
		Conc Tank, Buried 15 to 25K ft3 Storage	CuFt	$1.95	$2.34
		Conc Tank, Buried 25 to 50K ft3 Storage	CuFt	$1.86	$2.23
		Conc Tank, Buried 50 to 75K ft3 Storage	CuFt	$1.38	$1.66
		Conc Tank, Buried 75 to 110K ft3 Storage	CuFt	$1.19	$1.43
		Conc Tank, Buried over 110K ft3 Storage	CuFt	$1.15	$1.38
		Concrete Block, Rectangular, Without Roof	CuFt	$1.71	$2.05
		Concrete Stacking Slab with Curb	SqFt	$6.70	$8.04
		Concrete Stacking Slab without Curb	SqFt	$4.43	$5.31
		Concrete, Rectangular, With Concrete Top	CuFt	$6.37	$7.65
		Concrete, Rectangular, With Roof	CuFt	$2.81	$3.38
		Concrete, Rectangular, Without Roof upto 35K ft3 Storage	CuFt	$2.46	$2.95
		Concrete, Rectangular, Without Roof over 35K ft3 Storage	CuFt	$1.79	$2.15
		Earthen Storage Facility upto 50K ft3 Storage	CuFt	$0.27	$0.32
		Earthen Storage Facility over 50K ft3 Storage	CuFt	$0.22	$0.26
		Plastic Tank	CuFt	$8.74	$10.48
314	Brush Management	Brush Hog	Ac	$105.45	$126.54
		Chemical Moderate		$302.65	$363.19
		Chemical Moderate & Followup		$415.17	$498.20
		Chemical Difficult Control		$599.13	$718.96
		Chemical, Difficult & Followup		$814.86	$977.83
		Light Mechanical		$387.02	$464.42
		Medium Mechanical		$639.68	$767.62
		Heavy Mechanical		$799.18	$959.02
		Mechanical Chemical		$473.71	$568.46
		Manual, Hand tools		$66.58	$79.89
		Manual, Hand tools & Followup		$86.03	$103.24
315	Herbaceous Weed Control	Low Density	Ac	$54.25	$65.11
		Low Density with Follow Up		$97.13	$116.56
		Moderate Density		$212.50	$255.00
		Moderate Density with Follow Up		$345.24	$414.28
		Intensive		$575.31	$690.37
		High Density with Follow Up		$708.05	$849.66
316	Animal Mortality Facility	Static pile, Concrete Bin(s)	SqFt	$10.19	$12.23
		Static pile, Concrete Pad		$3.80	$4.57
		Static pile, Gravel pad		$1.82	$2.19
		Static pile, Wood Bin(s)		$10.40	$12.48
317	Composting Facility	Composter, conc block bins	SqFt	$11.78	$14.14
		Composter, concrete bins		$17.47	$20.97
		Composter, Drum		$147.12	$176.54
		Composter, gravel pad		$1.73	$2.08
		Composter, timber bins		$14.74	$17.68
		Composter, windrow, asphalt		$2.94	$3.53
		Composter, windrow, concrete		$3.87	$4.64
		Introduced, Cool-Season		$165.06	$198.07
		Introduced, Cool-Season, Foregone Income		$478.57	$511.58
		Introduced, Cool-Season, Organic		$144.12	$172.95

Massachusetts FY 2014 EQIP
Palmer River Watershed
Payment Schedule

Practice Code	Practice Name	Scenario	Payment Unit	Unit Cost	HU Unit Cost
327	Conservation Cover	Introduced, Cool-Season, Organic, Foregone Income	Ac	$457.63	$486.46
		Native, Warm Season		$382.62	$459.14
		Native, Warm-Season, Foregone Income		$743.16	$819.68
		Pollinator Habitat		$444.12	$532.94
		Intensive Pollinator Habitat		$774.64	$929.56
328	Conservation Crop Rotation	Agronomic Rotation	Ac	$19.12	$22.94
		Agronomic Rotation with Foregone Income		$145.88	$165.00
		Organic Rotation		$38.24	$45.89
		Organic Specialty Crops		$254.94	$305.93
		Organic Specialty Crops with foregone income		$530.26	$581.24
		Specialty Crops		$84.98	$101.98
		Specialty Crops with Foregone Income		$350.81	$367.81
329	Residue and Tillage Management No-Till	No-Till/Strip-Till	Ac	$13.28	$15.94
330	Contour Farming	Contour Farming	Ac	$12.04	$14.44
340	Cover Crop	Interseed	Ac	$36.28	$43.53
		Legume - Soil Health		$77.68	$93.21
		Organic Legume - Soil Health		$93.07	$111.69
		Single Species		$62.44	$74.93
		Single Species Organic		$77.96	$93.56
		Soil Health 5 species		$70.11	$84.13
342	Critical Area Planting	Cool Season	Ac	$365.98	$439.17
		Cool Season, Extra Site Preparation		$893.89	$1,072.67
		Hydroseeding		$1,102.07	$1,322.49
		Hydroseeding, Extra Site Preparation		$1,578.31	$1,893.97
345	Residue and Tillage Management Reduced Till	Reduced Till-Basic	Ac	$34.58	$41.50
355	Well Water Testing	Basic Water Test	Ea	$38.09	$45.71
		Full Spectrum Test		$183.42	$220.10
		Specialty Water Test		$150.60	$180.72
362	Diversion	Diversion	LnFt	$4.07	$4.88
366	Anaerobic Digester	Small Complete Mix upto 1000 AU	AU	$1.24	$1.48
		Small Plug Flow upto 1000 AU		$1.41	$1.69
		Medium Complete Mix 1000 to 2500 AU		$0.88	$1.06
367	Roofs and Covers	Fabric Roof with Concrete Foundation	SqFt	$10.25	$12.30
		Fabric Roof with No Foundation		$5.51	$6.62
		Fabric Roof with Timber Foundation		$9.22	$11.06
		Permeable Composite or Inorganic Cover		$5.65	$6.78
		Pump Building with Concrete Foudation upto 300 SF		$36.50	$43.80
		Pump Building with No Foudation upto 300 SF		$9.34	$11.21
		Steel Frame and Cover with Concrete Foundation		$11.61	$13.93
		Timber Framed Roof with Concrete Foundation		$12.18	$14.61
		Timber Framed Roof with No Foundation		$6.26	$7.51
		Timber Framed Roof with Timber Foundation		$8.81	$10.57
380	Windbreak/Shelterbelt Establishment	1 row windbreak, shrubs, hand planted	Ft	$0.43	$0.52
		1 row windbreak, trees, hand planted		$0.22	$0.26
382	Fence	2-4 Wire Electrified, High Tensile	Ft	$2.10	$2.52
		5-6 Wire, Electrified, High Tensile		$2.41	$2.89
		Barbed Wire		$2.54	$3.05
		Chain Link/Safety		$10.96	$13.16
		Confinement		$7.52	$9.02
		Interior, electrified		$1.02	$1.22
		Portable		$0.47	$0.56
		Woven Wire		$3.44	$4.13
		Field Border, Introduced		$150.04	$180.04
		Field Border, Introduced, Inc Forgone		$463.55	$493.55
		Field Border-Native		$244.45	$293.34

Practice Code	Practice Name	Scenario	Payment Unit	Unit Cost	HU Unit Cost
386	Field Border	Field Border-Native, Inc Forgone	Ac	$557.96	$606.85
		Field Border-Organic Seed		$154.92	$185.90
		Field Border-Organic Seed, Inc Forgone		$468.43	$499.41
		Field Border-Pollinator		$437.18	$524.62
		Field Border-Pollinator, Inc Forgone		$750.69	$838.13
		Field Border-Tree		$458.79	$550.55
		Field Border-Tree, Inc. Forgone		$772.30	$864.06
391	Riparian Forest Buffer	Bare Root, All Shelters	Ac	$1,912.81	$2,295.38
		Bare Root, Half Shelters		$1,674.69	$2,009.63
		Bare Root, No Shelters		$1,436.56	$1,723.88
		Small Container		$5,159.01	$6,190.81
393	Filter Strip	Filter Strip, Introduced species	Ac	$150.04	$180.04
		Introduced Species Filter Strip w/ Land Shaping		$500.65	$600.79
		Filter Strip, Introduced Species w/ Land Shaping: Forgone Income		$814.16	$914.30
		Filter Strip, Introduced species: Forgone Income		$463.55	$493.55
		Filter Strip, Organic Introduced species		$127.54	$153.04
		Filter Strip, Organic Introduced species: Forgone Income		$441.05	$466.55
		Organic Introduced Species Filter Strip w/Land Shaping		$478.15	$573.79
		Organic Introduced Species Filter Strip w/Land Shaping: Forgone Income		$777.72	$870.57
395	Stream Habitat Improvement	Boulder Placement	CuYd	$210.55	$252.66
		Complex Stream Structure	CuYd	$438.77	$526.52
		Conifer Tree Revetment	CuYd	$51.85	$62.22
		Constructed Log Jam	CuYd	$68.17	$81.80
		Instream rock placement	Ac	$11,193.28	$13,431.93
		Instream wood placement	Ac	$12,657.78	$15,189.34
		Riparian Zone Improvement-Forested	Ac	$7,913.85	$9,496.62
		Rock and wood structures	Ac	$22,233.51	$26,680.21
		Stream Restoration - Low	Ac	$91,193.25	$109,431.90
		Stream Restoration - Moderate	Ac	$135,719.30	$162,863.10
		Stream Restoration - High	Ac	$219,551.30	$263,461.50
410	Grade Stabilization Structure	Catch Basin and Pipe =< 24 inch	Ea	$4,836.18	$5,803.42
		Catch Basin and Pipe >24 inch	Ea	$8,404.68	$10,085.62
		Check Dams	Ton	$46.73	$56.07
		Pipe Drop, Plastic	SqFt	$23.10	$27.72
		Pipe Drop, Steel	SqFt	$17.84	$21.41
		Rock Chute	CuYd	$70.64	$84.76
412	Grassed Waterway	Base Waterway	SqFt	$0.19	$0.22
430	Irrigation Pipeline	HDPE (Iron Pipe Size & Tubing) 10in or more diameter	Lb	$3.25	$3.90
		HDPE (Iron Pipe Size & Tubing) 8in or less diameter		$3.97	$4.76
		PVC (Iron Pipe Size) 10in or more diameter		$1.46	$1.75
		PVC (Iron Pipe Size) 10in or more diameter with 4 in sand bedding		$1.48	$1.78
		PVC (Iron Pipe Size) 8in or less diam		$2.26	$2.71
		PVC (Iron Pipe Size) 8in or less diameter with 4in sand bedding		$2.42	$2.90
		Surface HDPE (Iron Pipe Size & Tubing)		$3.84	$4.61
		Automated Surface Drip Tape with Media Filter	Ac	$903.92	$1,084.71
		Automated Surface Permanent PE Tube with Media Filter Laterals 9 ft oc	Ac	$4,383.41	$5,260.09
		Automated Surface Permanent PE Tube with Media Filter Laterals 14 ft oc	Ac	$3,134.53	$3,761.43
		Greenhouse Irrigation	SqFt	$0.82	$0.98
		Microjet with Filter	Ac	$1,943.25	$2,331.90

Practice Code	Practice Name	Scenario	Payment Unit	Unit Cost	HU Unit Cost
441	Irrigation System, Microirrigation	Surface Drip Tape with Disk Filter	Ac	$928.44	$1,114.12
		Surface Drip Tape with Media Filter	Ac	$812.14	$974.57
		Surface Permanent PE Tube with Disk Filter Laterals 9 ft oc	Ac	$4,407.93	$5,289.51
		Surface Permanent PE Tube with Disk filter laterals 14 ft oc	Ac	$3,159.04	$3,790.85
		Surface Permanent PE tube with Media Filter Laterals 9 ft oc	Ac	$4,291.63	$5,149.96
		Surface Permanent PE Tube with Media Filter Laterals 14 ft oc	Ac	$3,042.74	$3,651.29
442	Irrigation System, Sprinkler	Center Pivot System < or =1000 LF	LnFt	$61.63	$73.96
		Center Pivot System > 1000 LF	LnFt	$56.58	$67.89
		Center Pivot or Linear Move Renozzling < or= 1,000 LF	LnFt	$5.02	$6.02
		Center Pivot or Linear Move Renozzling > 1000 LF	LnFt	$4.41	$5.29
		Cranberry Replace	Ac	$4,121.90	$4,946.29
		Cranberry Retrofit	Ac	$797.84	$957.41
		Lateral Move System < or = 1000 LF	LnFt	$86.05	$103.26
		Lateral Move System > 1000 LF	LnFt	$77.34	$92.81
		Pod System	Ea	$180.62	$216.74
		Solid Set System	Ac	$3,350.55	$4,020.66
		Traveling Gun System, < 2" Hose	Ea	$9,029.25	$10,835.10
		Traveling Gun System, 2 inch to 3 inch Hose	Ea	$16,374.51	$19,649.41
		Traveling Gun System, > 3 inch Hose	Ea	$32,398.11	$38,877.73
443	Irrigation System, Surface and Subsurface	Flood (Ebb and Flow) Bench Irrigation	SqFt	$3.04	$3.64
		Flood Floor Irrigation		$3.88	$4.66
449	Irrigation Water Management	Cranberry Auto Start	Ea	$4,732.56	$5,679.08
		Basic IWM > 30 acres	Ac	$9.35	$11.22
		Basic IWM ≤ 30 acres	Ac	$25.49	$30.59
		Intermediate IWM > 30 acres	Ac	$11.99	$14.38
		Intermediate IWM ≤ 30 acres	Ac	$33.99	$40.79
		Advanced IWM > 30 acres	Ac	$14.62	$17.55
		Advanced IWM ≤ 30 acres	Ac	$42.49	$50.99
		Soil Moisture Sensors with Data Recorder_1stYear	Ea	$1,317.96	$1,581.55
		Soil Moisture Sensors_1st Year	Ea	$1,004.66	$1,205.59
468	Lined Waterway or Outlet	Concrete	SqFt	$3.81	$4.58
		Concrete Block	SqFt	$3.47	$4.17
		Geocell	SqFt	$3.52	$4.22
		Membrane	SqFt	$4.88	$5.85
		Riprap	CuYd	$59.14	$70.97
		Turf Reinforced Matting	SqFt	$0.59	$0.71
472	Access Control	Animal exclusion from sensitive areas	Ft	$1.71	$2.05
		Forest/Farm Access Control	Ft	$0.16	$0.19
		Navigational Delineation	Ea	$533.51	$640.22
		Trails/Roads Access Control	Ea	$540.33	$648.40
512	Forage and Biomass Planting	Cool Season, Establish or Reseed	Ac	$344.48	$413.37
		Cool Season, Establish or Reseed, Foregone Income		$596.49	$665.38
		Cool Season, Establish or Reseed, Organic		$430.28	$516.33
		Cool Season, Establish or Reseed, Organic, Foregone Income		$729.32	$815.37
		Overseed-Frost Seed		$58.91	$70.69
		Overseed-Frost Seed, Organic		$107.49	$128.98
		Warm Season, Native, Establish or Reseed		$445.25	$534.30
		Warm Season, Native, Establish or Reseed, Foregone Income		$697.26	$786.31
		PE Pipe ≤ 1 in. Dia., Buried 4 ft Deep		$1.70	$2.04
		PE Pipe ≤ 1 in. Dia., Buried 4ft Deep w/sand bedding		$3.40	$4.08
		PE Pipe ≤ 1in. Dia., Above Ground		$0.97	$1.16

Practice Code	Practice Name	Scenario	Payment Unit	Unit Cost	HU Unit Cost
516	Livestock Pipeline	PE Pipe ≤ 1in. Dia., Buried 2ft Deep	LnFt	$1.46	$1.75
		1 to 2 in PE Pipe Dia., Buried 4 ft Deep		$2.60	$3.11
		1 to 2 in. Dia. PE Pipe, Buried 4ft Deep, sand bedding		$4.29	$5.15
		1 to 2in. Dia. PE Pipe, Above Ground		$1.86	$2.23
		1 to 2in. Dia. PE Pipe , Buried 2ft Deep		$2.36	$2.83
		PE Pipe >= 2 in. Dia., Buried 4ft Deep		$3.41	$4.09
		PE Pipe >= 2in. Dia., Buried 2ft Deep		$3.17	$3.80
		PE Pipe >= 2in Dia., Buried 4ft Deep, sand bedding		$5.11	$6.13
		PE Pipe >= 2in. Dia., Above Ground		$2.87	$3.44
528	Prescribed Grazing	Animals Rotated Intensively -- Daily or Twice Daily	Ac	$99.28	$119.13
		Animals Rotated Weekly		$26.87	$32.24
		Animals Rotated Twice Weekly		$84.96	$101.95
		Deferred Management		$41.34	$44.11
533	Pumping Plant	Electric-Powered Pump upto 3 Hp	HP	$1,069.17	$1,283.00
		Electric-Powered Pump upto 3 HP with Pressure Tank	HP	$1,393.26	$1,671.92
		Electric-Powered Pump 3 to 10 HP	HP	$532.52	$639.02
		Electric-Powered Pump 3 to 10 HP with Pressure Tank	HP	$593.66	$712.39
		Electric-Powered Pump 10 to 40 HP	HP	$378.87	$454.64
		Electric-Powered Pump over 40 HP	HP	$233.23	$279.88
		Hollow Piston Manure Pump	Ea	$19,822.63	$23,787.16
		Internal Combustion-Powered Pump upto 7½ HP	HP	$486.88	$584.25
		Internal Combustion-Powered Pump 7½ to 75 HP	HP	$484.20	$581.04
		Internal Combustion-Powered Pump over 75 HP	HP	$293.32	$351.99
		Livestock Nose Pump	Ea	$971.38	$1,165.65
		Manure PTO Vertical Shaft Pump	Ea	$10,040.76	$12,048.91
		Photovoltaic-Powered Pump 0.25 HP	Ea	$2,839.63	$3,407.56
		Photovoltaic-Powered Pump 0.5 to 1.0 HP	Ea	$5,806.11	$6,967.33
		Photovoltaic-Powered Pump 1.5 HP	Ea	$7,796.86	$9,356.23
		PTO Lagoon Trailer Pump	Ea	$10,134.68	$12,161.62
		PTO Side Mounted upto 50,000 CF	Ea	$1,144.95	$12,351.31
		PTO Side Mounted over 50,000 CF	Ea	$10,292.76	$1,373.94
		Solid Piston Manure Pump	Ea	$32,919.77	$39,503.72
		Solids Handling Waswater Pump upto 2Hp	Ea	$2,937.50	$3,524.99
		Solids Handling Waswater Pump over 2Hp	Ea	$5,657.30	$6,788.76
		Tractor Power Take Off (PTO) Pump	HP	$138.32	$165.98
		Variable Frequency Drive over 10 HP	HP	$161.28	$193.54
558	Roof Runoff Structure	Concrete Swale	LnFt	$13.55	$16.26
		Roof Gutter, Small		$5.50	$6.60
		Roof Gutter, Large		$22.48	$26.97
		Trench Drain		$10.53	$12.63
560	Access Road	New 12 inch gravel road in wet, level terrain	LnFt	$18.83	$22.59
		New 12 inch gravel road in wet, sloped terrain		$21.90	$26.27
		New earth road in dry, level terrain.		$6.44	$7.72
		New earth road in dry, sloped terrain		$8.97	$10.76
		New geocell road in wet, level terrain		$56.84	$68.20
		New geocell road in wet, sloped terrain		$59.91	$71.89
		Rehabilitation of existing earth road in dry, level terrain		$2.99	$3.59
		Rehabilitation of existing earth road in wet, sloped terrain		$3.72	$4.46
		Rehabilitation of existing road using geocell in wet, level terrain		$18.52	$22.23
		Rehabilitation of existing road using geocell in wet, sloped terrain		$19.44	$23.33

Practice Code	Practice Name	Scenario	Payment Unit	Unit Cost	HU Unit Cost
		Rehabilitation of existing road using gravel in wet, level terrain		$7.12	$8.54
		Rehabilitation of existing road using gravel in wet, sloped terrain		$8.04	$9.65
561	Heavy Use Area Protection	Asphalt	SqFt	$4.62	$5.54
		Concrete with Curb upto 1000 SF	SqFt	$10.95	$13.14
		Concrete with Curb over 1000 SF	SqFt	$6.70	$8.04
		Concrete without Curb upto 1000 SF	SqFt	$4.60	$5.52
		Concrete without Curb over 1000 SF	SqFt	$3.65	$4.38
		Curb with Footer	LnFt	$51.96	$62.35
		Curb without Footer	LnFt	$23.25	$27.90
		Gravel - Pad	SqFt	$2.79	$3.35
		Gravel - Walkway	SqFt	$1.56	$1.87
574	Spring Development	Perforated Well Tile	Ea	$1,614.00	$1,936.80
		Solid Well Tile & Pipe		$3,407.03	$4,088.43
575	Animal Trail or Walkway	Natural Trail or Walkway	SqFt	$0.33	$0.39
578	Stream Crossing	Bridge with a span of less than or equal to 14 feet	SqFt	$51.58	$61.90
		Bridge with cast in place abutments, span > 14 feet	LnFt	$1,797.12	$2,156.54
		Bridge with precast abutments, span > 14 feet	LnFt	$1,421.49	$1,705.79
		Bridge, prefabricated	LnFt	$1,753.60	$2,104.32
		Concrete Box Culvert	LnFt	$1,602.09	$1,922.50
		Culvert Installation, >30 inch diameter	InFt	$2.61	$3.13
		Low water crossing using prefabricated products	SqFt	$8.59	$10.31
		Low Water Crossing, Riprap	SqFt	$5.21	$6.25
		Low Water Crossing, River Rock	CuYd	$199.46	$239.35
580	Streambank and Shoreline Protection	Bioengineered	SqFt	$2.81	$3.37
		Riprap	CuYd	$61.71	$74.05
582	Open Channel	Cranberry By-Pass Channel	CuYd	$5.05	$6.06
		Cranberry By-Pass Channel with Rock		$6.42	$7.70
585	Stripcropping	Stripcropping for water erosion	Ac	$13.36	$16.03
587	Structure for Water Control	Aquaculture Pond Outlet Structure	Ft	$1,709.33	$2,051.20
		Catch Basin, 3 ft width	VFt	$209.85	$251.82
		Catch Basin, 5 ft diameter	VFt	$375.00	$450.00
		CMP Turnout	Ea	$553.97	$664.76
		Commercial Inline Flashboard Riser	InFt	$2.72	$3.27
		Concrete Turnout Structure	Ea	$2,929.05	$3,514.86
		Concrete Turnout Structure - Small	Ea	$979.46	$1,175.35
		Culvert <30 inches CMP	InFt	$1.80	$2.16
		Culvert <30 inches HDPE	InFt	$1.61	$1.94
		Fish Screens <= 400 gpm	Ea	$1,041.97	$1,250.36
		Fish Screen > 400gpm	Ea	$1,884.59	$2,261.51
		Flap Gate	Ft	$1,308.68	$1,570.41
		Flap Gate w/ Concrete Wall	CuYd	$914.87	$1,097.84
		Flow Meter with Electronic Index	In	$265.87	$319.05
		Flow Meter with Electronic Index & Telemetry	In	$338.74	$406.49
		Flow Meter with Mechanical Index	In	$140.18	$168.22
		Inlet Flashboard Riser, Metal	InFt	$2.65	$3.18
		Inline Flashboard Riser, Metal	InFt	$2.78	$3.34
		In-Stream Structure for Water Surface Profile	LnFt	$220.24	$264.28
		Outlet Structure and External Harvest Kettle for an Existing Aquaculture Pond	Ft	$3,068.50	$3,682.20
		Rock Checks for Water Surface Profile	Ton	$46.67	$56.01
		Slide Gate	Ft	$1,506.25	$1,807.50
		Basic Field Crops NM system with manure	Ac	$32.41	$38.89
		Basic Fruit Vegetable NM System	Ac	$31.03	$37.24
		Basic NM System	Ac	$25.87	$31.05
		Enhanced Field Crops Nutrient Mgt	Ac	$35.83	$42.99

Practice Code	Practice Name	Scenario	Payment Unit	Unit Cost	HU Unit Cost
590	Nutrient Management	Organic or Enhanced Fruit and Vegetable Nutrient Mgt	Ac	$44.19	$53.03
		Seasonal High Tunnel Nutrient Management	Ea	$115.82	$138.98
		Small Farm/Diversified	Ea	$366.14	$439.37
		Soil Health Assessment	Ea	$121.82	$146.18
595	Integrated Pest Management	Basic IPM Field 1RC	Ac	$12.51	$15.01
		Basic IPM Field over 1RC	Ac	$16.93	$20.31
		Basic IPM Fruit Veg 1RC	Ac	$70.68	$84.82
		Basic IPM Fruit Veg over 1RC	Ac	$91.32	$109.59
		Basic IPM Orchard 1RC	Ac	$91.32	$109.59
		Basic IPM Orchard over 1RC	Ac	$139.96	$167.95
		IPM Sm Farm 1RC	Ea	$426.89	$512.26
		IPM Sm Farm over 1RC	Ea	$559.83	$671.80
		Advanced Field All RCs	Ac	$25.02	$30.02
		Advanced IPM Fruit Veg All RCs	Ac	$139.96	$167.95
		Advanced IPM Orchard All RCs	Ac	$221.29	$265.55
		Advanced IPM Sm Farm All RCs	Ea	$839.74	$1,007.69
		Risk Prevention IPM All RCs	Ac	$118.08	$141.70
600	Terrace	Broadbased	Ft	$3.31	$3.97
606	Subsurface Drain	4 inch PVC Footing Drain w/ geotextile fabric	Ft	$5.03	$6.03
		6 inch Corrugated Plastic Pipe Footing Drain	Ft	$3.59	$4.31
		6 inch Footing Drain w/ Geotextile Fabric	Ft	$5.99	$7.19
		Corrugated Plastic Pipe (CPP), Single-Wall, ≤ 6 inch	LnFt	$2.93	$3.51
		Corrugated Plastic Pipe (CPP), Single-Wall, ≥ 8 inch	LnFt	$9.54	$11.45
		Corrugated Plastic Pipe (CPP), Twin-Wall, ≥ 8 inch	LnFt	$14.20	$17.04
		Enveloped CPP, Single-Wall, ≤ 6 inch, 10 feet deep	LnFt	$10.37	$12.45
		Enveloped CPP, Single-Wall, ≤ 6 inch	LnFt	$6.75	$8.10
612	Tree & Shrub Establishment	Hardwood Est.-Direct Seeding	Ac	$79.80	$95.76
		Hardwood Hand Planting-bare root-protected	Ac	$497.36	$596.83
		Hardwood Planting 1 gal pots	Ac	$1,398.19	$1,677.82
		High Density planting	Ac	$349.34	$419.21
		Individual tree - hand planting	Ea	$0.92	$1.11
		Individual tree - hand planting w/browse protection	Ea	$2.78	$3.34
		Medium Density-Conifer	Ac	$135.16	$162.19
		Medium Density-hand plant Conifer	Ac	$283.01	$339.61
		Medium Density-hand plant Conifer, protect from widlife	Ac	$844.77	$1,013.72
		Plant Small Areas/Quantities	Ac	$1,243.54	$1,492.24
		Shrub Bare Root Hand Planting In Sod Grasses	Ea	$5.32	$6.38
		Shrub Planting	Ac	$178.38	$214.05
		Shrub Planting	Ea	$5.14	$6.17
614	Watering Facility	Frost Free Trough	Ea	$660.52	$792.62
		Permanent Drinking/Storage 1000 to 5000 Gallons	Gal	$1.19	$1.43
		Permanent Drinking/Storage 500 to 1000 Gallons	Gal	$1.77	$2.12
		Permanent Drinking/Storage over 5000 Gallons	Gal	$0.49	$0.59
		Permanent Drinking/Storage upto 500 Gallons	Gal	$2.93	$3.52
		Permanent Storage Tank	Gal	$0.65	$0.78
		Portable Drinking/Storage upto 100 Gallons	Gal	$0.99	$1.19
629	Waste Treatment	Aerator greater than 5 hp	Ea	$7,092.35	$8,510.81
		Aerator less than or equal to 5 hp	HP	$941.01	$1,129.21
		Milkhouse Wastewater Treatment with Dosing System and Bark Mounds	SqFt	$6.90	$8.28
		Milking Parlor Waste Treatment System with Dosing System and Bark Beds	SqFt	$6.71	$8.05
		Milking Parlor Wastewater Treatment System with Dosing System	Gal/Day	$19.49	$23.38
		Straw Pond Cover	SqFt	$0.52	$0.62

Practice Code	Practice Name	Scenario	Payment Unit	Unit Cost	HU Unit Cost
634	Waste Transfer	3 inch PVC Pressure Pipe	Ft	$13.13	$15.75
		4 inch PVC Pressure Pipe	Ft	$14.10	$16.92
		6 inch PVC Gravity Pipe with Hopper	Ft	$29.41	$35.30
		6 inch PVC Gravity Pipe without Hopper	Ft	$14.89	$17.86
		6 inch PVC Pressure Pipe	Ft	$16.92	$20.30
		8 inch PVC Pressure Pipe	Ft	$23.95	$28.74
		12 inch HDPE Gravity Pipe with Hopper	Ft	$37.45	$44.94
		12 inch PVC Pressure Pipe	Ft	$33.18	$39.81
		15 inch PVC Pressure Pipe	Ft	$42.75	$51.30
		18 inch HDPE Gravity Pipe with Hopper	Ft	$50.78	$60.94
		24 inch HDPE Gravity Pipe with Hopper	Ft	$63.30	$75.95
		30 inch HDPE Gravity Pipe with Hopper	Ft	$73.25	$87.90
		Agitator-small used for mixing a basin or pit no more than 10 ft. deep.	Ea	$8,636.90	$10,364.28
		Concrete Channel	SqFt	$4.44	$5.32
		Concrete Scrape Alley	SqFt	$8.31	$9.97
		Push-Off Ramp w/ Safety Gate	Ea	$15,315.03	$18,378.04
		Stacker (Manure Elevator)	Ft	$204.08	$244.89
		Waste hauling (Liquid)	kGal-Mile	$0.38	$0.45
		Waste hauling (Solid)	Ton-Mile	$0.17	$0.21
		Wastewater Collection Tank	Gal	$1.93	$2.32
635	Vegetated Treatment Area	Graded Area, Mechanical Distribution	Ac	$1,760.03	$2,112.04
		Graded Area, Pumped Into A Basin, Gravity Flow Surface Application	SqFt	$0.24	$0.29
		VTA Direct Flow - Surface Apply	SqFt	$0.37	$0.45
		VTA Existing with Spreader Curb	SqFt	$0.47	$0.57
		VTA New with Spreader Curb	SqFt	$0.65	$0.78
		VTA-surface application-gravity flow	SqFt	$0.53	$0.63
638	Water & Sediment Control Basin	WASCOB <350 CY	CuYd	$6.44	$7.73
		WASCOB <350 CY-Topsoil		$7.38	$8.85
		WASCOB >=350 CY		$4.18	$5.02
642	Water Well	Deep Well	Ea	$8,085.97	$9,703.16
		Dug Well		$8,028.07	$9,633.68
		High Volume Deep Well		$12,099.31	$14,519.17
		High Volume Shallow Well		$3,913.37	$4,696.05
		High Volume Typical Well		$6,132.19	$7,358.63
		Shallow Well		$2,396.07	$2,875.28
		Typical Well		$4,181.57	$5,017.88
643	Restoration and Management of Rare and Declining Habitats	Creation of Oyster Reef Coastal Pond	Ac	$124,944.00	$149,932.80
		Oyster Reef Barge Crane		$14,659.53	$17,591.44
		Restore Multi-Aged Old Growth Forest Characteristics		$114.32	$137.18

Practice/Resource Concern Associations

Practices	Resource Concerns
Access Control	Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Water
	Soil Erosion: Classic Gully Erosion
	Soil Erosion: Ephemeral Gully Erosion
	Soil Erosion: Sheet and Rill Erosion
	Soil Erosion: Streambank, Shoreline, Water Conveyance Channels
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Groundwater
	Water Quality Degradation: Excessive Sediment in Surface Water
	Water Quality Degradation: Nutrients in Surface water
Access Road	Soil Erosion: Classic Gully Erosion
	Soil Erosion: Ephemeral Gully Erosion
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Excessive Sediment in Surface Water
Agrichemical Handling Facility	Water Quality Degradation: Nutrients in Groundwater
	Water Quality Degradation: Nutrients in Surface water
	Water Quality Degradation: Pesticides in Groundwater
	Water Quality Degradation: Pesticides in Surface Water
Animal Mortality Facility	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Groundwater
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Nutrients in Groundwater
	Water Quality Degradation: Nutrients in Surface water
Animal Trails and Walkways	Soil Erosion: Ephemeral Gully Erosion
	Soil Erosion: Sheet and Rill Erosion
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Groundwater
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Excessive Sediment in Surface Water
	Water Quality Degradation: Nutrients in Groundwater
	Water Quality Degradation: Nutrients in Surface water
Brush Management	Soil Erosion: Classic Gully Erosion
	Soil Erosion: Ephemeral Gully Erosion
	Soil Erosion: Sheet and Rill Erosion
	Water Quality Degradation: Excessive Sediment in Surface Water
Composting Facility	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Groundwater
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Nutrients in Groundwater
	Water Quality Degradation: Nutrients in Surface water
	Soil Erosion: Classic Gully Erosion
	Soil Erosion: Ephemeral Gully Erosion
	Soil Erosion: Sheet and Rill Erosion
	Soil Erosion: Streambank, Shoreline, Water Conveyance Channels

Practice/Resource Concern Associations

Practices	Resource Concerns
Conservation Cover	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Groundwater
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Excessive Sediment in Surface Water
	Water Quality Degradation: Nutrients in Groundwater
	Water Quality Degradation: Nutrients in Surface water
	Water Quality Degradation: Pesticides in Groundwater
	Water Quality Degradation: Pesticides in Surface Water
Conservation Crop Rotation	Soil Erosion: Ephemeral Gully Erosion
	Soil Erosion: Sheet and Rill Erosion
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Groundwater
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Excessive Sediment in Surface Water
	Water Quality Degradation: Nutrients in Groundwater
	Water Quality Degradation: Nutrients in Surface water
	Water Quality Degradation: Pesticides in Groundwater
	Water Quality Degradation: Pesticides in Surface Water
Contour Farming	Soil Erosion: Ephemeral Gully Erosion
	Soil Erosion: Sheet and Rill Erosion
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Excessive Sediment in Surface Water
	Water Quality Degradation: Nutrients in Groundwater
	Water Quality Degradation: Nutrients in Surface water
	Water Quality Degradation: Pesticides in Surface Water
Cover Crop	Soil Erosion: Classic Gully Erosion
	Soil Erosion: Ephemeral Gully Erosion
	Soil Erosion: Sheet and Rill Erosion
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Groundwater
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Excessive Sediment in Surface Water
	Water Quality Degradation: Nutrients in Groundwater
	Water Quality Degradation: Nutrients in Surface water
	Water Quality Degradation: Pesticides in Groundwater
	Water Quality Degradation: Pesticides in Surface Water
Critical Area Planting	Soil Erosion: Classic Gully Erosion
	Soil Erosion: Ephemeral Gully Erosion
	Soil Erosion: Sheet and Rill Erosion
	Soil Erosion: Streambank, Shoreline, Water Conveyance Channels
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Groundwater

Practice/Resource Concern Associations

Practices	Resource Concerns
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Excessive Sediment in Surface Water
	Water Quality Degradation: Nutrients in Groundwater
	Water Quality Degradation: Nutrients in Surface water
Diversion	Soil Erosion: Classic Gully Erosion
	Soil Erosion: Ephemeral Gully Erosion
	Soil Erosion: Sheet and Rill Erosion
	Soil Erosion: Streambank, Shoreline, Water Conveyance Channels
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Excessive Sediment in Surface Water
	Water Quality Degradation: Nutrients in Surface water
	Water Quality Degradation: Pesticides in Groundwater
	Water Quality Degradation: Pesticides in Surface Water
Fence	Soil Erosion: Ephemeral Gully Erosion
	Soil Erosion: Sheet and Rill Erosion
	Soil Erosion: Streambank, Shoreline, Water Conveyance Channels
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Nutrients in Surface water
Field Border	Soil Erosion: Ephemeral Gully Erosion
	Soil Erosion: Sheet and Rill Erosion
	Soil Erosion: Streambank, Shoreline, Water Conveyance Channels
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Groundwater
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Excessive Sediment in Surface Water
	Water Quality Degradation: Nutrients in Groundwater
	Water Quality Degradation: Nutrients in Surface water
	Water Quality Degradation: Pesticides in Groundwater
	Water Quality Degradation: Pesticides in Surface Water
Filter Strip	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Groundwater
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Excessive Sediment in Surface Water
	Water Quality Degradation: Nutrients in Groundwater
	Water Quality Degradation: Nutrients in Surface water
	Water Quality Degradation: Pesticides in Groundwater
	Water Quality Degradation: Pesticides in Surface Water
	Soil Erosion: Ephemeral Gully Erosion
	Soil Erosion: Sheet and Rill Erosion
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Groundwater

Practice/Resource Concern Associations

Practices	Resource Concerns
Forage and Biomass Planting	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Excessive Sediment in Surface Water
	Water Quality Degradation: Nutrients in Surface water
	Water Quality Degradation: Pesticides in Groundwater
	Water Quality Degradation: Pesticides in Surface Water
Grade Stabilization Structure	Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Water
	Soil Erosion: Classic Gully Erosion
	Soil Erosion: Streambank, Shoreline, Water Conveyance Channels
	Water Quality Degradation: Excessive Sediment in Surface Water
Grassed Waterway	Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Water
	Soil Erosion: Classic Gully Erosion
	Soil Erosion: Ephemeral Gully Erosion
	Soil Erosion: Streambank, Shoreline, Water Conveyance Channels
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Excessive Sediment in Surface Water
	Water Quality Degradation: Nutrients in Surface water
	Water Quality Degradation: Pesticides in Surface Water
Heavy Use Area Protection	Soil Erosion: Classic Gully Erosion
	Soil Erosion: Ephemeral Gully Erosion
	Soil Erosion: Sheet and Rill Erosion
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Groundwater
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Excessive Sediment in Surface Water
	Water Quality Degradation: Nutrients in Surface water
Herbaceous Weed Control	Soil Erosion: Classic Gully Erosion
	Soil Erosion: Ephemeral Gully Erosion
	Soil Erosion: Sheet and Rill Erosion
	Soil Erosion: Streambank, Shoreline, Water Conveyance Channels
	Water Quality Degradation: Excessive Sediment in Surface Water
Integrated Pest Management	Soil Erosion: Ephemeral Gully Erosion
	Soil Erosion: Sheet and Rill Erosion
	Water Quality Degradation: Pesticides in Groundwater
	Water Quality Degradation: Pesticides in Surface Water
Irrigation Pipeline	Soil Erosion: Classic Gully Erosion
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Groundwater
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Excessive Sediment in Surface Water
	Water Quality Degradation: Nutrients in Surface water
	Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Water
	Soil Erosion: Sheet and Rill Erosion

Practice/Resource Concern Associations

Practices	Resource Concerns
Irrigation System, Microirrigation	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Groundwater
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Excessive Sediment in Surface Water
	Water Quality Degradation: Nutrients in Groundwater
	Water Quality Degradation: Nutrients in Surface water
	Water Quality Degradation: Pesticides in Groundwater
	Water Quality Degradation: Pesticides in Surface Water
Irrigation System: Sprinkler	Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Water
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Groundwater
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Excessive Sediment in Surface Water
	Water Quality Degradation: Nutrients in Groundwater
	Water Quality Degradation: Nutrients in Surface water
	Water Quality Degradation: Pesticides in Groundwater
	Water Quality Degradation: Pesticides in Surface Water
Irrigation System, Surface and Subsurface	Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Water
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Groundwater
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Nutrients in Groundwater
	Water Quality Degradation: Nutrients in Surface water
	Water Quality Degradation: Pesticides in Groundwater
	Water Quality Degradation: Pesticides in Surface Water
Irrigation System, Tailwater Recovery	Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Water
	Soil Erosion: Classic Gully Erosion
	Soil Erosion: Ephemeral Gully Erosion
	Soil Erosion: Streambank, Shoreline, Water Conveyance Channels
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Groundwater
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Excessive Sediment in Surface Water
	Water Quality Degradation: Nutrients in Surface water
	Water Quality Degradation: Pesticides in Surface Water
Irrigation Water Management	Soil Erosion: Sheet and Rill Erosion
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Groundwater
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Excessive Sediment in Surface Water
	Water Quality Degradation: Nutrients in Groundwater
	Water Quality Degradation: Nutrients in Surface water

Practice/Resource Concern Associations

Practices	Resource Concerns
	Water Quality Degradation: Pesticides in Groundwater
	Water Quality Degradation: Pesticides in Surface Water
Lined Waterway or Outlet	Soil Erosion: Classic Gully Erosion
	Soil Erosion: Ephemeral Gully Erosion
	Water Quality Degradation: Excessive Sediment in Surface Water
	Water Quality Degradation: Nutrients in Groundwater
Livestock Pipeline	Water Quality Degradation: Excessive Sediment in Surface Water
Nutrient Management	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Groundwater
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Nutrients in Groundwater
	Water Quality Degradation: Nutrients in Surface water
Open Channel	Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Water
	Soil Erosion: Classic Gully Erosion
	Soil Erosion: Streambank, Shoreline, Water Conveyance Channels
	Water Quality Degradation: Pesticides in Surface Water
Prescribed Grazing	Soil Erosion: Classic Gully Erosion
	Soil Erosion: Ephemeral Gully Erosion
	Soil Erosion: Sheet and Rill Erosion
	Soil Erosion: Streambank, Shoreline, Water Conveyance Channels
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Groundwater
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Excessive Sediment in Surface Water
	Water Quality Degradation: Nutrients in Groundwater
	Water Quality Degradation: Nutrients in Surface water
	Water Quality Degradation: Pesticides in Groundwater
	Water Quality Degradation: Pesticides in Surface Water
Pumping Plant	Water Quality Degradation: Nutrients in Surface water
Residue Mgmt, Reduced Till	Soil Erosion: Ephemeral Gully Erosion
	Soil Erosion: Sheet and Rill Erosion
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Excessive Sediment in Surface Water
	Water Quality Degradation: Nutrients in Groundwater
	Water Quality Degradation: Nutrients in Surface water
	Water Quality Degradation: Pesticides in Groundwater
	Water Quality Degradation: Pesticides in Surface Water
Residue Mgmt-No-Till	Soil Erosion: Ephemeral Gully Erosion
	Soil Erosion: Sheet and Rill Erosion
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Excessive Sediment in Surface Water
	Water Quality Degradation: Nutrients in Groundwater

Practice/Resource Concern Associations

Practices	Resource Concerns
	Water Quality Degradation: Nutrients in Surface water
	Water Quality Degradation: Pesticides in Surface Water
Restoration and Management of Rare and Declining Habitat	Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Water
	Soil Erosion: Ephemeral Gully Erosion
	Soil Erosion: Sheet and Rill Erosion
	Water Quality Degradation: Excessive Sediment in Surface Water
Riparian Forest Buffer	Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Water
	Soil Erosion: Classic Gully Erosion
	Soil Erosion: Ephemeral Gully Erosion
	Soil Erosion: Sheet and Rill Erosion
	Soil Erosion: Streambank, Shoreline, Water Conveyance Channels
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Groundwater
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Excessive Sediment in Surface Water
	Water Quality Degradation: Nutrients in Groundwater
	Water Quality Degradation: Nutrients in Surface water
	Water Quality Degradation: Pesticides in Groundwater
	Water Quality Degradation: Pesticides in Surface Water
Roof Runoff Structure	Soil Erosion: Classic Gully Erosion
	Soil Erosion: Ephemeral Gully Erosion
	Soil Erosion: Sheet and Rill Erosion
	Soil Erosion: Streambank, Shoreline, Water Conveyance Channels
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Excessive Sediment in Surface Water
	Water Quality Degradation: Nutrients in Groundwater
	Water Quality Degradation: Nutrients in Surface water
Roofs and Covers	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Groundwater
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Excessive Sediment in Surface Water
	Water Quality Degradation: Nutrients in Surface water
Spring Development	Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Water
	Soil Erosion: Classic Gully Erosion
	Soil Erosion: Streambank, Shoreline, Water Conveyance Channels
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Excessive Sediment in Surface Water
	Water Quality Degradation: Nutrients in Surface water
Stream Crossing	Soil Erosion: Streambank, Shoreline, Water Conveyance Channels
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Excessive Sediment in Surface Water

Practice/Resource Concern Associations

Practices	Resource Concerns
	Water Quality Degradation: Nutrients in Surface water
Stream Habitat Improvement and Management	Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Water
	Soil Erosion: Streambank, Shoreline, Water Conveyance Channels
	Water Quality Degradation: Excessive Sediment in Surface Water
Streambank and Shoreline Protection	Soil Erosion: Streambank, Shoreline, Water Conveyance Channels
Stripcropping	Soil Erosion: Ephemeral Gully Erosion
	Soil Erosion: Sheet and Rill Erosion
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Excessive Sediment in Surface Water
	Water Quality Degradation: Nutrients in Surface water
	Water Quality Degradation: Pesticides in Surface Water
Structure for Water Control	Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Water
	Soil Erosion: Classic Gully Erosion
	Soil Erosion: Streambank, Shoreline, Water Conveyance Channels
	Water Quality Degradation: Excessive Sediment in Surface Water
	Water Quality Degradation: Nutrients in Groundwater
	Water Quality Degradation: Nutrients in Surface water
	Water Quality Degradation: Pesticides in Surface Water
Subsurface Drain	Soil Erosion: Classic Gully Erosion
	Soil Erosion: Ephemeral Gully Erosion
	Soil Erosion: Sheet and Rill Erosion
	Soil Erosion: Streambank, Shoreline, Water Conveyance Channels
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Groundwater
	Water Quality Degradation: Excessive Sediment in Surface Water
	Water Quality Degradation: Nutrients in Groundwater
	Water Quality Degradation: Pesticides in Groundwater
Terrace	Soil Erosion: Classic Gully Erosion
	Soil Erosion: Ephemeral Gully Erosion
	Soil Erosion: Sheet and Rill Erosion
	Soil Erosion: Streambank, Shoreline, Water Conveyance Channels
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Excessive Sediment in Surface Water
	Water Quality Degradation: Nutrients in Surface water
	Water Quality Degradation: Pesticides in Surface Water
Tree/Shrub Establishment	Soil Erosion: Classic Gully Erosion
	Soil Erosion: Ephemeral Gully Erosion
	Soil Erosion: Sheet and Rill Erosion
	Soil Erosion: Streambank, Shoreline, Water Conveyance Channels
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Groundwater
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water

Practice/Resource Concern Associations

Practices	Resource Concerns
	Water Quality Degradation: Excessive Sediment in Surface Water
	Water Quality Degradation: Nutrients in Groundwater
	Water Quality Degradation: Nutrients in Surface water
	Water Quality Degradation: Pesticides in Groundwater
	Water Quality Degradation: Pesticides in Surface Water
Vegetated Treatment Area	Soil Erosion: Sheet and Rill Erosion
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Excessive Sediment in Surface Water
	Water Quality Degradation: Nutrients in Surface water
Waste Storage Facility	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Groundwater
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Nutrients in Groundwater
	Water Quality Degradation: Nutrients in Surface water
Waste Transfer	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Groundwater
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Nutrients in Groundwater
	Water Quality Degradation: Nutrients in Surface water
Waste Treatment	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Groundwater
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Nutrients in Groundwater
	Water Quality Degradation: Nutrients in Surface water
Water and Sediment Control Basin	Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Water
	Soil Erosion: Classic Gully Erosion
	Soil Erosion: Ephemeral Gully Erosion
	Water Quality Degradation: Excessive Sediment in Surface Water
Water Well	Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Water
	Soil Erosion: Ephemeral Gully Erosion
	Soil Erosion: Sheet and Rill Erosion
	Water Quality Degradation: Excessive Sediment in Surface Water
Watering Facility	Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Water
	Soil Erosion: Classic Gully Erosion
	Soil Erosion: Ephemeral Gully Erosion
	Soil Erosion: Sheet and Rill Erosion
	Soil Erosion: Streambank, Shoreline, Water Conveyance Channels
	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
	Water Quality Degradation: Excessive Sediment in Surface Water
Well Water Testing	Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Groundwater
	Soil Erosion: Ephemeral Gully Erosion

Practice/Resource Concern Associations

Practices	Resource Concerns
Windbreak/Shelterbelt Establishment	Soil Erosion: Sheet and Rill Erosion
	Water Quality Degradation: Excessive Sediment in Surface Water
	Water Quality Degradation: Nutrients in Groundwater
	Water Quality Degradation: Nutrients in Surface water
	Water Quality Degradation: Pesticides in Surface Water