WASHINGTON STATE DEPARTMENT OF
NATURAL RESOURCES

TIMBER NOTICE OF SALE

***SALE NAME**: RALLY CAR* ***AGREEMENT NO**: 30-094683*

AUCTION: March 30, 2017 starting at 10:00 a.m., Pacific Cascade Region Office, Castle Rock, WA **COUNTY:** Clark

SALE LOCATION: Sale located approximately 14 miles east of Woodland

PRODUCTS SOLD AND SALE AREA: All timber, except trees marked with blue paint, snags, all down timber greater than 36 inches in diameter, and all pre-exisiting stumps, bound by the following: white "Timber Sale Boundary" tags pink flagging along private property lines and reprod in unit 1; white "Timber Sale Boundary" tags, pink flagging along private property lines and the NE Headland Rd. in unit 2; units 3-4 are Hardwood Conversion Units bound by "White Timber Sale Boundary" tags with pink flagging and yellow/green flagging; unit 6 is bound by orange "Right-of-Way" tags and orange flagging. on part(s) of Sections 34 and 35 all in Township 6 North, Range 2 East, W.M., containing 135 acres, more or less.

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

ESTIMATED SALE VOLUMES AND QUALITY:

Species	Avg DBH	Ring Count	Total MBF	MBF by Grade 1P	2P	3P	1S	2S	3S	4S	UT
Douglas fir	15.4	7	956					389	399	165	4
Red alder	12.1		867					31	196	524	116
Hemlock	17	7	[illegible]					124	56	25	3
Maple	16.1		63				12	8	9	15	19
Sale Total			2,094								

MINIMUM BID: $0.[illegible] **BID METHOD:** Sealed Bids

PERFORMANCE SECURITY: $0.00 **SALE TYPE:** Lump Sum

EXPIRATION DATE: October 31, 2018 **ALLOCATION:** Export Restricted

BID DEPOSIT: $0.00 or Bid Bond. Said deposit shall constitute an opening bid at the appraised price.

HARVEST METHOD: Ground based equipment and Cable. Harvesting activities are estimated to be 2% cable harvesting and 98% ground-based harvesting. Ground-based harvesting equipment shall be restricted to slopes of 40% and less, and during dry soil conditions. Shovel and ground based yarding shall be restricted from October 1 to May 1. See clauses H-140 and H-141 for further harvest requirements. A detailed felling and yarding plan shall be required prior to any harvest activities and approved in writing by the Contract Administrator.

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ROADS: 36.17 stations of required reconstruction. 141.38 stations of required pre-haul maintenance. 5.75 stations of road to be abandoned, if built. Rock for construction, reconstruction, pre-haul/ post-haul maintenance under this contract may be obtained at no cost to the Purchaser from the GM-1200 Pit located in Section 31, Township 06 North, Range 03 East, W.M. Rock used in accordance with the quantities on the ROCK LIST may be obtained from any commercial source at the Purchaser's expense. Rock sources will be subject to written approval by the Contract Administrator before their use.

ACREAGE DETERMINATION

CRUISE METHOD: The sale acres were determined by GIS delineation. Cruise was completed using variable plot cruise methods (Units 1-5) and Strip cruise method (Units 6).

FEES: $37,000.00 is due on day of sale. $9.00 per MBF is due upon removal. These are in addition to the bid price.

SPECIAL REMARKS: This sale has approximately 55 MBF of high quality 2 saw and 128 MBF of high quality 3 saw Douglas-fir, and 5 MBF of high quality 2 saw and 10 MBF of high quality 3 saw of western hemlock. Purchaser must provide a written Hazard Abatement Plan prior to beginning logging operations, along the NE Friedland Rd.

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DRIVING MAP

SALE NAME: RALLY CAR
AGREEMENT#: 30-094683
TOWNSHIP(S): T06R02E
TRUST(S): State Forest Transfer(1)

REGION: Pacific Cascade Region
COUNTY(S): CLARK
ELEVATION RGE: 892-1311

- Timber Sale Unit
- Highways
- Haul Route
- Other Route
- Milepost Markers
- Distance Indicator
- Existing Rock Pit

DRIVING DIRECTIONS:

"From SR-503 (Mile Post 54) in Woodland, WA turn south onto E CC Street and cross the Lewis River.
Stay to the left onto NW Hayes\ NE Cedar Creek Road for 11.6 miles.
Turn north onto NE Pup Creek Road and follow for1.9 miles.
Turn right ontoNE Grinnell Road and follow for 1.7 miles.
Turn left onto NE Headland Roan and follow for 0.7 miles to Unit 2.
From Unit 2, turn left onto the HR-100 and follow for 0.8 miles to Unit 1.
From the NE Grinnell Road / NE Headland Road junction follow NE Grinnell Road for 0.6 miles.
Turn left on the GM-1000 and follow for 1.1 miles.
Turn right onto the GM-1200 and follow for 0.6 miles to the GM-1200 Pit."

N

Prepared By: kket490 01/07/2016

Modification Date: 6/15/2016

Cruise Narrative

Sale Name: Rally Car	**Region:** Pacific Cascade
App. #: 30-0	**District: Yacolt**
Lead Cruiser: Eric Carlson	**Completion date:** 08-17-2016
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	91	Yes	
2	38	Yes	
3	1	Yes	
4	2	Yes	
5	1	Yes	
ROW 6	3.30	No	Cruiser estimated area.
Total	136.3	Yes	

Unit cruise specifications:

Unit #	Sample type (VP, FP, ITS,100%)	Expansion factor (BAF, full/ half)	Sighting height (4.5 ft, 1.3 m)	Grid size (Plot spacing or % of area)	Plot ratio (Cru./Tally)	Total number of plots
1	VP	27.78	4.5 ft.	208' x 208'	1:1	91
2	VP	27.78	4.5 ft.	208' x 208'	1:1	38
3	VP	27.78	4.5 ft.	148' x 148'	1:1	2
4	VP	27.78	4.5 ft.	148' x 148'	1:1	4
5	VP	27.78	4.5 ft.	148' x 148'	1:1	2
ROW 6	Strip	10	4.5 ft.	190' x 190'	Cruise all	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:

Rally Car sorts- consists of 6 units in total. Units 1 and 2 are VR units and unit 3, 4, and 5 are hardwood conversion units and unit 6 is a 3.3 acre ROW.

Unit 1 is located northwest and southwest of the HR-100 and is accessible by hiking from road. This unit consisted of Douglas –fir at 51% followed by Red Alder with 35% and small amounts of Big Leaf Maple and Western Hemlock. The timber's average diameter is 14.2 inches and the average bole ht. is 60 ft. Defect for this unit is at 3.8% and is composed of spike knots and hooked butts and sweep. This unit consisted of 91 acres of the total sale area for an average per-acre net volume of 15,922 bdft and a total volume of 1,449 mbf.

Unit 2 is located north and south of NE Headland Rd. This unit is primarily Red Alder at 54% followed by Douglas-fir at 33% and small amounts of Big Leaf Maple and Western Hemlock. The timber's average diameter is 12.7 inches and the average bole ht.is 59 ft. Defect for this unit is at [illegible] and is composed of spike-knots and hooked butts and sweep. This unit consisted of [illegible] acres of the total sale area for an average per-acre net volume of 14,898 bdft and a total volume of 566 mbf.

Unit 3,4,5 are all small hardwood conversion units. These units consisted of 91% Red Alder and small amounts of Western Hemlock, Douglas-fir and Big Leaf Maple. The timbers average diameter is 11.1 inches and the average bole ht. is 53 ft. Defect for this unit is 2.3% and is composed of spike-knots and hooked butts and sweep. These units consisted of 4 acres of the total sale area for an average per-acre net volume of 10,742 bdft and a total volume of 43 mbf.

Unit 6 is a small 3.3 acre ROW unit located off the HR-100. This unit consisted of 51% Douglas-Fir followed by Red Alder with 44% and small amounts of Western Hemlock and Big Leaf Maple. The timbers average diameter is 13.8 inches and the average bole ht. is 59 ft. Defect for this unit is 2.3% and is composed of spike-knots and hooked butts and sweep. The average per-acre net volume is 10,874 bdft and the total volume is 36 mbf.

Access to all the units is relatively easy as they are all located off the roads.
The harvest system is 98% ground based and 2% uphill cable.

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

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TC PSPCSTGR

Species, Sort Grade - Board Foot Volumes (Project)

T06N R02E S34 Ty00U1
THRU
T06N R02E S34 TyROW6

Project: RALLYCAR

Acres 136.30

Page 1
Date 8/22/2016
Time 3:24:49PM

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	90											2	6		0.00	21.9
RA		D	UT	13		854	854	116	97	3			36	38	1	25	22	5	25	0.29	33.5
RA		D	2S	4	5.5	244	231	31			100		10	57		34	32	13	171	1.42	1.3
RA		D	3S	22	4.1	1,496	1,435	196		100				79		21	32	10	119	0.99	12.1
RA		D	4S	21	3.4	1,403	1,354	185		100				53		47	33	9	76	0.73	17.8
RA		D	4S	40	.7	2,501	2,484	339	100				4	22	18	56	33	5	38	0.39	65.3
RA	**Totals**			41	3.5	6,588	6,358	867	52	44	4		7	45	7	41	26	6	42	0.49	151.9
WH		CU	CU		100.0	25											1	10		0.00	2.9
WH		HB	2S	2		36	36	5			100					100	36	12	180	1.38	.2
WH		HB	3S	5		73	73	10		100					46	54	34	10	130	0.93	.6
WH		D	2S	57	4.7	915	872	119				58	2		4	95	39	15	344	2.22	2.5
WH		D	3S	22	4.5	356	340	46	34	66				5	45	50	36	8	82	0.81	4.1
WH		D	4S	12		181	181	25	100				2	37	19	43	32	5	34	0.39	5.3
WH		D	UT	2		23	23	3	100								31	5	36	0.45	.6
WH	**Totals**			10	5.3	1,609	1,524	208	21	20	27	33	1	6	17	75	29	8	94	0.94	16.3
DF		CU	CU		100.0	5											1	7		0.00	8.1
DF		HB	2S	5	.7	405	402	55			65					100	40	13	261	1.64	1.5
DF		HB	3S	14	.6	944	938	[illegible]		10[illegible]						100	39	10	133	0.84	7.0
DF		D	2S	35	4.9	2,577	2,450	[illegible]			41	59	1	0	6	93	38	15	351	2.24	7.0
DF		D	3S	28	3.7	2,065	1,989	[illegible]	29	71			1	1	19	79	37	8	92	0.71	21.7
DF		D	4S	17	.1	1,210	[illegible]	16[illegible]	97	3			12	21	29	38	30	5	33	0.31	36.4
DF		D	UT	1	.0	[illegible]	29	4				55	83		17		12	6	28	0.67	1.1
DF	**Totals**			46	3.0	[illegible]34	7,017	[illegible]6	25	34	19	22	3	4	13	80	30	8	85	0.73	82.8
BM		CU	CU		100.0	50											5	12		0.00	1.2
BM		D	UT	30		143	[illegible]	19	65	8	28		18	25	12	44	28	6	43	0.59	3.3
BM		D	1S	20	14.3	106	[illegible]	12				100	42	23		34	25	18	284	3.02	.3
BM		D	2S	13	15.4	74	62	8			100		8	51		41	30	13	167	2.64	.4
BM		D	3S	14	8.9	68	62	9		100			7	93			27	11	103	1.22	.6
BM		D	4S	8	10.1	41	37	5		100				8	45	47	35	9	89	1.30	.4
BM		D	4S	15		69	69	9	100							100	38	5	43	0.47	1.6
BM	**Totals**			3	15.7	550	464	63	35	24	22	20	16	32	7	44	27	8	59	0.84	7.8
Totals					3.9	15,981	15,362	2,094	36	36	14	14	5	22	11	63	28	7	59	0.61	258.8

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TC PSTATS

PROJECT STATISTICS

PROJECT RALLYCAR

DATE 8/22/2016

TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt
06N	02E	34	RALLYCAR	00U1	THR	136.30	141	770	S	W
06N	02E	34	RALLYCAR	ROW6						

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	141	770	5.5		
CRUISE	77	416	5.4	20,517	2.0
DBH COUNT					
REFOREST					
COUNT	63	352	5.6		
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
R ALDER	223	94.1	12.1	54	21.5	74.9	6,588	6,358	1,961	1,941
DOUG FIR	126	42.0	15.4	72	13.9	54.[illegible]	7,234	7,017	1,839	1,838
WHEMLOCK	42	8.9	17.0	58	3.4	14.[illegible]	1,609	1,524	445	441
BL MAPLE	25	5.5	16.1	44	1.9	7.8	550	464	184	175
TOTAL	*416*	*150.5*	*13.6*	*59*	*41.1*	*151.[illegible]*	*981*	*15,362*	*4,429*	*4,396*

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	10	INF. POP. 15
R ALDER	63.4	4.3	82		90			
DOUG FIR	111.6	10.0	285	316	348			
WHEMLOCK	67.9	11.0	2[illegible]	330	3[illegible]			
BL MAPLE	84.1	17.1	114	138	162			
TOTAL	*131.6*	*6.5*	*170*	*182*	*194*	*692*	*173*	*77*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	SAMPLE TREES - CF LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
R ALDER	56.5	[illegible]	25	26	27			
DOUG FIR	94.0	8.4	7[illegible]	80	86			
WHEMLOCK	59.3	9.6	[illegible]	92	100			
BL MAPLE	77.6	15.8	42	50	58			
TOTAL	*107.5*	*5.3*	*48*	*50*	*53*	*462*	*115*	*51*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	TREES/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
R ALDER	95.3	8.0	87	94	102			
DOUG FIR	142.2	12.0	37	42	47			
WHEMLOCK	232.5	19.6	7	9	11			
BL MAPLE	357.2	30.1	4	6	7			
TOTAL	*55.8*	*4.7*	*143*	*151*	*158*	*124*	*31*	*14*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	BASAL AREA/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
R ALDER	89.8	7.6	69	75	81			
DOUG FIR	131.8	11.1	49	55	61			
WHEMLOCK	196.9	16.6	12	14	16			
BL MAPLE	311.4	26.2	6	8	10			
TOTAL	*46.7*	*3.9*	*145*	*151*	*157*	*87*	*22*	*10*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	NET BF/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
R ALDER	94.9	8.0	5,850	6,358	6,865			
DOUG FIR	136.9	11.5	6,208	7,017	7,825			
WHEMLOCK	202.9	17.1	1,264	1,524	1,784			
BL MAPLE	304.7	25.6	345	464	583			

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TC PSTATS

PROJECT STATISTICS

PROJECT RALLYCAR

DATE 8/22/2016

TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt
06N	02E	34	RALLYCAR	00U1	THR	136.30	141	770	S	W
06N	02E	34	RALLYCAR	ROW6						

CL 68.1	COEFF		NET BF/ACRE			# OF PLOTS REQ.		INF. POP.
SD: 1.00	VAR.	S.E.%	LOW	AVG	HIGH	5	10	15
TOTAL	*57.5*	*4.8*	*14,619*	*15,362*	*16,105*	*132*	*33*	*15*

CL 68.1	COEFF		NET CUFT FT/ACRE			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
R ALDER	93.2	7.8	1,789	1,941	2,093			
DOUG FIR	134.3	11.3	1,630	1,838	2,046			
WHEMLOCK	201.5	17.0	367	441	516			
BL MAPLE	307.2	25.8	130	175	220			
TOTAL	*53.0*	*4.5*	*4,200*	*4,396*	*4,592*	*112*	*28*	*12*

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T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: RALLYCAR

Date 8/22/2016

Time 3:24:49PM

T06N R02E S34 T00U1

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
06N	02E	34	RALLYCAR	00U1	91.00	91	247	S	W

T06N R02E S34 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
RA		CU	CU		100.0	116											2	6		0.00	25.1
RA		DM	UT	11		639	639	58	94	6			55	32	3	10	20	5	22	0.31	28.7
RA		DM	2S	2	7.1	110	102	9			100			100			30	13	184	1.59	.6
RA		DM	3S	31	4.5	1,831	1,749	159		100				82		18	31	10	118	0.99	14.9
RA		DM	4S	18	3.8	1,079	1,038	94		100				58		42	33	8	71	0.71	14.6
RA		DM	4S	38	.4	2,125	2,118	193	100				4	19	19	58	33	5	39	0.42	54.6
RA	**Totals**			35	4.3	5,901	5,646	514	48	50	2		8	48	7	36	25	6	41	0.52	138.4
DF		CU	CU														0	7		0.00	10.0
DF		HB	2S	6	.4	520	518	47			3	17				100	39	13	250	1.59	2.1
DF		HB	3S	17	.6	1,413	1,405	128		100						100	39	10	133	0.84	10.5
DF		DM	2S	33	5.1	2,878	2,732	249				58	1	0	1	97	38	16	387	2.37	7.1
DF		DM	3S	29	2.8	2,373	2,307	210	29	71			1		8	91	38	8	95	0.70	24.2
DF		DM	4S	14		1,209	1,209	110	98				13	13	32	42	31	5	34	0.29	36.0
DF		DM	UT	1		12	12	1	1				1				8	5	10	0.14	1.2
DF	**Totals**			51	2.6	8,406	8,183	745		3	16		3	2	7	88	31	8	90	0.74	91.1
WH		CU	CU		100.0	38											1	10		0.00	3.8
WH		HB	2S	3		53					100					100	36	12	180	1.38	.3
WH		HB	3S	7		109	109	1		100					46	54	34	10	130	0.93	.8
WH		DM	2S	59	4.4		935	85			45	55			5	95	39	15	339	2.13	2.8
WH		DM	3S	18	1.7	7	272	25	49	51				6	31	62	36	7	71	0.71	3.8
WH		DM	4S	12		1	190	17	100					40	23	37	32	5	34	0.37	5.6
WH		DM	UT	1		13	13	1	100					100			27	5	30	0.34	.4
WH	**Totals**			10	5.2	1,658	1	143	21	16	30	33		7	14	79	27	9	89	0.91	17.6
BM		CU	CU		100.0	37											4	12		0.00	1.3
BM		DM	UT	34		179	179	16	60	7	33		16	26	5	52	30	6	48	0.59	3.7
BM		DM	1S	26	14.3	158	136	12				100	42	23		34	25	18	284	3.02	.5
BM		DM	2S	4	19.0	25	20	2			100			100			30	14	170	3.00	.1
BM		DM	3S	10	5.3	56	53	5		100				100			28	11	108	1.10	.5
BM		DM	4S	6	10.2	34	30	3		100				14		86	35	9	88	1.20	.3
BM		DM	4S	20		103	103	9	100							100	38	5	43	0.47	2.4
BM	**Totals**			3	12.0	592	521	47	40	19	15	26	17	30	2	52	28	8	59	0.74	8.9
Type Totals					3.8	16,556	15,922	1,449	32	39	12	16	5	20	8	67	27	7	62	0.65	256.1

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T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: RALLYCAR

Date 8/22/2016

Time 3:24:49PM

T06N R02E S34 T00U2

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
06N	02E	34	RALLYCAR	00U2	38.00	38	111	S	W

T06N R02E S34 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
RA		CU	CU		100.0	26											1	6		0.00	15.1
RA		DM	UT	17		1,389	1,389	53	100				12	44		44	27	5	32	0.27	44.1
RA		DM	2S	7	5.5	534	505	19			100			45		55	35	12	164	1.33	3.1
RA		DM	3S	8	3.1	666	646	25		100				55		45	34	10	130	1.01	5.0
RA		DM	4S	28	3.2	2,312	2,238	85		100				48		52	34	9	82	0.75	27.2
RA		DM	4S	40	1.1	3,094	3,061	116	100				3	27	18	52	33	5	37	0.35	83.0
RA		**Totals**		53	2.3	8,022	7,839	298	57	37	6		4	40	7	50	29	6	44	0.44	177.4
DF		CU	CU		100.0	18											4	6		0.00	5.2
DF		HB	2S	3	2.8	207	201	8			[illegible]					100	40	15	350	2.06	.6
DF		DM	2S	40	4.5	2,116	2,021	77							23	77	37	14	281	1.97	7.2
DF		DM	3S	29	6.8	1,543	1,437	55	28	72				[illegible]	62	36	35	8	81	0.73	17.7
DF		DM	4S	26	.4	1,345	1,341	51	97	3			9	[illegible]	24	32	29	5	33	0.33	40.5
DF		DM	UT	2		58	58	2				100	[illegible]				16	16	160	3.67	.4
DF		**Totals**		34	4.3	5,286	5,058	192	[illegible]	21	[illegible]	[illegible]	3	10	33	53	30	7	71	0.68	71.5
WH		CU	CU															6		0.00	1.0
WH		DM	2S	54	5.6	940	887	[illegible]			35	65	6			94	38	16	358	2.44	2.5
WH		DM	3S	33	7.8	588	[illegible]	[illegible]	18	82				3	64	33	35	9	102	0.99	5.3
WH		DM	4S	10		169	169	[illegible]	[illegible]				8	28		64	33	5	34	0.45	5.0
WH		DM	UT	3		[illegible]	35	1	[illegible]						100		35	5	40	0.60	.9
WH		**Totals**		11	5.7	[illegible]	1,633	[illegible]	18	27	19	35	4	4	23	68	32	8	111	1.07	14.7
BM		CU	CU		100.0	90											12	15		0.00	.8
BM		DM	UT	18		69	[illegible]	3	90	10			21	20	59		21	6	29	0.63	2.4
BM		DM	2S	43	15.8	187	[illegible]	6			100			42		58	34	13	191	2.71	.8
BM		DM	3S	22	15.4	96	81	3		100				100			30	11	110	1.43	.7
BM		DM	4S	17	10.0	67	60	2		100					100		35	9	90	1.42	.7
BM		**Totals**		2	27.7	509	368	14	17	40	43		4	44	27	25	25	10	68	1.30	5.4
Type Totals					4.2	15,549	14,898	566	44	31	16	9	4	26	18	52	29	7	55	0.56	268.9

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T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: RALLYCAR

Date 8/22/2016

Time 3:24:49PM

T06N R02E S34 T00U3 **T06N R02E S34 T00U3**

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
06N	02E	34	RALLYCAR	00U3	1.00	2	7	S	W

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
RA		DM	4S	100		7,784	7,784	8	100						15	85	38	5	38	0.31	204.5
RA	**Totals**			100		7,784	7,784	8	100						15	85	38	5	38	0.31	204.5
Type Totals						7,784	7,784	8	100						15	85	38	5	38	0.31	204.5

Draft

T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: RALLYCAR

Date 8/22/2016

Time 3:24:49PM

T06N R02E S34 T00U4 **T06N R02E S34 T00U4**

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
06N	02E	34	RALLYCAR	00U4	2.00	4	22	S	W

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
RA		CU	CU		100.0	382											12	5		0.00	25.5
RA		DM	UT	16		2,154	2,154	4	100				61	39			15	5	17	0.24	123.7
RA		DM	3S	15		1,940	1,940	4		100				100			30	11	130	1.03	14.9
RA		DM	4S	17		2,092	2,092	4		100				41		59	35	8	77	0.70	27.0
RA		DM	4S	52	1.0	6,725	6,660	13	100				2	40	8	51	34	5	39	0.38	169.4
RA	**Totals**			100	3.4	13,293	12,846	26	69	31			11	49	4	36	26	6	36	0.40	360.5
Type Totals					3.4	13,293	12,846	26	69	31			11	49	4	36	26	6	36	0.40	360.5

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T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: RALLYCAR

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T06N R02E S34 T00U5

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
06N	02E	34	RALLYCAR	00U5	1.00	2	9	S	W

T06N R02E S34 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. 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		DM	UT	11		616	616	1	100					100			25	5	25	0.29	24.3
RA		DM	3S	41		2,285	2,285	2		100				35		65	35	9	107	0.91	21.3
RA		DM	4S	16		910	910	1		100				100			30	9	70	0.76	13.0
RA		DM	4S	32		1,743	1,743	2	100						17	83	36	5	38	0.43	46.1
RA	**Totals**			58		5,553	5,553	6	42	58				42	5	53	33	6	53	0.55	104.6
BM		CU	CU															10		0.00	9.9
BM		DM	UT	11		176	176	0	100					100			23	5	20	0.46	8.8
BM		DM	2S	48		705	705	1			10		90				16	12	80	1.28	8.8
BM		DM	3S	41		597	597	1		100			100				16	10	60	1.06	9.9
BM	**Totals**			16		1,478	1,478	1	12	40			8	12			13	9	39	0.88	37.5
WH		CU	CU														6	14		0.00	9.9
WH		DM	3S	76		995	995	1								100	36	9	100	0.76	9.9
WH		DM	4S	24		298	298	0	10					100			28	5	30	0.29	9.9
WH	**Totals**			14		1,293	1,293	1		7				23		77	23	9	43	0.50	29.8
DF		DM	3S	77	12.5	1,039	910	1								100	36	8	70	0.71	13.0
DF		DM	4S	23		260		0	100				100				20	5	20	0.24	13.0
DF	**Totals**			12	10.0	1,2	1,169	1	22	78			22			78	28	7	45	0.54	26.0
Type Totals					1.4	4	9,494	9	33	60	7		16	29	3	51	27	7	48	0.57	198.0

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T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: RALLYCAR

Date 8/22/2016

Time 3:24:49PM

T06N R02E S34 TROW6

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
06N	02E	34	RALLYCAR	ROW6	3.30	4	22	S	W

T06N R02E S34 TROW6

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
RA		CU	CU														1	8		0.00	20.2
RA		DM	UT	3		152	152	1	100					100			21	6	30	0.63	5.1
RA		DM	2S	19		910	910	3			100		100				20	15	180	1.70	5.1
RA		DM	3S	35	2.9	1,770	1,720	6		100				100			30	10	113	0.93	15.2
RA		DM	4S	43	2.4	2,074	2,023	7	100					25	10	65	34	5	36	0.39	55.6
RA	**Totals**			44	2.1	4,906	4,805	16	45	36	19		19	49	4	27	25	7	47	0.55	101.2
DF		DM	2S	46	3.8	2,681	2,579	9			100					100	40	14	255	1.94	10.1
DF		DM	3S	31	2.9	1,770	1,720	6	32	68					32	68	36	8	85	0.72	20.2
DF		DM	4S	19	.0	1,062	1,062	4	100				33	38	29		23	6	26	0.32	40.5
DF		DM	UT	4		202	202	1	100						100		33	5	40	0.34	5.1
DF	**Totals**			51	2.7	5,715	5,563	18	33	21	[illegible]		6	[illegible]	19	67	30	7	73	0.74	75.9
WH		DM	4S	50		202	202	1	100						100		33	5	40	0.40	5.1
WH		DM	UT	50		202	202	1	1[illegible]						100		33	5	40	0.34	5.1
WH	**Totals**			4		405	405	[illegible]	[illegible]						100		33	5	40	0.37	10.1
BM		DM	UT	100		101	101	0	100				100				20	5	20	0.24	5.1
BM	**Totals**			1		101	[illegible]	[illegible]	100				100				20	5	20	0.24	5.1
Type Totals					2.3	[illegible]	10,874	36	[illegible]	27	32		13	26	15	47	27	7	57	0.61	192.2

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TC TSTATS

STATISTICS

PROJECT RALLYCAR

DATE 8/22/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
06N	02E	34	RALLYCAR	00U1	91.00	91	494	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	91	494	5.4		
CRUISE	46	247	5.4	12,498	2.0
DBH COUNT					
REFOREST					
COUNT	45	247	5.5		
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
R ALDER	119	79.3	12.7	51	19.6	69.9	5,901	5,646	1,798	1,771
DOUG FIR	87	42.0	16.0	79	14.7	58.[illegible]	8,406	8,183	2,087	2,087
WHEMLOCK	24	9.4	16.5	57	3.5	14.0	1,658	1,572	447	442
BL MAPLE	17	6.6	14.8	44	2.1	[illegible]	592	521	190	184
TOTAL	*247*	*137.3*	*14.2*	*60*	*40.0*	[illegible]	*16[illegible]*	*15,922*	*4,522*	*4,483*

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN TH[illegible]E ERRO[illegible]

CL: 68.1 % / SD: 1.0	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
SAMPLE TR[illegible]ES - BF								
R ALDER	60.7	5.6	86	91	96			
DOUG FIR	108.6	11.6	3[illegible]	362	40[illegible]			
WHEMLOCK	64.7	13.8	286	332	[illegible]			
BL MAPLE	85.9	21.4	118	151	183			
TOTAL	*130.3*	[illegible]	[illegible]	[illegible]	*233*	*678*	*169*	*75*

CL: 68.1 % / SD: 1.0	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
SA[illegible]LE TREES - CF								
R ALDER	49.1	4.[illegible]	27	28	30			
DOUG FIR	92.7	9.9	[illegible]	89	97			
WHEMLOCK	58.9	12.5	[illegible]8	90	101			
BL MAPLE	78.3	19.6	41	51	61			
TOTAL	*106.2*	*6.8*	*53*	*57*	*61*	*451*	*113*	*50*

CL: 68.1 % / SD: 1.0	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
TREES/ACRE								
R ALDER	97.7	10.2	71	79	87			
DOUG FIR	147.1	15.4	36	42	48			
WHEMLOCK	240.3	25.2	7	9	12			
BL MAPLE	339.1	35.5	4	7	9			
TOTAL	*54.6*	*5.7*	*129*	*137*	*145*	*119*	*30*	*13*

CL: 68.1 % / SD: 1.0	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
BASAL AREA/ACRE								
R ALDER	95.0	10.0	63	70	77			
DOUG FIR	131.1	13.7	51	59	67			
WHEMLOCK	198.6	20.8	11	14	17			
BL MAPLE	277.5	29.1	6	8	10			
TOTAL	*46.5*	*4.9*	*143*	*151*	*158*	*86*	*22*	*10*

CL: 68.1 % / SD: 1.0	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
NET BF/ACRE								
R ALDER	97.3	10.2	5,070	5,646	6,221			
DOUG FIR	128.9	13.5	7,079	8,183	9,288			
WHEMLOCK	199.1	20.9	1,244	1,572	1,900			
BL MAPLE	278.9	29.2	369	521	673			
TOTAL	*56.5*	*5.9*	*14,979*	*15,922*	*16,865*	*128*	*32*	*14*

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TC TSTATS

STATISTICS

PROJECT **RALLYCAR**

PAGE 2
DATE 8/22/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
06N	**02E**	**34**	**RALLYCAR**	**00U1**	91.00	91	494	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	10	15

CL: 68.1 %	COEFF		**NET CUFT FT/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
R ALDER	97.0	10.2	1,591	1,771	1,950			
DOUG FIR	128.9	13.5	1,805	2,087	2,368			
WHEMLOCK	199.6	20.9	349	442	534			
BL MAPLE	271.8	28.5	132	184	237			
TOTAL	*51.6*	*5.4*	*4,241*	*4,483*	*4,725*	*106*	*27*	*12*

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TC TSTATS

STATISTICS

PROJECT RALLYCAR

DATE 8/22/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
06N	02E	34	RALLYCAR	00U2	38.00	38	216	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	38	216	5.7		
CRUISE	20	109	5.4	6,860	1.6
DBH COUNT					
REFOREST COUNT	18	105	5.8		
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
R ALDER	59	123.1	11.2	60	25.1	84.1	8,022	7,839	2,295	2,292
DOUG FIR	30	46.1	14.1	56	13.3	49.7	5,286	5,058	1,445	1,441
WHEMLOCK	15	8.3	18.8	60	3.7	16.1	1,732	1,633	506	506
BL MAPLE	5	3.0	22.0	45	1.7	8[illegible]	509	368	189	173
TOTAL	*109*	*180.5*	*12.7*	*59*	*44.4*	*157.9*	*15,549*	*14,898*	*4,434*	*4,413*

CONFIDENCE LIMITS OF THE SAMPLE

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

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	SAMPLE TREES LOW	AVG	HI[illegible]	# OF TREES REQ. 5	10	INF. POP. 15
R ALDER	63.0	8.2	80	[illegible]	[illegible]			
DOUG FIR	93.8	17.7	194	[illegible]	277			
WHEMLOCK	59.3	17.9	320	390	460			
BL MAPLE	62.5	31.0	9[illegible]	142	186			
TOTAL	*107.4*	*10.5*	*148*	*165*	[illegible]	*460*	*115*	*51*

CL: 68.1 % SD: 1.0	COEFF VAR.%	S[illegible]	SAMPL[illegible]REES - CF LO[illegible]	A[illegible]	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
R ALDER	65.3	[illegible]8.5	2[illegible]	2[illegible]	29			
DOUG FIR	81.7	[illegible]	56	66	76			
WHEMLOCK	43.3	1[illegible]	99	114	128			
BL MAPLE	57.6	28.6	[illegible]	67	86			
TOTAL	*93.4*	*9.1*	[illegible]	*49*	*54*	*348*	*87*	*39*

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	TREES/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
R ALDER	86.1	13.9	106	123	140			
DOUG FIR	115.8	18.8	37	46	55			
WHEMLOCK	186.0	30.1	6	8	11			
BL MAPLE	371.2	60.2	1	3	5			
TOTAL	*50.1*	*8.1*	*166*	*181*	*195*	*100*	*25*	*11*

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	BASAL AREA/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
R ALDER	80.0	13.0	73	84	95			
DOUG FIR	108.8	17.6	41	50	58			
WHEMLOCK	173.3	28.1	12	16	21			
BL MAPLE	367.2	59.5	3	8	13			
TOTAL	*37.5*	*6.1*	*148*	*158*	*168*	*56*	*14*	*6*

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	NET BF/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
R ALDER	88.3	14.3	6,717	7,839	8,961			
DOUG FIR	118.4	19.2	4,087	5,058	6,028			
WHEMLOCK	187.0	30.3	1,138	1,633	2,128			
BL MAPLE	366.9	59.5	149	368	587			
TOTAL	*47.4*	*7.7*	*13,754*	*14,898*	*16,042*	*90*	*22*	*10*

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TC TSTATS

STATISTICS

PROJECT **RALLYCAR**

PAGE 2
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TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
06N	**02E**	**34**	**RALLYCAR**	**00U2**	38.00	38	216	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	10	15

CL: 68.1 %	COEFF		**NET CUFT FT/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
R ALDER	85.6	13.9	1,974	2,292	2,611			
DOUG FIR	114.5	18.6	1,174	1,441	1,709			
WHEMLOCK	182.3	29.6	357	506	656			
BL MAPLE	366.3	59.4	70	173	276			
TOTAL	*45.2*	*7.3*	*4,090*	*4,413*	*4,737*	*82*	*20*	*9*

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TC TSTATS

STATISTICS

PROJECT RALLYCAR

PAGE 1
DATE 8/22/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
06N	02E	34	RALLYCAR	00U3	1.00	2	7	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	2	7	3.5		
CRUISE	2	7	3.5	205	3.4
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
R ALDER	7	204.5	9.3	59	31.8	97.2	7,784	7,784	2,389	2,389
TOTAL	*7*	*204.5*	*9.3*	*59*	*31.8*	*97.2*	*7,784*	*7,784*	*2,389*	*2,389*

CONFIDENCE LIMITS OF THE SAMPLE

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

CL: 68.1 %	COEFF		**SAMPLE TREES - BF**			# OF TREES REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
R ALDER	9.8	4.0	37	39	40			
TOTAL	*9.8*	*4.0*	*37*	*39*	*40*	*4*	*1*	*0*

CL: 68.1 %	COEFF		**SAMPLE TREES - CF**			# OF TREES REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
R ALDER	18.8	7.6	11		13			
TOTAL	*18.8*	*7.6*	*11*	*12*	*13*	*16*	*4*	*2*

CL: 68.1 %	COEFF		**TREES/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
R ALDER	.6	[illegible]	[illegible]	[illegible]	206			
TOTAL	*.6*	[illegible]	[illegible]	[illegible]	*206*	*0*	*0*	*0*

CL: 68.1 %	COEFF		**BASAL AREA/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
R ALDER	20.2	18.9	[illegible]	97	116			
TOTAL	*20.2*	*18.9*	[illegible]	*97*	*116*	*29*	*7*	*3*

CL: 68.1 %	COEFF		**NET BF/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
R ALDER	6.6	6.2	7,299	7,784	8,268			
TOTAL	*6.6*	*6.2*	*7,299*	*7,784*	*8,268*	*3*	*1*	*0*

CL: 68.1 %	COEFF		**NET CUFT FT/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
R ALDER	23.0	21.6	1,873	2,389	2,904			
TOTAL	*23.0*	*21.6*	*1,873*	*2,389*	*2,904*	*37*	*9*	*4*

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TC TSTATS

STATISTICS

PROJECT RALLYCAR

DATE 8/22/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
06N	02E	34	RALLYCAR	00U4	2.00	4	22	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	4	22	5.5		
CRUISE	3	22	7.3	475	4.6
DBH COUNT					
REFOREST COUNT					
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
R ALDER	22	237.6	10.9	50	46.4	152.8	13,293	12,846	3,785	3,731
TOTAL	*22*	*237.6*	*10.9*	*50*	*46.4*	*152.8*	*13,293*	*12,846*	*3,785*	*3,731*

CONFIDENCE LIMITS OF THE SAMPLE

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

CL: 68.1 %	COEFF		**SAMPLE TREES - BF**			# OF TREES REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
R ALDER	67.6	14.7	59	69	79			
TOTAL	*67.6*	*14.7*	*59*	*69*	*79*	*191*	*48*	*21*

CL: 68.1 %	COEFF		**SAMPLE TREES - CF**			# OF TREES REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
R ALDER	63.7	13.9	18		23			
TOTAL	*63.7*	*13.9*	*18*	*20*	*23*	*170*	*42*	*19*

CL: 68.1 %	COEFF		**TREES/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
R ALDER	74.1	[illegible]	[illegible]	[illegible]	338			
TOTAL	*74.1*	[illegible]	[illegible]	[illegible]	*338*	*287*	*72*	*32*

CL: 68.1 %	COEFF		**BASAL AREA/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
R ALDER	73.5	42.0	[illegible]	153	217			
TOTAL	*73.5*	*42.0*	[illegible]	*153*	*217*	*282*	*71*	*31*

CL: 68.1 %	COEFF		**NET BF/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
R ALDER	74.2	42.4	7,399	12,846	18,293			
TOTAL	*74.2*	*42.4*	*7,399*	*12,846*	*18,293*	*288*	*72*	*32*

CL: 68.1 %	COEFF		**NET CUFT FT/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
R ALDER	76.2	43.5	2,107	3,731	5,354			
TOTAL	*76.2*	*43.5*	*2,107*	*3,731*	*5,354*	*303*	*76*	*34*

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STATISTICS

PROJECT RALLYCAR

DATE 8/22/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
06N	02E	34	RALLYCAR	00U5	1.00	2	9	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	2	9	4.5		
CRUISE	2	9	4.5	112	8.0
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
R ALDER	5	70.4	13.5	53	18.9	69.5	5,553	5,553	1,868	1,868
BL MAPLE	2	18.8	16.5	30	6.8	27.8	1,478	1,478	442	442
WHEMLOCK	1	9.9	16.0	73	3.5	13.9	1,293	1,293	351	351
DOUG FIR	1	13.0	14.0	62	3.7	13.[illegible]	1,299	1,169	395	395
TOTAL	*9*	*112.1*	*14.3*	*52*	*33.1*	*125.0*	*9,624*	*9,494*	*3,056*	*3,056*

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 LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
R ALDER	63.8	31.7	61	[illegible]	[illegible]			
BL MAPLE	35.4	33.1	54	[illegible]	106			
WHEMLOCK								
DOUG FIR								
TOTAL	*48.1*	*17.0*	*77*	*92*	[illegible]	*104*	*26*	*12*

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	SAMPLE TREES - CF LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
R ALDER	44.9	22.3	2[illegible]	2[illegible]	36			
BL MAPLE	41.4	[illegible]	15	24	33			
WHEMLOCK								
DOUG FIR								
TOTAL	*36.4*	*12.8*	[illegible]	*29*	*33*	*59*	*15*	*7*

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	TREES/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
R ALDER	101.4	95.0	4	70	137			
BL MAPLE	141.4	132.4		19	44			
WHEMLOCK	141.4	132.4		10	23			
DOUG FIR	141.4	132.4		13	30			
TOTAL	*43.9*	*41.1*	*66*	*112*	*158*	*135*	*34*	*15*

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	BASAL AREA/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
R ALDER	84.9	79.5	14	69	125			
BL MAPLE	141.4	132.4		28	65			
WHEMLOCK	141.4	132.4		14	32			
DOUG FIR	141.4	132.4		14	32			
TOTAL	*15.7*	*14.7*	*107*	*125*	*143*	*17*	*4*	*2*

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	NET BF/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
R ALDER	50.2	47.0	2,942	5,553	8,165			
BL MAPLE	141.4	132.4		1,478	3,435			
WHEMLOCK	141.4	132.4		1,293	3,006			
DOUG FIR	141.4	132.4		1,169	2,718			
TOTAL	*5.5*	*5.2*	*9,004*	*9,494*	*9,984*	*2*	*1*	*0*

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TC TSTATS

STATISTICS

PROJECT **RALLYCAR**

DATE 8/22/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
06N	02E	34	RALLYCAR	00U5	1.00	2	9	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	10	15

CL:	68.1 %	COEFF		NET CUFT FT/ACRE			# OF PLOTS REQ.		INF. POP.
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
R ALDER		67.0	62.7	696	1,868	3,040			
BL MAPLE		141.4	132.4		442	1,028			
WHEMLOCK		141.4	132.4		351	816			
DOUG FIR		141.4	132.4		395	917			
TOTAL		*22.5*	*21.1*	*2,412*	*3,056*	*3,700*	*36*	*9*	*4*

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TC TSTATS

STATISTICS

PROJECT RALLYCAR

DATE 8/22/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
06N	02E	34	RALLYCAR	ROW6	3.30	4	22	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	4	22	5.5		
CRUISE	4	22	5.5	367	6.0
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
R ALDER	11	55.6	13.4	58	14.8	54.2	4,906	4,805	1,396	1,396
DOUG FIR	8	40.5	15.6	67	13.6	53.5	5,715	5,563	1,667	1,667
WHEMLOCK	2	10.1	10.5	45	1.9	6.1	405	405	123	123
BL MAPLE	1	5.1	8.0	30	0.6	1.[illegible]	101	101	25	25
TOTAL	*22*	*111.3*	*13.8*	*59*	*31.1*	*115.6*	*11,127*	*10,874*	*3,210*	*3,210*

CONFIDENCE LIMITS OF THE SAMPLE

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

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	SAMPLE TREES LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
R ALDER	73.3	23.1	66	[illegible]	[illegible]			
DOUG FIR	81.9	30.9	95	[illegible]	180			
WHEMLOCK			40	40	40			
BL MAPLE								
TOTAL	*88.1*	*19.2*	*79*	*98*	[illegible]	*324*	*81*	*36*

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	SAMPLE TREES - CF LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
R ALDER	57.3	[illegible]8.1	[illegible]	[illegible]	30			
DOUG FIR	89.1	[illegible]	27	41	55			
WHEMLOCK	11.0	1[illegible]	11	12	13			
BL MAPLE								
TOTAL	*89.5*	*19.5*	[illegible]	*29*	*34*	*335*	*84*	*37*

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	TREES/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
R ALDER	62.1	35.5	36	56	75			
DOUG FIR	91.3	52.2	19	40	62			
WHEMLOCK	200.0	114.3		10	22			
BL MAPLE	200.0	114.3		5	11			
TOTAL	*34.8*	*19.9*	*89*	*111*	*133*	*63*	*16*	*7*

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	BASAL AREA/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
R ALDER	72.0	41.1	32	54	77			
DOUG FIR	109.8	62.7	20	54	87			
WHEMLOCK	200.0	114.3		6	13			
BL MAPLE	200.0	114.3		2	4			
TOTAL	*31.6*	*18.1*	*95*	*116*	*137*	*52*	*13*	*6*

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	NET BF/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
R ALDER	60.0	34.3	3,158	4,805	6,451			
DOUG FIR	111.6	63.8	2,016	5,563	9,110			
WHEMLOCK	200.0	114.3		405	867			
BL MAPLE	200.0	114.3		101	217			
TOTAL	*34.1*	*19.5*	*8,754*	*10,874*	*12,993*	*61*	*15*	*7*

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TC TSTATS

STATISTICS

PROJECT **RALLYCAR**

DATE 8/22/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
06N	**02E**	**34**	**RALLYCAR**	**ROW6**	3.30	4	22	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	10	15

CL:	68.1 %	COEFF		**NET CUFT FT/ACRE**			# OF PLOTS REQ.		INF. POP.
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
R ALDER		61.6	35.2	904	1,396	1,887			
DOUG FIR		115.3	65.9	569	1,667	2,765			
WHEMLOCK		200.0	114.3		123	264			
BL MAPLE		200.0	114.3		25	53			
TOTAL		*37.7*	*21.5*	*2,520*	*3,210*	*3,901*	*74*	*19*	*8*

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TC PSPCTLTCM

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

T06N R02E S34 Ty00U1	91.0
T06N R02E S34 Ty00U2	38.0
T06N R02E S34 TyROW	3.3

Project RALLYCAR
Acres 136.30

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Date: 8/22/2016
Time 3:24:50PM

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		5,718	10,180	7,144	43.81	24.61	0.72	2,507	2,505	986	956
R ALDER		12,827	17,724	7,350	20.63	14.93	0.50	2,673	2,646	898	867
WHEMLOCK		1,218	1,827	1,942	49.41	32.94	0.94	607	602	219	208
BL MAPLE		754	907	663	31.69	26.32	0.84	250	239	75	63
Totals		20,517	30,638	17,099	29.20	19.56	0.62	6,036	5,991	2,178	2,094

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	6,936	12,007	9,086	44.79	25.88	0.76	3,114	3,107	1,205	1,164
H	13,580	18,632	8,013	21.24	15.48	0.51	2,923	2,884	973	930
Totals	20,517	30,638	17,099	29.20	[illegible]6	[illegible]2	6,036	5,991	2,178	2,094

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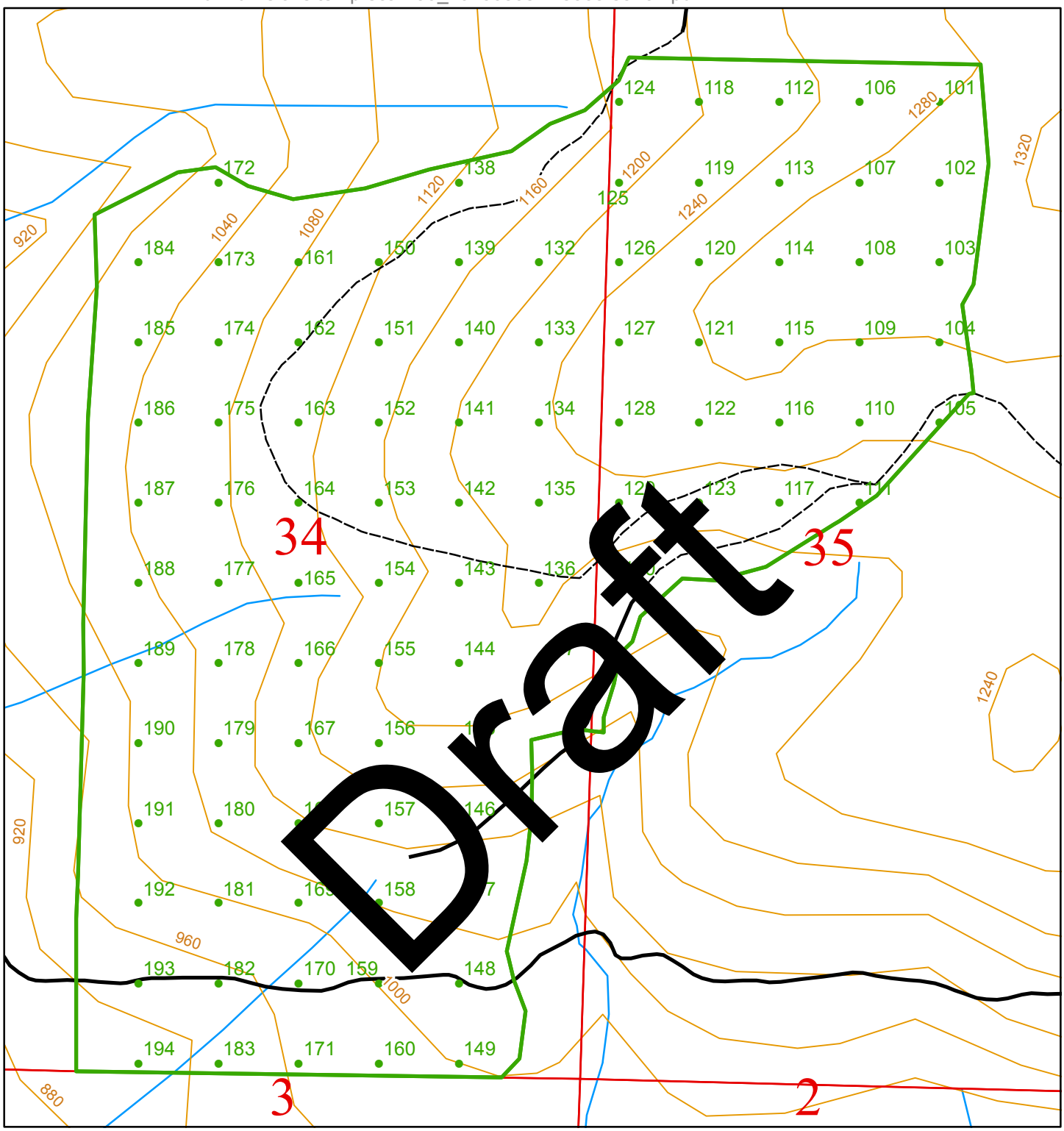


FMU POLYGON AND SAMPLE POINT INFORMATION

FMU_NM:	RALLY CAR U1A	Township:	T06R02E
FMU_ID:	85764	DNR Region:	PACIFIC CASC
Acres:	96	Total Sample Points:	94
County:	CLARK	Spacing Between Points:	Width: 208 Height: 208
		Point Rotation Degrees:	0

N

0 125 250 500 750 1,000 Feet

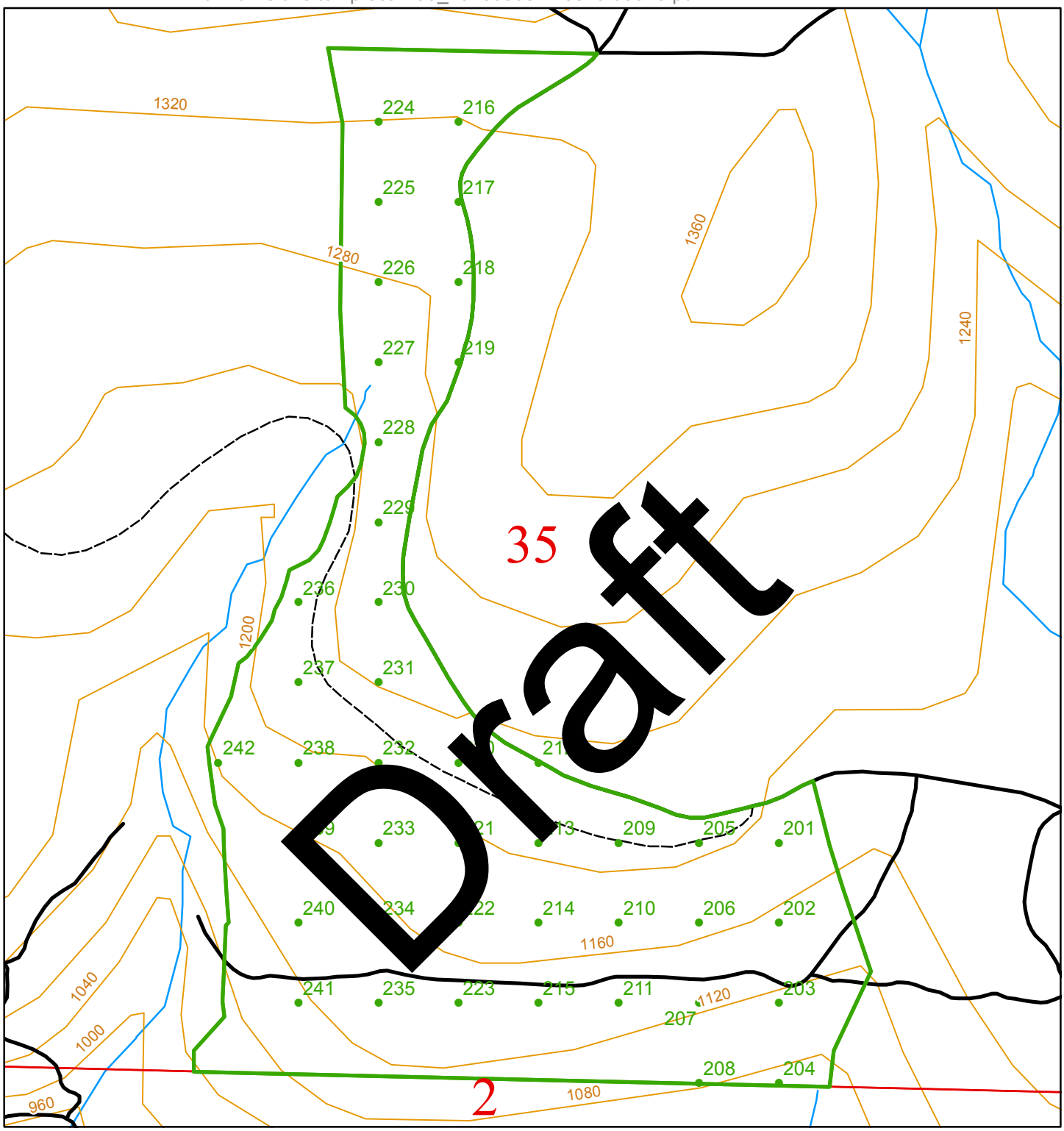
Scale 1:4,400

Legend

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

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

Aug 08, 2016 11:59 AM



FMU POLYGON AND SAMPLE POINT INFORMATION

FMU_NM:	RALLY CAR U2	Township:	T06R02E
FMU_ID:	95515	DNR Region:	PACIFIC CASC
Acres:	45	Total Sample Points:	42
County:	CLARK	Spacing Between Points:	Width: 208 Height: 208
		Point Rotation Degrees:	0

N

0 125 250 500 750 1,000 Feet

Scale 1:4,400

Legend

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

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

Aug 08, 2016 12:38 PM