

Mag Stewardship Contract Preliminary Advertisement

This advance notice is to afford interested parties time to examine the Contract Area prior to winter. Interested parties may obtain preliminary information and maps about the Mag Contract Area from the Clackamas River Ranger District or go to the forest's web page at <http://www.fs.usda.gov/mthood/>. The Forest Service intends to advertise the Mag Stewardship Contract on the Mt. Hood National Forest in December 2014. If interested and you have any questions, please call Erin Kidwell at 503-630-8791.

Directions to Mag Stewardship Contract Area: From Estacada, Oregon follow State Highway 224 southeast for 26.5 miles to its end at the junction with Forest Roads (FR) 5700 and 4600. Continue on FR 5700 approximately 0.6 miles to intersection 5710. Follow FR 5710 south for approximately 0.6 miles to access the north and east Contract Area. To access the west and south Contract Areas starting at the FR 46 and 5700 intersection bear right on to the FR 46 for approximately 0.7 miles to the intersection of FR 4640 to enter Contract Area. To access the southern Contract Area continue south on the 46 road for approximately 1.1 miles to the intersection with FR 4645. Turn onto FR 4645 and continue southeast for 0.7 miles where you will enter the Contract Area. **Alternative access to Mag Stewardship Contract Area:** From Government Camp, OR travel southeast on State Highway 26 for approximately 12.4 miles to the junction of the FR 4200. Turn right and travel on FR4200 southwest for approximately 8.2 miles to the FR5700 junction. Turn right and travel west on FR 5700 for approximately 17.3 miles to the intersection of the FR 5710, the intersection of FR 4600 is an additional 0.6 miles. From there follow previous instruction to access the Contract Area.

This will be a premeasured Contract and the estimated quantities in this contract will be determined prior to felling. The Forest Service encourages potential bidders to make their own inspection and estimate prior to bid submission. The Forest Service makes no representation, warranty, or guarantee of the accuracy of the quantity estimates. The timber harvest units include second growth plantation timber consisting of primarily Douglas-fir with smaller components of western hemlock, Pacific silver fir, noble fir, grand fir, and western red cedar.

Ranger District	General Location	Acres	Average DBH (inches)	Appraised Harvesting Systems (Percentage of Acres)	Planned Advertisement Date
Clackamas River	T.6S., R.6E., Sections 1, 2, 11, 12, 13, 14, 15, 22, 23, 24; T.6S., R.6E., Sections 8, 7, 9 16, 17, 18, 19, W.M., Unsurveyed, Clackamas County, Oregon	402	Douglas-fir: 10.5 Western Hemlock and Other Coniferous Species: 9.3	Ground-based: 67% Skyline: 9% Helicopter: 24%	12/1/2014

Potential list of mandatory and optional restorative service type work activities

Project#	Mandatory or Optional (M or O)	Description	Unit of Measure	Quantity*
001	M	Pre-Commercial Thinning	Acres	546
002	M	Thinning and Brush Clearing	Acres	139
003	M	Stream Down Wood Creation	Each	5
004	M	Entrance Management	Each	7
005	M	Road Decompanction	Miles	1.02

*Estimated Quantities for Pre-ad

DESCRIPTION PURSUANT TO KT-CT.3.5.7# - INDIVIDUAL TREE DESIGNATION (OPTION 1) (06/2008)

Table 1.

PAYMENT UNIT	DESIGNATION BY DESCRIPTION					
	DESIGNATED SPECIES	SPACING FEET ^{1/2} Or TIM	LSR LEAVE TREES	SKIPS	GAPS	HEAVY THINS
15	Douglas-fir, western hemlock	13	N/A	N/A	N/A	N/A
16	Douglas-fir, western hemlock	13	N/A	N/A	N/A	N/A
17	Douglas-fir, western hemlock	13	N/A	N/A	N/A	N/A
36	Douglas-fir, western hemlock, Pacific silver fir, noble fir, grand fir	13	N/A	N/A	N/A	N/A
37	Douglas-fir, western hemlock, Pacific silver fir, noble fir, grand fir	15	N/A	N/A	N/A	N/A
38	Douglas-fir, western hemlock, Pacific silver fir, noble fir, grand fir	13	N/A	N/A	N/A	N/A
180	Douglas-fir, western hemlock	13	N/A	N/A	Yes	Yes
182	Douglas-fir, western hemlock	13	N/A	N/A	N/A	N/A
184	Douglas-fir, western hemlock	13	N/A	N/A	Yes	Yes
186	Douglas-fir, western hemlock	14	N/A	N/A	N/A	N/A
190	Douglas-fir, western hemlock	14	N/A	N/A	N/A	N/A
191	Douglas-fir, western hemlock	13	N/A	N/A	N/A	N/A
192	Douglas-fir, western hemlock	13	N/A	N/A	N/A	Yes
194	Douglas-fir, western hemlock	13	N/A	N/A	N/A	N/A
196	Douglas-fir, western hemlock	14	N/A	N/A	Yes	N/A
198	Douglas-fir, western hemlock	13	N/A	N/A	N/A	N/A
202	Douglas-fir, western hemlock	13	N/A	Yes	Yes	N/A
204	Douglas-fir, western hemlock	15	N/A	N/A	Yes	N/A
206	Douglas-fir, western hemlock	13	N/A	Yes	Yes	N/A
208	All live trees marked with a horizontal BLUE tracer paint band around it and stump mark.	TIM	Yes	N/A	N/A	N/A
209	Douglas-fir, western hemlock	14	N/A	N/A	N/A	N/A
210	Douglas-fir, western hemlock, western red cedar	15	N/A	N/A	Yes	N/A
212	Douglas-fir, western hemlock	13	N/A	N/A	N/A	Yes
214	Douglas-fir, western hemlock	13	N/A	Yes	Yes	N/A
216	Douglas-fir, western hemlock	14	N/A	N/A	Yes	Yes
218	Douglas-fir	13	N/A	Yes	N/A	N/A
220	Douglas-fir	13	N/A	N/A	N/A	N/A
222	Douglas-fir, western hemlock	13	N/A	N/A	N/A	Yes
224	Douglas-fir, western hemlock	13	N/A	N/A	Yes	N/A
226	Douglas-fir, western hemlock	13	N/A	N/A	N/A	Yes
227	Douglas-fir, western hemlock	14	Yes	Yes	N/A	N/A
228	Douglas-fir, western hemlock	14	Yes	Yes	Yes	Yes

Designation by Description (DxD):

LSR Leave Trees: Leave all trees greater than or equal to 20.0 inches diameter at breast height (DBH)^{3/}.

SKIPS: All trees within 25 feet^{1/} measured from stump height^{2/} of a tree marked with a horizontal **ORANGE** tracer paint band around it and stump mark shall be retained.

GAPS: Cut all designated species with a minimum 5 inch diameter at DBH^{3/} within 25 feet^{1/} measured from stump height^{2/} of a tree marked with a horizontal **YELLOW** tracer paint band around it and stump mark. Trees marked with **YELLOW** tracer paint are to be cut.

HEAVY THINS: Cut all designated species with a minimum 5 inch diameter at DBH^{3/} within 25 feet^{1/} measured from stump height^{2/} of a tree marked with a horizontal **PINK** tracer paint band around it and stump mark. Trees marked with **PINK** tracer paint are to be retained.

All Payment Units:

Cut all designated species, with a minimum 5 inch DBH^{3/}, within the DxD spacing^{1/} measured from stump height^{2/} of a live tree with the largest stump diameter^{2/}. LSR trees, boundary trees or species other than a designated species which have the largest diameter at stump height^{2/} can be used as the largest tree to designate cut trees. (Some Payment Units have old orange banded trees not blacked out and are to be ignored and cut if designated, unless the Payment Units has designated skips).

^{1/} Distances are measured in slope distance, tree face to tree face outside bark at stump height^{2/} or breast height^{3/} above the natural forest floor on the high or uphill side. The face of the tree is defined as the portion of the bole that is closest to the bole of the tree being measured from.

^{2/} Stump height is measured at 4 inches above the natural forest floor on the high or uphill side of the tree. Diameter taken at a right angle to the lean of the tree.

^{3/} Breast height is measured at 4.5 feet above the natural forest floor on the high or uphill side of the tree. Diameter taken at a right angle to the lean of the tree.

Volume Estimate and Utilization Standards

Species	Product	Estimated Quantity	Unit of Measure	Minimum Specifications				
				Merchantable Tree		Piece Required to be Removed		
				Diameter Breast High (d.b.h.) (inches)	Number of Minimum Pieces per Tree	Length (feet)	Diameter Inside Bark at Small End (inches)	Net Scale in % of Gross Scale
Douglas-fir	Sawtimber	10,363	CCF	8.0	1	8	6.0	40
Western Hemlock and Other Coniferous Species	Sawtimber	2,070	CCF	8.0	1	8	6.0	40
All Coniferous Species	GRN BIO CV*	1,108	CCF	5.0	1	8	4.0	N/A

Payment Unit	Yarding System ^a	Unit Acres	Species and Product								Total Saw CCF	Total Grn Bio CV CCF	Total Unit CCF	CCF Per Acre	Remarks
			Douglas-fir		western hemlock		noble fir		Pacific silver fir						
			SAW	GBC	SAW	GB C	SAW	GBC	SAW	GBC					
15	GB	3	82	7	13						95	7	102	34.0	
16	Sky	4	110	9	18	1					128	10	138	34.5	
17	GB	1	27	2	5						32	2	34	34.0	
36	GB	4	49	4	34	70	13	1	3		99	75	174	43.5	
36	Sky	26	318	26	224		81	5	16	3	639	34	673	25.9	
37	Heli	13	159	13	112	31	41	2	8	1	320	47	367	28.2	
38	Sky	13	159	13	112	31	41	2	8	1	320	47	367	28.2	
180	GB	45	1,235	100	201	11					1,436	111	1,547	34.4	
182	GB	1	27	2	4						31	2	33	33.0	
184	GB	18	494	39	81	5					575	44	619	34.4	
186	GB	9	247	20	40	2					287	22	309	34.3	
190	GB	17	466	38	76	4					542	42	584	34.4	
191	Heli	2	55	4	9	1					64	5	69	34.5	
192	Sky	2	55	4	9	1					64	5	69	34.5	
194	Sky	3	82	7	13	1					95	8	103	34.3	
196	GB	10	274	23	45	6					319	29	348	34.8	
196	Sky	13	357	29	58						415	29	444	34.2	
198	GB	6	165	13	27	2					192	15	207	34.5	Appraised for End-lining
202	GB	12	329	27	54	3					383	30	413	34.4	
204	GB	5	137	11	22	2					159	13	172	34.4	
204	Sky	4	110	9	18						128	9	137	34.3	
206	GB	4	110	9	18	2					128	11	139	34.8	
206	Sky	4	110	9	18						128	9	137	34.3	
208	GB	2	26	6	29	4					55	10	65	32.5	
209	Heli	6	165	13	27	2					192	15	207	34.5	
210	GB	20	647	69	74	18					721	87	808	40.4	Appraised for End-lining
212	GB	20	549	45	89	5					638	50	688	34.4	
214	GB	13	357	29	58	3					415	32	447	34.4	
216	GB	29	796	65	130	7					926	72	998	34.4	Appraised for End-lining
218	GB	9	215	19							215	19	234	26.0	
220	GB	7	167	15							167	15	182	26.0	
222	GB	15	412	33	67	4					479	37	516	34.4	
224	GB	21	576	48	94	5					670	53	723	34.4	Appraised for End-lining
226	Sky	13	357	29	58	3					415	32	447	34.4	Slope failure zone cannot be ground-based
227	Heli	13	436	36	10	1					446	37	483	37.2	
228	Sky	15	503	42	12	1					515	43	558	37.2	
Total		402	10,363	867	1,859	226	176	10	35	5	12,433	1,108	13,541	33.7	

The above listed logging system(s) were used by the Forest Service in calculating the stump-to-truck cost in the appraisal. **The above listed logging systems are not required by the contract (except subdivisions that require helicopter yarding).** However, the contractor is to describe logging systems and yarding methods that will meet the end results as part of their Technical Proposal. The Forest Service makes no representation, warranty, or guarantee of the accuracy of the quantity estimates listed above; potential bidders are encouraged to make their own inspection and estimate prior to bid submission.

Unit Number	Acres	Elev. (Est.)	% Slope (Est.)	Major Conifer Species	Ave. Leave Spacing (feet)	Approx. # of Leave Trees/Acre	Est. # Stems/Acre**	Slash	Remarks
1.01	7	2200	25	DF WH WRC	12X12	300	500-800		NO THINNING DEC 1- MARCH 31
1.02	13	2400	35	DF WH WRC	12X12	300	500-800		SHELTERWOOD NO THINNING DEC 1- MARCH 31
1.03	19	2560	15	DF WH WRC	12X12	300	500-800		NO THINNING DEC 1- MARCH 31
1.04	14	2480	30	DF WH WRC	12X12	300	400-600	20' PULLBACK	NO THINNING DEC 1- MARCH 31
1.05	38	3000	40	DF WH WRC	12X12	300	400-600	20' PULLBACK	NO THINNING DEC 1- MARCH 31
1.06	35	2640	45	DF WH WRC	12X12	300	500-2000	20' PULLBACK	NO THINNING DEC 1- MARCH 31
1.07	6	2640	60	DF WH WRC	12X12	300	500-2000	20' PULLBACK	SHELTERWOOD NO THINNING DEC 1- MARCH 31
1.08	26	2680	25	DF WH WRC	12X12	300	500-2000		NO THINNING DEC 1- MARCH 31
1.09	43	2400	40	DF WH WRC	12X12	300	500-800	20' PULLBACK	NO THINNING DEC 1- MARCH 31
1.10	13	3720	30	DF WH NF	15X15	200	500-1000	20' PULLBACK	NO THINNING MARCH 1- JULY 15
1.11	15	3840	20	DF WH WRC NF	15X15	200	500-800	20' PULLBACK	
1.12	22	3680	45	DF WH NF	15X15	200	500-1000	20' PULLBACK	NO THINNING MARCH 1- JULY 15
1.13	9	3800	25	DF WH NF PSF	15X15	200	500-1500	20' PULLBACK	
1.14	14	3760	15	DF WH NF	15X15	200	800-1200	20' PULLBACK	
1.15	9	3800	20	DF WH NF	15X15	200	800-1200	20' PULLBACK	
1.16	10	3720	15	DF WH NF LP	15X15	200	400-1500	20' PULLBACK	
1.17	24	3440	15	DF WH NF	15X15	200	500-1000	20' PULLBACK	
1.18	7	3520	5	DF WH NF	15X15	200	500-1000	20' PULLBACK	
1.19	23	3320	20	DF WH WRC WWP	15X15	200	0-2000		SHELTERWOOD
1.20	8	3320	25	DF WH WRC WWP	15X15	200	0-2000		
1.21	1	3440	25	DF WH WRC WWP	15X15	200	0-2000		
Subtotal	356								

*DF - Douglas-fir

WH - Western Hemlock

MH - Mountain Hemlock

WRC - Western Redcedar

NF - Noble Fir

PSF - Pacific Silver Fir

LP - Lodgepole Pine

WWP - Western White Pine

**Stems per acre are estimates based on the last survey. No contract modifications will be made if these numbers are found to be inaccurate. Potential bidders are encouraged to visit each thinning unit and assess the site conditions and workload before submitting their bids.

PROJECT NUMBER 002, Thinning and Brush Clearing

End Results - Increase growing space for existing trees by clearing competing vegetation. Trees are free to grow with no room to spare.

Unit	Acres	Treated Vegetation
180	45	Vinemaple thickets
184	18	Small trees/vinemaple thickets
196	23	Small trees vinemaple thickets
204	4	Vinemaple
206	8	Small trees
212	20	Brush patches
224	21	Vinemaple thickets
TOTAL	139	

Clearing Specifications for Vegetation Treatment:

Cut all large concentrations of brush or vinemaple thickets throughout the units.

Small Trees: Throughout the units large concentrations or patches of trees less than 5 inches at diameter at breast height^{1/} will be thinned to a 14 x 14 foot residual spacing. Trees left standing will represent a mix of species represented throughout the stand.

Location:

Units are the same as Contract Payment Unit as shown on the Contract Area Map

Restrictions:

For unit restrictions refer to contract provisions including Specific Requirements KT-GT.4.1# and the Project Operation Schedule KT-GT.3.1.5#.

PROJECT 003, Stream Down Wood Creation

End Results: Create aquatic habitat and diversity by restoring natural stream processes through increasing down wood within the streams.

QUANTITY:

(1) Stream	(2) Each	(3) Estimated Number of Trees to Fall	(4) Estimated Number of Existing Logs to Buck
NF Tag Creek (Unit 186)	1	9	4
Tag Creek (Unit 190)	1	5	4
SF Tag Creek W (Unit 202)	1	6	4
SF Tag Creek E (Unit 204)	1	4	4
TOTAL	4	24	16

1. DESCRIPTION OF WORK:

- A. Fall marked trees Column (3) into each stream.
- B. Buck marked existing down logs Column (4), that span both stream banks but are not in the water, so that at least one end falls into the stream.

2. PROJECT LOCATIONS: See Contract Area Map**3. TECHNICAL SPECIFICATIONS:**

- A. After notice described under 5A a fisheries biologist will mark trees and existing down logs within the streams reach. Tracer paint color and method of marking will be described in pre-work meeting required under 5B.
- B. Trees or existing down logs will be placed in a manner that creates new aquatic habitat and does not block fish passage.
- C. Use vegetable based bar oil for chainsaws.

4. OPERATION SCHEDULE: Complete all work within the Oregon Department of Fish and Wildlife in-water work window of July 15 - August 31.**5. COMMENCEMENT, PROSECUTION, AND COMPLETION OF WORK:**

- A. The Contractor shall notify the Forest Service 30 days prior to start of Project.
- B. The Contractor shall be required to (a) commence work under this contract after a pre-work meeting agreed upon by the Contractor and Forest Service, and (b) prosecute the work diligently.
- C. The Contractor shall complete work within 45 days after the 30 day notice and notify the Forest Service in writing upon completion of work for each stream.

PROJECT NUMBER 004, Entrance Management

End Results - return compacted soil on road surfaces to hydrologically stable functionality with appropriate hydrologic capacity to reduce soil erosion and displacement.

PROJECT DESCRIPTION

The Mag Stewardship contract project requires services for the Contractor to close the entrances of **seven (7) roads**. Decompect and revegetate **660 feet** for six (6) roads and stormproof one (1) road.

Entrance Closure Road Number	Tributary Road	Length of road to be stormproofed (miles)	Number of Closure locations
4640011	4640	N/A	1
4640015	4640	N/A	1
4640017	4640	N/A	1
4640027	4640	N/A	1
4645	Last 0.26 miles	N/A	1
4645135	4645	N/A	1
4640013	4640	0.13	1 Single Berm at entrance only- no decompation
Totals:		0.13	7

Road locations, beginning and ending mileposts, road closure locations, waterbar locations and other necessary flagging will be done by Forest Service. Contractor decompaction work only applies to the first **660 feet** of the stated road length starting at the Tributary Road for each entrance management road.

Decompaction and Stormproofing involves moving firewood created from logging operations from landings along the project roads to locations outside the project area, pre-staging revegetation materials, decompacting or storm proofing, constructing drainage structures, outsloping, closing roads by blocking vehicular access, and applying seed, fertilizer and mulch to exposed soils.

PROJECT NUMBER 005, Road Decompaction

End Results - return compacted soil on road surfaces to hydrologically stable functionality with appropriate hydrologic capacity to reduce soil erosion and displacement.

PROJECT DESCRIPTION

This Mag Stewardship contract project requires services for the Contractor to decompact, revegetate, and close one (1) road (1.02 miles), and storm proofing.

ROADS TO BE DECOMPACTED AND CLOSED:

Road Number	Tributary Road	Length (miles)	Estimated number of stream culverts to remove	Number of Closure locations
4640120	4640	1.02	1	1
Totals:		1.02	1	1

Road locations, beginning and ending mileposts, road closure locations, waterbar locations and other necessary flagging will be done by Forest Service.

Decompaction and Stormproofing involves moving firewood created from logging operations from landings along the project roads to locations outside the project area, pre-staging revegetation materials, decompacting and or storm proofing road and landing surfaces, excavating and disposing of culverts, constructing drainage structures, outsloping, closing roads by blocking vehicular access, and applying seed, fertilizer & mulch to exposed soils.

R. 6 E.

R. 7 E.

R. 8 E.

R. 8.5 E.

R. 9 E.

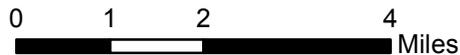
MAG STEWARDSHIP VICINITY MAP

CLACKAMAS RIVER RANGER DISTRICT

MT. HOOD NATIONAL FOREST

Legend

-  Payment Unit
-  Contract Area
-  Mt. Hood National Forest
-  Existing Road



EK, 11/3/14

