

2009 New Hampshire
FINAL 2009 WHIP Practice List

5/20/2009

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 \$783.37 Ea	Heavy Steel Gate \$570.90 Ea	Heavy Steel Gate \$685.08 Ea	10	To protect sensitive wildlife habitat. Use in conjunction with Fence practice, if necessary.
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	3	For soil cover and wildlife habitat. Includes seedbed preparation, lime, fertilizer, seed and mulching, if needed.
Early Successional Habitat Development/ Management	647	Rotary Mowing \$146.28/Ac Brush Saw \$338.14/Ac Delayed Mowing \$100/Ac Clear Openings, Average Site \$840/Ac Clear Openings - Difficult Site \$1976/Ac	Rotary Mowing \$106.61/Ac Brush Saw \$246.43/Ac Delayed Mowing \$51.75/Ac Clear Openings, Average Site \$630Ac Clear Openings - Difficult Site \$1482/Ac	Rotary Mowing \$127.93/Ac Brush Saw \$295.71Ac Delayed Mowing \$62.10/Ac Clear Openings, Average Site \$756Ac Clear Openings - Difficult Site \$1778.40/Ac	15	<u>Maximum of three years for delayed mowing of grassland.</u> Minimum of 5 contiguous acres for grassland management. EQIP PAYMENT INCLUDES FOREGONE INCOME, WHIP DOES NOT.
Fence	382	Permanent \$4.57/Ft Movable Temporary \$1.44/Ft Special Use \$13.75/Ft	Permanent \$3.27/Ft Movable Temporary \$1.03/Ft Special Use \$9.84/Ft	Permanent \$3.92/Ft Movable Temporary \$1.24/Ft Special Use \$11.81/Ft	20	To protect riparian areas, restoration projects and other sensitive habitats.
Field Border	386	Cool season grass \$0.19/Ft Permanent border \$.40/Ft	Cool season grass \$0.14/Ft Permanent border \$.30/Ft	Cool season grass \$0.17/Ft Permanent border \$.35/Ft	10	A 20 foot wide by 1,452 foot strip of permanent vegetation will be established at the edge of a field. Use "cool season grass" for wildlife habitat/cover & sediment/nutrient capture.
Firebreak	394	Partially Wooded \$4.54/LnFt Open \$0.76/LnFt	Partially Wooded \$3.26/LnFt Openland \$0.55/LnFt	Partially Wooded \$3.91/LnFt Openland \$0.66/LnFt	10	Used in conjunction with Prescribed Burning
Fish Passage	396	Arch Culverts 20' x 8' 3.5" \$1214.85 LnFt Arch Culverts 16' x 6' 7.5" \$785.40 LnFt Fish Ladder \$180,892.95 each Dam Removal \$6398.39/ LnFt	Arch Culverts 20' x 8' 3.5" \$867.75 LnFt Arch Culverts 16' x 6' 7.5" \$561 LnFt Fish Ladder \$129,209.25 each Dam Removal \$4570.28/ LnFt	Arch Culverts 20' x 8' 3.5" \$1041.30 LnFt Arch Culverts 16' x 6' 7.5" \$673.20 LnFt Fish Ladder \$155,050.10 each Dam Removal \$5484.34/ LnFt	15	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
Forest Stand Improvement	666	Dense Softwood \$686.40/Ac Hardwood & Softwood \$514.80 Storm Damaged Stands \$1,796.96/Ac	Dense Softwood \$491.40/Ac Hardwood & Softwood \$368.55/Ac Storm Damaged Stands \$1,286.46/Ac	Dense Softwood \$589.68/Ac Hardwood & Softwood \$442.26 Storm Damaged Stands \$1,543.75/Ac	10	For cutting in stands to meet an identified wildlife habitat objective, such as managing softwood cover for deer yarding areas or cutting red maple to develop browse. Storm damage payment is to prepare severely damaged stands (>50% crown damage) with little salvageable timber to meet identified wildlife habitat objective.
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	Average Sites \$3,393/Ac Moderately Difficult Sites \$7,823.45/Ac Difficult Sites \$10,818/Ac Landings \$1,773.00Ac	Average Sites \$4,071.60/Ac Moderately Difficult Sites \$9,388.15/Ac Difficult Sites \$12,981.60/Ac Landings \$2,127.60/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 or mulched with slash.
Obstruction Removal	500	Tree and Boulder Removal \$3,141.60/Ac Debris Removal \$2,490.40/Ac	Tree and Boulder Removal \$2,249.10/Ac Debris Removal \$1,782.90/Ac	Tree and Boulder Removal \$2,698.92/Ac Debris Removal \$2,139.48/Ac	10	To facilitate installation of habitat improvement and restoration practices. <u>Maximum of one acre per contract.</u>

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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 \$110/Ac Invasives - Average Chemical \$357.50/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 \$78.75/Ac Invasives - Average Chemical \$255.94/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 \$94.50/Ac Invasives - Average Chemical \$307.13/Ac	1	Invasive and Non-Native Plant Species Control -All agricultural and forest lands -invasive and non-native plant species control, maximum of three years treatment, does not need to be consecutive years.
Prescribed Burning	338	Open Land Burning \$1415.87/Ac Pine/Scrub Oak \$4,876/Ac	Open Land Burning \$1015.73/Ac Pine/Scrub Oak \$3,498/Ac	Open Land Burning \$1218.88/Ac Pine/Scrub Oak \$4,197.60/Ac	5	State Office approval is required to plan this practices. Includes burning plan development and application by a qualified third party.
Restoration and Management of Declining Habitats	643	Declining forest \$2,366/Ac Eelgrass Restoration \$42,550/Ac Oyster Bed Restoration \$50,025/Ac Barrens and Rare Forests \$1,680/Ac T&E Species Habitat \$2,625/Ac	Declining forest \$1,962/Ac Eelgrass Restoration \$30,525/Ac Oyster Bed Restoration \$35,887.50/Ac Barrens and Rare Forests \$1,200/Ac T&E Species Habitat \$1,875/Ac	Declining forest \$2,204.40/Ac Eelgrass Restoration \$36,630/Ac Oyster Bed Restoration \$43,065/Ac Barrens and Rare Forests \$1,440/Ac T&E Species Habitat \$2,250/Ac	15	For restoration and management of priority declining habitats.
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" \$49.72/Ft 36" \$92.66/Ft >36" \$129.95/Ft Concrete 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	Culverts 12" - 24" \$36.30/Ft 36" \$67.65/Ft >36" \$94.88 /Ft Concrete Box Culvert \$373.77/Ft Stone Fords \$35.95/Ft Timber Bridge \$743.63/Ft Steel Bridge \$949.69/Ft Pre Fab Bridge \$1,204.41/Ft	Culverts 12" - 24" \$43.56/Ft 36" \$81.18/Ft >36" \$113.85/Ft Concrete Box Culvert \$448.52/Ft Stone Fords \$43.14/Ft Timber Bridge \$892.36/Ft Steel Bridge \$1,139.63/Ft Pre Fab Bridge \$1,445.29/Ft	10	Culverts, stone fords, and bridges only where required for access of heavy machinery to install wildlife practices.
Stream Habitat Improvement and Management	395	Culvert Removal \$2,173.31 Ea Riparian Management \$140/Ac Log Jam \$232 Ea Streambank Habitat \$88.13/Ln Ft	Culvert Removal \$1,412.51 Ea Riparian Management \$67.50/Ac Log Jam \$174 Ea Streambank Habitat \$64.20/Ln Ft	Culvert Removal \$1,695.01 Ea Riparian Management \$81.00/Ac Log Jam \$208.80 Ea Streambank Habitat \$77.05/Ln Ft	10	Log Jam DES restoration permit required
Streambank & Shoreline Protection	580	\$154/Ln Ft	\$110.25/Ln Ft	\$132.30/Ln Ft	20	Includes removal of fallen trees, shaping, revegetation, and rock protection of the toe of the slope. To protect critical fish or wildlife habitat or significant cultural resources.

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Structure for Water Control	587	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" \$15093.75 Pipe Replacement >21" \$26852.50	Gabion Structure \$714.65/Ft In-line Water Level Control \$6,552.98/Ea Instream Rock Chute \$200.07/Ln /Ft Pipe Replacement 12" - 18" \$10828.13 Pipe Replacement >21" \$19263.75	Gabion Structure \$857.58/Ft In-line Water Level Control \$7,863.57/Ea Instream Rock Chute \$240.09/Ln Ft Pipe Replacement 12" - 18" \$12993.75 Pipe Replacement >21" \$23116.50	20	Use Stream Crossing practice for culverts, fords and bridges
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 Pruning	660	Mast Tree Pruning \$50.88/Tree	Mast Tree Pruning \$37.08/Tree	Mast Tree Pruning \$44.50/Tree		For pruning fruit trees for wildlife food production
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 Softwood Retention \$216/Ac Brush Piles \$261/Ea Large Bird Houses \$410.30/Ea Small Birdhouses \$36.60/Ea	Hardwood Mast \$445.44/Ac Softwood Retention \$187/Ac Brush Piles \$195.75/Ea Large Bird Houses \$293.74/Ea Small Birdhouses \$27.45/Ea	Hardwood Mast \$534.53/Ac Softwood Retention \$204/Ac Brush Piles \$234.90/Ea Large Bird Houses \$352.49/Ea Small Birdhouses \$32.94/Ea	1	
Wetland Enhancement	659	Broadcast Native Wetland Mix \$2,827.10/Ac Native Wetland Plugs \$6,138.00/Ac Hydrologic Improvement \$42.41/Cu Yd	Broadcast Native Wetland Mix \$2,023.50/Ac Native Wetland Plugs \$4,394.25/Ac Hydrologic Improvement \$30.31/Cu Yd	Broadcast Native Wetland Mix \$2,428.20/Ac Native Wetland Plugs \$5,273.10/Ac Hydrologic Improvement \$36.37/Cu Yd	15	Use to enhance wetland functions in degraded wetlands, including vernal pools. Does not include dredging of existing ponds.
Wetland Restoration	657	Salt Marsh \$54.57/Cy Fresh Water Wetland \$13.72/Cy Ditch Plugs \$2,642.22/Ac	Salt Marsh \$39.07/Cy Fresh Water Wetland \$9.82/cy Ditch Plugs \$1,756.67/Ac	Salt Marsh \$46.88/Cy Fresh Water Wetland \$11.79/cy Ditch Plugs \$2,108.00/Ac	15	Use to restore wetland functions and values to approximate "pre-disturbance" condition.
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.
Windbreak Establishment	380	\$3,356/Ac	\$2517/Ac	\$3020.40/Ac	15	