

RCPP - Lake Springfield Source Water Protection Project (1993)
Practice and Cost List

Code	Practice	Component	Unit	Unit Cost
157	Nutrient Management Design and Implementation Activity	Design Nutrient Management for 101 to less than 300 Acres and No Manure	No	\$3,255.25
157	Nutrient Management Design and Implementation Activity	Design Nutrient Management for greater than 101 Acres and less than or equal to 300 Acres Fertilizer and Manure	No	\$5,696.69
157	Nutrient Management Design and Implementation Activity	Design Nutrient Management for greater than 300 Acres and No Manure	No	\$4,069.07
157	Nutrient Management Design and Implementation Activity	Design Nutrient Management for greater than 300 Acres Fertilizer and Manure	No	\$6,917.41
157	Nutrient Management Design and Implementation Activity	Design Nutrient Management for less than or equal to 100 Acres and No Manure	No	\$2,441.44
157	Nutrient Management Design and Implementation Activity	Design Nutrient Management for less than or equal to 100 Acres Fertilizer and Manure	No	\$4,069.07
157	Nutrient Management Design and Implementation Activity	HU-Design Nutrient Management for 101 to less than 300 Acres and No Manure	No	\$3,906.30
157	Nutrient Management Design and Implementation Activity	HU-Design Nutrient Management for greater than 101 Acres and less than or equal to 300 Acres Fertilizer and Manure	No	\$6,836.03
157	Nutrient Management Design and Implementation Activity	HU-Design Nutrient Management for greater than 300 Acres and No Manure	No	\$4,882.88
157	Nutrient Management Design and Implementation Activity	HU-Design Nutrient Management for greater than 300 Acres Fertilizer and Manure	No	\$8,300.90
157	Nutrient Management Design and Implementation Activity	HU-Design Nutrient Management for less than or equal to 100 Acres and No Manure	No	\$2,929.73
157	Nutrient Management Design and Implementation Activity	HU-Design Nutrient Management for less than or equal to 100 Acres Fertilizer and Manure	No	\$4,882.88
164	Improved Management of Drainage Water Design	1-2 Designs - No Tile Map Available	No	\$6,986.77
164	Improved Management of Drainage Water Design	1-2 Designs - Tile Map Available	No	\$5,129.43
164	Improved Management of Drainage Water Design	3 or More Designs - No Tile Map Available	No	\$8,782.34
164	Improved Management of Drainage Water Design	3 or More Designs - Tile Map Available	No	\$8,062.81
164	Improved Management of Drainage Water Design	HU-1-2 Designs - No Tile Map Available	No	\$8,384.12
164	Improved Management of Drainage Water Design	HU-1-2 Designs - Tile Map Available	No	\$6,155.32
164	Improved Management of Drainage Water Design	HU-3 or More Designs - No Tile Map Available	No	\$10,538.81
164	Improved Management of Drainage Water Design	HU-3 or More Designs - Tile Map Available	No	\$9,675.37
315	Herbaceous Weed Treatment	Aquatic Areas Weed Control	Ac	\$350.03
315	Herbaceous Weed Treatment	Biological Management High Density	Ac	\$807.56
315	Herbaceous Weed Treatment	Biological Management Low Density	Ac	\$403.78
315	Herbaceous Weed Treatment	Blanket Treatment Multi Pass	Ac	\$99.94
315	Herbaceous Weed Treatment	Blanket Treatment One Pass	Ac	\$48.01

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315	Herbaceous Weed Treatment	Herbaceous Weed Treatment for One Acre or less (not to exceed 1 acre)	Ac	\$280.59
315	Herbaceous Weed Treatment	Light Spot Treatment	Ac	\$32.23
315	Herbaceous Weed Treatment	Medium Spot Treatments	Ac	\$83.96
315	Herbaceous Weed Treatment	Tree & Shrub Post-planting Weed Control	Ac	\$128.42
315	Herbaceous Weed Treatment	HU-Aquatic Areas Weed Control	Ac	\$420.03
315	Herbaceous Weed Treatment	HU-Biological Management High Density	Ac	\$969.07
315	Herbaceous Weed Treatment	HU-Biological Management Low Density	Ac	\$484.54
315	Herbaceous Weed Treatment	HU-Blanket Treatment Multi Pass	Ac	\$119.93
315	Herbaceous Weed Treatment	HU-Blanket Treatment One Pass	Ac	\$57.61
315	Herbaceous Weed Treatment	HU-Herbaceous Weed Treatment for One Acre or less (not to exceed 1 acre)	Ac	\$336.71
315	Herbaceous Weed Treatment	HU-Light Spot Treatment	Ac	\$38.67
315	Herbaceous Weed Treatment	HU-Medium Spot Treatments	Ac	\$100.75
315	Herbaceous Weed Treatment	HU-Tree & Shrub Post-planting Weed Control	Ac	\$154.11
327	Conservation Cover	Conservation Cover for Water Quality and Wildlife, Foregone Income - Level 1 (Year 1)	Ac	\$545.69
327	Conservation Cover	Interseeding Native Forbs, Pollinator or Monarch Mixes	Ac	\$190.19
327	Conservation Cover	Introduced Species	Ac	\$163.97
327	Conservation Cover	Introduced with Foregone Income	Ac	\$576.14
327	Conservation Cover	Monarch Species Mix	Ac	\$761.20
327	Conservation Cover	Monarch Species Mix with Foregone Income	Ac	\$894.62
327	Conservation Cover	Native Species	Ac	\$194.05
327	Conservation Cover	Native Species with Foregone Income	Ac	\$643.49
327	Conservation Cover	Pollinator Mix-Small Footprint	kSqFt	\$107.39
327	Conservation Cover	Pollinator Species	Ac	\$620.26
327	Conservation Cover	Pollinator Species with Foregone Income	Ac	\$894.62
327	Conservation Cover	HU-Conservation Cover for Water Quality and Wildlife, Foregone Income - Level 1 (Year 1)	Ac	\$564.94
327	Conservation Cover	HU-Interseeding Native Forbs, Pollinator or Monarch Mixes	Ac	\$228.23
327	Conservation Cover	HU-Introduced Species	Ac	\$196.76
327	Conservation Cover	HU-Introduced with Foregone Income	Ac	\$601.48
327	Conservation Cover	HU-Monarch Species Mix	Ac	\$913.44
327	Conservation Cover	HU-Monarch Species Mix with Foregone Income	Ac	\$983.66
327	Conservation Cover	HU-Native Species	Ac	\$232.86
327	Conservation Cover	HU-Native Species with Foregone Income	Ac	\$682.30
327	Conservation Cover	HU-Pollinator Mix-Small Footprint	kSqFt	\$128.87
327	Conservation Cover	HU-Pollinator Species	Ac	\$744.31

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327	Conservation Cover	HU-Pollinator Species with Forgone Income	Ac	\$983.66
329	Residue and Tillage Management, No Till	No Till Adaptive Management	No	\$3,020.20
329	Residue and Tillage Management, No Till	No-Till/Strip-Till	Ac	\$16.80
329	Residue and Tillage Management, No Till	No-Till/Strip-Till with Herbicide and No Cover Crop	Ac	\$31.88
329	Residue and Tillage Management, No Till	Small Scale No Till	kSqFt	\$36.07
329	Residue and Tillage Management, No Till	HU-No Till Adaptive Management	No	\$3,624.23
329	Residue and Tillage Management, No Till	HU-No-Till/Strip-Till	Ac	\$20.16
329	Residue and Tillage Management, No Till	HU-No-Till/Strip-Till with Herbicide and No Cover Crop	Ac	\$38.26
329	Residue and Tillage Management, No Till	HU-Small Scale No Till	kSqFt	\$43.29
340	Cover Crop	Cover Crop - 1 acre or less	Ac	\$443.15
340	Cover Crop	Cover Crop - Adaptive Management	No	\$2,500.62
340	Cover Crop	Cover Crop - Basic (Organic and Non-organic)	Ac	\$62.15
340	Cover Crop	Cover Crop - Basic Organic	Ac	\$95.02
340	Cover Crop	Cover Crop - Multiple Species (Organic and Non-organic)	Ac	\$77.58
340	Cover Crop	Mechanical Termination of Cover Crop per 1000 square feet	kSqFt	\$23.00
340	Cover Crop	Multi-species Cover Crop per 1000 square feet	kSqFt	\$49.44
340	Cover Crop	Winter Kill Cover Crop Species	Ac	\$42.83
340	Cover Crop	HU-Cover Crop - 1 acre or less	Ac	\$531.78
340	Cover Crop	HU-Cover Crop - Adaptive Management	No	\$3,000.75
340	Cover Crop	HU-Cover Crop - Basic (Organic and Non-organic)	Ac	\$74.58
340	Cover Crop	HU-Cover Crop - Basic Organic	Ac	\$114.02
340	Cover Crop	HU-Cover Crop - Multiple Species (Organic and Non-organic)	Ac	\$93.10
340	Cover Crop	HU-Mechanical Termination of Cover Crop per 1000 square feet	kSqFt	\$27.60
340	Cover Crop	HU-Multi-species Cover Crop per 1000 square feet	kSqFt	\$59.33
340	Cover Crop	HU-Winter Kill Cover Crop Species	Ac	\$51.39
342	Critical Area Planting	Gully Repair and Seeding with Native or Introduced Vegetation	Ac	\$2,629.32
342	Critical Area Planting	Native or Introduced Vegetation - Heavy Grading (Organic and Non-Organic)	Ac	\$983.83
342	Critical Area Planting	Native or Introduced Vegetation - Moderate Grading (Organic and Non-Organic)	Ac	\$653.42
342	Critical Area Planting	Native or Introduced Vegetation - Normal Tillage (Organic and Non-Organic)	Ac	\$241.31
342	Critical Area Planting	Permanent Cover	kSqFt	\$16.98
342	Critical Area Planting	Small Area Disturbance	kSqFt	\$6.60
342	Critical Area Planting	HU-Gully Repair and Seeding with Native or Introduced Vegetation	Ac	\$3,155.19
342	Critical Area Planting	HU-Native or Introduced Vegetation - Heavy Grading (Organic and Non-Organic)	Ac	\$1,180.60

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342	Critical Area Planting	HU-Native or Introduced Vegetation - Moderate Grading (Organic and Non-Organic)	Ac	\$784.10
342	Critical Area Planting	HU-Native or Introduced Vegetation - Normal Tillage (Organic and Non-Organic)	Ac	\$289.57
342	Critical Area Planting	HU-Permanent Cover	kSqFt	\$20.37
342	Critical Area Planting	HU-Small Area Disturbance	kSqFt	\$7.92
345	Residue and Tillage Management, Reduced Till	Adoption of Reduced Tillage Management Practices	Ac	\$8.72
345	Residue and Tillage Management, Reduced Till	Mulch till-Adaptive Management	No	\$3,671.37
345	Residue and Tillage Management, Reduced Till	Reduced Tillage less than 0.5 acres	kSqFt	\$31.33
345	Residue and Tillage Management, Reduced Till	Residue and Tillage Management, Reduced Till	Ac	\$17.44
345	Residue and Tillage Management, Reduced Till	HU-Adoption of Reduced Tillage Management Practices	Ac	\$10.46
345	Residue and Tillage Management, Reduced Till	HU-Mulch till-Adaptive Management	No	\$4,405.64
345	Residue and Tillage Management, Reduced Till	HU-Reduced Tillage less than 0.5 acres	kSqFt	\$37.60
345	Residue and Tillage Management, Reduced Till	HU-Residue and Tillage Management, Reduced Till	Ac	\$20.93
378	Pond	Embankment, >12in Pipe	CuYd	\$4.19
378	Pond	Embankment, 4in-6in Pipe	CuYd	\$3.73
378	Pond	Embankment, 8in-12in Pipe	CuYd	\$3.87
378	Pond	Embankment, Tile Conduit	CuYd	\$2.76
378	Pond	Excavated Pit	CuYd	\$1.66
378	Pond	HU-Embankment, >12in Pipe	CuYd	\$5.03
378	Pond	HU-Embankment, 4in-6in Pipe	CuYd	\$4.48
378	Pond	HU-Embankment, 8in-12in Pipe	CuYd	\$4.65
378	Pond	HU-Embankment, Tile Conduit	CuYd	\$3.32
378	Pond	HU-Excavated Pit	CuYd	\$1.99
386	Field Border	Field Border, Introduced Species	Ac	\$91.29
386	Field Border	Field Border, Introduced Species, Forgone Income	Ac	\$540.74
386	Field Border	Field Border, Native Species	Ac	\$151.70
386	Field Border	Field Border, Native Species, Forgone Income	Ac	\$601.14
386	Field Border	Field Border, Pollinator	Ac	\$402.83
386	Field Border	Field Border, Pollinator, Forgone Income	Ac	\$852.27
386	Field Border	Small Scale Field Border	kSqFt	\$67.37
386	Field Border	HU-Field Border, Introduced Species	Ac	\$109.55
386	Field Border	HU-Field Border, Introduced Species, Forgone Income	Ac	\$559.00
386	Field Border	HU-Field Border, Native Species	Ac	\$182.04
386	Field Border	HU-Field Border, Native Species, Forgone Income	Ac	\$631.48
386	Field Border	HU-Field Border, Pollinator	Ac	\$483.39
386	Field Border	HU-Field Border, Pollinator, Forgone Income	Ac	\$932.84
386	Field Border	HU-Small Scale Field Border	kSqFt	\$80.84

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391	Riparian Forest Buffer	Bareroot shrubs, each	No	\$1.84
391	Riparian Forest Buffer	Bareroot trees and shrubs	Ac	\$1,229.77
391	Riparian Forest Buffer	Bareroot trees, each	No	\$2.49
391	Riparian Forest Buffer	Container Trees and Shrubs 2 gallon and larger, Each	No	\$24.30
391	Riparian Forest Buffer	Direct Seeding	Ac	\$1,227.47
391	Riparian Forest Buffer	HU-Bareroot shrubs, each	No	\$2.14
391	Riparian Forest Buffer	HU-Bareroot trees and shrubs	Ac	\$1,385.83
391	Riparian Forest Buffer	HU-Bareroot trees, each	No	\$2.78
391	Riparian Forest Buffer	HU-Container Trees and Shrubs 2 gallon and larger, Each	No	\$27.36
391	Riparian Forest Buffer	HU-Direct Seeding	Ac	\$1,383.08
393	Filter Strip	Filter Strip, Introduced species	Ac	\$171.67
393	Filter Strip	Filter Strip, Introduced species, Forgone Income	Ac	\$621.11
393	Filter Strip	Filter Strip, Native species	Ac	\$216.35
393	Filter Strip	Filter Strip, Native species, Forgone Income	Ac	\$665.79
393	Filter Strip	HU-Filter Strip, Introduced species	Ac	\$206.00
393	Filter Strip	HU-Filter Strip, Introduced species, Forgone Income	Ac	\$655.45
393	Filter Strip	HU-Filter Strip, Native species	Ac	\$259.62
393	Filter Strip	HU-Filter Strip, Native species, Forgone Income	Ac	\$709.06
410	Grade Stabilization Structure	Concrete Block Chute	SqFt	\$10.35
410	Grade Stabilization Structure	Concrete Drop Box with PVC outlet pipe	Ft	\$67.60
410	Grade Stabilization Structure	Concrete Drop Structure	CuYd	\$844.97
410	Grade Stabilization Structure	Embankment >12in	CuYd	\$4.17
410	Grade Stabilization Structure	Embankment 4in-6in Pipe	CuYd	\$3.67
410	Grade Stabilization Structure	Embankment 8in-12in Pipe	CuYd	\$3.83
410	Grade Stabilization Structure	Embankment Tile Conduit	CuYd	\$2.76
410	Grade Stabilization Structure	Embankment Tile Conduit with Plunge Pool and Riprap Backslope	CuYd	\$8.35
410	Grade Stabilization Structure	Full Flow Straight Pipe	DialnFt	\$5.45
410	Grade Stabilization Structure	Gabion Chute	CuYd	\$323.82
410	Grade Stabilization Structure	Geotextile Reinforced Vegetated Outlet	SqFt	\$2.77
410	Grade Stabilization Structure	Open Flow Drop Spillway	SqFt	\$171.56
410	Grade Stabilization Structure	Open Flow Drop Spillway-High overfall or sheet pile	SqFt	\$263.32
410	Grade Stabilization Structure	Panel Rock Drop Structures	SqFt	\$74.03
410	Grade Stabilization Structure	Pipe Drop, Smooth Steel or CMP, <1000 CY Earthfill	SqFt	\$16.18
410	Grade Stabilization Structure	Pipe Drop, Smooth Steel or CMP, >1000 CY Earthfill	SqFt	\$24.86
410	Grade Stabilization Structure	Rock Rip Rap Chute	CuYd	\$82.31
410	Grade Stabilization Structure	Side Inlet	Ft	\$94.15
410	Grade Stabilization Structure	Treated Wood Drop Structure	SqFt	\$52.48
410	Grade Stabilization Structure	HU-Concrete Block Chute	SqFt	\$12.43

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410	Grade Stabilization Structure	HU-Concrete Drop Box with PVC outlet pipe	Ft	\$81.12
410	Grade Stabilization Structure	HU-Concrete Drop Structure	CuYd	\$1,013.96
410	Grade Stabilization Structure	HU-Embankment >12in	CuYd	\$5.01
410	Grade Stabilization Structure	HU-Embankment 4in-6in Pipe	CuYd	\$4.41
410	Grade Stabilization Structure	HU-Embankment 8in-12in Pipe	CuYd	\$4.60
410	Grade Stabilization Structure	HU-Embankment Tile Conduit	CuYd	\$3.32
410	Grade Stabilization Structure	HU-Embankment Tile Conduit with Plunge Pool and Riprap Backslope	CuYd	\$10.03
410	Grade Stabilization Structure	HU-Full Flow Straight Pipe	DiaInFt	\$6.54
410	Grade Stabilization Structure	HU-Gabion Chute	CuYd	\$388.59
410	Grade Stabilization Structure	HU-Geotextile Reinforced Vegetated Outlet	SqFt	\$3.32
410	Grade Stabilization Structure	HU-Open Flow Drop Spillway	SqFt	\$205.87
410	Grade Stabilization Structure	HU-Open Flow Drop Spillway-High overfall or sheet pile	SqFt	\$315.98
410	Grade Stabilization Structure	HU-Panel Rock Drop Structures	SqFt	\$88.84
410	Grade Stabilization Structure	HU-Pipe Drop, Smooth Steel or CMP, <1000 CY Earthfill	SqFt	\$19.42
410	Grade Stabilization Structure	HU-Pipe Drop, Smooth Steel or CMP, >1000 CY Earthfill	SqFt	\$29.84
410	Grade Stabilization Structure	HU-Rock Rip Rap Chute	CuYd	\$98.78
410	Grade Stabilization Structure	HU-Side Inlet	Ft	\$112.98
410	Grade Stabilization Structure	HU-Treated Wood Drop Structure	SqFt	\$62.97
412	Grassed Waterway	<35 foot top width	Ac	\$2,949.20
412	Grassed Waterway	<35 foot top width with checks	Ac	\$4,562.24
412	Grassed Waterway	<35 foot top width with checks, crop season construction	Ac	\$5,461.13
412	Grassed Waterway	<35 foot top width, crop season construction	Ac	\$3,848.09
412	Grassed Waterway	>55 foot top width	Ac	\$3,603.25
412	Grassed Waterway	>55 foot top width with checks	Ac	\$5,321.34
412	Grassed Waterway	>55 foot top width with checks, crop season construction	Ac	\$6,220.23
412	Grassed Waterway	>55 foot top width, crop season construction	Ac	\$4,502.14
412	Grassed Waterway	35-55 foot top width	Ac	\$3,083.11
412	Grassed Waterway	35-55 foot top width with checks	Ac	\$4,904.30
412	Grassed Waterway	35-55 foot top width with checks, crop season construction	Ac	\$5,803.19
412	Grassed Waterway	35-55 foot top width, crop season construction	Ac	\$3,982.00
412	Grassed Waterway	HU-<35 foot top width	Ac	\$3,449.15
412	Grassed Waterway	HU-<35 foot top width with checks	Ac	\$5,384.80
412	Grassed Waterway	HU-<35 foot top width with checks, crop season construction	Ac	\$6,283.69
412	Grassed Waterway	HU-<35 foot top width, crop season construction	Ac	\$4,348.04
412	Grassed Waterway	HU->55 foot top width	Ac	\$4,234.01
412	Grassed Waterway	HU->55 foot top width with checks	Ac	\$6,295.72
412	Grassed Waterway	HU->55 foot top width with checks, crop season construction	Ac	\$7,194.61

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412	Grassed Waterway	HU->55 foot top width, crop season construction	Ac	\$5,132.90
412	Grassed Waterway	HU-35-55 foot top width	Ac	\$3,609.85
412	Grassed Waterway	HU-35-55 foot top width with checks	Ac	\$5,795.27
412	Grassed Waterway	HU-35-55 foot top width with checks, crop season construction	Ac	\$6,694.16
412	Grassed Waterway	HU-35-55 foot top width, crop season construction	Ac	\$4,508.74
468	Lined Waterway or Outlet	Rock Lined	CuYd	\$113.00
468	Lined Waterway or Outlet	Turf Reinforced Matting - Corn Belt	SqFt	\$1.05
468	Lined Waterway or Outlet	HU-Rock Lined	CuYd	\$135.60
468	Lined Waterway or Outlet	HU-Turf Reinforced Matting - Corn Belt	SqFt	\$1.25
484	Mulching	Erosion Control Blanket for Endangered Species, Vegetation Establishment	Ac	\$9,251.44
484	Mulching	Erosion Control Blanket, Vegetation Establishment	Ac	\$7,574.88
484	Mulching	Natural Material - Full Coverage	Ac	\$452.58
484	Mulching	Natural Material, Small Area	No	\$156.19
484	Mulching	Natural Material, Soil Moisture Management	Ac	\$366.40
484	Mulching	Synthetic Material, Small Area	No	\$129.86
484	Mulching	Synthetic Material, Soil Moisture Management	Ac	\$1,888.50
484	Mulching	Tree and Shrub, Individual Treatment, Soil Moisture Management	No	\$0.85
484	Mulching	HU-Erosion Control Blanket for Endangered Species, Vegetation Establishment	Ac	\$11,101.73
484	Mulching	HU-Erosion Control Blanket, Vegetation Establishment	Ac	\$9,089.85
484	Mulching	HU-Natural Material - Full Coverage	Ac	\$543.10
484	Mulching	HU-Natural Material, Small Area	No	\$187.43
484	Mulching	HU-Natural Material, Soil Moisture Management	Ac	\$439.68
484	Mulching	HU-Synthetic Material, Small Area	No	\$155.83
484	Mulching	HU-Synthetic Material, Soil Moisture Management	Ac	\$2,266.20
484	Mulching	HU-Tree and Shrub, Individual Treatment, Soil Moisture Management	No	\$1.02
490	Tree/Shrub Site Preparation	Chemical Application	Ac	\$72.03
490	Tree/Shrub Site Preparation	Heavy Mechanical with Chemical	Ac	\$483.09
490	Tree/Shrub Site Preparation	Light Mechanical	Ac	\$137.08
490	Tree/Shrub Site Preparation	Light Mechanical with Chemical	Ac	\$209.11
490	Tree/Shrub Site Preparation	Tree-Shrub Site Prep - small acreage	kSqFt	\$14.58
490	Tree/Shrub Site Preparation	HU-Chemical Application	Ac	\$86.43
490	Tree/Shrub Site Preparation	HU-Heavy Mechanical with Chemical	Ac	\$579.71
490	Tree/Shrub Site Preparation	HU-Light Mechanical	Ac	\$164.49
490	Tree/Shrub Site Preparation	HU-Light Mechanical with Chemical	Ac	\$250.93
490	Tree/Shrub Site Preparation	HU-Tree-Shrub Site Prep - small acreage	kSqFt	\$17.49

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520	Pond Sealing or Lining, Compacted Soil Treatment	Bentonite Treatment - Covered	CuYd	\$46.77
520	Pond Sealing or Lining, Compacted Soil Treatment	Bentonite Treatment - Uncovered	CuYd	\$90.59
520	Pond Sealing or Lining, Compacted Soil Treatment	Compacted Earth Liner	CuYd	\$5.80
520	Pond Sealing or Lining, Compacted Soil Treatment	Compacted Earth Liner with Soil Cover	CuYd	\$7.66
520	Pond Sealing or Lining, Compacted Soil Treatment	Material haul < 1 mile	CuYd	\$8.46
520	Pond Sealing or Lining, Compacted Soil Treatment	Material haul > 1 mile	CuYd	\$10.26
520	Pond Sealing or Lining, Compacted Soil Treatment	Soil Dispersant - Covered	CuYd	\$4.18
520	Pond Sealing or Lining, Compacted Soil Treatment	Soil Dispersant - Uncovered	CuYd	\$5.39
520	Pond Sealing or Lining, Compacted Soil Treatment	HU- Material haul > 1 mile	CuYd	\$12.32
520	Pond Sealing or Lining, Compacted Soil Treatment	HU-Bentonite Treatment - Covered	CuYd	\$56.12
520	Pond Sealing or Lining, Compacted Soil Treatment	HU-Bentonite Treatment - Uncovered	CuYd	\$108.71
520	Pond Sealing or Lining, Compacted Soil Treatment	HU-Compacted Earth Liner	CuYd	\$6.96
520	Pond Sealing or Lining, Compacted Soil Treatment	HU-Compacted Earth Liner with Soil Cover	CuYd	\$9.19
520	Pond Sealing or Lining, Compacted Soil Treatment	HU-Material haul < 1 mile	CuYd	\$10.15
520	Pond Sealing or Lining, Compacted Soil Treatment	HU-Soil Dispersant - Covered	CuYd	\$5.02
520	Pond Sealing or Lining, Compacted Soil Treatment	HU-Soil Dispersant - Uncovered	CuYd	\$6.46
554	Drainage Water Management	<=10 acres per Structure with Training	Ac	\$13.39
554	Drainage Water Management	Automated Drainage Water Management	Ac	\$8.40
554	Drainage Water Management	Automated Drainage Water Management - Each	No	\$84.03
554	Drainage Water Management	Manual Drainage Water Management	No	\$133.89
554	Drainage Water Management	HU-<=10 acres per Structure with Training	Ac	\$16.07
554	Drainage Water Management	HU-Automated Drainage Water Management	Ac	\$10.08
554	Drainage Water Management	HU-Automated Drainage Water Management - Each	No	\$100.84
554	Drainage Water Management	HU-Manual Drainage Water Management	No	\$160.66
587	Structure for Water Control	Automated DWM Control Structure	No	\$6,436.96
587	Structure for Water Control	Automation Retrofit to Manual Drainage Water Management Control Structure	No	\$4,057.23
587	Structure for Water Control	Flow Meter with Electronic Index & Telemetry	In	\$419.11
587	Structure for Water Control	Flow Meter with Mechanical Index	In	\$159.15
587	Structure for Water Control	Inline Stoplog WCS, Surface Water Control, >18 in. dia. Pipe	No	\$9,313.81
587	Structure for Water Control	Inline Stoplog WCS, Surface Water Control, 12-18 in. dia. Pipe	No	\$4,993.79
587	Structure for Water Control	Inline Stoplog WCS, Surface Water Control, 6-10 in. dia. Pipe	No	\$3,172.90
587	Structure for Water Control	Inline WCS, Subsurface Drainage Control, <=10 in. dia. Pipe	No	\$1,833.13
587	Structure for Water Control	Inline WCS, Subsurface Drainage Control, >10 in. dia. Pipe	No	\$2,565.70
587	Structure for Water Control	Inline WCS, Subsurface Drainage Control, float activated head pressure valve	No	\$1,040.64
587	Structure for Water Control	Straight Pipe, Surface Water Control, <=10 in. dia. Pipe (w/o adjustable control)	Ft	\$56.31

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Code	Practice	Component	Unit	Unit Cost
587	Structure for Water Control	Straight Pipe, Surface Water Control, >=12 in. dia. Pipe (w/o adjustable control)	Ft	\$66.84
587	Structure for Water Control	Watertight Flap gate Inflow WCS, Surface Water Control, <=15 in. dia. Pipe	No	\$3,821.81
587	Structure for Water Control	Watertight Flap gate Inflow WCS, Surface Water Control, >15 in. dia. Pipe	No	\$7,360.29
587	Structure for Water Control	Weir Box Inlet WCS, Surface Water Control Using Existing Pipe (Box Only)	No	\$620.97
587	Structure for Water Control	Weir Box Inlet WCS, Surface Water Control, <=16 in. dia. Pipe.	No	\$5,536.94
587	Structure for Water Control	Weir Box Inlet WCS, Surface Water Control, >16 in. dia. Pipe.	No	\$7,284.83
587	Structure for Water Control	HU-Automated DWM Control Structure	No	\$7,724.35
587	Structure for Water Control	HU-Automation Retrofit to Manual Drainage Water Management Control Structure	No	\$4,868.67
587	Structure for Water Control	HU-Flow Meter with Electronic Index & Telemetry	In	\$502.93
587	Structure for Water Control	HU-Flow Meter with Mechanical Index	In	\$190.98
587	Structure for Water Control	HU-Inline Stoplog WCS, Surface Water Control, >18 in. dia. Pipe	No	\$11,176.57
587	Structure for Water Control	HU-Inline Stoplog WCS, Surface Water Control, 12-18 in. dia. Pipe	No	\$5,992.55
587	Structure for Water Control	HU-Inline Stoplog WCS, Surface Water Control, 6-10 in. dia. Pipe	No	\$3,807.48
587	Structure for Water Control	HU-Inline WCS, Subsurface Drainage Control, <=10 in. dia. Pipe	No	\$2,199.76
587	Structure for Water Control	HU-Inline WCS, Subsurface Drainage Control, >10 in. dia. Pipe	No	\$3,078.84
587	Structure for Water Control	HU-Inline WCS, Subsurface Drainage Control, float activated head pressure valve	No	\$1,248.77
587	Structure for Water Control	HU-Straight Pipe, Surface Water Control, <=10 in. dia. Pipe (w/o adjustable control)	Ft	\$67.57
587	Structure for Water Control	HU-Straight Pipe, Surface Water Control, >=12 in. dia. Pipe (w/o adjustable control)	Ft	\$80.20
587	Structure for Water Control	HU-Watertight Flap gate Inflow WCS, Surface Water Control, <=15 in. dia. Pipe	No	\$4,586.17
587	Structure for Water Control	HU-Watertight Flap gate Inflow WCS, Surface Water Control, >15 in. dia. Pipe	No	\$8,832.34
587	Structure for Water Control	HU-Weir Box Inlet WCS, Surface Water Control Using Existing Pipe (Box Only)	No	\$745.16
587	Structure for Water Control	HU-Weir Box Inlet WCS, Surface Water Control, <=16 in. dia. Pipe.	No	\$6,644.33
587	Structure for Water Control	HU-Weir Box Inlet WCS, Surface Water Control, >16 in. dia. Pipe.	No	\$8,741.80
590	Nutrient Management	Adaptive NM	No	\$2,368.16
590	Nutrient Management	NM GRID/ZONE Soil Sampling, Variable Rate - Deep Placement	Ac	\$64.32
590	Nutrient Management	Nutrient Management	Ac	\$30.89
590	Nutrient Management	Nutrient Management - Manure Incorporation	Ac	\$44.97

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Practice and Cost List

Code	Practice	Component	Unit	Unit Cost
590	Nutrient Management	Nutrient Management - Manure Injection	Ac	\$150.99
590	Nutrient Management	Nutrient Management - Non-Organic	Ac	\$23.12
590	Nutrient Management	Precision Nutrient Application	Ac	\$65.80
590	Nutrient Management	Prescription Nutrient Efficiency	Ac	\$48.59
590	Nutrient Management	Small Scale Basic Nutrient Management	kSqFt	\$29.35
590	Nutrient Management	HU-Adaptive NM	No	\$2,841.79
590	Nutrient Management	HU-NM GRID/ZONE Soil Sampling, Variable Rate - Deep Placement	Ac	\$77.18
590	Nutrient Management	HU-Nutrient Management	Ac	\$37.06
590	Nutrient Management	HU-Nutrient Management - Manure Incorporation	Ac	\$53.96
590	Nutrient Management	HU-Nutrient Management - Manure Injection	Ac	\$181.19
590	Nutrient Management	HU-Nutrient Management - Non-Organic	Ac	\$27.75
590	Nutrient Management	HU-Precision Nutrient Application	Ac	\$78.96
590	Nutrient Management	HU-Prescription Nutrient Efficiency	Ac	\$58.30
590	Nutrient Management	HU-Small Scale Basic Nutrient Management	kSqFt	\$35.21
595	Pest Management Conservation System	Plant health PAMS (Small Farm - each) labor and mitigation.	No	\$1,637.00
595	Pest Management Conservation System	Plant health PAMS (Small Farm - each) labor only	No	\$497.31
595	Pest Management Conservation System	Plant Health PAMS activities (Small Farm - each) labor and materials	No	\$3,124.25
595	Pest Management Conservation System	Plant Health PAMS activities (Small Farm - each) labor, materials and mitigation.	No	\$5,494.36
595	Pest Management Conservation System	Water Quality Pesticide Mitigation = 30 Point AND/OR Beneficial Insect Pesticide Mitigation	Ac	\$34.01
595	Pest Management Conservation System	Water Quality Pesticide Mitigation = 30 Point AND/OR Beneficial Insect Pesticide Mitigation - Small Farm	No	\$1,087.76
595	Pest Management Conservation System	Water Quality Pesticide Mitigation > 30 Point AND/OR Beneficial Insect Pesticide Mitigation	Ac	\$59.92
595	Pest Management Conservation System	Water Quality Pesticide Mitigation > 30 Point AND/OR Beneficial Insect Pesticide Mitigation - Small Farm	No	\$1,774.30
595	Pest Management Conservation System	HU-Plant health PAMS (Small Farm - each) labor and mitigation.	No	\$1,964.40
595	Pest Management Conservation System	HU-Plant health PAMS (Small Farm - each) labor only	No	\$596.77
595	Pest Management Conservation System	HU-Plant Health PAMS activities (Small Farm - each) labor and materials	No	\$3,749.10
595	Pest Management Conservation System	HU-Plant Health PAMS activities (Small Farm - each) labor, materials and mitigation.	No	\$6,593.23
595	Pest Management Conservation System	HU-Water Quality Pesticide Mitigation = 30 Point AND/OR Beneficial Insect Pesticide Mitigation	Ac	\$40.82

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Practice and Cost List

Code	Practice	Component	Unit	Unit Cost
595	Pest Management Conservation System	HU-Water Quality Pesticide Mitigation = 30 Point AND/OR Beneficial Insect Pesticide Mitigation - Small Farm	No	\$1,305.31
595	Pest Management Conservation System	HU-Water Quality Pesticide Mitigation > 30 Point AND/OR Beneficial Insect Pesticide Mitigation	Ac	\$71.91
595	Pest Management Conservation System	HU-Water Quality Pesticide Mitigation > 30 Point AND/OR Beneficial Insect Pesticide Mitigation - Small Farm	No	\$2,129.16
600	Terrace	Broadbase, no Topsoiling	Ft	\$2.11
600	Terrace	Broadbase, with Topsoiling	Ft	\$3.26
600	Terrace	Broadbase, with Topsoiling, Crop Season Construction	Ft	\$5.42
600	Terrace	Grassed Terrace, no Topsoiling	Ft	\$1.87
600	Terrace	Grassed Terrace, with Topsoiling	Ft	\$3.03
600	Terrace	Grassed Terrace, with Topsoiling, Crop Season Construction	Ft	\$5.19
600	Terrace	Terrace, no topsoiling, closed outlet	Ac	\$1,304.56
600	Terrace	Terrace, no topsoiling, open outlet	Ac	\$476.14
600	Terrace	Terrace, with topsoiling, closed outlet	Ac	\$1,594.09
600	Terrace	Terrace, with topsoiling, open outlet	Ac	\$765.67
600	Terrace	HU-Broadbase, no Topsoiling	Ft	\$2.53
600	Terrace	HU-Broadbase, with Topsoiling	Ft	\$3.92
600	Terrace	HU-Broadbase, with Topsoiling, Crop Season Construction	Ft	\$6.07
600	Terrace	HU-Grassed Terrace, no Topsoiling	Ft	\$2.25
600	Terrace	HU-Grassed Terrace, with Topsoiling	Ft	\$3.64
600	Terrace	HU-Grassed Terrace, with Topsoiling, Crop Season Construction	Ft	\$5.80
600	Terrace	HU-Terrace, no topsoiling, closed outlet	Ac	\$1,565.47
600	Terrace	HU-Terrace, no topsoiling, open outlet	Ac	\$571.36
600	Terrace	HU-Terrace, with topsoiling, closed outlet	Ac	\$1,912.91
600	Terrace	HU-Terrace, with topsoiling, open outlet	Ac	\$918.80
604	Saturated Buffer	Saturated Buffer	Ft	\$9.91
604	Saturated Buffer	Saturated Buffer with Automated Water Control Structure	Ft	\$15.66
604	Saturated Buffer	HU-Saturated Buffer	Ft	\$11.90
604	Saturated Buffer	HU-Saturated Buffer with Automated Water Control Structure	Ft	\$18.79
605	Denitrifying Bioreactor	Denitrifying Bioreactor Recharge	CuYd	\$50.58
605	Denitrifying Bioreactor	Denitrifying Bioreactor with Automated Water Control Structures	CuYd	\$72.63
605	Denitrifying Bioreactor	Denitrifying Bioreactor with liner, no soil cover	CuYd	\$59.62
605	Denitrifying Bioreactor	Denitrifying Bioreactor, with liner and soil cover	CuYd	\$71.42
605	Denitrifying Bioreactor	HU-Denitrifying Bioreactor Recharge	CuYd	\$60.70
605	Denitrifying Bioreactor	HU-Denitrifying Bioreactor with Automated Water Control Structures	CuYd	\$87.16
605	Denitrifying Bioreactor	HU-Denitrifying Bioreactor with liner, no soil cover	CuYd	\$71.54

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Practice and Cost List

Code	Practice	Component	Unit	Unit Cost
605	Denitrifying Bioreactor	HU-Denitrifying Bioreactor, with liner and soil cover	CuYd	\$85.70
606	Subsurface Drain	<= 5in CPP	Ft	\$2.22
606	Subsurface Drain	>= 15in CPP	Ft	\$12.06
606	Subsurface Drain	10in CPP	Ft	\$6.41
606	Subsurface Drain	12in CPP	Ft	\$7.61
606	Subsurface Drain	6in CPP	Ft	\$2.66
606	Subsurface Drain	8in CPP	Ft	\$5.28
606	Subsurface Drain	Enveloped Corrugated Plastic Pipe (CPP), Single-Wall, <= 6 inch	Ft	\$4.19
606	Subsurface Drain	Secondary Main Retrofit for DWM	Ft	\$6.82
606	Subsurface Drain	HU-<= 5in CPP	Ft	\$2.66
606	Subsurface Drain	HU->= 15in CPP	Ft	\$14.47
606	Subsurface Drain	HU-10in CPP	Ft	\$7.69
606	Subsurface Drain	HU-12in CPP	Ft	\$9.14
606	Subsurface Drain	HU-6in CPP	Ft	\$3.20
606	Subsurface Drain	HU-8in CPP	Ft	\$6.34
606	Subsurface Drain	HU-Enveloped Corrugated Plastic Pipe (CPP), Single-Wall, <= 6 inch	Ft	\$5.03
606	Subsurface Drain	HU-Secondary Main Retrofit for DWM	Ft	\$8.18
620	Underground Outlet	<= 5in Diameter Pipe with Catch Basin	Ft	\$4.87
620	Underground Outlet	<= 5in Diameter Pipe with Risers	Ft	\$3.63
620	Underground Outlet	<=5in Diameter Pipe	Ft	\$3.34
620	Underground Outlet	>=12in Diameter Pipe	Ft	\$9.26
620	Underground Outlet	>=12in Diameter Pipe with Catch Basin	Ft	\$12.25
620	Underground Outlet	>=12in Diameter Pipe with Risers	Ft	\$11.21
620	Underground Outlet	10in Diameter Pipe	Ft	\$7.89
620	Underground Outlet	10in Diameter Pipe with Catch Basin	Ft	\$9.43
620	Underground Outlet	10in Diameter Pipe with Risers	Ft	\$8.52
620	Underground Outlet	6in Diameter Pipe	Ft	\$3.86
620	Underground Outlet	6in Diameter Pipe with Catch Basin	Ft	\$5.40
620	Underground Outlet	6in Diameter Pipe with Risers	Ft	\$4.16
620	Underground Outlet	8in Diameter Pipe	Ft	\$6.46
620	Underground Outlet	8in Diameter Pipe with Catch Basin	Ft	\$7.60
620	Underground Outlet	8in Diameter Pipe with Risers	Ft	\$6.52
620	Underground Outlet	Blind Inlet	Ft	\$87.32
620	Underground Outlet	Blind Inlet for Water Quality	CuYd	\$63.29
620	Underground Outlet	Perforated Pipe Riser	No	\$359.83
620	Underground Outlet	Trickle Flow Collector	Ft	\$85.99
620	Underground Outlet	HU-<= 5in Diameter Pipe with Catch Basin	Ft	\$5.84

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Practice and Cost List

Code	Practice	Component	Unit	Unit Cost
620	Underground Outlet	HU-<= 5in Diameter Pipe with Risers	Ft	\$4.36
620	Underground Outlet	HU-<=5in Diameter Pipe	Ft	\$4.00
620	Underground Outlet	HU->=12in Diameter Pipe	Ft	\$11.11
620	Underground Outlet	HU->=12in Diameter Pipe with Catch Basin	Ft	\$14.70
620	Underground Outlet	HU->=12in Diameter Pipe with Risers	Ft	\$13.46
620	Underground Outlet	HU-10in Diameter Pipe	Ft	\$9.47
620	Underground Outlet	HU-10in Diameter Pipe with Catch Basin	Ft	\$11.31
620	Underground Outlet	HU-10in Diameter Pipe with Risers	Ft	\$10.22
620	Underground Outlet	HU-6in Diameter Pipe	Ft	\$4.63
620	Underground Outlet	HU-6in Diameter Pipe with Catch Basin	Ft	\$6.48
620	Underground Outlet	HU-6in Diameter Pipe with Risers	Ft	\$4.99
620	Underground Outlet	HU-8in Diameter Pipe	Ft	\$7.75
620	Underground Outlet	HU-8in Diameter Pipe with Catch Basin	Ft	\$9.11
620	Underground Outlet	HU-8in Diameter Pipe with Risers	Ft	\$7.83
620	Underground Outlet	HU-Blind Inlet	Ft	\$104.79
620	Underground Outlet	HU-Blind Inlet for Water Quality	CuYd	\$75.95
620	Underground Outlet	HU-Perforated Pipe Riser	No	\$431.79
620	Underground Outlet	HU-Trickle Flow Collector	Ft	\$103.18
638	Water and Sediment Control Basin	Base	CuYd	\$3.00
638	Water and Sediment Control Basin	Base, crop seasonal construction	CuYd	\$3.64
638	Water and Sediment Control Basin	Farmable	Ft	\$5.21
638	Water and Sediment Control Basin	Farmable, crop seasonal construction	Ft	\$5.45
638	Water and Sediment Control Basin	Narrow Base	Ft	\$2.26
638	Water and Sediment Control Basin	Narrow Base, crop seasonal construction	Ft	\$2.51
638	Water and Sediment Control Basin	Topsoil	CuYd	\$3.23
638	Water and Sediment Control Basin	Topsoil, crop seasonal construction	CuYd	\$3.87
638	Water and Sediment Control Basin	HU-Base	CuYd	\$3.60
638	Water and Sediment Control Basin	HU-Base, crop seasonal construction	CuYd	\$4.24
638	Water and Sediment Control Basin	HU-Farmable	Ft	\$6.25
638	Water and Sediment Control Basin	HU-Farmable, crop seasonal construction	Ft	\$6.50
638	Water and Sediment Control Basin	HU-Narrow Base	Ft	\$2.71
638	Water and Sediment Control Basin	HU-Narrow Base, crop seasonal construction	Ft	\$2.96
638	Water and Sediment Control Basin	HU-Topsoil	CuYd	\$3.88
638	Water and Sediment Control Basin	HU-Topsoil, crop seasonal construction	CuYd	\$4.52
656	Constructed Wetland	Constructed Wetland, Dense Planting	Ac	\$11,102.92
656	Constructed Wetland	Constructed Wetland, Earthwork only	Ac	\$4,928.23
656	Constructed Wetland	Constructed Wetland, Light Planting	Ac	\$8,663.08
656	Constructed Wetland	HU-Constructed Wetland, Dense Planting	Ac	\$13,278.56

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Practice and Cost List

Code	Practice	Component	Unit	Unit Cost
656	Constructed Wetland	HU-Constructed Wetland, Earthwork only	Ac	\$5,868.93
656	Constructed Wetland	HU-Constructed Wetland, Light Planting	Ac	\$10,350.75
657	Wetland Restoration	Depression Sediment Removal and Ditch Plug	Ac	\$2,304.65
657	Wetland Restoration	Excavation	Ac	\$4,985.71
657	Wetland Restoration	Mineral Flat, Tile Removal	Ac	\$476.24
657	Wetland Restoration	Riverine Channel and Floodplain Restoration	Ac	\$1,223.04
657	Wetland Restoration	Riverine Levee Removal, ditch plugs and floodplain features	Ac	\$1,080.66
657	Wetland Restoration	Riverine, oxbow wetland	Ac	\$21,958.23
657	Wetland Restoration	Tile Break	No	\$640.14
657	Wetland Restoration	Vernal Pool	Ac	\$13,450.18
657	Wetland Restoration	HU-Depression Sediment Removal and Ditch Plug	Ac	\$2,675.69
657	Wetland Restoration	HU-Excavation	Ac	\$5,892.97
657	Wetland Restoration	HU-Mineral Flat, Tile Removal	Ac	\$481.60
657	Wetland Restoration	HU-Riverine Channel and Floodplain Restoration	Ac	\$1,407.73
657	Wetland Restoration	HU-Riverine Levee Removal, ditch plugs and floodplain features	Ac	\$1,206.90
657	Wetland Restoration	HU-Riverine, oxbow wetland	Ac	\$26,349.87
657	Wetland Restoration	HU-Tile Break	No	\$768.17
657	Wetland Restoration	HU-Vernal Pool	Ac	\$16,140.21
658	Wetland Creation	Embankment	Ac	\$3,407.98
658	Wetland Creation	Excavated	Ac	\$3,616.84
658	Wetland Creation	HU-Embankment	Ac	\$3,999.69
658	Wetland Creation	HU-Excavated	Ac	\$4,250.31
659	Wetland Enhancement	Depression, Sediment Removal and Ditch Plug	Ac	\$2,304.65
659	Wetland Enhancement	Mineral Flat, Tile Removal	No	\$3,174.94
659	Wetland Enhancement	Vernal Pool	Ac	\$13,450.18
659	Wetland Enhancement	HU-Depression, Sediment Removal and Ditch Plug	Ac	\$2,675.69
659	Wetland Enhancement	HU-Mineral Flat, Tile Removal	No	\$3,210.66
659	Wetland Enhancement	HU-Vernal Pool	Ac	\$16,140.21
660	Tree-Shrub Pruning	Pruning	No	\$0.85
660	Tree-Shrub Pruning	Pruning Individual Agroforestry tree - small acreage	No	\$11.89
660	Tree-Shrub Pruning	HU-Pruning	No	\$1.02
660	Tree-Shrub Pruning	HU-Pruning Individual Agroforestry tree - small acreage	No	\$14.27