WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES

TIMBER NOTICE OF SALE

***SALE NAME**: ELK STUMP SORTS*

***AGREEMENT NO**: 30-94237 - 30-94250*

AUCTION: March 30, 2017 starting at 10:00 a.m.

COUNTY: Pacific

Pacific Cascade Region Office, Castle Rock, WA

SALE LOCATION: Sale located approximately 8 miles east of Doty

PRODUCTS SOLD AND SALE AREA: All delivered timber described below, except trees bounded by yellow "Leave Tree Area" tags, individual leave trees marked with blue paint and all down timber existing 10 years prior to sale, bounded by the following MC-4700, reprod, white "Timber Sale Boundary" tags in Unit 1; MC-4000, reprod, white "Timber Sale Boundary" tags in Unit 2; MC-4700, reprod, white "Timber Sale Boundary" tags in Unit 3; orange "Right of Way Boundary" tags in Unit 4 (ROW) meeting the specifications described below; on parts of Section 12 in Township 13 North, Range 7 West, Sections 5, 6, 7, and 18 all in Township 13 North, Range 6 West W.M. containing 297 acres, more or less.

MINIMUM BID AND ESTIMATED LOG VOLUMES:

Agreement #	Sort #	Species and Sort Specifications	Average Length	Estimated Volume		Tons Per MBF	Minimum Bid Delivered Prices		Total Appraised Value	Bid Deposit
				Mbf	Tons		$/mbf	$/Ton		
30-094237	1	DF 5"-11" dib	28'	569	3983	7				
30-094238	2	DF 12"-19" dib	28'	1531	8420	5.5				
30-094239	3	DF 20"+ dib	28'	1879	9019	4.8				
30-094240	4	DF HQB 10"-19" dib	28'	1193	6562	5.5				
30-094241	5	DF HQB 20"+ dib	28'	505	2323	4.6				
30-094242	6	RA 5"-11" dib	28'	605	4356	7.2				
30-094243	7	RA 12"+ dib	28'	202	1212	6				
30-094244	8	RC 5"+ dib	28'	583	4198	7.2				
30-094245	9	WW 5"-11" dib	28'	686	4940	7.2				
30-094246	10	WW 12"+ dib	28'	544	3155	5.8				
30-094247	11	WW HQB 12"+	28'	738	3838	5.2				
30-094248	12	Hardwood Pulp 2"+ dib	N/A	98	1274	13				
30-094249	13	WW Pulp 2"+ dib	N/A	65	845	13				
30-094250	14	DF Pulp 2"+ dib	N/A	67	871	13				

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WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES

TIMBER NOTICE OF SALE

Totals: **9265 54996**

CERTIFICATION: This sale is certified under the Sustainable Forestry Initiative® program Standard (cert no: BV-SFIS-US09000572)

BID METHOD: Sealed Bids **UNIT OF MEASURE:** MBF Scale/Tonnage Scale

EXPIRATION DATE: December 31, 2017 **ALLOCATION:** Export Restricted

PAYMENT SECURITY: To be determined by the State as described in Clause P-045.2 of the Purchaser's Contract.

BIDDING PROCEDURES: A separate sealed bid and envelope must be submitted for each log sort. Prospective Purchasers may bid on any or all log sorts. At the date of sale the Purchaser must bring their bid deposit up to 10% of their total bid price. Complete bidding procedures and auction information may be obtained from the Pacific Cascade Region Office in Castle Rock WA. Phone number (360)577-2025.

TIMBER EXCISE TAX: **P**urchaser must pay the forest excise taxes associated with the log sorts delivered to them. The tax rate for this sale is 4.2 %. Taxable Stumpage = Total Delivered Value – (Harvest Cost + Estimated Hauling Cost + ARRF). For more information contact the Department of Revenue, Forest Tax Section at 1-800-548-8829.

Use the following rates for estimating taxable stumpage:

Harvest Cost = $0.00 per MBF for sorts 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and 11 and $10.00 per Ton for sorts 12, 13 and 14.

Hauling Services Payment Rate per Ton
= (Base Rate + Mileage Rate) x (Contractor's hauling bid factor)

Base Rate = $2.35 per ton

Mileage Rate = (($0.16 x C miles) + ($0.11 x A miles)) x Fuel Index Factor

ARRF = $0.00 per MBF for sorts 12, 13 and 14 and $26.75 per MBF for sorts 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and 11.

Note: To calculate ARRF rates per ton use the tons\mbf conversion factor in the table above.

CONFIRMATION: Each sort is subject to confirmation following auction. Sorts will not be confirmed until at least 10 days after auction. Final contract award is contingent upon the State's haul cost analysis. Actual haul route may vary and is subject to change at the State's discretion.

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WASHINGTON STATE DEPARTMENT OF
NATURAL RESOURCES

TIMBER NOTICE OF SALE

SPECIAL REMARKS: The successful Purchaser(s) will be required to purchase logs from the sale area upon delivery to their location specified in the bid submitted. Logs will be delivered to the Purchaser's delivery location by the State's contract harvester. Purchaser is responsible for weighing and scaling costs. All tonnage loads will be weighed and all mbf loads will be scaled at State approved locations. The State reserves the right to determine where logs are authorized to be scaled and weighed.

For more information regarding this log sort sale visit our web site: http://www.dnr.wa.gov/programs-and-services/product-sales-and-leasing/timber-sales/timber-auction-packets. If you have questions call Dave Sund at the Pacific Cascade Region Office at (360)577-2025 or Steve Seitz at the Product Sales and Leasing Division Office in Olympia at (360)902-1741.

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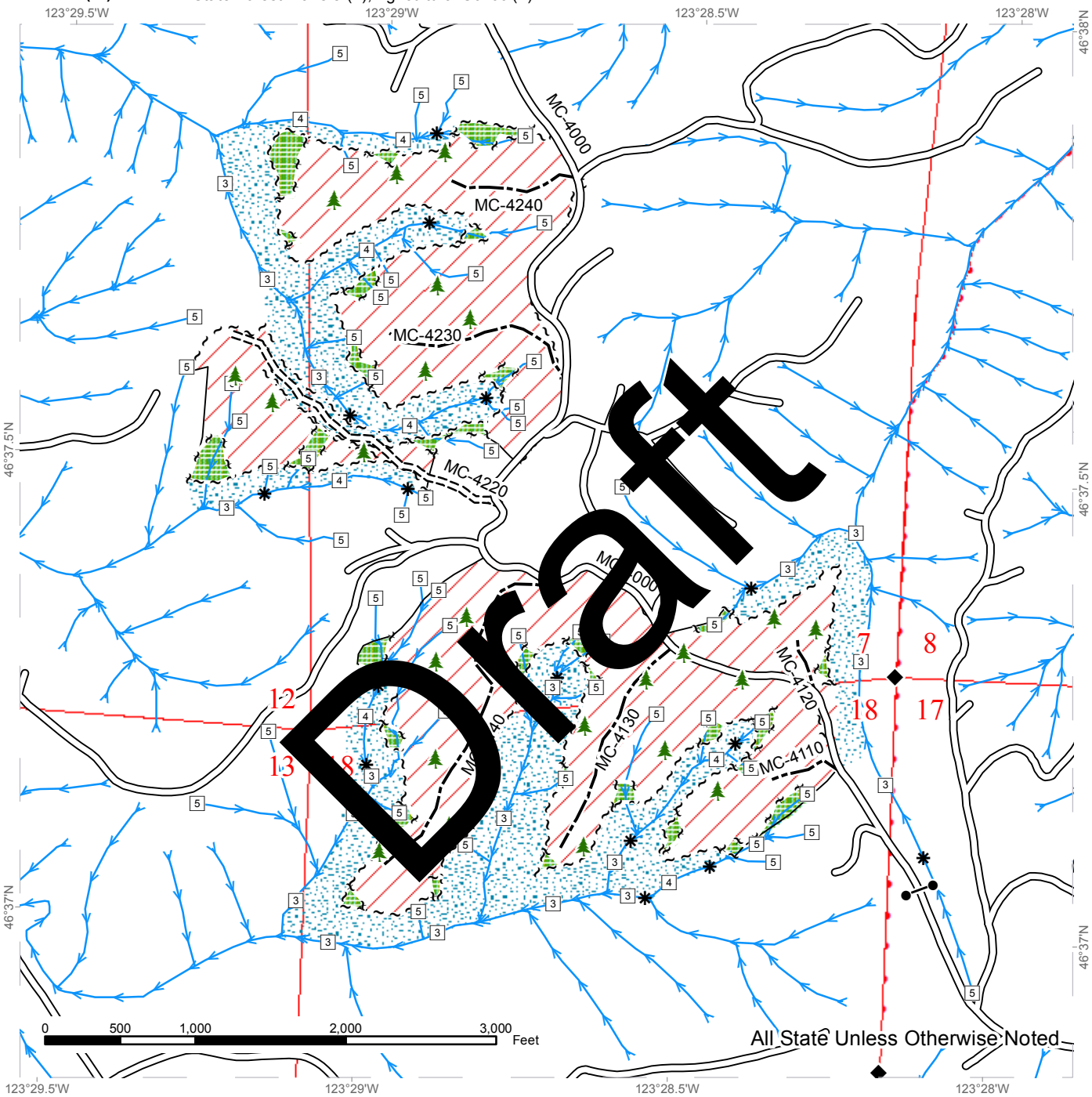
TIMBER SALE MAP

SALE NAME: ELK STUMP SORTS
AGREEMENT #: None
TOWNSHIP(S): T13R06W, T13R07W
TRUST(S): State Forest Transfer(1), Agricultural School(4)

REGION: Pacific Cascade Region
COUNTY(S): PACIFIC
ELEVATION RGE: 558-995



Variable Retention Harvest	Sale Boundary Tags	Streams
Leave Tree Area	Leave Tree Tags	Stream Type
Riparian Mgt Zone	Right of Way Tags	Stream Type Break
	Reprod	Monumented Corners
	Existing Roads	Leave Trees
	Required Construction	
	Optional Construction	

N

Prepared By: cbro490 03/22/2016

Modification Date: 5/17/2016

TIMBER SALE MAP

SALE NAME: ELK STUMP SORTS
AGREEMENT #: None
TOWNSHIP(S): T13R06W, T13R07W
TRUST(S): State Forest Transfer(1), Agricultural School(4)

REGION: Pacific Cascade Region
COUNTY(S): PACIFIC
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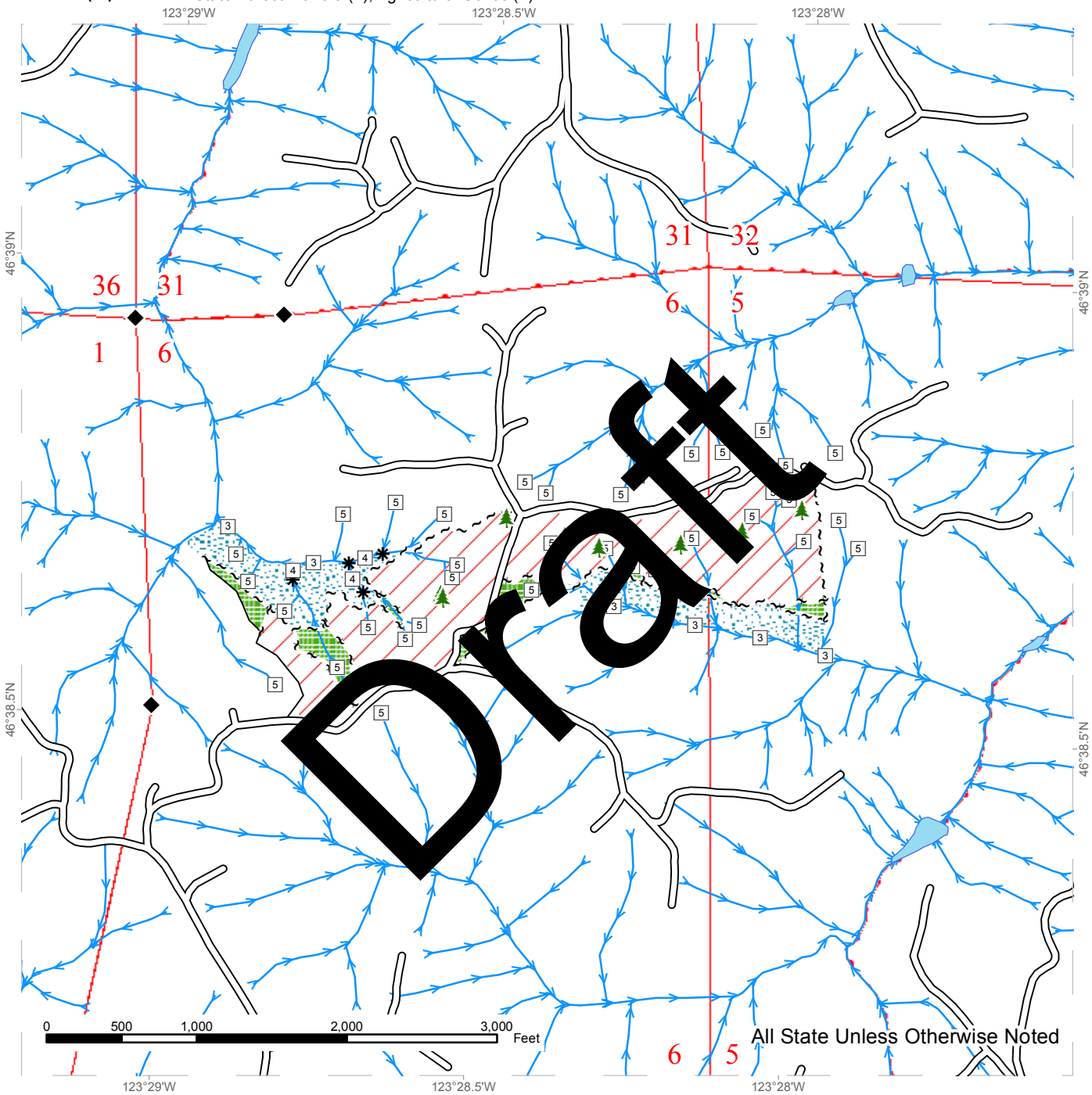


Variable Retention Harvest
Leave Tree Area
Riparian Mgt Zone
Sale Boundary Tags
Leave Tree Tags
Reprod
Existing Roads
Streams
Stream Type
Stream Type Break
Monumented Corners
Leave Trees

N

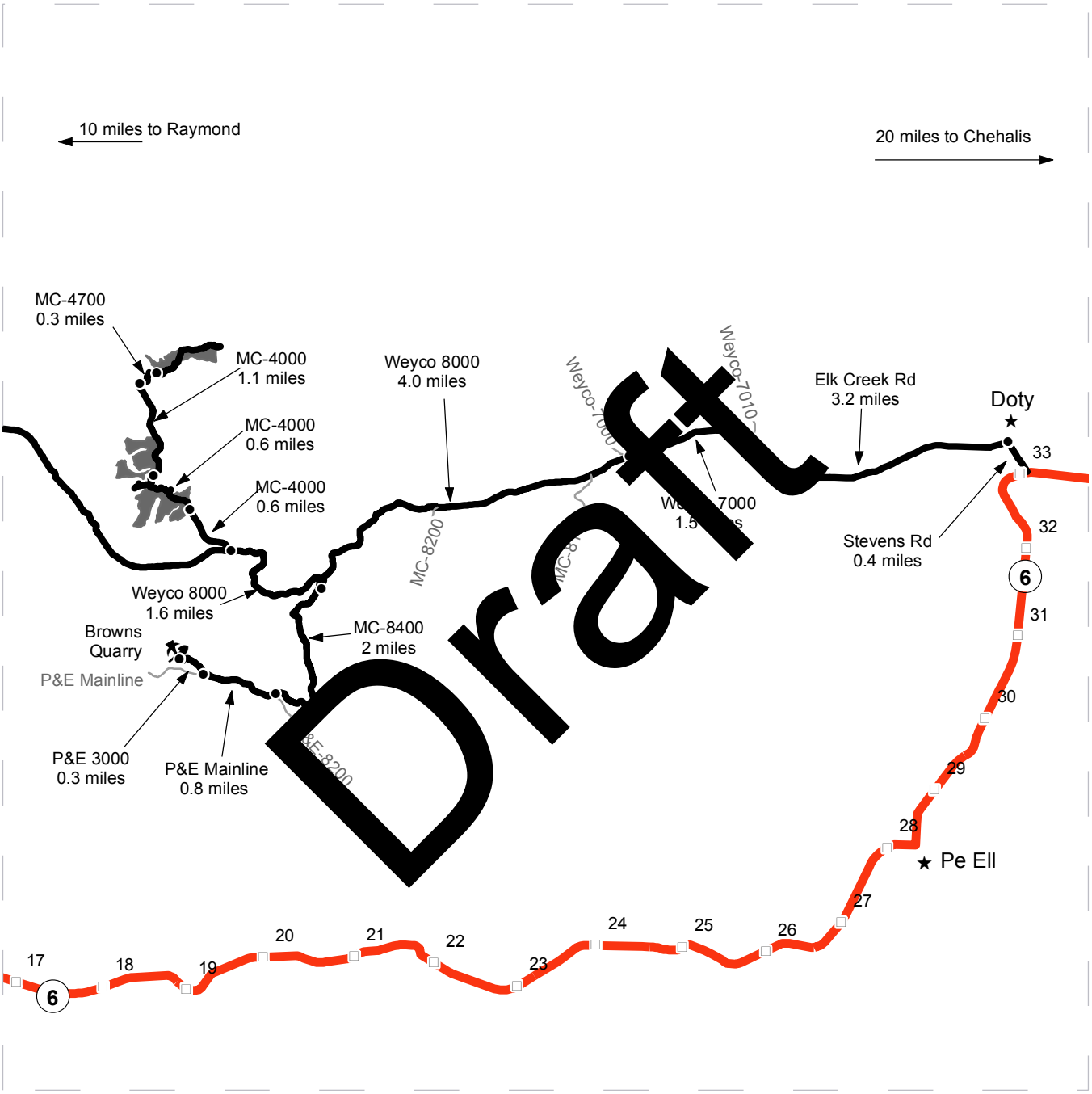
Prepared By: cbro490 03/22/2016

Modification Date: 5/17/2016

DRIVING MAP

SALE NAME: ELK STUMP SORTS
AGREEMENT#: None
TOWNSHIP(S): T13R06W, T13R07W
TRUST(S): State Forest Transfer(1), Agricultural School(4)

REGION: Pacific Cascade Region
COUNTY(S): PACIFIC
ELEVATION RGE: 558-995



Timber Sale Unit	Driving Directions:
Highways	At mile marker 33 turn north onto Stevens rd from Highway 6 for 0.3 miles. Turn west onto Elk Creek Rd. for 3.2 miles to end of pavement, begin Weyco 7000. 1.5 miles to Weyco 7000 and stay left at teh fork, begin Weyco 8000
Haul Route	Continue on the 8000 for 4.0 miles to the MC-8400 intersection (Continue west to timber sale units, go south towards Browns quarry)
Other Route	
Milepost Markers	Continue on Weyco 8000 for 1.6 miles to MC-4000 for 0.6 miles to reach unit 1. Continue on MC-4000 for 0.6 miles for unit 2. Continue on MC-400 for 1.1 miles turn righ tonto MC-4700 for 0.3 miles for unit 3.
Distance Indicator	
Town	To reach Browns Quarry: Turn south on the MC-8400 for 2 miles. Turn west onto the P&E Mainline for 0.8 miles. Turn north onto the P&E 3000 for 0.3 miles to reach Browns Quarry."
Existing Rock Pit	

N

Prepared By: cbro490 03/22/2016

Modification Date: 4/14/2016

Cruise Narrative

Sale Name: Elk Stump Sorts	**Region:** Pacific Cascade
App. #: 30-0	**District: Lewis**
Lead Cruiser: Eric Carlson	**Completion date:** 05-23-2016
Other Cruisers: Bryce Frank, Kalvin Bailey	

Unit acreage specifications:

Unit #	Cruised acres	Cruised acres agree with sale acres? Yes/No	If acres do not agree explain why.
1	88	Yes	
2	69	Yes	
3	49	Yes	
4 ROW	1	Yes	
Total	207	Yes	

Unit cruise specifications:

Unit #	Sample type (VP, FP, ITS,100%)	Expansion factor (BAF, full/ half)	Sighting height (4.5 ft, 16 ft)	Grid size (Plot spacing x % area)	Plot ratio (Cru./Tally)	Total number of plots
1	VP	54.44 / 33.61	4.5 ft	208' x 208'	1:1	87
2	VP	46.94 / 27.78	4.5 ft	208' x 208'	1:1	69
3	VP	46.94 / 27.78	4.5 ft	208' x 208'	1:1	49
4 ROW	VP	46.94 / 27.78	4.5 ft	208' x 208'	1:1	4

Sale/Cruise Description:

Minor species cruise intensity:	Cruised on appropriate plots.					
Minimum cruise spec:	40% 0f Form- Factor at 16 feet D.O.B or 5 inch Top, and merchantable top.					
Avg. ring count by sp:	**DF** =	7	**WH** =	7	**SS** =	n/a
Leave/take tree description:	Leave tree clumps are bounded with yellow "Leave Tree Area" tags and pink flagging, individual leave trees are marked with a single band of blue paint.					

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Sort Description:	**HA**– Logs meeting the following criteria: Surface characteristics for a high quality A sort will have sound tight knots not to exceed 1 ½" in diameter, numbering not more than an average of one per foot of log length. May include logs with not more than two larger knots. Knots and knot indicators ½" in diameter and smaller shall not be a determining factor. Logs will have a growth ring count of 6 or more rings per inch in the outer third top end of the log. (min dia 8".) **HB** – Logs meeting the following criteria: Surface characteristics for a B sort will have sound tight knots not to exceed 1 ½" in diameter. May include logs with not more than two larger knots up to 2 ½" in diameter. Logs will have a growth ring count of 6 or more rings per inch in the outer third to end of the log. (min dia 8".) **R** – Logs meeting the following criteria: Gross diameter of 12 inches or greater, excessive knots greater than 2 ½ inches with recovery less than 65% of the net scale.
Status Description:	**P** – Logs classified as pole volume. **D** – Logs classified as merchantable standing dead.

Field observations:

Elk Stump sorts- consists of 4 units in total. Units 1, 2, and 3 are [illegible] unit 4 is a 1 acre ROW.

Unit 1 is located northeast and southwest of the MC-4000 and is accessible by hiking [illegible] road. This unit consisted mainly of Douglas –Fir at 66% followed by Western Hemlock with 21% and small amounts of Red Alder and Western Red Cedar. The timber's average diameter is 1[illegible] inches and the average bole ht. is 77 ft. Defect for this unit is at 3.7% and is composed of spike knots and hooked butts and sweep. This unit consisted of 87 acres of the total sale area for an average per-acre net volume of 4,425 bdft and a total volume of 4,735 mbf.

Unit 2 is located west of the MC-4000. This unit is primarily Douglas-Fir [illegible]% followed by Western Hemlock at 27% and small amounts of Red Alder and Western Red Cedar. The timber's average diameter is 22.1 inches and the average bole ht.is 84 ft. Defect for this unit is 5.1% and is composed of spike-knots and hooked butts and sweep. This unit consisted of 69 acres of the total sale area for an average per-acre net volume of 45,526 bdft and a total volume of 3,141 mbf.

Unit 3 is located to northeast and southwest of MC-47[illegible] This unit consisted of 56% Douglas-Fir followed by 19% Red Alder and small amounts of Western Hemlock and Western Red Cedar. The timbers average diameter is 17.5 inches and the average bole ht. is 67 ft. Defect for this unit is 4.7% and is composed of spike-knots and hooked butts and sweep. This unit consisted of 49 acres of the total sale area for an average per-acre net volume of 26,887 bdft and a total volume of 317 mbf.

Unit 4 is a small 1 acre ROW unit located off the southwestern tip of Unit 2. This unit consisted of 95% Douglas-Fir with small amounts of Red Alder and Western Red Cedar. The timbers average diameter is 20.4 inches and the average bole ht. is 88 ft. Defect for this unit is 4.1% and is composed of spike-knots and hooked butts and sweep. The average per-acre net volume is 30,941 bdft and the total volume is 31 mbf.

Access to all the units is relatively easy as they are all located off the roads.
The harvest system is 45% ground based and 55% uphill cable.

Grant: 01, 04 **Prepared by: Eric Carlson** **Title: Timber Cruiser**

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TC PSPCSTGR

Species, Sort Grade - Board Foot Volumes (Project)

T13N R06W S18 Ty00U1
THRU
T13N R06W S18 Ty00U4

Project: ELKSTUMP
Acres 207.00

Page 1
Date 6/1/2016
Time 1:42:52PM

Spp	S T	So rt	Gr ad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent of Net Board Foot Volume: Log Scale Dia. 5-7	8-11	12-15	16+	Log Length 12-20	21-30	31-35	36-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
RA		CU	CU		100.0	35											5	8		0.00	9.7
RA	D	UT		10		452	452	94	93	5	2		41	41	5	12	20	5	23	0.32	19.6
RA	D	1S		3	6.5	136	127	26				100				100	38	17	399	2.75	.3
RA	D	2S		19	4.5	889	849	176			100			20	7	72	35	13	199	1.58	4.3
RA	D	3S		21	2.8	902	877	182		100			2	31	15	52	33	11	131	1.05	6.7
RA	D	4S		31	2.9	1,398	1,357	281		100				17	4	79	35	8	84	0.76	16.1
RA	D	4S		16	4.4	718	687	142	100				3	29	14	54	32	6	40	0.44	17.3
RA	**Totals**			10	4.0	4,531	4,349	900	25	52	20	3	5	24	8	62	26	7	59	0.67	74.0
RC		CU	CU														2	15		0.00	3.3
RC	D	3S		79	3.5	2,385	2,302	477	9	26	29	[illegible]	[illegible]	9	5	85	35	10	158	1.37	14.6
RC	D	4S		18		516	516	107	96	4	[illegible]	[illegible]	[illegible]	56	8	22	26	5	27	0.36	18.8
RC	D	UT		3		66	66	14	70	[illegible]	[illegible]	[illegible]	[illegible]	28	37	30	27	5	40	0.52	1.6
RC	**Totals**			6	2.8	2,966	2,884	597	26	22	24	[illegible]	3	[illegible]	6	73	27	8	75	0.85	38.3
WH		CU	CU		100.0	112											7	10		0.00	8.2
WH	HA	2S		3		344	344	71			[illegible]					100	40	13	246	1.41	1.4
WH	HA	3S		1		84	84	17		100						100	40	8	100	0.58	.8
WH	HB	2S		29	2.3	2,879	2,812	582			[illegible]				3	97	39	15	328	1.84	8.6
WH	HB	3S		9	1.2	940	929	[illegible]	2	[illegible]					7	93	39	10	136	0.87	6.8
WH	D	SM		5	1.1	416	411	[illegible]				[illegible]				100	40	19	590	2.87	.7
WH	D	2S		26	6.7	2,792	2,605	[illegible]				66	1		5	94	38	15	348	2.10	7.5
WH	D	3S		17	3.4	1,625	[illegible]	323	29	71			1	2	29	68	36	8	91	0.69	17.3
WH	D	4S		6		[illegible]	647	134		8			29	25	26	20	25	6	28	0.34	23.0
WH	D	UT		4		[illegible]	316	[illegible]	[illegible]		26	57	34	16	5	45	22	9	105	1.07	3.0
WH	**Totals**			22	4.3	[illegible]	9,718	[illegible]	12	22	28	38	3	3	9	85	30	9	126	1.00	77.3
DF		CU	CU		100.0	72											3	16		0.00	9.9
DF	HA	2S		1	.5	399	[illegible]	82			100					100	40	14	322	1.71	1.2
DF	HA	3S				57	57	12		100						100	40	10	150	0.97	.4
DF	HB	2S		22	2.9	6,152	5,974	1,237			30	70		1	1	98	39	16	408	2.13	14.6
DF	HB	3S		3	1.9	853	837	173		100					6	94	38	10	130	0.81	6.4
DF	D	3P			1.8	190	187	39				100	7			93	34	29	1345	7.89	.1
DF	D	SM		5	.7	1,301	1,291	267				100				100	40	20	684	3.26	1.9
DF	D	2S		59	5.7	17,240	16,260	3,366		0	17	83	0	0	3	96	39	18	530	2.80	30.7
DF	D	3S		7	2.0	2,006	1,966	407	6	94			3	20	27	51	33	9	98	0.88	20.1
DF	D	4S		1		411	411	85	81	19			24	51	1	24	24	6	32	0.38	12.7
DF	D	UT		1	2.2	330	323	67	4	3		94	76	4		20	20	15	222	2.02	1.5
DF	RO	3S		1	2.9	42	41	8			83	17		17		83	36	13	216	1.85	.2
DF	**Totals**			62	4.5	29,053	27,743	5,743	2	10	18	70	2	3	4	91	32	14	278	1.85	99.7
SS	D	2S		21	20.8	30	24	5			100					100	40	13	190	1.67	.1
SS	D	3S		57	4.5	66	63	13	39	61					37	63	35	8	76	0.57	.8
SS	D	4S		22		24	24	5	100					50	50		26	5	29	0.26	.8
SS	**Totals**			0	7.7	120	111	23	44	35	21			11	32	57	31	7	62	0.55	1.8
CW	D	UT		21		5	5	1	100						100		33	5	40	0.34	.1
CW	D	3S		79		18	18	4		100						100	40	10	150	0.97	.1

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TC PSPCSTGR

Species, Sort Grade - Board Foot Volumes (Project)

T13N R06W S18 Ty00U1
THRU
T13N R06W S18 Ty00U4

Project: **ELKSTUMP**

Acres **207.00**

Page **2**
Date **6/1/2016**
Time **1:42:52PM**

Spp	S T	So Gr rt ad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent of Net Board Foot Volume: Log Scale Dia. 5-7	8-11	12-15	16+	Log Length 12-20	21-30	31-35	36-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
CW	**Totals**		0		22	22	5	21	79					21	79	37	8	95	0.69	.2
Totals				4.3	46,847	44,826	9,279	8	18	21	54	3	6	6	86	29	10	154	1.22	291.3

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TC PSTATS

PROJECT STATISTICS

PROJECT ELKSTUMP

DATE 6/1/2016

TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt
13N	06	18	ELKSTUMP	00U1	THR	207.00	209	1,230	S	W
13N	06W	18	ELKSTUMP	00U4						

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	209	1230	5.9		
CRUISE	105	586	5.6	25,598	2.3
DBH COUNT					
REFOREST					
COUNT	97	632	6.5		
BLANKS	7				
100 %					

STAND SUMMARY

	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
DOUG FIR	247	31.2	27.2	108	24.1	125.6	29,053	27,743	5,970	5,955
WHEMLOCK	131	31.4	18.2	83	13.3	56.[illegible]	10,155	9,718	2,342	2,318
R ALDER	137	35.8	15.1	60	11.4	44.[illegible]	4,531	4,349	1,309	1,298
WR CEDAR	67	24.3	15.5	54	8.1	31.9	2,966	2,884	887	887
S SPRUCE	3	.8	13.4	76	0.2	[illegible]	120	111	30	31
COTWOOD	1	.1	16.0	75	0.0	[illegible]	[illegible]	22	6	6
TOTAL	*586*	*123.7*	*19.6*	*77*	*58.6*	*[illegible]259*	*46,84[illegible]*	*44,826*	*10,545*	*10,496*

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITH[illegible] THE SA[illegible]LE ERRO[illegible]

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	SAMPL[illegible] TR[illegible]S - [illegible] LOW	AVG	HIGH	# OF TREES REQ. 5	7	INF. POP. 10
DOUG FIR	54.7	3.5	1,1[illegible]	1,188	1,2[illegible]			
WHEMLOCK	67.9	6.0	480	511	542			
R ALDER	58.2	5.[illegible]	[illegible]46	154	162			
WR CEDAR	109.1	[illegible]	[illegible]	[illegible]	275			
S SPRUCE	77.8	[illegible]3.8	[illegible]	16[illegible]	277			
COTWOOD								
TOTAL	*95.2*	[illegible]	*653*	*680*	*706*	*362*	*185*	*90*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	[illegible]IPLE TREES - CF [illegible]	AVG	HIGH	# OF TREES REQ. 5	7	INF. POP. 10
DOUG FIR	48.4	3.1	241	249	257			
WHEMLOCK	59.5	5.2	111	118	124			
R ALDER	56.1	4.8	44	46	48			
WR CEDAR	94.2	11.5	64	72	81			
S SPRUCE	84.9	58.8	21	51	81			
COTWOOD								
TOTAL	*82.9*	*3.4*	*145*	*151*	*156*	*274*	*140*	*69*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	TREES/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	7	INF. POP. 10
DOUG FIR	97.9	6.8	29	31	33			
WHEMLOCK	158.2	10.9	28	31	35			
R ALDER	133.6	9.2	32	36	39			
WR CEDAR	235.2	16.3	20	24	28			
S SPRUCE	789.8	54.6	0	1	1			
COTWOOD	1445.7	99.9	0	0	0			
TOTAL	*70.2*	*4.8*	*118*	*124*	*130*	*197*	*100*	*49*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	BASAL AREA/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	7	INF. POP. 10
DOUG FIR	88.8	6.1	118	126	133			
WHEMLOCK	147.5	10.2	51	57	62			
R ALDER	125.8	8.7	41	44	48			
WR CEDAR	196.7	13.6	28	32	36			

Draft

TC PSTATS

PROJECT STATISTICS

PROJECT **ELKSTUMP**

DATE 6/1/2016

TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt
13N	06	18	ELKSTUMP	00U1	THR	207.00	209	1,230	S	W
13N	06W	18	ELKSTUMP	00U4						

CL 68.1	COEFF		**BASAL AREA/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.00	VAR.	S.E.%	LOW	AVG	HIGH	5	7	10
S SPRUCE	731.6	50.6	0	1	1			
COTWOOD	1445.7	99.9	0	0	0			
TOTAL	*54.7*	*3.8*	*250*	*259*	*269*	*119*	*61*	*30*

CL 68.1	COEFF		**NET BF/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
DOUG FIR	90.8	6.3	26,002	27,743	29,484			
WHEMLOCK	157.1	10.9	8,663	9,718	10,773			
R ALDER	126.6	8.8	3,968	4,349	4,729			
WR CEDAR	210.8	14.6	2,464	2,884	3,304			
S SPRUCE	735.5	50.8	54	111	167			
COTWOOD	1445.7	99.9	0	22	45			
TOTAL	*62.8*	*4.3*	*42,881*	*44,826*	*46,772*	*157*	*80*	*39*

CL 68.1	COEFF		**NET CUFT FT/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
DOUG FIR	90.0	6.2	5,585	5,955	[illegible]			
WHEMLOCK	153.3	10.6	2,073	2,318	[illegible]64			
R ALDER	125.8	8.7	1,186	1,298	[illegible]			
WR CEDAR	199.8	13.8	765	887	1,[illegible]			
S SPRUCE	741.1	51.2	15	31	[illegible]46			
COTWOOD	1445.7	99.9	0	6	12			
TOTAL	*59.0*	*4.1*	*10,068*	*10,496*	[illegible]	*139*	*71*	*35*

CL 68.1	COEFF		**V_BAR/ACR[illegible]**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AV[illegible]	[illegible]GH	5	7	10
DOUG FIR			207	221	235			
WHEMLOCK	107.9	7.5	[illegible]	172	[illegible]			
R ALDER	44.7	3.1	89	98	[illegible]			
WR CEDAR	36.2	2.5	77	91	104			
S SPRUCE	695.7	[illegible]	[illegible]	[illegible]	205			
COTWOOD	1445.7	[illegible]9.9		[illegible]	272			
TOTAL	*55.7*	[illegible]9	*165*	*173*	*180*	*124*	*63*	*31*

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T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: ELKSTUMP

Date 6/1/2016

Time 1:42:53PM

T13N R06W S18 T00U1

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
13N	06W	18	ELKSTUMP	00U1	88.00	87	286	S	W

T13N R06W S18 T00U1

Spp	St	Sort	Grade	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 5-7	8-11	12-15	16+	Log Length 12-20	21-30	31-35	36-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
DF		CU	CU		100.0	107											3	17		0.00	14.4
DF		HA	2S	1	1.0	480	475	42			100					100	40	15	331	1.79	1.4
DF		HA	3S			135	135	12		100						100	40	10	150	0.97	.9
DF		HB	2S	31	2.6	11,352	11,056	973			29	71			2	98	40	16	419	2.17	26.4
DF		HB	3S	3	1.6	1,200	1,180	104		100					5	95	39	10	145	0.84	8.2
DF		DM	3P	1		231	231	20				100				100	40	27	1370	5.52	.2
DF		DM	SM	5	.7	1,909	1,897	167				100				100	40	19	614	2.93	3.1
DF		DM	2S	48	4.7	18,402	17,544	1,544			22	78		1	3	96	39	17	484	2.51	36.3
DF		DM	3S	8	1.9	2,917	2,861	252	9	91	[illegible]	[illegible]	1	14	26	58	34	9	99	0.86	28.9
DF		DM	4S	2		555	555	49	74	26	[illegible]	[illegible]	32	52		15	23	7	33	0.43	16.9
DF		DM	UT	1		260	260	23	10	4	[illegible]	[illegible]		10			21	12	147	1.18	1.8
DF	**Totals**			66	3.6	37,548	36,192	3,185	2	11	[illegible]	[illegible]	1	[illegible]	4	92	32	13	262	1.73	138.3
WH		CU	CU		100.0	144											9	8		0.00	10.8
WH		HA	2S	7		809	809	71								100	40	13	246	1.41	3.3
WH		HA	3S	2		198	198	17		100						100	40	8	100	0.58	2.0
WH		HB	2S	26	2.2	3,025	2,957	[illegible]			56	[illegible]			6	94	39	15	317	1.78	9.3
WH		HB	3S	11	1.4	1,250	1,233	[illegible]08	4	[illegible]	[illegible]	[illegible]			9	91	39	9	125	0.81	9.9
WH		DM	SM	9	1.1	978	[illegible]	[illegible]				100				100	40	19	590	2.87	1.6
WH		DM	2S	19	6.9	2,290	2,132	[illegible]			28	72			2	98	39	16	364	2.18	5.9
WH		DM	3S	14	2.0	[illegible]	1,552	137		69			3	3	14	80	36	8	88	0.67	17.6
WH		DM	4S	7		[illegible]	852	75	92	8			20	29	38	13	26	6	29	0.31	29.3
WH		DM	UT	5		[illegible]	477	[illegible]42	13		25	62	6	25	7	61	26	9	138	0.98	3.5
WH	**Totals**			21	3.7	11,608	[illegible]178	984	12	22	29	37	2	4	8	86	30	9	120	0.92	93.2
RA		CU	CU		100.0	75											7	8		0.00	13.9
RA		DM	UT	11		636	636	56	88	8	4		42	44	4	10	21	5	26	0.35	24.9
RA		DM	1S	2	5.6	93	87	8				100				100	36	16	340	2.54	.3
RA		DM	2S	13	3.9	718	690	61			100			8		92	36	13	218	1.62	3.2
RA		DM	3S	21	3.0	1,122	1,088	96		100			5	29	13	54	33	11	132	1.06	8.2
RA		DM	4S	36	3.5	2,012	1,942	171		100				23	4	73	35	9	85	0.77	23.0
RA		DM	4S	17	3.0	889	862	76	100				2	27	13	58	32	5	39	0.40	22.4
RA	**Totals**			10	4.3	5,544	5,306	467	27	58	13	2	6	25	7	62	26	7	55	0.63	95.9
RC		CU	CU														1	8		0.00	2.9
RC		DM	3S	61	5.1	1,093	1,037	91	15	40	30	14	4	21	5	69	32	9	108	1.16	9.6
RC		DM	4S	29		505	505	44	98	2			8	70		22	25	5	26	0.38	19.8
RC		DM	UT	10		154	154	14	70		30		5	28	37	30	27	5	40	0.52	3.8
RC	**Totals**			3	3.2	1,752	1,696	149	45	25	21	9	5	36	7	52	25	7	47	0.66	36.1
CW		DM	UT	21		11	11	1	100						100		33	5	40	0.34	.3
CW		DM	3S	79		42	42	4		100						100	40	10	150	0.97	.3

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T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: ELKSTUMP

Date 6/1/2016

Time 1:42:53PM

T13N R06W S18 T00U1

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
13N	06W	18	ELKSTUMP	00U1	88.00	87	286	S	W

T13N R06W S18 T00U1

Spp	S T	So rt	Gr ad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 5-7	8-11	12-15	16+	Log Length 12-20	21-30	31-35	36-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
CW	**Totals**			0		53	53	5	21	79					21	79	37	8	95	0.69	.6
Type Totals					3.7	56,504	54,425	4,789	8	19	22	52	2	6	5	87	30	10	149	1.17	364.1

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Species, Sort Grade - Board Foot Volumes (Type)

Project: ELKSTUMP

Date 6/1/2016

Time 1:42:53PM

T13N R06W S18 T00U2

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
13N	06W	18	ELKSTUMP	00U2	69.00	69	195	S	W

T13N R06W S18 T00U2

Spp	ST	Sort	Grade	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 5-7	8-11	12-15	16+	Log Length 12-20	21-30	31-35	36-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
DF		CU	CU		100.0	25											2	12		0.00	7.9
DF		HA	2S			150	150	10			100					100	40	14	290	1.42	.5
DF		HB	2S	6	2.6	1,476	1,438	99			21	79		10		90	37	16	398	2.07	3.6
DF		HB	3S	1		314	314	22		100						100	37	9	101	0.73	3.1
DF		DM	3P	1	3.8	277	267	18				100	16			84	28	31	1318	11.54	.2
DF		DM	SM	5	1.0	1,235	1,223	84				100				100	40	23	948	4.50	1.3
DF		DM	2S	78	6.9	21,750	20,243	1,397		0	11	89	1	0	3	95	39	19	602	3.23	33.6
DF		DM	3S	5	2.3	1,515	1,481	102		100			3	34	26	37	31	10	100	0.94	14.8
DF		DM	4S	2		332	332	23	92	8			15	29		55	29	6	33	0.31	10.2
DF		DM	UT	1		335	335	23		4		96	100				16	20	297	3.18	1.1
DF		RO	3S	1	2.9	126	122	8						17		83	36	13	216	1.85	.6
DF	**Totals**			57	5.9	27,537	25,906	1,787	1	7	[illegible]	[illegible]	3	[illegible]	4	90	32	14	337	2.25	76.9
WH		CU	CU		100.0	85											3	14		0.00	8.5
WH		HB	2S	34	2.6	4,366	4,254	294				55				100	40	15	343	1.90	12.4
WH		HB	3S	8	1.1	1,071	1,060	73		100					5	95	39	10	152	0.94	7.0
WH		DM	2S	31	6.8	4,195	3,911	[illegible]			41	9	2		4	94	38	15	350	2.08	11.2
WH		DM	3S	18	3.5	2,331	2,248	55	30	[illegible]				2	40	58	36	8	93	0.70	24.2
WH		DM	4S	6		676	[illegible]	[illegible]	94	6			36	25	4	35	23	6	27	0.37	24.9
WH		DM	UT	3		340	340	[illegible]	23		28	49	84			16	17	9	74	1.19	4.6
WH	**Totals**			27	4.4	[illegible]	12,490	862	[illegible]	21	29	38	5	2	9	84	30	10	135	1.10	92.7
RC		CU	CU														4	21		0.00	5.7
RC		DM	3S	97	2.5	4,183	4,077	281	10	17	30	43		4	6	90	36	11	183	1.46	22.2
RC		DM	4S	3		117	[illegible]	8	100				30	70			21	5	22	0.34	5.4
RC	**Totals**			9	2.5	4,300	4,195	289	12	16	29	42	1	6	6	87	28	12	126	1.30	33.4
RA		CU	CU		100.0	10											4	9		0.00	5.7
RA		DM	UT	4		109	109	8	100				42	58			15	5	16	0.29	6.9
RA		DM	1S	6	10.1	174	157	11				100				100	38	17	416	3.00	.4
RA		DM	2S	25	4.8	683	650	45			100			33	11	56	33	13	185	1.56	3.5
RA		DM	3S	31	2.4	848	828	57		100				39	16	45	33	11	130	1.04	6.4
RA		DM	4S	17	1.7	433	426	29		100				11	3	86	34	8	77	0.72	5.5
RA		DM	4S	17	4.2	454	435	30	100				8	31	25	36	31	6	38	0.48	11.5
RA	**Totals**			6	3.9	2,711	2,604	180	21	48	25	6	3	30	13	54	25	8	65	0.77	40.0
SS		DM	2S	21	20.8	90	71	5			100					100	40	13	190	1.67	.4
SS		DM	3S	57	4.5	198	190	13	39	61					37	63	35	8	76	0.57	2.5
SS		DM	4S	22		71	71	5	100					50	50		26	5	29	0.26	2.5
SS	**Totals**			1	7.7	359	332	23	44	35	21			11	32	57	31	7	62	0.55	5.4
Type Totals					5.1	47,972	45,526	3,141	6	14	18	61	3	5	6	86	29	11	183	1.45	248.3

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T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: ELKSTUMP

Page 1
Date 6/1/2016
Time 1:42:53PM

T13N R06W S18 T00U3

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
13N	06W	18	ELKSTUMP	00U3	49.00	49	96	S	W

T13N R06W S18 T00U3

Spp	ST	Sort	Grade	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 5-7	8-11	12-15	16+	Log Length 12-20	21-30	31-35	36-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
DF		CU	CU		100.0	78											4	18		0.00	4.9
DF		HA	2S	4		613	613	30			100					100	40	14	322	1.71	1.9
DF		HB	2S	22	4.8	3,524	3,356	164			40	60				100	39	15	358	1.97	9.4
DF		HB	3S	6	3.4	1,007	972	48		100					11	89	37	10	121	0.80	8.0
DF		DM	SM	2		327	327	16				100				100	40	18	530	2.59	.6
DF		DM	2S	54	5.3	8,642	8,185	401		0	19	81			5	95	39	18	510	2.73	16.0
DF		DM	3S	7	.9	1,010	1,001	49	5	95			10	16	28	47	32	9	90	0.84	11.1
DF		DM	4S	2		245	245	12	91	9			7	93			22	6	29	0.38	8.3
DF		DM	UT	3	6.7	455	425	21				[illegible]	36			64	24	17	308	2.86	1.4
DF	**Totals**			56	4.9	15,902	15,124	741	2	13	[illegible]3	6[illegible]	[illegible]2	3	5	91	32	13	245	1.68	61.7
RA		CU	CU														1	9		0.00	7.7
RA		DM	UT	11		615	615	30	100				40	[illegible]	8	19	21	5	22	0.28	28.5
RA		DM	1S	4	2.2	164	160	8				100				100	40	17	450	2.63	.4
RA		DM	2S	27	4.7	1,489	1,418	69						23	11	66	34	13	193	1.57	7.3
RA		DM	3S	11	2.9	603	585	29		100				21	19	60	34	10	133	1.04	4.4
RA		DM	4S	32	2.3	1,683	1,644	[illegible]		[illegible]				5	5	89	36	8	87	0.75	18.9
RA		DM	4S	15	7.5	798	738	36	100					30	8	61	32	6	44	0.49	16.7
RA	**Totals**			19	3.6	5,350	[illegible]	[illegible]	26	43	27	3	5	19	9	68	27	7	62	0.68	83.9
RC		CU	CU															8		0.00	.7
RC		DM	3S	66	4.5	[illegible]	2,121	104	2	39	27	31		9	2	88	34	11	164	1.38	12.9
RC		DM	4S	34		1,0[illegible]	1,092	53	93	7			16	43	17	24	27	5	30	0.34	35.9
RC	**Totals**			12	3.0	3,313	[illegible]213	157	33	28	18	21	6	21	7	66	28	7	65	0.67	49.6
WH		CU	CU		100.0	93											5	12		0.00	3.2
WH		HB	2S	16	1.0	582	576	28			55	45				100	40	14	288	1.74	2.0
WH		HB	3S	7		219	219	11		100						100	40	11	180	1.12	1.2
WH		DM	2S	49	5.9	1,774	1,670	82			25	75			14	86	37	15	314	2.01	5.3
WH		DM	3S	20	8.2	737	676	33	18	82					39	61	35	9	90	0.76	7.5
WH		DM	4S	8		250	250	12	80	20			54	7	39		21	6	27	0.37	9.3
WH	**Totals**			13	7.2	3,654	3,391	166	9	24	22	44	4	0	17	78	28	10	119	1.07	28.5
Type Totals					4.7	28,218	26,887	1,317	11	22	23	44	3	8	8	82	29	9	120	1.04	223.6

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T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: ELKSTUMP

Date 6/1/2016

Time 1:42:53PM

T13N R06W S18 T00U4 **T13N R06W S18 T00U4**

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
13N	06W	18	ELKSTUMP	00U4	1.00	4	10	S	W

Spp	ST	Sort	Grad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 5-7	8-11	12-15	16+	Log Length 12-20	21-30	31-35	36-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
DF		DM	2S	82	3.8	25,026	24,072	24			27	73				100	40	17	464	2.47	51.8
DF		DM	3S	13	7.5	4,368	4,042	4		100				23	32	45	34	9	87	0.78	46.4
DF		DM	4S	5		1,230	1,230	1	100				13	20	67		21	6	30	0.29	41.0
DF	**Totals**			95	4.2	30,624	29,344	29	4	14	22	60	1	4	7	88	32	11	211	1.47	139.2
RC		DM	4S	100		861	861	1	100							100	39	5	40	0.34	21.5
RC	**Totals**			3		861	861	1	100							100	39	5	40	0.34	21.5
RA		DM	2S	85	7.7	684	631	1			10					100	36	14	240	1.98	2.6
RA		DM	4S	15		105	105	0	100					100			30	6	40	0.63	2.6
RA	**Totals**			2	6.7	789	737	1	14					14		86	33	10	140	1.37	5.3
Type Totals					4.1	32,274	30,941	31	7	13	23	[illegible]	1	[illegible]	7	88	33	10	186	1.29	166.0

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TC TSTATS

STATISTICS

PROJECT ELKSTUMP

DATE 6/1/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
13N	06W	18	ELKSTUMP	00U1	88.00	87	567	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	87	567	6.5		
CRUISE	44	285	6.5	13,566	2.1
DBH COUNT					
REFOREST COUNT	42	281	6.7		
BLANKS	1				
100 %					

STAND SUMMARY

	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
DOUG FIR	129	42.0	26.6	110	31.4	162.[illegible]	37,548	36,192	7,761	7,743
WHEMLOCK	61	40.5	16.9	80	15.4	63.[illegible]	11,608	11,178	2,651	2,619
R ALDER	63	47.3	14.6	59	14.4	55.2	5,544	5,306	1,608	1,584
WR CEDAR	31	24.1	13.6	51	6.6	24.[illegible]	752	1,696	606	606
COTWOOD	1	.3	16.0	75	0.1	[illegible]	[illegible]	53	14	14
TOTAL	*285*	*154.2*	*19.1*	*77*	*69.9*	*305.[illegible]*	*56,504*	*54,425*	*12,639*	*12,566*

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF TREES REQ. 5	7	INF. POP. 10
SAMPLE TREES - [illegible]								
DOUG FIR	51.0	4.5	9[illegible]	1,046	1,09[illegible]			
WHEMLOCK	72.6	9.4	453	500	[illegible]46			
R ALDER	56.6	7.1	126	136	146			
WR CEDAR	91.1	[illegible]	[illegible]	[illegible]	142			
COTWOOD								
TOTAL	*91.2*	[illegible]*4*	*591*	*625*	*659*	*332*	*169*	*83*

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF TREES REQ. 5	7	INF. POP. 10
SA[illegible]LE TREES - CF								
DOUG FIR	42.0	3.7	[illegible]10	218	226			
WHEMLOCK	63.6	8.2	103	113	122			
R ALDER	54.5	6.9	38	41	44			
WR CEDAR	81.4	14.6	37	43	50			
COTWOOD								
TOTAL	*77.6*	*4.6*	*131*	*137*	*143*	*240*	*123*	*60*

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	7	INF. POP. 10
TREES/ACRE								
DOUG FIR	78.2	8.4	39	42	46			
WHEMLOCK	147.7	15.8	34	41	47			
R ALDER	116.8	12.5	41	47	53			
WR CEDAR	154.7	16.6	20	24	28			
COTWOOD	932.7	99.9	0	0	1			
TOTAL	*51.4*	*5.5*	*146*	*154*	*163*	*106*	*54*	*26*

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	7	INF. POP. 10
BASAL AREA/ACRE								
DOUG FIR	74.6	8.0	149	162	175			
WHEMLOCK	140.8	15.1	54	63	73			
R ALDER	112.9	12.1	49	55	62			
WR CEDAR	136.0	14.6	21	24	28			
COTWOOD	932.7	99.9	0	0	1			
TOTAL	*42.3*	*4.5*	*291*	*305*	*319*	*71*	*36*	*18*

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PROJECT ELKSTUMP

DATE 6/1/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
13N	06W	18	ELKSTUMP	00U1	88.00	87	567	S	W

CL: 68.1 %	COEFF		NET BF/ACRE			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.	S.E.%	LOW	AVG	HIGH	5	7	10

CL: 68.1 %	COEFF		NET BF/ACRE			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
DOUG FIR	77.0	8.2	33,207	36,192	39,178			
WHEMLOCK	151.8	16.3	9,360	11,178	12,995			
R ALDER	114.2	12.2	4,657	5,306	5,955			
WR CEDAR	139.6	15.0	1,442	1,696	1,949			
COTWOOD	932.7	99.9	0	53	105			
TOTAL	*53.1*	*5.7*	*51,329*	*54,425*	*57,520*	*113*	*57*	*28*

CL: 68.1 %	COEFF		NET CUFT FT/ACRE			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
DOUG FIR	76.0	8.1	7,113	7,743	8,374			
WHEMLOCK	147.8	15.8	2,204	2,619	3,033			
R ALDER	113.6	12.2	1,391	1,584	1,777			
WR CEDAR	134.7	14.4	518	606	693			
COTWOOD	932.7	99.9	0	14	28			
TOTAL	*48.7*	*5.2*	*11,909*	*12,566*	*13,222*	*95*	*48*	*24*

CL: 68.1 %	COEFF		V-BAR/ACRE			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
DOUG FIR			205	223	242			
WHEMLOCK	111.1	11.9	148	177	206			
R ALDER	38.7	4.1	84	96	108			
WR CEDAR	66.4	7.1	59					
COTWOOD	932.7	99.9	0		272			
TOTAL	*193.2*	*20.7*	*168*	*178*	*188*	*1,491*	*761*	*373*

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PROJECT ELKSTUMP

PAGE 1
DATE 6/1/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
13N	06W	18	ELKSTUMP	00U2	69.00	69	411	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	69	411	6.0		
CRUISE	36	195	5.4	6,633	2.9
DBH COUNT					
REFOREST					
COUNT	32	205	6.4		
BLANKS	1				
100 %					

STAND SUMMARY

	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
DOUG FIR	78	25.5	28.9	105	21.6	116.3	27,537	25,906	5,538	5,532
WHEMLOCK	58	35.0	19.5	87	16.5	72.8	13,065	12,490	3,023	3,008
WR CEDAR	22	15.2	21.8	70	8.4	39.[illegible]	4,300	4,195	1,216	1,216
R ALDER	34	18.0	16.3	61	6.5	26.[illegible]	2,711	2,604	787	784
S SPRUCE	3	2.5	13.4	76	0.7	2.4	359	332	91	92
TOTAL	*195*	*96.1*	*22.1*	*84*	*54.6*	[illegible]256	[illegible]972	*45,526*	*10,655*	*10,631*

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ER[illegible]

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF TREES REQ. 5	7	INF. POP. 10
SAMPLE TRE[illegible] - BF								
DOUG FIR	48.7	5.5	1,461	1,[illegible]	[illegible],632			
WHEMLOCK	64.6	8.6	494	540	587			
WR CEDAR	62.4	13.6	36[illegible]	426	48[illegible]			
R ALDER	57.0	9.8	161	178	[illegible]			
S SPRUCE	77.8	53.8	83	180	277			
TOTAL	*90.2*	[illegible]	[illegible]	[illegible]9	*915*	*325*	*166*	*81*

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF TREES REQ. 5	7	INF. POP. 10
SA[illegible]LE TREES - CF								
DOUG FIR	43.9	[illegible]	307	323	340			
WHEMLOCK	56.8	7.5	[illegible]	126	135			
WR CEDAR	60.0	13.1	[illegible]6	121	137			
R ALDER	56.9	9.8	48	54	59			
S SPRUCE	84.9	58.8	21	51	81			
TOTAL	*79.3*	*5.7*	*179*	*190*	*201*	*251*	*128*	*63*

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	7	INF. POP. 10
TREES/ACRE								
DOUG FIR	90.9	10.9	23	26	28			
WHEMLOCK	122.7	14.8	30	35	40			
WR CEDAR	172.1	20.7	12	15	18			
R ALDER	156.9	18.9	15	18	21			
S SPRUCE	448.5	53.9	1	2	4			
TOTAL	*53.2*	*6.4*	*90*	*96*	*102*	*113*	*58*	*28*

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	7	INF. POP. 10
BASAL AREA/ACRE								
DOUG FIR	73.1	8.8	106	116	127			
WHEMLOCK	118.9	14.3	62	73	83			
WR CEDAR	170.2	20.5	31	39	47			
R ALDER	148.9	17.9	21	26	31			
S SPRUCE	414.3	49.8	1	2	4			
TOTAL	*44.3*	*5.3*	*243*	*257*	*271*	*78*	*40*	*20*

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	7	INF. POP. 10
NET BF/ACRE								
DOUG FIR	73.7	8.9	23,609	25,906	28,203			
WHEMLOCK	124.3	15.0	10,622	12,490	14,358			

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PROJECT ELKSTUMP

DATE 6/1/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
13N	06W	18	ELKSTUMP	00U2	69.00	69	411	S	W

CL: 68.1 %	COEFF		NET BF/ACRE			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.	S.E.%	LOW	AVG	HIGH	5	7	10
WR CEDAR	172.2	20.7	3,326	4,195	5,063			
R ALDER	151.9	18.3	2,128	2,604	3,080			
S SPRUCE	416.6	50.1	165	332	498			
TOTAL	*46.9*	*5.6*	*42,957*	*45,526*	*48,095*	*88*	*45*	*22*

CL: 68.1 %	COEFF		NET CUFT FT/ACRE			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
DOUG FIR	73.5	8.8	5,043	5,532	6,020			
WHEMLOCK	121.9	14.7	2,567	3,008	3,449			
WR CEDAR	169.9	20.4	968	1,216	1,465			
R ALDER	149.3	18.0	643	784	924			
S SPRUCE	419.9	50.5	45	92	138			
TOTAL	*45.3*	*5.4*	*10,052*	*10,631*	*11,211*	*82*	*42*	*20*

CL: 68.1 %	COEFF		V-BAR/ACRE			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
DOUG FIR			203	223	242			
WHEMLOCK	69.9	8.4	146	172	[illegible]			
WR CEDAR	14.9	1.8	85	107	129			
R ALDER	77.5	9.3	81	100	[illegible]			
S SPRUCE	393.1	47.3	68	136	[illegible]			
TOTAL	*204.3*	*24.6*	*167*	*177*	*187*	*1,667*	*850*	*417*

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PROJECT ELKSTUMP

DATE 6/1/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
13N	06W	18	ELKSTUMP	00U3	49.00	49	234	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	49	234	4.8		
CRUISE	23	96	4.2	5,328	1.8
DBH COUNT					
REFOREST					
COUNT	21	138	6.6		
BLANKS	5				
100 %					

STAND SUMMARY

	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
DOUG FIR	32	19.5	26.2	105	14.2	72.8	15,902	15,124	3,349	3,329
R ALDER	39	41.0	15.1	60	13.2	51.2	5,350	5,159	1,532	1,532
WR CEDAR	13	37.5	13.2	50	9.8	35.4	3,313	3,213	942	942
WHEMLOCK	12	10.7	19.8	81	5.2	23.[illegible]	3,654	3,391	876	856
TOTAL	*96*	*108.7*	*17.5*	*67*	*43.6*	*182.5*	*28,218*	*26,887*	*6,699*	*6,658*

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMP[illegible]POR

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	SAMPLE TREES LOW	AVG	HIGH	# OF TREES REQ. 5	7	INF. POP. 10
DOUG FIR	47.9	8.5	871	[illegible]	[illegible]			
R ALDER	58.6	9.4	144	[illegible]	174			
WR CEDAR	153.0	44.1	130	233	336			
WHEMLOCK	58.9	17.7	35[illegible]	428	504			
TOTAL	*100.6*	*10.3*	*419*	*467*	[illegible]	*404*	*206*	*101*

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	SAMPLE TREES - CF LOW	AVG	HIGH	# OF TREES REQ. 5	7	INF. POP. 10
DOUG FIR	42.6	[illegible]7.5	19[illegible]	20[illegible]	221			
R ALDER	53.4	[illegible]	43	47	51			
WR CEDAR	125.0	3[illegible]	40	63	85			
WHEMLOCK	51.8	15.6	[illegible]	105	122			
TOTAL	*86.4*	*8.8*	[illegible]*0*	*109*	*119*	*298*	*152*	*74*

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	TREES/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	7	INF. POP. 10
DOUG FIR	142.1	20.3	16	20	23			
R ALDER	113.7	16.2	34	41	48			
WR CEDAR	266.6	38.1	23	38	52			
WHEMLOCK	234.4	33.5	7	11	14			
TOTAL	*103.4*	*14.8*	*93*	*109*	*125*	*427*	*218*	*107*

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	BASAL AREA/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	7	INF. POP. 10
DOUG FIR	134.3	19.2	59	73	87			
R ALDER	107.9	15.4	43	51	59			
WR CEDAR	254.4	36.3	23	35	48			
WHEMLOCK	221.0	31.5	16	23	30			
TOTAL	*81.4*	*11.6*	*161*	*182*	*204*	*265*	*135*	*66*

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	NET BF/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	7	INF. POP. 10
DOUG FIR	133.9	19.1	12,234	15,124	18,014			
R ALDER	108.0	15.4	4,364	5,159	5,955			
WR CEDAR	255.4	36.5	2,042	3,213	4,384			
WHEMLOCK	223.4	31.9	2,309	3,391	4,472			
TOTAL	*87.8*	*12.5*	*23,515*	*26,887*	*30,258*	*308*	*157*	*77*

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PROJECT **ELKSTUMP**

DATE 6/1/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
13N	**06W**	**18**	**ELKSTUMP**	**00U3**	49.00	49	234	S	W

CL: 68.1 %	COEFF		**NET CUFT FT/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.	S.E.%	LOW	AVG	HIGH	5	7	10

CL: 68.1 %	COEFF		**NET CUFT FT/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
DOUG FIR	134.0	19.1	2,692	3,329	3,966			
R ALDER	107.8	15.4	1,296	1,532	1,767			
WR CEDAR	254.2	36.3	600	942	1,284			
WHEMLOCK	222.3	31.7	584	856	1,127			
TOTAL	*83.7*	*11.9*	*5,863*	*6,658*	*7,453*	*279*	*143*	*70*

CL: 68.1 %	COEFF		**V-BAR/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
DOUG FIR			168	208	247			
R ALDER			85	101	116			
WR CEDAR			58	91	124			
WHEMLOCK	165.4	23.6	100	147	195			
TOTAL	*284.3*	*40.6*	*129*	*147*	*166*	*3,227*	*1,646*	*807*

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PROJECT ELKSTUMP

DATE 6/1/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
13N	06W	18	ELKSTUMP	00U4	1.00	4	18	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	4	18	4.5		
CRUISE	2	10	5.0	71	14.2
DBH COUNT					
REFOREST					
COUNT	2	8	4.0		
BLANKS					
100 %					

STAND SUMMARY

	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
DOUG FIR	8	46.4	23.6	101	29.0	140.8	30,624	29,344	6,575	6,575
WR CEDAR	1	21.5	10.0	62	3.7	11.7	861	861	286	286
R ALDER	1	2.6	22.0	68	1.5	6.9	789	737	237	237
TOTAL	*10*	*70.6*	*20.4*	*88*	*35.4*	*159.5*	*32,274*	*30,941*	*7,098*	*7,098*

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR

CL: 68.1 %	COEFF		**SAMPLE TREES - BF**			TREES REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
DOUG FIR	65.5	24.7	734	97[illegible]	[illegible]			
WR CEDAR								
R ALDER								
TOTAL	*81.6*	*27.1*	*592*	*812*	*1,032*	*295*	*150*	*74*

CL: 68.1 %	COEFF		**SAMPLE TREES**			# OF TREES REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
DOUG FIR	57.0	21.[illegible]	[illegible]65	210	255			
WR CEDAR								
R ALDER								
TOTAL	*70.8*	[illegible]	*136*	*178*	*220*	*222*	*113*	*55*

CL: 68.1 %	COEFF		**TREES/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
DOUG FIR	77.9	44.5	26	46	67			
WR CEDAR	200.0	114.3		22	46			
R ALDER	200.0	114.3		3	6			
TOTAL	*76.0*	*43.4*	*40*	*71*	*101*	*302*	*154*	*75*

CL: 68.1 %	COEFF		**BASAL AREA/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
DOUG FIR	66.7	38.1	87	141	194			
WR CEDAR	200.0	114.3		12	25			
R ALDER	200.0	114.3		7	15			
TOTAL	*67.8*	*38.7*	*98*	*160*	*221*	*240*	*122*	*60*

CL: 68.1 %	COEFF		**NET BF/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
DOUG FIR	67.1	38.4	18,088	29,344	40,600			
WR CEDAR	200.0	114.3		861	1,844			
R ALDER	200.0	114.3		737	1,578			
TOTAL	*67.3*	*38.5*	*19,036*	*30,941*	*42,846*	*237*	*121*	*59*

CL: 68.1 %	COEFF		**NET CUFT FT/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
DOUG FIR	66.8	38.2	4,066	6,575	9,084			
WR CEDAR	200.0	114.3		286	613			
R ALDER	200.0	114.3		237	508			
TOTAL	*67.2*	*38.4*	*4,372*	*7,098*	*9,823*	*236*	*120*	*59*

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PROJECT **ELKSTUMP**

DATE 6/1/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
13N	**06W**	**18**	**ELKSTUMP**	**00U4**	1.00	4	18	S	W

CL:	68.1 %	COEFF		**V-BAR/ACRE**			# OF PLOTS REQ.		INF. POP.
SD:	1.0	VAR.	S.E.%	LOW	AVG	HIGH	5	7	10

CL:	68.1 %	COEFF		**V-BAR/ACRE**			# OF PLOTS REQ.		INF. POP.
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
DOUG FIR				128	208	288			
WR CEDAR		200.0	114.3		73	157			
R ALDER		200.0	114.3		106	227			
TOTAL		*155.8*	*89.0*	*119*	*194*	*269*	*1,267*	*647*	*317*

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TC PSPCTLTCM

Species Summary - Trees, Logs, Tons, CCF, MBF

T13N R06W S18 Ty00U	88.0
T13N R06W S18 Ty00U	69.0
T13N R06W S18 Ty00U	1.0

Project ELKSTUMP
Acres 207.00

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Species	S T	Total Trees	Total Logs	Total Tons	Net Cubic Ft/ Tree	Net Cubic Ft/ Log	CF/ LF	Total CCF Gross	Total CCF Net	Total MBF Gross	Total MBF Net
DOUG FIR		6,461	18,590	35,219	190.80	66.31	1.88	12,358	12,328	6,014	5,743
WHEMLOCK		6,507	14,305	15,513	73.76	33.55	1.05	4,848	4,799	2,102	2,012
R ALDER		7,411	13,308	7,454	36.27	20.20	0.70	2,710	2,688	938	900
WR CEDAR		5,022	7,243	4,315	36.57	25.36	0.86	1,836	1,837	614	597
S SPRUCE		172	370	164	36.84	17.13	0.55	63	63	25	23
COTWOOD		24	49	30	50.08	25.04	0.68	12	12	5	5
Totals		25,598	53,865	62,696	84.88	40.34	1.26	21,828	21,727	9,697	9,279

Wood Type Species	Total Trees	Total Logs	Total Tons	Net Cubic Ft/ Tree	Net Cubic Ft/ Log	CF/ LF	Total CCF Gross	Total CCF Net	Total MBF Gross	Total MBF Net
C	18,162	40,508	55,212	104.76	[illegible]	[illegible]42	19,105	19,027	8,755	8,374
H	7,436	13,357	7,484	36.31	[illegible]1	[illegible]	2,723	2,700	943	905
Totals	25,598	53,865	62,696	84.88	40.[illegible]	1.26	21,828	21,727	9,697	9,279

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Log Stock Table - MBF

T13N R06W S18 Ty00U1
THRU
T13N R06W S18 Ty00U4

Project: ELKSTUMP
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Date 6/1/2016
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Spp	ST	Sort	Grade	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
RA		DM	UT	8	2		2	.2		2										
RA		DM	UT	10	1		1	.1		1										
RA		DM	UT	11	3		3	.3		2	1									
RA		DM	UT	12	1		1	.1		1										
RA		DM	UT	13	0		0	.1		0										
RA		DM	UT	14	2		2	.2		2										
RA		DM	UT	15	1		1	.1		1										
RA		DM	UT	16	8		8	.9			1		4		2					
RA		DM	UT	17	4		4	.4		4										
RA		DM	UT	18	8		8	.9		8										
RA		DM	UT	19	3		3	.4		2										
RA		DM	UT	20	6		6	.6		6										
RA		DM	UT	21	1		1	.1		1										
RA		DM	UT	22	6		6	.7		6										
RA		DM	UT	23	4		4	.5												
RA		DM	UT	24	7		7	.8		6										
RA		DM	UT	25	2		2	.2		2										
RA		DM	UT	26	8		8	.9		8										
RA		DM	UT	27	6		6	.6		6										
RA		DM	UT	28	2		2	.2		2										
RA		DM	UT	29	1		1	.1		1										
RA		DM	UT	30	2		2	.2		2										
RA		DM	UT	31	1		1	.1		1										
RA		DM	UT	34	1		1	.1		1										
RA		DM	UT	35	2		2	.2		2										
RA		DM	UT	40	12		12	1.3		6	6									
RA		DM	1S	36	14	9.6	13	1.4								13				
RA		DM	1S	40	14	3.4	13	1.5								13				
RA		DM	2S	24	10	7.5	9	1.0						9						
RA		DM	2S	28	5		5	.5						5						
RA		DM	2S	30	22	1.5	22	2.4						11	11					
RA		DM	2S	32	13		13	1.4						5	7					
RA		DM	2S	36	84	6.5	79	8.7						58	21					
RA		DM	2S	40	50	3.3	49	5.4						23	26					
RA		DM	3S	18	5	12.5	4	.5					4							
RA		DM	3S	24	4		4	.4					4							

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Log Stock Table - MBF

T13N R06W S18 Ty00U1
THRU
T13N R06W S18 Ty00U4

Project: ELKSTUMP
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Date 6/1/2016
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Spp	ST	Sort	Grade	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
RA		DM	3S	26	11		11	1.3					11							
RA		DM	3S	30	41		40	4.5					40							
RA		DM	3S	32	28	2.6	27	3.0					27							
RA		DM	3S	36	49	5.2	47	5.2					47							
RA		DM	3S	40	49	2.0	48	5.3					48							
RA		DM	4S	24	9		9	1.0				9								
RA		DM	4S	27	1		1	.1				1								
RA		DM	4S	30	40	4.6	38	4.2				38								
RA		DM	4S	31	1		1	.1				1								
RA		DM	4S	32	11	6.1	11	1.2												
RA		DM	4S	36	118	1.9	116	12.9				116								
RA		DM	4S	40	110	3.4	106	11.8												
RA		DM	4S	16	1		1	.2		1										
RA		DM	4S	17	1		1	.1			1									
RA		DM	4S	20	2		2	.2												
RA		DM	4S	21	4		4	.5		3	1									
RA		DM	4S	22	1		1	.1			1									
RA		DM	4S	23	2		2	.3		2										
RA		DM	4S	24	3		3	.3		1	2									
RA		DM	4S	25	7		7	.7		7										
RA		DM	4S	26	4		4	.4		3	1									
RA		DM	4S	27	2		2	.2			2									
RA		DM	4S	28	4		4	.4		1	3									
RA		DM	4S	29	3		3	.3		3										
RA		DM	4S	30	12	2.7	12	1.3		1	11									
RA		DM	4S	31	7		7	.7		7										
RA		DM	4S	33	4	8.9	4	.4		3	1									
RA		DM	4S	34	6	7.2	6	.6		4	1									
RA		DM	4S	35	4		4	.4		2	2									
RA		DM	4S	36	41	11.9	37	4.1		3	34									
RA		DM	4S	38	2		2	.2		2										
RA		DM	4S	39	2		2	.2			2									
RA		DM	4S	40	38	1.3	37	4.1		12	25									
RA		Totals			938	4.0	900	9.7		133	96	274	193	111	67	26				
RC		DM	3S	18	3		3	.6					3							
RC		DM	3S	24	13		13	2.2			1	3		9						
RC		DM	3S	26	2		2	.3						2						

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Log Stock Table - MBF

T13N R06W S18 Ty00U1
THRU
T13N R06W S18 Ty00U4

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Date 6/1/2016
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Spp	ST	So Grt de	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
RC		DM 3S	28	11	10.0	10	1.6					10							
RC		DM 3S	30	17		17	2.8			2		15							
RC		DM 3S	32	15	19.5	12	2.0				4						8		
RC		DM 3S	33	5		5	.8			3		2							
RC		DM 3S	34	1		1	.2			1									
RC		DM 3S	35	6		6	1.0			4	2								
RC		DM 3S	36	338	3.6	325	54.5			17	53	21	51	78	46	40	19		
RC		DM 3S	39	5		5	.9			3	3								
RC		DM 3S	40	77	1.3	76	12.8			14	7				54				
RC		DM 4S	9	1		1	.1					1							
RC		DM 4S	11	1		1	.1		1										
RC		DM 4S	13	1		1	.2		1										
RC		DM 4S	16	5		5	.8		2		3								
RC		DM 4S	17	1		1	.2			1									
RC		DM 4S	18	1		1	.2												
RC		DM 4S	19	4		4	.6		4										
RC		DM 4S	20	1		1	.2		1										
RC		DM 4S	21	5		5	.8		2	3									
RC		DM 4S	22	4		4	.6		4										
RC		DM 4S	23	10		10	[illegible]		10										
RC		DM 4S	24	17		17	[illegible]		[illegible]	1									
RC		DM 4S	25	1		1	.2		1										
RC		DM 4S	26	1		1	.2		1										
RC		DM 4S	27	9		9	[illegible]		9										
RC		DM 4S	28	1		[illegible]	[illegible]				1								
RC		DM 4S	29	5		5	.8		5										
RC		DM 4S	30	6		6	1.1		6										
RC		DM 4S	32	9		9	1.5		9										
RC		DM 4S	36	7		7	1.1		7										
RC		DM 4S	37	9		9	1.6		9										
RC		DM 4S	39	1		1	.1		1										
RC		DM 4S	40	6		6	1.1		6										
RC		DM UT	8	1		1	.1		1										
RC		DM UT	26	4		4	.6		4										
RC		DM UT	35	5		5	.8		5										
RC		DM UT	40	4		4	.7						4						
RC		Totals		614	2.8	597	6.4		107	50	77	52	66	78	101	40	27		

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Log Stock Table - MBF

T13N R06W S18 Ty00U1
THRU
T13N R06W S18 Ty00U4

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Date 6/1/2016
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Spp	ST	Sort	Grade	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
WH		HA	2S	40	71		71	3.5						47	25					
WH		HA	3S	40	17		17	.9				17								
WH		HB	2S	32	16	2.2	15	.8						5		11				
WH		HB	2S	36	47	1.5	46	2.3						11	11	24				
WH		HB	2S	40	533	2.4	520	25.9						93	175	239	13			
WH		HB	3S	32	14		14	.7				5	9							
WH		HB	3S	36	21		21	1.0				5	15							
WH		HB	3S	40	160	1.5	158	7.8			4	14	120							
WH		DM	SM	40	86	1.1	85	4.2								41	44			
WH		DM	2S	13	1		1	.0						1						
WH		DM	2S	15	1		1	.0												
WH		DM	2S	18	5	8.8	5	.2									5			
WH		DM	2S	32	29	7.1	27	1.3						16				11		
WH		DM	2S	36	49	9.2	44	2.2						27		17				
WH		DM	2S	40	494	6.4	462	23.0						66	75	189	120	12		
WH		DM	3S	18	3		3	.1					3							
WH		DM	3S	20	1		1					1								
WH		DM	3S	21	1		1	.1				1								
WH		DM	3S	24	2		2	.1					2							
WH		DM	3S	25	1		1	.1				1								
WH		DM	3S	29	1		1				1									
WH		DM	3S	30	2		2	.1			2									
WH		DM	3S	31	5		5	.3			1	4								
WH		DM	3S	32	87	8.3	80	4.0			11	15	54							
WH		DM	3S	33	4		4	.2			2		2							
WH		DM	3S	34	2		2	.1				2								
WH		DM	3S	35	3		3	.2				3								
WH		DM	3S	36	77	2.0	76	3.8			21	25	29							
WH		DM	3S	40	147	1.8	144	7.2			56	21	67							
WH		DM	4S	9	0		0	.0			0									
WH		DM	4S	10	1		1	.0			0	1								
WH		DM	4S	11	2		2	.1		1	1									
WH		DM	4S	13	2		2	.1		1	1	1								
WH		DM	4S	14	2		2	.1			1	1								

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Log Stock Table - MBF

T13N R06W S18 Ty00U1
THRU
T13N R06W S18 Ty00U4

Project: ELKSTUMP
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Date 6/1/2016
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Spp	St	Sort	Grade	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
WH		DM	4S	15	5		5	.3		1	3	1								
WH		DM	4S	16	3		3	.2		2		1								
WH		DM	4S	17	8		8	.4		4	3	2								
WH		DM	4S	18	5		5	.2		2	2	1								
WH		DM	4S	19	4		4	.2			4									
WH		DM	4S	20	5		5	.3		1	3	1								
WH		DM	4S	21	6		6	.3		2	4									
WH		DM	4S	22	7		7	.4		2	5									
WH		DM	4S	23	3		3	.1		1	1									
WH		DM	4S	24	6		6	.3			2	3	1							
WH		DM	4S	25	3		3	.2			[illegible]									
WH		DM	4S	26	1		1	.1												
WH		DM	4S	27	6		6	.3		3	[illegible]									
WH		DM	4S	29	2		2	.1		2										
WH		DM	4S	31	18		18	.9		16	2									
WH		DM	4S	32	13		13	.6												
WH		DM	4S	34	2		2	.1		2										
WH		DM	4S	35	2		2	.1		2										
WH		DM	4S	36	4		4	.2		4										
WH		DM	4S	37	2		2	.1		2										
WH		DM	4S	40	19		19	[illegible]		19										
WH		DM	UT	8	2		2	.1		2										
WH		DM	UT	13	1		1	.1			1									
WH		DM	UT	16	6		6	[illegible]								6				
WH		DM	UT	20	13		[illegible]	[illegible]		1				7			6			
WH		DM	UT	24	11		11	.5										11		
WH		DM	UT	32	3		3	.1		3										
WH		DM	UT	40	30		30	1.5			4				10	15				
WH		Totals			2,102	4.3	2,012	21.7		89	144	144	303	273	295	542	188	34		
DF		HA	2S	40	83		82	1.4							82					
DF		HA	3S	40	12		12	.2					12							
DF		HB	2S	24	10	3.6	10	.2								10				
DF		HB	2S	32	17		17	.3							17					
DF		HB	2S	36	52	3.0	50	.9						6	16	27				
DF		HB	2S	40	1,195	2.9	1,160	20.2						124	202	487	291	55		

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Log Stock Table - MBF

T13N R06W S18 Ty00U1
THRU
T13N R06W S18 Ty00U4

Project: ELKSTUMP
Acres 207.00

Date 6/1/2016
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Spp	ST	Sort	Grade	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
DF		HB	3S	32	10		10	.2				5	5							
DF		HB	3S	36	43	2.8	42	.7				24	18							
DF		HB	3S	40	124	1.8	121	2.1				44	77							
DF		DM	3P	16	4	20.0	3	.1										3		
DF		DM	3P	40	36		36	.6										20	16	
DF		DM	SM	40	269		267	4.7								109	95	64		
DF		DM	2S	16	7	14.3	6	.1									6			
DF		DM	2S	20	11	8.4	10	.2							1			9		
DF		DM	2S	26	2		2	.0						2						
DF		DM	2S	28	12	7.0	11	.2										11		
DF		DM	2S	30	2		2	.0							2					
DF		DM	2S	31	7		7	.1					4							
DF		DM	2S	32	81	4.3	77	1.3						13	13	25	15	12		
DF		DM	2S	33	2		2	.0						2						
DF		DM	2S	34	23	4.0	22	.4						8			14			
DF		DM	2S	35	2		2	.0						2						
DF		DM	2S	36	65	5.3	62	1.1						16	5	28	13			
DF		DM	2S	40	3,355	5.7	[illegible]	55.1						161	336	905	967	671	122	
DF		DM	3S	16	3		3	[illegible]					3							
DF		DM	3S	19	5		5	.1				2	3							
DF		DM	3S	20	2		2	.0				1	1							
DF		DM	3S	21	2		2	[illegible]					2							
DF		DM	3S	22	7		[illegible]	.1				5	3							
DF		DM	3S	23	3	6.4	2	.0				1	1							
DF		DM	3S	24	1		1	.0				1								
DF		DM	3S	25	3		3	.0				3								
DF		DM	3S	26	7		7	.1				6	2							
DF		DM	3S	27	10		10	.2				7	3							
DF		DM	3S	28	9		9	.2				7	2							
DF		DM	3S	29	16		16	.3			2	8	7							
DF		DM	3S	30	21		21	.4				11	10							
DF		DM	3S	31	13		13	.2			2		11							
DF		DM	3S	32	38	8.3	35	.6				15	20							
DF		DM	3S	33	17	1.8	17	.3				6	11							
DF		DM	3S	34	18	1.9	17	.3			7		11							

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TC PLOGSTVB

Log Stock Table - MBF

T13N R06W S18 Ty00U1
THRU
T13N R06W S18 Ty00U4

Project: ELKSTUMP
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Date 6/1/2016
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Spp	ST	Sort	Grade	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
DF		DM	3S	35	25		25	.4			4	14	7							
DF		DM	3S	36	10		10	.2			5		5							
DF		DM	3S	37	15		15	.3				10	4							
DF		DM	3S	38	5		5	.1			2	2								
DF		DM	3S	39	13	1.4	13	.2				3	10							
DF		DM	3S	40	170	2.2	167	2.9			4	56	108							
DF		DM	4S	8	0		0	.0			0									
DF		DM	4S	9	0		0	.0		0										
DF		DM	4S	10	0		0	.0			0									
DF		DM	4S	11	1		1	.0			1									
DF		DM	4S	12	1		1	.0					1							
DF		DM	4S	13	1		1	.0												
DF		DM	4S	14	3		3	.0			1	2								
DF		DM	4S	15	1		1	.0			1									
DF		DM	4S	17	4		4	.1				3								
DF		DM	4S	18	2		2	.0				1								
DF		DM	4S	19	1		1	.0												
DF		DM	4S	20	6		6	.1			5	1								
DF		DM	4S	21	9		9	.2		1		4								
DF		DM	4S	22	8		8	.1		3	5	1								
DF		DM	4S	23	4		4	[illegible]			3	1								
DF		DM	4S	24	6		6	.1			5	1								
DF		DM	4S	25	2		2	.0			2									
DF		DM	4S	26	5		5	[illegible]			5									
DF		DM	4S	27	2		[illegible]	.0			2									
DF		DM	4S	29	3		3	.1		3										
DF		DM	4S	30	4		4	.1		1	3									
DF		DM	4S	32	1		1	.0			1									
DF		DM	4S	40	20		20	.3		16	4									
DF		DM	UT	14	15		15	.3										15		
DF		DM	UT	15	1		1	.0					1							
DF		DM	UT	16	35		35	.6					1			21	6	8		
DF		DM	UT	26	2		2	.0		2										
DF		DM	UT	40	15	10.0	13	.2									13			
DF		RO	3S	21	1		1	.0								1				
DF		RO	3S	39	2		2	.0						2						

Draft

TC PLOGSTVB

Log Stock Table - MBF

T13N R06W S18 Ty00U1
THRU
T13N R06W S18 Ty00U4

Project: ELKSTUMP
Acres 207.00

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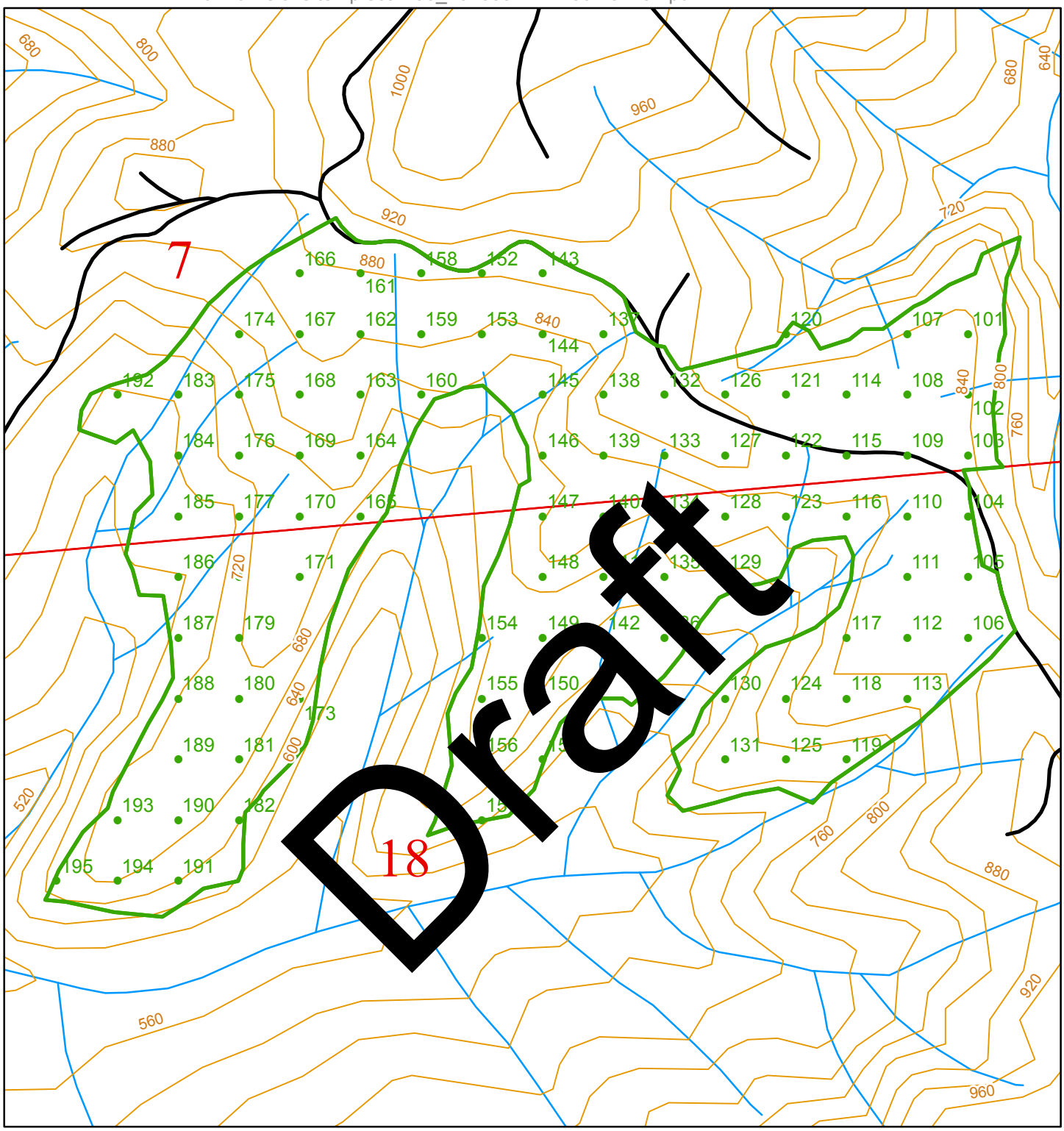
Date 6/1/2016
Time 1:42:54PM

Spp	ST	Sort	Grade	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
DF		RO	3S	40	5	5.0	5	.1						5						
DF		Totals			6,014	4.5	5,743	61.9		26	71	245	342	345	674	1613	1421	867	138	
SS		DM	2S	40	6	20.8	5	21.4						5						
SS		DM	3S	32	5	11.1	5	21.3				5								
SS		DM	3S	36	5		5	22.3			5									
SS		DM	3S	40	3		3	13.5				3								
SS		DM	4S	22	2		2	10.8		2	1									
SS		DM	4S	33	2		2	10.7		2										
SS		Totals			25	7.7	23	.2		4	6			5						
CW		DM	UT	33	1		1	21.1		1										
CW		DM	3S	40	4		4	78.9					4							
CW		Totals			5		5	.0		1			4							
Total		All Species			9,697	4.3	9,279	100.0		[illegible]	3[illegible]	748	[illegible]	799	1114	2283	1649	928	138	

Draft



FMU POLYGON AND SAMPLE POINT INFORMATION

FMU_NM:	ELK STUMP SORTS U1	Township:	T13R06W
FMU_ID:	62707	DNR Region:	PACIFIC CASC
Acres:	96	Total Sample Points:	95
County:	PACIFIC	Spacing Between Points:	Width: 208 Height: 208
		Point Rotation Degrees:	0

N

0 165 330 660 990 1,320 Feet

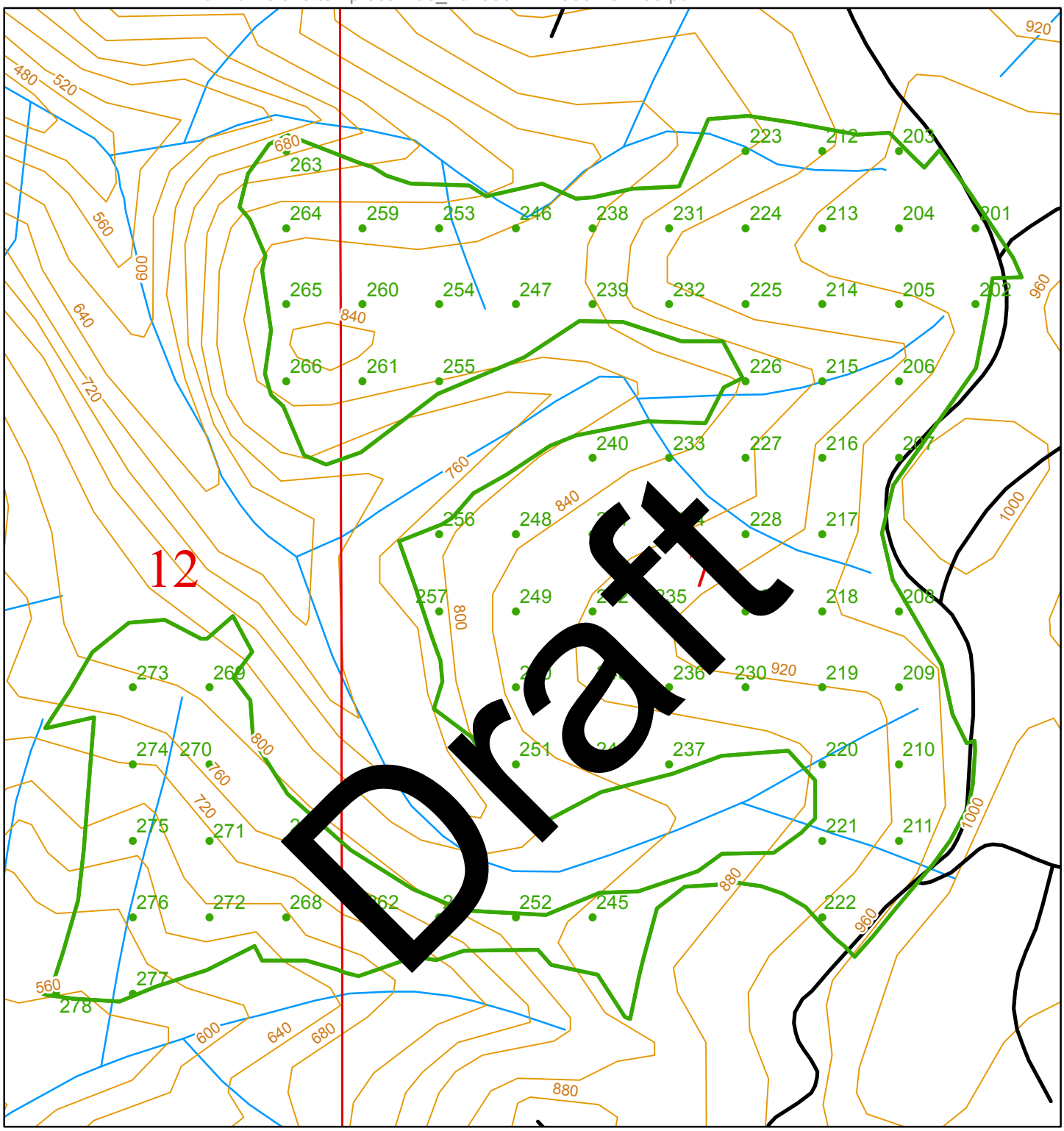
Scale 1:5,800

Legend

- Sample Points
- FMU polys
- Public Land Survey Sections
- Contours 40-foot

Washington State Department of Natural Resources
Peter Goldmark, Commissioner of Public Lands

May 11, 2016 02:40 PM



FMU POLYGON AND SAMPLE POINT INFORMATION

FMU_NM:	ELK STUMP SORTS U2	Township:	T13R06W, T13R07W
FMU_ID:	62708	DNR Region:	PACIFIC CASC
Acres:	77	Total Sample Points:	78
County:	PACIFIC	Spacing Between Points:	Width: 208 Height: 208
		Point Rotation Degrees:	0

N

0 130 260 520 780 1,040 Feet

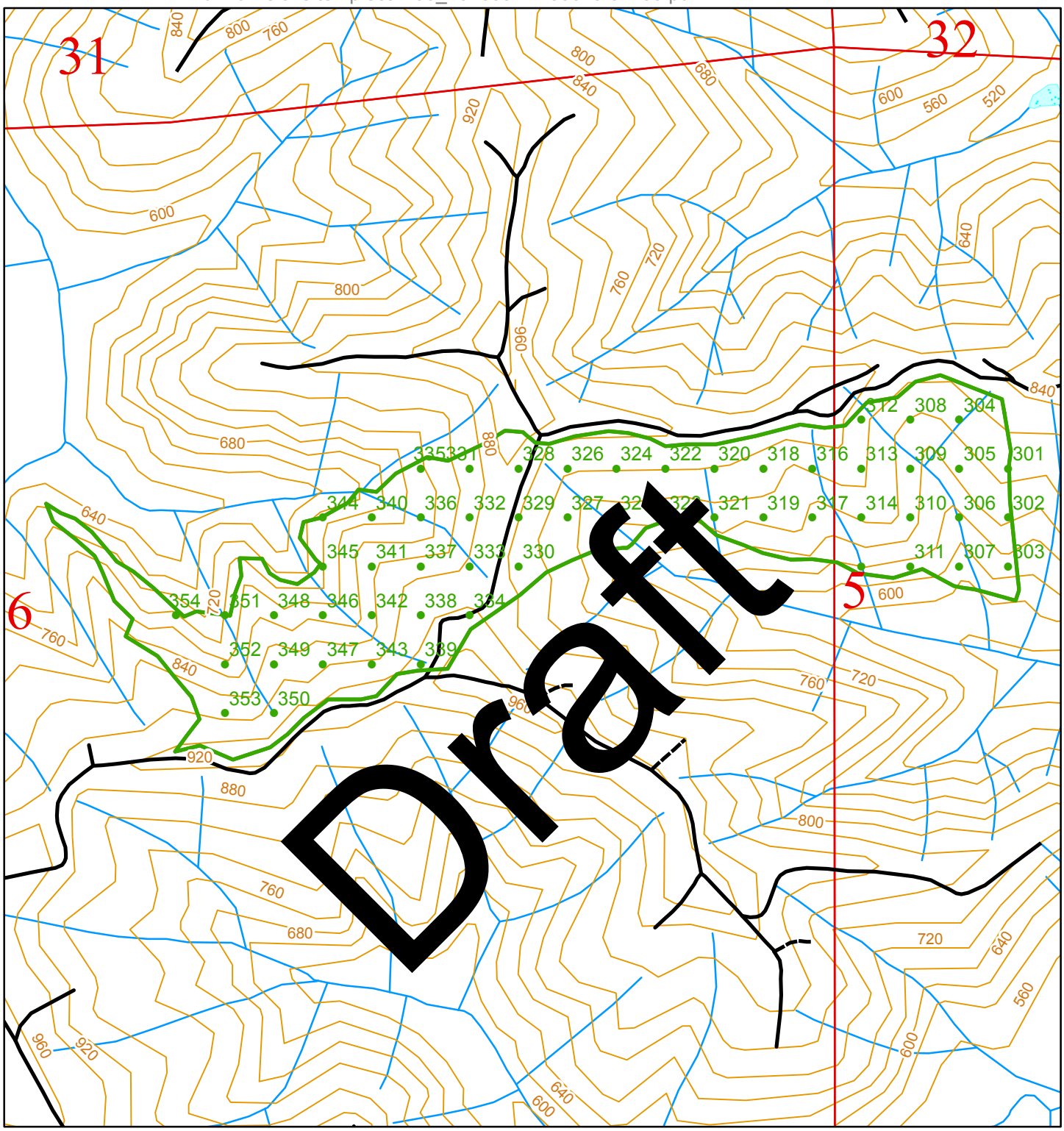
Scale 1:4,600

Legend

- Sample Points
- FMU polys
- Public Land Survey Sections
- Contours 40-foot

Washington State Department of Natural Resources
Peter Goldmark, Commissioner of Public Lands

May 11, 2016 02:57 PM



FMU POLYGON AND SAMPLE POINT INFORMATION

FMU_NM:	ELK STUMP SORTS U3	Township:	T13R06W
FMU_ID:	62709	DNR Region:	PACIFIC CASC
Acres:	56	Total Sample Points:	55
County:	PACIFIC	Spacing Between Points:	Width: 208 Height: 208
		Point Rotation Degrees:	0

N

0 210 420 840 1,260 1,680 Feet

Scale 1:7,200

Legend

- Sample Points
- FMU polys
- Public Land Survey Sections
- Contours 40-foot

Washington State Department of Natural Resources
Peter Goldmark, Commissioner of Public Lands

May 11, 2016 03:06 PM