

# Oregon Department of Forestry 2600 State St Salem OR 97310 PART III: EXHIBITS EXHIBIT B TIMBER SALE OPERATIONS PLAN (See page 2 for instructions)

Date Received by State:			(5	) State Bra	and Information ( Cor	mplete)
(1) Contract Number:	KL-341-20	21-GF7720-01				
(2) Sale Name:	One - GN	A				
(3) Contract Expiration D	)ate: 10/31	/2023				
(4) Purchaser Name:						
(6) State Representative	s:					
Name		Circle One	Phone	<u>e No.</u>	<u>Cell No.</u>	Alt Phone
		Logging Project	ts All			
		Logging Project	ts All			
		Logging Project	ts All			
		Logging Project	ts All			
(7) Purchaser Represent <u>Name</u>	latives:	<u>Circle One</u>	Phone	ı e No.	Cell No.	Alt Phone
		Logging Projec	ts All			
		Logging Projec	ts All			
		Logging Projec	ts All			
		Logging Projec	ts All			
		Logging Projec				
		Logging Projec				
		Logging Projec				
(8) Name of Subcontracto	ors and Start					
	ractor Name		<u>e</u> <u>Completio</u>	n Date	<u>Cell No.</u>	Alt Phone
Subo	contractor N	lame.	Start Date	J	Cell No.	Alt Phone
FELLING						
YARDING						
(9) Comments:					) L	

<sup>(10)</sup> Operations Map: Attach a copy of timber sale Exhibit A or other suitable map which plainly shows the items listed on the instruction sheet.



# Oregon Department of Forestry 2600 State St Salem OR 97310 PART III: EXHIBITS EXHIBIT B INSTRUCTION SHEET FOR OPERATIONS PLAN

# SUBMIT ONE COPY OF PLAN STATE

Operations shall be limited to the work shown in the plan until a revised plan or supplemental plan is submitted covering additional work. Compliance with this plan is not in lieu of compliance with any federal requirements related to the federal Endangered Species Act. If STATE has prepared a required Forest Practices Act (FPA) "Written Plan" for operations, PURCHASER shall comply with all provisions of the Written Plan.

# Explanation of Item No.(from Page 1)

- (5) All sales require you to use a brand furnished by STATE. If the State brand has not been assigned when the plan is submitted, it will be furnished and assigned later. Complete drawing. If more than one brand is assigned to the sale, complete both drawings.
- (6) The contract requires you to have a designated representative available on the sale area or work location who is authorized to receive in your behalf any notice or instruction given by STATE and to take action in regard to performance under the contract. If logging and project work is widely separated, a representative is required for each.
- (7) The STATE representative will be designated when your plan is approved and is the person who will inspect and issue instructions regarding performance.
- (8) Show names of subcontractors to be used for any or all phases of the operations. If subcontractors are not Known, or are changed later, give notification to the STATE representative prior to commencement of work by subcontractor.
- (9) Show projected dates for commencement of both projects and logging. If projected dates need to be changed at a later date, notification must be given to the STATE representative by supplemental plan or otherwise, prior to commencement of such operations.
- (10) The STATE representative will furnish extra copies of Exhibit A of the contract for your use in preparing the operations map. The map shall use the following legend and show:
  - 1. Landing locations, approximate setting boundaries, and probable sequence of logging the settings. Number the settings in sequence.
  - 2. Locations of spur roads planned for construction, other than required by the timber sale contract. Provide spur road specifications
  - 3. Locations of proposed tractor yarding roads. Show if and how marked on the ground.
  - 4. Locations of temporary stream crossings.
  - 5. List the sequence of performing project work.
  - 6. Location of rock sources attach pit development plans.

Cable Landing, with numbers for sequence.

Tractor Landing with alphabetical sequence.

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1

Spur truck roads.

Approximate setting boundary.

Tractor yarding roads.

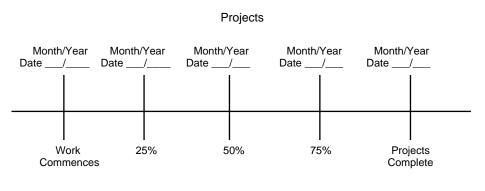
Temporary stream crossings.



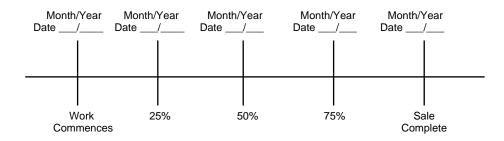
Oregon Department of Forestry 2600 State St Salem OR 97310 PART III: EXHIBITS EXHIBIT B OPERATIONS PLAN

### Completion Timeline

Indicate on the appropriate timeline below, the dates by which you plan to complete the work as required under this contract. The purpose of this section is to develop a plan that will ensure you complete the work as required, and meet the interim completion date(s) and contract expiration date. This plan is incorporated and made a part of the contract. When, in the opinion of STATE, operations are not commencing in a manner that meets the intent of this plan, you may be placed in violation of contract and your operations suspended until an amended plan is submitted and approved by STATE.



Harvest & Other Requirements



The Federal Endangered Species Act (ESA) prohibits a person from taking any federally listed threatened or endangered species. Taking under the federal ESA may include alteration of habitat. STATE's approval of this plan does not certify that PURCHASER's operation under the plan is lawful under the federal ESA. As provided in the timber sale contract, PURCHASER's must comply with all applicable state, federal, and local laws.

PURCHASER's compliance with this plan is not in lieu of compliance with any federal requirements related to the federal Endangered Species Act.

APPROVED;	Date:
	Duic.

SUBMITTED BY: PURCHASER

STATE OF OREGON - DEPARTMENT OF FORESTRY

Title \_

Title



#### Oregon Department of Forestry EXHIBIT C - SAWMILL GRADE (EASTSIDE SCALE) SCALING INSTRUCTIONS - LOCATION APPROVAL - BRAND INFORMATION Klamath-Lake - EOA

- (1) ORIGINAL REGISTRATION 

  Date
  CANCELLATION
  Date

  (2) TO:
  - (Third Party Scaling Organization)
- (3) FROM: Klamath-Lake Phone (541) 883-5681 (State Forestry District)
  - Address: 3200 DELAP RD

KLAMATH FALLS,OR 97601

(4) PURCHASER:

Mailing Address:

Phone Number:

(5)	5) MINIMUM SCALING SPECIFICATIONS									
SF	PECIES	MINIMUM NET VOLUME								
C	onifers	10								
Har	dwoods	10								

\*Apply minimum volume test to whole logs over 20' Eastside

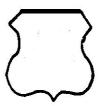
(6) EASTSIDE SCALE:

\*Use Region 6 actual taper rule. Logs over 40'. \*Log lengths will be measured in 1 foot multiples, with 4 inches of minimum trim per segment.

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		TLC	, 11	0
(7) Weight Scale Sample			5	Z
(8) APPROVED SCALING LOCATIONS (as shown on the ODF Approved Locations web-site )	Species	Yard	Truck	Weight

- (9) SALE NAME: One GNA
  - COUNTY: Klamath
- (10) **STATE CONTRACT NUMBER:** KL-341-2021-GF7720-01
- (11) STATE BRAND REGISTRATION NUMBER:
- (12) STATE BRAND INFORMATION:



(14) SPECIAL REQUESTS	(Check applicable)
PEELABLE CULL (all species)	
NO DEDUCTIONS ALLOWED FOR MECHANICAL DAMAGE	
PENCIL BUCK	🗆
ADD-BACK VOLUME - Deductions due	to delay 🗹
OTHER :	
(15) REMARKS:	

Operator's Name (Optional inclusion by District):

(16) SIGNATURES:

Purchaser or Authorized Representative

Date

State Forester Representative

Date

State Forester Representative PRINT NAME

Notify the District within one hour when branding or painting is inadequate for quick identification, the receipts are missing, not correctly or completely filled out, and/or when logs presented for scaling are impossible to scale accurately. General Distribution: TPSO, Approved Scaling Locations and Purchaser.



#### Oregon Department of Forestry EXHIBIT C - SAWMILL GRADE INSTRUCTIONS FOR EXHIBIT C Klamath-Lake - EOA

- (1) Check appropriate box. REVISION NUMBER requires comments. CANCELLATION requires logging and hauling to be complete, recall branding hammers.
- (2) Designate Third Party Scaling Organization (TPSO).

Columbia River Log Scaling & Grading Bureau P.O.Box 7002, Eugene, OR 97401 Phone: (541) 342-6007 Fax: (541) 342-2631 Email: <u>services@crls.com</u>

Mountain Western Log Scaling & Grading Bureau P.O.Box 580, Roseburg, OR 97470 Phone: (541) 673-5571 Fax: (541) 672-6381 Email: <u>info@southernoregonlogscaling.com</u>

Northwest Log Scalers Inc. 6137 NE 63rd St, Vancouver, WA, 98661 Phone: (360) 553-7212 ext. 4 Fax:(360) 553-7213 Email: <u>info@nwlogscalers.com</u> Pacific Rim Log Scaling Bureau, Inc. 8288 28th Court North East, Lacey, WA 98516 Phone: (360) 528-8710 Fax: (360) 528-8718 Email: <u>office@prlsb.com</u>

Yamhill Log Scaling & Grading Bureau P.O.Box 709, Forest Grove, OR 97116 Phone: (503) 359-4474 Fax: (503) 359-4476 Email: <u>yamhillog@frontier.com</u>

- (3) State District office, address and phone.
- (4) Enter Purchaser's business name, address, and phone number as it appears on the Contract.
- (5) Minimum Scaling Specifications. Scaling diameter inches is used for pencil buck minimum diameter.
- (6) Eastside Region 6 actual taper segment scale. Check Yes or No. Special Service Rules on file with TPSO. See: Segment Scaling and Grading of Long Logs - All Species - State Forestry Department Scaling Practices (Northwest Log Rules Eastside). Items with \* follow U.S. Forest Service Eastside rules.
- (7) Weight Scale Sample Check box if sale is to be a Weight Scale Sample. All specifies for handling, scaling and processing will be attached or explained in the Remarks section item (15).
- (8) Show scaling locations only applicable to TPSO. Location name should appear as it does on the ODF Approved Scaling Location web site: https://apps.odf.oregon.gov/Divisions/management/asset\_management/scalinglocation.asp Locations with scaling and processing directions specific to their location should be on a separate form. Species should be identified if not capable of receiving "all" species. Check appropriate box for either: yard, truck scale, or weight. Refer to the web site listed above for the locations approval status.
- (9) Enter sale name and county.
- (10) Enter sale Contract number.
- (11) Enter Oregon's State Brand Registry Number (REQUIRED).
- (12) Show brand assigned to timber sale. One brand only. If more than one brand is assigned to the sale: (1) make a separate form for each brand and (2) on each form, explain and show other brand(s) in the Remarks section item (15).
- (13) Check yes for Paint Required and designate "Orange" for color. Non required removal volumes may sometimes require blue paint.
- (14) Special Requests. These are requests that will be applied to ODF timber sales. All boxes applicable to the timber sales designated in the Exhibit C form must be "marked". If "Other" is indicated, it must contain a description and any necessary comments.
- (15) Use this space to designate any weight scale sample instructions or any other explanations to clarify scaling, processing and/or mailing requirements. If additional scaling locations are approved, revise original or current form showing all (old and new) locations. Check REVISION box at top of form and explain under remarks. Route as indicated.
- (16) Require purchaser to sign and date completed form in addition to State Forester Representative, sign <u>and</u> print name on the form. Signatures not required on revisions.



Salem.

### Oregon Department of Forestry EXHIBIT C - PULP SORT PROCESSING INSTRUCTIONS - LOCATION APPROVAL BRAND INFORMATION

Klamath-Lake, EOA

(1)	ORIGINAL REGISTRATION	(9) SALE NAME: One - GNA
. ,	· · · · · · · · · · · · · · · · · · ·	COUNTY:
<i>(</i> - )	CANCELLATION Date	(10) STATE CONTRACT NUMBER:
(2)	TO:	KL-341-2021-GF7720-01
	(Approved Pulp Processing Facility)	(11) STATE BRAND REGISTRATION NUMBER:
(3)	FROM: Klamath-Lake Phone (541) 883-5681 (State Forestry District)	(12) STATE BRAND INFORMATION:
	Address: 3200 DELAP RD	
	KLAMATH FALLS,OR 97601	
(4)	PURCHASER:	
(5)	Scaling Bureau (TPSO) Processing Weight receipts:	
	Mailing Address:	- (13) REMARKS:
	Phone Number:	
(6)	STATE Definition of Approved Pulp Sort:	Operator's Name (Optional inclusion by District):
	Top portion of the tree (tops).	
	All logs with a diameter (Big End) greater	(14) SIGNATURES:
	than <u>0</u> inches marked with blue paint.	
(7)	PULP FACILITY PROCESSING INSTRUCTIONS:	
	<ul> <li>Pulp loads shall be weighed in lieu of scaling.</li> </ul>	Purchaser or Authorized Representative Date
	• One Ton = 2000 lbs (Short Ton).	
	Pulp loads shall have a yellow Log Load Receipt attached.	State Forester Representative Date
	<ul> <li>Gross weight and truck tare weight for each load shall be machine printed on the weight receipt.</li> </ul>	
	<ul> <li>Weigher shall sign the weight receipt.</li> </ul>	State Forester Representative PRINT NAME
	Weigher shall record the Log Load Receipt number on the weight receipt.	
	<ul> <li>Weigher shall attach the Weight receipt to the Log Load Receipt and mail them weekly to the TPSO processing the Weight receipt.</li> </ul>	
(8)	TPSO PROCESSING INSTRUCTIONS	
	Submit data files daily (or each day of activity).	
	• Mail or deliver scale tickets weekly to ODF Headquarters in	

Notify the District within one hour when branding is inadequate for quick identification, the logs are marked with orange paint, the receipts are missing, not correctly or completely filled out, and/or logs do not meet the specifications of the STATE definition of Approved Pulp Sort.

General Distribution: TPSO, Approved Scaling Locations and Purchaser.



## Oregon Department of Forestry EXHIBIT C - PULP SORT INSTRUCTIONS FOR EXHIBIT C

Klamath-Lake, EOA

- (1) Check appropriate box. REVISION NUMBER requires comments. CANCELLATION requires logging and hauling to be complete, recall branding hammers.
- (2) Approved Pulp Processing Facility. Write in as written in the Approved Log Delivery Location <u>https://apps.odf.oregon.gov/Divisions/management/asset\_management/scalinglocation.asp</u>
- (3) State District office, address and phone.
- (4) Enter Purchaser's business name, address, and phone number as it appears on the Contract.
- (5) Third Party Scaling Organization that will be processing the weight tickets, mailing address, and phone number.

Columbia River Log Scaling & Grading Bureau P.O.Box 7002, Eugene, OR 97401 Phone: (541) 342-6007 Fax: (541) 342-2631 Email: <u>services@crls.com</u>

Mountain Western Log Scaling & Grading Bureau P.O.Box 580, Roseburg, OR 97470 Phone: (541) 673-5571 Fax: (541) 672-6381 Email: <u>info@southernoregonlogscaling.com</u>

Northwest Log Scalers Inc. 6137 NE 63rd St, Vancouver, WA, 98661 Phone: (360) 553-7212 ext. 4 Fax:(360) 553-7213 Email: info@nwlogscalers.com Pacific Rim Log Scaling Bureau, Inc. 8288 28th Court North East, Lacey, WA 98516 Phone: (360) 528-8710 Fax: (360) 528-8718 Email: <u>office@prlsb.com</u>

Yamhill Log Scaling & Grading Bureau P.O.Box 709, Forest Grove, OR 97116 Phone: (503) 359-4474 Fax: (503) 359-4476 Email: <u>vamhillog@frontier.com</u>

- (6) Big end of log is not to exceed 2 inches greater than the minimum removal specifications in the contract. Example: Minimum removal specifications 6 inches and 20 board feet, then the Big end of log not to exceed <u>8</u> inches. When conifer and hardwood removal specifications are different, use the smaller removal diameter to determine this specification.
- (9) Enter sale name and county.
- (10) Enter sale Contract number.
- (11) Enter Oregon's State Brand Registry Number (REQUIRED).
- (12) Show brand assigned to timber sale. One brand only, if more than one brand is assigned to the sale: (1) make a separate form for each brand and (2) on each form, explain and show other brand(s) in the Remarks section Item (13).
- (13) Use this section to list any special instructions or the reason for any revisions in section item (1).
- (14) Require purchaser to sign and date completed form in addition to State Forester Representative, sign and print name on the form. Signatures not required on revisions.

# EXHIBIT D

## IMPROVEMENT

SUBGRADE WIDTH	RUNNING WIDTH	POINT TO POINT	DRAINAGE
15 feet	12 feet	A to B	Shape to Drain
15 feet	12 feet	C to D	Shape to Drain
15 feet	12 feet	E to F	Shape to Drain
15 feet	12 feet	G to H	Shape to Drain
15 feet	12 feet	I to J	Shape to Drain
15 feet	12 feet	K to L	Shape to Drain
15 feet	12 feet	M to N	Shape to Drain
15 feet	12 feet	O to P	Shape to Drain
15 feet	12 feet	Q to R	Shape to Drain
15 feet	12 feet	S to T	Shape to Drain
15 feet	12 feet	U to V	Shape to Drain
15 feet	12 feet	W to X	Shape to Drain
15 feet	12 feet	Y to Z	Shape to Drain
15 feet	12 feet	AA to BB	Shape to Drain
15 feet	12 feet	CC to DD	Shape to Drain
15 feet	12 feet	EE to FF	Shape to Drain

<u>CLEARING</u>. This work shall consist of clearing, removing, and disposing of all trees, Snags, Down Timber, brush, surface objects, and protruding obstructions within the clearing limits.

Where clearing limits have not been marked, the clearing limits shall extend 4 feet back of the top of the cutslope and 4 feet out from the toe of the fill slope, or as directed by STATE. Clearing debris shall not be placed or permitted to remain in or under any road embankment sections. Clearing debris shall not be left lodged against standing trees.

All danger trees, leaners, and Snags outside the clearing limits which could fall and hit the road shall be felled.

For road segments with abundant down trees across the road surface this material will be removed and piled to burn in stand openings adjacent to the right of way prior to grubbing work.

<u>GRUBBING</u>. This work shall consist of the removal or digging out of stumps and protruding objects.

All stumps shall be completely removed within the limits of required grubbing. Stumps overhanging cutslopes shall be removed. Grubbing debris shall not be left lodged against standing trees.

# EXHIBIT D

### **GRUBBING CLASSIFICATION.**

Improvements and reconstructions - 4 feet back from the shoulder of the subgrade or ditch, whichever is widest, or as marked in the field.

<u>CLEARING AND GRUBBING DISPOSAL</u>. Scatter in stable locations through openings in the timber outside of the cleared right-of-way, except areas where end-haul is required. In areas where end-haul is required, clearing and grubbing debris shall be fully contained and hauled to a designated waste area. Clearing and grubbing debris shall be left in a stable location, and not left lodged against standing trees.

EXCAVATION. Excavation and grading shall not be done when weather and/or ground conditions are such that damage will result to existing subgrade or cause excessive erosion.

Unless road plans show otherwise, all roads shall be on a balanced cross section, except when the slope is over 60 percent, the road shall be on full bench for the width specified.

Suitable excavated material shall be used for the formation of fills, shoulders, and drainage structure backfills. Embankment materials shall be free of woody debris, brush, muck, sod, frozen material, and other deleterious materials.

Sidecast includes any road generated excess excavation material which is not essential as part of the road prism, is not compacted, and is below the roadway. Sidecast shall not be placed where it will enter a stream course. Leaving sidecast below the road is only permissible if specifically allowed in "Full Bench and End Haul Requirements" in this Exhibit.

All fills shall be machine compacted according to the "Compaction and Processing Requirements" in this Exhibit.

<u>ROAD WIDTH LIMITATIONS</u>. PURCHASER shall obtain advance written approval from STATE to construct the road to a greater width than specified.

<u>Curve Widening</u>. Widen the inside shoulder of all curves as specified in the plans or as follows: 400 divided by the radius of the curve equals the amount of extra width.

### **DRAINAGE**

<u>Subgrade</u>. Subgrade shall be crowned or outsloped at 4 to 6 percent as shown on the "Forest Road Specifications" table in this Exhibit.

<u>Ditchouts</u>. Construct ditchouts to drain away from subgrade at locations marked in the field or as directed by STATE.

GNA Timber Sale Contract No. KL-341-2021-GF7720-01 One - GNA

### EXHIBIT E

Specifications for Subsoiling Temp Roads, Skid Trails, and Landings in Units Where Prescribed:

Subsoiling may be necessary to loosen compacted soils where detrimental soil conditions exceed 20 percent of the unit area or as deemed necessary by the Soil Scientist, in order to mitigate effects from current and historic harvesting activities and fuels treatments. Subsoiling may be used to decommission temporary road beds, landings, and primary skid trails. Subsoiling may not be appropriate in all instances (e.g., high surface and/or subsurface rock content, areas that are shallow to bedrock, areas where excessive damage to the root system of the residual stand may occur). Subsoiling treatment will be prioritized as follows to achieve the required acreages specified for each unit in Table 1 below: 1) temp roads, unless specified to remain open; 2) primary skid trails; 3) landings (accessible area not encumbered with slash piles), if determined to be appropriate for treatment by STATE. Any unit requiring subsoiling treatment MUST have all temporary roads used by the purchaser treated as part of the required acreage, unless temporary roads have been expressly identified to remain open.

- (1) <u>Recommended Subsoiling Equipment Specifications:</u> Subsoiler design should consider the ability to place slash to meet surface cover requirements specified below. Bulldozer-mounted implements are considered less desirable for this work due to their diminished maneuverability, greater likelihood of root system damage to the residual stand, and inability to place slash in the same pass. A combination of Skidder to transport additional slash, and an excavator to subsoil and place slash were appraised for this project.
- (2) <u>Definition of Subsoiling:</u> Subsoiling is defined as alleviating heavily compacted soils using an implement specifically designed to reduce soil strength, restore intrinsic bulk density (weight per unit volume), macropore space, permeability, infiltration, and tilth of soil layers to depth. Soil shall be decompacted to a minimum of 18 inches, except where the Government agrees to lesser depths. Disturbance of surface organics and remaining vegetation will be minimized. Subsoiling results in soil that is decompacted, slightly lifted, and well-fractured both horizontally and vertically but is NOT plowed, mixed, or displaced. Treated areas shall span the total width of the compacted ground surface. In some instances, where machine capability allows, the full width of the skid trail may not warrant treatment (e.g., decompaction of the two-track surface may be preferable). Subsurface rocks should not be pulled to the surface and large supportive roots should not be severed. The distance between subsoiler shank passes within a compacted area shall typically not exceed 24 inches unless inspection by Soil Scientist determines greater distance between passes is effective at treating compaction. Scarification may also be necessary, in addition to subsoiling, where surface soil is puddled or crusted. Subsoiling shall be kept reasonably current and shall be done during optimal soil conditions unless otherwise agreed. Subsoiling should not occur when

### EXHIBIT E

ground is frozen, unless approved by the soil scientist, to prevent unwanted displacement and mixing. Subsoiling will not occur during excessively dry conditions (when soils are dusty and exhibit

no adherence when squeezed in a ball) to prevent destruction of soil structure and unwanted mixing. Available slash should be placed in conjunction with subsoiling treatment, as specified below. Subsoiled areas must not be re-trafficked with machinery to place slash/surface cover.

- (3) <u>Slash Placement and Effective Ground Cover:</u> To facilitate successful soil rehabilitation, subsoiling must be coupled with organic matter addition and surface soil protection. Where existing litter and fine woody material is lacking, this will be achieved by placing logging slash or woody material available within the unit across the soil surface to achieve a minimum of 50% areal cover (unless otherwise agreed to by STATE). Machines will not make additional passes off skid trails or landings solely to retrieve slash for this purpose. If adequate slash is not present within the cutting unit adjacent to treated skid trails (within machine's reach from skid trail or work area), fine slash (limbs and tops with needles attached) may need to be retrieved from landing piles. Bole wood will NOT be retrieved from landing piles but may be utilized if present within the unit adjacent to treatment areas and is not otherwise required to be retained. No coarse woody debris of Decay Class 3 or greater should be disturbed or moved. Subsoiling and surface cover placement should be completed in one pass, or subsoiling accomplished as the final pass, to prevent compacting or displacing treated area. Subsoiled areas will not be re-trafficked to place slash/surface cover. All logging slash staged within a unit to achieve required effective ground cover must be fully dispersed/spread at the completion of work within that unit.
- (4) Location and quantity of work: Anticipated acreage of subsoiling needed for each treatment unit is listed in the table below. However, on-the-ground work will be planned by consulting with STATE to determine the most appropriate areas to treat to meet soil restoration objectives. Actual acreage requiring treatment in each unit may be more or less than the amounts estimated below. Contractor will track work as it is accomplished and will adhere to the amounts listed in the table below unless a different amount is agreed to with the STATE. Actual acres treated in each unit will be credited toward overall awarded acreage. Skid trails will be credited at 12 feet width by total length of trail treated, and temp roads will be credited at 14 feet width by total length of road treated, unless otherwise agreed to in writing. Segments of skid trail/temp road up to 100 linear feet where excessive rock or other site conditions preclude effective treatment may be credited toward treatment acreage where they fall within a segment that is otherwise acceptably treated. Any slash staged in these intermittent untreated areas should be scattered evenly over the untreated surface. Anticipated units where subsoiling will be needed and estimated acres of treatment in those units are summarized in the table below:

# EXHIBIT E

Unit	NEPA Unit	Unit Acres	Approximate Subsoil Acres
1	242	28	2.0
2	238, 239	17	0.0
3	237	6	0.4
6	234	21	1.5
7	233	20	1.4
_	231. 232,		
8	233	29	2.0
10	240	8	0.0
11	241	37	2.6
13	229	21	1.5
14	227	19	1.3
16	225, 226	41	2.9
	222, 223,		
17	224	42	0.0
18	221	29	2.0
19	203	128	9.0
20	204	70	4.9
21	202, 201	55	3.9
	198, 200,		
22	197	90	6.3
_	198, 199,		
23	197	62	4.3
24	198, 199	3	0.2
26	206	24	1.7
27	207	36	2.5
TOTAL			50.4

GNA Timber sale Contract No. KI-341-2021-GF7720-01 ONE-GNA

# EXHIBIT F

28 19 6 23 22	Unit 242 238 237	<b>Area</b> 110 TPA	Remove all merchantable lodgepole pine.	<b>Opening</b> n/a				
19 6 23	238	110 TPA	Remove all merchantable lodgepole pine.	,				
6 23			Submerch-20x20					
6 23			Submerch-20x20					
23	237	N/A	Remove all lodgepole pine with 30' of a ponderosa pine 5" DBH or greater. Remove all unhealthy lodgepole pine. (ITM)	n/a				
		N/A	Remove all lodgepole pine. (ITM)	n/a				
22	234	60 BA	Remove all lodgepole pine <21" DBH outside of clumps.	2.3 acres				
	233	60 BA	Remove all lodgepole. Thin ponderosa pine from below to 60 BA. Submerch- Remove all within 30' of a sawlog sized leave tree.	n/a				
32	231	50 BA	Remove all lodgepole pine <21" DBH outside of clumps.	<u>1.6 acres</u>				
8	240	N/A	Remove unhealthy trees. Thin remainder from below to 20x20. (ITM)	n/a				
37	241	109 TPA	Thin from below to 20x20	n/a				
23	229	50 BA	Remove all lodgepole pine <21" DBH outside of clumps.	2.3 acres				
21	227	60 BA	Remove all lodgepole pine <21" DBH outside of clumps.	2.1 acres				
45	225	60 BA	Remove all white fir and lodgepole pine <21" DBH outside of clumps.	n/a				
47	223	60 BA	Remove all white fir and lodgepole pine <21" DBH outside of clumps.	n/a				
29	221	50 BA	Remove all lodgepole pine <21" DBH outside of clumps.	1.5 acres				
128	203	60 BA	Remove all lodgepole pine.	n/a				
70	204	60 BA	Remove all lodgepole pine.	n/a				
55	202	109 TPA	Remove all lodgepole pine.	n/a				
90	198	60 BA	Remove all lodgepole pine	n/a				
62	199	60 BA	Remove all lodgepole pine < 21" within 30' of a saw or non-saw sized ponderosa pine leave tree.	n/a				
3	199		Remove all lodgepole pine < 21" DBH	n/a				
24	206	60 BA	Remove all white fir within 20' of ponderosa pine or sugar pine saw or non- saw leave tree. (ITM)	n/a				
20	207	60 BA	LSR - Cut lodgepole pine first, otherwise no species preference.	<u>3.6</u>				
	206		24 60 BA	24     60 BA     Remove all white fir within 20' of ponderosa pine or sugar pine saw or non- saw leave tree. (ITM)				

# EXHIBIT F

	Sale Unit																				
Protection Measurements	1	2	3	6	7	8	10	11	13	14	16	17	18	19	20	21	22	23	24	26	27
21" Limit	x	x	x	x	X	X	X	x	x	x	x	x	x	x			x	x	X	X	x
Soil Restoration	x		x	x	x	x		X	X	x	x		x	x	x	x	x	x	X	X	X
Snowmobile Restriction		X	X	X	X	X	X	x	x	X	X	X								X	X
Fawning & Calving	x																x	x	x		
Near Campground	x																				
Heritage Concern	x																x				
Spotted Owl Restriction		x												x	X	x				x	X
No Firewood Gathering		x												x	x	x	X	X	x	X	X
OHV Trail		x	x					X	X	X	x	x	x								
Bats							X	X	X			x		x			x	x	X		
Connectivity Corridor												X									
Steep Slopes												x									
20% Retention														x	x	x				X	X
Goshawk														x	x	x	x				
Great Grey Owl																	x	x	x		
Draws																	X				
Spotted Frog Restriction																			x		
Riparian																			X		