

Alternative 1	Description	Units	Unit Cost	Low Input/Output		Moderate Input/Output		High Input/Output	
				Quantity	Cost	Quantity	Cost	Quantity	Cost
<b>Mixed Riparian Woodland</b>									
Mobilization	Cost split evenly between all habitat types.	L.S.	\$4,166.00	1.00	\$4,166.00	1.00	\$4,166.00	1.00	\$4,166.00
Grading									
Oxbow East	Excavate 5' average depth	cubic yard	\$5.00	13,600.00	\$68,000.00	13,600.00	\$68,000.00	13,600.00	\$68,000.00
Oxbow West	Excavate 6' average depth	cubic yard	\$5.00	26,500.00	\$132,500.00	26,500.00	\$132,500.00	26,500.00	\$132,500.00
Backwater Slough	Excavate 10' average depth; see permanent marsh habitat for other grading.	cubic yard	\$5.00	11,200.00	\$56,000.00	11,200.00	\$56,000.00	11,200.00	\$56,000.00
Planting									
Cuttings	Collect and install 36" long pole cuttings	each	\$15.00	3,797.00	\$56,955.00				
Seeding	Seed cover crop	acre	\$1,000.00			34.87	\$34,870.00	34.87	\$34,870.00
Seedlings									
Deepot	Use for shrubs	each	\$22.00			15,189.00	\$334,158.00	7,595.00	\$167,090.00
1-Gallon Container	Use for trees	each	\$30.00					7,594.00	\$227,820.00
Plant Protection	Use plastic tree shelter, one per plant.	each	\$1.50					15,189.00	\$22,783.50
Irrigation									
Irrigation Pump	Cost split evenly between all irrigated areas.	L.S.	\$5,000.00	1.00	\$5,000.00	1.00	\$5,000.00	1.00	\$5,000.00
Overhead Spray*	Use 6" rigid aluminum main line from pump to irrigated areas, 3" rigid aluminum lateral line, 27 impacts spray heads per acre, and 5' fixed riser assemblies with steel stakes.	acre	\$3,000.00	5.96	\$17,880.00	5.96	\$17,880.00	5.96	\$17,880.00
First Year	Includes maintenance for lines, spray heads, and portion of pump maintenance.	acre	\$200.00			5.96	\$1,192.00	5.96	\$1,192.00
Second Year	Includes maintenance for lines, spray heads, and portion of pump maintenance.	acre	\$200.00			5.96	\$1,192.00	5.96	\$1,192.00
Third Year	Includes maintenance for lines, spray heads, and portion of pump maintenance.	acre	\$200.00					5.96	\$1,192.00
Fourth Year	Includes maintenance for lines, spray heads, and portion of pump maintenance.	acre	\$200.00					5.96	\$1,192.00
Fifth Year	Includes maintenance for lines, spray heads, and portion of pump maintenance.	acre	\$200.00					5.96	\$1,192.00
Drip*									
Low	Use 2" PVC as main line from pump to irrigated areas, 1 1/4" PVC lateral line, pressure reducing drip assemblies, 1/2" polyethylene pipe, and an average of 2-1 gph emitters/plant	acre	\$3,152.00	28.91	\$91,124.32				
Moderate		acre	\$7,758.00			28.91	\$224,283.78		
High		acre	\$7,758.00					28.91	\$224,283.78
First Year	Includes maintenance for valves, lines, emitters, and portion of pump maintenance	acre	\$1,000.00	28.91	\$28,910.00	28.91	\$28,910.00	28.91	\$28,910.00
Second Year	Includes maintenance for valves, lines, emitters, and portion of pump maintenance	acre	\$1,000.00	28.91	\$28,910.00	28.91	\$28,910.00	28.91	\$28,910.00
Third Year	Includes maintenance for valves, lines, emitters, and portion of pump maintenance	acre	\$1,000.00					28.91	\$28,910.00
Fourth Year	Includes maintenance for valves, lines, emitters, and portion of pump maintenance	acre	\$1,000.00					28.91	\$28,910.00
Fifth Year	Includes maintenance for valves, lines, emitters, and portion of pump maintenance	acre	\$1,000.00					28.91	\$28,910.00
Maintenance									
Post-Installation Weeding	Spot spray problem weeds with herbicide	acre	\$50.00			34.87	\$1,743.50	34.87	\$1,743.50



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				Quantity	Cost	Quantity	Cost	Quantity	Cost
First Year	Spot spray problem weeds with herbicide	acre	\$25.00			56.83	\$1,420.75	56.83	\$1,420.75
Second Year	Spot spray problem weeds with herbicide	acre	\$25.00			56.83	\$1,420.75	56.83	\$1,420.75
Third Year	Spot spray problem weeds with herbicide	acre	\$25.00			56.83	\$1,420.75	56.83	\$1,420.75
Fourth Year	Spot spray problem weeds with herbicide	acre	\$25.00					56.83	\$1,420.75
Fifth Year	Spot spray problem weeds with herbicide	acre	\$25.00					56.83	\$1,420.75
Acorn Replacement	Assumes 60% mortality over first 3 years	each	\$12.00	261.00	\$3,132.00	261.00	\$3,132.00	261.00	\$3,132.00
<b>Total</b>					<b>\$190,424.50</b>		<b>\$380,411.88</b>		<b>\$505,961.38</b>
<b>Valley Oak/Sycamore Woodland and Woodland Visual Buffer</b>									
Mobilization	Cost split evenly between all habitat types.	L.S.	\$4,166.00	1.00	\$4,166.00	1.00	\$4,166.00	1.00	\$4,166.00
Planting									
Site-Prep	Pre-treat with herbicide and disc planting area	acre	\$215.00			36.28	\$7,800.20	36.28	\$7,800.20
Seed	Broadcast spread annual-perennial seed mix	acre	\$2,000.00			36.28	\$72,560.00	36.28	\$72,560.00
Acorns	Includes collection, storage, viability test, and installation. Use 1 acorn per planting.	each	\$12.00	988.00	\$11,856.00	494.00	\$5,928.00		
Seedlings									
Deepot	Use for shrubs	each	\$22.00	247.00	\$5,434.00	2,470.00	\$54,340.00		
1-Gallon Container	Use for shrubs and trees	each	\$30.00					2,964.00	\$88,920.00
Plant Protection	Use plastic tree shelter, one per plant	each	\$1.50			2,964.00	\$4,446.00	2,964.00	\$4,446.00
Irrigation									
Irrigation Pump	Cost split evenly between all irrigated areas.	L.S.	\$5,000.00	1.00	\$5,000.00	1.00	\$5,000.00	1.00	\$5,000.00
Drip*	Use 2" PVC as mainline from pump to irrigated areas, 1 1/4" PVC lateral line, pressure reducing drip assemblies, 1/2" polyethylene pipe, and an average of 2-1 gph emitters/plant								
Low		acre	\$381.00	36.28	\$13,822.68				
Moderate		acre	\$2,179.00			36.28	\$79,054.12		
High		acre	\$2,179.00					36.28	\$79,054.12
First Year	Includes maintenance for valves, lines, emitters, and portion of pump maintenance	acre	\$1,000.00	36.28	\$36,280.00	36.28	\$36,280.00	36.28	\$36,280.00
Second Year	Includes maintenance for valves, lines, emitters, and portion of pump maintenance	acre	\$1,000.00	36.28	\$36,280.00	36.28	\$36,280.00	36.28	\$36,280.00
Third Year	Includes maintenance for valves, lines, emitters, and portion of pump maintenance	acre	\$1,000.00			36.28	\$36,280.00	36.28	\$36,280.00
Fourth Year	Includes maintenance for valves, lines, emitters, and portion of pump maintenance	acre	\$1,000.00					36.28	\$36,280.00
Fifth Year	Includes maintenance for valves, lines, emitters, and portion of pump maintenance	acre	\$1,000.00					36.28	\$36,280.00
Maintenance									
Post-Installation Treatment	Spot spray problem weeds with herbicide	acre	\$50.00			36.28	\$1,814.00	36.28	\$1,814.00
Long-Term Weeding									
First Year	Spot spray problem weeds with herbicide	acre	\$25.00			36.28	\$907.00	36.28	\$907.00
Second Year	Spot spray problem weeds with herbicide	acre	\$25.00			36.28	\$907.00	36.28	\$907.00
Third Year	Spot spray problem weeds with herbicide	acre	\$25.00			36.28	\$907.00	36.28	\$907.00
Fourth Year	Spot spray problem weeds with herbicide	acre	\$25.00					36.28	\$907.00
Fifth Year	Spot spray problem weeds with herbicide	acre	\$25.00					36.28	\$907.00



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				Quantity	Cost	Quantity	Cost	Quantity	Cost
First Year	Spot spray problem weeds with herbicide	acre	\$25.00					2.37	\$59.25
Second Year	Spot spray problem weeds with herbicide	acre	\$25.00					2.37	\$59.25
Reseeding	Broadcast spread native perennial mix; assumes 20% of area will need reseeding	acre	\$3,000.00			0.46	\$1,380.00	0.46	\$1,380.00
<b>Total</b>					<b>\$40,225.55</b>		<b>\$48,715.55</b>		<b>\$186,474.05</b>
<b>Grand Total</b>					<b>\$945,327.05</b>		<b>\$1,894,157.08</b>		<b>\$2,511,241.88</b>

Notes:

\* Cost for mainline pipe has been equally divided and incorporated into each habitat type requiring irrigation.

- gph = gallons per hour.
- L.S. = lump sum.
- NA = Does not apply.
- PVC = polyvinly chloride.