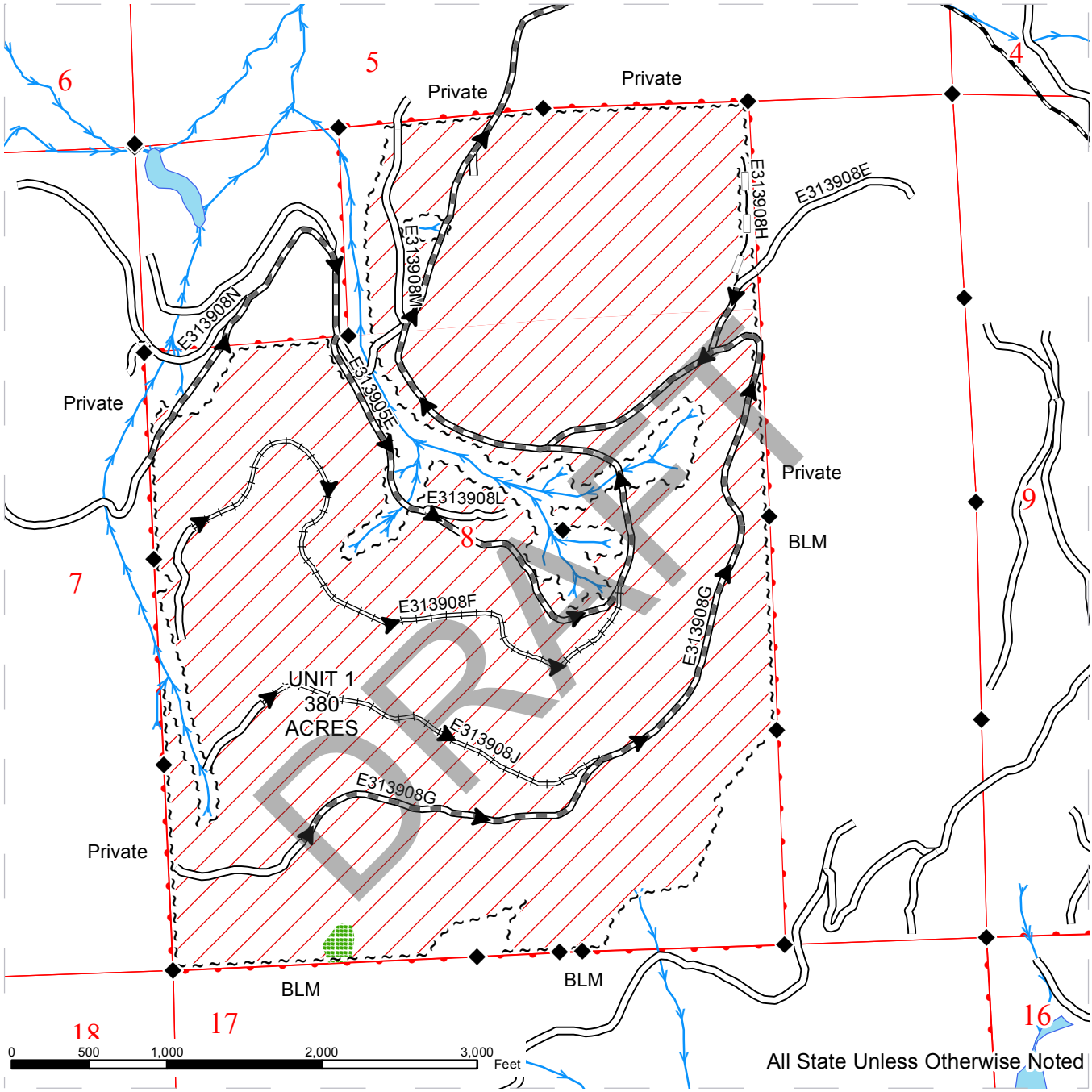
TIMBER SALE MAP

SALE NAME: KLINES MEADOW FIT
AGREEMENT#: 30-92914
TOWNSHIP(S): T31R39E
TRUST(S): Common School and Indemnity(3)

REGION: Northeast Region
COUNTY(S): STEVENS
ELEVATION RGE: 2626-4559



~~ Sale Boundary Tags	County Road	Streams
Ground Skidding	Existing Road	Monumented Corners
Leave Tree Area	Optional Reconstruction	
	Required PreHaul Maintenance	
	Required Reconstruction	
	Haul Route	

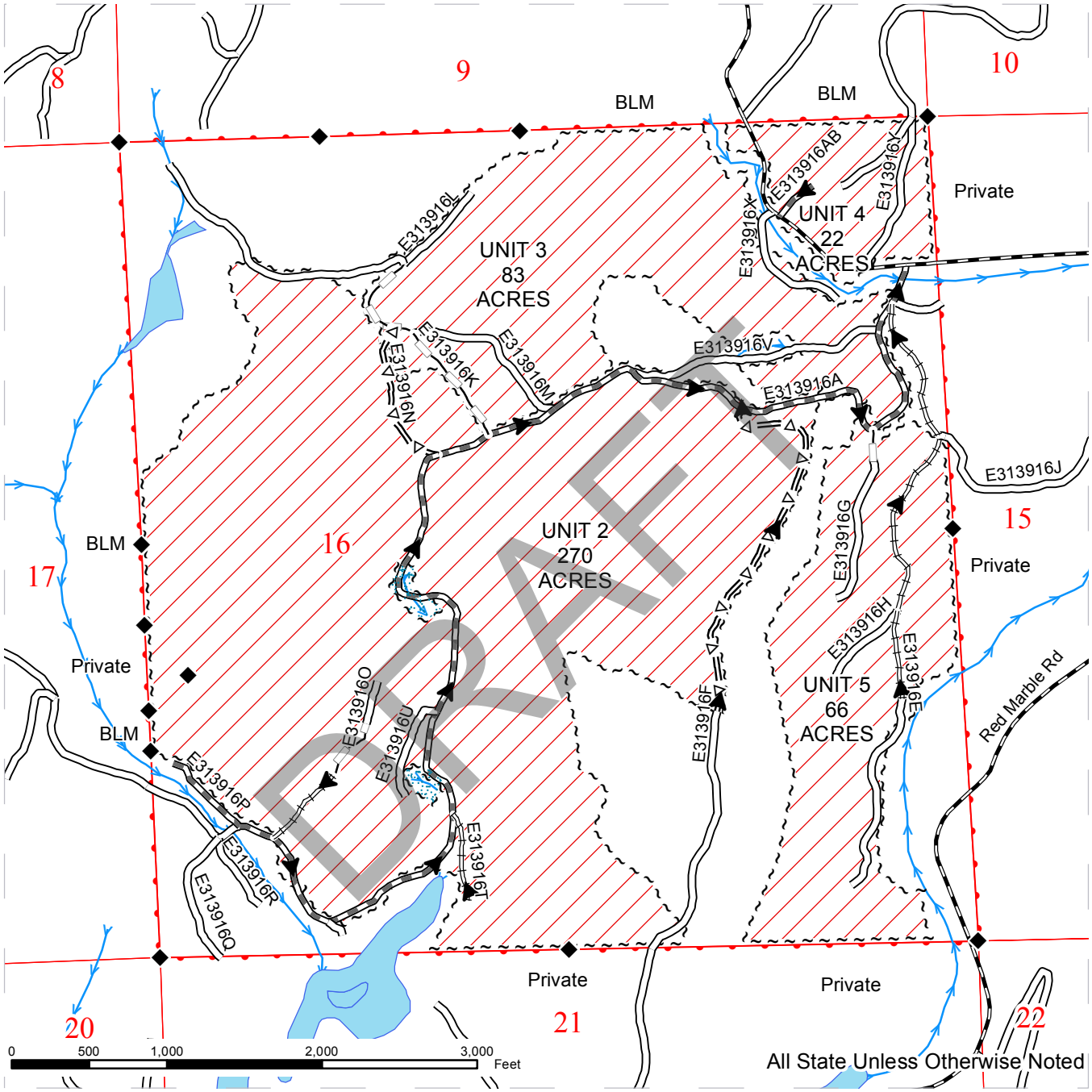
N

Prepared By: dzei490 Creation Date: 6/22/2015 Modification Date: 6/20/2016

TIMBER SALE MAP

SALE NAME: KLINES MEADOW FIT
AGREEMENT#: 30-92914
TOWNSHIP(S): T31R39E
TRUST(S): Common School and Indemnity(3)

REGION: Northeast Region
COUNTY(S): STEVENS
ELEVATION RGE: 2626-4559



~~ Sale Boundary Tags	County Road	Streams
Ground Skidding	Existing Road	Monumented Corners
Riparian Management Zone	Optional PreHaul Maintenance	
	Optional Reconstruction	
	Required PreHaul Maintenance	
	Required Reconstruction	
	Haul Route	

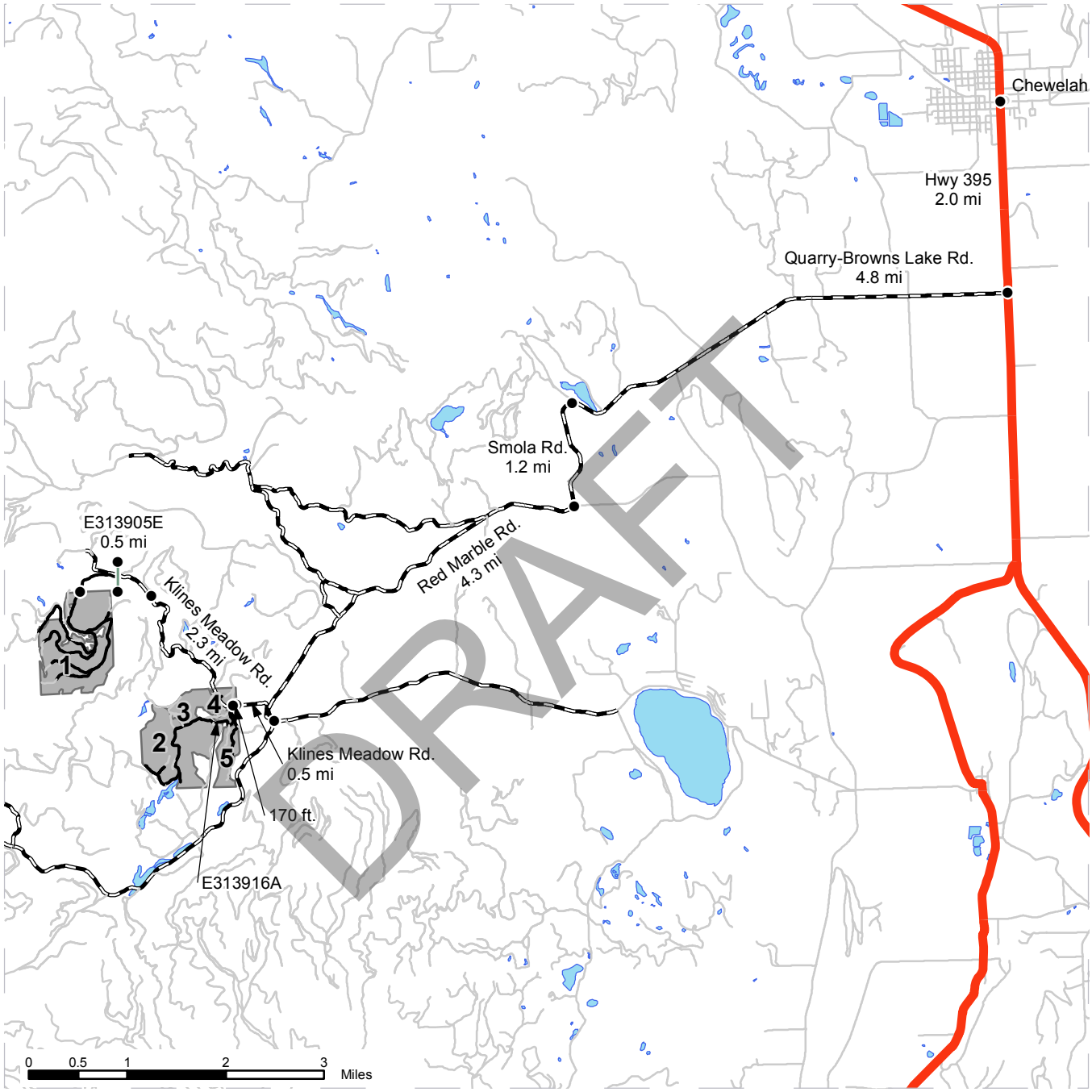
N

Prepared By: dzei490 Creation Date: 6/22/2015 Modification Date: 6/20/2016

DRIVING MAP

SALE NAME: KLINES MEADOW FIT
AGREEMENT#: 30-92914
TOWNSHIP(S): T31R39E
TRUST(S): Common School and Indemnity(3)

REGION: Northeast Region
COUNTY(S): STEVENS
ELEVATION RGE: 2626-4559



Timber Sale Unit
Haul Route
Other Route
County Road
Highways
Gate
Distance Indicator

DRIVING DIRECTIONS:

From the intersection Hwy 395 and Main Street in Chewelah, WA travel 2.0 miles south on Hwy 395 and take a right onto Quarry-Browns Lake Rd. Travel 4.8 miles and take a left onto Smola Rd and travel 1.2 miles. Take a right onto Red Marble Road and travel 4.3 miles and take a right on Klines Meadow Road. Travel 0.5 miles to enter Unit 4 and travel an additional 170 feet and take a left onto the E313916A road to access Units 2, 3, and 5.

At the intersection of road E313916A and Klines Meadow Road travel an additional 2.3 miles and take a left onto road E313905E. Travel through the gate and go 0.5 miles to enter Unit 1.

N

Prepared By: dzei490 Creation Date: 6/22/2015 Modification Date: 10/18/2016

Cruise Narrative

Sale Name: Klines Meadow FIT	**Region:** Northeast
Agreement Number: 30-092914	**District:** North Columbia
Lead Cruiser: Dan Griggs	**Completion Date:** 6/16/2016
Other Cruisers on sale: Jim Putnam	**Legal:** Sections 8 & 16, T 31 N, R 39 E WM.

Unit Acreage Specifications:

Unit #	Gross Acres	Net Acres	Total Deletions	Existing Roads	Leave Tree Acres	Power Line	Other
1	391.39	380.42	10.97	10.07	0.90		
2	272.26	269.68	2.58	2.58			
3	84.24	83.51	0.73	0.73			
4	22.61	21.72	0.89	0.89			
5	66.51	65.59	0.92	0.92			
Total	837.01	820.92	16.09	15.19	0.90	0.00	0.00

DRAFT

Cruise Sample Design:

This timber sale was cruised using the **variable plot** sampling method. The double basal area system was employed; a small BAF to determine Basal Area (count trees) and a large BAF to determine the Volume-Basal Area Ratio (cruise trees). Each plot was a full plot. Plot locations were created using a computer generated grid, and found using a hand held GPS unit.

Unit #	Small BAF (count)	Large BAF (cruise)	Sighting height	Grid size (plot spacing in feet)	% Cruise to count Target	% Cruise to count Actual	Total number of Plots
1	20.00	62.50	16	370 x370	32%	31.3%	122
2	20.00	62.50	16	370 x370	32%	24.2%	88
3	20.00	62.50	D4H	370 x370	32%	26.0%	28
4	20.00	20.00	D4H	370 x370	100%	95.3%	9
5	20.00	62.50	D4H	370 x370	32%	39.1%	20
Total						33.2%	267

Cruise Specifications:

Minor species cruise intensity:	We grade the first tree of all minor species encountered with the smaller BAF; then followed through with the small BAF to large BAF ratio.
Minimum top dib:	**Ponderosa pine and western red cedar:** Trees less than 17.5" DBH have a minimum top of 5.6" dib. Trees 17.6" and greater DBH have a minimum top dib of 40% of DOB at 16'or a 6" top whichever is greater. **All other species:** Trees less than 17.5" DBH have a minimum top of 4.6" dib. Trees 17.6" and greater DBH have a minimum top dib of 40% of DOB at 16'or a 6" top whichever is greater.
Minimum dbh:	Ponderosa pine: 8.0 inches DBH All other species: 7.0 inches DBH
Log lengths:	Saw logs: 32 feet where possible, minimum of 12 feet Firewood: 40 feet where possible, minimum of 12 feet Utility: 16 feet where possible, minimum of 12 feet
Take / Leave tree description:	**Unit 1:** Mark Leave Harvest all green and dead conifers that meet the minimum cruise specifications and are not banded with purple paint. Leave the Forest Practice requirement of 2-2-2 dead timber. **Units 2 to 4:** Prescriptive Cut Leave all trees banded with purple paint. Leave the largest and healthiest co-dominant and dominant trees. Areas with heavy mistletoe and/or reproduction will leave 6 trees per acre or 85 x 85 foot spacing, areas with healthy overstory trees with little to no reproduction will leave 21 trees per acre or 45 x 45 foot spacing. Red cedar will be spaced at a 20 x 20 foot spacing. Leave all ponderosa pine unless damaged or diseased. Leave tree species in order of preference are: WRC, PP, WL, DF, LP, GF Leave the Forest Practice requirement of 2-2-2 dead timber. **Unit 5:** Prescriptive Cut Leave all trees banded with purple paint. In the portions of the unit that is composed of a younger stand of timber remove only trees that are damaged or diseased. Leave the largest and healthiest co-dominant and dominant trees. Areas with heavy mistletoe and/or reproduction will leave 6 trees per acre or 85 x 85 foot spacing, areas with healthy overstory trees with little to no reproduction will leave 21 trees per acre or 45 x 45 foot spacing. Red cedar will be spaced at a 20 x 20 foot spacing. Leave all ponderosa pine unless damaged or diseased. Leave tree species in order of preference are: WRC, PP, WL, DF, LP, GF Leave the Forest Practice requirement of 2-2-2 on dead timber.
Commercial species observed in sale area, but not in cruise:	Western hemlock

DRAFT

Utility wood:	Comprised of non-board foot volume and volume below the minimum top diameter of 5” or 40% of DOB at 16’ to a minimum of a 2.6” top.
Status codes used:	L – leave tree, D – Dead firewood trees
Sort codes used	D – saw log, U – utility log, F - firewood
Species table used:	NE 2 inch
Grade table used:	Eastgrad
Other tables used (cruise adjustment):	

Field Observations:

Location:	Central Stevens County approximately 13 miles southwest of Chewelah, Washington.
Aspect:	North, East, South and West
Elevation:	2680 to 4600
Slope:	Unit 1 – 0% to 80%, Average 35% Unit 2 – 0% to 85%, Average 45% Unit 3 – 0% to 50%, Average 25% Unit 4 – 0% to 35%, Average 20% Unit 5 – 0% to 35%, Average 20% There are small cliffs in units 1 and 2.
Harvest Methods:	100% Ground base yarding with the longest skidding of 1200 feet.
Stand Composition:	The stand is comprised of second growth Douglas-fir, grand fir and western larch with larger residual trees. There is a minor component of red cedar, ponderosa pine, lodgepole pine, engelmann spruce and western hemlock. There is reproduction over much of the sale area.
Stand Health:	There is dwarf mistletoe in some of the Douglas-f fir and western larch trees.
Timber Quality:	The timber is a mix of average quality Douglas-fir (49%), grand fir (24%), western larch (16%), red cedar (4%), lodgepole pine (3%), engelmann spruce (0.5%) and ponderosa pine (0.3%). Dead Douglas-fir and western larch firewood is about 2% of the volume.
Non-board Foot Volume:	185 mbf of the total sale volume is comprised of utility wood (107 mbf) and firewood (78 mbf).
Other Considerations:	Much of the sale area is very brushy and steep. Logging will be difficult.

DRAFT

Trust and Counties: This sale is located in Stevens county and the trust is 03 for the entire sale.

Prepared by: Dan Griggs

Title: Forest Check Cruiser 1

CC: Timber Sales Document Center & File #30-092914

TC PSPCSTGR

Species, Sort Grade - Board Foot Volumes (Project)

T31N R39E S08 Ty00U1
THRU
T31N R39E S16 Ty00U5

Project: **KLINEFIT**

Acres **820.92**

Page **1**
Date **6/23/2016**
Time **9:30:39AM**

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. 4-5	6-11	12-16	17+	Log Length 12-20	21-32	33-55	56-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
GF		D	2	19	3.8	271	261	214			68	32		100			32	13	242	1.44	1.1
GF		D	3	50	2.6	658	641	526		94	6		1	99			32	8	102	0.71	6.3
GF		D	4	26	17.6	416	343	282	52	42	6		14	86			27	6	37	0.35	9.4
GF		U	UT	5		62	62	51	100				53	47			20	3	13	0.19	4.7
GF	**Totals**			19	7.1	1,406	1,306	1,072	18	57	18	6	6	94			27	6	61	0.51	21.5
DF		D	2	17	2.5	435	424	348			89	11		100			32	14	259	1.72	1.6
DF		D	3	56	1.1	1,411	1,395	1,145		100	0			100			32	8	103	0.76	13.6
DF		D	4	25	8.0	695	639	524	67	33			26	74			24	5	32	0.33	19.7
DF		U	UT	2		25	25	21	100				100				16	3	10	0.13	2.5
DF	**Totals**			36	3.2	2,566	2,483	2,038	18	64	16	2	8	92			27	7	66	0.58	37.4
DF	L	D	2	1		13	13	11			100			100			32	13	240	1.55	.1
DF	L	D	3	82	.5	694	691	567		8	92			100			32	12	178	1.40	3.9
DF	L	D	4	16		136	136	112	100					100			24	5	40	0.46	3.4
DF	L	U	UT	1		1	1	0	100				100				14	3	10	0.18	.1
DF	**Totals**			12	.4	845	841	690	16	7	77		0	100			28	8	113	1.02	7.4
DF	D	F	W	100	.8	131	130	107	23	48	14	14		53	47		34	7	100	0.77	1.3
DF	**Totals**			2	.8	131	130	107	23	48	14	14		53	47		34	7	100	0.77	1.3
WL		D	2	25	5.8	249	235	193			100			100			32	14	239	1.84	1.0
WL		D	3	63	7.4	617	572	469		100				100			32	8	76	0.60	7.5
WL		D	4	9	35.9	120	77	63	69	31			54	46			21	6	20	0.20	3.9
WL		U	UT	3		23	23	19	100				100				17	4	11	0.15	2.2
WL	**Totals**			13	10.2	1,010	907	744	8	66	26		7	93			27	7	62	0.58	14.5
WL	L	D	2	12	5.6	11	10	9			100			100			32	12	170	1.38	.1
WL	L	D	3	85	1.1	74	74	60		100				100			32	8	93	0.64	.8
WL	L	D	4	1		1	1	1	100					100			28	5	30	0.29	.0
WL	L	U	UT	2		1	1	1	100				100				16	4	16	0.21	.1
WL	**Totals**			1	1.6	87	86	71	2	86	12		1	99			31	8	90	0.66	1.0
WL	D	F	W	100		61	61	50		63	37		4	25	72		31	8	93	0.89	.7
WL	**Totals**			1		61	61	50		63	37		4	25	72		31	8	93	0.89	.7
LP		D	3	25	9.7	43	39	32		100				100			32	7	71	0.61	.5
LP		D	4	65		96	96	79	70	30			27	73			26	6	35	0.28	2.8
LP		U	UT	10		15	15	12	100				100				20	3	10	0.12	1.5
LP	**Totals**			2	2.7	154	150	123	55	45			27	73			25	5	31	0.29	4.8
RC	L	D	3	74	9.0	612	557	457		85	15			100			32	8	91	1.02	6.1
RC	L	D	4	26	18.5	230	187	154		100			38	62			23	6	30	0.47	6.3
RC	**Totals**			11	11.6	842	744	611		89	11		10	90			27	7	60	0.79	12.4
RC		D	3	75	8.8	181	165	136		59	41			100			32	9	116	1.08	1.4
RC		D	4	25	16.0	64	54	44		100			56	44			19	6	23	0.33	2.3
RC	**Totals**			3	10.7	245	219	180		69	31		14	86			24	7	58	0.71	3.8

DRAFT

TC PSPCSTGR

Species, Sort Grade - Board Foot Volumes (Project)

T31N R39E S08 Ty00U1
THRU
T31N R39E S16 Ty00U5

Project: **KLINEFIT**

Acres **820.92**

Date **6/23/2016**

Time **9:30:39AM**

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. 4-5	6-11	12-16	17+	Log Length 12-20	21-32	33-55	56-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
ES		D	3	100		27	27	22		100				100			32	7	71	0.55	.4
ES	**Totals**			0		27	27	22		100				100			32	7	71	0.55	.4
PP		D	5	100	.0	19	19	16		4	31	65	4	96			26	15	347	2.36	.1
PP	**Totals**			0	.0	19	19	16		4	31	65	4	96			26	15	347	2.36	.1
Totals					5.7	7,394	6,973	5,724	15	58	25	2	7	92	1		27	7	66	0.62	105.2

DRAFT

TC PSTATS

PROJECT STATISTICS

PROJECT KLINEFIT

DATE 6/23/2016

TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt
31N	39E	08	KLINES FIT	00U1	THR	820.92	267	639	S	E
31N	39E	16	KLINES FIT	00U5						

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	267	639	2.4		
CRUISE	127	212	1.7	50,045	.4
DBH COUNT					
REFOREST COUNT	86	170	2.0		
BLANKS	54				
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	70	21.4	13.3	65	5.7	20.8	2,566	2,483	593	583
DOUG FIR-D	7	1.1	14.2	65	0.3	1.2	131	130	35	35
DOUG FIR-L	6	3.7	19.2	58	1.7	7.4	845	841	214	214
WR CEDAR	22	2.7	13.2	53	0.7	2.6	245	219	67	64
WR CEDAR-L	30	8.7	14.2	64	2.6	9.6	842	744	266	266
GR FIR	39	13.1	12.0	61	3.0	10.3	1,406	1,306	306	300
W LARCH	21	5.9	14.7	83	1.8	6.9	1,010	907	232	223
W LARCH-D	3	.5	15.5	38	0.2	.7	61	61	18	18
W LARCH-L	4	.4	15.7	90	0.1	.6	87	86	19	19
LP PINE	7	3.0	9.1	58	0.5	1.4	154	150	35	35
E SPRUCE	2	.3	12.0	66	0.1	.2	27	27	7	7
P PINE	1	.0	31.8	81	0.0	.1	19	19	3	3
TOTAL	*212*	*61.0*	*13.6*	*64*	*16.7*	*61.7*	*7,394*	*6,973*	*1,794*	*1,767*

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.%	SAMPLE TREES - BF LOW	AVG	HIGH	# OF TREES REQ. 5	7	INF. POP. 10
DOUG FIR	83.4	10.0	155	173	190			
DOUG FIR-D	103.6	42.2	132	229	325			
DOUG FIR-L	36.3	16.2	201	240	279			
WR CEDAR	78.1	17.5	132	160	189			
WR CEDAR-L	56.3	10.8	92	103	114			
GR FIR	87.6	14.0	153	178	203			
W LARCH	66.0	14.8	188	221	254			
W LARCH-D	57.2	39.6	89	147	205			
W LARCH-L	23.1	13.2	217	250	283			
LP PINE	7.4	3.3	98	102	105			
E SPRUCE	82.5	77.3	27	120	213			
P PINE								
TOTAL	*85.8*	*6.0*	*164*	*175*	*185*	*295*	*150*	*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	156.5	9.6	19	21	23			
DOUG FIR-D	635.1	38.9	1	1	2			
DOUG FIR-L	232.8	14.2	3	4	4			
WR CEDAR	491.0	30.1	2	3	3			
WR CEDAR-L	253.2	15.5	7	9	10			
GR FIR	200.4	12.3	11	13	15			
W LARCH	250.6	15.3	5	6	7			
W LARCH-D	699.0	42.8	0	1	1			
W LARCH-L	691.3	42.3	0	0	1			
LP PINE	515.9	31.6	2	3	4			

DRAFT

TC PSTATS

PROJECT STATISTICS

PROJECT KLINEFIT

DATE 6/23/2016

TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt
31N	39E	08	KLINES FIT	00U1	THR	820.92	267	639	S	E
31N	39E	16	KLINES FIT	00U5						

CL 68.1	COEFF		**TREES/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.00	VAR.	S.E.%	LOW	AVG	HIGH	5	7	10
E SPRUCE	1247.1	76.3	0	0	1			
P PINE	1634.0	100.0	0	0	0			
TOTAL	*64.4*	*3.9*	*59*	*61*	*63*	*166*	*85*	*42*

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	143.3	8.8	19	21	23			
DOUG FIR-D	568.9	34.8	1	1	2			
DOUG FIR-L	234.9	14.4	6	7	8			
WR CEDAR	394.2	24.1	2	3	3			
WR CEDAR-L	270.2	16.5	8	10	11			
GR FIR	181.7	11.1	9	10	11			
W LARCH	226.9	13.9	6	7	8			
W LARCH-D	661.1	40.5	0	1	1			
W LARCH-L	659.5	40.4	0	1	1			
LP PINE	506.4	31.0	1	1	2			
E SPRUCE	1167.3	71.4	0	0	0			
P PINE	1634.0	100.0	0	0	0			
TOTAL	*50.1*	*3.1*	*60*	*62*	*64*	*100*	*51*	*25*

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	144.4	8.8	2,264	2,483	2,703			
DOUG FIR-D	583.4	35.7	84	130	177			
DOUG FIR-L	233.5	14.3	721	841	961			
WR CEDAR	439.4	26.9	160	219	278			
WR CEDAR-L	272.8	16.7	620	744	868			
GR FIR	188.3	11.5	1,156	1,306	1,457			
W LARCH	226.0	13.8	781	907	1,032			
W LARCH-D	666.5	40.8	36	61	86			
W LARCH-L	655.8	40.1	51	86	120			
LP PINE	511.5	31.3	103	150	197			
E SPRUCE	1183.0	72.4	7	27	47			
P PINE	1634.0	100.0	0	19	39			
TOTAL	*49.6*	*3.0*	*6,762*	*6,973*	*7,185*	*98*	*50*	*25*

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			109	119	130			
DOUG FIR-D	430.4	26.3	69	107	145			
DOUG FIR-L			98	114	131			
WR CEDAR	385.7	23.6	62	85	108			
WR CEDAR-L	101.7	6.2	64	77	90			
GR FIR	92.6	5.7	113	127	142			
W LARCH	113.5	6.9	113	131	149			
W LARCH-D	472.7	28.9	51	87	122			
W LARCH-L	361.5	22.1	89	149	209			
LP PINE	401.8	24.6	75	109	143			
E SPRUCE	1227.4	75.1	32	116	199			
P PINE	1634.0	100.0	0	189	377			
TOTAL	*54.7*	*3.3*	*110*	*113*	*116*	*120*	*61*	*30*

DRAFT

T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: KLINEFIT

Date 6/23/2016

Time 9:30:39AM

T31N R39E S08 T00U1

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
31N	39E	08	KLINES FIT	00U1	380.42	122	65	S	E

T31N R39E S08 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. 4-5	6-11	12-16	17+	Log Length 12-20	21-32	33-55	56-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
DF		D	2	23	3.5	612	590	225			86	14		100			32	14	259	1.75	2.3
DF		D	3	62	1.2	1,563	1,545	588		100				100			32	8	103	0.79	15.0
DF		D	4	14	23.9	469	357	136	80	20			29	71			23	5	30	0.32	12.1
DF		U	UT	1		10	10	4	100				100				15	4	10	0.17	1.0
DF		**Totals**		38	5.7	2,654	2,503	952	12	65	20	3	5	95			28	7	82	0.70	30.4
DF	D	F	WD	100		49	49	19		100					100		40	9	130	1.01	.4
DF	**D**	**Totals**		1		49	49	19		100					100		40	9	130	1.01	.4
GF		D	2	23	4.5	487	465	177			62	38		100			32	13	241	1.44	1.9
GF		D	3	47	3.0	977	948	360		95	5		1	99			32	8	105	0.75	9.0
GF		D	4	27	10.3	613	550	209	44	49	8		16	84			27	6	39	0.37	14.0
GF		U	UT	3		44	44	17	100				100				16	3	10	0.16	4.4
GF		**Totals**		31	5.4	2,122	2,008	764	14	58	19	9	7	93			27	7	68	0.57	29.4
WL		D	2	25	7.1	436	405	154			100			100			32	14	240	1.88	1.7
WL		D	3	65	8.9	1,110	1,011	385		100				100			32	8	77	0.62	13.2
WL		D	4	6	37.2	153	96	37	54	46			64	36			20	6	18	0.22	5.4
WL		U	UT	4		50	50	19	100				100				17	4	11	0.15	4.7
WL		**Totals**		24	10.7	1,749	1,563	594	7	68	26		7	93			26	7	62	0.60	25.0
WL	D	F	WD	100		131	131	50		63	37		4	25	72		31	8	93	0.89	1.4
WL	**D**	**Totals**		2		131	131	50		63	37		4	25	72		31	8	93	0.89	1.4
LP		D	4	88		191	191	73	73	27			27	73			26	5	36	0.28	5.4
LP		U	UT	12		26	26	10	100				100				20	3	10	0.12	2.6
LP		**Totals**		3		217	217	83	76	24			36	64			24	5	27	0.24	8.0
ES		D	3	100		22	22	9		100				100			32	6	50	0.49	.4
ES		**Totals**		0		22	22	9		100				100			32	6	50	0.49	.4
PP		D	5	100	.0	42	42	16		4	31	65	4	96			26	15	347	2.36	.1
PP		**Totals**		1	.0	42	42	16		4	31	65	4	96			26	15	347	2.36	.1
Type Totals					6.5	6,986	6,534	2,486	13	62	21	4	7	91	2		27	7	69	0.61	95.2

DRAFT

T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: KLINEFIT

Date 6/23/2016
Time 9:30:39AM

T31N R39E S16 T00U2

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
31N	39E	16	KLINES FIT	00U2	269.68	88	219	S	E

T31N R39E S16 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. 4-5	6-11	12-16	17+	Log Length 12-20	21-32	33-55	56-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
DF		D	2	17		422	422	114			100			100			32	13	254	1.61	1.7
DF		D	3	49	1.8	1,166	1,145	309		100				100			32	9	105	0.77	10.9
DF		D	4	31	1.6	747	734	198	61	39			30	70			24	5	33	0.36	22.2
DF		U	UT	3		57	57	15	100				100				16	3	10	0.12	5.7
DF Totals				31	1.4	2,391	2,358	636	21	61	18		12	88			26	6	58	0.54	40.5
DF	L	D	3	82		1,926	1,926	519			100			100			32	12	190	1.48	10.1
DF	L	D	4	18		406	406	109	100					100			24	5	40	0.46	10.1
DF L Totals				31		2,332	2,332	629	17		83			100			28	9	115	1.05	20.3
DF	D	F	WD	100	1.0	310	307	83	23	40	19	19		69	31		33	7	101	0.78	3.0
DF D Totals				4	1.0	310	307	83	23	40	19	19		69	31		33	7	101	0.78	3.0
RC	L	D	3	73	12.3	1,116	979	264		82	18			100			32	10	113	1.36	8.6
RC	L	D	4	27	23.0	458	353	95		100			42	58			22	6	29	0.46	12.1
RC L Totals				17	15.4	1,574	1,332	359		87	13		11	89			26	8	64	0.91	20.8
RC		D	3	71	5.2	323	306	82		54	46			100			32	9	120	1.02	2.6
RC		D	4	29		120	120	32		100			47	53			20	6	24	0.33	4.9
RC Totals				6	3.8	442	425	115		67	33		13	87			24	7	57	0.65	7.5
GF		D	2	16		114	114	31			100			100			32	13	240	1.34	.5
GF		D	3	48		325	325	88		100				100			32	7	84	0.59	3.8
GF		D	4	18		120	120	32	100					100			29	5	34	0.28	3.5
GF		U	UT	18		120	120	32	100				26	74			23	3	16	0.22	7.6
GF Totals				9		679	679	183	35	48	17		5	95			27	5	44	0.38	15.4
WL		D	2	64		100	100	27			100			100			32	14	250	1.85	.4
WL		D	3	30		48	48	13		100				100			32	9	120	0.76	.4
WL		D	4	6		8	8	2		100			100				14	6	20	0.32	.4
WL Totals				2		156	156	42		36	64		5	95			26	10	130	1.13	1.2
ES		D	3	100	.0	50	50	14		100				100			32	8	95	0.63	.5
ES Totals				1	.0	50	50	14		100				100			32	8	95	0.63	.5
Type Totals					3.7	7,934	7,639	2,060	16	45	38	1	7	92	1		27	7	70	0.71	109.2

DRAFT

T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: KLINEFIT

Date 6/23/2016

Time 9:30:39AM

T31N R39E S16 T00U3

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
31N	39E	16	KLINES FIT	00U3	83.51	28	100	S	E

T31N R39E S16 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. 4-5	6-11	12-16	17+	Log Length 12-20	21-32	33-55	56-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
DF		D	3	69		2,587	2,587	216		100				100			32	8	100	0.68	26.0
DF		D	4	31		1,147	1,147	96	80	20			26	74			23	5	28	0.27	40.5
DF		**Totals**		59		3,734	3,734	312	24	76			8	92			27	6	56	0.46	66.4
DF	L	D	3	100	8.7	426	389	32		100				100			32	9	105	0.92	3.7
DF	**L**	**Totals**		6	8.7	426	389	32		100				100			32	9	105	0.92	3.7
DF	D	F	WD	100		68	68	6	100							100	34	5	50	0.34	1.4
DF	**D**	**Totals**		1		68	68	6	100							100	34	5	50	0.34	1.4
RC	L	D	3	62	5.9	845	794	66		71	29			100			32	8	86	0.85	9.3
RC	L	D	4	38	8.8	518	472	39		100			32	68			23	6	31	0.55	15.2
RC	**L**	**Totals**		20	7.0	1,362	1,267	106		82	18		12	88			26	7	52	0.69	24.5
RC		D	3	63	16.9	141	117	10		100				100			32	8	75	1.26	1.6
RC		D	4	37		66	66	6		100			100				15	6	18	0.37	3.7
RC		**Totals**		3	11.5	207	183	15		100			36	64			20	7	35	0.80	5.3
GF		D	3	81		419	419	35		100				100			32	8	101	0.62	4.2
GF		D	4	19		96	96	8	50	50			50	50			21	6	24	0.41	4.0
GF		**Totals**		8		516	516	43	9	91			9	91			26	7	63	0.54	8.2
WL		D	2	37	.0	83	83	7			100			100			32	13	210	1.34	.4
WL		D	3	42		95	95	8		100				100			32	8	84	0.70	1.1
WL		D	4	21		45	45	4	82	18			18	82			28	5	40	0.26	1.1
WL		**Totals**		3		223	223	19	17	46	37		4	96			30	8	84	0.63	2.7
Type Totals					2.4	6,536	6,380	533	17	78	5		9	90	1		27	7	57	0.55	112.1

DRAFT

T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: KLINEFIT

Date 6/23/2016

Time 9:30:39AM

T31N R39E S16 T00U4

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
31N	39E	16	KLINES FIT	00U4	21.72	9	43	S	E

T31N R39E S16 T00U4

Spp	ST	Sort	Grade	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-32	33-55	56-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
DF		D	2	13	9.1	502	457	10			43	57		100			32	16	359	2.59	1.3
DF		D	3	44	2.2	1,525	1,491	32		84	16			100			32	8	102	0.71	14.6
DF		D	4	41		1,348	1,348	29	26	74			18	82			25	6	35	0.33	39.0
DF		U	UT	2		68	68	1	100				100				18	3	10	0.14	6.8
DF		**Totals**		30	2.3	3,442	3,363	73	12	67	13	8	9	91			26	6	55	0.48	61.6
DF	L	D	2	38		509	509	11			100			100			32	13	240	1.55	2.1
DF	L	D	3	51		687	687	15		100				100			32	9	111	0.74	6.2
DF	L	D	4	9		121	121	3	100					100			28	5	30	0.31	4.0
DF	L	U	UT	2		21	21	0	100				100				14	3	10	0.18	2.1
DF	**L**	**Totals**		12	.0	1,339	1,339	29	11	51	38		2	98			28	7	93	0.71	14.5
RC	L	D	3	88	7.6	1,699	1,570	34		100				100			32	8	84	0.82	18.7
RC	L	D	4	12	.0	195	195	4		100			58	42			20	6	27	0.33	7.3
RC	**L**	**Totals**		16	6.8	1,895	1,765	38		100			6	94			29	7	68	0.72	26.0
RC		D	3	95	4.4	990	946	21		58	42			100			32	9	131	1.08	7.2
RC		D	4	5		44	44	1		100				100			28	6	70	0.71	.6
RC		**Totals**		9	4.2	1,033	990	21		60	40			100			32	9	127	1.06	7.8
GF		D	2	19		293	293	6			100			100			32	15	320	1.93	.9
GF		D	3	63		925	925	20		100				100			32	9	123	0.77	7.5
GF		D	4	16	33.5	364	242	5	13	87			20	80			25	7	43	0.61	5.7
GF		U	UT	2		18	18	0	100				100				16	4	10	0.18	1.8
GF		**Totals**		13	7.6	1,599	1,477	32	3	77	20		5	95			28	8	93	0.76	15.9
WL	L	D	2	37	5.6	415	392	9			100			100			32	12	170	1.38	2.3
WL	L	D	3	55	5.1	594	564	12		100				100			32	9	106	0.68	5.3
WL	L	D	4	3		34	34	1	100					100			28	5	30	0.29	1.1
WL	L	U	UT	5		42	42	1	100				100				16	4	16	0.21	2.7
WL	**L**	**Totals**		9	4.9	1,085	1,031	22	7	55	38		4	96			28	8	90	0.74	11.5
WL		D	2	65		218	218	5			100			100			32	13	210	1.55	1.0
WL		D	3	31		104	104	2		100				100			32	8	100	0.64	1.0
WL		D	4	4	.0	10	10	0	100				100				14	5	10	0.24	1.0
WL		**Totals**		3		333	333	7	3	31	66		3	97			26	9	107	0.94	3.1
LP		D	3	77	10.8	686	612	13		100				100			32	9	90	0.81	6.8
LP		D	4	23		173	173	4	64	36			36	64			24	5	25	0.28	6.8
LP		**Totals**		7	8.7	860	785	17	14	86			8	92			28	7	58	0.58	13.6
Type Totals					4.3	11,586	11,084	241	7	70	20	2	6	94			28	7	72	0.64	153.9

DRAFT

T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: KLINEFIT

Date 6/23/2016

Time 9:30:39AM

T31N R39E S16 T00U5

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
31N	39E	16	KLINES FIT	00U5	65.59	20	69	S	E

T31N R39E S16 T00U5

Spp	ST	Sort	Grade	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-32	33-55	56-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
RC	L	D	3	86	1.7	1,437	1,413	93		100				100			32	7	62	0.63	22.7
RC	L	D	4	14	15.6	269	227	15		100			26	74			25	6	32	0.40	7.2
RC	**L**	**Totals**		27	3.9	1,707	1,640	108		100			4	96			30	7	55	0.58	29.9
RC		D	3	81	20.0	437	349	23		61	39			100			31	10	118	1.17	2.9
RC		D	4	19	61.2	208	81	5		100			74	26			21	7	19	0.29	4.2
RC		**Totals**		7	33.3	645	430	28		68	32		14	86			25	8	60	0.74	7.1
WL		D	3	74		935	935	61		100				100			32	7	68	0.44	13.7
WL		D	4	26	40.0	522	313	21	100				38	62			23	6	23	0.16	13.8
WL		**Totals**		20	14.3	1,457	1,248	82	25	75			9	91			28	7	46	0.32	27.4
WL	L	D	3	100		733	733	48		100				100			32	8	90	0.63	8.1
WL	**L**	**Totals**		12		733	733	48		100				100			32	8	90	0.63	8.1
DF		D	4	100		1,001	1,001	66	61	39			11	89			28	6	47	0.42	21.1
DF		**Totals**		16		1,001	1,001	66	61	39			11	89			28	6	47	0.42	21.1
GF		D	3	45	10.7	390	349	23		36	64			100			32	10	125	0.90	2.8
GF		D	4	53	55.6	913	405	27	68	32				100			30	6	27	0.26	14.8
GF		U	UT	2		14	14	1	100				100				16	4	10	0.18	1.4
GF		**Totals**		12	41.7	1,318	768	50	38	33	29		2	98			29	7	40	0.36	19.0
LP		D	3	79	8.8	309	282	18		100				100			32	7	62	0.51	4.5
LP		D	4	12		41	41	3		100				100			24	6	30	0.32	1.4
LP		U	UT	9		32	32	2	100				100				20	3	10	0.12	3.2
LP		**Totals**		6	7.1	382	354	23	9	91			9	91			27	5	39	0.38	9.1
Type Totals					14.7	7,243	6,176	405	20	74	6		6	94			29	7	51	0.46	121.8

DRAFT

TC PSPCTLTCM

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

T31N R39E S08 Ty00U1	380.4
T31N R39E S16 Ty00U2	269.6
T31N R39E S16 Ty00U	65.5

Project KLINEFIT
Acres 820.92

Page No 1
Date: 6/23/2016
Time 9:30:39AM

Species	ST	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		17,606	30,741	13,864	27.19	15.57	0.59	4,864	4,786	2,107	2,038
GR FIR		10,733	17,627	7,191	22.92	13.95	0.51	2,510	2,460	1,154	1,072
W LARCH		4,848	11,933	4,573	37.84	15.37	0.59	1,905	1,834	829	744
DOUG FIR	L	3,023	6,091	5,001	58.06	28.81	1.02	1,755	1,755	693	690
WR CEDAR	L	7,183	10,170	5,130	30.39	21.46	0.79	2,183	2,183	691	611
WR CEDAR		2,200	3,096	1,293	23.95	17.01	0.71	550	527	201	180
LP PINE		2,492	3,924	684	11.44	7.26	0.29	285	285	126	123
DOUG FIR	D	914	1,075	813	31.20	26.54	0.76	285	285	108	107
W LARCH	L	350	783	381	45.33	20.27	0.66	159	159	72	71
W LARCH	D	439	534	351	33.32	27.40	0.88	146	146	50	50
E SPRUCE		243	314	145	22.94	17.72	0.55	56	56	22	22
P PINE		15	46	67	183.91	61.30	2.36	28	28	16	16
Totals		50,045	86,334	39,493	28.98	16.80	0.63	14,727	14,504	6,070	5,724

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	50,045	86,334	39,493	28.98	16.80	0.63	14,727	14,504	6,070	5,724
Totals	50,045	86,334	39,493	28.98	16.80	0.63	14,727	14,504	6,070	5,724

DRAFT

TC PLOGSTVB

Log Stock Table - MBF

T31N R39E S08 Ty00U1
THRU
T31N R39E S16 Ty00U5

Project: KLINEFIT
Acres 820.92

Page 1
Date 6/23/2016
Time 9:30:38AM

Spp	ST	Sort	Grade	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-4	5-6	7-10	11-12	13-14	15-16	17-18	19-20	21-30	31-40	41-70	71+
GF		D	2	32	223	3.8	214	20.0				77	63	6	68					
GF		D	3	20	4		4	.4			4									
GF		D	3	32	536	2.6	522	48.7		44	275	204								
GF		D	4	16	26		26	2.4		18	8									
GF		D	4	20	14		14	1.3		14										
GF		D	4	26	5		5	.5			5									
GF		D	4	28	68		68	6.3		68										
GF		D	4	30	15		15	1.4		15										
GF		D	4	32	215	27.8	155	14.5		108	31	16								
GF		U	UT	14	1		1	.1	1											
GF		U	UT	16	20		20	1.8	20											
GF		U	UT	18	6		6	.5	6											
GF		U	UT	28	24		24	2.2	24											
GF		Totals			1,154	7.1	1,072	18.7	51	265	323	297	63	6	68					
DF		D	2	32	357	2.5	348	17.1				72	143	96	37					
DF		D	3	32	1,158	1.1	1,145	56.2		44	846	250	5							
DF		D	4	14	10		10	.5		7	2									
DF		D	4	16	69		69	3.4		69										
DF		D	4	18	5		5	.2		5										
DF		D	4	20	54		54	2.6		52	2									
DF		D	4	22	8		8	.4		8										
DF		D	4	24	30		30	1.5		30										
DF		D	4	26	34		34	1.7		34										
DF		D	4	28	8		8	.4		8										
DF		D	4	30	45		45	2.2		45										
DF		D	4	32	308	14.9	262	12.8		209	52									
DF		U	UT	14	3		3	.1	3											
DF		U	UT	16	17		17	.8	17											
DF		U	UT	20	1		1	.0	1											
DF		Totals			2,107	3.2	2,038	35.6	21	511	903	322	148	96	37					
DF	L	D	2	32	11		11	1.6					11							
DF	L	D	3	32	570		567	82.1		9	15	543								
DF	L	D	4	24	109		109	15.8		109										

DRAFT

TC PLOGSTVB

Log Stock Table - MBF

T31N R39E S08 Ty00U1
THRU
T31N R39E S16 Ty00U5

Project: KLINEFIT
Acres 820.92

Page 2
Date 6/23/2016
Time 9:30:38AM

Spp	ST	Sort	Grade	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-4	5-6	7-10	11-12	13-14	15-16	17-18	19-20	21-30	31-40	41-70	71+
DF	L	D	4	28	3		3	.4		3										
DF	L	U	UT	14	0		0	.1	0											
DF		Totals			693		690	12.1	0	121	15	543	11							
DF	D	F	W	32	58	1.5	57	53.4		19	8	15				15				
DF	D	F	W	34	6		6	5.3		6										
DF	D	F	W	36	10		10	9.4		10										
DF	D	F	W	40	34		34	31.9			19		16							
DF		Totals			108		107	1.9		35	27	15	16			15				
WL		D	2	32	204	5.8	193	25.9					130	63						
WL		D	3	32	507	7.4	469	63.0		72	352	45								
WL		D	4	14	6		6	.7		6										
WL		D	4	16	24	16.4	20	2.7		17	4									
WL		D	4	20	8		8	1.1		8										
WL		D	4	24	27	50.9	13	1.8		13										
WL		D	4	32	34	52.7	16	2.1		16										
WL		U	UT	16	14		14	1.9	12	2										
WL		U	UT	20	5		5	.7	5											
WL		Totals			829	10.2	744	13.0	17	134	355	45	130	63						
WL	L	D	2	32	9	5.6	9	12.1				9								
WL	L	D	3	32	61	1.1	60	85.6		13	42	5								
WL	L	D	4	28	1		1	1.1		1										
WL	L	U	UT	16	1		1	1.3	0	1										
WL		Totals			72	1.6	71	1.2	0	15	42	13								
WL	D	F	W	20	2		2	3.8		2										
WL	D	F	W	30	12		12	24.7			12									
WL	D	F	W	34	19		19	37.3				19								
WL	D	F	W	40	17		17	34.2				17								
WL		Totals			50		50	.9		2	12	36								
LP		D	3	32	35	9.7	32	25.9		10	21									
LP		D	4	20	21		21	17.2		21										
LP		D	4	24	3		3	2.2		3										
LP		D	4	28	2		2	2.0		2										

DRAFT

TC PLOGSTVB

Log Stock Table - MBF

T31N R39E S08 Ty00U1
THRU
T31N R39E S16 Ty00U5

Project: KLINEFIT
Acres 820.92

Page 3
Date 6/23/2016
Time 9:30:38AM

Spp	ST	Sort	Grade	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-4	5-6	7-10	11-12	13-14	15-16	17-18	19-20	21-30	31-40	41-70	71+
LP		D	4	32	53		53	43.1		53										
LP		U	UT	20	12		12	9.7	12											
LP		Totals			126	2.7	123	2.1	12	90	21									
RC	L	D	3	32	503	9.0	457	74.8		62	254	93	48							
RC	L	D	4	14	13		13	2.1		13										
RC	L	D	4	16	19		19	3.1		19										
RC	L	D	4	20	26		26	4.3		20	6									
RC	L	D	4	24	14		14	2.2		14										
RC	L	D	4	26	17		17	2.8		17										
RC	L	D	4	30	2		2	.3		2										
RC	L	D	4	32	97	36.0	62	10.2		11	51									
RC		Totals			691	11.6	611	10.7		159	312	93	48							
RC		D	3	26	1		1	.7			1									
RC		D	3	30	2		2	1.2		2										
RC		D	3	32	145	9.1	132	73.6		10	63	15	32	13						
RC		D	4	12	1		1	.4		1										
RC		D	4	14	4		4	2.4		4										
RC		D	4	16	12		12	6.9		12										
RC		D	4	20	16	53.6	7	4.0		7										
RC		D	4	24	17		17	9.5		17										
RC		D	4	26	1		1	.8		1										
RC		D	4	28	1		1	.5		1										
RC		Totals			201	10.7	180	3.1		56	64	15	32	13						
ES		D	3	32	22		22	100.0		12	10									
ES		Totals			22		22	.4		12	10									
PP		D	5	14	1		1	3.8			1									
PP		D	5	32	15		15	96.2					5				10			
PP		Totals			16		16	.3			1		5				10			
Total		All Species			6,070	5.7	5,724	100.0	101	1400	2085	1378	452	178	105	15	10			

DRAFT

TC PLOGSTVT_SED

Project Log Stock Table - TONS(SED)

T31N R39E S08 Ty00U1
THRU
T31N R39E S16 Ty00U5

Project: KLINEFIT
Acres 820.92

Page 1
Date 6/23/2016
Time 9:30:38AM

Spp	ST	Sort	Grade	Log Len	SED	TONS	Tons by Scaling Diameter in Inches 2-4	5-6	7-10	11-12	13-14	15-16	17-18	19-20	21-30	31-40	41-70	71+
GF		D	2	32	13.7	1,167				492	322	35	318					
GF		D	3	20	7.0	38			38									
GF		D	3	32	8.6	3,314		321	1787	1206								
GF		D	4	16	5.9	188		129	59									
GF		D	4	20	5.6	121		121										
GF		D	4	26	7.0	33			33									
GF		D	4	28	5.0	443		443										
GF		D	4	30	5.0	100		100										
GF		D	4	32	7.2	1,356		782	428	146								
GF		U	UT	14	3.0	8	8											
GF		U	UT	16	3.7	148	148											
GF		U	UT	18	3.0	38	38											
GF		U	UT	28	3.0	235	235											
Graded						7191	430	1897	2346	1844	322	35	318					
GF		Totals			6.7	7,191	430	1897	2346	1844	322	35	318					
DF		D	2	32	14.3	2,107				458	845	570	234					
DF		D	3	32	8.4	7,697		445	5668	1551	34							
DF		D	4	14	5.3	80		58	22									
DF		D	4	16	5.3	359		359										
DF		D	4	18	5.0	30		30										
DF		D	4	20	5.4	436		414	22									
DF		D	4	22	5.0	54		54										
DF		D	4	24	5.0	195		195										
DF		D	4	26	5.0	187		187										
DF		D	4	28	5.0	74		74										
DF		D	4	30	5.0	414		414										
DF		D	4	32	5.8	2,104		1385	495						225			
DF		U	UT	14	3.0	23	23											
DF		U	UT	16	3.1	96	96											
DF		U	UT	20	3.0	6	6											
Graded						13864	125	3615	6206	2008	879	570	234		225			
DF		Totals			6.4	13,864	125	3615	6206	2008	879	570	234		225			
DF	L	D	2	32	13.0	65					65							
DF	L	D	3	32	10.3	4,050		60	90	3900								

DRAFT

TC PLOGSTVT_SED

Project Log Stock Table - TONS(SED)

T31N R39E S08 Ty00U1
THRU
T31N R39E S16 Ty00U5

Project: KLINEFIT
Acres 820.92

Page 2
Date 6/23/2016
Time 9:30:38AM

Spp	ST	Sort	Grade	Log Len	SED	TONS	Tons by Scaling Diameter in Inches 2-4	5-6	7-10	11-12	13-14	15-16	17-18	19-20	21-30	31-40	41-70	71+
DF	L	D	4	24	5.0	862		862										
DF	L	D	4	28	5.0	22		22										
DF	L	U	UT	14	3.0	3	3											
Graded						5001	3	944	90	3900	65							
DF		Totals			8.1	5,001	3	944	90	3900	65							
DF	D	F	W	32	7.0	417		139	59	112				108				
DF	D	F	W	34	5.0	38		38										
DF	D	F	W	36	6.0	77		77										
DF	D	F	W	40	10.6	281			165		117							
Graded						813		253	224	112	117			108				
DF		Totals			6.7	813		253	224	112	117			108				
WL		D	2	32	13.7	1,140					763	377						
WL		D	3	32	7.7	2,829		400	2147	283								
WL		D	4	14	5.2	35		35										
WL		D	4	16	5.1	101		83	18									
WL		D	4	20	5.3	51		51										
WL		D	4	24	8.2	167		90	77									
WL		D	4	32	5.3	138		61	77									
WL		U	UT	16	3.9	76	63	13										
WL		U	UT	20	3.0	37	37											
Graded						4573	100	732	2319	283	763	377						
WL		Totals			7.0	4,573	100	732	2319	283	763	377						
WL	L	D	2	32	12.0	53				53								
WL	L	D	3	32	8.3	319		76	217	26								
WL	L	D	4	28	5.0	5		5										
WL	L	U	UT	16	4.1	5	2	3										
Graded						381	2	84	217	79								
WL		Totals			8.0	381	2	84	217	79								
WL	D	F	W	20	6.0	20		20										
WL	D	F	W	30	7.0	93			93									
WL	D	F	W	34	12.0	119				119								
WL	D	F	W	40	11.0	120				120								
Graded						351		20	93	238								

DRAFT

TC PLOGSTVT_SED

Project Log Stock Table - TONS(SED)

T31N R39E S08 Ty00U1
THRU
T31N R39E S16 Ty00U5

Project: KLINEFIT
Acres 820.92

Date 6/23/2016
Time 9:30:38AM

Spp	ST	Sort	Grade	Log Len	SED	TONS	Tons by Scaling Diameter in Inches 2-4	5-6	7-10	11-12	13-14	15-16	17-18	19-20	21-30	31-40	41-70	71+
WL		Totals			8.5	351		20	93	238								
LP		D	3	32	7.9	209		59	149									
LP		D	4	20	6.0	138		138										
LP		D	4	24	6.0	16		16										
LP		D	4	28	5.0	16		16										
LP		D	4	32	5.0	235		235										
LP		U	UT	20	3.0	70	70											
Graded						684	70	465	149									
LP		Totals			5.9	684	70	465	149									
RC	L	D	3	32	7.7	3,823		489	2448	461	425							
RC	L	D	4	14	6.0	59		59										
RC	L	D	4	16	6.0	114		114										
RC	L	D	4	20	6.1	251		188	63									
RC	L	D	4	24	6.0	110		110										
RC	L	D	4	26	6.0	113		113										
RC	L	D	4	30	6.0	9		9										
RC	L	D	4	32	6.8	650		89	561									
Graded						5130		1171	3072	461	425							
RC		Totals			7.1	5,130		1171	3072	461	425							
RC		D	3	26	8.0	7			7									
RC		D	3	30	6.0	11		11										
RC		D	3	32	9.4	932		50	453	134	217	78						
RC		D	4	12	6.0	5		5										
RC		D	4	14	6.0	19		19										
RC		D	4	16	6.0	79		79										
RC		D	4	20	7.4	113		59		28					26			
RC		D	4	24	6.0	111		111										
RC		D	4	26	6.0	9		9										
RC		D	4	28	6.0	6		6										
Graded						1293		350	460	162	217	78			26			
RC		Totals			7.9	1,293		350	460	162	217	78			26			
ES		D	3	32	7.1	145		92	53									
Graded						145		92	53									
ES		Totals			7.1	145		92	53									

DRAFT

TC PLOGSTVT_SED

Project Log Stock Table - TONS(SED)

T31N R39E S08 Ty00U1
THRU
T31N R39E S16 Ty00U5

Project: KLINEFIT
Acres 820.92

Page 4
Date 6/23/2016
Time 9:30:38AM

Spp	ST	Sort	Grade	Log Len	SED	TONS	Tons by Scaling Diameter in Inches 2-4	5-6	7-10	11-12	13-14	15-16	17-18	19-20	21-30	31-40	41-70	71+
PP		D	5	14	10.0	4			4									
PP		D	5	32	17.5	63					20				43			
Graded						67			4		20				43			
PP		Totals			15.0	67			4		20				43			
Total		All Species				39,493	729	9622	15233	9087	2807	1061	552	108	294			

DRAFT

TC TSTATS

STATISTICS

PROJECT KLINEFIT

DATE 6/23/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
31N	39E	08	KLINES FIT	00U1	380.42	122	208	S	E

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	122	208	1.7		
CRUISE	51	65	1.3	19,066	.3
DBH COUNT					
REFOREST COUNT	38	65	1.7		
BLANKS	33				
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	21	15.6	15.5	69	5.2	20.5	2,654	2,503	618	598
DOUG FIR-D	1	.4	16.2	77	0.1	.5	49	49	15	15
GR FIR	22	16.8	12.7	64	4.1	14.7	2,122	2,008	454	454
W LARCH	14	10.3	14.9	80	3.2	12.4	1,749	1,563	410	400
W LARCH-D	3	1.2	15.5	38	0.4	1.5	131	131	38	38
LP PINE	2	5.4	8.4	55	0.7	2.1	217	217	46	46
E SPRUCE	1	.4	10.9	57	0.1	.3	22	22	7	7
P PINE	1	.0	31.8	81	0.0	.2	42	42	7	7
TOTAL	*65*	*50.1*	*13.8*	*67*	*14.1*	*52.2*	*6,986*	*6,534*	*1,596*	*1,565*

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.%	SAMPLE TREES - BF LOW	AVG	HIGH	# OF TREES REQ. 5	7	INF. POP. 10
DOUG FIR	65.5	14.7	186	218	250			
DOUG FIR-D								
GR FIR	85.9	18.8	160	196	233			
W LARCH	71.3	19.8	178	222	266			
W LARCH-D	57.2	39.6	89	147	205			
LP PINE	35.4	33.1	27	40	53			
E SPRUCE								
P PINE								
TOTAL	*86.6*	*10.7*	*189*	*211*	*234*	*300*	*153*	*75*

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	161.2	14.6	13	16	18			
DOUG FIR-D	777.8	70.4	0	0	1			
GR FIR	153.1	13.9	14	17	19			
W LARCH	174.4	15.8	9	10	12			
W LARCH-D	467.7	42.3	1	1	2			
LP PINE	396.2	35.9	3	5	7			
E SPRUCE	1104.5	100.0	0	0	1			
P PINE	1104.5	100.0	0	0	0			
TOTAL	*67.4*	*6.1*	*47*	*50*	*53*	*182*	*93*	*45*

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	156.2	14.1	18	20	23			
DOUG FIR-D	777.8	70.4	0	1	1			
GR FIR	142.0	12.9	13	15	17			
W LARCH	158.8	14.4	11	12	14			
W LARCH-D	441.7	40.0	1	2	2			
LP PINE	396.3	35.9	1	2	3			

DRAFT

TC TSTATS

STATISTICS

PROJECT KLINEFIT

DATE 6/23/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
31N	39E	08	KLINES FIT	00U1	380.42	122	208	S	E

CL: 68.1 %	COEFF		**BASAL AREA/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.	S.E.%	LOW	AVG	HIGH	5	7	10
E SPRUCE	1104.5	100.0	0	0	1			
P PINE	1104.5	100.0	0	0	0			
TOTAL	*57.0*	*5.2*	*50*	*52*	*55*	*130*	*66*	*32*

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	157.3	14.2	2,146	2,503	2,859			
DOUG FIR-D	777.8	70.4	14	49	83			
GR FIR	146.8	13.3	1,741	2,008	2,274			
W LARCH	158.7	14.4	1,338	1,563	1,787			
W LARCH-D	445.4	40.3	78	131	184			
LP PINE	399.2	36.1	139	217	295			
E SPRUCE	1104.5	100.0	0	22	45			
P PINE	1104.5	100.0	0	42	84			
TOTAL	*57.5*	*5.2*	*6,194*	*6,534*	*6,874*	*132*	*67*	*33*

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			105	122	140			
DOUG FIR-D	545.4	49.4	27	91	155			
GR FIR	48.5	4.4	118	136	154			
W LARCH			108	126	144			
W LARCH-D	311.6	28.2	52	87	122			
LP PINE	147.9	13.4	67	105	143			
E SPRUCE	1104.5	100.0	0	77	154			
P PINE	1104.5	100.0	0	189	377			
TOTAL	*354.0*	*32.1*	*119*	*125*	*132*	*5,014*	*2,558*	*1,253*

DRAFT

TC TSTATS

STATISTICS

PROJECT KLINEFIT

DATE 6/23/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
31N	39E	16	KLINES FIT	00U2	269.68	88	219	S	E

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	88	219	2.5		
CRUISE	39	53	1.4	17,603	.3
DBH COUNT					
REFOREST COUNT	36	74	2.1		
BLANKS	13				
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	24	23.4	12.8	60	5.8	20.8	2,391	2,358	557	557
DOUG FIR-D	5	2.4	14.3	63	0.7	2.7	310	307	79	79
DOUG FIR-L	1	10.1	19.3	57	4.7	20.6	2,332	2,332	593	593
WR CEDAR	9	5.4	12.4	54	1.3	4.5	442	425	116	116
WR CEDAR-L	6	12.1	16.1	71	4.3	17.1	1,574	1,332	502	502
GR FIR	6	11.1	10.1	51	1.9	6.2	679	679	160	160
W LARCH	1	.4	21.8	78	0.2	1.0	156	156	35	35
E SPRUCE	1	.3	14.4	88	0.1	.3	50	50	11	11
TOTAL	*53*	*65.3*	*14.3*	*60*	*19.3*	*73.3*	*7,934*	*7,639*	*2,054*	*2,054*

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.%	**SAMPLE TREES - BF** LOW	AVG	HIGH	# OF TREES REQ. 5	7	INF. POP. 10
DOUG FIR	88.5	18.5	131	161	191			
DOUG FIR-D	93.0	46.3	153	284	415			
DOUG FIR-L								
WR CEDAR	83.1	29.4	96	136	175			
WR CEDAR-L	62.3	27.7	100	138	177			
GR FIR	103.5	46.1	68	127	185			
W LARCH								
E SPRUCE								
TOTAL	*87.3*	*12.0*	*148*	*168*	*188*	*305*	*155*	*76*

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	159.7	17.0	19	23	27			
DOUG FIR-D	455.8	48.6	1	2	4			
DOUG FIR-L	121.5	12.9	9	10	11			
WR CEDAR	385.2	41.1	3	5	8			
WR CEDAR-L	227.9	24.3	9	12	15			
GR FIR	266.4	28.4	8	11	14			
W LARCH	535.3	57.1	0	0	1			
E SPRUCE	938.1	100.0	0	0	1			
TOTAL	*57.7*	*6.2*	*61*	*65*	*69*	*133*	*68*	*33*

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	143.4	15.3	18	21	24			
DOUG FIR-D	393.0	41.9	2	3	4			
DOUG FIR-L	121.5	12.9	18	21	23			
WR CEDAR	324.7	34.6	3	5	6			
WR CEDAR-L	227.3	24.2	13	17	21			
GR FIR	248.9	26.5	5	6	8			
W LARCH	535.3	57.1	0	1	2			
E SPRUCE	938.1	100.0	0	0	1			
TOTAL	*38.5*	*4.1*	*70*	*73*	*76*	*59*	*30*	*15*

DRAFT

TC TSTATS

STATISTICS

PROJECT KLINEFIT

DATE 6/23/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
31N	39E	16	KLINES FIT	00U2	269.68	88	219	S	E

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	146.5	15.6	1,990	2,358	2,726			
DOUG FIR-D	397.4	42.4	177	307	437			
DOUG FIR-L	121.5	12.9	2,030	2,332	2,634			
WR CEDAR	351.0	37.4	266	425	585			
WR CEDAR-L	227.3	24.2	1,009	1,332	1,654			
GR FIR	249.8	26.6	498	679	859			
W LARCH	535.3	57.1	67	156	246			
E SPRUCE	938.1	100.0	0	50	101			
TOTAL	*34.8*	*3.7*	*7,355*	*7,639*	*7,922*	*48*	*25*	*12*

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	34.1	3.6	96	113	131			
DOUG FIR-D	289.8	30.9	65	113	160			
DOUG FIR-L			99	113	128			
WR CEDAR	325.4	34.7	59	94	129			
WR CEDAR-L			59	78	97			
GR FIR	108.3	11.5	80	110	139			
W LARCH	298.0	31.8	65	150	236			
E SPRUCE	938.1	100.0	0	168	336			
TOTAL	*372.7*	*39.7*	*100*	*104*	*108*	*5,557*	*2,835*	*1,389*

DRAFT

TC TSTATS

STATISTICS

PROJECT KLINEFIT

DATE 6/23/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
31N	39E	16	KLINES FIT	00U3	83.51	28	100	S	E

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	28	100	3.6		
CRUISE	16	26	1.6	6,232	.4
DBH COUNT					
REFOREST COUNT	8	23	2.9		
BLANKS	4				
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	10	40.5	11.4	68	8.5	28.6	3,734	3,734	814	814
DOUG FIR-D	1	1.4	9.8	60	0.2	.7	68	68	16	16
DOUG FIR-L	1	1.9	18.8	68	0.8	3.6	426	389	110	110
WR CEDAR	3	3.7	13.3	40	1.0	3.6	207	183	84	84
WR CEDAR-L	6	20.8	12.5	54	5.0	17.9	1,362	1,267	441	441
GR FIR	3	5.3	12.2	67	1.2	4.3	516	516	118	118
W LARCH	2	1.1	15.2	89	0.4	1.4	223	223	51	51
TOTAL	*26*	*74.6*	*12.1*	*63*	*17.2*	*60.0*	*6,536*	*6,380*	*1,632*	*1,632*

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**			# OF TREES REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
DOUG FIR	55.4	18.5	99	122	145			
DOUG FIR-D								
DOUG FIR-L								
WR CEDAR	62.4	43.2	38	67	95			
WR CEDAR-L	97.9	43.6	52	92	132			
GR FIR	74.9	51.9	56	117	177			
W LARCH	67.6	63.4	84	230	376			
TOTAL	*71.5*	*14.3*	*100*	*117*	*134*	*213*	*109*	*53*

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	76.0	14.6	35	40	46			
DOUG FIR-D	529.2	101.9		1	3			
DOUG FIR-L	218.4	42.0	1	2	3			
WR CEDAR	323.8	62.3	1	4	6			
WR CEDAR-L	135.9	26.2	15	21	26			
GR FIR	257.9	49.7	3	5	8			
W LARCH	385.0	74.1	0	1	2			
TOTAL	*33.5*	*6.4*	*70*	*75*	*79*	*46*	*24*	*12*

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	72.4	13.9	25	29	33			
DOUG FIR-D	529.2	101.9		1	1			
DOUG FIR-L	218.4	42.0	2	4	5			
WR CEDAR	306.9	59.1	1	4	6			
WR CEDAR-L	137.5	26.5	13	18	23			
GR FIR	265.1	51.0	2	4	6			
W LARCH	367.2	70.7	0	1	2			
TOTAL	*32.7*	*6.3*	*56*	*60*	*64*	*44*	*23*	*11*

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	73.8	14.2	3,203	3,734	4,265			

DRAFT

TC TSTATS

STATISTICS

PROJECT **KLINEFIT**

DATE 6/23/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
31N	39E	16	KLINES FIT	00U3	83.51	28	100	S	E

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-D	529.2	101.9		68	138			
DOUG FIR-L	218.4	42.0	225	389	553			
WR CEDAR	304.6	58.6	76	183	291			
WR CEDAR-L	143.9	27.7	916	1,267	1,617			
GR FIR	300.3	57.8	217	516	814			
W LARCH	375.3	72.3	62	223	385			
TOTAL	*23.1*	*4.4*	*6,096*	*6,380*	*6,664*	*22*	*11*	*6*

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			112	131	149			
DOUG FIR-D	529.2	101.9		95	193			
DOUG FIR-L	35.3	6.8	63	109	155			
WR CEDAR	215.3	41.4	21	51	81			
WR CEDAR-L			51	71	91			
GR FIR	223.3	43.0	51	120	190			
W LARCH	375.3	72.3	43	156	269			
TOTAL	*321.7*	*61.9*	*102*	*106*	*111*	*4,295*	*2,191*	*1,074*

DRAFT

TC TSTATS

STATISTICS

PROJECT KLINEFIT

DATE 6/23/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
31N	39E	16	KLINES FIT	00U4	21.72	9	43	S	E

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	9	43	4.8		
CRUISE	9	41	4.6	2,003	2.0
DBH COUNT					
REFOREST					
COUNT					
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	13	43.4	11.0	60	8.7	28.9	3,442	3,363	777	777
DOUG FIR-L	4	6.2	16.3	77	2.2	8.9	1,339	1,339	290	290
WR CEDAR	4	6.4	15.9	65	2.2	8.9	1,033	990	262	262
WR CEDAR-L	9	18.7	14.0	67	5.3	20.0	1,895	1,765	536	536
GR FIR	4	5.8	16.7	97	2.2	8.9	1,599	1,477	333	333
W LARCH	1	1.0	19.8	79	0.5	2.2	333	333	76	76
W LARCH-L	3	3.8	17.9	91	1.6	6.7	1,085	1,031	236	236
LP PINE	3	6.8	13.4	83	1.8	6.7	860	785	223	223
TOTAL	*41*	*92.2*	*13.5*	*69*	*24.8*	*91.1*	*11,586*	*11,084*	*2,733*	*2,733*

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**			# OF TREES REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
DOUG FIR	108.1	32.6	120	178	235			
DOUG FIR-L	44.2	25.3	187	250	313			
WR CEDAR	30.0	20.8	248	313	378			
WR CEDAR-L			126	126	126			
GR FIR	58.5	33.5	188	283	377			
W LARCH								
W LARCH-L	15.2	10.5	245	273	302			
LP PINE			175	175	175			
TOTAL	*65.1*	*10.8*	*187*	*210*	*233*	*169*	*86*	*42*

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	205.8	72.7	12	43	75			
DOUG FIR-L	136.6	48.3	3	6	9			
WR CEDAR	231.3	81.7	1	6	12			
WR CEDAR-L	186.2	65.8	6	19	31			
GR FIR	177.4	62.6	2	6	9			
W LARCH	300.0	106.0		1	2			
W LARCH-L	152.0	53.7	2	4	6			
LP PINE	300.0	106.0		7	14			
TOTAL	*111.2*	*39.3*	*56*	*92*	*128*	*556*	*284*	*139*

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	147.3	52.0	14	29	44			
DOUG FIR-L	118.6	41.9	5	9	13			
WR CEDAR	163.5	57.7	4	9	14			
WR CEDAR-L	180.3	63.7	7	20	33			
GR FIR	163.5	57.7	4	9	14			
W LARCH	300.0	106.0		2	5			
W LARCH-L	150.0	53.0	3	7	10			
LP PINE	300.0	106.0		7	14			
TOTAL	*78.5*	*27.7*	*66*	*91*	*116*	*277*	*141*	*69*

DRAFT

TC TSTATS

STATISTICS

PROJECT KLINEFIT

DATE 6/23/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
31N	39E	16	KLINES FIT	00U4	21.72	9	43	S	E

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	134.1	47.4	1,770	3,363	4,957			
DOUG FIR-L	121.9	43.1	762	1,339	1,916			
WR CEDAR	160.9	56.8	427	990	1,552			
WR CEDAR-L	175.3	61.9	672	1,765	2,858			
GR FIR	177.7	62.8	550	1,477	2,405			
W LARCH	300.0	106.0		333	685			
W LARCH-L	150.8	53.3	482	1,031	1,581			
LP PINE	300.0	106.0		785	1,618			
TOTAL	*73.4*	*25.9*	*8,209*	*11,084*	*13,959*	*242*	*124*	*61*

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	134.1	47.4	61	116	172			
DOUG FIR-L	121.9	43.1	86	151	216			
WR CEDAR	160.9	56.8	48	111	175			
WR CEDAR-L	175.3	61.9	34	88	143			
GR FIR	177.7	62.8	62	166	271			
W LARCH	300.0	106.0		150	308			
W LARCH-L	150.8	53.3	72	155	237			
LP PINE	300.0	106.0		118	243			
TOTAL	*73.4*	*25.9*	*90*	*122*	*153*	*242*	*124*	*61*

DRAFT

TC TSTATS

STATISTICS

PROJECT KLINEFIT

DATE 6/23/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
31N	39E	16	KLINES FIT	00U5	65.59	20	69	S	E

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	20	69	3.5		
CRUISE	12	27	2.3	5,141	.5
DBH COUNT					
REFOREST COUNT	4	8	2.0		
BLANKS	4				
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
WR CEDAR	6	4.6	15.4	57	1.5	6.0	645	430	168	133
WR CEDAR-L	9	26.9	12.0	61	6.1	21.0	1,707	1,640	527	527
W LARCH	3	10.8	11.7	104	2.3	8.0	1,457	1,248	293	244
W LARCH-L	1	4.1	15.0	90	1.3	5.0	733	733	164	164
DOUG FIR	2	15.5	10.9	58	3.0	10.0	1,001	1,001	246	246
GR FIR	4	12.0	11.7	70	2.6	9.0	1,318	768	276	199
LP PINE	2	4.5	11.0	70	0.9	3.0	382	354	92	92
TOTAL	*27*	*78.4*	*12.0*	*69*	*17.9*	*62.0*	*7,243*	*6,176*	*1,766*	*1,606*

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

SAMPLE TREES - BF

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF TREES REQ. 5	7	INF. POP. 10
WR CEDAR	79.1	35.3	109	168	228			
WR CEDAR-L	50.0	17.7	58	70	82			
W LARCH	44.1	30.5	83	120	157			
W LARCH-L								
DOUG FIR	40.4	37.9	43	70	97			
GR FIR	119.1	68.1	31	98	164			
LP PINE	47.1	44.2	50	90	130			
TOTAL	*80.2*	*15.7*	*90*	*107*	*124*	*267*	*136*	*67*

CL: 68.1 % SD: 1.0

TREES/ACRE

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	7	INF. POP. 10
WR CEDAR	241.5	55.4	2	5	7			
WR CEDAR-L	100.4	23.0	21	27	33			
W LARCH	205.2	47.1	6	11	16			
W LARCH-L	220.0	50.5	2	4	6			
DOUG FIR	200.8	46.1	8	16	23			
GR FIR	220.0	50.5	6	12	18			
LP PINE	326.2	74.9	1	5	8			
TOTAL	*60.6*	*13.9*	*67*	*78*	*89*	*154*	*79*	*39*

CL: 68.1 % SD: 1.0

BASAL AREA/ACRE

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	7	INF. POP. 10
WR CEDAR	190.4	43.7	3	6	9			
WR CEDAR-L	84.5	19.4	17	21	25			
W LARCH	205.2	47.1	4	8	12			
W LARCH-L	220.0	50.5	2	5	8			
DOUG FIR	200.0	45.9	5	10	15			
GR FIR	209.9	48.2	5	9	13			
LP PINE	326.2	74.9	1	3	5			
TOTAL	*46.7*	*10.7*	*55*	*62*	*69*	*92*	*47*	*23*

CL: 68.1 % SD: 1.0

NET BF/ACRE

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	7	INF. POP. 10
WR CEDAR	220.7	50.6	212	430	648			

DRAFT

TC TSTATS

STATISTICS

PROJECT KLINEFIT

DATE 6/23/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
31N	39E	16	KLINES FIT	00U5	65.59	20	69	S	E

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-L	87.7	20.1	1,310	1,640	1,970			
W LARCH	205.2	47.1	661	1,248	1,836			
W LARCH-L	220.0	50.5	363	733	1,104			
DOUG FIR	200.0	45.9	542	1,001	1,460			
GR FIR	220.8	50.7	379	768	1,157			
LP PINE	326.2	74.9	89	354	620			
TOTAL	*63.3*	*14.5*	*5,279*	*6,176*	*7,073*	*169*	*86*	*42*

CL: 68.1 %	COEFF		**V-BAR/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
WR CEDAR	220.7	50.6	35	72	108			
WR CEDAR-L			62	78	94			
W LARCH	138.1	31.7	83	156	230			
W LARCH-L			73	147	221			
DOUG FIR			54	100	146			
GR FIR	67.6	15.5	42	85	129			
LP PINE	288.2	66.1	30	118	207			
TOTAL	*276.3*	*63.4*	*85*	*100*	*114*	*3,216*	*1,641*	*804*

DRAFT

TC TSTNDSUM

Stand Table Summary

Project **KLINEFIT**

T31N R39E S08 T00U1

T31N R39E S08 T00U1

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
31N	39E	08	KLINES FIT	00U1	380.42	122	65

Page: 1
Date: 6/20/201(
Time: 9:44:06AM

Spc	S T	DBH	Sample Trees	FF 16'	Av Ht Tot	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
DF		10	1	79	45	1.744	.95	1.74	10.2	30.0	.51	18	52	193	68	20
DF		12	1	76	71	1.257	1.05	2.51	11.1	45.0	.80	28	113	303	106	43
DF		13	3	77	77	3.363	3.08	6.73	13.5	56.7	2.60	91	381	987	346	145
DF		14	3	78	65	2.807	2.95	5.17	16.0	65.0	2.37	83	336	900	316	128
DF		15	1	85	77	.715	.84	1.43	19.0	85.0	.77	27	122	294	103	46
DF		16	1	74	76	.775	1.08	1.55	19.6	70.0	.87	30	109	330	116	41
DF		17	2	80	89	1.185	1.88	2.97	21.0	93.9	1.77	62	279	675	237	106
DF		18	3	76	83	1.781	3.07	3.56	27.5	111.7	2.80	98	398	1,063	373	151
DF		19	1	80	82	.492	.93	.98	29.9	125.0	.84	29	123	319	112	47
DF		20	1	81	87	.434	.93	1.30	23.6	113.3	.88	31	148	334	117	56
DF		21	1	78	83	.420	1.00	.84	38.0	165.0	.91	32	139	346	121	53
DF		25	1	79	98	.282	.98	.85	40.2	190.0	.97	34	161	369	129	61
DF		27	1	85	82	.213	.82	.43	61.3	270.0	.75	26	115	284	100	44
DF		32	1	83	82	.155	.88	.31	24.3	90.0	.80	8	28	304	29	11
DF		Totals	21	78	73	15.624	20.46	30.38	19.7	82.4	17.62	598	2,503	6,701	2,273	952
GF		7	1	80	63	2.484	.72	2.48	6.8	30.0	.48	17	75	184	64	28
GF		9	1	74	64	2.141	.84	2.14	9.3	50.0	.57	20	107	216	75	41
GF		10	1	80	60	1.324	.72	2.65	6.9	30.0	.52	18	79	200	70	30
GF		11	3	80	67	3.265	2.16	5.35	10.8	40.2	1.66	58	215	631	220	82
GF		12	1	89	76	.768	.58	1.54	11.5	55.0	.51	18	84	193	67	32
GF		13	1	89	82	.582	.57	1.16	16.9	80.0	.56	20	93	214	75	35
GF		14	2	76	67	1.535	1.56	3.07	13.9	45.2	1.22	43	139	466	163	53
GF		15	3	86	83	1.479	1.86	3.39	18.8	89.3	1.82	64	303	694	242	115
GF		16	2	89	90	.848	1.15	2.11	19.7	86.5	1.19	42	183	453	158	69
GF		17	1	80	70	.442	.72	.88	23.1	100.0	.59	20	88	223	78	34
GF		18	3	82	80	1.157	2.04	2.66	25.1	110.8	1.91	67	295	728	254	112
GF		19	1	84	70	.329	.65	.66	27.3	90.0	.51	18	59	196	68	23
GF		22	2	89	111	.445	1.15	1.34	37.8	215.1	1.44	50	287	549	192	109
GF		Totals	22	81	71	16.800	14.74	29.44	15.4	68.2	13.00	454	2,008	4,946	1,726	764
WL		10	2	83	67	2.995	1.61	5.99	7.1	32.1	1.03	43	192	391	163	73
WL		12	1	81	76	1.167	.86	2.33	10.0	30.0	.56	23	70	214	89	27
WL		14	2	77	87	1.775	1.85	4.30	13.5	43.5	1.39	58	187	530	221	71
WL		15	2	77	101	1.491	1.87	3.81	16.5	64.8	1.51	63	247	573	239	94
WL		16	1	77	97	.662	.95	1.99	16.0	50.0	.76	32	99	291	121	38
WL		18	1	76	105	.519	.95	1.56	14.1	43.3	.77	22	67	294	83	26
WL		20	1	81	112	.399	.84	1.20	27.3	126.7	.79	33	152	299	124	58
WL		21	1	80	113	.358	.88	1.07	31.4	140.0	.81	34	150	308	128	57
WL		22	1	80	95	.319	.86	.96	29.4	116.7	.67	28	112	256	107	42
WL		23	2	79	108	.609	1.76	1.83	35.2	156.6	1.54	64	286	587	244	109
WL		Totals	14	80	87	10.294	12.41	25.03	16.0	62.4	9.84	400	1,563	3,742	1,520	594
LP		8	1	86	54	2.594	.97	5.19	4.0	15.0	.49	21	78	187	78	30
LP		9	1	81	55	2.784	1.10	2.78	9.3	50.0	.62	26	139	235	98	53
LP		Totals	2	83	55	5.378	2.07	7.97	5.8	27.2	1.11	46	217	422	176	83
WL	D	12	1	79	60	.647	.53	.65	15.8	50.0	.25	10	32	93	39	12
WL	D	19	2	81	72	.507	.99	.76	37.3	130.6	.68	28	99	258	107	38
WL		Totals	3	80	65	1.154	1.51	1.40	27.4	93.5	0.92	38	131	351	146	50
DF	D	16	1	77	77	.376	.54	.38	40.4	130.0	.43	15	49	165	58	19
DF		Totals	1	77	77	.376	.54	.38	40.4	130.0	0.43	15	49	165	58	19

DRAFT

TC TSTNDSUM

Stand Table Summary

Project **KLINEFIT**

T31N R39E S08 T00U1

T31N R39E S08 T00U1

Date: 6/20/201(

Time: 9:44:06AM

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
31N	39E	08	KLINES FIT	00U1	380.42	122	65

Spc	ST	DBH	Sample Trees	FF 16'	Av Ht Tot	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
PP		32	1	86	102	.040	.22	.12	61.3	346.7	.18	7	42	67	28	16
PP		Totals	1	86	102	.040	.22	.12	61.3	346.7	0.18	7	42	67	28	16
ES		11	1	74	57	.450	.29	.45	15.7	50.0	.18	7	22	70	27	9
ES		Totals	1	74	57	.450	.29	.45	15.7	50.0	0.18	7	22	70	27	9
Totals			65	80	73	50.117	52.24	95.16	16.4	68.7	43.28	1565	6,534	16,465	5,955	2,486

DRAFT

TC TSTNDSUM

Stand Table Summary

Project KLINEFIT

T31N R39E S16 T00U2

T31N R39E S16 T00U2

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
31N	39E	16	KLINES FIT	00U2	269.68	88	219

Page: 1
Date: 6/21/201(
Time: 4:18:32PM

Spc	S T	DBH	Sample Trees	FF 16'	Av Ht Tot	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
DF		7	1	82	17	.827	.23									
DF		8	1	83	17	.591	.23									
DF		9	6	77	38	4.398	1.90	4.88	4.8	21.1	.67	24	103	181	63	28
DF		10	4	81	42	2.167	1.16	1.34	11.4	50.0	.44	15	67	118	41	18
DF		11	4	83	33	1.568	1.00	.98	9.0	40.0	.25	9	39	68	24	11
DF		12	8	82	31	2.649	2.05	1.26	13.1	46.0	.47	16	58	126	44	16
DF		13	6	80	39	1.827	1.68	1.67	12.1	47.4	.57	20	79	155	54	21
DF		14	3	81	72	.998	1.02	2.00	14.2	62.7	.81	28	125	218	77	34
DF		15	1	82	17	.193	.23									
DF		16	7	79	50	1.570	2.16	1.79	22.2	83.4	1.13	40	150	306	107	40
DF		17	5	82	34	.820	1.26	.46	24.3	110.0	.31	11	50	85	30	14
DF		18	4	80	48	.678	1.17	.82	22.9	88.5	.54	19	73	145	51	20
DF		19	1	80	82	.184	.35	.37	29.9	125.0	.31	11	46	84	30	12
DF		20	2	82	71	.270	.57	.48	26.9	136.7	.37	13	66	100	35	18
DF		21	2	83	17	.188	.45									
DF		22	1	83	88	.121	.32	.36	30.8	150.0	.32	11	54	86	30	15
DF		23	1	82	108	.111	.33	.33	39.3	196.7	.37	13	66	101	35	18
DF		25	1	83	17	.069	.23									
DF		Totals	58	80	40	19.230	16.33	16.74	13.8	58.3	6.57	231	976	1,773	622	263
RC		8	2	72	17	1.323	.45									
RC		9	2	77	42	1.692	.75	1.69	6.3	25.0	.25	11	42	68	29	11
RC		10	1	76	48	.747	.38	.75	8.9	30.0	.16	7	22	42	18	6
RC		12	1	86	70	.416	.30	.83	11.0	55.0	.21	9	46	58	25	12
RC		13	1	84	72	.378	.32	.76	12.3	55.0	.22	9	42	59	25	11
RC		15	1	77	73	.289	.37	.58	19.3	55.0	.26	11	32	71	30	9
RC		21	2	75	82	.332	.80	.66	40.4	154.9	.63	27	103	170	72	28
RC		22	1	69	66	.171	.46	.34	38.5	95.0	.31	13	32	83	35	9
RC		25	1	73	17	.066	.23									
RC		Totals	12	76	45	5.413	4.07	5.61	15.5	56.9	2.05	87	319	552	235	86
GF		8	2	70	42	2.556	.90	2.56	6.8	23.9	.50	17	61	135	47	16
GF		9	1	86	17	.551	.23									
GF		10	2	85	17	.817	.45									
GF		11	3	83	35	1.231	.80	1.03	8.0	30.0	.23	8	31	63	22	8
GF		12	2	84	43	.704	.55	.85	9.8	40.0	.24	8	34	64	23	9
GF		15	2	84	56	.432	.55	.50	22.8	110.0	.33	11	55	88	31	15
GF		18	3	86	47	.425	.75	.50	22.2	116.7	.32	11	59	86	30	16
GF		22	1	85	17	.089	.23									
GF		28	1	85	17	.055	.23									
GF		Totals	17	79	37	6.859	4.69	5.44	10.4	44.0	1.62	57	239	437	153	65
DF	D	10	2	77	62	1.315	.74	1.32	13.0	50.0	.49	17	66	131	46	18
DF	D	11	1	83	17	.332	.23									
DF	D	13	1	83	17	.254	.23									
DF	D	19	1	73	81	.228	.43	.46	29.1	110.0	.38	13	50	102	36	14
DF	D	24	1	77	92	.121	.37	.24	55.5	220.0	.38	13	53	103	36	14
DF	D	31	1	74	82	.076	.40	.15	85.5	330.0	.37	13	50	99	35	13
DF		Totals	7	78	54	2.327	2.40	2.17	26.2	101.2	1.62	57	219	436	153	59
RC	L	10	3	72	17	1.305	.68									
RC	L	11	1	73	17	.357	.23									
RC	L	12	1	74	65	.541	.40	.54	19.0	40.0	.24	10	22	65	28	6

DRAFT

TC TSTNDSUM

Stand Table Summary

Project **KLINEFIT**

T31N R39E S16 T00U2

T31N R39E S16 T00U2

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
31N	39E	16	KLINES FIT	00U2	269.68	88	219

Date: 6/21/201(

Time: 4:18:32PM

Spc	ST	DBH	Sample Trees	FF 16'	Av Ht Tot	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
RC	L	13	7	73	17	1.732	1.59									
RC	L	14	2	72	17	.438	.45									
RC	L	15	3	78	63	.762	.94	1.13	19.9	82.5	.53	22	93	142	61	25
RC	L	16	6	74	30	1.091	1.50	.56	18.7	40.0	.24	10	22	66	28	6
RC	L	17	4	73	17	.596	.91									
RC	L	18	3	73	17	.389	.68									
RC	L	19	4	64	45	.716	1.41	.74	29.8	50.0	.52	22	37	141	60	10
RC	L	20	1	72	17	.102	.23									
RC	L	21	1	73	17	.099	.23									
RC	L	22	1	73	17	.085	.23									
RC	L	23	1	73	17	.077	.23									
RC	L	26	1	72	65	.114	.43	.23	51.9	135.0	.28	12	31	75	32	8
RC		Totals	39	73	29	8.405	10.13	3.20	24.1	64.1	1.81	77	205	489	208	55
WL		15	1	86	17	.185	.23									
WL		16	1	87	17	.173	.23									
WL		22	1	81	96	.134	.35	.40	29.3	130.0	.28	12	52	76	32	14
WL		Totals	3	85	38	.492	.80	.40	29.3	130.0	0.28	12	52	76	32	14
ES		14	1	87	88	.265	.30	.53	20.1	95.0	.28	11	50	75	29	14
ES		Totals	1	87	88	.265	.30	.53	20.1	95.0	0.28	11	50	75	29	14
DF	L	10	2	83	17	.794	.45									
DF	L	11	3	82	17	1.042	.68									
DF	L	12	4	83	17	1.153	.91									
DF	L	13	3	82	17	.744	.68									
DF	L	14	3	82	17	.645	.68									
DF	L	15	2	83	17	.363	.45									
DF	L	16	7	83	17	1.138	1.59									
DF	L	17	6	83	17	.868	1.36									
DF	L	18	2	82	17	.250	.45									
DF	L	19	3	81	39	.412	.81	.35	29.3	115.0	.29	10	40	79	28	11
DF	L	20	9	82	17	.959	2.05									
DF	L	21	3	83	17	.295	.68									
DF	L	22	1	82	17	.085	.23									
DF	L	23	3	82	17	.245	.68									
DF	L	24	1	82	17	.072	.23									
DF	L	25	2	82	17	.135	.45									
DF	L	26	1	83	17	.062	.23									
DF	L	27	2	83	17	.113	.45									
DF	L	44	1	83	17	.022	.23									
DF		Totals	58	82	18	9.396	13.31	.35	29.3	115.0	0.29	10	40	79	28	11
PP		12	1	86	17	.285	.23									
PP		Totals	1	86	17	.285	.23									
PP	L	12	2	86	17	.599	.45									
PP	L	14	1	85	17	.219	.23									
PP	L	16	1	86	17	.161	.23									
PP	L	17	1	85	17	.148	.23									
PP	L	18	3	86	17	.389	.68									
PP	L	19	1	86	17	.122	.23									
PP	L	20	1	85	17	.104	.23									

DRAFT

TC TSTNDSUM

Stand Table Summary

Project **KLINEFIT**

T31N R39E S16 T00U2

T31N R39E S16 T00U2

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
31N	39E	16	KLINES FIT	00U2	269.68	88	219

Date: 6/21/201(

Time: 4:18:32PM

Spc	ST	DBH	Sample Trees	FF 16'	Av Ht Tot	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
PP	L	21	1	85	17	.092	.23									
PP	L	23	3	86	17	.234	.68									
PP	L	24	1	86	17	.071	.23									
PP	L	31	1	85	17	.045	.23									
PP	L	32	1	85	17	.041	.23									
PP	L	37	1	86	17	.030	.23									
PP		Totals	18	86	17	2.254	4.09									
WL	L	14	1	87	17	.229	.23									
WL	L	15	3	87	17	.547	.68									
WL	L	21	1	87	17	.099	.23									
WL		Totals	5	87	17	.875	1.14									
Totals			219	79	34	55.800	57.48	34.43	15.7	61.0	14.52	541	2,101	3,916	1,458	567

Leave Trees - 20.93 Trees / Acre

DRAFT

TC TSTNDSUM

Stand Table Summary

Project **KLINEFIT**

T31N R39E S16 T00U3

T31N R39E S16 T00U3

Page: 1
Date: 6/20/201(
Time: 9:44:06AM

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
31N	39E	16	KLINES FIT	00U3	83.51	28	100

Spc	ST	DBH	Sample Trees	FF 16'	Av Ht Tot	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
DF		7	2	83	37	5.345	1.43	2.67	5.2	30.0	.40	14	80	33	12	7
DF		8	1	82	17	2.328	.71									
DF		9	4	83	17	6.164	2.86									
DF		10	3	79	28	4.149	2.14	1.42	10.2	30.0	.41	15	43	35	12	4
DF		11	2	82	46	2.288	1.43	2.33	9.0	45.0	.60	21	105	50	18	9
DF		12	2	84	50	1.808	1.43	1.70	14.4	80.0	.70	25	136	59	21	11
DF		13	7	83	39	5.453	5.00	4.72	12.3	55.0	1.65	58	260	138	48	22
DF		14	3	83	17	2.000	2.14									
DF		15	4	81	50	2.309	2.86	2.33	19.0	81.8	1.26	44	191	106	37	16
DF		16	4	82	17	2.085	2.86									
DF		17	1	78	101	.475	.71	1.43	18.8	83.3	.77	27	119	64	22	10
DF		18	2	82	17	.827	1.43									
DF		19	4	82	17	1.464	2.86									
DF		20	1	83	17	.324	.71									
DF		Totals	40	82	31	37.020	28.57	16.61	12.2	56.2	5.80	203	934	484	170	78
RC	L	10	2	69	46	2.544	1.43	2.54	10.1	25.1	.60	26	64	50	21	5
RC	L	11	1	71	60	1.026	.71	1.03	17.9	50.0	.43	18	51	36	15	4
RC	L	13	2	73	17	1.503	1.43									
RC	L	14	4	73	17	2.766	2.86									
RC	L	15	3	72	34	1.718	2.14	1.12	18.7	60.0	.49	21	67	41	17	6
RC	L	16	5	72	25	2.619	3.57	.55	30.8	70.0	.39	17	38	33	14	3
RC	L	17	1	72	17	.470	.71									
RC	L	18	2	73	17	.809	1.43									
RC	L	19	1	73	17	.375	.71									
RC	L	20	3	73	40	.993	2.14	.64	37.8	130.0	.57	24	83	48	20	7
RC	L	23	1	72	17	.250	.71									
RC		Totals	25	72	30	15.071	17.86	5.88	18.0	51.7	2.49	106	304	208	88	25
GF		8	2	85	17	4.094	1.43									
GF		10	1	57	48	1.211	.71	1.21	8.9	20.0	.31	11	24	26	9	2
GF		13	2	85	49	1.551	1.43	1.60	15.0	70.0	.68	24	112	57	20	9
GF		14	1	87	88	.640	.71	1.28	18.8	95.0	.69	24	122	58	20	10
GF		Totals	6	81	35	7.497	4.29	4.09	14.4	63.0	1.69	59	258	141	49	22
WL		13	1	76	91	.740	.71	1.48	15.2	60.0	.54	23	89	45	19	7
WL		18	1	87	107	.395	.71	1.19	23.7	113.3	.68	28	134	56	24	11
WL		Totals	2	80	97	1.136	1.43	2.67	19.0	83.7	1.22	51	223	102	42	19
RC		10	1	67	33	1.284	.71	1.28	6.9	20.0	.21	9	26	17	7	2
RC		16	1	64	66	.487	.71	.97	20.2	40.0	.46	20	39	39	16	3
RC		17	1	60	69	.453	.71	.91	23.9	50.0	.51	22	45	43	18	4
RC		40	2	73	17	.160	1.43									
RC		Totals	5	65	46	2.384	3.57	3.16	15.8	34.7	1.18	50	110	98	42	9
DF	L	19	2	78	51	.741	1.43	.74	29.6	105.0	.62	22	78	52	18	6
DF	L	20	2	82	17	.636	1.43									
DF	L	24	1	82	17	.233	.71									
DF		Totals	5	80	33	1.610	3.57	.74	29.6	105.0	0.62	22	78	52	18	6
DF	D	10	1	82	60	1.364	.71	1.36	11.6	50.0	.45	16	68	38	13	6
DF		Totals	1	82	60	1.364	.71	1.36	11.6	50.0	0.45	16	68	38	13	6
PP	L	8	3	86	17	6.040	2.14									

DRAFT

TC TSTNDSUM

Stand Table Summary

Project **KLINEFIT**

T31N R39E S16 T00U3

T31N R39E S16 T00U3

Page: 2
Date: 6/20/201(
Time: 9:44:06AM

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
31N	39E	16	KLINES FIT	00U3	83.51	28	100

Spc	ST	DBH	Sample Trees	FF 16'	Av Ht Tot	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
PP	L	17	2	85	17	.891	1.43									
PP	L	19	1	86	17	.383	.71									
PP	L	21	1	85	17	.303	.71									
PP	L	27	2	86	17	.366	1.43									
PP		Totals	9	86	17	7.982	6.43									
WL	L	12	2	86	17	1.789	1.43									
WL	L	14	1	87	17	.659	.71									
WL	L	15	1	87	17	.567	.71									
WL	L	16	1	86	17	.538	.71									
WL	L	18	2	87	17	.823	1.43									
WL		Totals	7	86	17	4.376	5.00									
Totals			100	80	31	78.440	71.43	34.51	14.7	57.2	13.44	507	1,975	1,123	423	165

Leave Trees - 29.039 Trees / Acre

DRAFT

TC TSTNDSUM

Stand Table Summary

Project **KLINEFIT**

T31N R39E S16 T00U4

T31N R39E S16 T00U4

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
31N	39E	16	KLINES FIT	00U4	21.72	9	43

Page: 1
Date: 6/20/201(
Time: 9:44:06AM

Spc	S T	DBH	Sample Trees	FF 16'	Av Ht Tot	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
DF		7	1	75	45	8.082	2.22	8.08	3.2	20.0	.74	26	162	16	6	4
DF		9	1	77	48	5.639	2.22	5.64	6.9	20.0	1.12	39	113	24	8	2
DF		10	4	82	59	16.344	8.89	20.11	10.4	42.5	5.99	210	855	130	46	19
DF		11	1	76	59	3.696	2.22	3.70	13.7	50.0	1.44	51	185	31	11	4
DF		12	1	81	81	2.976	2.22	5.95	11.3	55.0	1.91	67	327	41	15	7
DF		13	1	82	95	2.338	2.22	7.02	11.3	56.7	2.27	79	398	49	17	9
DF		14	1	79	79	1.992	2.22	3.98	17.1	70.0	1.94	68	279	42	15	6
DF		19	1	80	98	1.105	2.22	3.32	24.5	106.7	2.31	81	354	50	18	8
DF		25	1	79	91	.652	2.22	1.96	39.2	156.7	2.18	77	306	47	17	7
DF		26	1	81	99	.622	2.22	1.87	42.2	206.7	2.24	79	385	49	17	8
DF		Totals	13	79	61	43.447	28.89	61.62	12.6	54.6	22.14	777	3,363	481	169	73
RC	L	13	3	81	59	7.203	6.67	7.20	21.4	76.5	3.62	154	551	79	33	12
RC	L	14	3	72	67	6.388	6.67	8.56	20.6	62.4	4.15	176	534	90	38	12
RC	L	15	1	73	77	1.860	2.22	3.72	17.9	65.0	1.56	67	242	34	14	5
RC	L	16	2	73	79	3.245	4.44	6.49	21.4	67.5	3.26	139	438	71	30	10
RC		Totals	9	76	67	18.696	20.00	25.97	20.6	68.0	12.60	536	1,765	274	116	38
GF		15	1	78	103	1.763	2.22	5.29	15.6	73.3	2.37	83	388	51	18	8
GF		16	2	79	96	3.145	4.44	7.82	20.4	79.6	4.57	159	623	99	35	14
GF		21	1	81	109	.915	2.22	2.75	33.0	170.0	2.61	91	467	57	20	10
GF		Totals	4	79	100	5.824	8.89	15.86	21.0	93.2	9.55	333	1,477	207	72	32
DF	L	12	1	86	81	2.650	2.22	5.30	13.9	70.0	2.09	73	371	45	16	8
DF	L	17	1	77	75	1.393	2.22	2.79	23.3	85.0	1.85	65	237	40	14	5
DF	L	19	1	84	88	1.153	2.22	3.46	22.5	113.3	2.22	78	392	48	17	9
DF	L	21	1	80	88	.970	2.22	2.91	25.5	116.7	2.11	74	339	46	16	7
DF		Totals	4	83	82	6.165	8.89	14.45	20.1	92.7	8.27	290	1,339	180	63	29
WL	L	16	1	84	102	1.515	2.22	4.54	17.6	80.0	1.92	80	364	42	17	8
WL	L	19	2	79	104	2.306	4.44	6.92	22.5	96.6	3.74	156	668	81	34	15
WL		Totals	3	81	103	3.821	6.67	11.46	20.6	90.0	5.66	236	1,031	123	51	22
RC		13	2	78	64	5.052	4.44	5.05	22.7	90.0	2.69	115	455	59	25	10
RC		23	1	77	92	.764	2.22	1.53	50.4	220.0	1.81	77	336	39	17	7
RC		26	1	72	74	.622	2.22	1.24	56.5	160.0	1.65	70	199	36	15	4
RC		Totals	4	77	68	6.437	8.89	7.82	33.5	126.5	6.15	262	990	134	57	21
LP		12	1	81	86	3.081	2.22	6.16	11.8	55.0	1.75	73	339	38	16	7
LP		15	2	71	81	3.720	4.44	7.44	20.2	60.0	3.61	150	446	78	33	10
LP		Totals	3	76	83	6.801	6.67	13.60	16.4	57.7	5.35	223	785	116	48	17
WL		20	1	80	98	1.039	2.22	3.12	24.5	106.7	1.83	76	333	40	17	7
WL		Totals	1	80	98	1.039	2.22	3.12	24.5	106.7	1.83	76	333	40	17	7
PP	L	12	1	86	17	2.693	2.22									
PP	L	27	1	85	17	.563	2.22									
PP		Totals	2	86	17	3.256	4.44									
Totals			43	79	69	95.487	95.56	153.91	17.8	72.0	71.56	2733	11,084	1,554	594	241

DRAFT

Leave Trees - 31.938 Trees / Acre

TC TSTNDSUM

Stand Table Summary

Project **KLINEFIT**

T31N R39E S16 T00U5

T31N R39E S16 T00U5

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
31N	39E	16	KLINES FIT	00U5	65.59	20	69

Page: 1
Date: 6/20/201(
Time: 9:44:06AM

Spc	S T	DBH	Sample Trees	FF 16'	Av Ht Tot	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
RC	L	10	4	78	50	6.916	4.00	5.22	13.7	46.6	1.68	72	243	110	47	16
RC	L	11	1	79	68	1.601	1.00	1.60	14.8	70.0	.56	24	112	37	16	7
RC	L	12	4	73	26	5.060	4.00	1.36	17.9	50.0	.57	24	68	38	16	4
RC	L	13	2	70	39	2.121	2.00	1.05	23.9	60.0	.59	25	63	39	17	4
RC	L	14	3	71	30	2.799	3.00	1.01	22.8	50.0	.54	23	50	35	15	3
RC	L	15	1	73	17	.872	1.00									
RC	L	16	1	73	17	.725	1.00									
RC	L	17	3	70	52	1.921	3.00	2.56	22.6	65.0	1.36	58	166	89	38	11
RC	L	19	1	72	17	.497	1.00									
RC	L	21	1	73	17	.420	1.00									
RC		Totals	21	74	39	22.932	21.00	12.80	17.6	54.9	5.30	226	703	348	148	46
WL		9	1	87	17	2.368	1.00									
WL		10	4	87	37	7.391	4.00	3.67	9.7	50.0	.86	36	183	56	23	12
WL		13	2	84	108	2.204	2.00	6.61	8.5	43.1	1.78	56	285	117	37	19
WL		21	1	86	17	.404	1.00									
WL		Totals	8	86	45	12.366	8.00	10.28	8.9	45.5	2.63	92	468	173	60	31
RC		9	1	78	46	2.315	1.00	2.31	6.4	20.0	.35	15	46	23	10	3
RC		17	1	68	78	.673	1.00	1.35	22.5	50.0	.71	30	67	47	20	4
RC		19	1	76	76	.530	1.00	1.06	28.3	80.0	.70	30	85	46	20	6
RC		20	1	64	79	.463	1.00	.93	8.4	45.0	.61	8	42	40	5	3
RC		21	1	75	78	.428	1.00	.86	38.8	125.0	.78	33	107	51	22	7
RC		29	1	75	99	.214	1.00	.64	26.5	130.0	.80	17	83	52	11	5
RC		Totals	6	74	63	4.623	6.00	7.14	18.6	60.2	3.95	133	430	259	87	28
GF		8	1	81	55	2.794	1.00	2.79	6.8	30.0	.54	19	84	36	12	5
GF		11	1	85	17	1.436	1.00									
GF		12	1	85	17	1.339	1.00									
GF		14	3	84	63	2.834	3.00	3.80	8.4	25.4	1.89	32	96	124	21	6
GF		15	1	85	17	.783	1.00									
GF		16	1	86	17	.707	1.00									
GF		17	1	85	94	.620	1.00	1.86	20.2	86.7	1.07	38	161	70	25	11
GF		Totals	9	84	44	10.514	9.00	8.45	10.5	40.4	3.51	88	341	230	58	22
LP		9	2	84	42	4.195	2.00	4.24	7.2	30.0	.73	30	127	48	20	8
LP		14	1	78	79	.909	1.00	1.82	17.2	60.0	.75	31	109	49	20	7
LP		Totals	3	83	48	5.104	3.00	6.06	10.2	39.0	1.48	62	236	97	40	15
DF		9	1	83	17	2.214	1.00									
DF		10	2	80	36	3.752	2.00	1.99	10.9	50.0	.62	22	99	41	14	7
DF		13	3	80	33	3.394	3.00	2.24	12.3	45.0	.78	28	101	51	18	7
DF		16	1	82	17	.753	1.00									
DF		20	1	82	17	.463	1.00									
DF		21	2	83	17	.824	2.00									
DF		Totals	10	81	28	11.400	10.00	4.23	11.6	47.4	1.40	49	200	92	32	13
WL	L	13	2	86	17	2.158	2.00									
WL	L	14	1	86	17	.949	1.00									
WL	L	15	1	82	90	.815	1.00	1.63	20.1	90.0	.79	33	147	52	22	10
WL	L	17	1	86	17	.606	1.00									
WL		Totals	5	85	30	4.527	5.00	1.63	20.1	90.0	0.79	33	147	52	22	10
DF	L	14	1	82	17	1.006	1.00									

DRAFT

TC TSTNDSUM

Stand Table Summary

Project **KLINEFIT**

T31N R39E S16 T00U5

T31N R39E S16 T00U5

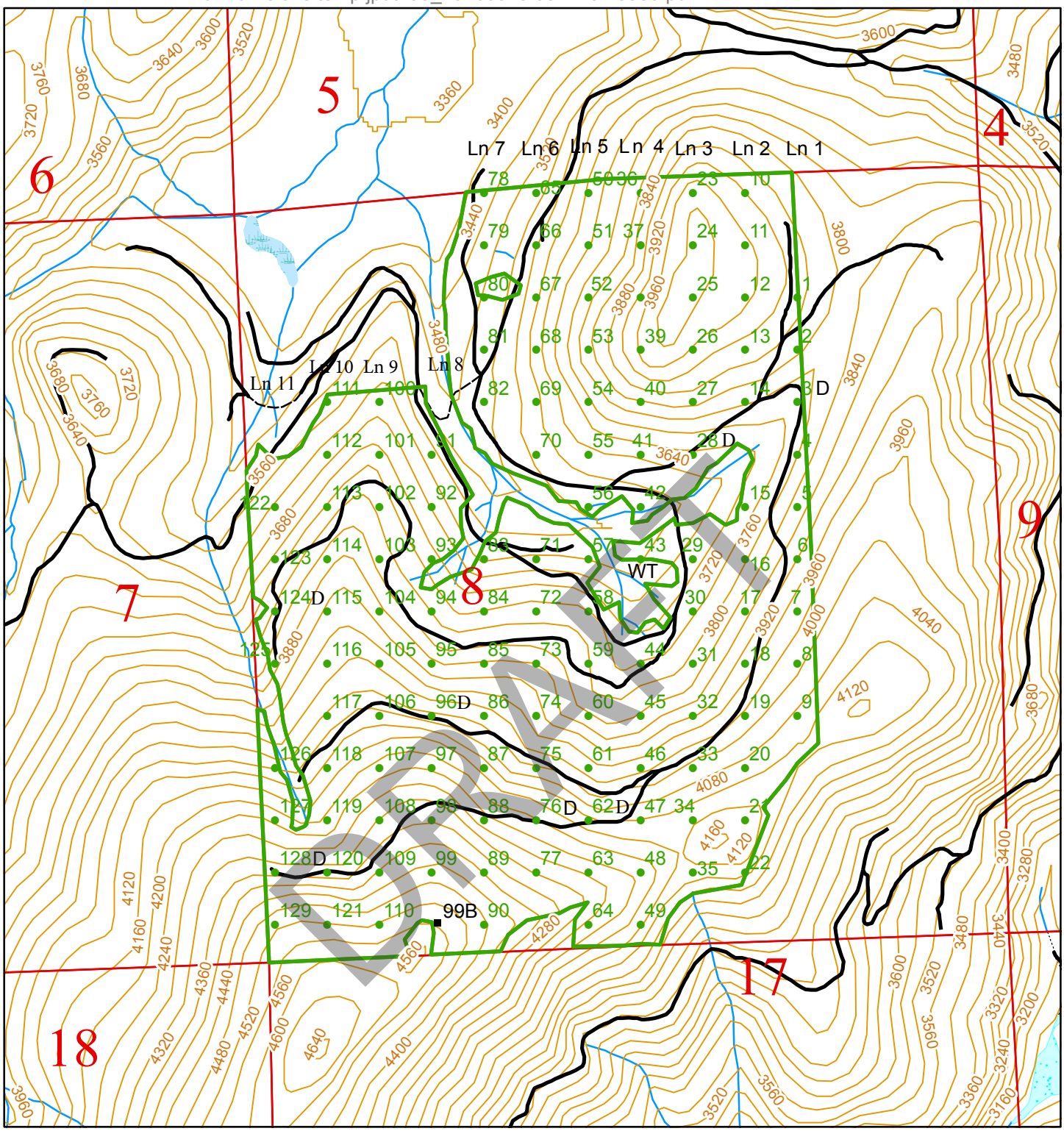
Page: 2
Date: 6/20/201(
Time: 9:44:06AM

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
31N	39E	16	KLINES FIT	00U5	65.59	20	69

Spc	ST	DBH	Sample Trees	FF 16'	Av Ht Tot	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
DF	L	15	1	82	17	.773	1.00									
DF	L	17	1	82	17	.650	1.00									
DF		Totals	3	82	17	2.429	3.00									
PP	L	10	1	85	17	1.833	1.00									
PP	L	12	1	86	17	1.212	1.00									
PP	L	17	2	85	17	1.277	2.00									
PP		Totals	4	85	17	4.323	4.00									
Totals			69	80	39	78.217	69.00	50.59	13.5	49.9	19.07	682	2,526	1,251	448	166

Leave Trees - 34.211 Trees / Acre

DRAFT



FMU POLYGON AND SAMPLE POINT INFORMATION

FMU_NM:	KLINES MEADOW FIT U1	Township:	T31R39E
FMU_ID:	23530	DNR Region:	NORTHEAST
Acres:	380	Total Sample Points:	129
County:	STEVENS	Spacing Between Points:	Width: 370 Height: 370
Deleted Plot	D	Point Rotation Degrees:	0
Walk Through Plot	WT		

p

N

0 350 700 1,400 2,100 2,800 Feet

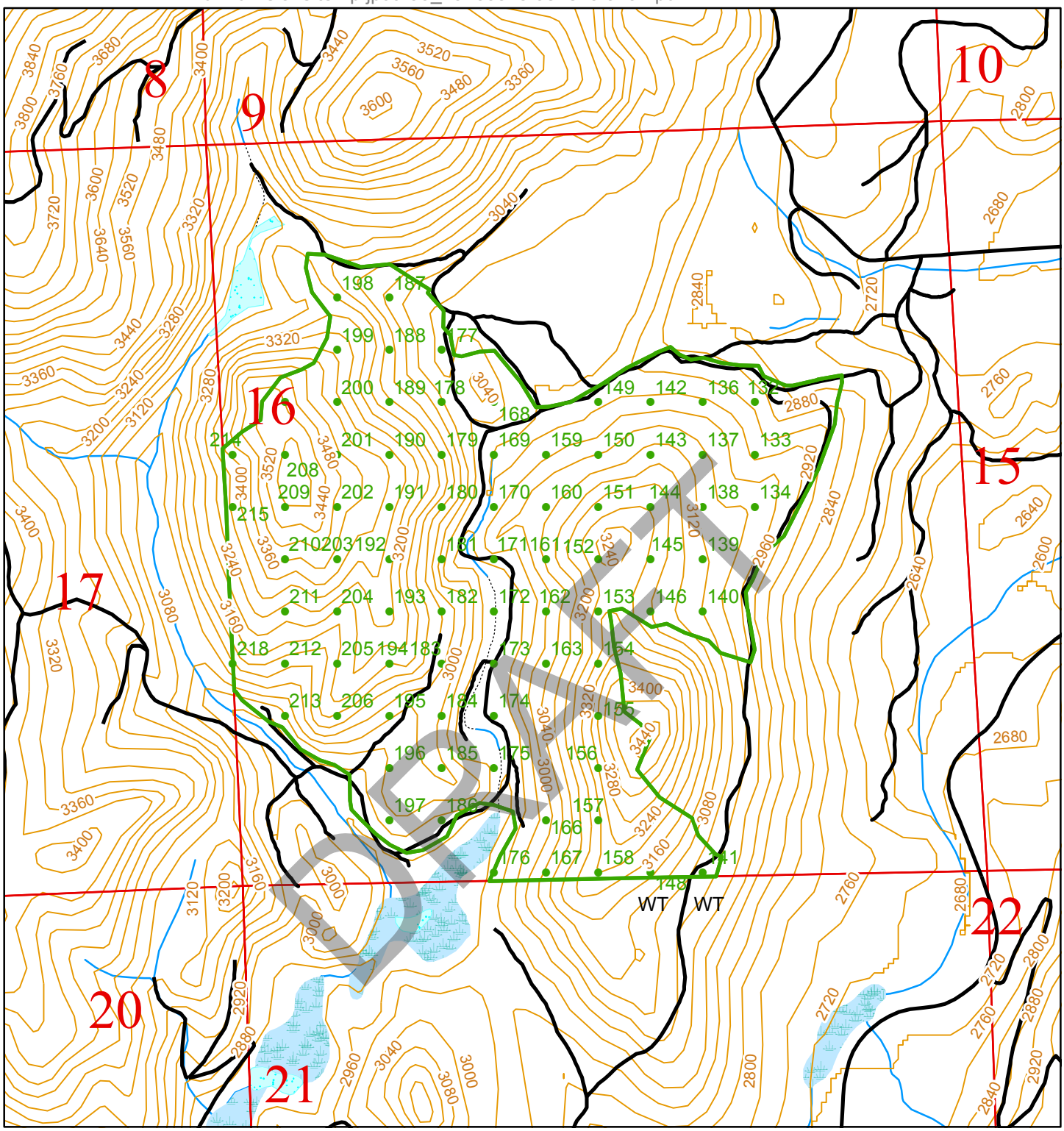
Scale 1:12,000

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 25, 2016 08:15 AM



FMU POLYGON AND SAMPLE POINT INFORMATION

FMU_NM:	KLINES MEADOW FIT U2	Township:	T31R39E
FMU_ID:	9494	DNR Region:	NORTHEAST
Acres:	270	Total Sample Points:	89
County:	STEVENS	Spacing Between Points:	Width: 370 Height: 370
Walk Through Plot	WT	Point Rotation Degrees:	0

N

0 350 700 1,400 2,100 2,800 Feet

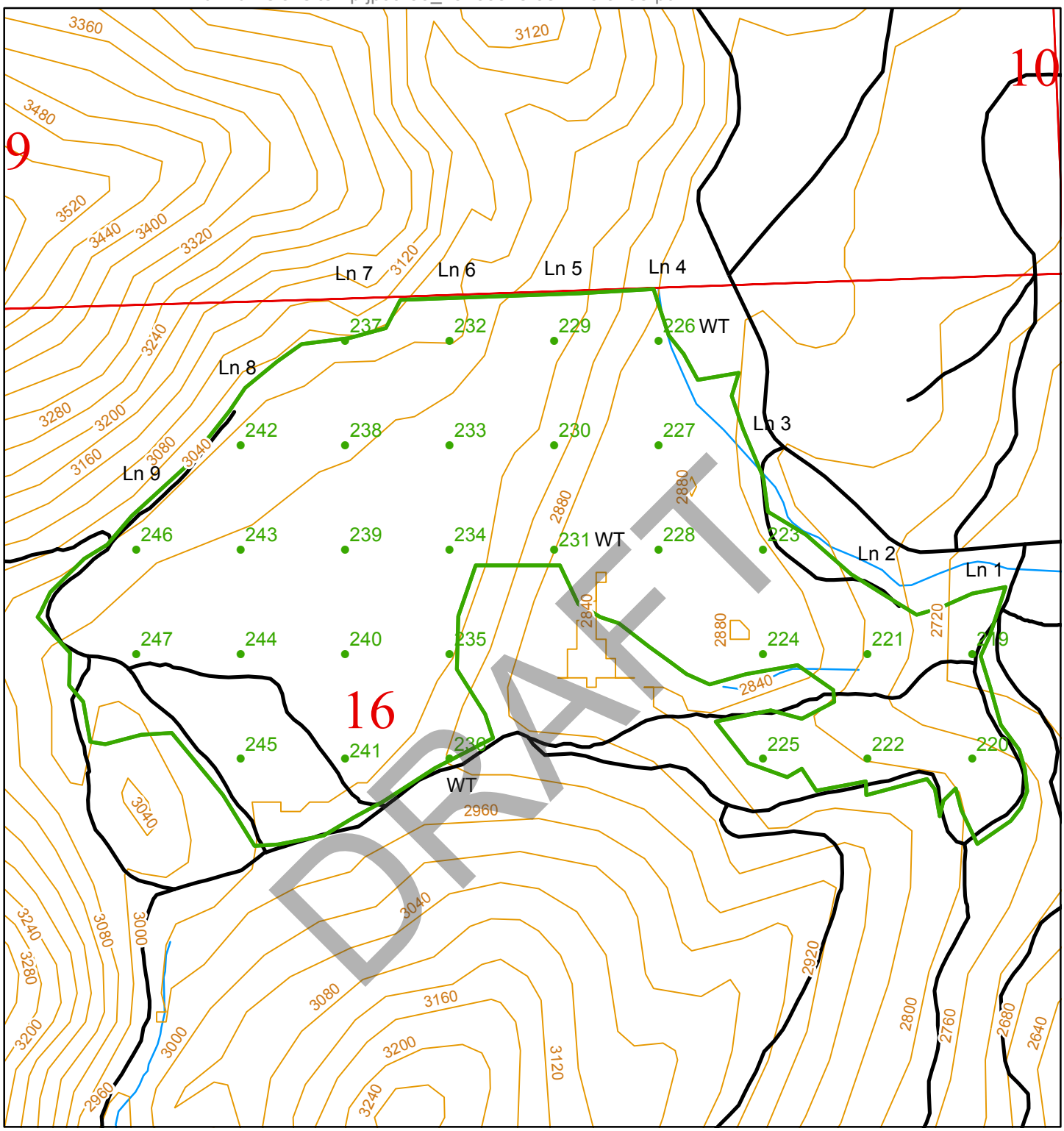
Scale 1:12,000

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 25, 2016 08:19 AM



FMU POLYGON AND SAMPLE POINT INFORMATION

FMU_NM:	KLINES MEADOW FIT U3	Township:	T31R39E
FMU_ID:	9493	DNR Region:	NORTHEAST
Acres:	84	Total Sample Points:	29
County:	STEVENS	Spacing Between Points:	Width: 370 Height: 370
Walk Through Plot	WT	Point Rotation Degrees:	0

N

0 175 350 700 1,050 1,400 Feet

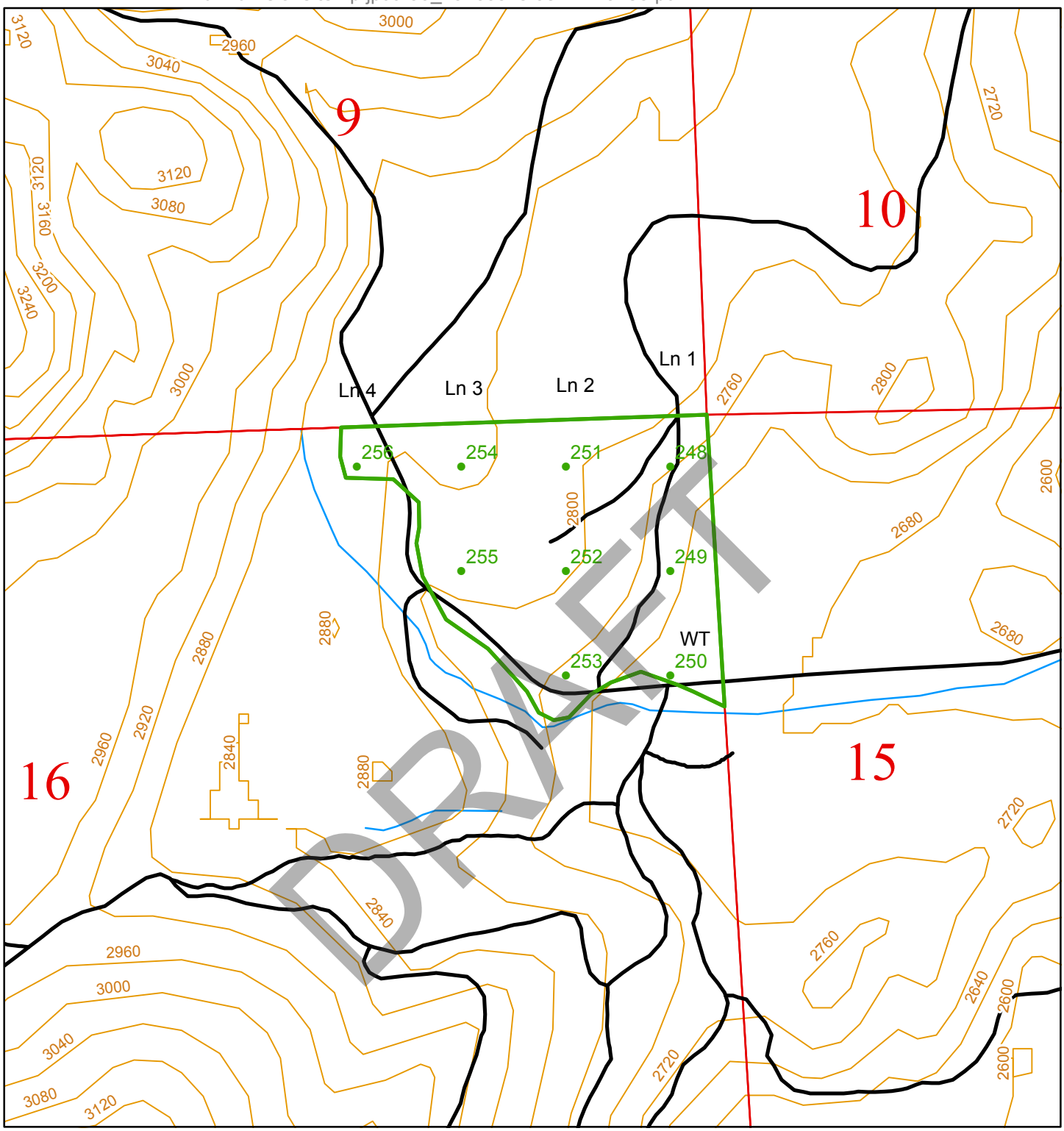
Scale 1:6,000

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 25, 2016 08:24 AM



FMU POLYGON AND SAMPLE POINT INFORMATION

FMU_NM:	KLINES MEADOW FIT U4	Township:	T31R39E
FMU_ID:	9485	DNR Region:	NORTHEAST
Acres:	22	Total Sample Points:	9
County:	STEVENS	Spacing Between Points:	Width: 370 Height: 370
Walk Through Plot	WT	Point Rotation Degrees:	0

N

0 175 350 700 1,050 1,400 Feet

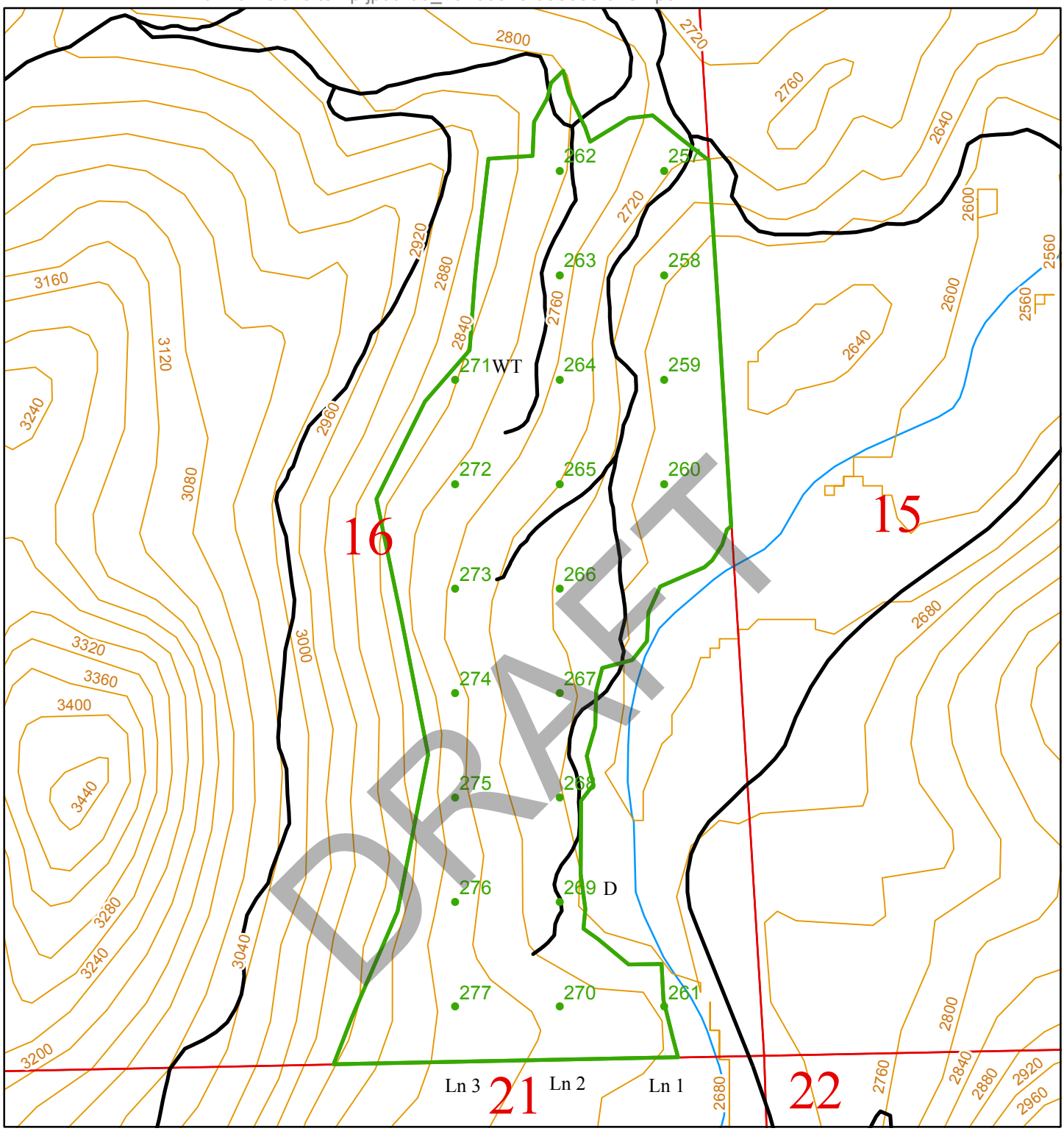
Scale 1:6,000

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 25, 2016 08:27 AM



FMU POLYGON AND SAMPLE POINT INFORMATION

FMU_NM:	KLINES MEADOW FIT U5	Township:	T31R39E
FMU_ID:	9484	DNR Region:	NORTHEAST
Acres:	66	Total Sample Points:	21
County:	STEVENS	Spacing Between Points:	Width: 370 Height: 370
Deleted Plot	D	Point Rotation Degrees:	0
Walk Through Plot	WT		

N

0 175 350 700 1,050 1,400 Feet

Scale 1:6,000

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 25, 2016 08:30 AM