WASHINGTON STATE DEPARTMENT OF
NATURAL RESOURCES

TIMBER NOTICE OF SALE

***SALE NAME**: PROVOLONE* ***AGREEMENT NO**: 30-094012*

DRAFT

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

SALE LOCATION: Sale located approximately 15 miles northeast of Camas

PRODUCTS SOLD AND SALE AREA: All timber, except trees marked with blue paint, trees bound out by yellow "Leave Tree Area" tags, western red cedar, snags, all down timber greater than 24 inches in diameter, and all pre-exisiting stups, bound by the following: white "Timber Sale Boundary" tags and the property lines marked with Carsonite posts and pink flagging in units 1, 2, 3,4, and 5. Orange "Right-of-Way" tags and Orange flagging in units 6, 7, and 8. on part(s) of Sections 10 all in Township 2 North, Range 4 East, W.M., containing 151 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	CM	1S	2S	3S	4S	UT
Douglas fir	17.3	7	3,930						1,935	1,518	443	34
Red alder	13.6		26						2	2	14	8
Hemlock	19.9	7	22						14	7	1	
Sale Total			3,9[illegible]									

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

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

EXPIRATION DATE: October 31, 2[illegible] **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, Shovel, Forwarder and Track skidder. 100% ground based harvesting systems. Ground based equipment shall not be permitted on slopes over 40% and/or during wet soil conditions unless approved in writing by the Contract Administrator. Ground Based Yarding will not be permitted from October 31 to April 30 unless authorized in writing by the Contract Administrator.

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TIMBER NOTICE OF SALE

ROADS: 36.90 stations of required construction. 16.34 stations of required reconstruction. 42.42 stations of optional construction. 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 L-1600 Pit located in Section 11, Township 02 North, Range 04 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. 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 (Units 1-5) and Individual Tree Sampling method (Units 6-8).

FEES: $70,000.00 is due on day of sale. This is in addition to the bid price.

SPECIAL REMARKS: This sale has approximately 468 MBF of [illegible] quality 2 saw and 484 MBF of high quality 3 saw Douglas-fir. Where the Jones Creek ORV trail crosses harvest units closure signs will be posted and maintained by the Purchaser during the sale and will be removed after approval of the final trail cleaning done during harvest. See clause H-140 for further requirements along the Jones Creek ORV trail. Recreation trails shall be posted, closed, and a watchman provided during harvest operations. Trails shall be re-opened within fifteen days of completion of yarding operations on each harvest unit. Purchaser must provide a written Hazard Abatement Plan prior to beginning logging operations, along the L-1600.

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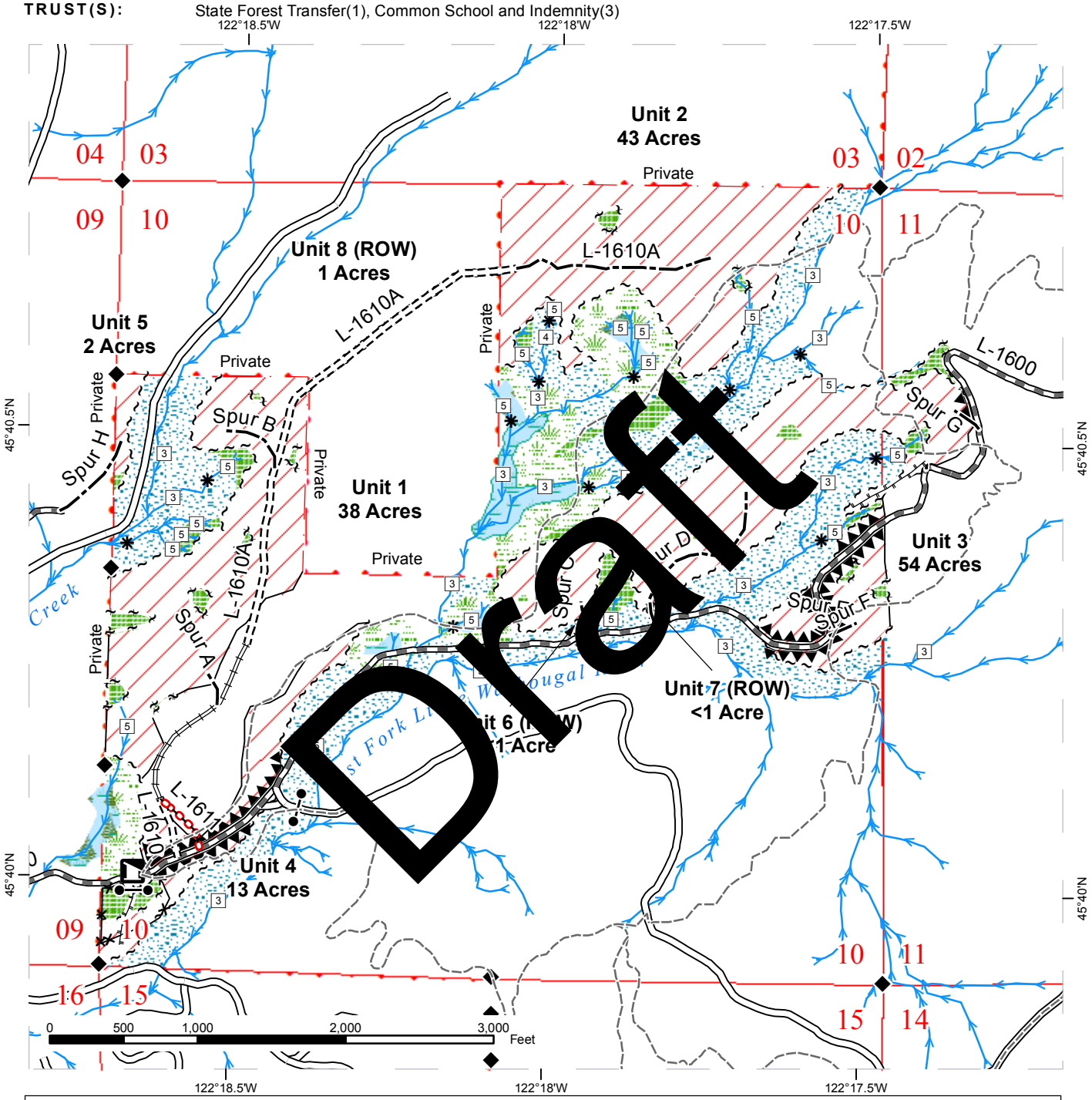
TIMBER SALE MAP

SALE NAME: PROVOLONE
AGREEMENT #: None
TOWNSHIP(S): T02R04
TRUST(S): State Forest Transfer(1), Common School and Indemnity(3)

REGION: Pacific Cascade Region
COUNTY(S): 822-1252
ELEVATION RGE: CLARK



Variable Retention Harvest	Existing Roads	Streams
Leave Tree Area	Required Pre-Haul Maintenance	Monumented Corners
Riparian Mgt Zone	Required Construction	Recreation Site
Wetland Mgt Zone	Required Reconstruction	Gate (PCP 1-1)
Forested Wetland	Optional Construction	
Non-Forested Wetland	Required Abandonment	
	Designated Skid Trail	

N

Prepared By: kbuc490 Creation Date: 11/10/2015 Modification Date: 4/12/2016

DRIVING MAP

SALE NAME: PROVOLONE
AGREEMENT#: 94012
TOWNSHIP(S): T02R04
TRUST(S): State Forest Transfer(1), Common School and Indemnity(3)

REGION: Pacific Cascade Region
COUNTY(S): CLARK
ELEVATION RGE: 822-1252

Timber Sale Unit
Highways
Haul Route
Other Route
Milepost Markers
Distance Indicator
Gate (PCP 1-1)
Existing Rock Pit

DRIVING DIRECTIONS:

From State Route 500 (milepost 15.2), turn East onto NE19th St and travel 1.1 miles.
Veer right (southeast) onto NE Blair Rd and follow for 0.3 miles.
Turn left (northeast onto NE Reilly Rd and follow for 0.6 miles.
Continue north onto NE 292nd Ave for 1.2 miles.
Turn right (east) onto NE Ireland Rd for 0.3 miles.
Veer left (northeast) onto NE Lessard Rd and follow for 2.6 miles.
Continue on NE Boulder Creek for 0.7 miles.
Unit 5 is accessed by turning left (east) onto NE Jones Creek Rd (gate).
Continue on NE Boulder Creek Rd for 0.4 miles, then turn left (east) onto the L-1600 Rd.
Continue east on the L-1600 Rd for 0.2 miles to access Units 1, 2, 3 and 4.

N

Prepared By: kbuc490 Creation Date: 11/10/2015 Modification Date: 4/29/2016

Cruise Narrative

Sale Name: Provolone	**Region:** Pacific Cascade
App. #: 30-094012	**District:** Yacolt
Lead Cruiser: Bryce Frank	**Completion date:** 8-8-2016
Other Cruisers: Eric Carlson	

Unit acreage specifications:

Unit	Acreage	Cruised acres agree with sale acres?	If acres do not agree then explain why.
1	38	Yes	
2	43	Yes	
3	54	Yes	
4	13	Yes	
5	2	Yes	
6 ROW	1	Yes	
7 ROW	1	Yes	
8 ROW	1	Yes	
Total	153		

Unit cruise specifications:

Unit #	Sample type (VP, FP, ITS,100%)	Expansion factor (BAF, ft², tif)	Mounting height (4.5 ft., 16 ft.)	Grid size (plot spacing or % of area)	Plot ratio (Cru./Tally)	Total number of plots
1	VP	33.61	4.5 ft.	220' x 220'	1:1	33
2	VP	40	4.5 ft.	250' x 250'	1:1	31
3	VP	40	4.5 ft.	250' x 250'	1:1	37
4	VP	33	4.5 ft.	240' x 240'	Cruise All	10
5	VP	33.61	4.5 ft.	120' x 120'	Cruise All	6
6 ROW	ITS	DF: 1.83 WH: 2	4.5 ft.	N/A	N/A	N/A
7 ROW	ITS	DF: 2 RA: 1	4.5 ft	N/A	N/A	N/A
8 ROW	ITS	DF: 2.53 RA: 1 WH: 1	4.5 ft.	N/A	N/A	N/A

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. WMZ areas are tagged with blue "Special Management Area" tags, within					

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	these units, leave trees are marked with blue. Trees with “Special Management Area” tags are also included as leave trees.
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:

Provolone - consists of 5 VRH units and 3 ROW units. In total, Provolone is 151 net harvest acres and **3,943 mbf**.

Units 1-3, and 5 are fairly similar in stand structure, with Douglas-fir (DF) being the major species, very minor amounts of Western Hemlock (WH) and Red Alder (RA) are present, but are not a significant source of volume. DF is typical for this area, with bole heights in the range of 60 to 100 feet, with an average height of 77 feet. Diameters ranged from 12 to 24 inches, with an average diameter of 17.4 inches. Quality for DF was mostly domestic at 75% with some B sort at 23%. Defect was low in these units, 3.3%, and consisted of split and broken tops.

Unit 4 is different from the above units, larger DF dominates this 13 acre unit. Some high quality (A sort and SM) is present in this unit.

Units 3, 4, 6 ROW and 7 ROW are located right on the L-1600. Unit 2 does not have direct road access, but can be accessed by foot using the various OHV trails near the northeast edge of unit 3. Similarly, unit 1 can be accessed by the abandoned L-1600 (by foot only). Unit 5 is behind the gate on the Jones Creek Rd.

Grant: 01, 03 **Prepared by: Bruce Frank** **Title: Timber Cruiser**

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TC PSPCSTGR

Species, Sort Grade - Board Foot Volumes (Project)

T02N R04E S10 Ty00U1
THRU
T02N R04E S10 Ty00U8

Project: **PROVOLON**

Acres **153.00**

Page **1**
Date **9/26/2016**
Time **9:39:19AM**

Spp	S T	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
DF		CU CU		100.0	21											2	7		0.00	8.4
DF		HA 2S			97	97	15			100					100	40	13	243	1.49	.4
DF		HA 3S			31	31	5		100						100	40	10	150	0.97	.2
DF		HB 2S	12	1.7	3,012	2,962	453			86	14			9	91	39	13	251	1.57	11.8
DF		HB 3S	12	1.1	3,163	3,129	479		100					38	62	36	10	121	0.88	26.0
DF		D 2S	37	4.3	10,023	9,590	1,467			48	52	0	1	2	97	39	15	342	2.13	28.0
DF		D 3S	26	4.0	7,036	6,751	1,033	22	78			1	0	32	67	37	8	95	0.73	70.8
DF		D 4S	12	.1	2,897	2,895	443	97	3			17	27	24	31	27	5	30	0.32	97.0
DF		D UT			223	223	34	66	4	30		20	7	33	40	22	5	32	0.43	6.9
DF		RO 3S	1		9	9	1			100			100			23	15	200	2.75	.0
DF	**Totals**		99	3.1	26,512	25,688	3,930	17	33	29	[illegible]	2	3	18	76	32	8	103	0.85	249.6
WH		D 2S	64	8.1	103	94	14			[illegible]	5			23	77	38	15	299	2.08	.3
WH		D 3S	32		46	46	7	43	57					76	24	34	8	88	0.83	.5
WH		D 4S	4		6	6	1	100							5	23	5	22	0.33	.3
WH	**Totals**		1	5.4	154	146	22	18	19	62	3		4	39	57	32	9	133	1.17	1.1
RA		CU CU		100.0	1											2	8		0.00	.7
RA		D UT	23		39	39	6	10				36	31		33	22	5	23	0.31	1.6
RA		D 2S	9	7.7	15	14	[illegible]			100			100			27	12	120	1.70	.1
RA		D 3S	8	9.1	16	14	[illegible]		1[illegible]				100			30	10	100	1.17	.1
RA		D 4S	18	16.4	34	28	[illegible]		100				100			30	8	50	0.63	.6
RA		D 4S	42	2.8	70	[illegible]	10	100				0	41	7	53	35	6	53	0.62	1.3
RA	**Totals**		1	6.6	[illegible]	164	25		26	9		9	59	3	30	24	7	37	0.56	4.5
Totals				3.1	26,8[illegible]	25,997	3[illegible]8	18	33	29	21	2	4	18	76	32	8	102	0.85	255.1

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TC PSTATS

PROJECT STATISTICS

PROJECT PROVOLON

DATE 9/26/2016

TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt
02N	04E	10	PROVOLON	00U1	THR	153.00	120	660	S	W
02N	04E	10	PROVOLON	00U8						

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	120	660	5.5		
CRUISE	70	392	5.6	18,312	2.1
DBH COUNT					
REFOREST					
COUNT	49	267	5.4		
BLANKS	1				
100 %					

STAND SUMMARY

	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
DOUG FIR	364	116.5	17.3	77	45.8	190.6	26,512	25,688	6,749	6,743
R ALDER	18	2.6	13.6	48	0.7	2.[illegible]	175	164	61	60
WHEMLOCK	10	.6	19.9	65	0.3	1.[illegible]	154	146	41	41
TOTAL	*392*	*119.7*	*17.3*	*77*	*46.8*	*194.5*	*26,842*	*25,997*	*6,851*	*6,845*

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SA[illegible] ERROR

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	84.4	4.5	347		380			
R ALDER	49.5	12.0	49		62			
WHEMLOCK	104.2	34.7	148	227	306			
TOTAL	*88.4*	*4.5*	*3[illegible]*	*346*	*3[illegible]*	*312*	*78*	*35*

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	75.4	[illegible].0			96			
R ALDER	61.0	[illegible]4.8	19	22	26			
WHEMLOCK	98.4	[illegible]	42	62	82			
TOTAL	*78.7*	*4.0*	*8[illegible]*	*88*	*91*	*247*	*62*	*27*

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	59.9	5.5	110	116	123			
R ALDER	518.9	47.3	1	3	4			
WHEMLOCK	523.9	47.8	0	1	1			
TOTAL	*57.2*	*5.2*	*113*	*120*	*126*	*130*	*33*	*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
DOUG FIR	49.5	4.5	182	191	199			
R ALDER	554.3	50.6	1	3	4			
WHEMLOCK	523.4	47.7	1	1	2			
TOTAL	*47.2*	*4.3*	*186*	*195*	*203*	*89*	*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	50.1	4.6	24,513	25,688	26,862			
R ALDER	537.5	49.0	83	164	244			
WHEMLOCK	535.3	48.8	75	146	217			
TOTAL	*48.9*	*4.5*	*24,838*	*25,997*	*27,156*	*95*	*24*	*11*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	NET CUFT FT/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	49.8	4.5	6,437	6,743	7,050			
R ALDER	552.6	50.4	30	60	91			

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TC PSTATS

PROJECT STATISTICS

PROJECT **PROVOLON**

PAGE **2**
DATE 9/26/2016

TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt
02N	04E	10	PROVOLON	00U1	THR	153.00	120	660	S	W
02N	04E	10	PROVOLON	00U8						

CL 68.1	COEFF		**NET CUFT FT/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.00	VAR.	S.E.%	LOW	AVG	HIGH	5	10	15
WHEMLOCK	537.0	49.0	21	41	62			
TOTAL	*48.1*	*4.4*	*6,545*	*6,845*	*7,145*	*92*	*23*	*10*

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			129	135	141			
R ALDER	480.5	43.8	31	61	91			
WHEMLOCK	476.1	43.4	61	118	176			
TOTAL	*49.6*	*4.5*	*128*	*134*	*140*	*98*	*25*	*11*

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T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: PROVOLON

Date 9/26/2016

Time 9:39:20AM

T02N R04E S10 T00U1

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
02N	04E	10	PROVOLON	00U1	38.00	33	83	S	W

T02N R04E S10 T00U1

Spp	ST	Sort	Grade	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 5-7	8-11	12-15	16+	Log Length 12-20	21-30	31-35	36-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
DF		CU	CU															7		0.00	3.0
DF		HB	2S	9	1.9	2,209	2,167	82			71	29			12	88	39	14	274	1.65	7.9
DF		HB	3S	9	1.7	2,238	2,199	84		100					39	61	37	10	124	0.89	17.7
DF		DM	2S	40	3.8	9,732	9,360	356			48	52			5	95	39	15	345	2.19	27.1
DF		DM	3S	28	3.6	6,964	6,712	255	31	69			1		26	73	38	8	94	0.69	71.5
DF		DM	4S	13		2,927	2,927	111	98	2			19	24	25	31	28	5	31	0.31	94.3
DF		DM	UT			167	167	6	76	24			76		24		12	5	13	0.27	13.1
DF		RO	3S	1		38	38	1			100			100			23	15	200	2.75	.2
DF	**Totals**			98	2.9	24,276	23,571	896	22	29	[illegible]	[illegible]	3	3	17	76	32	8	100	0.82	234.9
RA		CU	CU		100.0	6											7	12		0.00	.9
RA		DM	UT	24		85	85	3	100				13	[illegible]		61	26	5	24	0.37	3.5
RA		DM	2S	16	7.7	61	56	2			100			100			27	12	120	1.70	.5
RA		DM	3S	16	9.1	63	58	2						100			30	10	100	1.17	.6
RA		DM	4S	32	16.7	133	110	4		100				100			30	8	50	0.63	2.2
RA		DM	4S	12	16.7	47	40	2							41	59	36	6	50	1.28	.8
RA	**Totals**			1	11.7	395	349	[illegible]	36		16		3	71	5	22	26	7	41	0.69	8.5
WH		DM	2S	81	5.4	203	[illegible]	[illegible]			100				46	54	36	14	270	2.04	.7
WH		DM	3S	19		43	43	[illegible]	100						100		32	7	60	0.70	.7
WH	**Totals**			1	4.5	[illegible]	234	9	[illegible]		82				56	44	34	11	165	1.42	1.4
Type Totals					3.1	24,[illegible]	24,154	[illegible]	22	29	26	23	3	4	18	75	32	8	99	0.82	244.8

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T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: PROVOLON

Date 9/26/2016

Time 9:39:20AM

T02N R04E S10 T00U2

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
02N	04E	10	PROVOLON	00U2	43.00	31	84	S	W

T02N R04E S10 T00U2

Spp	ST	Sort	Grad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 5-7	8-11	12-15	16+	Log Length 12-20	21-30	31-35	36-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
DF		CU	CU		100.0	39											3	6		0.00	7.9
DF		HB	2S	8	2.6	2,673	2,604	112			100				22	78	38	13	213	1.41	12.2
DF		HB	3S	12	.9	3,565	3,534	152		100					50	50	35	9	110	0.86	32.2
DF		DM	2S	35	4.3	10,947	10,475	450			63	37	0	1	1	97	39	14	315	1.98	33.3
DF		DM	3S	31	4.3	9,775	9,353	402	15	85			0		29	71	37	9	100	0.76	93.7
DF		DM	4S	12		3,781	3,781	163	98	2			12	30	28	31	28	5	30	0.33	124.1
DF		DM	UT	2		334	334	14	30		70		14	16		70	27	7	66	0.77	5.1
DF	**Totals**			99	3.3	31,113	30,082	1,294	17	39	31	[illegible]	2	4	21	73	32	8	98	0.81	308.5
RA		CU	CU															6		0.00	1.4
RA		DM	UT	17		39	39	2	100				[illegible]				16	5	20	0.20	2.0
RA		DM	4S	83		182	182	8	100				[illegible]	54		46	34	7	54	0.51	3.4
RA	**Totals**			1		221	221	9	100				18	44		38	22	6	33	0.44	6.7
Type Totals					3.3	31,334	30,303	1,303	[illegible]	38	[illegible]	13	[illegible]	5	21	73	32	8	96	0.81	315.2

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T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: PROVOLON

Date 9/26/2016

Time 9:39:20AM

T02N R04E S10 T00U3

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
02N	04E	10	PROVOLON	00U3	54.00	37	85	S	W

T02N R04E S10 T00U3

Spp	ST	Sort	Grade	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 5-7	8-11	12-15	16+	Log Length 12-20	21-30	31-35	36-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
DF		CU	CU														0	7		0.00	7.8
DF		HB	2S	17	1.2	4,037	3,988	215			88	12			4	96	39	13	259	1.60	15.4
DF		HB	3S	13	1.4	3,013	2,969	160		100					38	62	36	10	133	0.92	22.3
DF		DM	2S	36	5.1	8,510	8,073	436			42	58	0		1	98	40	15	350	2.19	23.1
DF		DM	3S	23	4.8	5,660	5,388	291	21	79			1	1	38	61	36	9	96	0.76	56.3
DF		DM	4S	9		2,072	2,072	112	98	2			20	21	20	39	26	5	29	0.34	72.0
DF		DM	UT	2		247	247	13	100						74	26	35	5	40	0.34	6.2
DF	**Totals**			99	3.4	23,539	22,737	1,228	15	32	30	[illegible]	2	2	18	78	32	9	112	0.93	203.0
WH		DM	2S	82	11.1	135	120	6			[illegible]					100	40	15	320	2.05	.4
WH		DM	3S	18		26	26	1	100							100	38	7	70	0.75	.4
WH	**Totals**			1	9.3	161	146	8	18		[illegible]					100	39	11	195	1.42	.7
Type Totals					3.4	23,700	22,883	1,236	15	[illegible]	[illegible]	23	2	2	17	78	32	9	112	0.93	203.8

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T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: PROVOLON

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T02N R04E S10 T00U4

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
02N	04E	10	PROVOLON	00U4	13.00	10	72	S	W

T02N R04E S10 T00U4

Spp	ST	Sort	Grad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 5-7	8-11	12-15	16+	Log Length 12-20	21-30	31-35	36-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
DF		CU	CU		100.0	123											4	6		0.00	29.7
DF		HA	2S	3		1,147	1,147	15			100					100	40	13	243	1.49	4.7
DF		HA	3S	1		361	361	5		100						100	40	10	150	0.97	2.4
DF		HB	2S	9	.9	3,113	3,084	40			71	29				100	40	14	294	1.79	10.5
DF		HB	3S	15		5,477	5,477	71		100					16	84	38	9	117	0.83	46.6
DF		DM	2S	44	3.5	15,837	15,278	199			29	71		1	1	98	40	16	392	2.26	39.0
DF		DM	3S	17	1.1	5,885	5,818	76	34	66			1	3	39	57	36	8	81	0.63	71.9
DF		DM	4S	11		3,856	3,856	50	91	9			22	39	21	18	25	5	28	0.30	137.4
DF		**Totals**		99	2.2	35,799	35,020	455	16	29	[illegible]	3	3	5	12	81	30	8	102	0.86	342.1
WH		DM	3S	85		289	289	4		100					100		32	10	120	0.97	2.4
WH		DM	4S	15		48	48	1	100					[illegible]			21	5	20	0.34	2.4
WH		**Totals**		1		337	337	4	14	86				14	86		27	8	70	0.72	4.8
Type Totals					2.2	36,136	35,357	460		29		33		5	12	80	30	8	102	0.86	346.9

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T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: PROVOLON

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T02N R04E S10 T00U5

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
02N	04E	10	PROVOLON	00U5	2.00	6	27	S	W

T02N R04E S10 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
DF		CU	CU														1	10		0.00	10.8
DF		HB	2S	10	1.8	1,752	1,720	3			100					100	38	13	206	1.33	8.3
DF		HB	3S	34		5,509	5,509	11		100						100	36	9	112	0.80	49.2
DF		DM	2S	25	3.4	4,283	4,136	8			54	46			10	90	38	15	346	2.23	11.9
DF		DM	3S	13	3.3	2,173	2,102	4	60	40					32	68	35	7	65	0.58	32.1
DF		DM	4S	18	4.2	3,022	2,895	6	100					63	22	15	29	5	30	0.30	96.2
DF		**Totals**		94	2.2	16,738	16,362	33	25	39	24	12		11	10	78	31	8	78	0.67	208.7
RA		CU	CU															6		0.00	8.5
RA		DM	UT	48		481	481	1	100					100			27	5	30	0.24	16.0
RA		DM	4S	52		509	509	1	100							100	40	6	60	0.43	8.5
RA		**Totals**		6		991	991	2	100							51	23	6	30	0.32	33.0
Type Totals					2.1	17,729	17,353	35	30		3	11		13	10	77	30	7	72	0.64	241.7

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T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

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T02N R04E S10 T00U6

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
02N	04E	10	PROVOLON	00U6	1.00	1	9	S	W

T02N R04E S10 T00U6

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		HB	3S	4		165	165	0		100					100		32	9	90	0.76	1.8
DF		DM	2S	64	1.6	2,288	2,251	2			59	41			13	87	38	14	308	2.00	7.3
DF		DM	3S	24		860	860	1	13	87					55	45	36	9	118	0.88	7.3
DF		DM	4S	6		238	238	0	85	15			38			62	27	6	33	0.37	7.3
DF		DM	UT	2		37	37	0	100				100				20	5	20	0.34	1.8
DF	**Totals**			95	1.0	3,587	3,550	4	10	27	37	26	4		26	70	32	10	139	1.10	25.6
WH		DM	4S	100		180	180	0	100					100			29	5	30	0.28	6.0
WH	**Totals**			5		180	180	0	100					100			29	5	30	0.28	6.0
Type Totals					1.0	3,767	3,730	4	14	26	[illegible]	[illegible]		5	25	67	32	9	118	0.96	31.6

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T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: PROVOLON

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T02N R04E S10 T00U7

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
02N	04E	10	PROVOLON	00U7	1.00	1	9	S	W

T02N R04E S10 T00U7

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		HB	3S	9		480	480	0		100					50	50	36	10	120	0.86	4.0
DF		DM	2S	68	2.2	3,700	3,620	4			22	78			10	90	30	16	362	2.74	10.0
DF		DM	3S	15		760	760	1	16	84					53	47	34	9	95	0.81	8.0
DF		DM	4S	8		400	400	0	85	15			40		60		23	6	29	0.34	14.0
DF	**Totals**			98	1.5	5,340	5,260	5	9	22	15	54	3		24	73	29	9	146	1.23	36.0
RA		DM	UT	22		20	20	0	100				100				17	5	20	0.29	1.0
RA		DM	4S	78		70	70	0		100				100			30	9	70	0.76	1.0
RA	**Totals**			2		90	90	0	22	78			22	78			24	7	45	0.59	2.0
Type Totals					1.5	5,430	5,350	5	9	23	[illegible]	[illegible]	[illegible]	1	24	72	29	9	141	1.21	38.0

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T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

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T02N R04E S10 T00U8

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
02N	04E	10	PROVOLON	00U8	1.00	1	24	S	W

T02N R04E S10 T00U8

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															7		0.00	7.6
DF		DM	2S	75	4.5	12,979	12,397	12			47	53			3	97	39	15	350	2.15	35.4
DF		DM	3S	20	4.5	3,390	3,238	3	21	79					45	55	37	9	107	0.79	30.4
DF		DM	4S	4		734	734	1	59	41			66		21	14	19	7	26	0.43	27.8
DF		DM	UT	1		51	51	0	100				100				15	5	20	0.20	2.5
DF	**Totals**			93	4.3	17,153	16,420	16	7	17	36	40	3		12	85	30	10	158	1.34	103.7
WH		DM	2S	66	5.7	700	660	1				100				100	40	20	660	3.55	1.0
WH		DM	3S	26		260	260	0		100						100	39	10	130	1.13	2.0
WH		DM	4S	8		70	70	0	100					43		57	33	5	35	0.34	2.0
WH	**Totals**			6	3.9	1,030	990	1	7	26		67		3		97	36	10	198	1.38	5.0
RA		DM	UT	5		10	10	0	100				100				13	5	10	0.24	1.0
RA		DM	4S	25	16.7	60	50	0						100			30	8	50	0.64	1.0
RA		DM	4S	70		140	140	0	1[illegible]					36	50		27	5	28	0.37	5.0
RA	**Totals**			1	4.8	210	200	0		2[illegible]			15	50	35		25	5	29	0.40	7.0
Type Totals					4.3	18,393	17,610	18	8		33	41	3	1	12	84	30	10	152	1.30	115.7

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TC TSTATS

STATISTICS

PROJECT PROVOLON

DATE 9/26/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
02N	04E	10	PROVOLON	00U1	38.00	33	182	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	33	182	5.5		
CRUISE	16	83	5.2	4,705	1.8
DBH COUNT					
REFOREST					
COUNT	16	99	6.2		
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	74	117.8	16.6	78	43.3	176.[illegible]	24,276	23,571	6,150	6,149
R ALDER	7	5.3	15.6	45	1.8	7.[illegible]	395	349	155	153
WHEMLOCK	2	.7	22.9	70	0.4	2.0	245	234	69	69
TOTAL	*83*	*123.8*	*16.6*	*76*	*45.5*	*185.[illegible]*	*[illegible]016*	*24,154*	*6,373*	*6,372*

CONFIDENCE LIMITS OF THE SAMPLE

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

CL: 68.1 %	COEFF		**SAMPLE TRE[illegible] - BF**			# OF TREES REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AV[illegible]	HI[illegible]	5	10	15
DOUG FIR	93.0	10.8	324	[illegible]	402			
R ALDER	42.1	17.1	58	70	82			
WHEMLOCK			33[illegible]	330	330			
TOTAL	*97.5*	*10.7*	*301*	*337*	[illegible]	*380*	*95*	*42*

CL: 68.1 %	COEFF		**[illegible]AMPLE[illegible]EES - CF**			# OF TREES REQ.		INF. POP.
SD: 1.0	VAR.%	S.[illegible]	LOW	A[illegible]	HIGH	5	10	15
DOUG FIR	83.3	9.7	8[illegible]	92	101			
R ALDER	36.7	[illegible]	29	34	39			
WHEMLOCK	1.8	1[illegible]	95	97	98			
TOTAL	*85.0*	*9.3*	[illegible]	*87*	*96*	*289*	*72*	*32*

CL: 68.1 %	COEFF		**[illegible]TREES/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	[illegible]OW	AVG	HIGH	5	10	15
DOUG FIR	64.8	11.3	104	118	131			
R ALDER	447.6	77.9	1	5	9			
WHEMLOCK	401.4	69.8	0	1	1			
TOTAL	*57.9*	*10.1*	*111*	*124*	*136*	*134*	*33*	*15*

CL: 68.1 %	COEFF		**BASAL AREA/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
DOUG FIR	50.9	8.9	161	176	192			
R ALDER	404.1	70.3	2	7	12			
WHEMLOCK	399.8	69.5	1	2	3			
TOTAL	*43.7*	*7.6*	*171*	*185*	*199*	*76*	*19*	*8*

CL: 68.1 %	COEFF		**NET BF/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
DOUG FIR	50.6	8.8	21,498	23,571	25,643			
R ALDER	439.5	76.4	82	349	615			
WHEMLOCK	401.4	69.8	71	234	398			
TOTAL	*47.2*	*8.2*	*22,172*	*24,154*	*26,136*	*89*	*22*	*10*

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	50.4	8.8	5,611	6,149	6,688			
R ALDER	413.8	72.0	43	153	264			
WHEMLOCK	401.0	69.7	21	69	117			

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TC TSTATS

STATISTICS

PROJECT **PROVOLON**

DATE 9/26/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
02N	**04E**	**10**	**PROVOLON**	**00U1**	38.00	33	182	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
TOTAL	*45.2*	*7.9*	*5,870*	*6,372*	*6,873*	*82*	*20*	*9*

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			122	134	146			
R ALDER	439.5	76.4	12	49	86			
WHEMLOCK	401.4	69.8	35	115	195			
TOTAL	*232.4*	*40.4*	*120*	*130*	*141*	*2,156*	*539*	*240*

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TC TSTATS

STATISTICS

PROJECT PROVOLON

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TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
02N	04E	10	PROVOLON	00U2	43.00	31	182	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	31	182	5.9		
CRUISE	15	84	5.6	6,200	1.4
DBH COUNT					
REFOREST COUNT	16	98	6.1		
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
DOUG FIR	82	140.8	17.3	78	55.5	231.0	31,113	30,082	8,102	8,089
R ALDER	2	3.4	11.9	54	0.7	2.6	221	221	65	65
TOTAL	*84*	*144.2*	*17.2*	*77*	*56.3*	*233.5*	*31,334*	*30,303*	*8,166*	*8,153*

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	10	15
DOUG FIR	90.1	10.0	285	316	348			
R ALDER	10.9	10.2	58	65	[illegible]			
TOTAL	*91.6*	*10.0*	*279*	[illegible]	[illegible]	*335*	*84*	*37*

CL: 68.1 %	COEFF		**SAMPLE TREES - [illegible]**			# OF TREES REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
DOUG FIR	76.3	8.5	[illegible]	82	[illegible]			
R ALDER	18.7	17.5	16	20	23			
TOTAL	*77.7*	*8.5*	*73*	*80*	*87*	*241*	*60*	*27*

CL: 68.1 %	COEFF		**TREES/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	[illegible]%	LOW	AVG	HIGH	5	10	15
DOUG FIR	36.5		132	141	150			
R ALDER	392.7	70.[illegible]	[illegible]	3	6			
TOTAL	*35.9*	*6.4*	[illegible]	*144*	*153*	*52*	*13*	*6*

CL: 68.1 %	COEFF		**BASAL AREA/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
DOUG FIR	33.1	5.9	217	231	245			
R ALDER	387.1	69.5	1	3	4			
TOTAL	*32.2*	*5.8*	*220*	*234*	*247*	*41*	*10*	*5*

CL: 68.1 %	COEFF		**NET BF/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
DOUG FIR	35.5	6.4	28,163	30,082	32,000			
R ALDER	398.8	71.6	63	221	379			
TOTAL	*34.9*	*6.3*	*28,407*	*30,303*	*32,198*	*49*	*12*	*5*

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	34.4	6.2	7,589	8,089	8,588			
R ALDER	387.3	69.5	20	65	110			
TOTAL	*33.6*	*6.0*	*7,662*	*8,153*	*8,645*	*45*	*11*	*5*

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			122	130	139			
R ALDER	398.8	71.6	24	86	147			
TOTAL	*209.2*	*37.5*	*122*	*130*	*138*	*1,747*	*437*	*194*

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TC TSTATS

STATISTICS

PROJECT PROVOLON

DATE 9/26/2016

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
02N	04E	10	PROVOLON	00U3	54.00	37	155	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	37	155	4.2		
CRUISE	20	84	4.2	4,938	1.7
DBH COUNT					
REFOREST COUNT	17	70	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
DOUG FIR	83	91.1	18.3	77	38.9	166.5	23,539	22,737	5,957	5,957
WHEMLOCK	1	.4	23.0	80	0.2	1.1	161	146	41	41
TOTAL	*84*	*91.4*	*18.3*	*77*	*39.1*	*167.6*	*23,700*	*22,883*	*5,998*	*5,998*

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	10	15
DOUG FIR	77.6	8.5	340	372	404			
WHEMLOCK								
TOTAL	*77.1*	*8.4*	*341*	*3[illegible]*		*238*	*59*	*26*

CL: 68.1 %	COEFF		**SAMPLE TREES - [illegible]**			# OF TREES REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
DOUG FIR	69.7	7.6		96	1[illegible]			
WHEMLOCK								
TOTAL	*69.1*	*7.5*	*89*	*96*	*103*	*191*	*48*	*21*

CL: 68.1 %	COEFF		**TREES/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
DOUG FIR	52.6		83	91	99			
WHEMLOCK	608.3	99.[illegible]	0	0	1			
TOTAL	*52.0*	*8.5*		*91*	*99*	*108*	*27*	*12*

CL: 68.1 %	COEFF		**BASAL AREA/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
DOUG FIR	39.4	6.5	156	166	177			
WHEMLOCK	608.3	99.9	0	1	2			
TOTAL	*38.9*	*6.4*	*157*	*168*	*178*	*60*	*15*	*7*

CL: 68.1 %	COEFF		**NET BF/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
DOUG FIR	38.8	6.4	21,286	22,737	24,188			
WHEMLOCK	608.3	99.9	0	146	292			
TOTAL	*38.4*	*6.3*	*21,439*	*22,883*	*24,328*	*59*	*15*	*7*

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	38.5	6.3	5,581	5,957	6,333			
WHEMLOCK	608.3	99.9	0	41	83			
TOTAL	*38.0*	*6.2*	*5,623*	*5,998*	*6,373*	*58*	*14*	*6*

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			128	137	145			
WHEMLOCK	608.3	99.9	0	135	270			
TOTAL	*172.5*	*28.3*	*128*	*137*	*145*	*1,188*	*297*	*132*

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TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
02N	04E	10	PROVOLON	00U4	13.00	10	72	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	10	72	7.2		
CRUISE	10	72	7.2	2,125	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
DOUG FIR	71	161.1	16.5	78	58.8	238.6	35,799	35,020	8,755	8,735
WHEMLOCK	1	2.4	16.0	55	0.8	3.4	337	337	92	92
TOTAL	*72*	*163.5*	*16.5*	*78*	*59.6*	*242.0*	*36,136*	*35,357*	*8,847*	*8,827*

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	10	15
DOUG FIR	76.8	9.4	409	451	494			
WHEMLOCK								
TOTAL	*77.5*	*9.4*	*405*	*4[illegible]*	[illegible]	*240*	*60*	*27*

CL: 68.1 %	COEFF		**SAMPLE TREES - [illegible]**			# OF TREES REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
DOUG FIR	71.2	8.7		109	11[illegible]			
WHEMLOCK								
TOTAL	*71.8*	*8.7*	*98*	*108*	*117*	*206*	*51*	*23*

CL: 68.1 %	COEFF		**TREES/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
DOUG FIR	54.5	[illegible]	132	161	190			
WHEMLOCK	316.2	105.2		2	5			
TOTAL	*53.1*	*17.7*	[illegible]	*163*	*192*	*125*	*31*	*14*

CL: 68.1 %	COEFF		**BASAL AREA/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
DOUG FIR	32.2	10.7	213	239	264			
WHEMLOCK	316.2	105.2		3	7			
TOTAL	*31.9*	*10.6*	*216*	*242*	*268*	*45*	*11*	*5*

CL: 68.1 %	COEFF		**NET BF/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
DOUG FIR	32.0	10.6	31,291	35,020	38,750			
WHEMLOCK	316.2	105.2		337	692			
TOTAL	*31.8*	*10.6*	*31,620*	*35,357*	*39,095*	*45*	*11*	*5*

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	32.1	10.7	7,803	8,735	9,667			
WHEMLOCK	316.2	105.2		92	189			
TOTAL	*31.9*	*10.6*	*7,890*	*8,827*	*9,764*	*45*	*11*	*5*

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	32.0	10.6	131	147	162			
WHEMLOCK	316.2	105.2		100	206			
TOTAL	*31.8*	*10.6*	*131*	*146*	*162*	*45*	*11*	*5*

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TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
02N	04E	10	PROVOLON	00U5	2.00	6	27	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	6	27	4.5		
CRUISE	6	27	4.5	263	10.3
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	25	106.9	15.5	69	35.6	140.0	16,738	16,362	4,348	4,349
R ALDER	2	24.5	9.1	45	3.7	11.2	991	991	251	251
TOTAL	*27*	*131.5*	*14.5*	*65*	*39.7*	*151.2*	*17,729*	*17,353*	*4,599*	*4,600*

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	10	15
DOUG FIR	80.2	16.3	198	236	275			
R ALDER	47.1	44.1	25	45	[illegible]			
TOTAL	*85.1*	*16.7*	*185*	*2[illegible]*	[illegible]	*301*	*75*	*33*

CL: 68.1 %	COEFF		**SAMPLE TREES - [illegible]**			# OF TREES REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
DOUG FIR	75.7	15.4	[illegible]	63	[illegible]			
R ALDER	63.1	59.1	5	12	19			
TOTAL	*80.8*	*15.8*	*50*	*59*	*68*	*271*	*68*	*30*

CL: 68.1 %	COEFF		**TREES/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
DOUG FIR	75.7	[illegible]	71	107	143			
R ALDER	165.6	73.[illegible]	6[illegible]	25	43			
TOTAL	*60.1*	*26.7*	[illegible]	*131*	*167*	*172*	*43*	*19*

CL: 68.1 %	COEFF		**BASAL AREA/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
DOUG FIR	49.0	21.8	109	140	171			
R ALDER	154.9	69.0	3	11	19			
TOTAL	*41.6*	*18.5*	*123*	*151*	*179*	*82*	*21*	*9*

CL: 68.1 %	COEFF		**NET BF/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
DOUG FIR	48.8	21.7	12,810	16,362	19,915			
R ALDER	155.0	69.0	307	991	1,675			
TOTAL	*41.9*	*18.6*	*14,119*	*17,353*	*20,588*	*83*	*21*	*9*

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	49.9	22.2	3,384	4,349	5,315			
R ALDER	157.9	70.3	74	251	427			
TOTAL	*43.7*	*19.4*	*3,705*	*4,600*	*5,494*	*91*	*23*	*10*

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	48.8	21.7	91	117	142			
R ALDER	155.0	69.0	27	88	149			
TOTAL	*41.9*	*18.6*	*93*	*115*	*136*	*83*	*21*	*9*

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PROJECT **PROVOLON**

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TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
02N	04E	10	PROVOLON	00U6	1.00	1	9	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	1	9	9.0		
CRUISE	1	9	9.0	17	53.0
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	6	11.0	20.4	79	5.5	24.9	3,587	3,550	916	916
WHEMLOCK	3	6.0	8.7	43	0.8	2.5	180	180	47	47
TOTAL	*9*	*17.0*	*17.2*	*66*	*6.6*	*27.4*	*3,767*	*3,730*	*963*	*963*

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	10	15
DOUG FIR	71.9	32.0	220	323	427			
WHEMLOCK			30	30	[illegible]			
TOTAL	*104.2*	*36.8*	*143*	*2[illegible]*	[illegible]	*487*	*122*	*54*

CL: 68.1 %	COEFF		**SAMPLE TREES - [illegible]**			# OF TREES REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
DOUG FIR	64.0	28.5	[illegible]	83	1[illegible]			
WHEMLOCK	17.3	12.0	7	8	9			
TOTAL	*97.3*	*34.2*	*38*	*58*	*78*	*424*	*106*	*47*

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TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
02N	04E	10	PROVOLON	00U7	1.00	1	9	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	1	9	9.0		
CRUISE	1	9	9.0	17	52.9
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
DOUG FIR	8	16.0	20.4	71	8.0	36.1	5,340	5,260	1,284	1,284
R ALDER	1	1.0	14.0	51	0.3	1.1	90	90	28	28
TOTAL	*9*	*17.0*	*20.0*	*70*	*8.3*	*37.2*	*5,430*	*5,350*	*1,311*	*1,311*

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	10	15
DOUG FIR	112.2	42.3	190	329	468			
R ALDER								
TOTAL	*117.1*	*41.3*	*177*	*3[illegible]*	[illegible]	*615*	*154*	*68*

CL: 68.1 %	COEFF		**SAMPLE TREES - [illegible]**			# OF TREES REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
DOUG FIR	104.0	39.2		80	11[illegible]			
R ALDER								
TOTAL	*107.5*	*38.0*	*46*	*74*	*103*	*518*	*130*	*58*

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TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
02N	04E	10	PROVOLON	00U8	1.00	1	24	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	1	24	24.0		
CRUISE	1	24	24.0	47	51.1
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	15	38.0	22.5	86	22.1	105.1	17,153	16,420	4,121	4,121
WHEMLOCK	3	3.0	20.5	69	1.5	6.9	1,030	990	251	251
R ALDER	6	6.0	10.6	37	1.1	3.7	210	200	72	72
TOTAL	*24*	*47.0*	*21.2*	*78*	*25.1*	*115.[illegible]*	*18,393*	*17,610*	*4,444*	*4,444*

CONFIDENCE LIMITS OF THE SAMPLE

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

CL: 68.1 %	COEFF		**SAMPLE TREES - BF**			TREES REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	[illegible]GH	5	10	15
DOUG FIR	58.5	15.6	365	43[illegible]	[illegible]			
WHEMLOCK	117.4	81.2	62	[illegible]	[illegible]			
R ALDER	45.2	20.1	27	[illegible]	40			
TOTAL	*89.4*	*18.6*	*260*	*320*	*380*	*333*	*83*	*37*

CL: 68.1 %	COEFF		**S[illegible]LE TREES [illegible]**			# OF TREES REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
DOUG FIR	53.1	14.[illegible]	[illegible]93	[illegible]109	124			
WHEMLOCK	112.1	[illegible]	[illegible]	[illegible]	149			
R ALDER	59.2	[illegible]6.3	[illegible]	[illegible]	15			
TOTAL	*82.9*	[illegible]	*67*	*81*	*95*	*286*	*72*	*32*

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TC PSPCTLTCM

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

T02N R04E S10 Ty00U1	38.0
T02N R04E S10 Ty00U2	43.0
T02N R04E S10 Ty00U	1.0

Project PROVOLON
Acres 153.00

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Species	S T	Total Trees	Total Logs	Total Tons	Net Cubic Ft/ Tree	Net Cubic Ft/ Log	CF/ LF	Total CCF Gross	Total CCF Net	Total MBF Gross	Total MBF Net
DOUG FIR		17,822	36,890	29,427	57.89	27.97	0.86	10,325	10,317	4,056	3,930
R ALDER		403	573	255	22.85	16.07	0.58	93	92	27	25
WHEMLOCK		88	168	203	72.43	37.72	1.16	63	63	24	22
Totals		18,312	37,631	29,886	57.19	27.83	0.85	10,482	10,473	4,107	3,978

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	17,909	37,058	29,630	57.96	28.01	0.86	10,389	10,381	4,080	3,953
H	403	573	255	22.85	16.07	0.58	93	92	27	25
Totals	18,312	37,631	29,886	57.19	27.83	0.85	10,482	10,473	4,107	3,978

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