

2012 New Hampshire WRP Practice List

Final

Practice	Code	Cost of Typical Practice Scenario Note: restoration agreements for eased properties cover 100% of actual restoration costs; when available, use site specific design cost estimates for contract development	Cost Share Restoration Agreements - 75% of actual restoration costs covered; when available, use site specific design cost estimates for contract development	Practice Life (Years)
Wetland Restoration	657	Fill/Earthen Dam Removal Scenarios Salt Marsh - \$54.57/cyd Fresh Water Wetland - \$13.72/cyd	Fill/Earthen Dam Removal Scenarios Salt Marsh - \$40.93/cyd Fresh Water Wetland - \$10.29/cyd	15
		Vegetation Restoration Scenarios Broadcast Native Wetland Mix \$2,582/Ac Native Wetland Plugs \$5,995.00/Ac 1 Gal Shrubs \$20/Ea 1 Gal Shrubs w/Deer Protection \$25.00/Ea Native Shrub Seed \$397/Ac Live Stakes \$3.45/Ea Bare Root \$2.50/Ea	Vegetation Restoration Scenarios Broadcast Native Wetland Mix \$1,936.50/Ac Native Wetland Plugs \$4,291.88/Ac 1 Gal Shrubs \$15/Ea 1 Gal Shrubs w/Deer Protection \$18.75/Ea Native Shrub Seed \$297.75/Ac Live Stakes \$2.29/Ea Bare Root \$1.88/Ea	15
		Stream/Field Ditch Restoration Scenarios Earthen Ditch Plugs - \$30/cyd Stream Wood Additions - \$4/ft Wattles anchored w/ live stakes - \$4.16/ft	Stream/Field Ditch Restoration Scenarios Earthen Ditch Plugs - \$22.50/cyd Stream Wood Additions - \$3/ft Wattles anchored w/ live stakes - \$3.12/ft	15
		Fish Passage Scenarios Arch Culverts 20' x 8' 3.5" \$3255.00 LnFt Arch Culverts 16' x 6' 7.5" \$2835.00 LnFt Fish Ladder \$180,892.95 each Dam Removal \$6398.39/ LnFt Culvert Removal \$2173.31 ea	Fish Passage Scenarios Arch Culverts 20' x 8' 3.5" \$2325.00 LnFt Arch Culverts 16' x 6' 7.5" \$2025.00 LnFt Fish Ladder \$129,209.25 each Dam Removal \$4570.28/ LnFt Culvert Removal \$1630 ea	15
		Wetland Invasive Plant Control Scenarios Phragmites Mowing/Removal \$9,666.67/Ac Difficult Chemical \$2,000/Ac Invasives Low Density \$240/Ac Invasives - Average Chemical \$550/Ac Invaded Field Reed Canary Grass-Reseeding \$2,022/Ac	Wetland Invasive Plant Control Scenarios Phragmites Mowing/Removal \$7,250/Ac Difficult Chemical \$1,500/Ac Invasives Low Density \$180/Ac Invasives - Average Chemical \$412.50/Ac Invaded Field Reed Canary Grass-Reseeding \$1,516.50/Ac	15
		Declining Habitat Restoration Oyster Bed Shell \$34,397/Ac Oysters-spat on shell \$18,575.38/Ac	Declining Habitat Restoration Oyster Bed Shell \$25,797.75Ac Oysters-spat on shell \$13,325.81/Ac	15
		Streambank & Shoreline Protection Toe Protection and Bioengineering \$154/Ln Ft	Streambank & Shoreline Protection Toe Protection and Bioengineering \$110.25/Ln Ft	15
		Wetlands Creation	658	Structure For Water Control Scenarios Gabion Structure \$996.18/Ft In- line Water Control Level \$9,284.45/Ea Instream Rock Chute \$278.89/Ln Ft Pipe Replacement 12" - 18" \$26593.75 Pipe Replacement >21" \$42,923.75 Hydrologic Improvement (berms/spillways) \$42.41/Cu Yd

Wetland Enhancement	659	Vegetative Community Enhancement Scenarios Improvement - Course Woody Debris \$600/Ac Delayed Mowing \$69/Ac Bronto Average Site \$750/Ac Bronto -Moderate Site \$1500/Ac Feller Buncher - Difficult Site \$1800/Ac 1 Gal Shrubs \$20/Ea 1 Gal Shrubs w/Deer Protection \$25.00/Ea Native Shrub Seed \$397/Ac Live Stakes \$3.45/Ea Bare Root \$2.50/Ea Backpack Leaf Blower \$560/Ac Medium Disk \$223.60/Ac	Vegetative Community Enhancement Scenarios Improvement - Course Woody Debris \$450/Ac Delayed Mowing \$51.75/Ac Bronto Average Site \$562.50/Ac Bronto -Moderate Site \$1,125/Ac Feller Buncher - Difficult Site \$1350/Ac 1 Gal Shrubs \$15/Ea 1 Gal Shrubs w/Deer Protection \$18.75/Ea Native Shrub Seed \$297.75/Ac Live Stakes \$2.59/Ea Bare Root \$1.86/Ea Backpack Leaf Blower \$420/Ac Medium Disk \$167.70/Ac	15
		Forest Trail, Access Road and Stream Crossing Scenarios Heavy Steel Gate \$2,000 Ea Access Road Repair \$8.66/LnFt Forest Trail Repair \$1905.00/Ac Critical Area Planting \$2,022.03/Ac Trail Closure \$2.00/Ln Ft Culverts 12"- 24" \$55.94/Ft 36" \$103.96/Ft >36" \$148.03/Ft Concr Box Culv. \$511.95/Ft Stone Fords \$49.24/Ft Timber Bridge \$1,018.55/Ft Steel Bridge \$1300.79/Ft Pre Fab Bridge \$1,649.68/Ft Temp Bridge <4 mos. \$193.03/LnFt Temp Bridge >=4 mos. \$373.83/LnFt	Forest Trail, Access Road and Stream Crossing Scenarios Heavy Steel Gate \$1,500 Ea Access Road Repair \$6.50/LnFt Forest Trail Repair \$1,428.75/Ac Critical Area Planting \$1,516.50/Ac Trail Closure \$1.50/Ln Ft Culverts 12"- 24" \$42/Ft 36" \$78/Ft >36" \$111.02/Ft Concr Box Culv. \$384/Ft Stone Fords \$37/Ft Timber Bridge \$763.91/Ft Steel Bridge \$975.59/Ft Pre Fab Bridge \$1,237.26/Ft Temp Bridge <4 mos. \$144.07/LnFt Temp Bridge >=4 mos. \$280.37/LnFt	15
		Woody Invasive Plant Control Scenarios Rotary Mowing \$138/Ac Brush Saw \$400/Ac Invasives - Weed Wrench \$580/Ac Invasives - Difficult Mowing \$2,000/Ac Invasives - Average Mowing \$750/Ac Invasives - Lite treatment \$300/Ac Invasives-Moderate Density \$550/Ac Invasives-Cut Stem \$2,200/Ac	Woody Invasive Plant Control Scenarios Rotary Mowing \$103.5/Ac Brush Saw \$300/Ac Invasives - Weed Wrench \$435/Ac Invasives - Difficult Mowing \$1,500/Ac Invasives - Average Mowing \$562.50/Ac Invasives - Lite treatment \$225/Ac Invasives-Moderate Density \$412.50/Ac Invasives-Cut Stem \$1,650/Ac	15
		Habitat Enhancement AppOakPine/SpruceFur Thinning \$2,366/Ac Duck Houses \$75.24/Ea Small Birdhouses \$36.60/Ea Large Birdhouses \$410.30	Habitat Enhancement AppOakPine/SpruceFur Thinning \$1774.50/Ac Duck Houses \$56.43/Ea Small Birdhouses \$27.45/Ea Large Birdhouses \$307.73	15

