WASHINGTON STATE DEPARTMENT OF
NATURAL RESOURCES

TIMBER NOTICE OF SALE

***SALE NAME**: MILL WRIGHT* ***AGREEMENT NO**: 30-093904*

AUCTION: February 23, 2017 starting at 10:00 a.m., Pacific Cascade Region Office, Castle Rock, WA **COUNTY:** Cowlitz, Wahkiakum

SALE LOCATION: Sale located approximately 11 miles east of Naselle

PRODUCTS SOLD AND SALE AREA: All timber, except leave trees marked with blue paint, snags and all down timber existing 5 years prior to the day of sale, bound by the following: white "Timber Sale Boundary" tags and pink flagging and the property line in pink flagging and orange paint in Units 1 and 2. All timber bound by orange "Right-of-Way" tags and pink flagging. on part(s) of Sections 4, 5, 6 and 40 all in Township 8 North, Range 4 West, W.M., containing 114 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	SM	1S	2S	3S	4S	UT
Douglas fir	21.2	7	1,959			70		1,309	392	82	6
Red alder	13.3		807					121	164	375	147
Hemlock	24.9	7	263			20		189	45		9
Grand fir	20.3		236					164	59	13	
Red cedar	29.1								74	4	3
Maple	12.1		32							2	30
Sale Total			3,378								

MINIMUM BID: $0.00 **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: Cable, Ground based equipment, Shovel and Track skidder. Harvesting activities are estimated to be 100% ground-based harvesting. Ground-based harvesting equipment shall be restricted to slopes of 40% and less during dry soil conditions. See clauses H-140 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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TIMBER NOTICE OF SALE

ROADS: 26.51 stations of required construction. 13.36 stations of optional construction. 189.56 stations of required pre-haul maintenance. 12.42 stations of required light abandonment. Rock for construction, and pre-haul maintenance under this contract may be obtained at no cost to the Purchaser from the following rock sources; 2470 cubic yards of SELECT PIT RUN ROCK from the E-100 Pit located in Section 07, Township 08 North, Range 04 West W.M. 2470 cubic yards of 4 INCH JAW ROCK, from the R-120 Pit or Sawdust Pit located in Section 04, Township 08 North, Range 04 West, WM., and 897 cubic yards of 3 INCH MINUS CRUSHED ROCK from the Stockpile located at the E-100 Pit. Road construction will not be permitted from October 1 to April 30 unless authorized in writing by the Contract Administrator.

ACREAGE DETERMINATION

CRUISE METHOD: The sale acres were determined by GIS delineation. Cruise was completed using variable plot cruise methods.

FEES: Fees of $00.00 to Weyerhaeuser Company for a Road Use Permit between the Weyerhaeuser Company and the State dated XX/XX/2016. This fee must be payed within 30 days of sale day.

$60,000.00 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 6[illegible] MBF of high quality DF 2 sawlog, 248 MBF of high quality DF 3 sawlog, 9 MBF oversized 3 sawlog DF, 87 MBF of high quality WH 2 sawlog, and 25 MBF of high quality WH 3 sawlog. The gates shall be kept closed and locked except during periods of haul. The gates may remain open during haul must be locked and fastened in the open position. The gate must be closed at termination of use. See driving map for gate locations. PCP 1-1 gate keys may be obtained from the Pacific Cascade Region office.

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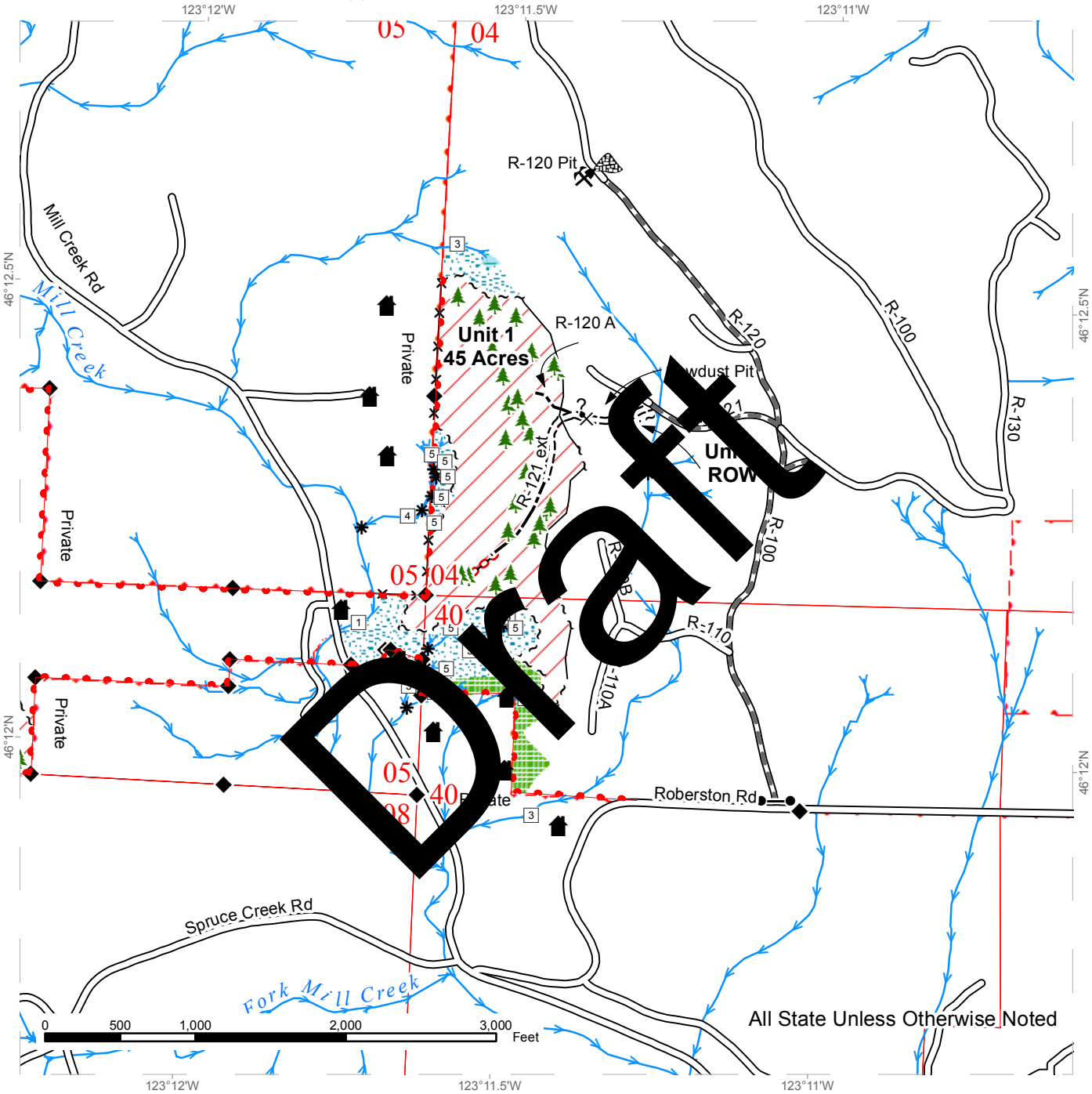
TIMBER SALE MAP

SALE NAME: MILL WRIGHT
AGREEMENT #: 30-093904
TOWNSHIP(S): T08R04W
TRUST(S): State Forest Transfer(1), Scientific School(10)

REGION: Pacific Cascade Region
COUNTY(S): COWLITZ
ELEVATION RGE: 232-688



Sale Area	Existing Roads	Streams	Leave Trees
Leave Tree Area	Required Pre-Haul Maintenance	Stream Type	Structure
Riparian Mgt Zone	Required Construction	Stream Type Break	Gate (PCP-1)
Forested Wetland	Optional Construction	Monumented Corners	Existing Rock Pit
Sale Boundary Tags	Required Abandonment		Potential Rock Source
Leave Tree Tags			Stockpile
Reprod			
Property Line			
Fence			

N

Prepared By: tcha490 12/28/2015

Modification Date: 10/14/2016

TIMBER SALE MAP

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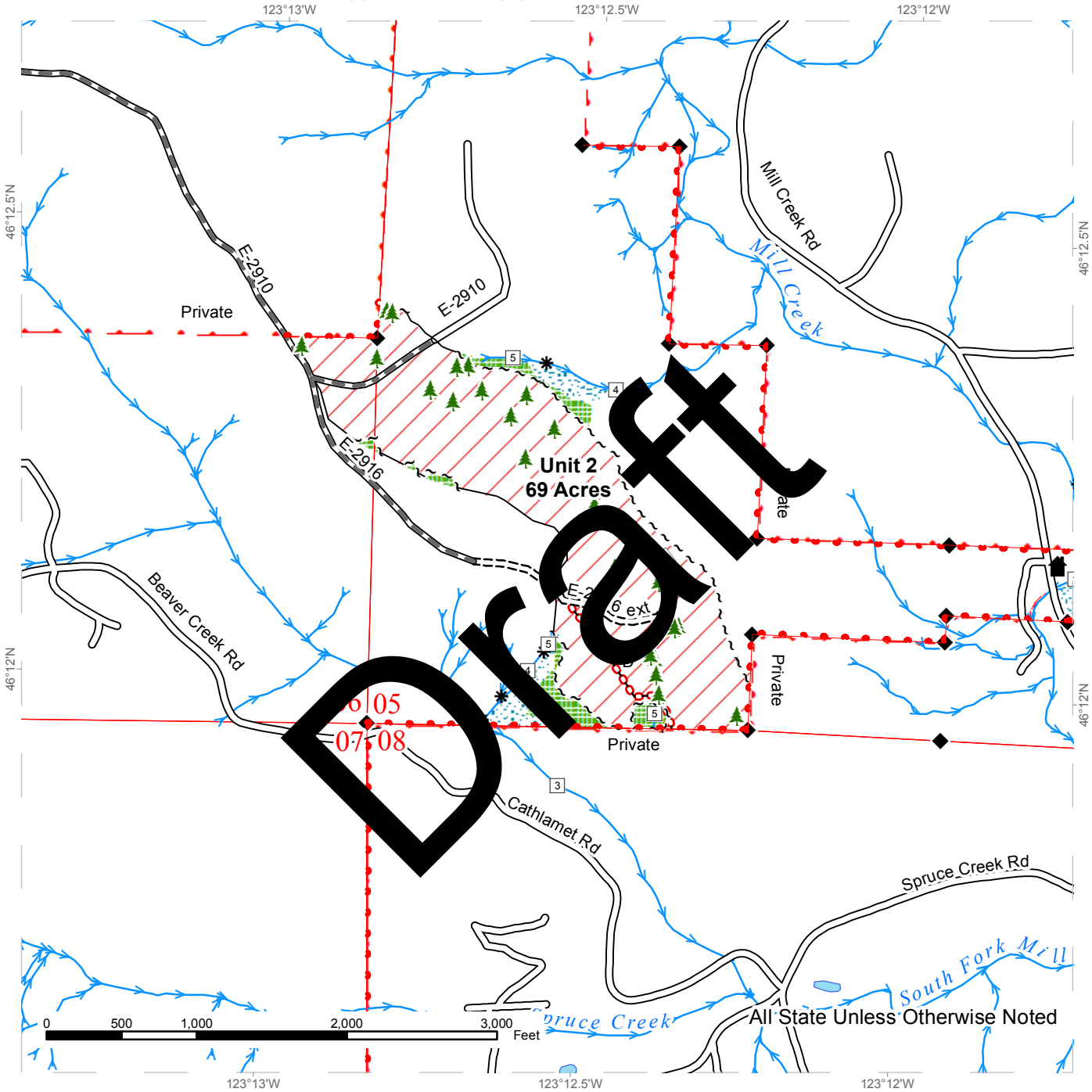

Sale Area	Existing Roads	Streams	Leave Trees
Leave Tree Area	Required Pre-Haul Maintenance	Stream Type	Structure
Riparian Mgt Zone	Required Construction	Stream Type Break	
Sale Boundary Tags	Optional Reconstruction	Monumented Corners	
Leave Tree Tags	Required Abandonment		
Reprod			
Property Line			
Fence			

N

Prepared By: tcha490 12/28/2015

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TIMBER SALE MAP

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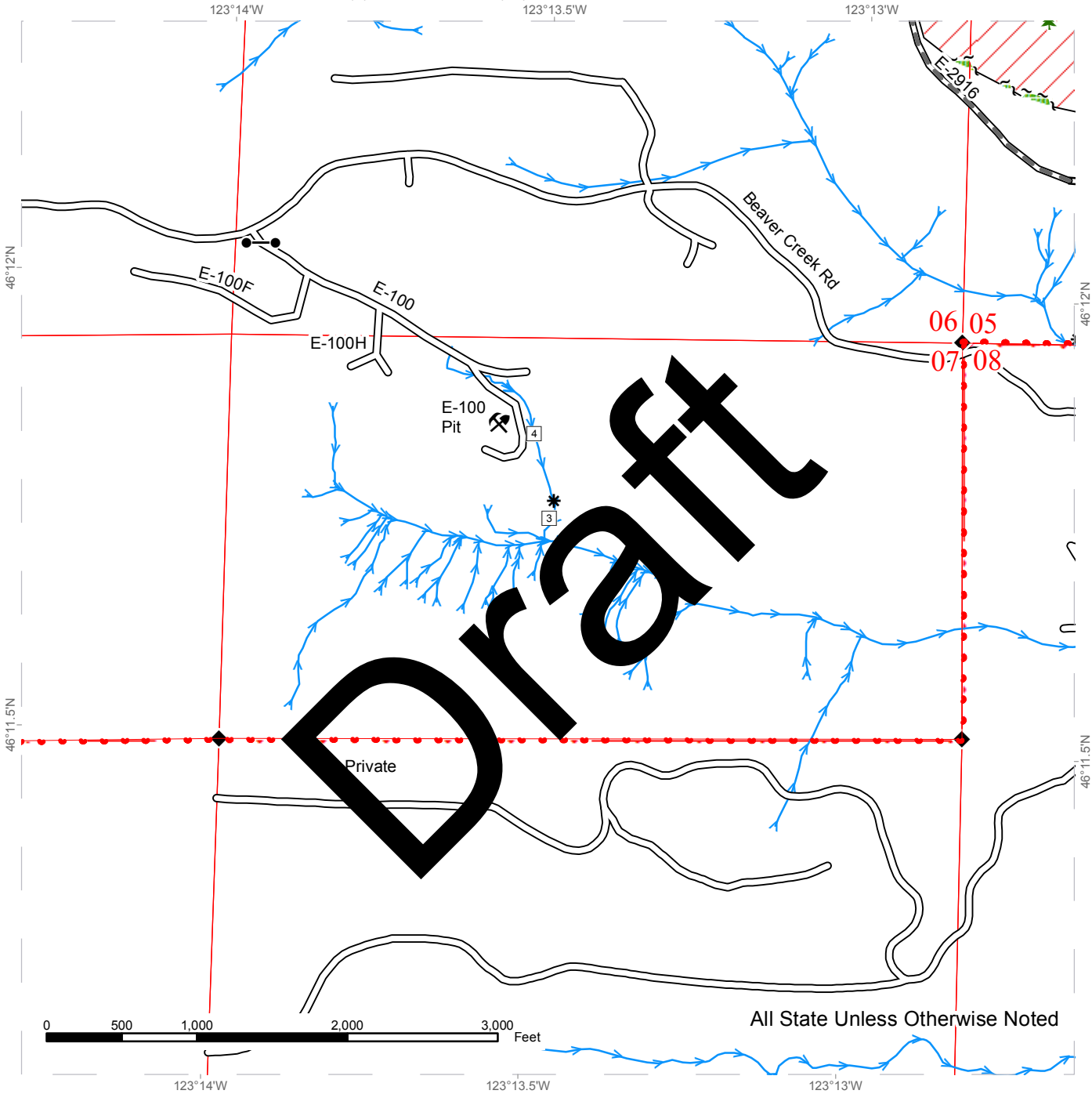

Sale Area
Leave Tree Area
Riparian Mgt Zone
Sale Boundary Tags
Leave Tree Tags
Reprod
Property Line
Fence
Existing Roads
Required Pre-Haul Maintenance
Required Construction
Streams
Stream Type
Stream Type Break
Monumented Corners
Leave Trees
Gate (PCP-1)
Existing Rock Pit

N

Prepared By: tcha490 12/28/2015

Modification Date: 10/14/2016

DRIVING MAP

SALE NAME: MILL WRIGHT
AGREEMENT#: 30-093904
TOWNSHIP(S): T08R04W
TRUST(S): State Forest Transfer(1), Scientific School(10)

REGION: Pacific Cascade Region
COUNTY(S): COWLITZ, WAHKIAKUM
ELEVATION RGE: 232-688

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

DRIVING DIRECTIONS:
From State Route 4 (between milepost 47 and 48) turn North onto Mill Creek Rd and follow for 1 mile to the junction of Robertson Rd and Spruce Creek Rd.

Unit1: Turn right on Robertson Rd follow Roberston Rd 0.6 miles, turn left onto the R-100 enter through yellow gate (PCP-1 lock), follow the R-100 0.45 miles, turn left onto the R-121 follow the R-121 for 0.17 miles access the unit following the R-121 ext. road traverse.

R-120 Pit: Travel North on the R-100 for 0.45 mile to the junction of the R -120, follow the R-120 0.43 miles the R-120 pit is on the left.

Unit 2: Turn left on Spruce Creek Rd follow Spruce Creek Rd 0.6 miles turn right on Cathlamet Rd, follow Cathlamet Rd 0.8 mile to the junction of Beaver Creek Rd, follow Beaver Creek Rd 3.4 miles turn right on the E-5000 follow the E-5000 0.4 miles turn right on the E-5100, follow the E-5100 1.6 miles to junction of the E-2900 follow E-2900 0.75 miles turn Right E-2910 follow the E-2910 1.7 miles to Unit 2

E-100 Pit: From thBeaver Creek Rd, turn left on the E-100 follow 0.1 miles to E-100 Pit.

N

Prepared By: tcha490 12/28/2015

Modification Date: 10/14/2016

Cruise Narrative

Sale Name: Mill Wright	**Region:** Pacific Cascade
App. #: 30-093904	**District:** St. Helen's
Lead Cruiser: KB	**Completion date:** 5/4/16
Other Cruisers: BF, EC	

Unit acreage specifications:

Unit #	Cruised acres	Cruised acres agree with sale acres? Yes/No	If acres do not agree explain why.
1	45	YES	
2	66	YES	
3	0.5	YES	
Total	114.5	YES	

Unit cruise specifications:

Unit #	Sample type (VP, FP, ITS,100%)	Expansion factor (BAF, full/ half)	Sighting height (4.5 ft, 16 ft.)	Grid size (Plot spacing [illegible]% of area)	Pre-ratio (Cru./Tally)	Total number of plots
1	VP	46.94/33.61	4.5	250[illegible]0'	1:1	30
2	VP	40/27.78	4.5	250x250'	1:1	47
3	VP	46.94/33.61	4.5	NA	Cruise All	2

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:	**[illegible]F** =	[illegible]	**WH** =	7	**SS** =	NA
Leave/take tree description:						
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.					

Field observations:

Mill Wright timber sale consists of two units located up the Mill Creek drainage off of HWY 4.

Both of these units are very variable in stand composition, size class and quality of timber.

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There is a large hardwood component in either of the units. The majority of which is RA with a very minor amount of BM. The RA was of average to fair quality for this area. Defects were of common characteristics for this species and consisted of crooks, sweep and split tops. The RA for the entire sale averaged 13 inches at DBH with 62 feet of bole.

For the conifer there was a component of mid-sized DF as well as a larger cleaner log as well as some scattered larger, rougher logs. The DF for a whole averaged 21 inches at DBH with 94 feet of bole.

Within unit 1 there is a significant amount of GF that was fairly nice and clean. This seemed to be concentrated more towards the center of the unit. The GF averaged 20 inches at DBH with 104 fee of bole.

There was a component of WH in both units, but was more prevalent in unit 1. It was of fair to average quality. It averaged 24 inches at DBH with 89 feet of bole.

Both units contain pockets and scattered RC, ranging in size and quality.

There is minimal road work designed for this sale, just a couple shorter spurs to access the interior of the units.

Access is good to both units. A PCP1-1 gate key is needed to access unit 2.

Grants: 01, 10 **Prepared by: KB** **Title: Timber Cruiser**

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TC PSPCSTGR

Species, Sort Grade - Board Foot Volumes (Project)

T08N R04W S04 Ty00U1	45.00
T08N R04W S04 Ty00U2	69.00
T08N R04W S04 Ty00U3	.50

Project: MILLWRIG

Acres 114.50

Page 1
Date 5/4/2016
Time 11:24:45AM

Spp	S T	So Gr rt ad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent of Net Board Foot Volume: Log Scale Dia. 5-7	8-11	12-15	16+	Log Length 12-20	21-30	31-35	36-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
RA		CU CU		100.0	180											7	9		0.00	22.0
RA	D	UT	18		1,283	1,283	147	84	3	10	3	34	26	1	38	26	6	32	0.34	40.2
RA	D	2S	15	4.8	1,110	1,057	121			100		5	6	23	66	35	13	192	1.48	5.5
RA	D	3S	20	4.0	1,489	1,429	164		100				37	5	59	35	11	136	1.07	10.5
RA	D	4S	26	3.8	1,925	1,852	212		100			1	33	21	45	34	8	77	0.73	23.9
RA	D	4S	21	2.5	1,466	1,429	164	100				1	33	16	50	32	6	40	0.36	36.2
RA	**Totals**		24	5.4	7,453	7,049	807	36	47	17	1	8	28	13	51	27	7	51	0.55	138.2
WH		CU CU		100.0	44											4	14		0.00	1.7
WH	HB	2S	33	1.3	770	760	87			21	79			6	94	37	16	366	2.16	2.1
WH	HB	3S	9		215	215	25		100						100	39	10	132	0.89	1.6
WH	D	SM	8	2.6	182	178	20				100				100	40	21	740	3.34	.2
WH	D	2S	39	5.7	948	894	102				[illegible]		2	10	88	36	19	584	3.60	1.5
WH	D	3S	7	5.6	189	178	20	22	78				11	18	71	37	9	103	1.01	1.7
WH	D	4S	4		74	74	8	84	16					[illegible]		28	6	37	0.36	2.0
WH	**Totals**		8	5.1	2,423	2,299	263	4	[illegible]	8	72		3	9	88	30	12	211	1.62	10.9
GF	HB	2S	65		1,346	1,346	154				[illegible]				100	40	14	313	1.70	4.3
GF	HB	3S	23		480	480	55		100						100	36	9	119	0.74	4.0
GF	D	2S	4		89	89	[illegible]			100					100	40	12	200	1.28	.4
GF	D	3S	2		31	31	[illegible]	100						100		32	7	60	0.59	.5
GF	D	4S	6		117	117	[illegible]	85	15				100			24	6	30	0.36	3.9
GF	**Totals**		7		2,062	2,063	236	[illegible]	24	35	34		6	2	93	34	10	157	1.05	13.2
DF		CU CU		100.0	[illegible]											2	17		0.00	4.9
DF	HA	2S			[illegible]	114	[illegible]			100					100	40	14	290	1.52	.4
DF	HB	2S	34	1.5	5,946	857	[illegible]			47	53		1	3	97	40	15	359	1.94	16.3
DF	HB	3S	13	1.4	2,200	[illegible]	248		100					11	89	39	10	134	0.84	16.2
DF	D	SM	9	1.0	1,498	1,48[illegible]	170				100				100	40	22	886	3.99	1.7
DF	D	2S	32	4.4	5,704	5,455	625			12	88	1	0	6	92	38	18	576	2.98	9.5
DF	D	3S	7	3.1	1,215	1,177	135	40	60			1	8	28	63	35	8	84	0.67	14.0
DF	D	4S	4	.5	722	719	82	92	8			25	32	14	29	25	6	29	0.31	25.2
DF	D	UT		12.9	57	50	6		19		81	81	19			22	13	102	1.29	.5
DF	RO	3S	1	3.7	88	85	10			68	32	13		19	68	32	14	256	2.04	.3
DF	**Totals**		58	3.0	17,633	17,110	1,959	7	17	21	55	2	2	7	89	32	11	192	1.29	89.1
BM		CU CU		100.0	12											7	6		0.00	1.7
BM	D	UT	94		266	266	30	98		2		2	66		32	28	6	39	0.54	6.8
BM	D	4S	6	25.0	20	15	2	100							100	39	5	30	0.77	.5
BM	**Totals**		1	5.8	299	281	32	98		2		2	62		35	25	6	31	0.53	9.1
RC		CU CU		100.0	106											6	16		0.00	2.0
RC	D	3S	91	4.9	675	642	74	1	14	9	76	1	17	2	81	34	14	325	2.70	2.0
RC	D	4S	5		37	37	4	100					21		79	32	5	39	0.49	.9
RC	D	UT	4		24	24	3				100	100				14	23	330	6.03	.1
RC	**Totals**		2	16.5	842	703	80	6	13	9	73	4	16	2	78	22	13	142	1.83	4.9

Draft

TC PSPCSTGR

Species, Sort Grade - Board Foot Volumes (Project)

T08N R04W S04 Ty00U1	45.00
T08N R04W S04 Ty00U2	69.00
T08N R04W S04 Ty00U3	.50

Project: **MILLWRIG**

Acres **114.50**

Page **2**
Date **5/4/2016**
Time **11:24:45AM**

Spp	ST	So Grt 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
Totals				3.9	30,713	29,505	3,378	14	24	20	42	3	10	8	79	29	9	111	0.92	265.4

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TC PSTATS

PROJECT STATISTICS

PROJECT MILLWRIG

DATE 5/4/2016

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
08N	04	04	MILLWRIG	00U1	114.50	79	419	S	W
08N	04W	04	MILLWRIG	00U2					
08N	04W	04	MILLWRIG	00U3					

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	79	419	5.3		
CRUISE	44	231	5.3	14,322	1.6
DBH COUNT					
REFOREST					
COUNT	34	172	5.1		
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	98	74.5	13.3	62	19.8	72.[illegible]	7,453	7,049	2,077	2,037
DOUG FIR	95	33.3	21.2	94	17.8	81.[illegible]	17,633	17,110	3,712	3,698
WHEMLOCK	12	3.9	24.9	89	2.6	13.1	2,423	2,299	544	537
BL MAPLE	9	7.3	12.1	39	1.7	[illegible]	299	281	120	118
GRAND F	6	4.4	20.3	104	2.2	[illegible]	[illegible]	2,063	467	467
WR CEDAR	11	1.7	29.1	70	1.4	[illegible]	84[illegible]	703	229	201
TOTAL	*231*	*125.1*	*16.7*	*72*	*46.6*	*190.5*	*30,713*	*29,505*	*7,148*	*7,058*

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 - CF LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
R ALDER	60.9	6.2	121	129	137			
DOUG FIR	102.8	10.[illegible]	865	1,079	1,193			
WHEMLOCK	71.0	[illegible]	[illegible]	[illegible]	880			
BL MAPLE	66.3	23.4	4[illegible]	5[illegible]	67			
GRAND F	40.7	[illegible]	439	537	634			
WR CEDAR	86.2	2[illegible]	571	785	998			
TOTAL	*146.1*	*9.6*	*5[illegible]*	*589*	*646*	*852*	*213*	*95*

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	59.2	6.0	36	38	40			
DOUG FIR	88.6	9.1	196	216	236			
WHEMLOCK	57.8	17.4	138	167	196			
BL MAPLE	57.8	20.4	19	24	29			
GRAND F	38.2	17.0	100	121	141			
WR CEDAR	81.3	25.7	155	208	262			
TOTAL	*122.4*	*8.1*	*117*	*128*	*138*	*598*	*149*	*66*

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	124.6	14.0	64	74	85			
DOUG FIR	141.1	15.9	28	33	39			
WHEMLOCK	237.4	26.7	3	4	5			
BL MAPLE	332.3	37.4	5	7	10			
GRAND F	402.1	45.2	2	4	6			
WR CEDAR	386.4	43.4	1	2	2			
TOTAL	*69.2*	*7.8*	*115*	*125*	*135*	*191*	*48*	*21*

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	103.3	11.6	64	72	81			
DOUG FIR	124.8	14.0	70	82	93			
WHEMLOCK	215.9	24.3	10	13	16			

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TC PSTATS

PROJECT STATISTICS

PROJECT **MILLWRIG**

DATE 5/4/2016

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
08N	04	04	MILLWRIG	00U1	114.50	79	419	S	W
08N	04W	04	MILLWRIG	00U2					
08N	04W	04	MILLWRIG	00U3					

CL 68.1	COEFF		**BASAL AREA/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.00	VAR.	S.E.%	LOW	AVG	HIGH	5	10	15
BL MAPLE	294.8	33.1	4	6	8			
GRAND F	398.3	44.8	5	10	14			
WR CEDAR	347.7	39.1	5	8	11			
TOTAL	*51.0*	*5.7*	*180*	*191*	*201*	*104*	*26*	*12*

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	104.5	11.8	6,221	7,049	7,877			
DOUG FIR	130.2	14.6	14,606	17,110	19,614			
WHEMLOCK	215.1	24.2	1,743	2,299	2,855			
BL MAPLE	303.4	34.1	185	281	377			
GRAND F	401.7	45.2	1,131	2,063	2,994			
WR CEDAR	385.7	43.4	398	703	1,007			
TOTAL	*70.0*	*7.9*	*27,182*	*29,505*	*31,828*	*196*	*49*	*22*

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	102.4	11.5	1,802	2,037	[illegible]			
DOUG FIR	127.7	14.4	3,168	3,698	4,2[illegible]			
WHEMLOCK	214.7	24.1	407	537	[illegible]66			
BL MAPLE	293.8	33.0	79	118	157			
GRAND F	399.9	45.0	257	467	[illegible]6			
WR CEDAR	356.5	40.1	121	[illegible]	[illegible]			
TOTAL	*60.7*	*6.8*	*6,576*	*7,[illegible]*	*[illegible]539*	*147*	*37*	*16*

CL 68.1	COEFF		**V_B[illegible]ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	[illegible]IGH	5	10	15
R ALDER	17.6	2.0	86	98	[illegible]09			
DOUG FIR	84.0	9.[illegible]	179	209	240			
WHEMLOCK	140.7	[illegible]	[illegible]	[illegible]	218			
BL MAPLE	245.8	[illegible]7.6	[illegible]	[illegible]	65			
GRAND F	221.1	[illegible]9	115	210	304			
WR CEDAR	362.2	[illegible]	52	91	131			
TOTAL	*63.8*	*7.2*	*14[illegible]*	*155*	*167*	*163*	*41*	*18*

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T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: MILLWRIG

Page 1
Date 5/4/2016
Time 11:24:45AM

T08N R04W S04 T00U1

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
08N	04W	04	MILLWRIG	00U1	45.00	30	67	S	W

T08N R04W S04 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	62											5	10		0.00	20.1
RA		DM	UT	12		784	784	35	100				25	27	6	42	26	5	29	0.37	26.6
RA		DM	2S	24	3.4	1,658	1,602	72			100				30	70	36	13	209	1.54	7.7
RA		DM	3S	31	2.7	1,998	1,944	87		100				15		85	37	11	158	1.17	12.3
RA		DM	4S	27	1.8	1,792	1,760	79		100			3	10	12	75	36	8	84	0.77	21.1
RA		DM	4S	6	3.5	377	364	16	100					30	32	38	33	6	41	0.45	8.8
RA	**Totals**			26	3.3	6,671	6,454	290	18	57	25		4	12	13	71	27	8	67	0.75	96.5
DF		CU	CU		100.0	121											3	25		0.00	3.2
DF		HB	2S	43	.9	3,503	3,472	156			[illegible]	62				100	40	16	408	1.91	8.5
DF		HB	3S	9	2.2	721	705	32		100						100	40	10	146	0.95	4.8
DF		DM	SM	13		1,003	1,003	45				[illegible]				100	40	22	863	3.51	1.2
DF		DM	2S	24	1.9	1,994	1,956	88			42	[illegible]			5	95	40	15	323	1.82	6.1
DF		DM	3S	5	.9	338	335	15	59				7	17	26	51	34	8	69	0.57	4.9
DF		DM	4S	6	1.8	472	463	21	[illegible]	4				19	7	56	28	5	33	0.30	14.2
DF	**Totals**			32	2.7	8,152	7,933	357	[illegible]	1[illegible]	27	[illegible]	1	2	3	94	33	11	185	1.18	42.8
GF		HB	2S	65		3,424	3,424	154			48	52				100	40	14	313	1.70	11.0
GF		HB	3S	23		1,221	[illegible]	[illegible]		100						100	36	9	119	0.74	10.3
GF		DM	2S	4		226	226	[illegible]			100					100	40	12	200	1.28	1.1
GF		DM	3S	2		[illegible]	80	4	[illegible]						100		32	7	60	0.59	1.3
GF		DM	4S	6		[illegible]	297	13	85	15				100			24	6	30	0.36	9.8
GF	**Totals**			21		5,248	5,248	236	6	24	35	34		6	2	93	34	10	157	1.05	33.5
WH		CU	CU		100.0	94											3	15		0.00	3.6
WH		HB	2S	28	1.6	1,212	1,19[illegible]	54			21	79				100	37	16	395	2.37	3.0
WH		HB	3S	13		548	548	25		100						100	39	10	132	0.89	4.2
WH		DM	2S	47	6.0	2,063	1,938	87			2	98		2	11	86	35	20	615	3.80	3.2
WH		DM	3S	8	6.1	344	323	15	16	84				16		84	37	9	106	1.03	3.1
WH		DM	4S	4		154	154	7	100					24	76		29	6	37	0.33	4.2
WH	**Totals**			17	5.9	4,416	4,156	187	5	20	7	68		3	8	89	30	12	197	1.56	21.1
BM		CU	CU		100.0	31											8	6		0.00	4.3
BM		DM	UT	94		660	660	30	100					68		32	28	5	38	0.54	17.2
BM		DM	4S	6	25.0	52	39	2	100							100	39	5	30	0.77	1.3
BM	**Totals**			3	6.0	743	699	31	100					64		36	25	5	31	0.53	22.8
RC		CU	CU		100.0	108											5	16		0.00	1.5
RC		DM	3S	96		538	538	24		34		66				100	36	13	265	2.48	2.0
RC		DM	4S	4		20	20	1	100					100			22	5	20	0.29	1.0
RC	**Totals**			2	16.2	666	558	25	4	33		64		4		96	23	12	123	1.83	4.5
Type Totals					3.3	25,897	25,048	1,127	12	27	24	37	1	7	6	85	29	9	113	0.97	221.3

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T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: MILLWRIG

Date 5/4/2016

Time 11:24:45AM

T08N R04W S04 T00U2

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
08N	04W	04	MILLWRIG	00U2	69.00	47	153	S	W

T08N R04W S04 T00U2

Spp	ST	Sort	Grade	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 5-7	8-11	12-15	16+	Log Length 12-20	21-30	31-35	36-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
DF		CU	CU		100.0	68											2	15		0.00	6.1
DF		HA	2S			190	190	13			100					100	40	14	290	1.52	.7
DF		HB	2S	32	1.7	7,561	7,433	513			50	50		1	4	95	39	15	346	1.95	21.5
DF		HB	3S	14	1.3	3,181	3,141	217		100					12	88	39	10	132	0.82	23.8
DF		DM	SM	8	1.3	1,832	1,807	125				100				100	40	22	894	4.17	2.0
DF		DM	2S	33	4.8	8,164	7,777	537			7	93	1	1	6	92	37	19	661	3.40	11.8
DF		DM	3S	8	3.3	1,789	1,729	119	37	63			1	7	28	64	36	8	86	0.69	20.0
DF		DM	4S	4		891	891	61	91	9			27	36	16	21	24	6	27	0.31	32.5
DF		DM	UT		12.9	95	83	6		19			81	19			22	13	102	1.29	.8
DF		RO	3S	1	3.7	146	141	10			8	32	13		19	68	32	14	256	2.04	.6
DF	**Totals**			71	3.0	23,917	23,191	1,600	6	19		55		2	8	88	32	11	194	1.31	119.7
RA		CU	CU		100.0	258											8	9		0.00	23.4
RA		DM	UT	21		1,609	1,609	111	79		3	4	37	26		37	26	6	33	0.33	48.8
RA		DM	2S	10	6.9	761	709	49						14	14	59	34	13	171	1.39	4.2
RA		DM	3S	14	5.6	1,136	1,072	74		100				61	10	29	32	10	118	0.96	9.1
RA		DM	4S	26	4.8	1,997	1,901							47	26	27	33	9	74	0.71	25.6
RA		DM	4S	29	2.5	2,165	2,112	46	100				1	33	14	52	32	5	39	0.35	53.7
RA	**Totals**			23	6.6	7,927			46	41	12	1	10	37	14	39	27	7	45	0.47	164.8
RC		CU	CU		100.0												7	16		0.00	2.3
RC		DM	3S	89	7.1	9	714	49	1	4	14	81	1	25	3	71	33	15	366	2.86	2.0
RC		DM	4S	6			48	3	100							100	38	6	52	0.57	.9
RC		DM	UT	5		40	40	3				100	100				14	23	330	6.03	.1
RC	**Totals**			2	16.7	963		55	7	4	12	77	6	22	3	69	22	14	152	1.83	5.3
WH		CU	CU		100.0	12											12	9		0.00	.4
WH		HB	2S	43	.8	469	465	32			17	83			17	83	37	15	333	1.91	1.4
WH		DM	SM	28	2.6	303	295	20				100				100	40	21	740	3.34	.4
WH		DM	2S	19	3.8	211	203	14				100				100	40	18	510	3.18	.4
WH		DM	3S	8	4.8	84	80	5	35	65					65	35	36	9	100	1.02	.8
WH		DM	4S	2		20	20	1		100				100			21	8	40	0.57	.5
WH	**Totals**			3	3.3	1,098	1,062	73	3	7	8	83		2	12	86	33	13	273	1.86	3.9
Type Totals					4.3	33,904	32,457	2,240	15	23	18	44	4	11	9	76	29	9	111	0.89	293.6

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T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: MILLWRIG

Date 5/4/2016

Time 11:24:45AM

T08N R04W S04 T00U3 **T08N R04W S04 T00U3**

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
08N	04W	04	MILLWRIG	00U3	.50	2	12	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	UT	9		1,180	1,180	1	100				100				16	5	15	0.26	76.5
RA		DM	3S	37	2.7	4,453	4,333	2		100				61		39	33	10	120	0.97	36.1
RA		DM	4S	29	11.1	3,880	3,449	2		100					28	72	37	8	80	0.77	43.1
RA		DM	4S	25		2,904	2,904	1	100					58		42	32	6	38	0.39	76.3
RA	**Totals**			51	4.4	12,417	11,865	6	34	66			10	36	8	46	28	7	51	0.57	232.0
WH		CU	CU															6		0.00	10.8
WH		HB	2S	43		2,582	2,582	1			100					100	40	13	240	1.55	10.8
WH		DM	2S	40		2,384	2,384	1			100					100	40	12	200	1.38	11.9
WH		DM	3S	11		645	645	0	100							100	40	6	60	0.56	10.8
WH		DM	4S	6		358	358	0	100					100			26	6	30	0.49	11.9
WH	**Totals**			26		5,969	5,969	3	17		[illegible]					94	29	9	106	1.04	56.1
DF		CU	CU															9		0.00	7.5
DF		HB	2S	76		2,988	2,988	1				100				100	40	16	400	2.27	7.5
DF		DM	3S	24		896	896	0		100						100	40	9	120	0.92	7.5
DF	**Totals**			17		3,885	3,885	2				77				100	27	11	173	1.59	22.4
BM		CU	CU														2	12		0.00	10.7
BM		DM	UT	100		1,493	1,493	1	21		79		100				18	10	70	0.89	21.3
BM	**Totals**			6		[illegible]	1,493	1	[illegible]		79		100				13	11	47	0.84	32.0
Type Totals					2.3	23,[illegible]	23,212	12	23	37	26	13	12	20	4	64	27	8	68	0.73	342.5

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TC TSTATS

STATISTICS

PROJECT MILLWRIG

PAGE 1
DATE 5/4/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
08N	04W	04	MILLWRIG	00U1	45.00	30	129	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	30	129	4.3		
CRUISE	16	66	4.1	4,517	1.5
DBH COUNT					
REFOREST COUNT	14	57	4.1		
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	27	43.4	16.3	64	15.5	62.[illegible]	6,671	6,454	1,948	1,935
DOUG FIR	16	18.2	19.3	93	8.4	36.[illegible]	8,152	7,933	1,669	1,650
GRAND F	6	11.2	20.3	104	5.6	25.0	5,248	5,248	1,187	1,187
WHEMLOCK	7	7.7	24.5	86	5.1	25.[illegible]	[illegible]416	4,156	996	982
BL MAPLE	8	18.5	12.0	39	4.2	[illegible]6	[illegible]	699	303	296
WR CEDAR	2	1.5	30.8	71	1.4	[illegible]	66[illegible]	558	221	188
TOTAL	*66*	*100.4*	*17.7*	*71*	*40.9*	*172.1*	*25,897*	*25,048*	*6,324*	*6,239*

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN [illegible]HE SA[illegible]LE [illegible]OR

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	SAM[illegible]E TREES [illegible]F LOW	AVG	[illegible]IGH	# OF TREES REQ. 5	10	INF. POP. 15
R ALDER	49.2	9.7	155	172	188			
DOUG FIR	75.6	19.[illegible]	[illegible]81	[illegible]846	1,011			
GRAND F	40.7	[illegible]	[illegible]	[illegible]	634			
WHEMLOCK	73.5	[illegible]9.9	5[illegible]	8[illegible]	1,052			
BL MAPLE	40.4	[illegible]2	37	44	50			
WR CEDAR	106.1	9[illegible]	3[illegible]	480	957			
TOTAL	*114.6*	*14.1*	*3[illegible]*	*430*	*491*	*525*	*131*	*58*

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	[illegible]AMPLE TREES - CF [illegible]OW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
R ALDER	45.6	8.9	48	52	57			
DOUG FIR	61.8	15.9	142	169	196			
GRAND F	38.2	17.0	100	121	141			
WHEMLOCK	61.6	25.1	138	185	231			
BL MAPLE	63.0	23.7	17	23	28			
WR CEDAR	100.4	94.0	10	159	308			
TOTAL	*90.6*	*11.1*	*89*	*101*	*112*	*328*	*82*	*36*

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	93.1	17.3	36	43	51			
DOUG FIR	185.7	34.5	12	18	24			
GRAND F	237.3	44.1	6	11	16			
WHEMLOCK	169.9	31.5	5	8	10			
BL MAPLE	192.4	35.7	12	18	25			
WR CEDAR	358.5	66.6	1	2	3			
TOTAL	*54.7*	*10.2*	*90*	*100*	*111*	*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	92.0	17.1	52	63	73			
DOUG FIR	180.1	33.4	25	37	49			
GRAND F	234.8	43.6	14	25	36			
WHEMLOCK	153.6	28.5	18	25	32			

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TC TSTATS

STATISTICS

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PROJECT **MILLWRIG**

DATE 5/4/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
08N	**04W**	**04**	**MILLWRIG**	**00U1**	45.00	30	129	S	W

CL: 68.1 %	COEFF		**BASAL AREA/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.	S.E.%	LOW	AVG	HIGH	5	10	15
BL MAPLE	168.0	31.2	10	15	19			
WR CEDAR	355.3	66.0	3	8	13			
TOTAL	*52.2*	*9.7*	*155*	*172*	*189*	*113*	*28*	*13*

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	98.3	18.2	5,276	6,454	7,631			
DOUG FIR	197.1	36.6	5,030	7,933	10,835			
GRAND F	237.0	44.0	2,939	5,248	7,558			
WHEMLOCK	156.9	29.1	2,946	4,156	5,366			
BL MAPLE	176.1	32.7	471	699	928			
WR CEDAR	366.7	68.1	178	558	938			
TOTAL	*71.2*	*13.2*	*21,739*	*25,048*	*28,357*	*209*	*52*	*23*

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	95.9	17.8	1,591	1,935	2,280			
DOUG FIR	188.4	35.0	1,073	1,650	[illegible]			
GRAND F	235.8	43.8	668	1,187	[illegible]07			
WHEMLOCK	156.5	29.1	697	982	[illegible]			
BL MAPLE	167.3	31.1	204	296	[illegible]			
WR CEDAR	364.5	67.7	61	188	315			
TOTAL	*60.7*	*11.3*	*5,536*	*6,239*	*[illegible]942*	*152*	*38*	*17*

CL: 68.1 %	COEFF		**V-BAR/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
R ALDER			84	[illegible]	122			
DOUG FIR	163.6	30.4	136	215	293			
GRAND F	112.0	20.8	[illegible]	210	[illegible]			
WHEMLOCK	94.0	17.5	118	166	214			
BL MAPLE	134.7	[illegible]	[illegible]	[illegible]48	64			
WR CEDAR	150.8	[illegible]			120			
TOTAL	*204.9*	*[illegible]8.0*	*[illegible]*	*146*	*165*	*1,736*	*434*	*193*

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TC TSTATS

STATISTICS

PROJECT MILLWRIG

DATE 5/4/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
08N	04W	04	MILLWRIG	00U2	69.00	47	278	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	47	278	5.9		
CRUISE	26	153	5.9	9,719	1.6
DBH COUNT					
REFOREST COUNT	20	115	5.8		
BLANKS	1				
100 %					

STAND SUMMARY

	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
DOUG FIR	78	43.4	21.7	94	23.9	111.5	23,917	23,191	5,064	5,054
R ALDER	63	94.4	12.3	62	22.2	78.0	7,927	7,402	2,149	2,091
WR CEDAR	9	1.8	28.1	69	1.4	7.[illegible]	963	802	236	212
WHEMLOCK	3	1.3	26.9	101	1.0	5.[illegible]	1,098	1,062	241	238
TOTAL	*153*	*140.9*	*16.2*	*72*	*50.2*	*202.3*	*33,904*	*32,457*	*7,689*	*7,594*

CONFIDENCE LIMITS OF THE SAMPLE

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

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	SAMPLE TREES LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
DOUG FIR	104.5	11.9	999	1.[illegible]	[illegible]			
R ALDER	64.2	8.1	104		123			
WR CEDAR	83.8	29.6	600	852	1,104			
WHEMLOCK	44.6	30.9	57[illegible]	833	1,090			
TOTAL	*143.2*	*11.6*	*612*	*692*	[illegible]	*819*	*205*	*91*

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	SAMPLE TREES - CF LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
DOUG FIR	90.3	10.3	20[illegible]	22[illegible]	250			
R ALDER	62.2	[illegible]	30	32	35			
WR CEDAR	81.5	2[illegible]	156	219	282			
WHEMLOCK	26.4	18.3	1[illegible]	187	221			
TOTAL	*123.1*	*10.0*	*1[illegible]*	*146*	*160*	*605*	*151*	*67*

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	TREES/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	117.9	17.2	36	43	51			
R ALDER	116.3	16.9	78	94	110			
WR CEDAR	393.6	57.4	1	2	3			
WHEMLOCK	265.2	38.6	1	1	2			
TOTAL	*68.9*	*10.0*	*127*	*141*	*155*	*189*	*47*	*21*

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	BASAL AREA/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	97.8	14.3	96	111	127			
R ALDER	105.9	15.4	66	78	90			
WR CEDAR	338.1	49.3	4	8	11			
WHEMLOCK	264.2	38.5	3	5	7			
TOTAL	*46.8*	*6.8*	*188*	*202*	*216*	*88*	*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
DOUG FIR	101.7	14.8	19,752	23,191	26,629			
R ALDER	106.3	15.5	6,256	7,402	8,549			
WR CEDAR	381.0	55.5	357	802	1,247			
WHEMLOCK	271.7	39.6	641	1,062	1,482			
TOTAL	*65.3*	*9.5*	*29,367*	*32,457*	*35,547*	*170*	*43*	*19*

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TC TSTATS

STATISTICS

PROJECT **MILLWRIG**

DATE 5/4/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
08N	**04W**	**04**	**MILLWRIG**	**00U2**	69.00	47	278	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
DOUG FIR	99.8	14.5	4,319	5,054	5,789			
R ALDER	105.1	15.3	1,771	2,091	2,411			
WR CEDAR	347.7	50.7	104	212	319			
WHEMLOCK	266.1	38.8	146	238	330			
TOTAL	*57.1*	*8.3*	*6,963*	*7,594*	*8,226*	*130*	*33*	*14*

CL: 68.1 %	COEFF		**V-BAR/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
DOUG FIR	48.2	7.0	177	208	239			
R ALDER	13.7	2.0	80	95	110			
WR CEDAR	381.0	55.5	47	105	163			
WHEMLOCK	183.8	26.8	126	208	290			
TOTAL	*178.8*	*26.1*	*145*	*160*	*176*	*1,277*	*319*	*142*

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TC TSTATS

STATISTICS

PROJECT MILLWRIG

DATE 5/4/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
08N	04W	04	MILLWRIG	00U3	0.50	2	12	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	2	12	6.0		
CRUISE	2	12	6.0	86	13.9
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	8	131.4	13.7	55	36.3	134.4	12,417	11,865	3,681	3,681
WHEMLOCK	2	22.7	19.5	76	10.6	46.9	5,969	5,969	1,717	1,717
DOUG FIR	1	7.5	24.0	89	4.8	23.5	3,885	3,885	953	953
BL MAPLE	1	10.7	17.0	40	4.1	16.[illegible]	1,493	1,493	341	341
TOTAL	*12*	*172.2*	*15.4*	*58*	*56.6*	*221.7*	*23,763*	*23,212*	*6,691*	*6,691*

CONFIDENCE LIMITS OF THE SAMPLE

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

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
SAMPLE TREES								
R ALDER	40.3	15.2	87	[illegible]	[illegible]			
WHEMLOCK	18.7	17.5	219	[illegible]	311			
DOUG FIR								
BL MAPLE								
TOTAL	*78.9*	*23.8*	*128*	*168*	[illegible]	*271*	*68*	*30*

CL: 68.1 % SD: 1.0	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
SAMPLE TREES - CF								
R ALDER	34.6	13.0	2[illegible]	3[illegible]	36			
WHEMLOCK	15.4	[illegible]	65	76	87			
DOUG FIR								
BL MAPLE								
TOTAL	*68.3*	*20.6*	[illegible]	*47*	*57*	*203*	*51*	*23*

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	89.6	83.9	21	131	242			
WHEMLOCK	141.4	132.4		23	53			
DOUG FIR	141.4	132.4		7	17			
BL MAPLE	141.4	132.4		11	25			
TOTAL	*34.9*	*32.7*	*116*	*172*	*228*	*85*	*21*	*9*

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	70.7	66.2	45	134	223			
WHEMLOCK	141.4	132.4		47	109			
DOUG FIR	141.4	132.4		23	55			
BL MAPLE	141.4	132.4		17	39			
TOTAL	*12.8*	*11.9*	*195*	*222*	*248*	*11*	*3*	*1*

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	55.4	51.8	5,716	11,865	18,015			
WHEMLOCK	141.4	132.4		5,969	13,873			
DOUG FIR	141.4	132.4		3,885	9,029			
BL MAPLE	141.4	132.4		1,493	3,469			
TOTAL	*40.8*	*38.2*	*14,336*	*23,212*	*32,087*	*117*	*29*	*13*

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TC TSTATS

STATISTICS

PROJECT MILLWRIG

DATE 5/4/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
08N	04W	04	MILLWRIG	00U3	0.50	2	12	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	63.1	59.1	1,505	3,681	5,857			
WHEMLOCK	141.4	132.4		1,717	3,991			
DOUG FIR	141.4	132.4		953	2,214			
BL MAPLE	141.4	132.4		341	792			
TOTAL	*28.9*	*27.1*	*4,881*	*6,691*	*8,502*	*59*	*15*	*7*

CL: 68.1 %	COEFF		V-BAR/ACRE			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
R ALDER	55.4	51.8	43	88	134			
WHEMLOCK	141.4	132.4		127	296			
DOUG FIR	141.4	132.4		166	385			
BL MAPLE	141.4	132.4		89	206			
TOTAL	*27.0*	*25.3*	*65*	*105*	*145*	*51*	*13*	*6*

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TC PSPCTLTCM

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

T08N R04W S04 Ty00U	45.0
T08N R04W S04 Ty00U	69.0
T08N R04W S04 Ty00U	.5

Project MILLWRIG
Acres 114.50

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Species	S T	Total Trees	Total Logs	Total Tons	Net Cubic Ft/ Tree	Net Cubic Ft/ Log	CF/ LF	Total CCF Gross	Total CCF Net	Total MBF Gross	Total MBF Net
DOUG FIR		3,818	9,632	12,112	110.91	43.97	1.32	4,250	4,235	2,019	1,959
R ALDER		8,529	13,310	6,539	27.34	17.52	0.59	2,378	2,332	853	807
WHEMLOCK		446	1,053	1,993	137.83	58.38	1.67	623	615	277	263
GRAND F		503	1,508	1,710	106.33	35.44	1.07	534	534	236	236
WR CEDAR		190	343	616	121.23	67.24	2.09	262	231	96	80
BL MAPLE		837	842	366	16.15	16.04	0.56	138	135	34	32
Totals		14,322	26,687	23,335	56.42	30.28	0.96	8,185	8,081	3,517	3,378

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	4,957	12,535	16,430	113.27	[illegible]	[illegible]34	5,669	5,614	2,629	2,539
H	9,366	14,152	6,905	26.34	[illegible]3	[illegible]	2,516	2,467	888	839
Totals	14,322	26,687	23,335	56.42	30.[illegible]	0.96	8,185	8,081	3,517	3,378

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