

**FOREST RESOURCE TRUST
STAND ESTABLISHMENT PROGRAM
PROJECT PLAN**

18 acres

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 Environmental Restoration and Coordination..... Not applicable
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Summary Table of Project Costs

Per Acre Cost	Landowner Responsibility			Forest Resource Trust Cost			Entire Project Shared Cost (\$/acre)
	Known (\$/acre)	Contingent (\$/acre)	TOTAL (\$/acre)	Known (\$/acre)	Contingent (\$/acre)	TOTAL (\$/acre)	
Site preparation	----	----	----	\$225.00	----	\$225.00	\$225.00
Planting	----	----	----	\$267.00	\$58.00	\$325.00	\$325.00
Protection	----	----	----	----	----	----	----
Moisture Conservation	----	----	----	\$92.00	----	\$92.00	\$92.00
Release	----	----	----	----	\$120.61	\$120.61	\$120.61
Consultant Fees	----	----	----	\$155.44	\$63.78	\$219.22	\$219.22
Project Plan	----	----	----	\$37.22	----	\$37.22	\$37.22
Total	----	----	----	\$776.66	\$242.39	\$1,019.05	\$1,019.05
Total Costs	Landowner Responsibility			Forest Resource Trust Cost			Shared Cost
	Known	Contingent	TOTAL	Known	Contingent	TOTAL	
18 acres							
Site preparation	----	----	----	\$4,050.00	----	\$4,050.00	\$4,050.00
Planting	----	----	----	\$4,806.00	\$1,044.00	\$5,850.00	\$5,850.00
Protection	----	----	----	----	----	----	----
Moisture Conservation	----	----	----	\$1,656.00	----	\$1,656.00	\$1,656.00
Release	----	----	----	----	\$2,171.00	\$2,171.00	\$2,171.00
Consultant Fees	----	----	----	\$2,798.00	\$1,148.00	\$3,946.00	\$3,946.00
Project Plan	----	----	----	\$670.00	----	\$670.00	\$670.00
Total				\$13,980.00	\$4,363.00	\$18,343.00	\$18,343.00

***Budgeted Cost Payable by the Forest Resource Trust (Rounded) = \$18,350**

**FOREST RESOURCE TRUST
STAND ESTABLISHMENT PROGRAM
PROJECT AREA DESCRIPTION**

Project Name:

Acres	Existing Condition and Planned Species to Plant	Other Items of Concern	Soil Type, Site Class
Area 1 –18 acres	The project area is basically an old hay field. There is a strip of blackberries and scotch broom existing on the north and west side of the property. The area is basically flat with slopes 0 – 10%.	Blackberries and scotch broom will need to be controlled in addition to the grass after planting.	~ 20% Dupee silt loam ~ 11% Hazelair silty clay loam ~ 59% Nekia silty clay loam DF Site Index 151 (base yr 100) High Site III ~10% McAlpin silty clay loam DF Site Index 159 (base yr 100) Low Site II

**FOREST RESOURCE TRUST
STAND ESTABLISHMENT PROGRAM
PROJECT PLAN – KNOWN PRACTICES**

Project Name:

Category	Approved Practice	Instructions or other special considerations	Chemical Name, Carrier & Rate	Degree of Difficulty	Completion Date	Cost (specify unit for cost)
<i>Area 1- Known Practices</i>						
Site Preparation	Spray	Site prep spray using ground equip in late spring	2 qt Round-up Original/ac (Spray scotch broom & berries with Garlon 4)	easy	05-31-02	\$65.00 per acre \$1,170.00
Site Preparation	Scarify with cat equipped with brush rake, rip field	Scarify approx 3-4 acres of unit containing blackberries and scotch broom, rip field on 9 - 10 ft intervals		easy	08-30-02	\$160.00 per acre \$2,880.00
Tree Planting	Seedlings (400 trees per acre)	6,800 Douglas-fir 1+1, seed zone 262, 400 valley ponderosa pine in wet areas			order in fall	\$0.4175 per tree \$167.00 per acre \$3,006.00
Tree planting	Planting labor	400 trees/ac 10' spacing, plant in rips		easy	03-31-03	\$.025 per tree \$100.00 per acre \$1,800.00
Moisture Conservation	Ground chemical spring spray	Broadcast spray to control grasses using Backpack	2 oz Oust, 2 qt Velpar L	Hard	04-15-03	\$92.00/acre \$1,656.00

Original planting (Known)

SPECIES	TYPE*	SEED ZONE	ELEVATION	TREES/AC	SPACING	AMOUNT
Douglas-fir	1+1	Zone 6 or 8 (new) Zone 262 (old)	500 - 1000'	380 - 400	10' spacing	6800 seedlings
Valley ponderosa pine	2-0	Zone 6 or 8 (new) Zone 262 *(old)	500 – 1000'	Wet areas	10' spacing	400 seedlings

*Specific type of tree mentioned above is not as critical as the minimum specifications of 4.0 mm caliper, 8" top and 9" root for conifer.

**FOREST RESOURCE TRUST
STAND ESTABLISHMENT PROGRAM
PROJECT PLAN – CONTINGENCIES (MAY OR MAY NOT BE NEEDED)**

Project Name:

Category	Approved Practice	Instructions or other special considerations	Chemical Name, Carrier & Rate	Degree of Difficulty	Completion Date	Cost (specify unit for cost)
<i>Area 1—Contingent Practices</i>						
Tree planting	Interplant	Plant up to 80 trees per acres in poorly stocked areas due to seedling mortality. Use valley ponderosa pine – especially in wet areas.		Medium	03-31-04	\$58.00 per acre (0.42 per tree and \$0.30 per tree planting cost) \$1,044.00
Release	Ground chemical spring spray	Broadcast spray to control grass & blackberries.	3 qt Velpar L/acre mixed in water	Medium	04-15-04	\$82.00 per acre \$1,476.00
Release	Ground chemical spring spray/fall	Backpack spray in spring or fall to treat scotch broom or blackberries if needed.	1 qt Garlon 4/acre	Hard	Fall 2004 or Spring 2005	\$69.50 per acre on 10 acres \$695.00

Interplanting (Contingent)

SPECIES	TYPE*	SEED ZONE	ELEVATION	TREES/AC	SPACING	AMOUNT
Valley ponderosa pine	2-0	Zone 6 or 8 (new) Zone 262 (old)	500 – 1000'	Plant up to 80 trees per acre (PP and DF combined).	Use pine in wet areas. Plant in areas where original seedlings did not survive.	Up to 1,440 seedlings (PP and DF combined).
Douglas-fir	1+1	Zone 6 or 8 (new) Zone 262 (old)	500 – 1000'			

*Specific type of tree mentioned above is not as critical as the minimum specifications of 4.0 mm caliper, 8" top and 9" root for conifer.

**FOREST RESOURCE TRUST
STAND ESTABLISHMENT PROGRAM**

Schedule of Consulting Services

Project Name:

<i>KNOWN PRACTICES</i>			
Practice	Hours and Billable Rate*	Billing Month	Billing Cap**
Site Preparation – Set-up and quality control	14 hours @ \$50 per hour	September 2002	\$ 700.00
Tree Planting - Set-up, inspect stock, arrange storage, quality control	6 hours @ \$50 per hour	March 2003	\$ 300.00
Moisture Conservation – set-up and supervision	7 hours @ \$50 per hour	April 2003	\$ 350.00
Annual Project Inspections, meetings w/ Service Forester (Approximately 1 per year for 5 years)	25 hours @ \$50 per hour	Annual	\$1,250.00
Mileage	575 miles @ \$0.345 per mile	As Needed	\$ 198.00
Total Consulting Expenses – Known Practices			\$ 2,798.00
<i>CONTINGENT PRACTICES</i>			
Practice	Hours and Billable Rate*	Billing Month	Billing Cap
Tree Planting – Set-up, inspect stock, arrange storage, quality control.	6 hours @ \$50 per hour	March 2004	\$ 300.00
Aerial Release spray – Set-up, quality control	7 hours @ \$50 per hour	April 2004	\$ 350.00
Backpack Release spray – Set-up, quality control	6 hours @ \$50 per hour	Fall 04/Spring 05	\$ 300.00
Mileage	575 miles @ \$0.345 per mile	As Needed	\$ 198.00
Total Consulting Expenses – Contingent Practices			\$1,148.00

*Includes time, phone and other incidental expenses. Hours include one-half the estimated travel time. (Mileage reimbursable up to the billing cap)

**Direct cost payments through the Forest Resource Trust cannot exceed the billing cap amount for each completed practice. Payment for consulting services is subject to the approval by the Oregon Department of Forestry that the practice was successfully completed. Any billing in excess of the billing cap is the responsibility of the landowner.

Summary

Project Name:

Budget Summary

Area	Trust Portion		Landowner Portion		Total Cost	Per Acre Cost
	Known	Contingency	Known	Contingency		
<i>Area 1 – 18 acres</i>						
Site Preparation	\$4,050.00		-----	-----	\$4,050.00	\$225.00/acre
Tree Planting	\$4,806.00	\$1,044.00	-----	-----	\$5,850.00	\$325.00/acre
Moisture Conservation	\$1,656.00		-----	-----	\$1,656.00	\$92.00/acre
Protection	-----	-----	-----	-----	-----	-----
Release	-----	\$2,171.00	-----	-----	\$2,171.00	\$120.61/acre
TOTAL: 18 acres	\$10,512.00	\$3,215.00	-----	-----	\$13,727.00	\$762.61/acre

Planting Order Summary*

Species	Stock	Order in	Amount
<i>Known</i>			
Douglas-fir	1+1	2002	6,800 seedlings
Valley ponderosa pine	2-0	2002	400 seedlings
<i>Contingencies</i>			
Douglas-fir or Valley ponderosa pine	1+1 2-0	2003	1,440 seedlings

*Summarized for the entire project

PROJECT PLAN SUMMARY

Budgeted Costs
(Based on Forest Resource Trust Portion of Costs)

(See Attached Project Area Map)

SITE CLASS

Area	Acres	Site Class for Yield Table*
Area 1:	18 acres	Site III for Douglas-Fir (Kings Site Index 105)

*All site indices are 50 years at age at breast height.

BUDGETED COSTS (Direct Cost Payments by the Forest Resource Trust)

Area	Acres	Known Practices	Contingent Practices	Total
Area 1	18	\$10,512.00	\$3,215.00	\$13,727.00
Consultant Expense	18	\$2,798.00	\$1,148.00	\$3,946.00
Project Plan Expense	18	\$670.00		\$670.00
Total/Average	18	\$13,980.00	\$4,363.00	\$18,343.00

Total Budgeted Cost (Rounded) \$18,350.00

FREE-TO-GROW TREE STOCKING STANDARDS

Area	Acres	Tree Stocking Standard (trees/acre)
Area 1	18	330
Total/Average	18	330