

APPLICATION FOR GRANT FUNDS

Access & Habitat Program
Oregon Department of Fish and Wildlife
4034 Fairview Industrial Dr SE
Salem, OR 97302

I/We, Shawn Jones of C2 Cattle Company, Oregon, hereby make application for financial assistance under the terms and conditions of the Access and Habitat program in the amount \$ 20,280. The total cost of the project is \$ 237,591.

I/We understand that if this project is approved for funding by the Oregon Fish and Wildlife Commission, before we receive project funds we will be required to:

- Sign a Grant Agreement containing the terms and conditions upon which funds will be released including submission of necessary permits;
- Obtain landowner and maintenance agreements if needed;
- Sign a certification to comply with state, federal and local regulations if needed;
- Submit a completion report to the Board on project performance.

I/We understand that if this application results in an access grant, ODFW will publicize my/our property via printed documents and internet for the purpose of helping hunters locate private lands that may be open to hunting. I/We will cooperate with ODFW to post signs indicating public hunting access at the project location.

I certify that either:

I am the sole landowner of the Property where the Access and Habitat Project will occur.

I am an authorized representative of the landowner of the property where the Access and Habitat project will occur.

I am leasing the property from the landowner and the lease allows me to enter into this agreement.

I have the legal authority to enter into a grant agreement for this Access and habitat project because: _____

(Fill in details – for example: "The project is on three parcels; one is owned by me, one is owned by my wife, and one is owned by our family farm business").

Grantee Signature: Shawn P. Jones Date: 8-22-18
Position: Ranch manager

ACCESS & HABITAT PROGRAM

Application for Grant Funds

1. **Project Title:** C2 Ranch Habitat Improvement 2018
2. **Applicant:** Shawn Jones, Ranch Manager Phone: 541 821 5664
Grantee: C2 Cattle Company (As will appear on contract/payments)
If private nonprofit, attach IRS letter of 501(c) (3) status
Address: 18495 Hwy. 140
City/State/Zip: Eagle Point, OR, 97524 **Phone:** (541) 826-3036
Email: c2cattle@yahoo.com
3. **Location:** ODFW SW Region
Watershed District / Wildlife Management Unit: Rogue Watershed/ Rogue WMU
County: Jackson Township/Range/Section: T 36S R 2E S 4, 5, 7-10, 15-18, 21, 22, 26-28
4. **Type of Project:**
Habitat Improvement Access Damage
5. **Number of acres of habitat to be improved:** 588
6. **Number of acres of access to be provided:** 9,500
Welcome to Hunt By Permission Other_____
7. **Proposed Start Date:** 01/05/2019
8. **Proposed End Date:** 01/05/2021
9. **Estimated Cost of Project:** \$237,591
10. **Access and Habitat Fund Request:** \$20,280
11. **Briefly explain what the project proposes to do:**

This project proposes to improve wildlife habitat and provide public hunting. Habitat improvement will consist of removing invasive Himalayan blackberry from pasture, mowing decadent buckbrush to promote new growth, seeding new pasture for wildlife forage, and fertilizing pastures (see proposed project areas, Attachment 1). Hunting will consist of 6 unguided adult archery deer hunts, each for 3 days, and guided youth hunts consisting of 10 deer hunts and 12 spring turkey hunts, each for 1 day, for two seasons (2019 and 2020).

12. **Habitat and Landscape:** Describe the habitat and landscape of the project area.

Habitat types on the ranch include mixed oak woodland, conifer forest, buckbrush and other shrublands, riparian shrublands and woodlands, native grassland, vernal pool claypan, and developed areas/agriculture including irrigated and non-irrigated pastures. The ranch is also within Jackson County's especially sensitive deer and elk winter range.

13. **Background:** Describe the project area and explain the wildlife habitat and/or access challenge or opportunity this project will address. Address how current management actions benefit public access and/or wildlife and their habitat needs.

C2 Cattle Company is a 9,500 acre ranch located in the foothills of the Cascade Mountains about 20 miles northeast of Medford. Cattle are grazed on a mix of irrigated and non-irrigated land. Starting in 2007, the south section of the ranch (2,700 acres) was opened to youth hunting through the A&H program. Starting in 2011, the entire 9,500 acres was opened through the A&H program. The ranch is prime winter range for migratory black-tailed deer, and also has good populations of elk and turkeys. Deer are present year-round, but deer migrate down from the high Cascades in the fall and deer populations are highest from November through April. ODFW has been conducting a spring deer census route on C2 since the 1960's (Figure 1). Habitat deficiencies include pervasive Himalayan blackberry, which is an invasive weed that has taken over hundreds of acres of the ranch. Blackberry eradication has been underway for several years, but more is needed. The ranch proposes to control blackberries through machine cutting and then spraying with herbicide (crossbow or garlon). The ranch also contains large fields of buckbrush, which is one of the most important winter foods for black-tailed deer. Much of the buckbrush is decadent, and cutting it back to about 2 feet in height allows it to re-sprout with nutritious young growth. Areas where brush has been cut back show heavy used by deer. Cutting is done with a flail mower mounted on the boom of an excavator.

14. **Past A&H History:** Describe any past Access & Habitat project, especially if the proposed project deals with continuation or amendment to a past project.

This is a continuation of a project that was started in 2007. Hunters apply for the C2 hunts by sending applications to the Central Point ODFW office and drawings are conducted there. At the completion of A&H Grant 2016-14, about 260 acres of buckbrush have been cut for forage improvement since 2007, and ranch employees have observed large numbers of deer using these treated areas. About 1,400 acres of blackberry treatment have taken place since 2007.

15. **Hunter Use Data:** New Projects: Must give estimates of expected usage and how usage will be assessed. Old Projects: Use Access Area Permit data, vehicle or pedestrian counts, hunter interviews, etc.

Hunt	Year	Applications	Hunters	Success	Satisfaction
Turkey	2015	175	8	63%	-
	2016	142	10	60%	-
	2017	95	10	-	-
	2018	147	8	33%	5.0
Adult Deer	2015	68	6	0%	-
	2016	293	5	0%	-
	2017	26	5	0%	-
Youth Deer	2015	26	16	63%	-
	2016	42	15	26%	-
	2017	45	15	13%	4.1

16. **Project Objective(s):**

(a) What is the objective of the proposed project?

The objectives of this project are to improve forage for deer, elk, and turkeys, and to provide public hunting.

(b) How will the project benefit wildlife habitat?

The project will create young nutritious browse for black-tailed deer, will improve forage for elk, and will create openings for young turkeys to forage for insects and seeds.

(c) Select species that will benefit from **habitat** improvements:

Big Game

- Deer
- Elk
- Bear
- Cougar
- Pronghorn
- Bighorn Sheep
- Mountain Goat

Upland Bird

- Chukar
- Mountain Quail
- Valley Quail
- Pheasants
- Forest Grouse
- Turkey
- Gray Partridge
- Sage Grouse

Migratory Game Bird

- Ducks
- Geese
- American Coot
- Wilsons Snipe
- Mourning Dove
- Band Tailed Pigeon

(d) Length of time benefits provided <3yr 3-6yr >6yr

Examples of Project Benefit Duration

Noxious weed.....2yrs	Forage planting.....5yrs	Aspen fencing.....10yrs
Range fertilization...2yrs	Forest thinning.....5yrs	Aspen plant/fence.....10yrs
Rx Fire-grassland.....2yrs	Aspen (conifer removal)....5yrs	Road closure.....10yrs
Rx Fire-forested.....3yrs	Juniper removal.....7yrs	Road decommission....10yrs
Fence Removal.....10yrs	Water Dev/Enhancement.10yrs	

(Source: Blue Mountains Elk Initiative Project Evaluation Criteria)

(e) How will the project benefit public access? If limited access, how many hunters will be permitted?

It will provide high quality, by-permission hunting for youth and adults. In this grant cycle, 80 hunter days (44 youth guided) will be provided by the ranch.

(f) Select species for which public **access** will provided:

- | <u>Big Game</u> | <u>Upland Bird</u> | <u>Migratory Game Bird</u> |
|--|--|---|
| <input checked="" type="checkbox"/> Deer | <input type="checkbox"/> Chukar | <input type="checkbox"/> Ducks |
| <input type="checkbox"/> Elk | <input type="checkbox"/> Mountain Quail | <input type="checkbox"/> Geese |
| <input type="checkbox"/> Bear | <input type="checkbox"/> Valley Quail | <input type="checkbox"/> American Coot |
| <input type="checkbox"/> Cougar | <input type="checkbox"/> Pheasants | <input type="checkbox"/> Wilsons Snipe |
| <input type="checkbox"/> Pronghorn | <input type="checkbox"/> Forest Grouse | <input type="checkbox"/> Mourning Dove |
| <input type="checkbox"/> Bighorn Sheep | <input checked="" type="checkbox"/> Turkey | <input type="checkbox"/> Band Tailed Pigeon |
| <input type="checkbox"/> Mountain Goat | <input type="checkbox"/> Gray Partridge | |
| | <input type="checkbox"/> Sage Grouse | <input type="checkbox"/> <u>Other:</u> Coyote |

(g) If damage related, how will the project alleviate/eliminate the problem?

Removal of deer through hunter access will can help to balance pasture use for wildlife and cattle.

17. **Project Location:** Attach a map and provide description of the location and how to get there from a major highway.

From the intersection of Hwy. 62 and Hwy. 140 in White City, take Hwy. 140 east 18 miles, ranch headquarters on left at 18495 Hwy 140. Please see attached map (Attachment 2).

18. **Procedure:** Specifically describe how the project will be conducted--use separate page for additional information, drawings, or pictures.

C2 will use their own equipment to cut 100 acres of buckbrush at a cost of \$48,166 (\$481.66 per acre). Buckbrush will be cut to a height of about 2 feet to allow it to re-sprout. C2 will use their own equipment to cut and spray 400 acres of blackberry at a cost of \$170,484 (\$426.21 per acre). Herbicide will be applied to blackberries with an ATV and tractor tank sprayers in August-September when herbicide is most effective. Fertilizer will be applied to at least 50 acres, at a cost of \$4,350 for fertilizer. A total of 38 acres of pasture will be broadcast seeded for a cost of \$7,751. Hunters will be selected through a lottery system conducted out of the Central Point ODFW office (see Attachment 4 for 2017-18 photos of successful youth hunters).

19. **Permits:** Have all of the appropriate permits been secured or applied for? Examples: Water Resources Department for water rights, Division of State Lands for fill-removal or wetlands projects.

No permits are required, and no ground disturbance will occur for this project.

20. **Scheduling:** What is the estimated project schedule?

a. Habitat Work Start Date: 01/05/2019
Habitat Work Completion Date: 01/05/2021

b. Access Agreement Start Date: 2/30/2019
Access Agreement End Date: 01/05/2021

c. List major project activities and time schedule for each:

<u>Activity</u>	<u>Time (month/year)</u>
1. Buckbrush cutting	March-May 2019, 2020
2. Blackberry cutting and spraying	July-September 2019, 2020
3. Pasture fertilizing	April 2019, 2020
4. Wildlife forage seeding	September-May 2019-20, 2020-21
5. Coordinate Youth Turkey	March-May 2019, 2020
6. Coordinate Adult Archery Deer	October-December 2019, 2020
7. Coordinate Youth Deer	November-January, 2019-20, 2020-21

21. **Participation and Funding:** Will other organizations or individuals participate in the project? If so, list and describe participation, and attach letters of commitment or verification of grant awards. Costs listed here must be included in "Other Funds" column of the Project Budget (Section 20).

	<u>Participant</u>	<u>Activity</u>	<u>Cost</u>
1.	C2 Ranch	Blackberry cutting and spraying, brush cutting, fertilizing, guiding hunters	\$211,362
2.	OHA, Rogue Valley Chapter	Hunting access	\$2,000
3.	ODFW Central Point	Fertilizer	\$4,000

Have any conditions been placed on the funds listed above which may affect the completion of the project? If so, identify and explain. YES NO

Funding from OHA, Rogue Valley Chapter is pending approval from the Board of Directors (see Attachment 5).

22. **Project Maintenance and Monitoring:**

(a) Who will maintain the project and fund long-term maintenance and/or operation if needed?

Hunts are coordinated by ODFW and C2 Management. The ranch is committed to long-term maintenance of blackberry and buckbrush habitats.

(b) What element(s) of the project will be monitored, how often, for how long?

C2 will monitor blackberry eradication and restoration of pasture. Periodic touch up with herbicide may be necessary, and it may be necessary to over-seed clover or grass after blackberries are dead. ODFW personnel will monitor deer populations through spring census routes, and monitor success of habitat improvements through routine inspection and photographs. ODFW will also supervise selection of hunters.

23. Project Budget Narrative: (Provide details; describe in-kind funding; provide narratives here of non-itemized entries in your worksheet.)

The current proposed budget has been updated from the project budget for the prior grant cycle. Table 1 outlines funding for grant cycle 2016-14. The 2016-14 budget does not quantify the value of hunting access provided by C2 Cattle Ranch, and does not provide a clear way to adjust grant totals to match changes in access provided and habitat work completed by the ranch with each new grant cycle.

To facilitate a more accurate, consistent, and transparent communication of value of both access and habitat work, the following changes were made (shown in Table 2):

1. Costs per acre of blackberry cutting and spraying, forage seeding, pasture fertilizing, and buckbrush forage enhancement were updated using NRCS project worksheets to determine total project costs (Attachment 3).
2. A payment was calculated for hunting access, using rates from the Access and Habitat Program Project Evaluation Form with an Access Category Score of 6/12 (\$0.72/acre, with \$0.51/acre from A&H); cost per acre will increase \$0.08 for every additional 10 hunter days [hd] provided.

Using these values, the proposed budget would provide the ranch with \$805 for every additional 10 hunter days provided. A&H would reimburse the ranch \$13 per treated acre of blackberries, \$82 per forage seeded acre, and \$72 per treated acre of buckbrush (Table 2; % Match multiplied by Rate, \$/acre). These final match totals better reflect the costs to the landowner, and the value of forage provided for wildlife with each project type.

Table 1. 2016-14 project budget details.

Grant Cycle 2016-18	Rate, \$/acre	Units Treated	Total Project Cost	% A&H, Other Match	Match Total	Notes
Blackberry cutting and spraying	541/ac	400 ac	\$216,400	6.2%	\$13,500	
<i>Wildlife forage seeding</i>		<i>0 ac</i>			<i>\$0</i>	
Pasture fertilizing	40/ac	1400 ac	\$56,000	\$4000 flat	\$4,000	\$4,000 from ODFW Central Point
Buckbrush forage enhancement	400/ac	60 ac	\$24,000	27.1%	\$6,500	\$2,000 from OHA Rogue Valley
By-permission hunting, 88 hunter days	0	9,500 ac	\$0	0%	\$0	
Total			\$296,400		\$24,000	A&H Total = \$18,000

Table 2. 2018 project budget details.

Grant Cycle 2019-2021	Rate, \$/acre	Units Treated	Total Project Cost	% A&H, Other Match	Match Total	Notes
Blackberry cutting and spraying	426.21/ac	400 ac	\$170,484	3%	\$5,115	A&H
Wildlife forage seeding	203.98/ac	38 ac	\$7,751	40%	\$3,100	A&H
Pasture fertilizing	87.00/ac	50 ac	\$4,350	\$4000 flat	\$4,000	\$4,000 from ODFW Central Point
Buckbrush forage enhancement	481.66/ac	100 ac	\$48,166	15%	\$7,225	A&H
By-permission hunting, 80 hunter days	0.72/ac	9,500 ac	\$6,840	100%	\$6,840	\$2,000 from OHA Rogue Valley \$4,840 A&H
Total			\$237,676		\$26,280	A&H Total = \$20,280

Project Budget (Provide as much detail as possible)			
Totals automatically round to the nearest dollar. Please do not include cents.			
Expense Category	A&H Funds	Cost Share In-Kind/ Cash (Match)¹	Total Project Cost
ADMINISTRATION: Personnel and benefits @ ___%			
SUBTOTAL (1)	\$ 0	\$ 0	\$ 0
CONSTRUCTION MATERIALS²			
SUBTOTAL (2)	\$ 0	\$ 0	\$ 0
SUPPLIES			
SUBTOTAL (3)	\$ 0	\$ 0	\$ 0
CONTRACT SERVICES (itemize)³			
Blackberry cutting and spraying	\$ 5,115	\$ 165,369 C2	\$ 170,484
Forage seed planting	\$ 3,100	\$ 4,651 C2	\$ 7,751
Pasture fertilizing		\$ 4,000 ODFW CP \$ 350 C2	\$ 4,350
Buckbrush forage enhancement	\$ 7,225	\$ 40,941 C2	\$ 48,166
SUBTOTAL (4)	\$ 15,475	\$ 215,361	\$ 230,836
EQUIPMENT (itemize)			
SUBTOTAL (5)	\$ 0	\$ 0	\$ 0
Access Payment			
By-permission hunting, 80 hunter days/2 year contract	\$ 4,840	\$ 2,000 Rogue OHA	\$ 6,840
PROJECT TOTALS	\$ 20,280	\$ 217,311	\$ 237,591

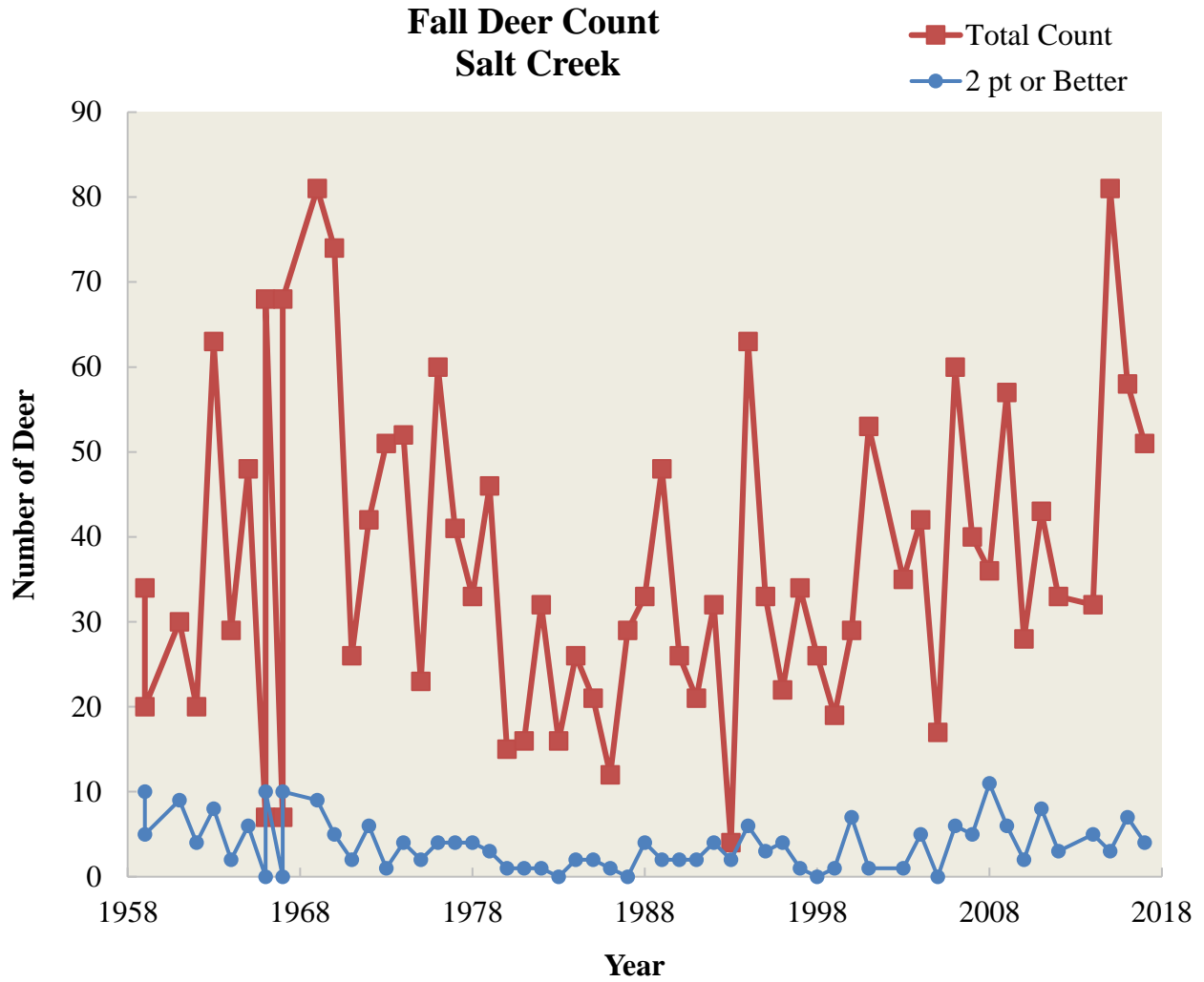


Figure 1. Deer spotlight counts from the 1950's to present for the Salt Creek route, which borders the C2 Cattle Ranch. Counts show an average trend of increasing total deer (red squares) and total bucks (2 pts or better, blue circles) encountered during the route.

Updated 07/12/2018

Attachment 1. Proposed treatment areas for 2018 grant.

Attachment 2. Map of the C2 Cattle Ranch.

Attachment 3. Pricing charts used to estimate project costs for each habitat project type.

Attachment 4. Successful youth deer hunters during the 2017-18 season.

Attachment 5. Funding commitment letter from OHA Rogue Valley Chapter for match contribution.

Access and Habitat Program Project Evaluation Form



Program Objective: *The Access and Habitat Program's motto, "Landowners & Hunters Together for Wildlife," conveys the program's basic mission to foster partnerships between landowners and hunters for the benefit of the wildlife they value. The program also seeks to recognize and encourage the important contributions made by landowners to the state's wildlife resource.*

Project Name: _____ **Project #:** _____

	Access Acres	Habitat Acres	Habitat Category: 2	Total Score: 20
"Welcome" Private	0	680	(range: 1-6; see flow chart on page 4. Not applicable to Access-only projects)	Total Possible: 36
By-Permission Private	9,500			
Inaccessible Public*	0			
Accessible Public*	0			

Instructions:

Project Type	Complete these sections		
	General Criteria	Access Criteria	Habitat Criteria
Access Only	X	X	
Habitat Only	X		X
Access & Habitat	X	X	X

Mark 1 point in the corresponding "Project Score" box for EACH criterion that is met. Example: for question 2, if partnerships include 4 sports groups, award points for the first 2 criteria. Do not mark more than 1 point per box. Point schedule is designed to weigh access-only and habitat-only projects equally.

Definitions:

Inaccessible Public*: Access will be provided through private land to public land that is completely landlocked (surrounded) by private land, legally precluding public hunting access. Total area includes only public land within the boundary of private ownership.

Accessible Public*: Access through private land will improve accessibility to public land. Public land may be extremely difficult to access otherwise, but is not legally surrounded by private land. Total area includes only public land that is closer (in linear distance) to the landowner's access point(s) than any other public access point.

* Access to public land MUST be provided on a "Welcome to Hunt" basis

General Criteria

(mark a "1" in the "Project Score" box for EACH criterion that is met)

1. *Habitat Condition*

Score 1 point only if the property contains the resource in sufficient abundance/quality to support target species referenced in questions 11, 15, 16 and 19 (during at least one season of the year). For habitat projects, use the predicted future condition. Justify your score.

Food: _____
 Water: _____
 Cover: _____

Project Score	Access Fee Assessment		
	Private Land	Inacc. Public	Acc. Public
1	1	n/a	n/a
1	1	n/a	n/a
1	1	n/a	n/a

2. *Partnerships*

Partners contributing financial or in-kind support:

1 or more Sports groups.....
 3 or more Sports groups.....
 Educational programs / non-governmental organizations.....
 Other government agencies or ODFW programs (i.e. OWEB, R&E).....

1	1	n/a	n/a
0			
0			
1			

		Access Fee Assessment			
		Project Score			
3. Matching Funds	Total matching funds (monetary and in-kind)	0			
	> 1% matching funds.....	0			
	> 25% matching funds.....	1	1	n/a	n/a
	> 50% matching funds.....				
4. Damage	Project would mitigate current damage to private property:				
	Wildlife damage occurring on private property.....	1			
	Landowner participates in ODFW damage control programs.....	1			
General Total		8	5	0	0
<i>General Possible</i>		12	5	5	5

Access Criteria - Applies to **private land** access that would be provided under the proposed project.
(mark a "1" in the "Project Score" box for EACH criterion that is met)

5. Public Land	Project located in Wildlife Management Unit with <50% public land.....	0	0	n/a	n/a
6. Private access	Private land access type:				
	Project would provide access to private land.....	1			
	Private land access would be on a "Welcome to Hunt" basis.....	0			
7. Public access	Access through private lands would:				
	improve access to public land.....	1			
	provide access to otherwise inaccessible public land.....	1			
8. Special Access	Project would provide special youth or disabled hunter access opportunities.....	1	1	n/a	n/a
9. Species Permitted	Species groups include big game, waterfowl, upland birds, turkey, and predators/varmints.				
	2+ species groups available and permitted.....	1	1	n/a	n/a
	4+ species groups available and permitted.....	0	0	n/a	n/a
10. Under-rep. Species*	Project provides access to under-represented species in the watershed.....	0	0	n/a	n/a
11. Harvest Restriction	Landowner would not restrict sex or species permitted for lawful harvest.....	0	0	n/a	n/a
12. Season Restriction	Landowner would not restrict access to any hunting season(s).....	0	0	n/a	n/a
13. Dispersion	Property would provide access to animals pushed off of publicly accessible land during hunting season.....	1	1	n/a	
Access Total		6	3	0	0
<i>Access Possible</i>		12	8	8	7
Payment Fee Total			8	n/a	n/a

* lists of under-represented species will be created by A&H state coordinator and approved by A&H Board

Habitat Criteria

(mark a "1" in the "Project Score" box for EACH criterion that is met)

Project
Score

14. Department Priorities Project is located within target area and will benefit target species identified in any of these Department programs: Mule Deer Initiative, Sage Grouse Initiative, Black-tailed Deer Plan Implementation..... 1

15. Location importance: Applies to species that the habitat work will benefit. Question structured to equally weigh big game and game bird projects - score "1" if either item in each bracket is true:

{ Area populations < 90% of management objective (deer and elk).....
or:
Project will increase wintering populations of upland birds/waterfowl.....
1

{ Area populations < 75% of management objective (deer and elk).....
or:
Project will increase breeding populations of upland birds/waterfowl.....
0

16. Conservation Strategy Project addresses Oregon Conservation Strategy (OCS) concerns:
 Project action benefits Strategy Habitat or Strategy Species..... 0
 [above] AND action occurs in Conservation Opportunity Area (COA)..... 0

17. Critical Habitat Applies to the specific GAME habitat that the project will maintain or enhance. Use accompanying flow chart and definitions to determine habitat category. Definitions are slightly amended from OAR Division 415 to be game-specific.

Project meets requirements of Habitat Categories 1-4..... 1

Project meets requirements of Habitat Categories 1-2..... 1

18. Habitat Connectivity Project will help facilitate local animal movement (fence removal, etc.)..... 0
 Project will help establish or maintain a wildlife habitat corridor or otherwise reduce fragmentation on landscape level..... 0

Description of habitat connectivity benefit (required):

19. Habitat Impact Describes the predicted impact that the project will have on the habitat. Habitat work must benefit game species.

Project will increase the habitat quantity/quality >25% per unit treated..... 1

Project will increase the habitat quantity/quality >50% per unit treated..... 1

Description of habitat impact:

 Cutting buckbrush increases palatability for deer; removing blackberries, restoring pasture, and fertilizing increases forage for deer, elk and turkeys.

20. Population Impact Describes the predicted impact that habitat improvements (excluding external variables such as weather, etc.) will have on game species on the project site. Provide estimates for all targeted species.

Local abundance of at least one targeted game species should increase >25%..... 0

Estimated Abundance			
Species	Pre-treatment	Post-treatment	
			Habitat Total
			<i>Habitat Possible</i>
			6
			12
			Grand Total
			<i>Total Possible</i>
			20
			36

21. Miscellaneous Describe other project details that may help with prioritization or fee assessment (i.e. current market value of similar hunting leases in the vicinity)..... **NO POINTS**

Hunt value is substantially less per hunter day when compared with costs of guided hunts at nearby ranches.

Access and Habitat Project Evaluation - Appendix

Under-represented Species

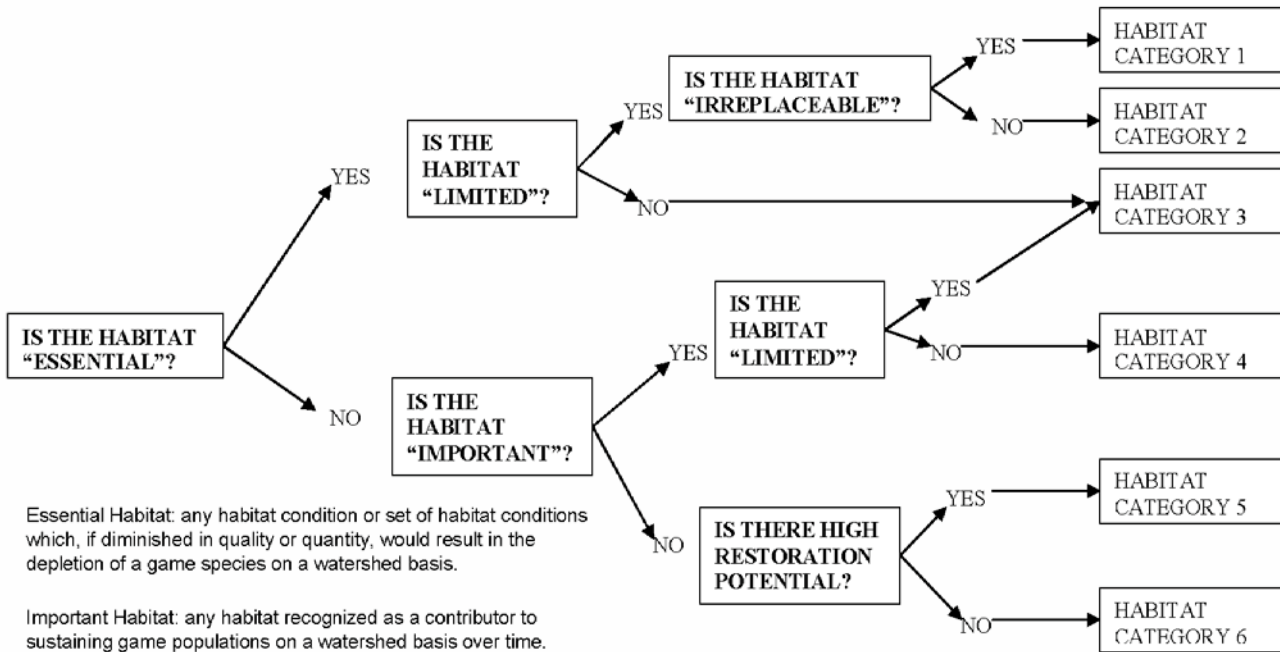
Definition: game species that exist in the watershed district in huntable numbers, but that the general public does not have reasonable hunting access to (via public land, current A&H properties, etc.)

Watershed	Species
Malheur	pheasant, waterfowl, turkey
South Willamette	waterfowl, turkey, valley quail
North Coast	predators, waterfowl
Grande Ronde	upland game birds
Rogue	dove, waterfowl

Watershed	Species
Deschutes	waterfowl, valley quail, chukar, dove
John Day	upland game birds
Umpqua	waterfowl, dove, turkey
Klamath	waterfowl, quail
North Willamette	waterfowl

A&H Habitat Category Flow Chart

Note: These definitions have been amended from OAR Division 415 to be game-specific and applied on a watershed basis. Habitat Category designations made on this Evaluation Form are for Access & Habitat Program use only, and do not have any legal implications associated with OAR 415.



Payment Tables

Table 1: Proposed Per-acre Access Payment

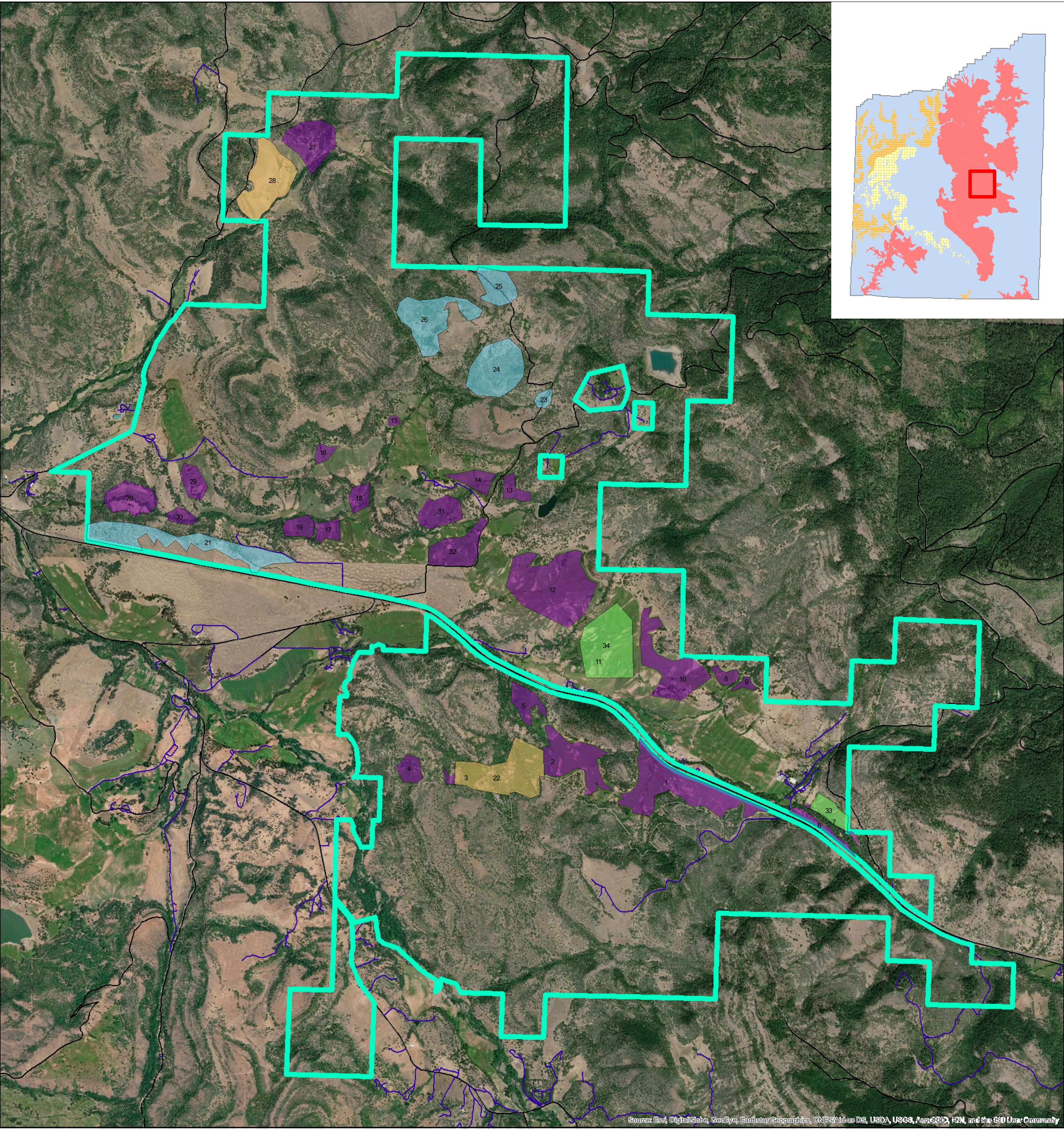
Total Score:	Private Welcome to Hunt (\$/acre)	Private By- Permission (\$/acre)	Inaccessible public land (\$/acre)	Accessible public land (\$/acre)
	100%	60%	40%	20%
1-3:	\$0.60	\$0.36	\$0.24	\$0.12
4-6:	\$1.20	\$0.72	\$0.48	\$0.24
7-9:	\$1.80	\$1.08	\$0.72	\$0.36
10-11:	\$2.40	\$1.44	\$0.96	\$0.48
12-13:	\$3.00	\$1.80	\$1.20	\$0.60




Table 2: Proposed Total Access Payment Calculator

Access Type	Score	\$/Acre	Acres	Payment
Private Welcome	8	\$1.80	0	\$0.00
Private Permission	6	\$0.72	9,500	\$6,840.00
Inaccessible Public	n/a	n/a	0	n/a
Accessible Public	n/a	n/a	0	n/a
Total Payment:				\$6,840.00

0 0.5 1 2 Miles

Jackson County, OR 







-  Blackberry
-  Buckbrush
-  Fertilizing
-  Seeding
-  C2 Boundary
-  Deer/ Elk Winter Range
-  Especially Sensitive
-  Other
-  Sensitive

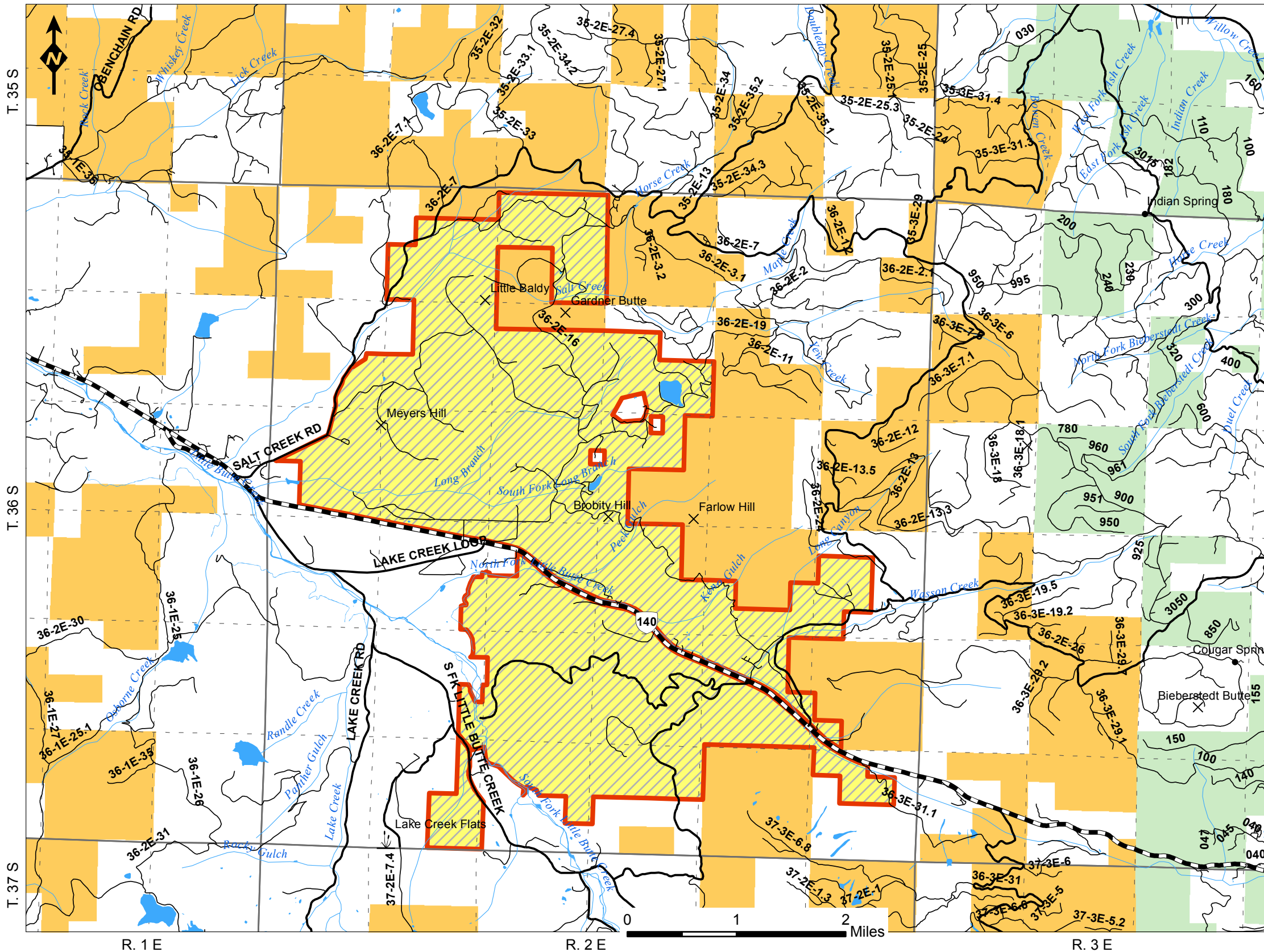
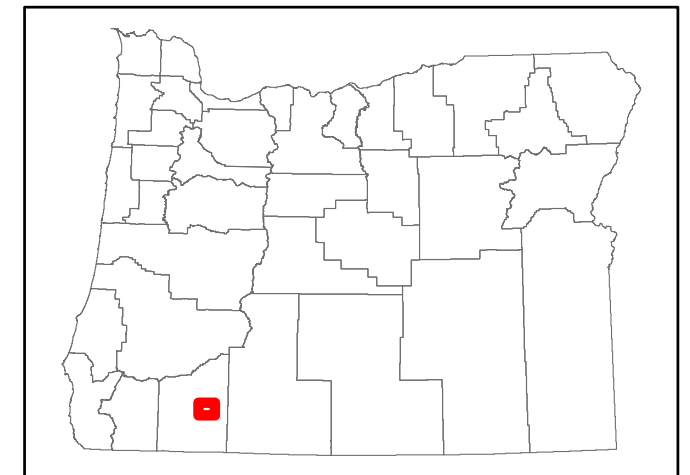
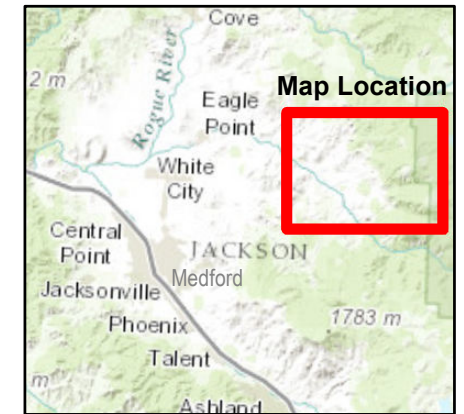
Target Project Areas C2 Cattle Company

Source: Esri, DigitalGlobe, GeoEye, Earthstar/Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

C2 Cattle Co Ltd Area



-  Area Boundary
-  USFS Land
-  BLM Land
-  Private Land



*This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult primary data and information sources to ascertain the usability of the information.
created 2/2016

USDA - Natural Resources Conservation Service

Oregon

Practice: 314 - Brush Management

Scenario #12 - Low Cost Chemical

Scenario Description:

Apply brush management through the use of broadcast application of herbicide to reduce or remove undesirable species of brush. A low cost chemical will adequately address the resource concern(s).

Before Situation:

Area consists of excessive stands of woody plants degrading health and vigor of desirable plant species promoting noxious and invasive species and degrading wildlife habitat.

After Situation:

Woody plants are removed to achieve the desirable plant community based on species composition, structure, density, and canopy cover or height. Ecological site condition is progressing in an upward trend, hydrology or plant health and vigor is returning to near normal levels, and wildlife habitat is improved.

Feature Measure: Acres planned

Scenario Unit:: Acre

Scenario Typical Size: 160.0

Scenario Total Cost: \$6,505.97

Scenario Cost/Unit: \$40.66

Cost Details:

Component Name	ID	Description	Unit	Cost	QTY	Total
Equipment Installation						
Truck, Pickup	939	Equipment and power unit costs. Labor not included.	Hour	\$21.41	2	\$42.82
Chemical, ground application	948	Chemical application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$6.03	160	\$964.80
Tractor, agricultural, 60 HP	963	Agricultural tractor with horsepower range of 50 to 90. Equipment and power unit costs. Labor not included.	Hour	\$24.35	40	\$974.00
Labor						
Equipment Operators, Light	232	Includes: Skid Steer Loaders, Hydraulic Excavators <50 HP, Trenchers <12", Ag Equipment <150 HP, Pickup Trucks, Forklifts, Mulchers	Hour	\$23.53	40	\$941.20
Supervisor or Manager	234	Labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	\$43.59	2	\$87.18
Materials						
Herbicide, Picloram	337	Refer to WIN-PST for product names and active ingredients. Includes materials and shipping only.	Acre	\$18.98	160	\$3,036.80
Herbicide, Surfactant	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. Includes materials and shipping only.	Acre	\$1.31	160	\$209.60
Mobilization						
Mobilization, medium equipment	1139	Equipment with 70-150 HP or typical weights between 14,000 and 30,000 pounds.	Each	\$249.57	1	\$249.57

USDA - Natural Resources Conservation Service

Oregon

Practice: 314 - Brush Management

Scenario #7 - Mechanical, Large Woody, Medium Infestation

Scenario Description:

Removal of large woody vegetation of medium density infestations. The practice entails the removal of brush and/or trees typically by pushing, grubbing, masticating, chaining and then raking or piling in order to reduce fuel loading and improve ecological site condition. Brush density has exceeded desired levels based on ecological site potential. It has been determined that the brush is at a medium infestation, typically considered less than 11-30% canopy cover. Large shrubs are generally those greater than 4 feet tall.

Before Situation:

Area consist of excessive stands of shrub species degrading health and vigor of native herbaceous species promoting noxious and invasive species and degrading wildlife habitat.

After Situation:

Woody species are removed to achieve the desirable plant community based on species composition, structure, density, and canopy cover or height. Ecological site condition is progressing in an upward trend, hydrology and plant health and vigor is returning to near normal levels, and improved wildlife habitat.

Feature Measure: Acres planned

Scenario Unit: Acre

Scenario Typical Size: 120.0

Scenario Total Cost: \$46,266.10

Scenario Cost/Unit: \$385.55

Cost Details:

Component Name	ID	Description	Unit	Cost	QTY	Total
Equipment Installation						
Dozer, 200 HP	928	Track mounted Dozer with horsepower range of 160 to 250. Equipment and power unit costs. Labor not included.	Hour	\$190.81	200	\$38,162.00
Truck, Pickup	939	Equipment and power unit costs. Labor not included.	Hour	\$21.41	10	\$214.10
Labor						
Skilled Labor	230	Labor requiring a high level skill set: Includes carpenters, welders, electricians, conservation professionals involved with data collection, monitoring, and or record keeping, etc.	Hour	\$38.45	8	\$307.60
Equipment Operators, Heavy	233	Includes: Cranes, Hydraulic Excavators >=50 HP, Dozers, Paving Machines, Rock Trenchers, Trenchers >=12", Dump Trucks, Ag Equipment >=150 HP, Scrapers, Water Wagons.	Hour	\$33.35	200	\$6,670.00
Supervisor or Manager	234	Labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	\$43.59	10	\$435.90
Mobilization						
Mobilization, large equipment	1140	Equipment >150HP or typical weights greater than 30,000 pounds or loads requiring over width or over length permits.	Each	\$476.50	1	\$476.50

USDA - Natural Resources Conservation Service

wildlife forage
Oregon seeding

Practice: 512 - Forage and Biomass Planting

Scenario #6 - Small Acreage Nonnative High Seeding Rate no Lime

Scenario Description:

The small acreage field (typically 1 to 10 acres) is seeded to herbaceous cover, consisting of a mixture of non-native species for pasture, hay or biomass production. The high seeding rate is used in areas of higher precipitation or on irrigated fields where moisture or other site conditions are not limiting. The high rate is typically in the vicinity of 30 lb/acre PLS (Pure Live Seed). Higher seeding rates account for seed losses to causes such as increased density of predators or moisture conditions which may cause seed to rot before sprouting. Since moisture is not limiting, a higher density of desirable seedlings also offers greater competition to weed seedlings without significant adverse effects to the planted species. The small acreage is broadcast seeded. Resource concerns addressed: improve or maintain livestock nutrition, provide or increase forage supply, reduce soil erosion, improve soil and water quality, or produce feedstock for biofuel or energy production. The practice applies to all lands suitable to the establishment of species for forage or biomass production, but not to the establishment of annually planted and harvested food, fiber or oilseed crops. Results of a soil test DO NOT show the need for lime or similar soil amendments.

Before Situation:

Poor or nonexistent stand of desired herbaceous species. Resource concerns may include undesirable plant productivity and health, inadequate feed and forage for livestock, soil erosion and soil quality.

After Situation:

Suitable species are established to improve or maintain livestock nutrition, provide or increase forage supply, reduce soil erosion, improve soil and water quality, or produce feedstock for biofuel or energy production. The typical size of the practice is 30 acres.

Feature Measure: Acres of Forage and Biomass Planti

Scenario Unit:: Acre

Scenario Typical Size: 5.0

Scenario Total Cost: \$2,182.68

Scenario Cost/Unit: \$436.54

\$ 203.98 / acre

Cost Details:

Component Name	ID	Description	Unit	Cost	QTY	Total
Equipment Installation						
Tillage, Light	945	Includes light disking (tandem) or field cultivator. Includes equipment, power unit and labor costs.	Acre	\$10.95	20	\$219.00
Chemical, ground application	948	Chemical application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$6.03	10	\$60.30
Fertilizer, ground application, dry bulk	950	Dry bulk fertilizer application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$6.50	5	\$32.50
Seeding Operation, Broadcast, Ground	959	Broadcast seed via ground operation. May require post tillage operation to incorporate seed. Includes equipment, power unit and labor costs.	Acre	\$12.38	5	\$61.90
Materials						
Nitrogen (N), Ammonium Nitrate	69	Price per pound of N supplied by Ammonium Nitrate. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.95	200	\$190.00
Phosphorus, P2O5	73	Price per pound of P2O5 supplied by Superphosphate. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.45	250	\$112.50
Potassium, K2O	74	K2O supplied by Muriate Of Potash. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.40	250	\$100.00
Test, Soil Test, Standard	299	Includes materials, shipping, labor, and equipment costs.	Each	\$10.21	1	\$10.21
Herbicide, Glyphosate	334	A broad-spectrum, non-selective systemic herbicide. Refer to WIN-PST for product names and active ingredients. Includes materials and shipping only.	Acre	\$18.87	10	\$188.70
Four Species Mix, Cool Season, Introduced Perennial (2 grasses, 2 legumes)	2317	Cool season grass and legume mix. Includes material and shipping only.	Acre	\$47.90	20	\$958.00
Mobilization						
Mobilization, medium equipment	1139	Equipment with 70-150 HP or typical weights between 14,000 and 30,000 pounds.	Each	\$249.57	1	\$249.57

USDA - Natural Resources Conservation Service

Oregon

Practice: 512 - Forage and Biomass Planting

Scenario #1 - Non-Native Standard Seeding with Fertilizer

Scenario Description:

The field is seeded to herbaceous cover, consisting of a mixture of non-native species for pasture, hay or biomass production. The standard low seeding rate is typically used in areas of lower precipitation or other sites where moisture or other site conditions are limiting. Standard rate is typically in the vicinity of 9 lb/acre PLS (Pure Live Seed). Resource concerns addressed: improve or maintain livestock nutrition, provide or increase forage supply, reduce soil erosion, improve soil and water quality, or produce feedstock for biofuel or energy production. The practice applies to all lands suitable to the establishment of species for forage or biomass production, but not to the establishment of annually planted and harvested food, fiber or oilseed crops.

Before Situation:

Poor or nonexistent stand of desired herbaceous species. Resource concerns may include undesirable plant productivity and health, inadequate feed and forage for livestock, soil erosion and soil quality.

After Situation:

Suitable species are established to improve or maintain livestock nutrition, provide or increase forage supply, reduce soil erosion, improve soil and water quality, or produce feedstock for biofuel or energy production. The typical size of the practice is 30 acres.

Feature Measure: Acres of Forage and Biomass Plant

Scenario Unit:: Acre

Scenario Typical Size: 30.0

Scenario Total Cost: \$6,090.91

Scenario Cost/Unit: \$203.03

\$ 87.00/ac

Cost Details:

Component Name	ID	Description	Unit	Cost	QTY	Total
Equipment Installation						
Tillage, Light	945	Includes light disking (tandem) or field cultivator. Includes equipment, power unit and labor costs.	Acre	\$10.95	60	\$657.00
Chemical, ground application	948	Chemical application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$6.03	30	\$180.90
Fertilizer, ground application, dry bulk	950	Dry bulk fertilizer application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$6.50	30	\$195.00
Seeding Operation, No Till/Grass Drill	960	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$20.99	30	\$629.70
Materials						
Nitrogen (N), Ammonium Nitrate	69	Price per pound of N supplied by Ammonium Nitrate. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.95	1200	\$1,140.00
Phosphorus, P2O5	73	Price per pound of P2O5 supplied by Superphosphate. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.45	1500	\$675.00
Potassium, K2O	74	K2O supplied by Muriate Of Potash. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.40	1500	\$600.00
Test, Soil Test, Standard	299	Includes materials, shipping, labor, and equipment costs.	Each	\$10.21	1	\$10.21
Herbicide, Glyphosate	334	A broad-spectrum, non-selective systemic herbicide. Refer to WIN-PST for product names and active ingredients. Includes materials and shipping only.	Acre	\$18.87	30	\$566.10
Four Species Mix, Cool Season, Introduced Perennial (2 grasses, 2 legumes)	2317	Cool season grass and legume mix. Includes material and shipping only.	Acre	\$47.90	30	\$1,437.00

USDA - Natural Resources Conservation Service

Practice: 314 - Brush Management

Scenario #8 - Mechanical, Large Woody, Heavy Infestation

Scenario Description:

Removal of large woody vegetation of heavy density infestations. The practice entails the removal of brush and/or trees typically by pushing, grubbing, masticating, chaining then raking or piling in order to reduce fuel loading and improve ecological site condition. Brush density has exceeded desired levels based on ecological site potential. It has been determined that the brush is at a heavy infestation, typically considered greater than 30% canopy cover. Large shrubs are generally those greater than 4 feet tall. This scenario also applies to medium density large woody infestations on sites with difficult conditions such as limited access, steep slopes, or large rocks or rock outcrops.

Before Situation:

Area consist of excessive stands of shrub species degrading health and vigor of native herbaceous species promoting noxious and invasive species and degrading wildlife habitat.

After Situation:

Woody species are removed to achieve the desirable plant community based on species composition, structure, density, and canopy cover or height. Ecological site condition is progressing in an upward trend, hydrology and plant health and vigor is returning to near normal levels, and improved wildlife habitat.

Feature Measure: Acres planned

Scenario Unit: Acre

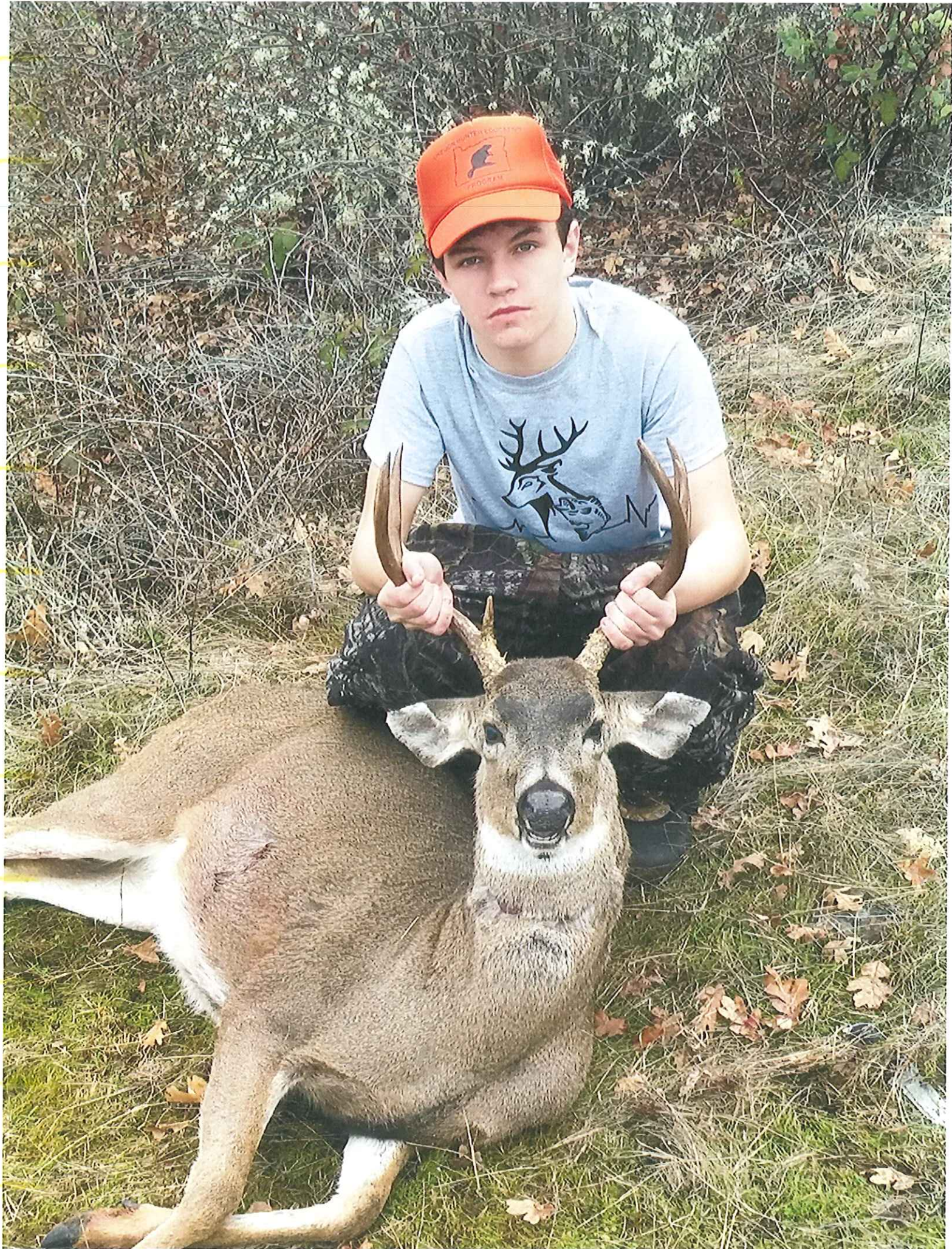
Scenario Typical Size: 120.0

Scenario Total Cost: \$57,799.10

Scenario Cost/Unit: \$481.66

Cost Details:

Component Name	ID	Description	Unit	Cost	QTY	Total
Equipment Installation						
Dozer, 200 HP	928	Track mounted Dozer with horsepower range of 160 to 250. Equipment and power unit costs. Labor not included.	Hour	\$190.81	250	\$47,702.50
Truck, Pickup	939	Equipment and power unit costs. Labor not included.	Hour	\$21.41	15	\$321.15
Labor						
Skilled Labor	230	Labor requiring a high level skill set: Includes carpenters, welders, electricians, conservation professionals involved with data collection, monitoring, and or record keeping, etc.	Hour	\$38.45	8	\$307.60
Equipment Operators, Heavy	233	Includes: Cranes, Hydraulic Excavators >=50 HP, Dozers, Paving Machines, Rock Trenchers, Trenchers >=12", Dump Trucks, Ag Equipment >=150 HP, Scrapers, Water Wagons.	Hour	\$33.35	250	\$8,337.50
Supervisor or Manager	234	Labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	\$43.59	15	\$653.85
Mobilization						
Mobilization, large equipment	1140	Equipment >150HP or typical weights greater than 30,000 pounds or loads requiring over width or over length permits.	Each	\$476.50	1	\$476.50





Jade Keehn

From: Bryan Coggins <bryan.coggins40@gmail.com>
Sent: Tuesday, August 28, 2018 8:06 AM
To: Jade Keehn
Cc: Bill Fisher; Bryan Coggins; Eric Jordan; Jeff; Ken Ogawa; Norma Morehouse; Richard Moyer; wayne mackenzie; Zachary Lycett
Subject: C2 Ranch A&H Funding

Jade-

In last night's RVOHA Board Meeting, a request for \$2000 (\$1000 commitment for 2019, \$1000 commitment for 2020) matching funds was discussed and unanimously approved by the Board. Thank you for the opportunity of maintaining this important partnership.

We are pleased to continue the already established partnerships between RVOHA, C2 Ranch and ODFW. To the extent it serves the needs and ambitions of C2 Ranch, RVOHA would like to discuss ways of supporting the "guided" hunt aspect of this relationship, perhaps with accomplished volunteer hunting assistance provided by RVOHA members? Our goals are simple, put as much money into the habitat restoration efforts as possible while supporting the hunting success of those privileged to have access to C2 Ranch. If we can offer volunteer support in a manner that minimizes disruptions to C2 Ranch's important business operations, we want to do that as well. Please advise Shawn Jones of our interest and offer of support in trying to achieve all of these goals.

Please let us know if you have any further needs or questions. Please contact our Treasurer, Richard Moyer, to arrange for payment on your optimized timeline.

Thanks...

Bryan



Oregon

Kate Brown, Governor

**Department of Fish and Wildlife
Rogue Watershed District**

1495 East Gregory Road
Central Point, OR 97502
VOICE (541) 826-8774
FAX (541) 826-8776

August 13, 2018

Access & Habitat Board
4034 Fairview Industrial Dr. SE
Salem, OR 97302

Members of the Board,

C2 Ranch has played an important part in our black-tailed deer management in the Rogue district for many years. The Ranch has some of the best winter range in our region, and the hunt programs provided through A&H are especially important for promoting youth hunting. The Ranch personnel do a very good job of providing a good experience for youth hunters. The hunting opportunities receive very positive media coverage and add an element of excitement and anticipation to our hunting seasons.

This intent of letter is to express my support for the C2 Ranch Access and Habitat Project. We are pleased that C2 is continuing to participate in the Access and Habitat Program, and we feel that it is a valuable part of our management program in the Rogue Watershed.

Cordially,

Steve Niemela
Rogue Watershed District Biologist