



United States Department of the Interior



FISH AND WILDLIFE SERVICE

Willapa National Wildlife Refuge Complex
3888 State Route 101
Ilwaco, Washington 98624
Phone: 360-484-3482 Fax: 360-484-3109

February 2, 2015

Dear Interested Bidder:

The U.S. Fish and Wildlife Service (Service) currently has eight (8) grazing permits and two (2) haying/silage permits available for bid on Willapa National Wildlife Refuge Complex.

Grazing and haying on Willapa National Wildlife Refuge Complex are used to support habitat management objectives. The number of AUMs grazed and areas to be hayed and grazed can vary from year to year. Grazing and haying are contingent upon adequate growth of vegetation. Cooperative Land Management Agreements (CLMA), contracts used between the Service and the Cooperator to administer the program, may need to be curtailed or canceled dependent upon adequate vegetation growth to meet wildlife and habitat management objectives. Every effort will be made to give permit holders ample notice of changes and/or cancellation.

The units to be grazed include the Mainland and Tenasillahe Island units at Julia Butler Hansen Refuge for Columbian White-tailed Deer (JBH), the Brownsmead Unit at Lewis and Clark National Wildlife Refuge (LNC), and the Riekkola Unit at Willapa National Wildlife Refuge (WLP). Grazing typically occurs between April 15 and October 15 annually. The units to be hayed include the Mainland Unit at JBH and the Tarlatt unit at WLP. Haying is to be completed between April 1 and October 15 of each year. Grazing and haying on Refuge lands are subject to some restrictions and requirements. Please see attached samples of CLMA and Annual Work Plans for more information on restrictions and requirements.

Bids are to be submitted in a sealed envelope marked Hay Bid and/or Grazing Bid. The bids must be on a per-acre for haying or per-AUM basis for grazing. The envelopes may be submitted either by mail or hand delivery to the refuge office. In either case, bids will only be accepted between February 2 and February 20, 2015. Bid envelopes must be received in the refuge office by February 20, 2015 at 4:00 pm. All bids will be opened on March 2. Current cooperators for each unit will have the option to match the high bid if they have bid on that unit. High bidders will be notified promptly of their selection.

Interested bidders must meet certain qualifications. Bidders must own sufficient livestock to reach management goals and must have or obtain insurance to cover the cost of cattle. Bidders must also be willing to enter into a CLMA in which the Cooperator provides in-kind services such as fence

repair, mowing, and/or spraying of weeds. Cooperator will be required to provide their own equipment. Materials will be supplied by the Service. See the attached CLMA, Annual Work Plan, and unit maps for reference.

Cooperators interested in grazing the Tenasillahe Island Unit should note they will be charged for the cost of transporting cattle on and off the island on Refuge barge at the beginning and end of the grazing season. The charge will be rendered in the form of share-in-kind services. The total cost is typically \$6,000 per year and will be split equally among participating cooperators. Any other necessary travel to and from Tenasillahe Island will be the responsibility of the Cooperator.

To participate in the bidding process please fill-out the attached application and bid sheet. Bids should be mailed to Willapa NWR, 3888 SR 101, Ilwaco, WA 98624.

For further information regarding this opportunity, please contact Eva Kristofik at 360-484-3482 or Keely Lopez at 360-795-3915, <http://www.fws.gov/refuge/Willapa/> and http://www.fws.gov/refuge/Julia_Butler_Hansen/, or visit the Refuge offices and we will be glad to answer your questions.

Sincerely,



Jackie Ferrier
Project Leader

Willapa National Wildlife Refuge Complex
3888 SR 101, Ilwaco, WA 98624
360-484-3482

Application for consideration

Willapa National Wildlife Refuge Complex (WNWRC) is administered by the U.S. Fish and Wildlife Service and consists of Julia Butler Hansen Refuge for the Columbian White-tailed Deer (Cathlamet, WA), Lewis and Clark National Wildlife Refuge (NWR) (islands within the lower Columbia River) and Willapa NWR (Ilwaco, WA). In an effort to better manage the habitat for wildlife, including the Columbian White-tailed deer (CWTD), migratory birds, nesting birds, and resident wildlife; WNWRC is seeking applicants for our seasonal grazing program. The program is managed using a Cooperative Land Management Agreement (CLMA), with the cooperators providing in-kind services by helping us manage for wildlife habitat. In-kind services that are most commonly utilized are fence repair, mowing, and/or spraying of weeds.

Interested cooperators will be evaluated based on bid amount, ability to comply with in-kind services, and prior knowledge of grazing on wildlife conservation lands. A person may be awarded both a haying allotment and a grazing allotment. Bids may be submitted for more than one haying or grazing unit as long as the bidder indicates his/her order of preference by unit.

Bids are to be submitted in a ***sealed envelope*** marked **Hay Bid** and/or **Grazing Bid**. The bids must be on a per acre basis for haying or per AUM basis for grazing. The envelopes may be submitted either by mail or hand delivery to the refuge office. In either case, bids will only be accepted between February 2 and February 20, 2015. Bid envelopes must be received in the refuge office by February 20, 2015 at 4:00 pm. All bids will be opened on March 2nd. Current cooperators for each unit will have the option to match the high bid. High bidders will be notified promptly of their selection. A maximum of 4 allotments will be awarded to any cooperator.

See the attached map for unit locations and access points.

Applicant Information:

Name of Bidder _____

Partner (if applicable) _____

Name of Business or Ranch _____

Address _____

Telephone Number _____

E-mail address _____

Refuge Preference (check all that apply):

- Julia Butler Hansen Refuge for the Columbian White-tailed Deer: Mainland Unit
- Julia Butler Hansen Refuge for the Columbian White-tailed Deer: Tenasillahe Island*
- Lewis and Clark National Wildlife Refuge: Brownsmead Unit
- Willapa National Wildlife Refuge: Riekkola Unit
- Willapa National Wildlife Refuge: Tarlatt Unit

*Tenasillahe Island is accessible only by boat. Cattle must be transferred on and off Tenasillahe Island by Refuge barge, which restricts the times at which cattle may be moved and incurs an additional cost. Cooperators will be charged for the cost of transporting cattle on and off Tenasillahe Island on Refuge barge at the beginning and end of the grazing season. The charge will be rendered in the form of share-in-kind services. The total cost is typically \$6,000 per year and will be split equally among participating cooperators. Any other necessary travel to and from Tenasillahe Island will be the responsibility of the Cooperator.

MINIMUM BID IS \$26.50/ACRE

<u>Hay Choice</u>	<u>Field Name</u>	<u>Bid \$ per acre</u>
1st		

2nd		

3rd		

MINIMUM BID IS PER AUM AND VARIES ACCORDING TO UNIT, SEE ATTACHED DIAGRAM

<u>Grazing Choice</u>	<u>Field Name</u>	<u>Bid \$ per AUM</u>
1st		

2nd		

3rd		

4th		

5th		

6th		

7th		

8th		

Additional Information:

Response time (ability to respond to cattle being outside of designated units): _____

Type of operation (cow/calf or steer): _____

Number of cattle: _____

Tractor Mower in good working condition: Yes/No (Circle one)
(Mowing of pastures or mechanical weed control will be valued at \$20.16 /acre)

Current Pesticide Applicator's License: Yes/No (Circle one)
Type: _____ Expiration: _____

Experience with Fence Repair: Yes/No (Circle one) Electric Fence: Yes/No (Circle one)
(Labor costs will be valued at \$20.46/hr., removal and new construction of a fence will be valued at \$1,953.60/mile)

Provide a brief history statement of grazing for conservation purposes (including endangered species, and contact information for land managers (include location, type of operation, and length of time working for the land owner)):

Signature _____ Date _____

FWS #: WIL 2015-0002

DCN #: 13552-A-J011
Charge Code: N/A
Amount Obligated: N/A

COOPERATIVE LAND MANAGEMENT AGREEMENT

By and Between

UNITED STATES FISH AND WILDLIFE SERVICE
WILLAPA NWR COMPLEX

and

COOPERATOR NAME
COOPERATOR ADDRESS

I. PARTICIPANTS

This COOPERATIVE LAND MANAGEMENT AGREEMENT (CLMA) is entered into by and between the UNITED STATES DEPARTMENT OF THE INTERIOR, FISH AND WILDLIFE SERVICE (FWS), acting through its Regional Director, Pacific Region, and **Cooperator Name** (Cooperator), on the basis of the following facts and circumstances:

II. RECITALS

A. FWS established the Willapa National Wildlife Refuge in 1937 with the primary purpose being to preserve and manage habitat for migratory waterfowl. The refuge is located in Pacific County, Washington. FWS established the Julia Butler Hansen Refuge for the Columbian White-tailed Deer in 1971 with the primary purpose being to preserve the Columbian white-tailed deer in its natural habitat while also providing a waterfowl use area. The Refuge is located along the Columbia River and includes parcels within Wahkiakum County, Washington, and Clatsop County, Oregon. Lewis and Clark National Wildlife Refuge was established in 1972 to preserve estuary land and water as vital fish and wildlife habitat in the lower portions of the Columbia River. The Refuge units are located in Clatsop County, Oregon.

B. The mission of Willapa National Wildlife Refuge is 1) for use as an inviolate sanctuary or for any other purpose for migratory birds; 2) as a refuge and breeding ground for migratory birds and other wildlife; and 3) incidental fish and wildlife oriented recreational development, the protection of natural resources, and the conservation of endangered species or threatened species. The mission of Julia Butler Hansen Refuge for the Columbian White-tailed Deer is 1) preserve the Columbian white-tailed deer and its habitat; 2) as a refuge and breeding ground for migratory birds and other wildlife; and 3) incidental fish and wildlife oriented recreation

development, the protection of natural resources and the conservation of endangered and threatened species. The mission for the Lewis and Clark National Wildlife Refuge is 1) preserve important wintering and foraging habitat for migratory waterfowl in the Pacific Flyway; 2) protect nesting and roosting habitat for the bald eagle; and 3) to support a diverse assemblage of native fish, wildlife, and plants, and their habitats.

C. The Refuge Administration Act, 16 U.S.C. § 715i, respecting administration of refuge, authorizes the Secretary to enter into agreements with public and private agencies and individuals.

D. Part 29.2 of Title 50, Code of Federal Regulations, entitled "Cooperative Land Management," provides:

Cooperative agreements with persons for crop cultivation, haying, grazing, or the harvest of vegetative products, including plant life, growing with or without cultivation on wildlife refuge areas may be executed on a share-in-kind basis when such agreements are in aid of or benefit to the wildlife management of the area.

E. The Cooperator has shown a willingness to work with the FWS, and has the expertise necessary to cooperatively manage assigned units of the Refuge.

F. This agreement does not imply or establish a use precedent. Future use of this area will be based upon the most satisfactory use of the land for wildlife benefits, cooperator performance, habitat management needs and administrative needs.

G. The Cooperator agrees to perform habitat maintenance equal to or greater than the economic value of the assigned rental rates as assigned in Annual Work Plan (see Attachment 1).

H. All improvements made to the Refuge as a result of this CLMA become property of the United States.

III. PURPOSE

The FWS and the Cooperator shall manage units of the Refuge for the benefit of wildlife, and the grassland and wetland ecosystems upon which they depend as set forth in Part X and Attachment 1 of this agreement.

IV. AUTHORITY

National Wildlife Refuge System Administration Act of 1966, 16 U.S.C. § 668ddee
Migratory Bird Conservation Act of 1929, 16 U.S.C. § 715i
Refuge Revenue Sharing Act of 1935, 16 U.S.C. § 715s; 92 Stat. 1319
Endangered Species Act of 1973, 16 U.S.C. § 21531 - 1544

V. PERIOD OF PERFORMANCE

The CLMA shall become effective upon being executed by both parties and shall continue for a period of 3 (three) years from the date of execution. The growing season, for the purposes of this CLMA is from April 15 through October 15. The haying and silage cutting season shall be from April 15 to September 30. Specific on and off dates for cattle grazing will be determined on an annual basis and will be listed in the Annual Work Plan. Dates may be adjusted dependent upon the judgment of the Project Manager.

Either party may terminate its participation in this CLMA upon 60 days written notice to the other party. Upon default or breach of this CLMA by either party, the other party may immediately terminate all or part of this CLMA by written notice to the other party.

VI. FUNDING INFORMATION

The FWS will not provide any funds to the Cooperator to fulfill the terms of this agreement nor will the FWS receive any funds from the Cooperator. This agreement is a share-in-kind program for the benefit of wildlife. The Cooperator will be charged the rate determined by competitive bid when applicable and by adjustment to rates established through local rate surveys or statewide averages. Rates will remain constant for life of the CLMA and will be updated every three years. The Cooperator will be credited for habitat and/or facility maintenance performed on the refuge. Specific rates for work done, use of the fields, and a prediction of habitat maintenance expected from the Cooperator will be listed in the Annual Work Plan.

Tenasillahe Island is accessible only by boat. Cattle must be transferred on and off Tenasillahe Island by Refuge barge, which restricts the times at which cattle may be moved and incurs an additional cost. Cooperators will be charged for the cost of transporting cattle on and off Tenasillahe Island on Refuge barge at the beginning and end of the grazing season. The charge will be rendered in the form of share-in-kind services. The total cost is typically \$6,000 per year and will be split equally among participating cooperators. Any other necessary travel to and from Tenasillahe Island will be the responsibility of the Cooperator.

VII. PROJECT MANAGER/OFFICER FOR EACH PARTY

U.S. Fish and Wildlife Service
Jackie Ferrier
Project Leader, Willapa NWR Complex
3888 SR 101
Ilwaco, WA 98624
360-484-3482

Cooperator
Cooperator Name
Name of Road
city, state zip
phone

VIII. REPORTING REQUIREMENTS

The FWS will provide the Cooperator with an Annual Work Plan which includes Performance Verification Sheets, Spray Record Sheets, a map, and a schedule of habitat units to be used for grazing, haying and/or silage. Performance Verification Sheets and Spray Record Sheets containing information on the products removed from the refuge and work completed must be submitted to the Project Manager by the Cooperator at the end of the field season.

IX. MODIFICATION PROCEDURES

Modifications to this CLMA shall be made in writing, with mutual consent of Cooperator and FWS. The rights and obligations of the Cooperator set forth in this CLMA to carry out particular project contributions may be assigned in part by the Cooperator to a third party with the consent of the FWS Project Manager, except as noted here: this agreement provides for the utilization of grazing and the harvesting of hay and/or silage only for personally-owned livestock of the cooperator.

If this agreement is for more than one year the conditions, including but not limited to acreage, herbicide use, AUMs, etc., may be altered or modified annually, following the first year of operation. Changes in the agreement must be made prior to start of season and written in an Annual Work Plan, which is attached to and becomes part of the agreement.

The Service must provide the cooperator those changes to the agreement prior to March 15 by a written addendum. The cooperator then has until April 1 to accept or turn down those changes. If the changes are agreed upon by the cooperator, the addendum is signed and attached and becomes part of the agreement. If the changes are not accepted, the selection process will begin again.

X. PROVISIONS

A. Habitat Management Objectives:

The objective of this agreement is to: a) improve forage conditions for migratory waterfowl and Columbian white-tailed deer by providing new grass and forb growth; b) control weeds, such as tansy, thistle and blackberries; and c) restore wetland and upland habitat to its native condition.

The FWS will make available excess forage to the cooperator for grazing, haying and/or silage harvest.

The Cooperator will provide the equipment and/or number of cattle necessary to meet individual field objectives. Rotational grazing, haying and silage cutting will be the acceptable methods used to remove excess forage to achieve the desired grass height. The Cooperator shall also provide a sufficient number of personnel needed to move cattle between fields to utilize the rotational grazing system. The methods and field locations for forage harvest will be identified in the Annual Work Plan. Any changes of field utilization during the season will be recorded as an Amendment to the Annual Work Plan.

Maintenance or improvement of fields and other habitat will be determined by the FWS and may include fertilizing, aerating the soil, clearing debris deposited by winter floods, disking, tilling areas adequately to prepare the soil for tree planting, tree or field planting, herbicide application and mowing of grazing units.

B. Facility Maintenance Objectives:

The FWS and Cooperator may supply materials, equipment and labor to accomplish certain facility management/maintenance projects as prescribed by the Project Manager in the annual work plan. These projects may include installation, replacement, repair, removal or maintenance of fences, ditches, livestock watering facilities, access points, and gates.

C. Expected Wildlife Benefit:

All land and facility maintenance projects conducted by both parties will provide direct wildlife benefits on the Refuge, which will be monitored by the FWS. Some of the anticipated wildlife benefits as a result of this CLMA include green forage at an optimum height for resident and migratory wildlife, restored and protected wetland and riparian areas and restored forests.

D. Pest Control:

The Project Leader must approve any use of herbicides. Use of fungicides and insecticides will not be allowed under this agreement. An approved Pesticide Use Plan (PUP) is required before pesticide application and Cooperator is required to follow the associated guidelines.

The Cooperator shall provide the Project Leader (or designee) with product labeling and/or the Safety Data Sheet 60 days prior to use to provide adequate time to determine approval or disapproval of the product. Neonicotinoid chemical cannot be used. The Cooperator may be required to post fields and/or provide maps (GPS coordinates) after pesticide application. The Cooperator is required to report pesticide use by November 1.

E. Refuse:

Refuse may not be dumped, stored or otherwise disposed of on refuge lands without the permission of the FWS Project Manager. Hay may not be stored on the Refuge. Cooperator is responsible for removing all equipment and refuse resulting from the operation on Refuge land at the end of the season.

F. Damage:

The United States shall not be responsible for any loss or damage to property; or injury to the Cooperator or his representatives; or for any damages or interference caused by wildlife or employees or representatives of the Government carrying out their official responsibilities. Upon termination of this CLMA, the Cooperator shall leave the fields in as good order and condition as when received except for (a) alterations approved by the parties for restoration and management improvements, and (b) reasonable wear, tear or damage occurring without fault or negligence, including without limitation flood damage. Cooperator shall be responsible for

repairing damage to any government owned fields, roads, dikes, equipment or facilities, beyond normal wear and tear, resulting from their use of the refuge.

G. Operating Rules and Laws:

The Cooperator shall keep the Units in a neat and orderly condition at all times, and shall comply with all municipal, county, and State laws applicable to its operations under this CLMA as well as all Federal laws and regulations governing National Wildlife Refuges. The Cooperator shall comply with all instructions issued by the Project Leader applicable to this CLMA. Other pertinent provisions include:

1. As stated in the code of federal regulations “disturbing, injuring, spearing, poisoning, destroying, collecting or attempting to disturb, injure, spear, poison, destroy or collect any plant or animal on any national wildlife refuge is prohibited...” (50 CFR 27.51)
2. The Endangered Species Act of 1973 (16 U.S.C. 1531-1544) “prohibits unauthorized taking, possession, sale, and transport of endangered species” or any part thereof.
3. All refuge gates will be closed and locked at the end of each day as the Cooperator leaves the field.
4. Cooperator will exercise care to prevent fire and will assume responsibility for fire which results from his operations.
5. The use of firearms or other weapons is prohibited on Refuge lands except as authorized by Project Manager.
6. Stocking rates may be altered during the season should pasture conditions warrant, dependent upon judgment of Project Manager (or designee).
7. Project Manager (or designee) needs to be notified three days in advance of the date cattle are to be turned in or removed from the refuge.
8. Animals will be contained in assigned units. Fence must be maintained by the cooperator, and shall be inspected and repaired before cattle are moved onto the refuge. Any permanent fence constructed on National Wildlife Refuge System lands will become property of the Service.
9. The cooperator shall comply with livestock health and sanitation regulations of the state of Washington and the state of Oregon, where applicable.
10. The Service reserves the right to modify or terminate the CLMA if habitat conditions warrant.

11. All liability relating to livestock and livestock management to include all persons working for the cooperator, whether related, hired, or as a partner is strictly that of the cooperator as listed on the CLMA.
12. The cooperator must have or acquire liability insurance that covers the livestock being grazed on Service lands. A copy of the liability insurance must be provided to the Project Leader (or designee).
13. Calves are counted as adults when they reach six months of age for the purpose of Animal Unit Month (AUM) calculations.
14. Cooperator is responsible for removing dead livestock carcasses from the refuge. Cooperator must notify Project Manager (or designee). All carcasses must be removed within 48 hours, unless other arrangements have been made with the Project Manager (or designee).
15. All equipment for grazing, including ATVs and UTVs, must be clean and free of invasive species plant material including seeds before entering any Refuge or Service easement. The Project Leader (or designee) reserves the right to inspect and deny the use of any equipment/vehicle/horse etc. that appears to contain invasive species plant material or seeds.
16. Equipment must meet all safety regulations and must be in good working condition.
17. Be responsible for any spill cleanup resulting from equipment operations. Any spill resulting in the release of more than 1 gallon into the environment needs to be reported immediately to the Refuge Manager.
18. Any livestock management action including branding or dehorning on Service land must be approved by the Project Leader (or designee).
19. Use of minerals (salt or protein) will be allowed. Cooperator must provide product labeling to the Project Leader (or designee) for approval prior to use. Minerals must be in a container that minimizes spillage and are easily moved and placed as required by the Project Leader (or designee).
20. Supplemental feeding is not allowed.
21. Haying and grazing privileges may not be sold, transferred, or sublet, except by transfer to heirs in the event of the death of the Cooperator.
22. Non-use of grazing or haying privileges, in whole or in part, shall be cause for cancellation of a Cooperator's privileges at the discretion of the Project Leader unless non-use has previously been approved.

23. Haying and/or silage cuttings and mowing operations will not be permitted during fawn season between June 1 and July 15 Mainland Unit and Tenasillahe Island on Julia Butler Hansen Refuge.
24. Failure to comply with the terms of the CLMA is enforceable under current federal regulations and may result in cancellation of the CLMA.

H. Remedies:

Either party shall have the right to enforce this CLMA by any available remedy under the laws of the United States or the States of Washington or Oregon, as applicable. Failure of the FWS to insist upon a strict compliance with any of the terms, conditions and requirements of this CLMA shall not constitute a waiver or be considered as a giving up of the FWS right to thereafter enforce any of the CLMA's terms, conditions or requirements.

I. Officials Barred From Participating:

No member of or Delegate to Congress shall participate in any part of this CLMA or to any benefit that may arise from it, but this provision shall not pertain to this CLMA if made with a corporation for its general benefit.

J. Nondiscrimination in Employment:

The Cooperator agrees to be bound by the equal opportunity clause of Executive Order 11246, which is made part of this CLMA.

K. Addresses for Notices and Contacts:

The address and contact person for each party shall be as set forth below, or such other address and/or contact person as may be provided from time to time by such party:

Jackie Ferrier, Project Leader
Willapa National Wildlife Refuge
3888 SR 101
Ilwaco, WA 98624
360-484-3482

Cooperator Name
Address
City, ST zip
phone

Refuge Point of Contact For Julia Butler Hansen Refuge for Columbian White-tailed Deer and Lewis and Clark National Wildlife Refuge

Keely Lopez
PO Box 566
Cathlamet, WA 98612
360-795-3915

IN WITNESS WHEREOF, the parties hereto have executed this Cooperative Land Management Agreement.

USFWS:
Project Leader

By: _____

Date: _____

ARD, National Wildlife Refuge System

By: _____

Date: _____

U.S. Fish and Wildlife Service
Region 1 Contracting Office
Sufficiency Review

By: _____

Date: _____

Cooperator:
Cooperator Name

By: _____

Date: _____

ANNUAL WORK PLAN

Cooperator Name
 MOU# JBH-XX-20XX

Information for the 20XX Grazing Season:

The Cooperator is legally responsible and liable for their cattle. The Cooperator(s) is required to obtain insurance sufficient to cover all cattle and attach proof of insurance to the CLMA.

The Cooperator will move cattle onto the Refuge after April 15 and remove prior to October 15, 20XX (unless stated otherwise below) and notify Project Manager (or designee) of impending move dates. The Cooperator will inform the Project Manager (or designee) of any remaining cattle after the move dates. In cases when not all cattle were removed on the specified move date, the Cooperator has 5 days after the move day to remove all cattle. The Cooperator is financially and otherwise responsible for moving cattle on and off the Refuge.

The Cooperator is responsible for all fence maintenance. Prior to cattle being moved onto the Refuge, all fences associated with the grazing unit must be checked and repaired as needed. Fence replacement standard is as follows: 4 barbed wire strand fence with bottom wire 12”, top wire 46”, two strands in between evenly spaced, heavy duty T posts spaced 10 feet apart, and wooden posts every 40 feet. The Refuge does have fencing materials, which will be provided to the Cooperator upon request.

The following is a list of habitat units, their rental values and expected habitat maintenance to be performed by the Cooperator during the 201X growing season:

MAINLAND UNIT

Mow/graze as needed to provide a uniform grass height of between four and six inches by October 15th. Field FXX will be rehabilitated this summer, the Cooperator will be notified two weeks prior in order to remove/relocate cattle.

<u>FIELD</u>	<u>ON DATE</u>	<u>OFF DATE</u>	<u>USE</u>	<u>ACRES</u>	<u>\$/ACRE</u>	<u>TOTAL \$</u>
*FXX/XX	4/15	10/15	Graze	21	XX.XX	\$XXX.XX
*FXX	4/15	10/15	Graze	07	XX.XX	\$XXX.XX
*FXX	4/15	10/15	Graze	22	XX.XX	\$XXX.XX
*FXXX	4/15	07/15	Graze	23	XX.XX	\$XXX.XX
Total				73		\$X,XXX.XX

HABITAT MAINTENANCE TO BE PERFORMED IN FIELDS:**

Mow Field XX/XX in fall to provide a uniform grass height of between four and six inches (Mow all vegetation) 21 acres @ \$XX.XX/acre.....\$XXX.XX

Mow Field XX in fall to provide a uniform grass height of between four and six inches (Mow all vegetation) 7 acres @ \$XX.XX/acre.....\$XXX.XX

Spot spray weeds (50 acres) in grazed fields to reduce infestation.....\$XXX.XX
(estimated @ 50 hours of labor @ \$XX.XX/hr = \$)

***Rebuild fence (Unit XX ~500 feet).....\$XXX.XX

Total \$X,XXX.XX

*A maximum of 36 cattle per month not to exceed 216 AUM's/season. Cooperators will be credited for habitat maintenance performed in the units the Cooperator(s) utilizes unless otherwise specified by the Project Manager (or designee). Maximum number of cattle on FXX will be determined based on 1 AUM/2 acres.

**Habitat maintenance will be adjusted based on the specific herbicide applied and fence repair.

***Field X fence along the north side section to be rebuilt (adjacent to Unit X).

A WSDA spray record (attachment 2) will be used for documentation of hours performed by the cooperator ensuring that time spent on Refuge including chemicals sprayed and product used are recorded. Please remit the documented spray record to Willapa National Wildlife Refuge by November 1, 20XX.

20XX MOU STRUCTURE FOR FEES AND WORK VALUES JBH NWR

RENTAL RATES (FOR _____ COUNTY, ASSESSMENT BASED ON FAIR MARKET VALUE BEGINNING 2015)

WORK VALUES

- Mowing of pastures or mechanical weed control will be valued at \$20.16/acre
- Weed control will be valued at labor costs \$20.46/hour
- General maintenance work (fence repair, debris removal etc.) will be valued at \$20.46\hour
- Removal and new construction of a fence will be valued at \$1,953.60/mile

(2) HAY OR SILAGE

HAY	SILAGE	FIELD #	DATE REMOVED	TONS	ACRES CUT

HABITAT MAINTENANCE WORK PERFORMED:

(1) Miscellaneous Work (i.e. fence, gate, water gap etc.):

Date	Job	# people	Hours\Feet	Total Hours

FINAL BALANCE:

REFUGE PRODUCTS USED

MAINTENANCE PERFORMED

# OF ACRES USED	\$ PER ACRE	TOTAL COST	ACRES MOW OR SPRAY	\$ VALUE PER ACRE	TOTAL VALUE

TOTAL _____

TOTAL

Value of acres used: _____

Value of habitat maintenance performed: _____

Value of miscellaneous repairs: _____

TOTAL BALANCE

Pesticide Use Report

Pesticide Used	Amount Used	Acres treated	Application Method?

Table 1: Willapa National Wildlife Refuge Complex grazing and haying units.

Refuge	Unit	Field	Use	Acres	Ratio AU:Acres	Max AUMs	Minimum Bid 2015	Use Dates *	In-kind	Cost at Min Bid
JBH	Main	VS2	Hay	14	N/A	N/A	\$26.50	4/1 - 10/15	Mow weeds several times by Sept 1, aerate, spot spray weeds	\$371.00
JBH	Main	S12, S14, CRN2, CRN6	Graze	46.4	1:2	139	\$5.00	4/15 - 10/15	Mow after grazing to 4-6 in. vegetation height, repair fences	\$696.00
JBH	Main	E2, E8	Graze	60.6	1:2	182	\$4.50	5/15 - 10/15	Rebuild fence, mow after grazing to 4-6 in. vegetation height, spray weeds	\$818.10
JBH	Main	DL2, DL4	Graze	101.4	1:2	304	\$7.00	4/15 - 10/15	Mow after grazing to 4-6 in. vegetation height, spray weeds	\$2,129.40
JBH	Main	BS10, CRS2, CRS4	Graze	60.2	1:2	181	\$6.50	4/15 - 10/15	Rebuild fence, mow after grazing to 4-6 in. vegetation height, spray weeds	\$1,173.90
JBH	Main	CRS14, CRS16, CRN8	Graze	87.8	1:2	263	\$6.50	4/15 - 10/15	Install electric fence, mow after grazing to 4-6 in. vegetation height, spray weeds	\$1,712.10
JBH	Main	BS4, BS6	Graze	25.7	1:2	77	\$5.00	4/15 - 10/15	Rebuild fence, mow after grazing to 4-6 in. vegetation height, spray weeds	\$385.50
JBH	Main	IJ10	Graze	21.7	1:2	65	\$7.00	4/15 - 10/15	Install electric fence, mow after grazing to 6-8 in. vegetation height, spray weeds	\$455.70
JBH	Ten Is**	TI 2, 5-6	Graze	89.4	1:1.5	358	\$5.00	4/15 - 10/15	Mow after grazing to 4-6 in. vegetation height, spray weeds	\$1,788.00
JBH	Ten Is**	TI 7-8	Graze	99.2	1:1.5	397	\$5.00	4/15 - 10/15	Mow after grazing to 4-6 in. vegetation height, spray weeds	\$1,984.00
JBH	Ten Is**	TI 10 - 12	Graze	153.3	1:1.5	613	\$6.00	4/15 - 10/16	Mow after grazing to 4-6 in. vegetation height, spray weeds	\$3,679.20
LNC	Brownsmead	BF1-4	Graze	35.3	1:1.5	141	\$5.50	4/15 - 10/15	Rebuild fence, mow after grazing to 4-6 in. vegetation height, spray weeds	\$776.60
WLP	Riekkola	1-2, 4-8	Graze	183	1:1	1007	\$8.50	4/15 - 9/30	Construct electric fence, repair barbed wire fence	\$8,555.25
WLP	Tarlatt	4, 5	Hay	24.7	N/A	N/A	\$26.50	4/1 - 10/15	Mow weeds several times by Sept 1, aerate	\$654.55
WLP	Wheaton	East A-B, Bridge	Hay	18.3	N/A	N/A	\$26.50	4/1 - 10/15	Mow weeds several times by Sept 1, remove flood debris, aerate	\$484.95
WLP	Wheaton	West A-B	Hay	50.8	N/A	N/A	\$26.50	4/1 - 10/15	Mow weeds several times by Sept 1, remove flood debris, aerate	\$1,346.20

Use dates may vary due to weather, field restoration, Refuge activities, or other unforeseen events.

** Cooperators grazing cattle on Tenasillahe Island will be subject to an additional charge for barge transport of cattle.