Practice and Scenario Description:

Tractice and Section Descripti	ion.	
Information Type	Data	
Region	Appalachian	
State	North Carolina	
Discipline Group	Forestry	
Practice Code/Name	666 - Forest Stand Improvement	
Scenario ID	1	
Scenario Name	Pre-commercial Thinning, Hand tools	
Scenario Description		-merchantable stand of trees. The operation is supervised by a consultant forester and is carried out using hand tools suc Undesirable plant productivity and health; Wildlife habitat degradation; Wildfire hazard; and Inadequate structure and
Before Practice Situation	The stocking of a stand of trees that ar	e too small to make a commercial thinning exceeds the recommended fully stocked level for the species and site. The eff e or expected for the site, increased susceptibility to insects and disease, and an unacceptable devastating wildfire risk.
After Practice Situation	After adjusting the stocking to an acce increase of sunlight reaching the fores	ptable level, stand growth, condition, and overall quality is improved. In addition, wildlife habitat is improved with the re t floor.
Scenario Feature Measure	Area treated	
Scenario Unit	Acre	
Scenario Typical Size	20	

Cost Summary:

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$0.00	\$0.00
Equipment/Installation	\$471.60	\$23.58
Labor	\$1,797.00	\$89.85
Mobilization	\$191.70	\$9.59
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$2,460,30	\$123.02

Cost Details:

Cost Category	Component ID	Component Name	Component Description	Unit	Price (\$/unit)	Quantity	Cost
.ost category	Component is	component runne	Equipment and power unit costs. Labor not	OTTIC	Trice (\$7 anie)	Quantity	COSt
Equipment/Installation	937	Chainsaw	included.	Hour	\$5.44	48	\$261.12
			Equipment and power unit costs. Labor not		1		,
Equipment/Installation	939	Truck, Pickup	included.	Hour	\$26.31	8	\$210.48
Labor	231	General Labor	Labor performed using basic tools such as power tool, shovels, and other tools that do not require extensive training. Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	\$18.67	48	\$896.16
abor	231	Gerieral Labor	spreader, Hagger, etc.	nour	\$18.07	48	\$890.10
Labor	235	Specialist Labor	Labor requiring a specialized skill set: Includes Agronomists, Foresters, Biologists, etc. to provide additional technical information during the planning and implementation of the practice. Does not include NRCS or TSP services.	Hour	\$75.07	12	\$900.84
	255	Specialist Educi	SCI VICES.	11001	ψ, 3.0 <i>i</i>		Ç300.0 î
Mobilization	1146	Mobilization, Specialist Labor	Mobilization of Specialist Labor. Includes Agronomists, Foresters, Biologists, etc.	Hour	\$77.30	2	\$154.60
			Mobilization of general labor: Ex. pipe layer,				
Mobilization	1142	Mobilization, General labor	herder, concrete placement, materials spreader, flagger, etc.	Hour	\$18.55	2	\$37.10
IVIODIIIZation	1142	Modifization, General labor	spreader, nagger, etc.	noui	\$10.33	Z	<i>γ</i> 57.10

Practice and Scenario Description:

Information Type	Data	
Region	Appalachian	
State	North Carolina	
Discipline Group	Forestry	
Practice Code/Name	666 - Forest Stand Improvement	
Scenario ID	7	
Scenario Name	Creating Patch Clearcuts	
	Creating 2 acre patches in over-mature	e and/or degraded stands using hand tools such as chainsaws. Resource concerns include: Undesirable plant productivity and
Scenario Description	health, Inadequate structure and comp	
	The existing stand is overly mature and	d/or has been degraded in value by past harvesting practices. The level of acceptable growing stock is too low to justify
	managing this stand in its present cond	dition. The present form, species composition and structure cannot meet the resource concerns and landowner objectives.
	Creating small openings by cutting all f	trees greater than 2" in diameter will foster the regeneration of high-value shade intolerant species. The work will be done with
Before Practice Situation	chainsaws.	
After Practice Situation	A new, young stand of desirable specie	es is established In addition, early successional wildlife habitat as well as forest type diversity are created.
Scenario Feature Measure	Area treated	

Cost Summary:

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$0.00	\$0.00
Equipment/Installation	\$192.28	\$96.14
Labor	\$582.16	\$291.08
Mobilization	\$214.64	\$107.32
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$989.08	\$494.54

Cost Details:

Cost Details:							
Cost Category	Component ID	Component Name	Component Description	Unit	Price (\$/unit)	Quantity	Cost
			Equipment and power unit costs. Labor not				
Equipment/Installation	937	Chainsaw	included.	Hour	\$5.44	16	\$87.04
			Equipment and power unit costs. Labor not				
Equipment/Installation	939	Truck, Pickup	included.	Hour	\$26.31	4	\$105.24
			Labor involving supervision or management				
			activities. Includes crew supervisors, foremen				
			and farm/ranch managers time required for				
Labor	234	Supervisor or Manager	adopting new technology, etc.	Hour	\$35.43	8	\$283.44
			Labor performed using basic tools such as				
			power tool, shovels, and other tools that do				
			not require extensive training. Ex. pipe layer,				
			herder, concrete placement, materials				
Labor	231	General Labor	, , , , ,	Hour	\$18.67	16	\$298.72
			Mobilization of general labor: Ex. pipe layer,				
			herder, concrete placement, materials		440.55		474.00
Mobilization	1142	Mobilization, General labor	spreader, flagger, etc.	Hour	\$18.55	4	\$74.20
			Mahilization of supervisors or management				
		Mobilization Supervisor or	Mobilization of supervisors or management.				
Mahilization	1145	Mobilization, Supervisor or	Includes crew supervisors, foremen and	Heur	Ć2F 11		¢140.44
Mobilization	1145	Manager	farm/ranch managers, etc.	Hour	\$35.11	4	\$140.44

Practice and Scenario Description:

Practice and Scenario Descrip	non:	
Information Type	Data	
Region	Appalachian	
State	North Carolina	
Discipline Group	Forestry	
Practice Code/Name	666 - Forest Stand Improvement	
Scenario ID	8	
Scenario Name	Wildlife Habitat Improvement	
Scenario Description	A combination of hand and chemical treatments used to open the canopy of a stand to improve the wildlife habitat and Inadequate structure and composition, Undesirable plant productivity and health, and Habitat degradation.	
Before Practice Situation	The stand of mature trees is overstocked resulting in a closed canopy. This condition is causing a lack of structure, hert meet the landowner's objectives for improved wildlife habitat and forest health. Under the supervision of a consultant timber stand improvement applications that will include cutting with hand tools (chainsaws) and injection. Costs involved marking, access, and transportation are not included in this scenario. However the costs involved in marking trees to b included.	forester, it will be marked for thinning and wed in any commercial harvesting including
After Practice Situation	The stand is treated to favor diversity of important commercial and wildlife species. The canopy is opened to the exter the work is performed without excessive damage to the residual trees and site.	it necessary to promote herbaceous growth and

Scenario Typical Size Cost Summary:

Scenario Unit

Scenario Feature Measure

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$255.70	\$12.79
Equipment/Installation	\$1,124.72	\$56.24
Labor	\$3,898.96	\$194.95
Mobilization	\$479.25	\$23.96
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$5,758,63	\$287.93

Acres treated

Cost Details:

Cost Details:							
Cost Category	Component ID	Component Name	Component Description	Unit	Price (\$/unit)	Quantity	Cost
			Trees to be cut through tree marking are				
			physically identified through the application of				
			paint on the tree. Typically one quart of paint				
Materials	313	Tree Marking Paint	is used to mark one acre of trees.	Acre	\$5.02	10	\$50.20
			Broad spectrum herbicide. Refer to WIN-PST				
			for product names and active ingredients.				
Materials	1321	Herbicide, Triazine	Materials only.	Acre	\$41.10	5	\$205.50
			Includes equipment, power unit and labor				
Equipment/Installation	965	All terrain vehicles, ATV		Hour	\$28.76	16	\$460.16
			Ground applied chemical to individual plants				
			or group of plants, e.g., backpack sprayer				
			treatment. Equipment and labor cost				
Equipment/Installation	964	stem application		Hour	\$55.87	8	\$446.96
			Equipment and power unit costs. Labor not				
Equipment/Installation	937	Chainsaw	included.	Hour	\$5.44	40	\$217.60
			Labor performed using basic tools such as				
			power tool, shovels, and other tools that do				
			not require extensive training. Ex. pipe layer,				
			herder, concrete placement, materials				
Labor	231	General Labor	spreader, flagger, etc.	Hour	\$18.67	48	\$896.16
			Labor requiring a specialized skill set: Includes				
			Agronomists, Foresters, Biologists, etc. to				
			provide additional technical information				
			during the planning and implementation of				
I - b	225	Specialist Labor	the practice. Does not include NRCS or TSP		\$75.07		¢2.002.00
Labor	235	Specialist Labor	services.	Hour	\$73.07	40	\$3,002.80
			Mobilization of Specialist Labor. Includes				
Mobilization	1146	Mobilization, Specialist Labor	· ·	Hour	\$77.30	5	\$386.50
WODIIIZaciOH	1140	iviounization, specialist Labor	Mobilization of general labor: Ex. pipe layer,	rioui	\$77.5U	,	J360.30
			herder, concrete placement, materials				
Mobilization	1142	Mobilization, General labor	The state of the s	Hour	\$18.55	5	\$92.75
INIODIIIZUGUII	1174	Modifization, deficial labol	spreader, nagger, etc.	Houl	710.33	9	YJE.13

Practice and Scenario Description:

Information Type	Data	
Region	Appalachian	
State	North Carolina	
Discipline Group	Forestry	
Practice Code/Name	666 - Forest Stand Improvement	
Scenario ID	2	
Scenario Name	Timber Stand Improvement, Single Ste	em Treatment
	Altering the composition and stocking	of a stand of trees by means of individual stem treatment. The trees to be retained are marked by a consultant forester.
Scenario Description		e plant productivity and health; Wildlife habitat degradation; Wildfire hazard; and Inadequate structure and composition.
	•	anot meet the landowners objectives because the composition consists of unwanted species and the stocking exceeds the
Before Practice Situation	recommended level. The species and out with single stem treatment such a	quality of the trees to be controlled makes a commercial operation unfeasible. Therefore the stand improvement will be carried s injection or basal bark spraying.
After Practice Situation	The composition of the stand can mee	t the landowners objectives and the growth, condition and quality of the remaining trees is improved.
Scenario Feature Measure	Acres treated	
Scenario Unit	Acres	
Scenario Typical Size	10	

Cost Summary:

,		
Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$126.30	\$12.63
Equipment/Installation	\$1,137.52	\$113.75
Labor	\$450.42	\$45.04
Mobilization	\$231.90	\$23.19
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$1,946.14	\$194.61

Cost Details:

Cost Details.							
Cost Category	Component ID	Component Name	Component Description	Unit	Price (\$/unit)	Quantity	Cost
			A systemic herbicide used for general woody				
			plant control. Product is typically used in				
			these practices 314, 595, 666, and 645. Refer				
			to WIN-PST for product names and active				
Materials	337	Herbicide, Picloram	ingredients. Materials only.	Acre	\$12.63	10	\$126.30
			Ground applied chemical to individual plants				
			or group of plants, e.g., backpack sprayer				
		Chemical, spot treatment, single	treatment. Equipment and labor cost				
Equipment/Installation	964	stem application	included.	Hour	\$55.87	10	\$558.70
			Equipment and power unit costs. Labor not				
Equipment/Installation	939	Truck, Pickup	included.	Hour	\$26.31	22	\$578.82
			Labor requiring a specialized skill set: Includes				
			Agronomists, Foresters, Biologists, etc. to				
			provide additional technical information				
			during the planning and implementation of				
			the practice. Does not include NRCS or TSP				
Labor	235	Specialist Labor	services.	Hour	\$75.07	6	\$450.42
			Mobilization of Specialist Labor. Includes				
Mobilization	1146	Mobilization, Specialist Labor	Agronomists, Foresters, Biologists, etc.	Hour	\$77.30	3	\$231.90

Practice and Scenario Description:

r ractice and ocenario bescript	1011.	
Information Type	Data	
Region	Appalachian	
State	North Carolina	
Discipline Group	Forestry	
Practice Code/Name	666 - Forest Stand Improvement	
Scenario ID	5	
Scenario Name	Competition Control, Mechanical, Light E	quipment
Scenario Description		ith brush hog to control vegetation that is competing with desirable trees and species or to reduce the stocking level of a rns include Undesirable plant productivity and health; Wildlife habitat degradation; Wildlifre hazard; and Inadequate
Before Practice Situation	, 5	sely affected by competition either from undesirable species or because the stand is overstocked. The vegetation to be nowed or shredded. The work can be done by mowing or shredding strips through the stand, mowing between planted
After Practice Situation		ble level and/or controlling the competing vegetation, stand growth, condition, and overall quality is improved. In addition, lting increase of sunlight reaching the forest floor.
Scenario Feature Measure	Area Treated	
Scenario Unit	Acre	
Scenario Typical Size	10	

Cost Summary:

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$0.00	\$0.00
Equipment/Installation	\$480.82	\$48.08
Labor	\$196.20	\$19.62
Mobilization	\$102.06	\$10.21
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$779.08	\$77.91

Cost Details:

Cost Details:							
Cost Category	Component ID	Component Name	Component Description	Unit	Price (\$/unit)	Quantity	Cost
			Equipment and power unit costs. Labor not				
Equipment/Installation	939	Truck, Pickup	included.	Hour	\$26.31	2	\$52.62
			Equipment and power unit costs. Labor not				
Equipment/Installation	940	Mower, Bush Hog	included.	Hour	\$42.82	10	\$428.20
			Includes: Skid Steer Loaders, Hydraulic				
			Excavators <50 HP, Trenchers <12", Ag				
			Equipment <150 HP, Pickup Trucks, Forklifts,				
Labor	232	Equipment Operators, Light	Mulchers	Hour	\$19.62	10	\$196.20
			Mobilization of light equipment operators:				
			Skid Steer Loaders, Hydraulic Excavators <50				
		Mobilization, Light Equipment	HP, Trenchers <12", Ag Equipment <150 HP,				
Mobilization	1143	Operator	Pickup Trucks, Forklifts, Mulchers	Hour	\$19.43	2	\$38.86
			Equipment <70 HP but can't be transported by				
			a pick-up truck or with typical weights				
Mobilization	1138	Mobilization, small equipment	between 3,500 to 14,000 pounds.	Each	\$63.20	1	\$63.20

Practice and Scenario Description:

· · active and occinatio occinpen	VIII.	
Information Type	Data	
Region	Appalachian	
State	North Carolina	
Discipline Group	Forestry	
Practice Code/Name	666 - Forest Stand Improvement	
Scenario ID	6	
Scenario Name	Competition Control, Mechanical, Hea	vy Equipment
		or mulcher to control vegetation that is competing with desirable trees and species or to reduce the stocking level of a
	desirable trees. The trees to be retain	ed will be marked by a consultant. Resource concerns include Undesirable plant productivity and health; Wildlife habita
Scenario Description	degradation; Wildfire hazard; and Inac	dequate structure and composition.
		# . II
D. C. D C	· · · · · · · · · · · · · · · · · · ·	raffected by competition either from undesirable species, cull trees, or because the stand is overstocked. The vegetation
Before Practice Situation		shredded. Therefore other mechanical methods such as using masticators or mulchers is necessary.
After Practice Situation	The released stand of trees contains the	ne composition and quality needed to meet the landowner's objectives and address the resource concerns.
Scenario Feature Measure	Area treated	
Scenario Unit	Acre	
Scenario Typical Size	10	

Cost Summary:

,		
Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$0.00	\$0.00
Equipment/Installation	\$1,898.72	\$189.87
Labor	\$914.48	\$91.45
Mobilization	\$247.20	\$24.72
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$3,060.40	\$306.04

Cost Details:

cost betails.							
Cost Category	Component ID	Component Name	Component Description	Unit	Price (\$/unit)	Quantity	Cost
			Masticator, flail shredder, hydro axe, brush				
			cutter, etc. Equipment and power unit costs.				
Equipment/Installation	943	Mechanical cutter, chopper	Labor not included.	Hour	\$118.67	16	\$1,898.72
			Includes: Skid Steer Loaders, Hydraulic				
			Excavators <50 HP, Trenchers <12", Ag				
			Equipment <150 HP, Pickup Trucks, Forklifts,				
Labor	232	Equipment Operators, Light	Mulchers	Hour	\$19.62	16	\$313.92
			Labor requiring a specialized skill set: Includes				
			Agronomists, Foresters, Biologists, etc. to				
			provide additional technical information				
			during the planning and implementation of				
			the practice. Does not include NRCS or TSP				
Labor	235	Specialist Labor	services.	Hour	\$75.07	8	\$600.56
			Mobilization of Specialist Labor. Includes				
Mobilization	1146	Mobilization, Specialist Labor	Agronomists, Foresters, Biologists, etc.	Hour	\$77.30	2	\$154.60
			Equipment with 70-150 HP or typical weights				
Mobilization	1139	Mobilization, medium equipment	between 14,000 and 30,000 pounds.	Each	\$92.60	1	\$92.60

Practice and Scenario Description:

Information Type	Data	
Region	Appalachian	
State	North Carolina	
Discipline Group	Forestry	
Practice Code/Name	666 - Forest Stand Improvement	
Scenario ID	3	
Scenario Name	Timber Stand Improvement, Chemical, Gro	ound
Scenario Description	Using ground applied chemicals to release productivity and health, and Wildlife habit	young desirable trees from competing and/or overtopping vegetation. Resource concerns include: Undesirable plant tat degradation.
·		species and trees is not growing to its potential for the site due to severe competition from undesirable trees and brush. npetition will be achieved through the application of appropriate herbicides according to label directions. Application will be
Before Practice Situation	by ground equipment as an over-the-top s	pray.
After Practice Situation	The released stand of trees contains the co	omposition and quality needed to meet the landowner's objectives and address the resource concerns.
Scenario Feature Measure	Acres treated	
Scenario Unit	Acre	
Scenario Typical Size	40	

Cost Summary:

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$3,216.00	\$80.40
Equipment/Installation	\$176.40	\$4.41
Labor	\$283.44	\$7.09
Mobilization	\$218.16	\$5.45
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$3,894.00	\$97.35

Cost Details:

Cost Category	Component ID	Component Name	Component Description	Unit	Price (\$/unit)	Quantity	Cost
			Confestant and on the confess to the				
			Surfactants reduce the surface tension of water to produce more uniform coverage and				
			penetration of herbicides, and weed killers.				
			Paraffin Based Petroleum Surfactant. Refer to				
			WIN-PST for product names and active				
Materials	1095	Herbicide, Surfactant	· ·	Acre	\$1.09	40	\$43.60
			Pre and post-emergent, non-selective				
			herbicide for control of undesirable vegetation				
			in non-crop areas. Product is typically used in				
			these practices 314, 595, 666 and 645. Refer to WIN-PST for product names and active				
Materials	336	Harbicida Imazanur		Acre	\$79.31	40	\$3,172.40
ateriais	336	Herbicide, Imazapyr	Chemical application performed by ground	Acre	\$79.31	40	\$3,172.40
			equipment. Includes equipment, power unit				
quipment/Installation	948	Chemical, ground application		Acre	\$4.41	40	\$176.40
			Labor involving supervision or management				
			activities. Includes crew supervisors, foremen				
			and farm/ranch managers time required for				
abor	234	Supervisor or Manager	adopting new technology, etc.	Hour	\$35.43	8	\$283.44
			Mobilization of light equipment operators:				
			Skid Steer Loaders, Hydraulic Excavators <50				
		Mobilization, Light Equipment	HP, Trenchers <12", Ag Equipment <150 HP,				
Mobilization	1143	Operator Operator		Hour	\$19.43	4	\$77.72
			Mobilization of supervisors or management.				
		Mobilization, Supervisor or	Includes crew supervisors, foremen and				
Mobilization	1145	Manager	· · · · · · · · · · · · · · · · · · ·	Hour	\$35.11	4	\$140.44
IODIIIZation	1143	ivianagei	rarmyranen managers, etc.	Tioui	JJJ.11	-	7140.44

Practice and Scenario Description:

Information Type	Data	
Region	Appalachian	
State	North Carolina	
Discipline Group	Forestry	
Practice Code/Name	666 - Forest Stand Improvement	
Scenario ID	4	
Scenario Name	Timber Stand Improvement, Chemical, A	erial
Scenario Description	and health, and Wildlife habitat degradat	
	Releasing the desirable trees from the co	e species and trees is not growing to its potential for the site due to severe competition from undesirable trees and brus ompetition will be achieved through the application of appropriate herbicides according to label directions. Application
Before Practice Situation	by helicopter as an over-the-top spray. T	he work will be professionally planned and supervised.
After Practice Situation	The released stand of trees contains the	composition and quality needed to meet the landowner's objectives and address the resource concerns.
Scenario Feature Measure	Area treated	
Scenario Unit	Acre	
Scenario Typical Size	40	

Cost Summary:

Cost Category	Scenario Cost	Scenario Cost/Unit		
Materials	\$3,216.00	\$80.40		
Equipment/Installation	\$1,183.20	\$29.58		
Labor	\$283.44	\$7.09		
Mobilization	\$280.88	\$7.02		
Acquisition of Technical Knowledge	\$0.00	\$0.00		
Foregone Income	\$0.00	\$0.00		
Total	\$4,963.52	\$124.09		

Cost Details:

Cost Category	Component ID	Component Name	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Materials	1095		Surfactants reduce the surface tension of water to produce more uniform coverage and penetration of herbicides, and weed killers. Paraffin Based Petroleum Surfactant. Refer to WIN-PST for product names and active ingredients. Materials only.	Acre	\$1.09	40	\$43.60
			Pre and post-emergent, non-selective herbicide for control of undesirable vegetation in non-crop areas. Product is typically used in these practices 314, 595, 666 and 645. Refer to WIN-PST for product names and active				
Materials	336	Herbicide, Imazapyr	ingredients. Materials only.	Acre	\$79.31	40	\$3,172.40
Equipment/Installation		Chemical, aerial application,	Chemical application performed by helicopter on forest only. Includes equipment, mobilization, and labor.	Acre	\$29.58	40	\$1,183.20
Labor	234		Labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	\$35.43	8	\$283.44
Mobilization		Mobilization, Supervisor or	Mobilization of supervisors or management. Includes crew supervisors, foremen and farm/ranch managers, etc.	Hour	\$35.11	8	\$280.88

Practice and Scenario Description:

Practice and Scenario Descriptio	n:						
Information Type	Data						
Region	Appalachian						
State	North Carolina						
Discipline Group	Forestry						
Practice Code/Name	666 - Forest Stand Improvement						
Scenario ID	9						
Scenario Name	Managing Commercial Sale to Enhance Wildlife Habitat						
Scenario Description	operation is carefully monitored to en index in order to maximize wildlife hal	A mid-rotation stand of Southern Yellow Pine capable is being commercially thinned. The treatment area is marked by a consulting forester. A commercial thinning operation is carefully monitored to ensure the harvest removes a sufficient number of trees to leave a stand density that is between 50-80% of the 50-year pine site index in order to maximize wildlife habitat potential. The cost for this scenario is based on the labor for a professional forester or wildlife biologist to provide timber marking and sale supervision to ensure that the treatment is sliviculturally sound and damage to the residual stand is minimized.					
Before Practice Situation	growth of native understory grasses as	A mid-rotation stand of Southern Yellow Pine has densities that cause heavy shading and needle drop on the forest floor. The shade and duff accumulation suppresses growth of native understory grasses and forbs to an extent that habitat conditions for desired wildlife species are less than optimal. Application of this practice scenario results in an open canopy condition providing more sunlight on the forest floor. The risk of damage and disease in the residual					
After Practice Situation	stand is reduced significantly, due to close supervision of the logger by the consulting forester. Habitat potential for desired species is maximized by increased regeneration of the forest understory. Health, productivity and vigor of remaining crop trees is also improved.						
Scenario Feature Measure							
Scenario Unit	Acre						
Scenario Typical Size	25						

Cost Summary:

,				
Cost Category	Scenario Cost	Scenario Cost/Unit		
Materials	\$125.50	\$5.02		
Equipment/Installation	\$0.00	\$0.00		
Labor	\$1,501.40	\$60.06		
Mobilization	\$463.80	\$18.55		
Acquisition of Technical Knowledge	\$0.00	\$0.00		
Foregone Income	\$0.00	\$0.00		
Total	\$2.090.70	\$83.63		

Cost Details:

Cost Details:							
Cost Category	Component ID	Component Name	Component Description	Unit	Price (\$/unit)	Quantity	Cost
			Trees to be cut through tree marking are				
			physically identified through the application of				
			paint on the tree. Typically one quart of paint				
Materials	313	Tree Marking Paint	is used to mark one acre of trees.	Acre	\$5.02	25	\$125.50
			Labor requiring a specialized skill set: Includes				
			Agronomists, Foresters, Biologists, etc. to				
			provide additional technical information				
			during the planning and implementation of				
			the practice. Does not include NRCS or TSP				
Labor	235	Specialist Labor	services.	Hour	\$75.07	20	\$1,501.40
			Mobilization of Specialist Labor. Includes				
Mobilization	1146	Mobilization, Specialist Labor	Agronomists, Foresters, Biologists, etc.	Hour	\$77.30	6	\$463.80