

Cutting Unit Boundary Designation Table

Cutting Unit(s)	Paint Color	Designation
All	ORANGE	<p>Cutting unit boundary trees are designated by two horizontal bands near eye level and stump mark at the lowest point near ground. Unit number is painted on the tree face INTO the cutting unit.</p> <p>Note that nearby cutting cutting units of other timber sales are nearby and/or adjacent to several units of the Lo-elly Timber Sale, and also have respective unit numbers facing INTO the units of the other sales.</p>

Leave Tree Marking Table

Cutting Unit	Paint Color
All	ORANGE band or slash on opposite sides of the bole at eye level, with stump mark.

Restricted Road List

Road Number	Road Name	Termini		Map	Description of Restrictions
		From	To	Legend	
40008	Beaver Creek Road	HWY 21	40158	R	Hauling is restricted to week days only, from 12:00 am Monday morning to 11:59 PM on Friday night. No hauling on federal holidays from 12:00 am of the holiday to 11:59 PM on that day.
40158	Boy Scout Camp Road	40008	Unit 6	R	Hauling is restricted to week days only, from 12:00 am Monday morning to 11:59 PM on Friday night. No hauling on federal holidays from 12:00 am of the holiday to 11:59 PM on that day.
40158	Boy Scout Camp Road	Unit 5	40203	R	Hauling is restricted to week days only, from 12:00 am Monday morning to 11:59 PM on Friday night. No hauling on federal holidays from 12:00 am of the holiday to 11:59 PM on that day.
40203	Cape Horn / Marsh Creek Road	40158	40008	R	Hauling is restricted to week days only, from 12:00 am Monday morning to 11:59 PM on Friday night. No hauling on federal holidays from 12:00 am of the holiday to 11:59 PM on that day.
40158	Boy Scout Camp Road (incl. portion on private property)	Unit 5	Camp Bradley Scout Camp	X	Hauling is prohibited
40158	Boy Scout Camp Road (incl. portion on private property)	Unit 6	Camp Bradley Scout Camp	X	Hauling is prohibited
40203	Cape Horn Road	Juct. with 40158	South to jct. with ID-21	X	Hauling is prohibited

Contract Road Maintenance Requirements Summary

Road	Termini		Miles	Applicable Pre-haul Road Maintenance Specifications								
	From	To		T-800	T-801	T-802	T-803	T-804	T-805	T-807	T-808	
40008	HWY 21	40158	2.0	P	P	P	P	P	P	P	P	
40158	40008	Unit 6	0.4	P	P	P	P	P	P	P	P	
40158	Unit 5	40203	0.46	P	P	P	P	P	P	P	P	
40203	40158	40008	1.2	P	P	P	P	P	P	P	P	

P = Purchaser Performance Item, D = Deposit to Forest Service, D3 = Deposit to Third Party

Road	Termini		Miles	Applicable During-Haul Road Maintenance Specifications								
	From	To		T-800	T-801	T-802	T-803	T-804	T-805	T-807	T-808	
40008	HWY 21	40158	2.0	P	P	P	P	P	P	P	P	
40158	40008	Unit 6	0.4	P	P	P	P	P	P	P	P	
40158	Unit 5	40203	0.46	P	P	P	P	P	P	P	P	
40203	40158	40008	1.2	P	P	P	P	P	P	P	P	

P = Purchaser Performance Item, D = Deposit to Forest Service, D3 = Deposit to Third Party

Road	Termini		Miles	Applicable Post-Haul Road Maintenance Specifications								
	From	To		T-800	T-801	T-802	T-803	T-804	T-805	T-807	T-808	
40008	HWY 21	40158	2.0	P	P	P	P	P	P	P	P	
40158	40008	Unit 6	0.4	P	P	P	P	P	P	P	P	
40158	Unit 5	40203	0.46	P	P	P	P	P	P	P	P	
40203	40158	40008	1.2	P	P	P	P	P	P	P	P	

P = Purchaser Performance Item, D = Deposit to Forest Service, D3 = Deposit to Third Party

Road Maintenance T-Specifications

for

Timber Sale Contracts

To be used with Timber Sale Contract Form 2400-6T, CT5.31#

No.	Specification Title
T-800	Definitions
T-801	Slide and Slump Repair
T-802	Ditch Cleaning
T-803	Surface Blading
T-804	Surfacing Repair
T-805	Drainage Structures
T-807	Roadway Vegetation
T-808	Miscellaneous Structures

SPECIFICATION T-800 DEFINITIONS

Wherever the following terms or pronouns are used in Specifications T-801 through T-811, the intent and meaning shall be interpreted as follows:

800-1.1 - Agreement. Maintenance projects require a mutually acceptable method to resolve the problems which arise when incompatible situations arise between drawings and specifications and actual conditions on the ground to allow orderly and satisfactory progress of the maintenance.

These specifications have been developed in anticipation of those problem areas and have provided that such changes will be by Agreement.

It is intended that drawings and specifications will govern unless "on-the-ground" conditions warrant otherwise, when specifications call for "Agreement", "agreed", or "approval" such Agreement or approval shall be promptly confirmed in writing.

800-1.2 - Annual Road Maintenance Plan. A plan prepared by various users of one or several roads. The plan is an Agreement on maintenance responsibilities to be performed for the coming year.

800-1.3 - Base Course. Material used to reinforce Subgrade or, as shown on drawings, placed on Subgrade to distribute wheel loads.

800-1.4 - Berm. Curb or dike constructed to prevent Roadway runoff water from discharging onto embankment slope.

800-1.5 - Borrow. Select Material taken from designated borrow sites.

800-1.6 - Crown, Inslope, and Outslope. The cross slope of the Traveled Way to aid in drainage and traffic maneuverability.

800-1.7 - Culverts. A conduit or passageway under a road, trail, or other obstruction. A culvert differs from a bridge in that it is usually entirely below the elevation of the Traveled Way.

800-1.8 - Drainage Dip. A dip in the Traveled Way which intercepts surface runoff and diverts the water off the Traveled Way. A Drainage Dip does not block the movement of traffic.

800-1.9 - Drainage Structures. Manufactured structures which control the runoff of water from the Roadway including Inslope, overside drains, aprons, flumes, downdrains, downpipes, and the like.

800-1.10 - Dust Abatement Plan. A table which lists the road, dust palliative, application rates, and estimated number of subsequent applications.

800-1.11 - Lead-off Ditches. A ditch used to transmit water from a Drainage Structure or Drainage Dip outlet to the natural drainage area.

800-1.12 - Material. Any substances specified for use in the performance of the work.

800-1.13 - Prehaul Maintenance. Road maintenance work which must be accomplished to maintain the roads to a satisfactory condition commensurate with the Purchaser's use, provided Purchaser's Operations do not damage improvements under BT6.22 or National Forest resources and hauling can be done safely. This work will be shown in the Annual Road Maintenance Plan as provided in CT5.31#.

Prehaul Maintenance work the Purchaser elects to perform will be in compliance with the Road Maintenance T-Specifications.

800-1.14 - Roadbed. The portion of a road between the intersection of Subgrade and sideslopes, excluding that portion of the ditch below Subgrade.

800-1.15 - Road Maintenance Plan. A table which shows applicable road maintenance specifications to be performed by Purchaser on specific roads.

800-1.16 - Roadside. A general term denoting the area adjoining the outer edge of the Roadway.

800-1.17 - Roadway. The portion of a road within the limits of excavation and embankment.

800-1.18 - Shoulder. That portion of Roadway contiguous with Traveled Way for accommodation of stopped vehicles, for emergency use, and lateral support of base and Surface Course, if any.

800-1.19 - Slide. A concentrated deposit of Materials from above or on backslope extending onto the Traveled Way or Shoulders, whether caused by mass land movements or accumulated ravelling.

800-1.20 - Slough. Material eroded from the backslope which partially or completely blocks the ditch, but does not encroach on the Traveled Way so as to block passage of traffic.

800-1.21 - Slump. A localized portion of the Roadbed which has slipped or otherwise become lower than that of the adjacent Roadbed and constitutes a hazard to traffic.

800-1.22 - Special Project Specifications. Specifications which detail conditions and requirements peculiar to the individual project.

800-1.23 - Subgrade. Top surface of Roadbed upon which Base Course or Surface Course is constructed. For roads without Base Course or Surface Course, that portion of Roadbed prepared as the finished wearing surface.

800-1.24 - Surface Course. The Material placed on Base Course or Subgrade primarily to resist abrasion and the effects of climate. Surface Course may be referred to as surfacing.

800-1.25 - Surface Treatment Plan. A table which lists the roads and surface treatments to be applied.

800-1.26 - Traveled Way. That portion of Roadway, excluding Shoulders, used for the movement of vehicles.

800-1.27 - Turnouts. That portion of the Traveled Way constructed as additional width on single lane roads to allow for safe passing of vehicles.

800-1.28 - Water Source. A place designated on the Road Maintenance Map for acquiring water for road maintenance purposes.

800-1.29 - Waterbar. A dip in the Roadbed which intercepts surface runoff and diverts the water off the Roadway. A Waterbar is not designed to be traversable by logging trucks.

SPECIFICATION T-801 SLIDE AND SLUMP REPAIR

DESCRIPTION

1.1 Slide removal is the removal from Roadway and disposal of any Material, such as soil, rock, and vegetation that cannot be routinely handled by a motorgrader during Ditch Cleaning, T-802, and Surface Blading, T-803 Operations.

Slump repair is the filling of depressions or washouts in Roadway which cannot be routinely filled by a motor grader during Surface Blading, T-803 Operations.

Slide removal and Slump repair includes excavation, loading, hauling, placing, and compacting of waste or replacement Material and the development of disposal or borrow areas.

REQUIREMENTS

3.1 Slide Material, including soil, rock and vegetative matter which encroaches into the Roadway, shall be removed. The slope which generated the Slide Material shall be reshaped during the removal of the Slide Material with the excavation and loading equipment. Slide Material deposited on the fillslope and below the Traveled Way will not be removed unless needed for slope stability or to protect adjacent resources.

Surface and Base Courses shall not be excavated during Slide removal operations.

Slide Material which cannot be used for other beneficial purposes shall be disposed of at disposal sites shown on Sale Area Map. Material placed in disposal sites will not require compaction unless compaction is shown on Road Maintenance Plan.

3.2 When filling Slumps or washouts, Material shall be moved from agreed locations or borrow sites, placed in layers, and compacted by operating the hauling and spreading equipment uniformly over the full width of each layer.

Existing aggregate surfacing shall be salvaged when practical and relaid after depressions have been filled.

Damaged aggregate base, aggregate surfacing, and bituminous pavement shall be repaired under Specification T-804 Surfacing Repair.

The repaired areas of the Slump shall conform to the cross-section which existed prior to the Slump and shall blend with the adjacent undisturbed Traveled Way.

3.3 The maximum volume of Purchaser responsibility for Slide and Slump repair is shown on Road Maintenance Plan. Greater volumes of Slide and Slump repair not qualifying as Catastrophic Damage are Forest Service responsibility.

SPECIFICATION T-802 DITCH CLEANING

DESCRIPTION

1.1 Ditch cleaning is removing and disposing of all Slough Material from Roadway ditches to provide a free-draining waterway.

REQUIREMENTS

3.1 Ditch cleaning shall be repeated during the year as often as necessary to facilitate proper drainage.

3.2 All Slough Material or other debris which might obstruct water flow in the Roadway ditch shall be removed. Material removed from the ditch, if suitable, may be blended into existing native road surface or Shoulder or placed in designated Berms in conjunction with Surface Blading T-803 operations.

Material removed from ditches that is not by Agreement blended into existing roads or placed in Berms shall be loaded and hauled to the disposal site designated by the Forest Service.

3.3 Roadway backslope or Berm shall not be undercut.

SPECIFICATION T-803 SURFACE BLADING

DESCRIPTION

1.1 Surface blading is keeping a native or aggregate Roadbed in a condition to facilitate traffic and provide proper drainage. It includes maintaining the Crown, Inslope or Outslope of the Traveled Way, Turnouts, and Shoulder; repairing Berms; blending approach road intersections; and cleaning bridge decks, Drainage Dips, and Lead-off Ditches.

REQUIREMENTS

3.1 Surface blading shall be performed before, during, and after Purchaser's use as often as necessary to facilitate traffic and proper drainage.

3.2 The surface blading shall preserve the existing cross-section. Surface irregularities shall be eliminated and the surface left in a free-draining state and to a smoothness needed to facilitate traffic. Surface Material which has been displaced to the Shoulders or Turnouts shall be returned to the Traveled Way. The blading operation shall be conducted to prevent the loss of surface Material and to provide for a thorough mixing of the Material being worked.

3.3 Water, taken from Water Sources designated on Sale Area Map, shall be applied during blading if sufficient moisture is not present to cut, mix, or compact the surface Material.

3.4 On native surfaced roads, Material generated from backslope Sloughing, and ditch cleaning may be blended with the surface Material being worked. On aggregate surfaced roads this Material shall not be blended with Surface or Base Course Material unless agreed otherwise.

3.5 Roadway backslopes or Berms shall not be undercut, nor shall new Berms be established unless agreed otherwise.

Berms shall be repaired by placing Material, as needed to restore the Berm, to reasonably blend with existing line, grade, and cross-section.

3.6 Drainage Dips and Lead-off Ditches shall be cleaned and maintained to reasonably blend with existing line, grade, and cross-section.

3.7 Intersecting roads shall be bladed for a distance of 50 feet to assure proper blending of the two riding surfaces.

3.8 Rocks or other Material remaining on the Traveled Way after the final pass that are larger than 4 inches in diameter or are larger than the maximum size of imported surfacing shall be removed from the Traveled Way. Unless otherwise designated by the Forest Service, the oversized Material shall be disposed of by sidecasting. Sidecasting into streams, lakes, or water courses will not be permitted.

3.9 Material resulting from work under this specification shall not remain on or in structures, such as Culverts, overside drains, cattleguards, ditches, Drainage Dips, and the like.

3.10 Material resulting from work under this specification, plus any accumulated debris, shall be removed from bridge decks and the deck drains opened.

SPECIFICATION T-804 SURFACING REPAIR

DESCRIPTION

1.1 Surfacing repair is repairing potholes or small soft areas in the Traveled Way. It includes area preparation and furnishing and placing all necessary Materials, and other work necessary to repair the surface.

MATERIALS

2.1 Material used in the repair of soft areas on aggregate or native surfaced roads may be acquired from approved commercial sources, designated Forest Service Borrow areas, or Borrow sources agreed to. The quality and quantity of the imported Material used in the repair will be limited to that needed to provide a stable Traveled Way for hauling and to minimize damage to the road and adjacent resources. The quantity of imported surface repair Material used in the appraisal estimate will be shown on Road Maintenance Plan. However, the magnitude of the work may vary depending on Purchaser's hauling schedule and ground conditions.

2.2 Material used in the repair of bituminous pavements may be acquired from local commercial sources. If a mixing table is required, the location shall be approved by the Forest Service. The bituminous mixture to be used by the Purchaser shall be approved by the Forest Service. The Purchaser's share of the quantity of bituminous mixture used in the appraisal estimate will be shown on Road Maintenance Plan. However, Purchaser's share of the work may vary depending on Purchaser's hauling schedule, ground conditions, other traffic, etc.

REQUIREMENTS

3.1 Work under this specification shall be performed in a timely manner to reduce further deterioration of the Traveled Way.

3.2 Soft spots on aggregate or native surfaces shall be repaired by placing the imported Surface Course on top of the soft spot. Layers of imported Material shall be placed until a firm surface is produced.

3.3 Bituminous Pavement Repairs. The areas to receive bituminous pavement repairs will be marked on the road surface by the Forest Service just prior to Purchaser performing the work.

3.4 Potholes (deep patch). Surface Course and Base Course Materials shall be excavated to a depth necessary to reach firm, suitable Material. The minimum depth of excavation shall be 2 inches and the maximum depth of excavation shall be to the top of the Subgrade.

The edges of the prepared hole shall be extended to form a vertical face in unfractured asphalt surfacing. The prepared hole shall generally be circular or rectangular in shape, dry, and cleaned of all loose Material.

Prepared potholes shall be patched or barricaded immediately.

The faces of the prepared hole shall be tacked with a slow-setting emulsified asphalt.

The bituminous mixture shall be placed in layers not exceeding a compacted depth of 2 inches. Each layer shall be compacted thoroughly with hand or mechanical tampers or rollers. Compaction shall not be done with equipment wheels.

Upon completion, the compacted patch in the pothole shall be flush, with a tolerance or approximately $\frac{1}{4}$ inch to $\frac{1}{2}$ inch above the level of the adjacent pavement.

3.5 Skin Patches. Bituminous mixture shall be distributed uniformly with feathered edges in layers not to exceed 2 inches compacted depth. When multiple layers are ordered, joints shall be offset at least 6 inches between layers.

Each layer shall be compacted by two passes with a 7-10 ton steel roller or comparable vibratory roller.

3.6 Asphalt Berm. Damaged segments of Berm shall be removed and the exposed ends beveled at approximately 45 degrees from vertical. The Berm foundation shall be cleaned and patched as necessary. The foundation and joining surfaces shall be coated with a slow-setting emulsified asphalt. Asphalt mix shall be placed and compacted to conform with the shape and alignment of the undamaged segment.

3.7 Disposal. All Materials removed from potholes, patches, and Berms shall be disposed of at disposal sites designated by the Forest Service.

SPECIFICATION T-805 DRAINAGE STRUCTURES

DESCRIPTION

1.1 This work consists of maintaining Drainage Structures and related items such as inlet and outlet channels, existing riprap, trash racks, and drop inlets.

MATERIALS

2.1 All Materials used in the maintenance of Drainage Structures shall conform by type and specification to the Material in the structure being maintained.

REQUIREMENTS

3.1 Drainage Structures and related items shall be cleared of all foreign Material which has been deposited above the bottom of the structure and all vegetative growth which interferes with the flow pattern. Material removed that cannot be incorporated into maintenance work shall be hauled to a disposal site designated by the Forest Service.

3.2 If outlet or inlet riprap was installed by Purchaser as a construction item or existed prior to Purchaser's haul, it shall be maintained in good condition including the replacement of riprap if necessary to previous line, grade, and cross-section.

3.3 Perform maintenance to insure the proper functioning of the head walls, aprons, inlet assemblies, overside drains, riprap, trash racks, and other facilities related to the Drainage Structure.

SPECIFICATION T-807 ROADWAY VEGETATION

DESCRIPTION

1.1 This work includes removal of brush and trees from within the Roadway limits.

REQUIREMENTS

3.1 Vegetative matter within the Roadway which impedes vehicular travel or interferes with road maintenance operations, such as surface blading and ditch and culvert cleaning shall be removed. Downed timber meeting utilization standards shall be cut in appropriate lengths and decked along the Roadside in locations where the Traveled Way or sight distances will not be impaired.

3.2 Vegetative matter removed from the Roadway shall be treated by the specified method and as required by CT6.7#.

SPECIFICATION T-808 MISCELLANEOUS STRUCTURES

DESCRIPTION

1.1 Maintenance of miscellaneous structures includes cattleguards, gates, and other similar structures that have been previously installed to insure safe and efficient operation of the road.

MATERIALS

2.1 Any Materials needed in the maintenance of miscellaneous structures shall be similar in type and quality to the Material in the structure being maintained.

REQUIREMENTS

3.1 Cattleguards. Loose rails shall be welded or bolted back in place.

Excess Material carried into the cattleguard shall be removed when drainage is blocked or when it reaches 6 inches from the bottom of the cattleguard frame. Drainage into and from the cattleguard shall be kept open.

3.2 Gates. Gates shall be kept in good repair and made to swing easily. Hinges or latches shall be repaired if not operating properly.

Brush and debris shall be removed from within the swinging radius.

CT5.34# - OBLITERATION OF TEMPORARY ROADS, SKID TRAILS AND LANDINGS. (3/02)

Cutting Unit(s)	Type of Facility	Closure Method
All	Temporary Road	Obliterate by removing berms, recontouring to slope and redistribute 4-10 tons per acre of slash back across temporary road clearing. Slash will be evenly distributed and not to exceed 24 inches in height. Closure method will discourage unauthorized ATV use.
All	Landings	Obliterate by removing berms and redistribute 4-10 tons per acre of slash back across skid trail clearing. Slash will be evenly distributed and not to exceed 24 inches in height. Closure method will discourage unauthorized ATV use.
All	Skid Trails	Obliterate by removing berms, recontouring to slope and redistribute 4-10 tons per acre of slash back across skid trail clearing. Slash will be evenly distributed and not to exceed 24 inches in height. Closure method will discourage unauthorized ATV use.

Sale Operation Restriction Schedule

Payment Unit / Cutting Unit	Restriction	Purpose
All	Sale operations are prohibited during the period from 12:00 AM March 15, through 11:59 PM July 14.	Wildlife protection, road surface protection

Description of Cutting Unit(s)	Special Objectives
All	Trees shall be felled, insofar as safety permits, to angle in the direction of skidding.

Description of Unit(s)	Special Objectives
All	To reduce ground disturbance, logs shall be tractor-skidded with the leading end free of the ground.

Purchaser's Slash Responsibility Table

Description of Unit(s)	Type of Slash Disposal
All	#5 - Landing Cleanup #10 - Clean system roads #13 - Limb and Top Removal

5. Landing Cleanup

A landing is considered a place where any logs or products are gathered for loading. Logs not meeting utilization standards accumulated at landings shall be (decked) or (returned to the cutting unit) as agreed to in writing by the Forest Service. All slash accumulated at landings shall be piled, unless it is agreed in writing that slash can be thrown back into an area that is planned to be broadcast burned.

Piles shall be reasonably compact and free of soil to facilitate burning. Piles will not be less than 4 feet in height. Piles shall be of a size and location which will not impair road use or result in damage to residual timber. Piles shall be located at least 10 feet from residual timber. Piles shall not be more than 20 feet long.

Landing debris along temporary roads within the cutting units may be piled in conjunction with temporary road construction slash. Landing piles shall be placed along the lower side of the road.

All objects which extend more than 4 feet in any direction from the windrow or pile profile will be cut off and returned to the windrow or pile.

10. Clean System Roads

Purchaser shall dispose of all logging slash 1 inch large end diameter and 3 feet in length which is created within the clearing limits of system roads. Slash shall be piled for later burning within the right-of-way clearing unless an alternate method of slash disposal is agreed to in writing. Piles shall be reasonably compact and free of soil to facilitate burning. Piles shall be of a size and location which will not impair road use. Piles shall be a minimum of twice their diameter from any residual timber.

(Piles can be made by machine or hand. Portions of the specifications for machine or hand piles can be used as needed under this specification).

13. Limb and Top Removal

Purchaser shall leave tops and limbs of felled trees attached to Included Timber and yard them to landings within the entire cutting unit as shown on the Sale Area and Slash Disposal Map. Tops and limbs which are lost on the way to the landing site due to normal felling, skidding and/or yarding operations are not required to be yarded.

CT6.8# - MEASURING. (9/03)

Payment Unit/Cutting Unit	Cruising Method
All	Fixed-radius plot sampling - 1/50 th acre plots

Local Volume Table Report - GrossCubicPrimary

PAGE

CRUISE#: 001 SALE#: 13601

SALENAME: Lo-elly Timber Sale

RUN DATE & TIME: 03-13-2013 11:17:26

Species	LP
L/D	D/L
DBH	
2	0.00
3	0.00
4	0.64
5	1.70
6	3.13
7	4.90
8	7.03
9	9.51
10	12.34
11	15.53
12	19.07
13	22.96
14	27.20
15	31.80
16	36.75
17	42.05
18	47.71

Local Volume Table Report - GrossCubicPrimary - Regression Results

PAGE

CRUISE#: 001 SALE#: 13601

SALENAME: Lo-elly Timber Sale

RUN DATE & TIME: 03-13-2013 11:17:26

Species	LP	Product	01/03/06/07	Live/Dead	D/L
Model	Number	RSquare	MS Error	Min	Max
Quadratic	274	0.9131	3.79297	3.6	17.7

Equation: $-0.112944 + -0.518530*DBH + 0.176407*DBH*DBH$

PLEASE NOTE:

Estimated cubic and board-foot volume is provided in the following pages, and reported by cutting unit, product, species, live/dead. Although this timber sale was cruised according to standards and procedures required by the Forest Service, the possible error included in any statistical sample makes the following values ESTIMATES ONLY, and may differ from actual volume by as much as 50% or more. The Forest Service encourages potential bidders to make their own inspection and estimates prior to bid submission. For maps, information, or forms pertaining to these sales, please contact David Morris (208-879-4127), Eric Pfeifer (208-879-4155) or Doug Heyrend (208-557-5807).

The timber sale is a multi-product sale which includes sawtimber and non-saw products. Non-saw products include:

- Live and dead pole-trees (trees 4.0-4.9 inches in stem diameter at breast height ((DBH))
- Live and dead post-trees (5.0-6.9 inches DBH)
- The topwood of live sawtimber trees (topwood stem above sawlogs from 6.0 inches in diameter inside bark to 3.0 inches diameter inside bark)
- Fuelwood products (dead trees 7.0 inches DBH and larger)

The product codes for each of the products listed above and in the following pages are as follows:

Sawtimber.....	01
Sawtimber topwood.....	02
Pole-sized trees.....	03
Post-sized trees.....	06
Fuelwood products.....	07

CRUISE NO.	CUTTING UNIT NO.	CUTTING UNIT ACRES	UNIT DESCRIPTION	LOG METHOD	PAYMENT UNIT NO.
001	2	30.10	LoElly2	420	2
001	3	11.65	LoElly3	420	2
001	4a	13.26	LoElly4a	420	3
001	4b	46.11	LoElly4b	420	3
001	5	62.36	LoElly5	420	1
001	6	17.44	LoElly6	420	3

FOR THE SALE

FOR CUT TREES ONLY

CRUISE#: 001 SALE#: 13601

SALENAME: Lo-elly Timber Sale

RUN DATE & TIME: 03-29-2013 08:11:47

VERSION: 10.12.2012

VOLUME LIBRARY VERSION: 10.12.2012

C	U	P	S	***** LIVE *****			***** DEAD *****			***** OTHER *****	***** TOTAL *****				
T	R	P	O	EST.	GROSS	NET	EST.	GROSS	NET	EST.	GROSS	NET			
U	D	C	E	NO OF	CUFT	CUFT	NO OF	CUFT	CUFT	NO OF	CUFT	CUFT			
I	C	E	S	TREES			TREES			TREES					
2	01	LP		1268	10693	7932	0	0	0	0	0	0	1268	10693	7932
	01	TOTAL		1268	10693	7932	0	0	0	0	0	0	1268	10693	7932
	02	LP		0	4260	4310	0	0	0	0	0	0	0	4260	4310
	02	TOTAL		0	4260	4310	0	0	0	0	0	0	0	4260	4310
	03	LP		1858	2678	2434	0	0	0	0	0	0	1858	2678	2434
	03	TOTAL		1858	2678	2434	0	0	0	0	0	0	1858	2678	2434
	06	LP		2153	7436	6708	0	0	0	0	0	0	2153	7436	6708
	06	TOTAL		2153	7436	6708	0	0	0	0	0	0	2153	7436	6708
	07	LP		0	0	0	2802	35336	31808	0	0	0	2802	35336	31808
	07	TOTAL		0	0	0	2802	35336	31808	0	0	0	2802	35336	31808
CUTTING UNIT															
2	TOTAL			5280	25067	21383	2802	35336	31808	0	0	0	8082	60403	53191
3	01	LP		491	4139	3070	0	0	0	0	0	0	491	4139	3070
	01	TOTAL		491	4139	3070	0	0	0	0	0	0	491	4139	3070
	02	LP		0	1649	1668	0	0	0	0	0	0	0	1649	1668
	02	TOTAL		0	1649	1668	0	0	0	0	0	0	0	1649	1668
	03	LP		719	1037	942	0	0	0	0	0	0	719	1037	942
	03	TOTAL		719	1037	942	0	0	0	0	0	0	719	1037	942

FOR THE SALE

FOR CUT TREES ONLY

CRUISE#: 001 SALE#: 13601

SALENAME: Lo-elly Timber Sale

RUN DATE & TIME: 03-29-2013 08:11:47

VERSION: 10.12.2012

VOLUME LIBRARY VERSION: 10.12.2012

C	U	P	S	***** LIVE *****			***** DEAD *****			***** OTHER *****	***** TOTAL *****		
T	R	P	O	EST.	GROSS	NET	EST.	GROSS	NET	EST.	GROSS	NET	
U	D	C	E	NO OF	CUFT	CUFT	NO OF	CUFT	CUFT	NO OF	CUFT	CUFT	
N	U	I	S	TREES			TREES			TREES			
I	C	E											
T	T	S											
06	LP			833	2878	2596	0	0	0	0	833	2878	2596
06	TOTAL			833	2878	2596	0	0	0	0	833	2878	2596
07	LP			0	0	0	1085	13676	12311	0	1085	13676	12311
07	TOTAL			0	0	0	1085	13676	12311	0	1085	13676	12311
CUTTING UNIT													
3	TOTAL			2044	9702	8276	1085	13676	12311	0	3128	23379	20587
4a	01 LP			559	4709	3493	0	0	0	0	559	4709	3493
	01 TOTAL			559	4709	3493	0	0	0	0	559	4709	3493
	02 LP			0	1876	1898	0	0	0	0	0	1876	1898
	02 TOTAL			0	1876	1898	0	0	0	0	0	1876	1898
	03 LP			818	1179	1072	0	0	0	0	818	1179	1072
	03 TOTAL			818	1179	1072	0	0	0	0	818	1179	1072
	06 LP			948	3275	2954	0	0	0	0	948	3275	2954
	06 TOTAL			948	3275	2954	0	0	0	0	948	3275	2954
	07 LP			0	0	0	1234	15561	14007	0	1234	15561	14007
	07 TOTAL			0	0	0	1234	15561	14007	0	1234	15561	14007
CUTTING UNIT													
4a	TOTAL			2325	11039	9416	1234	15561	14007	0	3559	26599	23423

FOR THE SALE

FOR CUT TREES ONLY

CRUISE#: 001 SALE#: 13601

SALENAME: Lo-elly Timber Sale

RUN DATE & TIME: 03-29-2013 08:11:47

VERSION: 10.12.2012

VOLUME LIBRARY VERSION: 10.12.2012

CUTTING UNIT		LIVE			DEAD			OTHER			TOTAL		
U P S	T R P	EST.	GROSS	NET									
NO OF	NO OF	NO OF	NO OF	NO OF	NO OF	NO OF	NO OF	NO OF	NO OF	NO OF	NO OF	NO OF	NO OF
TREES	TREES	TREES	TREES	TREES	TREES	TREES	TREES	TREES	TREES	TREES	TREES	TREES	TREES
4b	01 LP	1943	16381	12151	0	0	0	0	0	0	1943	16381	12151
	01 TOTAL	1943	16381	12151	0	0	0	0	0	0	1943	16381	12151
	02 LP	0	6525	6602	0	0	0	0	0	0	0	6525	6602
	02 TOTAL	0	6525	6602	0	0	0	0	0	0	0	6525	6602
	03 LP	2847	4103	3728	0	0	0	0	0	0	2847	4103	3728
	03 TOTAL	2847	4103	3728	0	0	0	0	0	0	2847	4103	3728
	06 LP	3299	11392	10276	0	0	0	0	0	0	3299	11392	10276
	06 TOTAL	3299	11392	10276	0	0	0	0	0	0	3299	11392	10276
	07 LP	0	0	0	4293	54130	48726	0	0	0	4293	54130	48726
	07 TOTAL	0	0	0	4293	54130	48726	0	0	0	4293	54130	48726
CUTTING UNIT													
4b	TOTAL	8089	38401	32757	4293	54130	48726	0	0	0	12381	92531	81483
5	01 LP	2628	22153	16433	0	0	0	0	0	0	2628	22153	16433
	01 TOTAL	2628	22153	16433	0	0	0	0	0	0	2628	22153	16433
	02 LP	0	8825	8929	0	0	0	0	0	0	0	8825	8929
	02 TOTAL	0	8825	8929	0	0	0	0	0	0	0	8825	8929
	03 LP	3850	5549	5042	0	0	0	0	0	0	3850	5549	5042
	03 TOTAL	3850	5549	5042	0	0	0	0	0	0	3850	5549	5042

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C		*****		LIVE	*****		*****		DEAD	*****		*****	OTHER	*****		*****	TOTAL	*****	
U	P	EST.		GROSS	EST.		GROSS		NET	EST.		GROSS		EST.		GROSS	TOTAL	NET	
T	R	NO OF		CUFT	NO OF		GROSS		CUFT	NO OF		GROSS		EST.		CUFT	TOTAL	NET	
O	E	TRES			TRES		CUFT			TRES		CUFT		TRES			TOTAL	CUFT	
U	D	TRES			TRES		CUFT			TRES		CUFT		TRES			TOTAL	CUFT	
N	I	TRES			TRES		CUFT			TRES		CUFT		TRES			TOTAL	CUFT	
I	C	TRES			TRES		CUFT			TRES		CUFT		TRES			TOTAL	CUFT	
T	S	TRES			TRES		CUFT			TRES		CUFT		TRES			TOTAL	CUFT	
06	LP	4461	15407	13897	0	0	0	0	0	0	0	0	0	0	0	4461	15407	13897	
06	TOTAL	4461	15407	13897	0	0	0	0	0	0	0	0	0	0	0	4461	15407	13897	
07	LP	0	0	0	5806	73207	65898	0	0	0	0	0	0	0	0	5806	73207	65898	
07	TOTAL	0	0	0	5806	73207	65898	0	0	0	0	0	0	0	0	5806	73207	65898	
CUTTING UNIT																			
5	TOTAL	10939	51934	44301	5806	73207	65898	0	0	0	0	0	0	0	0	16745	125141	110199	
6	01 LP	735	6196	4596	0	0	0	0	0	0	0	0	0	0	0	735	6196	4596	
	01 TOTAL	735	6196	4596	0	0	0	0	0	0	0	0	0	0	0	735	6196	4596	
	02 LP	0	2468	2497	0	0	0	0	0	0	0	0	0	0	0	0	2468	2497	
	02 TOTAL	0	2468	2497	0	0	0	0	0	0	0	0	0	0	0	0	2468	2497	
	03 LP	1077	1552	1410	0	0	0	0	0	0	0	0	0	0	0	1077	1552	1410	
	03 TOTAL	1077	1552	1410	0	0	0	0	0	0	0	0	0	0	0	1077	1552	1410	
	06 LP	1248	4309	3887	0	0	0	0	0	0	0	0	0	0	0	1248	4309	3887	
	06 TOTAL	1248	4309	3887	0	0	0	0	0	0	0	0	0	0	0	1248	4309	3887	
	07 LP	0	0	0	1624	20474	18429	0	0	0	0	0	0	0	0	1624	20474	18429	
	07 TOTAL	0	0	0	1624	20474	18429	0	0	0	0	0	0	0	0	1624	20474	18429	
CUTTING UNIT																			
6	TOTAL	3059	14524	12389	1624	20474	18429	0	0	0	0	0	0	0	0	4683	34998	30819	

C														
U P S														
T R P														
O E														
U D C ***** LIVE ***** ***** DEAD ***** ***** OTHER ***** ***** TOTAL *****														
N U I EST.														
I C E NO OF GROSS NET NO OF GROSS NET NO OF GROSS NET NO OF GROSS NET														
T T S TREES CUFT CUFT TREES CUFT CUFT TREES CUFT CUFT TREES CUFT TREES CUFT TREES CUFT														
TOTALS--	31736	150667	128522	16843	212384	191179	0	0	0	48579	363050	319701		

NOTE: Volumes include primary, secondary and recovered for each product number.
Number of trees includes only primary values even though no volume may appear.
Net cubic or board includes recovered volume if present.

FOR THE SALE

FOR CUT TREES ONLY

CRUISE#: 001 SALE#: 13601

SALENAME: Lo-elly Timber Sale

RUN DATE & TIME: 03-29-2013 08:11:47

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P A Y M E N T U N I T	P R O D U C T	S P E C I E S	***** LIVE *****			***** DEAD *****			OTHER	***** OTHER *****			***** TOTAL *****	
			EST. NO OF TREES	GROSS CUFT	NET CUFT	EST. NO OF TREES	GROSS CUFT	NET CUFT		EST. NO OF TREES	GROSS CUFT	NET CUFT	EST. NO OF TREES	GROSS CUFT
1	01	LP	2628	22153	16433	0	0	0	0	0	0	2628	22153	16433
	01	TOTAL	2628	22153	16433	0	0	0	0	0	0	2628	22153	16433
	02	LP	0	8825	8929	0	0	0	0	0	0	0	8825	8929
	02	TOTAL	0	8825	8929	0	0	0	0	0	0	0	8825	8929
	03	LP	3850	5549	5042	0	0	0	0	0	0	3850	5549	5042
	03	TOTAL	3850	5549	5042	0	0	0	0	0	0	3850	5549	5042
	06	LP	4461	15407	13897	0	0	0	0	0	0	4461	15407	13897
	06	TOTAL	4461	15407	13897	0	0	0	0	0	0	4461	15407	13897
	07	LP	0	0	0	5806	73207	65898	0	0	0	5806	73207	65898
	07	TOTAL	0	0	0	5806	73207	65898	0	0	0	5806	73207	65898
PAYMENT UNIT														
1	TOTAL		10939	51934	44301	5806	73207	65898	0	0	0	16745	125141	110199
2	01	LP	1759	14832	11002	0	0	0	0	0	0	1759	14832	11002
	01	TOTAL	1759	14832	11002	0	0	0	0	0	0	1759	14832	11002
	02	LP	0	5908	5978	0	0	0	0	0	0	0	5908	5978
	02	TOTAL	0	5908	5978	0	0	0	0	0	0	0	5908	5978
	03	LP	2578	3715	3375	0	0	0	0	0	0	2578	3715	3375
	03	TOTAL	2578	3715	3375	0	0	0	0	0	0	2578	3715	3375

FOR THE SALE

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P A Y M E N T U N I T	P R O D U C T	***** LIVE *****			***** DEAD *****			***** OTHER *****	***** TOTAL *****				
		EST. NO OF TREES	GROSS CUFT	NET CUFT	EST. NO OF TREES	GROSS CUFT	NET CUFT		EST. NO OF TREES	GROSS CUFT	NET CUFT		
06 LP		2987	10315	9304	0	0	0	0	0	0	2987	10315	9304
06 TOTAL		2987	10315	9304	0	0	0	0	0	0	2987	10315	9304
07 LP		0	0	0	3887	49012	44119	0	0	0	3887	49012	44119
07 TOTAL		0	0	0	3887	49012	44119	0	0	0	3887	49012	44119
PAYMENT UNIT													
2 TOTAL		7324	34770	29659	3887	49012	44119	0	0	0	11211	83782	73778
3 01 LP		3237	27285	20240	0	0	0	0	0	0	3237	27285	20240
01 TOTAL		3237	27285	20240	0	0	0	0	0	0	3237	27285	20240
02 LP		0	10869	10997	0	0	0	0	0	0	0	10869	10997
02 TOTAL		0	10869	10997	0	0	0	0	0	0	0	10869	10997
03 LP		4742	6834	6210	0	0	0	0	0	0	4742	6834	6210
03 TOTAL		4742	6834	6210	0	0	0	0	0	0	4742	6834	6210
06 LP		5495	18975	17116	0	0	0	0	0	0	5495	18975	17116
06 TOTAL		5495	18975	17116	0	0	0	0	0	0	5495	18975	17116
07 LP		0	0	0	7151	90165	81162	0	0	0	7151	90165	81162
07 TOTAL		0	0	0	7151	90165	81162	0	0	0	7151	90165	81162
PAYMENT UNIT													
3 TOTAL		13473	63964	54562	7151	90165	81162	0	0	0	20624	154128	135725

TOTALS for Sale-as-a-whole:

	***** EST. NO OF TREES	LIVE GROSS CUFT	***** NET CUFT	***** EST. NO OF TREES	DEAD GROSS CUFT	***** NET CUFT	***** EST. NO OF TREES	OTHER GROSS CUFT	***** NET CUFT	***** EST. NO OF TREES	TOTAL GROSS CUFT	***** NET CUFT
TOTALS--	31736	150667	128522	16843	212384	191179	0	0	0	48579	363050	319701

NOTE: Volumes include primary, secondary and recovered for each product number.
 Number of trees includes only primary values even though no volume may appear.
 Net cubic or board includes recovered volume if present.