

**2010 New Hampshire WHIP Forest Initiative Keeping Forests as Forests**

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5/17/2010

Practice	Code	Cost of Typical Practice Scenario	Standard Payment Offered (Percentage of Allowable Practice Costs)	Payment - Historically Underserved (Percentage of Allowable Practice Costs)	Practice Life (Years)	Practice Use and Restrictions
Access Control (formerly Use Exclusion)	472	Heavy Steel Gate \$910.84 Ea Hibernacula Gate \$8,000	Heavy Steel Gate \$663.79 Ea Hibernacula Gate \$6,000	Heavy Steel Gate \$796.55 Ea Hibernacula Gate \$7,200	10	To protect sensitive wildlife habitat.
Access Road	560	\$8.66/LnFt Repair	\$6.50/LnFt Repair	\$7.58/LnFt Repair	10	For repair to existing access roads which includes installation of cross-drainage, geotextile, crushed stone, shaping, and installation of other BMPs to reduce erosion and runoff to surface waters. Not for installation of new access roads. To facilitate heavy truck traffic from paved road to first log landing. All perennial streams require fish passage (open bottom culverts).
Conservation Cover	327	Warm Season Grass \$1275.98/Ac Cool Season grass/legume \$1052.70/Ac	Warm Season Grass \$913.48/Ac Cool Season grass/legume \$767.59/Ac	Warm Season Grass \$1096.18/Ac Cool Season grass/legume \$921.11	5	For seeding down eroding skid trails, landings, and wildlife openings. Includes seedbed preparation, lime, fertilizer, seed and mulching.
Early Successional Habitat Development/ Management	647	Rotary Mowing \$146.28/Ac Brush Saw \$338.14/Ac Bronto Average Site \$840/Ac Bronto or Chainsaw - Difficult Site \$1976/Ac	Rotary Mowing \$106.61/Ac Brush Saw \$246.43/Ac Bronto Average Site \$630/Ac Bronto or Chainsaw - Difficult Site \$1482/Ac	Rotary Mowing \$127.93/Ac Brush Saw \$295.71/Ac Bronto Average Site \$756/Ac Bronto or Chainsaw - Difficult Site \$1778.40/Ac	1	
Fish Passage	396	Arch Culverts 20' x 8' 3.5" \$3255.00 LnFt Arch Culverts 16' x 6' 7.5" \$2835.00 LnFt Culvert Removal \$2,173.31 Ea	Arch Culverts 20' x 8' 3.5" \$2325.00 LnFt Arch Culverts 16' x 6' 7.5" \$2025.00 LnFt Culvert Removal \$1412.51	Arch Culverts 20' x 8' 3.5" \$2790.00 LnFt Arch Culverts 16' x 6' 7.5" \$2430.00 LnFt Culvert Removal \$1,695.01 Ea	5	Small Arch Culvert Approx. 16' Wide X 6' 7.5" Tall Or Smaller. Large Arch Culvert Approx. 20' Wide X 8' 3.5" Tall or Larger Culvert Removal For sizes 18" or less.
Forest Stand Improvement	666	Dense Softwood \$686.40/Ac Hardwood & Softwood \$514.80	Dense Softwood \$491.40/Ac Hardwood & Softwood \$368.55/Ac	Dense Softwood \$589.68/Ac Hardwood & Softwood \$442.26	10	For cutting even aged stands to promote mid-story and understorey species and promote uneven aged management. Felled trees stay in the forest.
Forest Trails & Landings	655	Average Sites \$4,740/Ac Moderately Difficult Sites \$10,942.64/Ac Difficult Sites \$15,135/Ac Landings \$2,472.00/Ac Forest Trail Repair \$1905.00/Ac	Average Sites \$3,393/Ac Moderately Difficult Sites \$7,823.45/Ac Difficult Sites \$10,818/Ac Landings \$1,773.00/Ac Forest Trail Repair \$1368.00/Ac	Average Sites \$4,071.60/Ac Moderately Difficult Sites \$9,388.15/Ac Difficult Sites \$12,981.60/Ac Landings \$2,127.60/Ac Forest Trail Repair \$1641.60/Ac	5	Only available where necessary to facilitate access of heavy equipment to implement another wildlife practice that requires such equipment. To prevent erosion, soil must be stabilized with vegetation and BMPs. All perennial streams require fish passage (open bottom culverts).
Pest Management	595	INVASIVE PLANT CONTROL Invasives - Hand Tools \$580/Ac Invasives - Cut Stem \$1,335.40/Ac Invasives - Difficult Mowing \$2,016/Ac Invasives - Average Mowing \$840/Ac Invasives - Difficult Chemical \$1,980/Ac Invasives - Lite treatment \$198/Ac Invasives - Average Chemical \$357.50/Ac Invasives-Moderate Density \$605/Ac	INVASIVE PLANT CONTROL Invasives - Hand Tools \$435/Ac Invasives - Cut Stem \$956.03/Ac Invasives - Difficult Mowing \$1,512/Ac Invasives - Average Mowing \$630/Ac Invasives - Difficult Chemical \$1417.50/Ac Invasives - Lite treatment \$141.75/Ac Invasives - Average Chemical \$255.94/Ac Invasives-Moderate Density \$433.13/Ac	INVASIVE PLANT CONTROL Invasives - Hand Tools \$522/Ac Invasives - Cut Stem \$1,147/Ac Invasives - Difficult Mowing \$1,814/Ac Invasives - Average Mowing \$756/Ac Invasives - Difficult Chemical \$1,701/Ac Invasives - Lite treatment \$170.10/Ac Invasives - Average Chemical \$307.13/Ac Invasives-Moderate Density \$519.75/Ac	1	Invasive Plant Species Control - Forest lands

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Restoration and Management of Declining Habitats	643	New England Cottontail \$2,366/Ac	New England Cottontail \$1,875/Ac	New England Cottontail \$2,204.40/Ac	<b>1</b>	New England Cottontail Habitat- for raking wildlife shrub seed into the forest floor and opening the canopy with chainsaws for New England Cottontail and declining shrubland species.
Riparian Forest Buffer	391	Zone 1 and 2 \$9992.16/Ac Zone 1, 2, and 3 \$12490.20/Ac	Zone 1 and 2 \$7147.17/Ac Zone 1, 2, and 3 \$8999.96/Ac	Zone 1 and 2 \$8576.60/Ac Zone 1, 2, and 3 \$10720.76/Ac	15	Includes shaping, seedbed preparation, soil amendments, seeding and tree/shrub planting stock and labor for establishing.
Stream Crossing	578	Culverts 12" - 24" \$55.94/Ft	Culverts 12" - 24" \$40.84/Ft	Culverts 12" - 24" \$49.01/Ft	10	To replace drainage on intermittent streams and repair cross drainage for forest trails repair and access roads. Not for use on perennial streams.
Stream Habitat Improvement and Management	395	Culvert Removal \$2,173.31 Ea Wood Additions \$232 Ea	Culvert Removal \$1,412.51 Ea Wood Additions \$174 Ea	Culvert Removal \$1,695.01 Ea Wood Additions \$208.80 Ea	<b>5</b>	Wood Additions are adding 4 trees per 100 feet of stream, to improve aquatic habitat and benefit brook trout.
Tree/Shrub Establishment	612	Softwoods \$1,185.84/Ac Hardwood \$1,451.52/Ac Hardwood-Deer Protection \$3,330.72/Ac Native Shrubs \$1,965.60/Ac Wildlife Shrubs \$27.04/Ea	Softwoods \$848.21/Ac Hardwood \$1,038.24/Ac Hardwood-Deer Protection \$2,382.39/Ac Native Shrubs \$1,405.95/Ac Wildlife Shrubs \$20.28/Ea	Softwoods \$1017.85/Ac Hardwood \$1,245.89/Ac Hardwood-Deer Protection \$2,858.87/Ac Native Shrubs \$1,687.14/Ac Wildlife Shrubs \$24.34/Ea	15	Not to be used to plant grassland or cropland to forest. Maximum stocking density for wildlife habitat improvement is 70 Trees/Ac or 450 Shrubs/Ac.
Tree/Shrub Site Preparation	490	\$582.00/Ac	\$423.00/Ac	\$507.60/Ac	1	Was Forest Site Preparation. May be used for scarification to encourage natural seeding of white pine, aspen or other native species. May also be used to prepare a site for Tree/Shrub Establishment.
Upland Wildlife Habitat Management	645	Hardwood Mast \$617.12/Ac	Hardwood Mast \$445.44/Ac	Hardwood Mast \$534.53/Ac	1	
Wetland Restoration	657	Ditch Plugs \$2,642.22/Ac	Ditch Plugs \$1,756.67/Ac	Ditch Plugs \$2,108.00/Ac	15	Use to restore wetland functions and values to approximate "pre-disturbance" condition.

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Wetland Wildlife Habitat Management	644	Wetland Wildlife Habitat Management \$636/Ac	Wetland Wildlife Habitat Management \$463.50/Ac	Wetland Wildlife Habitat Management \$556.20/Ac	1	Mechanical Manipulation of Wetland Vegetation, encouraging soft mast, hard mast and dense softwood cover.

**NOTE:** The above list of practices include all practices that may be used in WHIP contracts.