ROOTS FORESTRY

9/26/16

Stephanie Holmberg
Capital Projects Assistant
Mount Vernon School District
124 E. Lawrence Street
Mount Vernon, WA 98273

RE: Timber Cruise- Lot 3 P-27512 and Tract "X"

Dear Ms. Holmberg,

At your request, the Roots Forestry Team has recently completed a timber cruise estimate of Lot 3 and Tract X in NE ¼ of Section 22, Township 34N Range 4E. Attached you will find cruise reports, cruise map, and estimated costs with estimated net timber value. Based on the information shown on the survey/plat map, acreage deductions were made for wetlands. Road cost estimates are based on average low gradient graveled road approximately 1200' in length.

The resulting net harvest acres are estimated at 10.1 acres (Lot 3) and .75 acres (Tract X). Net acreage is based on wetland buffers shown on the provided plat map.

The cruise for Lot 3 was estimated based on data derived from a cruise of Lot 2 to the south. Adjustments were made based on conceptual differences. A full cruise of Lot 3 is not necessary based on the time constraints and future use of the data (SEPA estimates). Lot 2 cruise was conducted using a relaskop with a 40 basal area factor. 10 sample plots were taken on a square grid of 100 feet. No plots were taken in wetlands. Tract X was cruised using a strip cruise sampling method with 6 strips 33 feet in width spaced about 66 feet apart. For every plot or strip, tree DBH was measured at 4' above ground and bole height was taken at the top of the highest merchantable log. Trees were segmented into appropriate log lengths based on a preferential matrix for 40 foot logs and taking into account location of defect within each tree cruised- resulting in a net based cruise. Log lengths were assigned based on minimum scaling diameter of 5 inches for red cedar, Douglas fir and western hemlock, and minimum scaling diameter of 8 inches for bigleaf maple, red alder, birch, and black cottonwood. Logs were then sorted and graded to meet specifications for local mills. The timber type on the property is primarily red alder and other hardwoods with a significant red cedar component. The stand is estimated to be about 55 years of age.

Expenses for harvesting timber would include permitting, layout and road construction costs as well as typical logging and haul costs. The estimated $19,000 for road construction includes clearing, grubbing of stumps, purchase and haul of rock from commercial source, and equipment mobilization costs. WA state excise tax is 5%- payable to the WA State DOR.

16102 4th Ave NW, Arlington WA 98223 * Travis Miranda- 360-631-7606

Permitting fee for a conversion harvest application is $1500 with the DNR. Layout costs can vary, but are estimated to be about $2,500. Log and haul costs would be based on a ground based logging system (estimated $127.05/MBF) and log haul to respective destinations is estimated based on average trips per day and mbf per truckload- see Harvest Costs (attached) for additional figures.

If you have any questions, please do not hesitate to contact us. If you have any further needs, we would be glad to assist you and look forward to serving you again.

Sincerely,

Travis Miranda
Principal
Roots Forestry Consulting, LLC

201310140058
Skagit County Auditor
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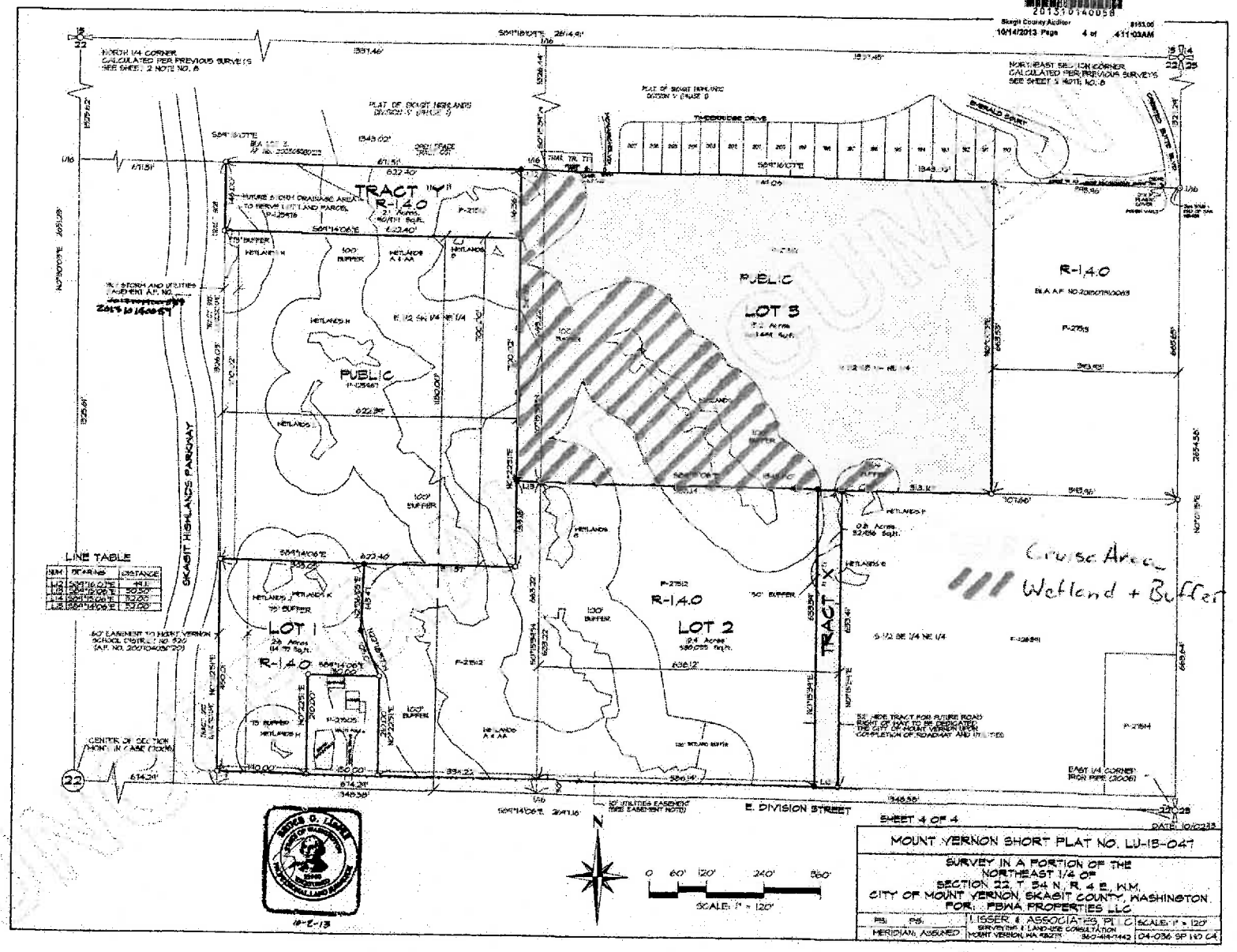

MTVERNONSD | **TRACT X** | **.75 Acres**

LOT 3 | **15.2 (10.1 Net Acres)**

Harvest Costs

		Total $		$/MBF
Road	$	19,000.00	$	64.27
Permit	$	1,500.00	$	5.07
Layout	$	2,500.00	$	8.46
Haul	$	28,310.81	$	95.77
Logging	$	19,267.80	$	65.18
Planting			$	-
Excise Tax	$	11,344.93	$	38.38
Total Costs:	**$**	**81,923.54**	**$**	**277.13**
Net Value:	**$**	**144,975.03**		

Expected Gross Revenue

Specie	MBF	Avg$/MBF	Total $
RA	100.2	$ 557.00	$ 55,799.37
RC	96.4	$ 1,400.00	$ 134,969.24
BM	48.8	$ 371.00	$ 18,110.03
CH	47.2	$ 350.00	$ 16,534.84
W	1.7	$ 444.00	$ 745.92
DF	1.3	$ 573.00	$ 739.17
Totals:	295.6		**$ 226,898.57**

Haul Cost Estimates

Dest	Miles	$/MBF	
NW Hardwoods	10	$ 56.25	$ 5,635.04
ALTA	150	$ 177.78	$ 17,138.95
NW Hardwoods	10	$ 56.25	$ 2,745.79
NW Hardwoods	10	$ 56.25	$ 2,657.39
Sierra Pacific	9	$ 45.00	$ 75.60
Sierra Pacific	9	$ 45.00	$ 58.05
Total:			**$ 28,310.81**

*Timber was cruised on a net basis

*Sitka Spruce is included in the white wood sort.

*Cottonwood was not included in these figures due to lack of markets and value of the product is often considered a negative asset

TC PSPCSTGR
MT_VERNON_SD

Species, Sort Grade - Board Foot Volumes (Project)

T035 R005 S12 TyCONT 8.00

Project: CRU

Acres 8.00

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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. 4-5	6-11	12-16	17+	Log Length 12-20	21-30	31-35	36-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
RA		RA	6	3.0	566	549	4		16		84	84	16			25	13	160	1.47	3.4
RA		RA 2M	43		3,941	3,941	32			66	34		100			28	15	251	1.58	15.7
RA		RA 3M	51		4,595	4,595	37	4	50	45		13	87			27	9	82	0.78	55.9
RA	**Totals**		33	.2	9,101	9,084	73	2	26	52	20	12	88			27	10	121	0.98	75.1
RC		C 2M	18		1,674	1,674	13				100		65		35	30	21	558	4.46	3.0
RC		C 3M	80		7,143	7,143	57	5	62	30	4	1	30		70	31	7	69	0.93	103.4
RC		C 4M	2		149	149	1	100					100			30	5	30	0.68	5.0
RC	**Totals**		33		8,966	8,966	72	5	49	24	22	1	37		62	31	7	81	1.01	111.4
CH		C 3M	12		554	554	4		100			19	81			23	9	80	0.78	6.9
CH		H 2M	24		1,014	1,014	8			100		39	61			24	15	208	1.51	4.9
CH		H 3M	60		2,578	2,578	21		61	39		47	53			24	9	77	0.84	33.3
CH		H UT	4		161	161	1		100			100				18	8	30	0.79	5.4
CH	**Totals**		16		4,306	4,306	34		53	47		43	57			23	10	85	0.89	50.4
BM		PU															11		0.00	6.7
BM		H 2M	49		2,205	2,205	18			50	50	39	61			24	16	254	1.90	8.7
BM		H 3M	49		2,184	2,184	17		53	47		16	84			26	9	86	0.84	25.5
BM		H 4M	2		51	51	0		100			100				20	7	30	0.53	1.7
BM	**Totals**		16		4,441	4,441	36		27	48	25	28	72			21	11	104	1.08	42.6
CW		H 2M	95		736	736	6				100				100	40	25	1150	4.86	.6
CW		H 3M	5		38	38	0		100						100	40	6	60	1.80	.6
CW	**Totals**		3		775	775	6		5		95				100	40	16	605	3.33	1.3
Totals				0.1	27,588	27,571	221	2	37	40	20	15	62		23	27	9	98	1.01	280.8

TC PLOGSTVB
MT_VERNON_SD

Log Stock Table - MBF

T035 R005 S12 TyCONT .75

Project: CRU
Acres 0.00

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Spp	ST	So Grt	Gr de	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
RC		CW	2M	30	1		1	24.1								1				
RC		CW	2M	40	1		1	31.7								1				
RC		CW	3M	18	0		0	2.8		0										
RC		CW	3M	24	0		0	2.1			0									
RC		CW	3M	30	0		0	4.1		0										
RC		CW	3M	36	0		0	9.7					0							
RC		CW	3M	40	1		1	25.5			0		1							
RC		Totals			4		4	19.2		0	0		1			2				
RA		RA	2M	16	1		1	8.7						1						
RA		RA	2M	20	0		0	3.5					0							
RA		RA	2M	30	3		3	39.0				0		1		1				
RA		RA	3M	16	0		0	5.6			0	0	0							
RA		RA	3M	20	1		1	15.2		0	0	0	0							
RA		RA	3M	22	0		0	2.2				0								
RA		RA	3M	26	0		0	5.6						0						
RA		RA	3M	30	1		1	15.6			0	0		0						
RA		RA	4M	20	0		0	.9		0										
RA		RA	4M	22	0		0	.9		0										
RA		RA	1P	30	0		0	3.0				0								
RA		Totals			7		7	30.5		0	0	1	1	3		1				
CH		HW	2M	16	0		0	50.0								0				
CH		HW	3M	16	0		0	6.3			0									
CH		HW	3M	20	0		0	28.1			0	0								
CH		HW	3M	30	0		0	15.6			0									
CH		Totals			1		1	4.2			0	0				0				
DF		DO	2M	40	1		1	67.4							1					
DF		DO	3M	20	0		0	4.7		0										
DF		DO	3M	40	0		0	27.9				0								
DF		Totals			1		1	5.7		0		0			1					
WH		WH	2M	40	1		1	54.5					1							
WH		WH	3M	20	0		0	27.3				0								
WH		WH	3M	24	0		0	9.1		0										
WH		WH	3M	32	0		0	9.1		0										

TC PLOGSTVB
MT_VERNON_SD

Log Stock Table - MBF

T035 R005 S12 TyCONT .75

Project: CRU
Acres 0.00

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Date 9/23/2016
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Spp	ST	So Grt	Gr de	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
WH		Totals			1		1	4.4		0		0	1							
CW		HW	2M	40	5		5	98.2								1		4		
CW		HW	3M	20	0		0	1.8			0									
CW		Totals			5		5	22.2			0					1		4		
SS		WH	2M	40	1		1	87.0						1						
SS		WH	4M	29	0		0	13.0		0										
SS		Totals			1		1	3.0		0				1						
BM		HW	2M	16	2		2	67.1										2		
BM		HW	2M	24	0		0	18.3						0						
BM		HW	3M	20	0		0	14.6				0	0							
BM		Totals			2		2	10.8				0	0	0				2		
Total		All Species			23		23	100.0		1	1	2	3	4	1	5		5		

TC PSTATS
MT VERNON SD

PROJECT STATISTICS

PROJECT CRU

DATE 9/22/2016

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
035	005	12	LOT2	CONT	8.00	10	58	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	10	58	5.8		
CRUISE	10	58	5.8	1,578	3.7
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
WR CEDAR	25	95.1	17.1	39	36.8	152.4	8,966	8,966	3,488	3,488
R ALDER	14	40.6	17.3	52	16.0	66.5	9,101	9,084	2,009	2,009
CHERRY	10	36.7	16.0	37	12.8	51.3	4,306	4,306	1,054	1,054
BL MAPLE	8	24.1	17.1	47	9.3	38.3	4,441	4,441	976	976
COTWOOD	1	.6	36.0	82	0.8	4.5	775	775	171	171
TOTAL	*58*	*197.2*	*17.1*	*42*	*75.8*	*313.1*	*27,588*	*27,571*	*7,697*	*7,698*

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
WR CEDAR	180.1	36.7	129	204	279			
R ALDER	71.9	19.9	225	281	337			
CHERRY	97.7	32.5	102	151	200			
BL MAPLE	81.2	30.6	184	265	346			
COTWOOD								
TOTAL	*128.4*	*16.8*	*199*	*239*	*280*	*658*	*165*	*73*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	SAMPLE TREES - CF LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
WR CEDAR	130.5	26.6	49	66	84			
R ALDER	54.4	15.1	51	60	69			
CHERRY	65.4	21.8	28	36	44			
BL MAPLE	65.6	24.7	44	59	73			
COTWOOD								
TOTAL	*108.8*	*14.3*	*53*	*62*	*71*	*472*	*118*	*52*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	TREES/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
WR CEDAR	99.8	33.2	64	95	127			
R ALDER	86.3	28.7	29	41	52			
CHERRY	135.0	44.9	20	37	53			
BL MAPLE	178.5	59.4	10	24	38			
COTWOOD	316.2	105.2		1	1			
TOTAL	*52.8*	*17.6*	*163*	*197*	*232*	*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
WR CEDAR	84.9	28.2	109	152	195			
R ALDER	88.5	29.4	47	67	86			
CHERRY	109.3	36.4	33	51	70			
BL MAPLE	154.9	51.5	19	38	58			
COTWOOD	316.2	105.2		5	9			
TOTAL	*44.3*	*14.8*	*267*	*313*	*359*	*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

PROJECT STATISTICS

PROJECT CRU

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
035	005	12	LOT2	CONT	8.00	10	58	S	W

WR CEDAR	116.3	38.7	5,496	8,966	12,435
R ALDER	97.2	32.3	6,147	9,084	12,022
CHERRY	113.3	37.7	2,682	4,306	5,929
BL MAPLE	198.1	65.9	1,513	4,441	7,368
COTWOOD	316.2	105.2		775	1,590
TOTAL	*51.5*	*17.1*	*22,845*	*27,571*	*32,297*

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
WR CEDAR	95.7	31.8	2,377	3,488	4,598			
R ALDER	95.4	31.7	1,371	2,009	2,647			
CHERRY	108.4	36.1	674	1,054	1,435			
BL MAPLE	175.2	58.3	407	976	1,545			
COTWOOD	316.2	105.2		171	350			
TOTAL	*51.9*	*17.3*	*6,367*	*7,698*	*9,028*	*119*	*30*	*13*

TC PSTATS
MT VERNON SD

PROJECT STATISTICS

PROJECT CRU

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TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
035	005	12	X1	CONT	0.75	6	34	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	6	34	5.7		
CRUISE	6	34	5.7	102	33.3
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
R ALDER	12	48.0	15.4	62	15.9	62.5	9,240	9,240	2,005	2,005
WR CEDAR	8	32.0	17.1	50	12.4	51.3	5,800	5,800	1,682	1,682
BL MAPLE	3	12.0	23.7	29	7.6	36.9	3,280	3,280	700	700
COTWOOD	1	4.0	34.0	103	4.3	25.2	6,720	6,720	1,215	1,215
CHERRY	5	20.0	13.9	26	5.6	21.1	1,280	1,280	341	341
WHEMLOCK	3	12.0	14.1	47	3.5	13.0	1,320	1,320	331	331
DOUG FIR	1	4.0	20.0	103	2.0	8.7	1,720	1,720	387	387
S SPRUCE	1	4.0	19.0	72	1.8	7.9	920	920	274	274
TOTAL	*34*	*136.0*	*17.5*	*53*	*54.2*	*226.5*	*30,280*	*30,280*	*6,935*	*6,935*

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	42.3	12.7	168	193	217			
WR CEDAR	121.8	45.9	98	181	264			
BL MAPLE	135.4	93.7	17	273	529			
COTWOOD								
CHERRY	120.3	59.8	26	64	102			
WHEMLOCK	89.5	61.9	42	110	178			
DOUG FIR								
S SPRUCE								
TOTAL	*137.5*	*23.6*	*170*	*223*	*275*	*755*	*189*	*84*

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	41.8	12.6	37	42	47			
WR CEDAR	114.8	43.3	30	53	75			
BL MAPLE	110.7	76.6	14	58	103			
COTWOOD								
CHERRY	93.9	46.7	9	17	25			
WHEMLOCK	63.7	44.0	15	28	40			
DOUG FIR								
S SPRUCE								
TOTAL	*115.1*	*19.7*	*41*	*51*	*61*	*529*	*132*	*59*

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	104.9	46.7	26	48	70			
WR CEDAR	112.9	50.3	16	32	48			
BL MAPLE	244.9	109.1		12	25			
COTWOOD	244.9	109.1		4	8			
CHERRY	244.9	109.1		20	42			
WHEMLOCK	244.9	109.1		12	25			
DOUG FIR	244.9	109.1		4	8			
S SPRUCE	244.9	109.1		4	8			

TC PSTATS

MT VERNON SD

PROJECT STATISTICS

PROJECT CRU

DATE 9/23/2016

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
035	005	12	X1	CONT	0.75	6	34	S	W

CL 68.1 SD: 1.00	COEFF VAR.	S.E.%	TREES/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
TOTAL	*42.7*	*19.0*	*110*	*136*	*162*	*87*	*22*	*10*

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	100.9	44.9	34	62	91			
WR CEDAR	122.4	54.5	23	51	79			
BL MAPLE	244.9	109.1		37	77			
COTWOOD	244.9	109.1		25	53			
CHERRY	244.9	109.1		21	44			
WHEMLOCK	244.9	109.1		13	27			
DOUG FIR	244.9	109.1		9	18			
S SPRUCE	244.9	109.1		8	16			
TOTAL	*31.3*	*13.9*	*195*	*227*	*258*	*46*	*12*	*5*

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	103.8	46.2	4,969	9,240	13,511			
WR CEDAR	130.5	58.1	2,430	5,800	9,170			
BL MAPLE	244.9	109.1		3,280	6,857			
COTWOOD	244.9	109.1		6,720	14,049			
CHERRY	244.9	109.1		1,280	2,676			
WHEMLOCK	244.9	109.1		1,320	2,760			
DOUG FIR	244.9	109.1		1,720	3,596			
S SPRUCE	244.9	109.1		920	1,923			
TOTAL	*56.4*	*25.1*	*22,679*	*30,280*	*37,881*	*151*	*38*	*17*

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
R ALDER	102.6	45.7	1,089	2,005	2,921			
WR CEDAR	130.0	57.9	708	1,682	2,655			
BL MAPLE	244.9	109.1		700	1,464			
COTWOOD	244.9	109.1		1,215	2,540			
CHERRY	244.9	109.1		341	712			
WHEMLOCK	244.9	109.1		331	692			
DOUG FIR	244.9	109.1		387	809			
S SPRUCE	244.9	109.1		274	572			
TOTAL	*45.0*	*20.0*	*5,547*	*6,935*	*8,323*	*96*	*24*	*11*

TC PSTNDSUM
MT_VERNON_SD

Stand Table Summary

Page 1
Date: 9/22/2016

T035 R005 S12 TyCONT 8.00

Project CRU
Acres 8.00

Time: 11:59:14PM
Grown Year:

Spc	S T	DBH	Sample Trees	FF 16'	Tot Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
RA		13	1	85	50	6.006	5.54	6.01	12.7	40.0	2.10	76	240	17	6	2
RA		14	1	93	85	4.326	4.62	8.65	16.1	70.0	3.83	139	606	31	11	5
RA		16	4	90	73	13.931	19.45	24.16	20.7	82.6	13.73	499	1,995	110	40	16
RA		18	1	92	95	2.617	4.62	5.23	30.5	135.0	4.39	160	707	35	13	6
RA		19	1	92	85	2.349	4.62	4.70	30.3	120.0	3.92	142	564	31	11	5
RA		20	1	93	85	2.120	4.62	4.24	35.2	160.0	4.10	149	678	33	12	5
RA		21	3	92	86	5.813	13.98	13.51	38.5	197.3	14.29	519	2,665	114	42	21
RA		22	2	94	103	3.430	9.05	8.57	37.7	190.0	8.89	324	1,629	71	26	13
RA		Totals	14	91	78	40.592	66.52	75.07	26.8	121.0	55.24	2,009	9,084	442	161	73
RC		12	1	80	55	7.762	6.10	7.76	11.8	30.0	2.15	91	233	17	7	2
RC		13	3	80	50	19.843	18.29	19.84	13.4	30.0	6.26	266	595	50	21	5
RC		14	3	81	56	17.109	18.29	17.11	19.0	43.3	7.63	325	741	61	26	6
RC		15	1	80	60	4.968	6.10	4.97	20.5	30.0	2.39	102	149	19	8	1
RC		16	3	80	69	13.099	18.29	17.47	25.1	65.0	10.31	439	1,135	83	35	9
RC		17	1	80	60	3.868	6.10	3.87	31.9	60.0	2.90	123	232	23	10	2
RC		18	1	81	65	3.450	6.10	3.45	40.7	70.0	3.30	140	241	26	11	2
RC		19	3	80	73	9.289	18.29	12.39	37.3	75.0	10.86	462	929	87	37	7
RC		20	2	80	78	5.589	12.19	8.38	35.1	86.7	6.91	294	727	55	24	6
RC		22	1	81	65	2.309	6.10	2.31	58.1	70.0	3.16	134	162	25	11	1
RC		24	1	80	108	1.941	6.10	3.88	60.6	210.0	5.53	235	815	44	19	7
RC		26	1	80	105	1.654	6.10	3.31	69.0	220.0	5.37	228	728	43	18	6
RC		28	1	81	86	1.426	6.10	2.85	55.1	195.0	3.69	157	556	30	13	4
RC		30	1	80	100	1.242	6.10	1.24	89.7	210.0	2.62	111	261	21	9	2
RC		32	1	81	95	1.092	6.10	1.09	154.1	530.0	3.95	168	579	32	13	5
RC		48	1	80	105	.485	6.10	1.46	144.5	606.7	4.94	210	883	40	17	7
RC		Totals	25	80	64	95.125	152.42	111.37	31.3	80.5	81.96	3,488	8,966	656	279	72
BM		12	1	86	55	6.729	5.28									
BM		14	1	90	70	4.518	4.83	9.04	14.6	70.0	3.49	132	633	28	11	5
BM		16	1	87	60	3.699	5.17	3.70	25.0	70.0	2.45	93	259	20	7	2
BM		18	1	94	105	2.562	4.53	7.69	26.9	140.0	5.49	207	1,076	44	17	9
BM		20	1	90	75	2.214	4.83	4.43	29.1	115.0	3.42	129	509	27	10	4
BM		22	1	94	105	1.715	4.53	6.86	27.4	157.5	4.99	188	1,080	40	15	9
BM		24	1	93	85	1.472	4.62	2.94	50.2	225.0	3.91	148	662	31	12	5
BM		26	1	94	105	1.228	4.53	1.23	65.0	180.0	2.11	80	221	17	6	2
BM		Totals	8	90	74	24.137	38.32	35.88	27.2	123.8	25.86	976	4,441	207	78	36
CH		12	1	85	50	7.049	5.54	7.05	10.1	40.0	1.78	71	282	14	6	2
CH		15	3	83	51	13.873	17.02	13.87	17.3	54.5	6.01	240	756	48	19	6
CH		16	2	91	81	6.772	9.46	13.54	20.1	87.3	6.81	272	1,183	54	22	9
CH		18	1	90	65	2.794	4.94	5.59	19.9	85.0	2.78	111	475	22	9	4
CH		20	2	90	78	4.497	9.81	8.65	32.4	160.4	7.01	280	1,387	56	22	11
CH		22	1	94	105	1.715	4.53	1.71	46.0	130.0	1.97	79	223	16	6	2
CH		Totals	10	87	63	36.700	51.29	50.42	20.9	85.4	26.36	1,054	4,306	211	84	34
CW		36	1	94	105	.640	4.53	1.28	133.2	605.0	4.18	171	775	33	14	6
CW		Totals	1	94	105	.640	4.53	1.28	133.2	605.0	4.18	171	775	33	14	6
Totals			58	85	68	197.195	313.07	274.03	28.1	100.6	193.60	7,698	27,571	1,549	616	221

TC PSTNDSUM
MT_VERNON_SD

Stand Table Summary

Page 1
Date: 9/23/2016

T035 R005 S12 TyCONT .75

Project CRU
Acres 0.75

Time: 1:06:05AM
Grown Year:

Spc	S T	DBH	Sample Trees	FF 16'	Tot Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
RA		12	1	94	96	4.000	3.14	8.00	12.2	55.0	2.69	98	440	2	1	0
RA		13	2	92	81	8.000	7.37	20.00	10.7	48.0	5.88	214	960	4	2	1
RA		14	1	92	80	4.000	4.28	8.00	13.0	60.0	2.85	104	480	2	1	0
RA		15	4	93	92	16.000	19.63	48.00	14.4	69.2	18.97	690	3,320	14	5	2
RA		16	2	92	80	8.000	11.17	16.00	21.2	95.0	9.34	340	1,520	7	3	1
RA		17	1	93	95	4.000	6.30	8.00	25.8	110.0	5.67	206	880	4	2	1
RA		22	1	93	85	4.000	10.56	8.00	44.3	205.0	9.75	354	1,640	7	3	1
RA		Totals	12	93	87	48.000	62.46	116.00	17.3	79.7	55.14	2,005	9,240	41	15	7
CW		34	1	95	125	4.000	25.22	12.00	101.2	560.0	29.77	1,215	6,720	22	9	5
CW		Totals	1	95	125	4.000	25.22	12.00	101.2	560.0	29.77	1,215	6,720	22	9	5
RC		5	1	81	50	4.000	.55									
RC		6	1	81	50	4.000	.79	4.00								
RC		11	1	81	60	4.000	2.64	4.00	11.9	30.0	1.12	48	120	1	0	0
RC		12	1	81	50	4.000	3.14	4.00	11.8	30.0	1.11	47	120	1	0	0
RC		16	1	81	95	4.000	5.59	8.00	26.3	90.0	4.95	211	720	4	2	1
RC		19	1	81	85	4.000	7.88	8.00	30.3	85.0	5.70	243	680	4	2	1
RC		25	1	81	100	4.000	13.64	12.00	41.1	170.0	11.59	493	2,040	9	4	2
RC		28	1	81	105	4.000	17.10	8.00	80.1	265.0	15.05	641	2,120	11	5	2
RC		Totals	8	81	74	32.000	51.31	48.00	35.0	120.8	39.52	1,682	5,800	30	13	4
BM		15	1	93	85	4.000	4.91	4.00	14.2	40.0	1.50	57	160	1	0	0
BM		21	1	94	96	4.000	9.62	4.00	28.4	80.0	3.01	114	320	2	1	0
BM		32	1	90	68	4.000	22.34	8.00	66.3	350.0	14.05	530	2,800	11	4	2
BM		Totals	3	92	83	12.000	36.87	16.00	43.8	205.0	18.56	700	3,280	14	5	2
DF		20	1	90	130	4.000	8.73	12.00	32.3	143.3	11.03	387	1,720	8	3	1
DF		Totals	1	90	130	4.000	8.73	12.00	32.3	143.3	11.03	387	1,720	8	3	1
WH		12	1	90	70	4.000	3.14	8.00	9.0	40.0	2.30	72	320	2	1	0
WH		14	1	89	60	4.000	4.28	4.00	16.9	30.0	2.17	68	120	2	1	0
WH		16	1	92	85	4.000	5.59	8.00	23.9	110.0	6.12	191	880	5	1	1
WH		Totals	3	90	72	12.000	13.00	20.00	16.5	66.0	10.59	331	1,320	8	2	1
CH		9	1	79	42	4.000	1.77	4.00	5.1	20.0	.51	20	80	0	0	0
CH		12	2	86	53	8.000	6.28	8.00	8.9	25.0	1.78	71	200	1	1	0
CH		14	1	87	56	4.000	4.28	4.00	17.8	50.0	1.78	71	200	1	1	0
CH		20	1	89	62	4.000	8.73	8.00	22.2	100.0	4.44	178	800	3	1	1
CH		Totals	5	85	53	20.000	21.05	24.00	14.2	53.3	8.52	341	1,280	6	3	1
SS		19	1	88	95	4.000	7.88	8.00	34.2	115.0	7.12	274	920	5	2	1
SS		Totals	1	88	95	4.000	7.88	8.00	34.2	115.0	7.12	274	920	5	2	1
Totals			34	88	80	136.000	226.52	256.00	27.1	118.3	180.25	6,935	30,280	135	52	23