

The New and Improved SuperACE

& What to Look for in a Timber
Cruise/Inventory Program

A TTERBURY CONSULTANTS, INC.

"Professional State-of-the-Art Forestry"

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CV

Paul Wagner – ACI Instructor

University of Washington: BA, Forest Management, 1980; MBA ,1988.

Project Manager, employed by Atterbury Consultants Inc. since May 1989.

Employment with Washington Department of Natural Resources, Davey Tree Surgery and the US Forest Service.

30 years experience cruising timber

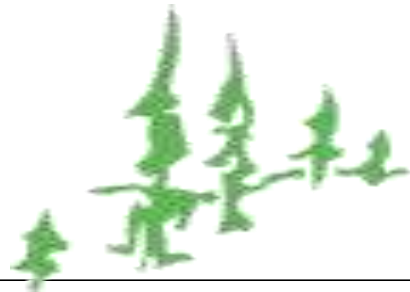
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Darrington, WA 98241

206-499-0080

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Atterbury Consultants, Inc.

3800 SW Cedar Hills Blvd., Suite 145
Beaverton, OR 97005

atterbury.com

- Started by Toby Atterbury in 1985
- Offices in Beaverton, OR. and Darrington, WA.
- Services
 - Timber Cruising, Forest Inventory, GIS
 - Appraisals, Timber Valuations
 - Wood Supply Studies, Harvest Levels
 - Seminars
 - Software
 - Forestry Equipment

**What makes for a good
cruise program?**

Built for the User

- Field friendly
- Tree measurements easily taken
- Flexible
- User adaptable tables (species, sorts, etc)
- Good, adaptable reports
- Easy edit functions
- Connects with GIS for acres

Field Friendly

- Logical layout, like a cruise card
- Measurement at a distance function
- Log volume & value checks to help cruiser optimize

Tree Measurements Easily Taken

- Outside bark
- Ratios (percentages) are easily measured
- Measurements fit the tree so that equations can reasonably calculate scaling diameter at any point
- Measure actual tree with merch logs in it (deal with forks, broken tops)

Flexible

- Timber stands are variable and different sampling systems may be used
 - Variable plot
 - Fixed plot: circular or **rectangular** *(new)*
 - Strip cruise
- Sampling systems may be combined (nested plots)
- Cruise plots are calculated individually
- Use different **Sight & Form** points *(new)*

User Adaptable Tables

not a black box

- Species codes numeric or alpha, can be set to user's preference.
- Minimum and maximum settings for logs.
- Weights, scaling rule, cubic rule can be set.
- Additional information about a tree can be collected if desired; position, crown, damage, etc.

Good Reports

- Parameters of reports can be set by user
- Board feet, cubic feet & tons in reports
- Graphics displays of some information
- Valuation using measured logs in cruise
- Pole report & ability to judge value vs logs
- Transportation costs

Easy Edit Functions

- Edit function is live linked to data
- Volume, scaling diameter and *log value* are visible (*new*)
- Can see if a log meets Table parameters assigned for sort, grade, length & diameter
- Allows cruiser to make value judgments on logs

Connects With GIS

- GIS calculated net timber acres can be directly transferred to timber types

SuperACE Cruise Program

- A “tree list” PC computer program using taper functions and log rules as used in the industry.
- First used by Crown Zellerbach for mainframe computers in 1964.
- ACI developed as a PC program in 1986.
- Several sampling systems to fit each stand.
- User control of tables and inputs such as species codes, weight, bark, etc.
- Variety of tree measurements to fit each tree accurately.
- Variable log lengths
- sorts, and grade by log
- Log scaling deductions by log.
- Data entry on handheld.
- Link to GIS for acres.
- Many reports

SuperACE 2017

- **A**ccurate
- **C**ruise
- **E**xtension

Designed by Toby Atterbury
Programmed by Howard Parks
Tested by Patience

Opening Screen

SuperACE 2017 V1-Test																												
File Project Stands Ownership Reports Tables Defaults Help Skins																												
First Prev Next Last Print Save Column Chooser Filter Select All Attached Files Additional Tree Measurements																												
Home Stand Master Plot Location Tree Input Tree Edit Stand Input																												
	Cty	Tract	St	Stand #	Twn	Rge	Sec	Net Acres	Src	Hrv	Exam Date	Plots	Land Class	Grown Date	Maj Age	SI	Maj Spc	Trees Per Ac	BA Per Ac	QM Dbh	Tons Per Ac	Net Ccf Per Ac	Net Mbf Per Ac	Total Net Ccf	Total Net Mbf			
Tract: UNIT 1																												
<input type="checkbox"/>	WA	UNIT 1	OR	0002	01S	01W	24	101.36	TC		3/1/2004	57	TIM	3/1/2004	57	122	DF	121.41	155.08	15.3	168	58.96	26.286	5,976	2,664			
<input type="checkbox"/>	WA	UNIT 1	OR	0003	01S	01W	24	85.92	TC		3/1/2004	70	TIM	3/1/2004	65	119	DF	95.13	93.24	13.4	77	27.06	10.346	2,325	889			
<input checked="" type="checkbox"/>	WA	UNIT 1	OR	0004	01S	01W	24	30.26	TC		3/1/2004	17	TIM	3/1/2004	60	108	DF	67.46	180.30	22.1	255	89.53	43.941	2,709	1,330			
<input type="checkbox"/>	WA	UNIT 1	OR	0005	01S	01W	24	24.72	TC		3/1/2004	13	TIM	3/1/2004	75	98	DF	87.28	114.08	15.5	114	40.00	18.601	989	460			
<input type="checkbox"/>	WA	UNIT 1	OR	0006	01S	01W	24	51.59	TC		3/1/2004	52	TIM	3/1/2004	3	92	BM	549.55	0.10	.2		0.00	0.000					
<input type="checkbox"/>	WA	UNIT 1	OR	0013	01S	01W	24	112.75	TC		3/1/2004	56	TIM	3/1/2004	42	110	GF	59.85	137.90	20.6	91	41.34	17.874	4,661	2,015			
<input type="checkbox"/>	WA	UNIT 1	OR	RMZ	01S	01W	24	12.31	TC		3/1/2004	4	TIM	3/1/2004	60	105	DF	34.57	67.59	18.9	67	23.55	10.965	290	135			
								418.91				269				49	112			143.72	115.52			108	0.67	0.306	16,950	7,493
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<input type="checkbox"/>	WA	UNIT 2	OR	0006	01S	01W	25	6.32	TC		3/1/2004	22	TIM	3/1/2004	120	115	DF	32.00	58.57	18.3	62	21.81	9.145	138	58			
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								170.25				123				46	99			107.95	145.01			144	1.73	0.723	8,717	3,679
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<input type="checkbox"/>	WA	UNIT 3	OR	0024	01S	01W	26	45.82	TC		3/1/2004	25	TIM	3/1/2004	50	108	DF	169.57	207.33	15.0	205	72.09	29.997	3,303	1,374			
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<input type="checkbox"/>	WA	UNIT 3	OR	0032	01S	01W	26	5.52	TC		3/1/2004	5	TIM	3/1/2004	45	127	GF	153.00	136.63	12.8	70	31.93	10.818	176	60			
								162.36				87				51	110			156.12	193.33			203	2.27	0.899	11,151	4,613

COLUMN CHOOSER – customize view

SuperACE 2017 V1-Test

File Project Stands Ownership Reports Tables Defaults Help Skins

First Prev Next Last Print Save **Column Chooser** Filter Select All Attached Files Additional Tree Measurements

Home Stand Master Plot Location Tree Input Tree Edit Stand Input

	Cty	Tract	St	Stand #	Twn	Rge	Sec	Net Acres	Src	Hrv	Exam Date	Plots	Land Class	Grown Date	Maj Age	SI	Maj Spc	Trees Per Ac	BA Per Ac	QM Dbh	Tons Per Ac	Net Ccf Per Ac	Net Mbf Per Ac	Total Net Ccf	Total Net Mbf		
Tract: UNIT 1																											
<input type="checkbox"/>	WA	UNIT 1	OR	0002	01S	01W	24	101.36	TC		3/1/2004	57	TIM	3/1/2004	57	122	DF	121.41	155.08	15.3	168	58.96	26.286	5,976	2,664		
<input type="checkbox"/>	WA	UNIT 1	OR	0003	01S	01W	24	85.92	TC		3/1/2004	70	TIM	3/1/2004	65	119	DF	95.13	93.24	13.4	77	27.06	10.346	2,325	889		
<input type="checkbox"/>	WA	UNIT 1	OR	0004	01S	01W	24	30.26	TC		3/1/2004	17	TIM	3/1/2004	60	108	DF	67.46	180.30	22.1	255	89.53	43.941	2,709	1,330		
<input type="checkbox"/>	WA	UNIT 1	OR	0005	01S	01W	24	24.72	TC		3/1/2004	13	TIM	3/1/2004	75	98	DF	87.28	114.08	15.5	114	40.00	18.601	989	460		
<input type="checkbox"/>	WA	UNIT 1	OR	0006	01S	01W	24	51.59	TC		3/1/2004	52	TIM	3/1/2004	3												
<input type="checkbox"/>	WA	UNIT 1	OR	0013	01S	01W	24	112.75	TC		3/1/2004	56	TIM	3/1/2004	42	1								61	2,015		
<input type="checkbox"/>	WA	UNIT 1	OR	RMZ	01S	01W	24	12.31	TC		3/1/2004	4	TIM	3/1/2004	60	1								90	135		
								418.91					269					49					1				
Tract: UNIT 2																											
<input type="checkbox"/>	WA	UNIT 2	OR	0006	01S	01W	25	6.32	TC		3/1/2004	22	TIM	3/1/2004	120	1											
<input type="checkbox"/>	WA	UNIT 2	OR	0007	01S	01W	25	62.50	TC		3/1/2004	30	TIM	3/1/2004	36												
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<input type="checkbox"/>	WA	UNIT 2	OR	0010	01S	01W	25	7.08	TC		3/1/2004	3	TIM	3/1/2004	53	1											
<input type="checkbox"/>	WA	UNIT 2	OR	0011	01S	01W	25	15.12	TC		3/1/2004	7	TIM	3/1/2004	49												
<input type="checkbox"/>	WA	UNIT 2	OR	0012	01S	01W	25	10.45	TC		3/1/2004	7	TIM	3/1/2004	45	1											
								170.25					123					46					1				
Tract: UNIT 3																											
<input type="checkbox"/>	WA	UNIT 3	OR	0016	01S	01W	26	11.72	TC		3/1/2004	6	TIM	3/1/2004	55	1											
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Column Chooser

Save Cancel

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<input type="checkbox"/> Exam Date	<input checked="" type="checkbox"/>
<input type="checkbox"/> Grow Date	<input checked="" type="checkbox"/>
<input type="checkbox"/> Site Index	<input checked="" type="checkbox"/>
<input type="checkbox"/> Major Species	<input checked="" type="checkbox"/>
<input type="checkbox"/> Trees /Acre	<input checked="" type="checkbox"/>
<input type="checkbox"/> BA /Acre	<input checked="" type="checkbox"/>
<input type="checkbox"/> QM Dbh	<input checked="" type="checkbox"/>
<input type="checkbox"/> Tons /Acre	<input checked="" type="checkbox"/>
<input type="checkbox"/> Net CCF /Acre	<input checked="" type="checkbox"/>
<input type="checkbox"/> Net MBF /Acre	<input checked="" type="checkbox"/>
<input type="checkbox"/> Total Net CCF	<input checked="" type="checkbox"/>
<input type="checkbox"/> Total Net MBF	<input checked="" type="checkbox"/>
<input type="checkbox"/> St	<input checked="" type="checkbox"/>
<input type="checkbox"/> Cnty	<input checked="" type="checkbox"/>
<input type="checkbox"/> Land Class	<input checked="" type="checkbox"/>
<input type="checkbox"/> Hrv	<input checked="" type="checkbox"/>
<input type="checkbox"/> Src	<input checked="" type="checkbox"/>
<input type="checkbox"/> P&D	<input checked="" type="checkbox"/>

FILTER

 Stands by Attributes

SuperACE 2017 V1-Test																																	
File Project Stands Ownership Reports Tables Defaults Help Skins																																	
First Prev Next Last Print Save Column Chooser Filter Select All Attached Files Additional Tree Measurements																																	
Home Stand Master Plot Location Tree Input Tree Edit Stand Input																																	
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Tract: UNIT 1																																	
<input type="checkbox"/>	WA	UNIT 1	0002	OR	01S	01W	TC	24		101.36	3/1/2004	57	TIM	3/1/2004	57	122	DF	121.41	155.08	15.3	168	58.96	26.286	5,976	2,664								
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<input type="checkbox"/>	WA	UNIT 1	RMZ	OR	01S	01W	TC	24		12.31	3/1/2004	4	TIM	3/1/2004	60	105	DF	34.57	67.59	18.9	67	23.55	10.965	290	135								
										418.91			269			49	112			143.72	115.52			108	0.67	0.306	16.950	7.493					
Tract: UNIT 2																																	
<input type="checkbox"/>	WA	UNIT 2	0006	OR	01S	01W	TC	25		6.32	3/1/2004	22	TIM	3/1/2004																			
<input type="checkbox"/>	WA	UNIT 2	0007	OR	01S	01W	TC	25		62.50	3/1/2004	30	TIM	3/1/2004																			
<input type="checkbox"/>	WA	UNIT 2	0008	OR	01S	01W	TC	25		58.58	3/1/2004	50	TIM	3/1/2004																			
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<input type="checkbox"/>	WA	UNIT 3	0016	OR	01S	01W	TC	26		11.72	3/1/2004	6	TIM	3/1/2004																			
<input type="checkbox"/>	WA	UNIT 3	0021	OR	01S	01W	TC	26		44.56	3/1/2004	24	TIM	3/1/2004																			
<input type="checkbox"/>	WA	UNIT 3	0022	OR	01S	01W	TC	26		6.09	3/1/2004	3	TIM	3/1/2004																			
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										162.36			87			51	110			156.12	193.33			203	2.27	0.899	11,151	4,613					

Filter Editor ✖

And ⊕

[Total Net Mbfg] Equals <enter a value> ⊗

FILTER- by what attribute?

SuperACE 2017 V1-Test

File Project Stands Ownership Reports Tables Defaults Help Skins

First Prev Next Last Print Save Column Chooser **Filter** Select All Attached Files Additional Tree Measurements

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▼ Tract: UNIT 1																									
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WA	UNIT 1	0003	OR	01S	01W	TC	24		85.92	3/1/2004	70	TIM	3/1/2004	65	119	DF	95.13	93.24	13.4	77	27.06	10.346	2,325	889	
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WA	UNIT 1	0013	OR	01S	01W	TC	24		112.75	3/1/2004	56	TIM	3/1/2004	42	110	GF	59.85	137.90	20.6	91	41.34	17.874	4,661	2,015	
WA	UNIT 1	RMZ	OR	01S	01W	TC	24		12.31	3/1/2004	4	TIM	3/1/2004	60	105	DF	34.57	67.59	18.9	67	23.55	10.965	290	135	
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▼ Tract: UNIT 2																									
WA	UNIT 2	0006	OR	01S	01W	TC	25		6.32	3/1/2004	22	TIM	3/1/2004												
WA	UNIT 2	0007	OR	01S	01W	TC	25		62.50	3/1/2004	30	TIM	3/1/2004												
WA	UNIT 2	0008	OR	01S	01W	TC	25		58.58	3/1/2004	50	TIM	3/1/2004												
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WA	UNIT 2	0011	OR	01S	01W	TC	25		15.12	3/1/2004	7	TIM	3/1/2004												
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WA	UNIT 3	0026	OR	01S	01W	TC	26		14.92	3/1/2004	8	TIM	3/1/2004												
WA	UNIT 3	0029	OR	01S	01W	TC	26		33.73	3/1/2004	16	TIM	3/1/2004												
WA	UNIT 3	0032	OR	01S	01W	TC	26		5.52	3/1/2004	5	TIM	3/1/2004												
									162.36		87														


Filter Editor

And O

Total Net MbF Equals Center a value > O

- ATT
- BA Per Ac
- City
- Exam Date
- Grown Date
- Hiv
- Land Class
- Maj Age
- Maj Spc
- Net Acres
- Net Ccf Per Ac
- Net MbF Per Ac
- Plots
- QM Dbh
- Rge
- Sec
- SI
- Src
- St
- Stand #
- Tons Per Ac
- Total Net Ccf
- Total Net MbF
- Tract
- Trees Per Ac

Cancel Apply



FILTER- by what criteria?

SuperACE 2017 V1-Test

File Project Stands Ownership Reports Tables Defaults Help Skins

First Prev Next Last Print Save Column Chooser **Filter** Select All Attached Files Additional Tree Measurements

Home Stand Master Plot Location Tree Input Tree Edit Stand Input

	Cty	Tract	Stand #	St	Twn	Rge	Src	Sec	Hrv	Net Acres	Exam Date	Plots	Land Class	Grown Date	Maj Age	SI	Maj Spc	Trees Per Ac	BA Per Ac	QM Dbh	Tons Per Ac	Net Ccf Per Ac	Net Mbf Per Ac	Total Net Ccf	Total Net Mbf								
Tract: UNIT 1																																	
<input type="checkbox"/>	WA	UNIT 1	0002	OR	01S	01W	TC	24		101.36	3/1/2004	57	TIM	3/1/2004	57	122	DF	121.41	155.08	15.3	168	58.96	26.286	5,976	2,664								
<input type="checkbox"/>	WA	UNIT 1	0003	OR	01S	01W	TC	24		85.92	3/1/2004	70	TIM	3/1/2004	65	119	DF	95.13	93.24	13.4	77	27.06	10.346	2,325	889								
<input type="checkbox"/>	WA	UNIT 1	0004	OR	01S	01W	TC	24		30.26	3/1/2004	17	TIM	3/1/2004	60	108	DF	67.46	180.30	22.1	255	89.53	43.941	2,709	1,330								
<input type="checkbox"/>	WA	UNIT 1	0005	OR	01S	01W	TC	24		24.72	3/1/2004	13	TIM	3/1/2004	75	98	DF	87.28	114.08	15.5	114	40.00	18.601	989	460								
<input type="checkbox"/>	WA	UNIT 1	0006	OR	01S	01W	TC	24		51.59	3/1/2004	52	TIM	3/1/2004	3	92	BM	549.55	0.10	.2		0.00	0.000										
<input type="checkbox"/>	WA	UNIT 1	0013	OR	01S	01W	TC	24		112.75	3/1/2004	56	TIM	3/1/2004	42	110	GF	59.85	137.90	20.6	91	41.34	17.874	4,661	2,015								
<input type="checkbox"/>	WA	UNIT 1	RMZ	OR	01S	01W	TC	24		12.31	3/1/2004	4	TIM	3/1/2004	60	105	DF	34.57	67.59	18.9	67	23.55	10.965	290	135								
										418.91			269			49	112			143.72	115.52			108	0.67	0.306	16.950	7.493					
Tract: UNIT 2																																	
<input type="checkbox"/>	WA	UNIT 2	0006	OR	01S	01W	TC	25		6.32	3/1/2004	22	TIM	3/1/2004																			
<input type="checkbox"/>	WA	UNIT 2	0007	OR	01S	01W	TC	25		62.50	3/1/2004	30	TIM	3/1/2004																			
<input type="checkbox"/>	WA	UNIT 2	0008	OR	01S	01W	TC	25		58.58	3/1/2004	50	TIM	3/1/2004																			
<input type="checkbox"/>	WA	UNIT 2	0009	OR	01S	01W	TC	25		10.20	3/1/2004	4	TIM	3/1/2004																			
<input type="checkbox"/>	WA	UNIT 2	0010	OR	01S	01W	TC	25		7.08	3/1/2004	3	TIM	3/1/2004																			
<input type="checkbox"/>	WA	UNIT 2	0011	OR	01S	01W	TC	25		15.12	3/1/2004	7	TIM	3/1/2004																			
<input type="checkbox"/>	WA	UNIT 2	0012	OR	01S	01W	TC	25		10.45	3/1/2004	7	TIM	3/1/2004																			
										170.25			123																				
Tract: UNIT 3																																	
<input type="checkbox"/>	WA	UNIT 3	0016	OR	01S	01W	TC	26		11.72	3/1/2004	6	TIM	3/1/2004																			
<input type="checkbox"/>	WA	UNIT 3	0021	OR	01S	01W	TC	26		44.56	3/1/2004	24	TIM	3/1/2004																			
<input type="checkbox"/>	WA	UNIT 3	0022	OR	01S	01W	TC	26		6.09	3/1/2004	3	TIM	3/1/2004																			
<input type="checkbox"/>	WA	UNIT 3	0024	OR	01S	01W	TC	26		45.82	3/1/2004	25	TIM	3/1/2004																			
<input type="checkbox"/>	WA	UNIT 3	0026	OR	01S	01W	TC	26		14.92	3/1/2004	8	TIM	3/1/2004																			
<input type="checkbox"/>	WA	UNIT 3	0029	OR	01S	01W	TC	26		33.73	3/1/2004	16	TIM	3/1/2004																			
<input type="checkbox"/>	WA	UNIT 3	0032	OR	01S	01W	TC	26		5.52	3/1/2004	5	TIM	3/1/2004	45	127	GF	153.00	136.63	12.8	70	31.93	10.818	176	60								
										162.36			87			51	110			156.12	193.33			203	2.27	0.899	11,151	4,613					

Filter Editor

And

[Total Net Mbf] **Equals** <center a value>

- Equals
- Does not equal
- Is greater than
- Is greater than or equal to
- Is less than
- Is less than or equal to
- Is between
- Is not between
- Is null
- Is not null
- Is any of
- Is none of

Cancel Apply

FILTER- by what value?

SuperACE 2017 V1-Test

File Project Stands Ownership Reports Tables Defaults Help Skins

First Prev Next Last Print Save Column Chooser **Filter** Select All Attached Files Additional Tree Measurements

Home Stand Master Plot Location Tree Input Tree Edit Stand Input

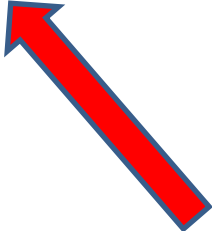
	Cty	Tract	Stand #	St	Twn	Rge	Src	Sec	Hrv	Net Acres	Exam Date	Plots	Land Class	Grown Date	Maj Age	SI	Maj Spc	Trees Per Ac	BA Per Ac	QM Dbh	Tons Per Ac	Net Ccf Per Ac	Net Mbf Per Ac	Total Net Ccf	Total Net Mbf		
Tract: UNIT 1																											
<input type="checkbox"/>	WA	UNIT 1	0002	OR	01S	01W	TC	24		101.36	3/1/2004	57	TIM	3/1/2004	57	122	DF	121.41	155.08	15.3	168	58.96	26.286	5,976	2,664		
<input type="checkbox"/>	WA	UNIT 1	0004	OR	01S	01W	TC	24		30.26	3/1/2004	17	TIM	3/1/2004	60	108	DF	67.46	180.30	22.1	255	89.53	43.941	2,709	1,330		
<input type="checkbox"/>	WA	UNIT 1	0005	OR	01S	01W	TC	24		24.72	3/1/2004	13	TIM	3/1/2004	75	98	DF	87.28	114.08	15.5	114	40.00	18.601	989	460		
<input type="checkbox"/>	WA	UNIT 1	0013	OR	01S	01W	TC	24		112.75	3/1/2004	56	TIM	3/1/2004	42	110	GF	59.85	137.90	20.6	91	41.34	17.874	4,661	2,015		
										269.09		143			53	113		86.42	146.95		141	0.85	0.397	14,335	6,469		
Tract: UNIT 2																											
<input type="checkbox"/>	WA	UNIT 2	0008	OR	01S	01W	TC	25		58.58	3/1/2004	50	TIM	3/1/2004	46	101	DF	95.61	187.08	18.9	222	78.01	36.360	4,570	2,130		
<input type="checkbox"/>	WA	UNIT 2	0009	OR	01S	01W	TC	25		10.20	3/1/2004	4	TIM	3/1/2004	47	115	DF	51.70	149.42	23.0	192	67.43	32.007	688	326		
										68.78		54															
Tract: UNIT 3																											
<input type="checkbox"/>	WA	UNIT 3	0016	OR	01S	01W	TC	26		11.72	3/1/2004	6	TIM	3/1/2004													
<input type="checkbox"/>	WA	UNIT 3	0021	OR	01S	01W	TC	26		44.56	3/1/2004	24	TIM	3/1/2004													
<input type="checkbox"/>	WA	UNIT 3	0024	OR	01S	01W	TC	26		45.82	3/1/2004	25	TIM	3/1/2004													
<input type="checkbox"/>	WA	UNIT 3	0026	OR	01S	01W	TC	26		14.92	3/1/2004	8	TIM	3/1/2004													
										117.02		63															

Filter Editor

And

[Net Mbf Per Ac] Is greater than 15.000

OK Cancel Apply



Stands > 15 MBF/Acre

SuperACE 2017 V1-Test

File Project Stands Ownership Reports Tables Defaults Help Skins

First Prev Next Last Print Save Column Chooser **Filter** Select All Attached Files Additional Tree Measurements

Home Stand Master Plot Location Tree Input Tree Edit Stand Input

	Cty	Tract	Stand #	St	Twn	Rge	Src	Sec	Hrv	Net Acres	Exam Date	Plots	Land Class	Grown Date	Maj Age	SI	Maj Spc	Trees Per Ac	BA Per Ac	QM Dbh	Tons Per Ac	Net Ccf Per Ac	Net MbF Per Ac	Total Net Ccf	Total Net MbF	
Tract: UNIT 1																										
<input type="checkbox"/>	WA	UNIT 1	0002	OR	01S	01W	TC	24		101.36	3/1/2004	57	TIM	3/1/2004	57	122	DF	121.41	155.08	15.3	168	58.96	26.286	5,976	2,664	
<input type="checkbox"/>	WA	UNIT 1	0004	OR	01S	01W	TC	24		30.26	3/1/2004	17	TIM	3/1/2004	60	108	DF	67.46	180.30	22.1	255	89.53	43.941	2,709	1,330	
<input type="checkbox"/>	WA	UNIT 1	0005	OR	01S	01W	TC	24		24.72	3/1/2004	13	TIM	3/1/2004	75	98	DF	87.28	114.08	15.5	114	40.00	18.601	989	460	
<input type="checkbox"/>	WA	UNIT 1	0013	OR	01S	01W	TC	24		112.75	3/1/2004	56	TIM	3/1/2004	42	110	GF	59.85	137.90	20.6	91	41.34	17.874	4,661	2,015	
										269.09		143		53	113		86.42	146.95		141	0.85	0.397	14,335	6,469		
Tract: UNIT 2																										
<input type="checkbox"/>	WA	UNIT 2	0008	OR	01S	01W	TC	25		58.58	3/1/2004	50	TIM	3/1/2004	46	101	DF	95.61	187.08	18.9	222	78.01	36.360	4,570	2,130	
<input type="checkbox"/>	WA	UNIT 2	0009	OR	01S	01W	TC	25		10.20	3/1/2004	4	TIM	3/1/2004	47	115	DF	51.70	149.42	23.0	192	67.43	32.007	688	326	
										68.78		54														
Tract: UNIT 3																										
<input type="checkbox"/>	WA	UNIT 3	0016	OR	01S	01W	TC	26		11.72	3/1/2004	6	TIM	3/1/2004												
<input type="checkbox"/>	WA	UNIT 3	0021	OR	01S	01W	TC	26		44.56	3/1/2004	24	TIM	3/1/2004												
<input type="checkbox"/>	WA	UNIT 3	0024	OR	01S	01W	TC	26		45.82	3/1/2004	25	TIM	3/1/2004												
<input type="checkbox"/>	WA	UNIT 3	0026	OR	01S	01W	TC	26		14.92	3/1/2004	8	TIM	3/1/2004												
										117.02		63														

Filter Editor

And

[Net MbF Per Ac] is greater than 15.000

OK Cancel Apply

Filter Button Changes to Clear Filter

SuperACE 2017 V1-Test

File Project Stands Ownership Reports Tables Defaults Skins

First Prev Next Last Print Save Column Chooser **Clear Filter** Select All Attached Files Additional Tree Measurements

Home Stand Master Plot Location Tree Input Tree Edit Stand Input

	Cty	Tract	Stand #	St	Twn	Rge	Src	Sec	Hrv	Net Acres	Exam Date	Plots	Land Class	Grown Date	Maj Age	SI	Maj Spc	Trees Per Ac	BA Per Ac	QM Dbh	Tons Per Ac	Net Ccf Per Ac	Net Mbf Per Ac	Total Net Ccf	Total Net Mbf	
Tract: UNIT 1																										
<input type="checkbox"/>	WA	UNIT 1	0002	OR	01S	01W	TC	24		101.36	3/1/2004	57	TIM	3/1/2004	57	122	DF	121.41	155.08	15.3	168	58.96	26.286	5,976	2,664	
<input type="checkbox"/>	WA	UNIT 1	0004	OR	01S	01W	TC	24		30.26	3/1/2004	17	TIM	3/1/2004	60	108	DF	67.46	180.30	22.1	255	89.53	43.941	2,709	1,330	
<input type="checkbox"/>	WA	UNIT 1	0005	OR	01S	01W	TC	24		24.72	3/1/2004	13	TIM	3/1/2004	75	98	DF	87.28	114.08	15.5	114	40.00	18.601	989	460	
<input type="checkbox"/>	WA	UNIT 1	0013	OR	01S	01W	TC	24		112.75	3/1/2004	56	TIM	3/1/2004	42	110	GF	59.85	137.90	20.6	91	41.34	17.874	4,661	2,015	
										269.09		143		53	113		86.42	146.95		141	0.85	0.397	14,335	6,469		
Tract: UNIT 2																										
<input type="checkbox"/>	WA	UNIT 2	0008	OR	01S	01W	TC	25		58.58	3/1/2004	50	TIM	3/1/2004	46	101	DF	95.61	187.08	18.9	222	78.01	36.360	4,570	2,130	
<input type="checkbox"/>	WA	UNIT 2	0009	OR	01S	01W	TC	25		10.20	3/1/2004	4	TIM	3/1/2004	47	115	DF	51.70	149.42	23.0	192	67.43	32.007	688	326	
										68.78		54		46	103		89.10	181.50		218	2.11	0.994	5,258	2,456		
Tract: UNIT 3																										
<input type="checkbox"/>	WA	UNIT 3	0016	OR	01S	01W	TC	26		11.72	3/1/2004	6	TIM	3/1/2004	55	129	WH	170.48	130.95	11.9	130	40.66	15.482	477	181	
<input type="checkbox"/>	WA	UNIT 3	0021	OR	01S	01W	TC	26		44.56	3/1/2004	24	TIM	3/1/2004	57	122	WH	145.22	258.05	18.1	355	110.91	49.014	4,942	2,184	
<input type="checkbox"/>	WA	UNIT 3	0024	OR	01S	01W	TC	26		45.82	3/1/2004	25	TIM	3/1/2004	50	108	DF	169.57	207.33	15.0	205	72.09	29.997	3,303	1,374	
<input type="checkbox"/>	WA	UNIT 3	0026	OR	01S	01W	TC	26		14.92	3/1/2004	8	TIM	3/1/2004	59	72	GF	131.21	157.61	14.8	110	50.07	18.931	747	282	
										117.02		63		54	111		155.50	212.65		243	2.34	0.969	9,469	4,022		

TABLES:

SuperACE 2017 V1-Test

File Project Stands Ownership Reports **Tables** Defaults Help Skins

First Prev Next Last Print Save Column

Home Stand Master Plot Location Tree

All Attached Files Additional Tree Measurements

Input

	Species	Src	Hrv	Exam Date	Plots	Land Class	Grown Date	Maj Age	SI	Maj Spc	Trees Per Ac	BA Per Ac	QM Dbh	Tons Per Ac	Net Ccf Per Ac	Net Mbf Per Ac	Total Net Ccf	Total Net Mbf	
Tract: UNIT 1																			
<input type="checkbox"/>	WA	UNIT 1		OR	0002														
<input type="checkbox"/>	WA	UNIT 1		OR	0003														
<input type="checkbox"/>	WA	UNIT 1		OR	0004														
<input type="checkbox"/>	WA	UNIT 1		OR	0005														
<input type="checkbox"/>	WA	UNIT 1		OR	0006														
<input type="checkbox"/>	WA	UNIT 1		OR	0013														
<input type="checkbox"/>	WA	UNIT 1		OR	RMZ														
Tract: UNIT 2																			
<input type="checkbox"/>	WA	UNIT 2		OR	0006														
<input type="checkbox"/>	WA	UNIT 2		OR	0007	01S	01W	25	62.50	TC									
<input type="checkbox"/>	WA	UNIT 2		OR	0008	01S	01W	25	58.58	TC									
<input type="checkbox"/>	WA	UNIT 2		OR	0009	01S	01W	25	10.20	TC									
<input type="checkbox"/>	WA	UNIT 2		OR	0010	01S	01W	25	7.08	TC									
<input type="checkbox"/>	WA	UNIT 2		OR	0011	01S	01W	25	15.12	TC									
<input type="checkbox"/>	WA	UNIT 2		OR	0012	01S	01W	25	10.45	TC									
170.25 123 46 99 107.95 145.01 144 1.73 0.723 8,717 3,679																			
Tract: UNIT 3																			
<input type="checkbox"/>	WA	UNIT 3		OR	0016	01S	01W	26	11.72	TC									
<input type="checkbox"/>	WA	UNIT 3		OR	0021	01S	01W	26	44.56	TC									
<input type="checkbox"/>	WA	UNIT 3		OR	0022	01S	01W	26	6.09	TC									
<input type="checkbox"/>	WA	UNIT 3		OR	0024	01S	01W	26	45.82	TC									
<input type="checkbox"/>	WA	UNIT 3		OR	0026	01S	01W	26	14.92	TC									
<input type="checkbox"/>	WA	UNIT 3		OR	0029	01S	01W	26	33.73	TC									
<input type="checkbox"/>	WA	UNIT 3		OR	0032	01S	01W	26	5.52	TC									
162.36 87 51 110 156.12 193.33 203 2.27 0.899 11,151 4,613																			

- Species
- Sort
- Grade
- Price
- Cost
- Yield/Normality
- Classifications
- Crown Position
- Crown Ratio
- Vigor
- Damage
- User Defined
- Poles
- Piling

TABLES: Species

Code	Abv	Description	Bark Ratio	AsubO Equ	Form Factor	Species Group	Conifer HW	Yield Table Name	Min Dia	Min Len	Max Dia	Max Len	Trim	Max Tree DBH	Max Tree Ht	BdFt Rule	CuFt Rule	Lbs	Lbs Per	Bio Mass	Percent Carbon	Percent Dry Weight	
1	WH	WHEMLOCK	0.944	WH	WH	WH	C	WH-EQUA-050	5	12	108	40	1		259	W	S	6400	C	1.675	51.2	49	
2	RA	R ALDER	0.953	RA	RA	RA	H	RA-EQUA-050	5	12	36	40	1		130	W	S	5500	C	2.279	49.6	49	
3	BM	BL MAPLE	0.953	RA	RA	RA	H	RA-EQUA-050	5	12	96	40	1		110	W	S	5300	C	2.279	49.6	49	
4	SS	S SPRUCE	0.962	SS	SS	SS	C	WH-EQUA-050	5	12	192	40	1		300	W	S	5200	C	1.675	51.2	49	
5	OG	OGDF	0.901	DF	DF	DF	C	DF-EQUA-050	5	12	200	40	1		417	W	S	5600	C	1.675	51.2	49	
6	DF	DOUG FIR	0.92	DF	DF	DF	C	DF-EQUA-050	5	12	200	40	1		246	W	S	5700	C	1.675	51.2	49	
7	SF	PS FIR	0.944	SS	SF	WH	C	WH-EQUA-050	5	12	96	40	1		246	W	S	5730	C	1.675	51.2	49	
8	RC	WR CEDAR	0.951	SS	RC	RC	C	WH-EQUA-050	5	12	200	40	1		250	W	S	4700	C	1.675	51.2	49	
9	CW	COTTONWOOD	0.94	RA	RA	CW	H	WH-EQUA-050	5	12	96	40	1		226	W	S	4900	C	2.279	49.6	49	
10	PP	PONDEROSA PI...	0.907	PP	PP	PP	C	PP-NAT-050	5	12	120	40	1		262	W	S	4800	C	1.675	51.2	49	
11	WP	W PINE	0.95	PP	PP	WP	C	DF-EQUA-050	5	12	96	40	1		207	W	S	4800	C	1.675	51.2	49	
12	MP	M PINE	0.94	PP	PP	WP	C	WH-EQUA-050	5	12	40	40	1		150	W	S	4800	C	1.675	51.2	49	
14	NF	NOB FIR	0.924	NF	NF	WH	C	DF-EQUA-050	5	12	108	40	1		328	W	S	4800	C	1.675	51.2	49	
16	MH	MHEMLOCK	0.944	WH	WH	WH	C	WH-EQUA-050	5	12	40	40	1		165	W	S	6350	C	1.675	51.2	49	
21	PO	PO CEDAR	0.945	SS	RC	PO	C	DF-EQUA-050	5	12	192	40	1		225	W	S	4500	C	1.675	51.2	49	
22	OA	OR ASH	0.953	RA	RA	RA	H	RA-EQUA-050	5	12	36	40	1		100	W	S	5800	C	2.279	49.6	49	
24	OK	OR W OAK	0.953	RA	RA	RA	H	RA-EQUA-050	5	12	96	40	1		120	W	S	6900	C	2.279	49.6	49	
25	TO	TAN OAK	0.94	RA	RA	RA	H	RA-EQUA-050	5	12	84	40	1		150	W	S	6900	C	2.279	49.6	49	
31	RF	SH R FIR	0.924	DF	NF	WH	C	DF-EQUA-050	5	12	120	40	1		230	W							49
32	WF	CON FIR	0.91	SS	SF	WH	C	DF-EQUA-050	5	12	72	40	1		200	W							49
33	IC	INC CED	0.9	SS	RC	PP	C	DF-EQUA-050	5	12	132	40	1		186	W							49
34	YC	AY CEDAR	0.941	SS	RC	YC	C	DF-EQUA-050	5	12	84	40	1		130	W							49
41	GF	GR FIR	0.944	SS	SF	WH	C	WH-EQUA-050	5	12	72	40	1		250	W							49
42	LP	LP PINE	0.96	DF	LP	WP	C	LP-NAT-050	5	12	36	40	1		151	W							49
43	SP	SUG.PINE	0.87	PP	PP	PP	C	PP-EQUA-100	5	12	120	40	1		246	W							49
44	WL	W LARCH	0.9	DF	DF	DF	C	PP-EQUA-100	5	12	96	40	1		210	W							49
45	ES	E SPRUCE	0.962	SS	SS	WP	C	WH-EQUA-050	5	12	96	40	1		165	W							49
46	AF	ALP FIR	0.94	0.333	WH	WH	C	WH-EQUA-050	5	12	36	40	1		160	W							49
47	QA	ASPEN	0.94	RA	RA	RA	H	RA-EQUA-050	5	12	55	40	1		121	W							49
48	MA	MADRONE	0.94	RA	RA	RA	H	RA-EQUA-050	5	12	48	40	1		125	W							49
49	CQ	CHINQUAP	0.94	RA	RA	RA	H	RA-EQUA-050	5	12	96	40	1		150	W							49
50	CH	CHERRY	0.94	RA	RA	RA	H	RA-EQUA-050	5	12	30	40	1		85	W							49
51	BF	BAL FIR	0.94	SS	SS	WH	C	DF-EQUA-050	5	12	36	40	1		381	W							49
52	RW	REDWOOD	0.9	DF	DF	RW	C	RW-REF-050	5	12	200	40	1		200	W							49
53	OC	OTH CONF	0.944	WH	WH	WH	C	WH-EQUA-050	5	12	60	40	1		200	W							49
54	OH	OTH HDWD	0.94	RA	RA	RA	H	RA-EQUA-050	5	12	60	40	1		100	W	S	5500	C	2.279	49.6	49	

- Codes
 - Minimum log
 -Trim
 - Bark Thickness
 -Scaling Rule
 - Weight & factors

TABLES: Sort (product)

SuperACE 2017 V1-Test

File Project Stands Ownership Reports Tables Defaults Help Skins

First Prev Next Last Print Save Column Chooser Filter Select All Attached Files Additional Tree Measurements

Home Stand Master Plot Location Tree Input Tree Edit Stand Input

City	Tract	Stand #	St	Twn	Rge	Src	Sec	H/v	Net Acres	Exam Date	Plots	Land Class	Grown Date	Maj Age	SI	Maj Spc	Trees Per Ac	BA Per Ac	QM Dbh	Tons Per Ac	Net Ccf Per Ac	Net Mbf Per Ac	Total Net Ccf	Total Net Mbf
WA	UNIT 1	0002	OR	01S	01W	TC	24		101.36	3/1/2004	57	TIM	3/1/2004	57	122	DF	121.41	155.08	15.3	168	58.96	26.286	5,976	2,664
WA	UNIT 1	0003	OR	01S	01W	TC	24		85.92	3/1/2004	70	TIM	3/1/2004	65	119	DF	95.13	93.24	13.4	77	27.06	10.346	2,325	889
WA	UNIT 1	0004	OR	01S	01W	TC	24		30.26	3/1/2004	17	TIM	3/1/2004	60	108	DF	67.46	180.30	22.1	255	89.53	43.941	2,709	1,330
WA	UNIT 1	0005	OR	01S	01W	TC	24		14.75	11/2004	13	TIM	11/2004	75	20	DF	23.36	114.88	15.5	114	45.09	18.081	2,090	400
WA	UNIT 1	0006	OR	01S	01W	TC	24																	
WA	UNIT 1	0013	OR	01S	01W	TC	24																	
WA	UNIT 1	RMZ	OR	01S	01W	TC	24																	

Species	Primary Species	Code	Description	Min Dia	Max Dia	Max Butt	Min Len	Marketing Category	Min BdFt per Log	Min Rings per Inch	% Surface Clear	Max Knot Size per Inch	Knots Per Foot	Slope Of Grain	Product Recovery Min	Weight In Pounds	Volume Units
		0	CULL		0		0				0		0			0	0
		1	OG EX 24	24	0		17			0			0			0	0
		2	HT EX 16	16	0		26			0			0			0	0
		3	JA EX 12	12	0		26			0			0			0	0
		4	PEEWEEJA	8	0		34			0			0			0	0
		5	CH EX 12	12	0		20			0			0			0	0
		6	KO EX 8	8	0		26			0			0			0	0
		7	KO SPLUS	6	0		12			0			0			0	0
		8	DOMESTIC	5	0		12			0			0			0	0
		9	PULP	5	0		12			0			0			0	0
		A	JAPAN 24	24	0		20			0			0			0	0
		B	RING JA	12	0		20			0			0			0	0
		C	CHINA	12	0		20			0			0			0	0
		D	DOM SAW	6	0		12			0			0			0	0
		E	EXPORT	12	0		20			0			0			0	0
		G	PRING	8	0		30			0			0			0	0

23 Records Loaded

TABLES: Price

Set up like buyer's price matrix sheets

Price Table																		
Save Save To New Table Delete Set as Default Print																		
Table Name: <input type="text" value="GENERAL"/>																		
	Species	Product Name	Util	Sorts	Grades	Min Diam	Max Diam	Max Butt	40	36-39	32-35	28-31	24-27	22-23	16-21	12-15	Units	Destination
▶	*	CAMPRUN	SAW	*	*	5	99		500	225	350	450	225	175	225	500	MBF	MT VERNON
	DF WL	HIGHGRADE	SAW	1	1567	16	40		1000	300	400	600	300	250	300	150	MBF	SNOHOMISH
	DF WL	EXPORT	EXP	23	12	12	99		625	600	575						MBF	EVERETT
	DF WL	OVERSIZED	SAW	8	1234	22	99		375	360	353	319	263	263	300		MBF	DARRINGTON
	DF WL	SAWMILL	SAW	18	123	6	99	31	600	576	564	510	420	420	480	357	MBF	DARRINGTON
	DF WL	POLES	POLES	PG	1234	4	99		600	576	564	510	420	420	480	357	MBF	ARLINGTON
	DF WL	UTILITY	UTIL	9	49	4	99		30	30	30	30	30	30	30	30	TON	EVERETT
	DF WL	CAMPRUN	SAW	*	*	4	99		450	250	350	400	250	150	250	225	MBF	MT VERNON
	MA BM CH	SAWMILL	SAW	18	1234	6	99	24	550	500	550	550	500	150	500	550	MBF	MT VERNON
	MA BM CH	UTILITY	UTIL	9	49	5	99		30	30	30	30	30	30	30	30	TON	EVERETT
	RA	HIGHGRADE	SAW	1	1	16	99		500	225	350	450	225	175	225	500	MBF	MT VERNON
	RA	EXPORT	EXP	23	12	14	99		600		500	550				600	MBF	MT VERNON
	RA	SAWMILL	SAW	18	1234	6	99	28	350	200	250	250	200	100	200	350	MBF	MT VERNON
	RA	OVERSIZED	SAW	8	1234	29	99		250	200	250	250	200	100	200	250	MBF	MT VERNON
	RA	UTILITY	UTIL	9	49	5	99		30	30	30	30	30	30	30	30	TON	EVERETT
	RC	HIGHGRADE	SAW	1	1	16	99		600	550	600	600	550	500	550	600	MBF	EVERETT
	RC	SAWMILL	SAW	18	1234	6	99	30	550	500	550	550	500	150	500	550	MBF	EVERETT
	RC	UTILITY	UTIL	9	49	5	99		30	30	30	30	30	30	30	30	TON	EVERETT
	RC	POLES	POLES	PG	1234	0	99		550	500	550	880	500	150	500	550	MBF	ARLINGTON
	SS	CAMPRUN	SAW	*	*	4	99		250	250	250	250	250	250	250	250	MBF	TACOMA
	WH GF SF NF	HIGHGRADE	SAW	1	1	16	99		500	225	350	450	225	175	225	150	MBF	SNOHOMISH
	WH GF SF NF	EXPORT	EXP	23	12	12	99		600	525	500	550					MBF	EVERETT
	WH GF SF NF	SAWMILL	SAW	18	1234	6	99	28	350	200	250	300	200	150	200	350	MBF	DARRINGTON
	WH GF SF NF	OVERSIZED	SAW	8	1234	0	99		250	200	250	250	200	100	200	250	MBF	DARRINGTON
	WH GF SF NF	UTILITY	UTIL	9	49	5	99		60	60	60	60	60	60	60	60	CCF	EVERETT

Tables: Cost

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File Project Stands Ownership Reports Tables Defaults Help Skins

First Prev Next Last Print Save Column Chooser Filter Select All Attached Files Additional Tree Measurements

Home Stand Master Plot Location Tree Input Tree Edit Stand Input

	Cty	Tract	Stand #	St	Twn	Rge	Src	Sec	Hrv	Net Acres	Exam Date	Plots	Land Class	Grown Date	Maj Age	SI	Maj Spc	Trees Per Ac	BA Per Ac	QM Dbh	Tons Per Ac	Net Ccf Per Ac	Net MbF Per Ac	Total Net Ccf	Total Net MbF	
Tract: UNIT 1																										
<input type="checkbox"/>	WA	UNIT 1	0002	OR	01S	01W	TC	24																		
<input type="checkbox"/>	WA	UNIT 1	0003	OR	01S	01W	TC	24																		
<input type="checkbox"/>	WA	UNIT 1	0004	OR	01S	01W	TC	24																		
<input type="checkbox"/>	WA	UNIT 1	0005	OR	01S	01W	TC	24																		
<input type="checkbox"/>	WA	UNIT 1	0006	OR	01S	01W	TC	24																		
<input type="checkbox"/>	WA	UNIT 1	0013	OR	01S	01W	TC	24																		
<input type="checkbox"/>	WA	UNIT 1	RMZ	OR	01S	01W	TC	24																		
Tract: UNIT 2																										
<input type="checkbox"/>	WA	UNIT 2	0006	OR	01S	01W	TC	25																		
<input type="checkbox"/>	WA	UNIT 2	0007	OR	01S	01W	TC	25																		
<input type="checkbox"/>	WA	UNIT 2	0008	OR	01S	01W	TC	25																		
<input type="checkbox"/>	WA	UNIT 2	0009	OR	01S	01W	TC	25																		
<input type="checkbox"/>	WA	UNIT 2	0010	OR	01S	01W	TC	25																		
<input type="checkbox"/>	WA	UNIT 2	0011	OR	01S	01W	TC	25																		
<input type="checkbox"/>	WA	UNIT 2	0012	OR	01S	01W	TC	25																		
Tract: UNIT 3																										
<input type="checkbox"/>	WA	UNIT 3	0016	OR	01S	01W	TC	26																		
<input type="checkbox"/>	WA	UNIT 3	0021	OR	01S	01W	TC	26																		
<input type="checkbox"/>	WA	UNIT 3	0022	OR	01S	01W	TC	26																		
<input type="checkbox"/>	WA	UNIT 3	0024	OR	01S	01W	TC	26																		
<input type="checkbox"/>	WA	UNIT 3	0026	OR	01S	01W	TC	26																		
<input type="checkbox"/>	WA	UNIT 3	0029	OR	01S	01W	TC	26																		
<input type="checkbox"/>	WA	UNIT 3	0032	OR	01S	01W	TC	26																		

Cost and Hauling Table

Save Save To New Table Delete Table Set as Default Print

Add Delete

Table Name: GENERAL

Cost Hauling

Species	Cost Type	Print Order	Item	%	Cost Amount	Units	Acres Per Year	Years
	FIXED	13	ADMIN		100,000.00	YEAR		ALL
	FIXED	14	PROPERTY TAX		25,000.00	YEAR		ALL
	FIXED	15	BRIDGE		100,000.00	YEAR		2017
	FIXED	16	PAVING		300,000.00	YEAR		2017
	FIXED	17	MISC		25,000.00	YEAR		ALL
	FIXED	17	OTHER		300,001.00	YEAR		2017
	FIXED	18	ROAD CONSTRUCTION		100,000.00	YEAR		ALL
	FIXED	19	ANNUAL ROAD MAINTENANCE		50,000.00	YEAR		ALL
Cost Type: HAULING								
	HAULING		HAULING		1,848.75	MBF		ALL
Cost Type: VARIABLE								
	VARIABLE	1	FALL, BUCK		21.00	MBF		ALL
RC BM	VARIABLE	1	FALL, BUCK		25.00	MBF		ALL
	VARIABLE	2	SHOVEL YARDING	10	70.00	MBF		ALL
	VARIABLE	2	CAT YARDING	40	110.00	MBF		ALL
	VARIABLE	2	CABLE YARDING	45	140.00	MBF		ALL
	VARIABLE	2	HELICOPTER YARDING	5	300.00	MBF		ALL
	VARIABLE	4	YARDING AVG	100	129.00	MBF		ALL
	VARIABLE	5	ROAD CONSTRUCTION MAINT		50,000.00	YEAR		ALL

Hauling portion of Cost Table

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File Project Stands Ownership Reports Tables Defaults Help Skins

First Prev Next Last Print Save Column Chooser Filter Select All Attached Files Additional Tree Measurements

Home Stand Master Plot Location Tree Input Tree Edit Stand Input

	Cty	Tract	Stand #	St	Twn	Rge	Src	Sec	Hrv	Net Acres	Exam Date	Plots	Land Class	Grown Date	Maj Age	SI	Maj Spc	Tree Per /
Tract: UNIT 1																		
<input type="checkbox"/>	WA	UNIT 1	0002	OR	01S	01W	TC	24										
<input type="checkbox"/>	WA	UNIT 1	0003	OR	01S	01W	TC	24										
<input type="checkbox"/>	WA	UNIT 1	0004	OR	01S	01W	TC	24										
<input type="checkbox"/>	WA	UNIT 1	0005	OR	01S	01W	TC	24										
<input type="checkbox"/>	WA	UNIT 1	0006	OR	01S	01W	TC	24										
<input type="checkbox"/>	WA	UNIT 1	0013	OR	01S	01W	TC	24										
<input type="checkbox"/>	WA	UNIT 1	RMZ	OR	01S	01W	TC	24										
Tract: UNIT 2																		
<input type="checkbox"/>	WA	UNIT 2	0006	OR	01S	01W	TC	25										
<input type="checkbox"/>	WA	UNIT 2	0007	OR	01S	01W	TC	25										
<input type="checkbox"/>	WA	UNIT 2	0008	OR	01S	01W	TC	25										
<input type="checkbox"/>	WA	UNIT 2	0009	OR	01S	01W	TC	25										
<input type="checkbox"/>	WA	UNIT 2	0010	OR	01S	01W	TC	25										
<input type="checkbox"/>	WA	UNIT 2	0011	OR	01S	01W	TC	25										
<input type="checkbox"/>	WA	UNIT 2	0012	OR	01S	01W	TC	25										

Cost and Hauling Table

Save Save To New Table Delete Table Set as Default Print

Add Delete

Table Name: GENERAL

Cost Hauling

Destination	Avg Load Tons	Round Trip Miles	Hours	Minutes	Truck Cost per Hour \$
ARLINGTON	28.0	70	2	40	85.00
DARRINGTON	28.0	40	1	50	85.00
DEMING	28.0	160	4	40	85.00
EVERETT	28.0	100	2	50	85.00
MT VERNON	28.0	120	2	50	85.00
SNOHOMISH	28.0	100	2	5	85.00
TACOMA	28.0	180	4	50	85.00

Stand Master

— each stand has this as control

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File Project Stands Ownership Reports Tables Defaults Help Skins

First Prev Next Last Print Save Attached Files Additional Tree Measurements

Home Stand Master Plot Location Tree Input Tree Edit Stand Input

Project: DEMO State: OR County: WA Tract: UNIT 1 Stand #: 0004 Twn: 01S Rge: 01W Sec: 24 Net Acres: 30.26 Plots: 17 Cruise or Input Date: 3/1/2004 Stand Grown To: 3/1/2004

Species Table: GEN WEST Sort Table: NW SORTS Grade Table: NW GRADES Price Table: GENERAL Cost Table: GENERAL Auto Segment Length: 0

Non-Stocked Table: Non-Timbered Table: Harvest Table: Growth Model:

Proportional Plot (BAF)

	Input BAF	Plot Radius Factor Calc
B1:	13.61	2.3572
B2:	17.78	2.0623
B3:	22.5	1.8333
B4:	27.78	1.6499
B5:	33.61	1.5000

Fixed Area

Area Code	Plot Acres	Plot Radius	Side 1	Side 2	Blow Up
A1:	0.000	0.00	0.00	0.00	0.00
A2:	0.000	0.00	0.00	0.00	0.00
A3:	0.000	0.00	0.00	0.00	0.00
A4:	0.000	0.00	0.00	0.00	0.00
A5:	0.000	0.00	0.00	0.00	0.00

Strip Cruise

Strip	Interval in Ft	Strip Width in Ft	Blow Up
S1:	0	0	0.00
S2:	0	0	0.00
S3:	0	0	0.00
S4:	0	0	0.00
S5:	0	0	0.00

Age Codes

Age	Age
1:	60
2:	105
3:	75
4:	0
5:	0
6:	0
7:	0
8:	0
9:	0

Permanent Plot Measurements

Occasion	Date Measured	Interval
1	12/1/2016	0
2	12/1/2018	2
3	12/1/2022	4

Site Index by Species

Species	Species	Species	Site Index
DF			108
RC			70
RA	BM		100
			0

Hauling Calculations

Destination	Avg Load Tons	Round Trip Miles	Hours	Minutes	Truck Cost per Hour \$
EVERETT	28.0	100	2	50	85.00
TACOMA	28.0	180	4	50	85.00
MT VERNON	28.0	120	2	50	85.00
DARRINGTON	28.0	40	1	50	85.00
ARLINGTON	28.0	70	2	40	85.00

Sight Point (in/out) can be different from Form Point (taper length)

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File Project Stands Ownership Reports Tables Defaults Help Skins

First Prev Next Last Print Save Column Chooser Attached Files Additional Tree Measurements

Home Stand Master Plot Location Tree Input Tree Edit Stand Input

Tract: UNIT 1 Stand #: 0004 Twn: 01S Rge: 01W Sec: 24 Net Acres: 30.26 Species Table: GEN WEST Sort Table: NW SORTS Grade Table: NW GRADES Price Table: GENERAL Cost Table: GENERAL

Root Group				Data Taken	Load Data	Habitat			Coordinates			Per Acre by Plot				Notes	
Plot #	Plot Date	Cruiser	In At		Slope	Aspect	Habitat	Spp	Env	X - North	Y - East	Z - Elev	Basal Area Per Ac	Trees Per Ac	NetCF Per Ac	NetBF Per Ac	
<input type="checkbox"/> A034		TOBY	FP							0	0	0	127.905	34.02	5,723	28,292	
<input type="checkbox"/> A035		TOBY	FP							0	0	0	215.069	72.54	11,171	59,554	
<input type="checkbox"/> A040		TOBY	FP							0	0	0	343.463	211.75	15,324	72,569	
<input type="checkbox"/> A041		TOBY	FP							0	0	0	287.759	286.73	8,748	39,795	
<input type="checkbox"/> A042		TOBY	FP							0	0	0	117.657	117.36	3,962	15,949	
<input type="checkbox"/> A134		TOBY	FP							0	0	0	160.292	39.67	7,775	38,305	
<input type="checkbox"/> A135		TOBY	FP							0	0	0	182.877	34.88	9,485	48,051	
<input type="checkbox"/> A136		TOBY	FP							0	0	0	155.196	25.17	9,516	48,251	
<input type="checkbox"/> A137		TOBY	FP							0	0	0	189.250	22.88	12,006	62,297	
<input type="checkbox"/> A138		TOBY	FP							0	0	0	123.256	39.57	5,421	29,422	
<input type="checkbox"/> A139		TOBY	FP							0	0	0	65.350	13.45	3,313	14,528	
<input type="checkbox"/> A140		TOBY	FP							0	0	0	154.518	30.51	8,856	46,124	
<input type="checkbox"/> A141		TOBY	FP							0	0	0	157.336	27.54	9,032	44,452	
<input type="checkbox"/> A142		TOBY	FP							0	0	0	221.080	48.49	12,025	63,027	
<input type="checkbox"/> A150		TOBY	FP							0	0	0	221.831	68.71	11,147	48,365	
<input type="checkbox"/> A151		TOBY	FP							0	0	0	184.099	46.28	9,984	48,288	
<input type="checkbox"/> A152		TOBY	FP							0	0	0	158.109	27.36	8,586	39,722	

Why sight at 16 feet above stump?
16 Ft sight point for trees in/out is above the brush



Tree Measurement Screen

SuperACE 2017 V1-Test

File Project Stands Ownership Reports Tables Defaults Help Skins

First Prev Next Last Print Save Column Chooser Additional Tree Measurements Measure From Distance ▾

Home Stand Master Plot Location Tree Input Tree Edit Stand Input

Tract: UNIT 1 Stand #: 0002 Twn: 01S Rge: 01W Sec: 24 Net Acres: 101.3 Species Table: GEN WEST Sort Table: NW SORTS Grade Table: NW SORTS Price Table: GENERAL

Identification			Measurements					Classification					Segment 1					Segment 2					Segment 3																						
Plot #	Tree #	PF	Age	Spp	St	Ct	Dbh	FP	FF	TDF	Bole Ht	Total Ht	PO	CR	VI	DA	UD	S	G	Ln	F	I	F	I	%	S	G	Ln	F	I	F	I	%	S	G	Ln	F	I	F	I	%				
T124	5	B3	2	DF		1	30.0	16	84	40	111	139						8	2	40	2	2				8	2	40	2	2				8	3	--	1	1							
T125	1	B3	1	DF		1	17.0	16	85	40	80	100						6	3	40						8	4	--																	
T125	2	B3	1	DF		1	11.0	16	89	40	79	99						8	3	40						8	4	--																	
T125	3	B3	1	DF		1	14.0	16	89	40	87	109						6	3	40						8	4	--																	
T125	4	B3	1	DF		1	19.0	16	87	40	75	93						5	2	40						8	4	--																	
T125	5	B3	3	DF		1	23.0	16	86	40	86	107						5	2	40						6	3	40																	
T126	1	B3	3	DF		1	23.0	16	81	40	95	119						8	2	40	4	1				8	4	40		4															
T126	2	B3	3	DF		1	33.0	16	84	40	111	140						5	2	40	2	2				8	2	40	1	1				8	3	--		4							
T126	3	B3	3	DF		1	28.0	16	85	40	112	141						5	2	40	1	1				5	2	40	2					8	3	--		4							
T127	1	B3	1	RA		1	16.0	16	84	40	90	112						9	4	20						9	4	30	2		2														
T127	2	B3	1	RA		1	9.0	16	88	40	54	65						9	4	40																									
T127	3	B3	1	RA		1	8.0	16	89	40	50	60						9	4	--																									
T127	4	B3	3	DF		1	21.0	16	89	40	95	119						5	2	40						6	3	40						8	4	--									
T127	5	B3	3	DF		1	18.0	16	88	40	93	116						5	2	40	3					8	3	40																	

Top Diameter or Top Diameter Fraction

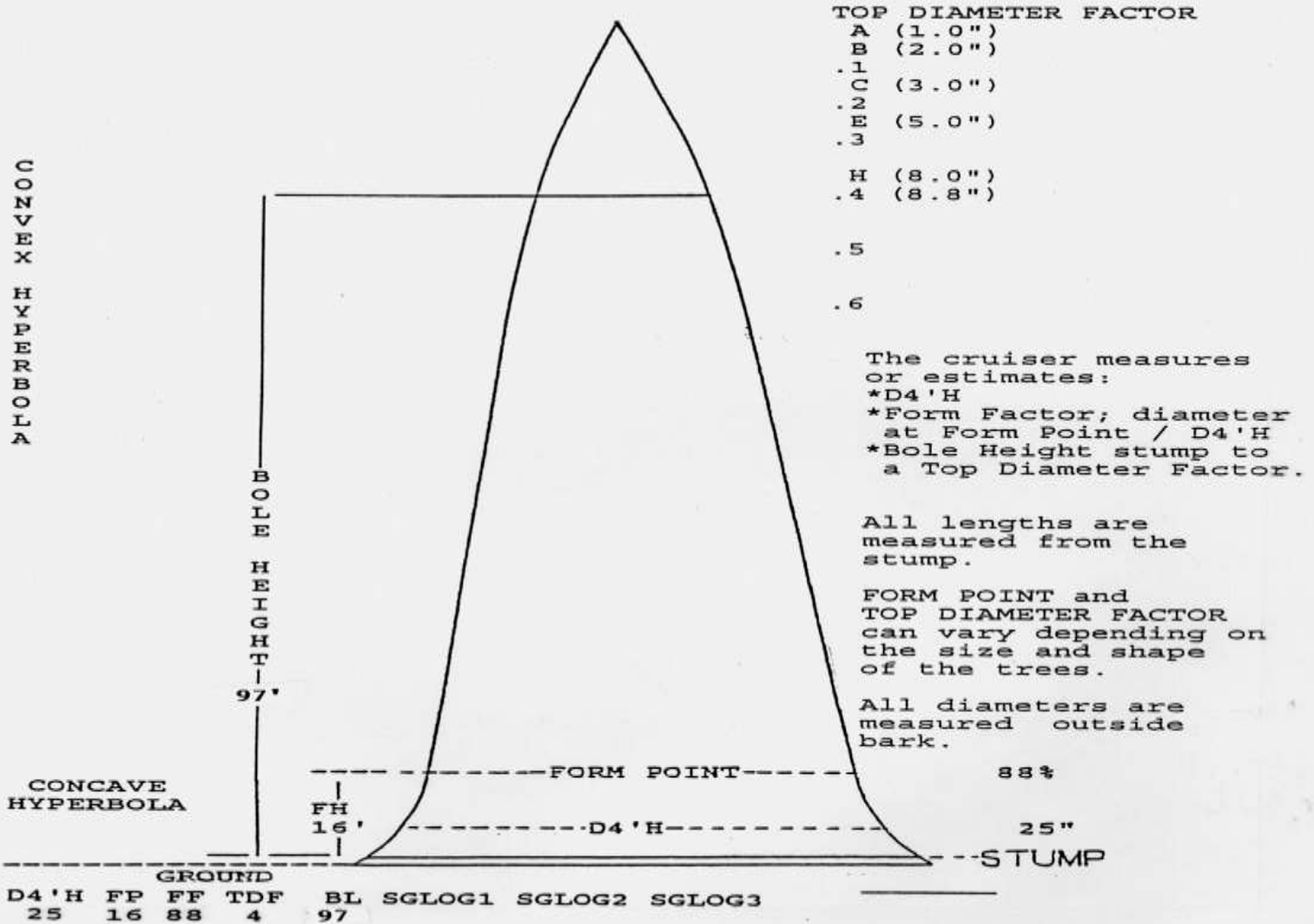
- A point in the upper bole where the height is measured to a diameter or a fraction of the diameter at 16 feet (FORM POINT).
- Use top diameter or top diameter fraction when the top is damaged or you cannot see the top.
- Trees with damaged tops or broken tops must be measured to a Top Diameter or Top Diameter Fraction. Otherwise, the taper functions may give you bad diameters in all of the logs in the tree.

4/10ths or 5/10ths is typical for normal trees
It is a point of taper change



Basic Measurements

Figure 2
The Basic Tree Measurements





Tree heights need to be measured as they are, not estimated to an imaginary total height



Measurements are Taken to Fit the Tree

- Taken above stump – cruiser decides what stump will be
- Form Factor – measures high taper butt
- Bole Length – between stump & Top Fraction
- Top Fraction – point at which tree taper changes again

Then Behre's Hyperbola can work and *Scaling diameter is calculated for any log length*

Cruiser Decisions:

- Fit in most valuable
 - Sorts
 - Log lengths
 - Diameters (grades)
- Take scaling defect on logs
- Take out defect as it would be bucked out
- Make judgment allowances for breakage

Measuring trees for a cruise is a 2 step process

1. We measure DBH, form factor (taper) & bole height to a top fraction.

 *This builds the TREE SHAPE*

2. Then we cut it down and make logs out of it.

 *Logs are what **volume** and **value** come from.*

Stand Input (details) & Grown Data

SuperACE 2017 V1-Test

File Project Stands Ownership Reports Tables Defaults Help Skins

First Prev Next Last Print Save

Home Stand Master Plot Location Tree Input Tree Edit Stand Input

Tract: UNIT 1 Stand #: 0004 Twn: 01S Rge: 01W Sec: 24 Net Acres: 30.26 Species Table: GEN WEST Sort Table: NW SORTS

Original

Spc	St	Age	Birth Year	SI	DC Ht	Normality	Basal Area	Trees /Ac	Dbh	Logs /Ac	Gross CuFt /Ac	Net CuFt /Ac	Gross BdFt /Ac	Net BdFt /Ac	
BM		60	1944	100	0	8	13.583	18.950	11.0	15.954	203	203	786	786	
BM		75	1929	100	0	3	4.528	4.101	14.0	4.101	99	99	286	286	
DF		75	1929	108	0	8	20.204	12.456	17.0	25.387	901	901	4,320	4,269	
▶ DF		105	1899	108	0	44	132.935	24.898	31.0	78.666	7,409	7,386	40,854	36,860	
DF	D	105	1899	108	0	1	3.538	0.561	34.0	1.406	196	187	1,185	1,045	
RA		60	1944	100	0	2	3.541	6.248	10.0	9.024	82	82	305	305	
RC		105	1899	70	0		1.968	0.250	38.0	0.750	86	86	432	387	
							66	180.297	67.464		135.287	8,976	8,945	48,170	43,938

Updated

Spc	St	Age	Birth Year	SI	DC Ht	Normality	Basal Area	Trees /Ac	Dbh	Logs /Ac	Gross CuFt /Ac	Net CuFt /Ac	Gross BdFt /Ac	Net BdFt /Ac
BM		60	1944	100		8	13.583	18.950	11.0	15.954	203	203	786	786
BM		75	1929	100		3	4.528	4.101	14.0	4.101	99	99	286	286
DF		75	1929	108		8	20.204	12.456	17.0	25.387	901	901	4,320	4,269
▶ DF		105	1899	108		44	132.935	24.898	31.0	78.666	7,409	7,386	40,854	36,860
DF	D	105	1899	108		1	3.538	0.561	34.0	1.406	196	187	1,185	1,045
RA		60	1944	100		2	3.541	6.248	10.0	9.024	82	82	305	305
RC		105	1899	70			1.968	0.250	38.0	0.750	86	86	432	387

Edit Screen – Live Linked to Data

SuperACE 2017 V1-Test

File Project Stands Ownership Reports Tables Defaults Help Skins

First Prev Next Last Print Save Column Chooser

Home Stand Master Plot Location Tree Input Tree Edit Stand Input

Tract: UNIT 1 Stand #: 0004 Twn: 01S Rge: 01W Sec: 24 Net Acres: 30.26 Species Table: GEN WEST Sort Table: NW SORTS Grade Table: NW GRADES Price Table: GENERAL Cost Table: GENERAL

Plot #	Tree #	PF	Age	Spp	ST	TC	Dbh	FP	FF	TDF	Bole Ht	Total Ht	PO	CR	VI	DA	UD	S #	S	G	LN	F	I	F	I	%	Bark	AO	B/A	T/A	Len	Butt	Top	N CuFt	N BdFt	Log Value \$	Comments		
A034	1	B3	105	RC	1	38.0	16	82			92	132							1	8	3	32					0.951	33.46	4.249	33	40.5	27.0	203	960	528				
																			2	8	3	32					0.951	0.00	0.000	66	27.0	20.1	99	520	286				
																			3	8	3	32					0.951	0.00	0.000	99	20.1	9.0	40	70	39				
																		342		1550																			
A034	2	B3	105	DF	1	30.0	16	89			152	187							1	3	2	40					0.920	28.41	5.787	41	29.6	22.9	145	790	514				
																			2	5	2	34					0.920	0.00	0.000	76	22.9	20.0	78	480	192				
																			3	8	3	24					0.920	0.00	0.000	101	20.0	17.3	43	280	70				
																			4	0	0	4					0.920	0.00	0.000	105	17.3	16.9	0	0	0	0	Cull Segment		
																		304		1700																			
A034	3	B3	105	DF	1	32.0	16	88			133	168							1	5	2	40					0.920	29.05	5.202	41	31.8	23.8	163	890	401				
																			2	5	2	40					0.920	0.00	0.000	82	23.8	19.3	97	600	270				
																			3	5	2	34					0.920	0.00	0.000	117	19.3	13.7	49	210	84				
																			4	0	0	2					0.920	0.00	0.000	119	13.7	13.3	0	0	0	0	Cull Segment		
																		321		1740																			
A034	4	B3	75	BM	1	19.0	16	78			48	69						1	9	4	30					0.953	36.98	18.783	31	20.6	12.0	45	150	5					
																		45		150																			
																		1...		5140																			
A035	1	B3	105	DF	1	43.0	16	88			160	199							1	3	8	40					0.920	29.05	2.881	41	42.8	32.5	304	1750	875				
																			2	5	2	40					0.920	0.00	0.000	82	32.5	28.0	191	1300	585				
																			3	8	3	40					0.920	0.00	0.000	123	28.0	21.8	128	700	315				
																			4	0	0	2					0.920	0.00	0.000	125	21.8	21.4	0	0	0	0	Cull Segment		
																			5	8	3	40					0.920	0.00	0.000	166	21.4	12.4	64	200	90				
																		6		0																			
																		6		0																			

List of Reports

SuperACE 2017 V1-Test

File Project Stands Ownership **Reports** Tables Defaults Help Skins

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Home Stand Master Plot Location Tree Input Tree Edit Stand Input

	Cty	Tract	Stand #	St	Twn	Rge	Src	Sec	Hrv	Net Acres	Exam Date	Plots	Land Class	Grown Date	Maj	Maj	Trees	BA Per	QM	Tons	Net Ccf	Net Mbf	Total Net	Total	
Tract: UNIT 1																									
<input type="checkbox"/>	WA	UNIT 1	0002	OR	01S	01W	TC	24		101.36	3/1/2004	57	TIM	3/1/2004											
<input type="checkbox"/>	WA	UNIT 1	0003	OR	01S	01W	TC	24		85.92	3/1/2004	70	TIM	3/1/2004											
<input type="checkbox"/>	WA	UNIT 1	0004	OR	01S	01W	TC	24		30.26	3/1/2004	17	TIM	3/1/2004											
<input type="checkbox"/>	WA	UNIT 1	0005	OR	01S	01W	TC	24		24.72	3/1/2004	13	TIM	3/1/2004											
<input type="checkbox"/>	WA	UNIT 1	0006	OR	01S	01W	TC	24		51.59	3/1/2004	52	TIM	3/1/2004											
<input type="checkbox"/>	WA	UNIT 1	0013	OR	01S	01W	TC	24		112.75	3/1/2004	56	TIM	3/1/2004											
<input type="checkbox"/>	WA	UNIT 1	RMZ	OR	01S	01W	TC	24		12.31	3/1/2004	4	TIM	3/1/2004											
										418.91		269													
Tract: UNIT 2																									
<input type="checkbox"/>	WA	UNIT 2	0006	OR	01S	01W	TC	25		6.32	3/1/2004	22	TIM	3/1/2004											
<input type="checkbox"/>	WA	UNIT 2	0007	OR	01S	01W	TC	25		62.50	3/1/2004	30	TIM	3/1/2004											
<input type="checkbox"/>	WA	UNIT 2	0008	OR	01S	01W	TC	25		58.58	3/1/2004	50	TIM	3/1/2004											
<input type="checkbox"/>	WA	UNIT 2	0009	OR	01S	01W	TC	25		10.20	3/1/2004	4	TIM	3/1/2004											
<input type="checkbox"/>	WA	UNIT 2	0010	OR	01S	01W	TC	25		7.08	3/1/2004	3	TIM	3/1/2004											
<input type="checkbox"/>	WA	UNIT 2	0011	OR	01S	01W	TC	25		15.12	3/1/2004	7	TIM	3/1/2004											
<input type="checkbox"/>	WA	UNIT 2	0012	OR	01S	01W	TC	25		10.45	3/1/2004	7	TIM	3/1/2004											
										170.25		123													
Tract: UNIT 3																									
<input type="checkbox"/>	WA	UNIT 3	0016	OR	01S	01W	TC	26		11.72	3/1/2004	6	TIM	3/1/2004											
<input type="checkbox"/>	WA	UNIT 3	0021	OR	01S	01W	TC	26		44.56	3/1/2004	24	TIM	3/1/2004											
<input type="checkbox"/>	WA	UNIT 3	0022	OR	01S	01W	TC	26		6.09	3/1/2004	3	TIM	3/1/2004											
<input type="checkbox"/>	WA	UNIT 3	0024	OR	01S	01W	TC	26		45.82	3/1/2004	25	TIM	3/1/2004											
<input type="checkbox"/>	WA	UNIT 3	0026	OR	01S	01W	TC	26		14.92	3/1/2004	8	TIM	3/1/2004											
<input type="checkbox"/>	WA	UNIT 3	0029	OR	01S	01W	TC	26		33.73	3/1/2004	16	TIM	3/1/2004											
<input type="checkbox"/>	WA	UNIT 3	0032	OR	01S	01W	TC	26		5.52	3/1/2004	5	TIM	3/1/2004											
										162.36		87													

Reports

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Individual Combined Override Species Table

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 - Log Stock - MBF by Species, Sort, Grade, Len, Dia Class
 - Log Stock - CCF by Species, Sort, Grade, Len, Dia Class
 - Log Stock - TON by Species, Sort, Grade, Len, Dia Class
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Plot Reports – data as entered

Plot Tree List Details

State, County: OR WA
 Project: DEMO
 Tract: UNIT 1
 Stand: 0002
 Acres: 101.36

Cruise Date: 03/01/2004
 Grown Date: 03/01/2004
 Modified Date:
 # Plots: 57
 # Trees: 294

Species: GEN WEST
 Sort: NW SORTS
 Grade: NW SORTS
 Price: GENERAL
 Cost: GENERAL

Date: 04/11/2017
 Page: 1/13

Plot	Tree #	PF	Age	Sp	S t	CT	Dbh	FP	FF	TDF	Bole Ht	Total Ht	CP	CR	DM	VI	UD	S			G										
																		#	r t	r d	Ln	FI	FI %	#	r t	r d	Ln	FI	FI %		
A001	1	B3	1	DF	1	12.0	16	86	40	70	95								1	6	3	34	2	8	4	--					
A001	2	B3	1	DF	1	18.0	16	88	40	78	109								1	5	2	36	2	8	3	38					
A001	3	B3	1	DF	1	19.5	16	88	40	85	112								1	5	2	40	2	8	4	40					
A001	4	B3	1	DF	1	17.0	16	89	40	77	109								1	5	2	34	2	8	3	38					
A001	5	B3	1	DF	1	10.5	16	87	40	64	85								1	8	3	40									
A001	6	B3	1	DF	1	14.0	16	89	40	74	99								1	6	3	40	2	8	4	--					
A001	7	B3	1	DF	1	8.5	16	87	40	58	77								1	8	4	38									
A002	1	B3	1	DF	1	19.0	16	83	40	75	104								1	5	2	34	2	8	4	40					
A002	2	B3	1	DF	1	23.0	16	85	40	85	119								1	5	2	40	2	8	3	40	3	0	0	--	
A002	3	B3	1	DF	1	16.5	16	87	40	71	100								1	6	3	40	2	8	4	40					
A002	4	B3	1	DF	1	17.0	16	89	40	65	89								1	5	2	30	2	8	4	32					
A002	5	B3	1	DF	1	18.0	16	88	40	78	115								1	5	2	30	2	0	0	03	3	8	3	40	4
A003	1	B3	1	DF	1	8.7	16	87	40	48	75								1	8	4	40	6								
A003	2	B3	1	DF	1	12.0	16	87	40	64	86								1	6	3	30	2	8	4	--					
A003	3	B3	1	DF	1	19.0	16	85	40	78	119								1	8	2	16	4	2	6	3	40	3	8	4	--
A003	4	B3	1	DF	1	16.0	16	89	40	69	98								1	6	3	40	2	8	4	40					
A003	5	B3	1	DF	1	11.0	16	88	40	70	104								1	8	3	40	2	8	4	--					
A003	6	B3	1	DF	1	24.0	16	87	40	92	130								1	5	2	40	2	8	3	40	6				
A003	7	B3	1	DF	1	20.5	16	85	40	95	128								1	5	2	34	2	6	3	40					
A003	8	B3	1	DF	1	105.0	16	87	40	60	80								1	8	3	40									
A003	9	B3	1	DF	1	17.0	16	87	40	87	113								1	8	2	16	2	2	6	3	40	3	8	4	--
A003	10	B3	1	DF	1	11.0	16	89	40	65	84								1	8	3	40	2	8	4	--					

Plot Reports –

individual cruise tree detail calculations

Edit Report - Plot Tree List by Volume																
State, County:		OR	WA	Cruise Date:		03/01/2004		Species:		GEN WEST		Date:			04/11/2017	
Project:		DEMO		Grown Date:		03/01/2004		Sort:		NW SORTS		Page:			1/10	
Tract:		UNIT 1		Modified Date:				Grade:		NW SORTS						
Stand:		0002		# Plots:		57		Price:		GENERAL						
Acres:		101.36		# Trees:		294		Cost:		GENERAL						
Plot #	Tree #	PF	Age	Spp	St	Tree Cnt	Dbh	FF	Total Ht	BA /Ac	Trees /Ac	Logs /Ac	Net CuFt /Ac	Net BdFt /Ac	Total Net Ccf	Total Net MbF
A001	1	22.5	57	DF		1	12.0	86	95	30.4	38.73	77.5	909	3,873	16	7
	2	22.5	57	DF		1	18.0	88	109	29.1	16.44	32.9	1,006	3,946	18	7
	3	22.5	57	DF		1	19.5	88	112	29.1	14.01	28.0	1,123	4,203	20	7
	4	22.5	57	DF		1	17.0	89	109	28.4	18.02	36.0	1,005	4,145	18	7
	5	22.5	57	DF		1	10.5	87	85	29.7	49.44	49.4	733	2,966	13	5
	6	22.5	57	DF		1	14.0	89	99	28.4	26.57	53.1	947	3,986	17	7
	7	22.5	57	DF		1	8.5	87	77	29.7	75.44	75.4	696	3,017	12	5
Plot										204.80	238.65	352.4	6,419	26,136	114	46
A002	1	22.5	57	DF		1	19.0	83	104	32.7	16.59	33.2	1,083	3,483	19	6
	2	22.5	57	DF		1	23.0	85	119	31.1	10.79	32.4	1,210	4,641	22	8
	3	22.5	57	DF		1	16.5	87	100	29.7	20.02	40.0	982	3,603	17	6
	4	22.5	57	DF		1	17.0	89	89	28.4	18.02	36.0	856	3,244	15	6
	5	22.5	57	DF		1	18.0	88	115	29.1	16.44	49.3	939	3,946	17	7
Plot										150.99	81.86	191.0	5,069	18,918	90	34
A003	1	22.5	57	DF		1	8.7	87	75	29.7	72.01	72.0	577	2,160	10	4
	2	22.5	57	DF		1	12.0	87	86	29.7	37.85	75.7	803	3,406	14	6
	3	22.5	57	DF		1	19.0	85	119	31.1	15.82	47.4	949	3,638	17	6
	4	22.5	57	DF		1	16.0	89	98	28.4	20.34	40.7	908	3,662	16	7
	5	22.5	57	DF		1	11.0	88	104	29.1	44.03	88.1	875	3,962	16	7
	6	22.5	57	DF		1	24.0	87	130	29.7	9.46	18.9	1,158	4,731	21	8
	7	22.5	57	DF		1	20.5	85	128	31.1	13.59	27.2	1,161	4,891	21	9
	8	22.5	57	DF		1	105.0	87	80	29.7	0.49	0.5	762	3,456	14	6
	9	22.5	57	DF		1	17.0	87	113	29.7	18.86	56.6	1,017	4,338	18	8
	10	22.5	57	DF		1	11.0	89	84	28.4	43.04	86.1	739	3,013	13	5
Plot										296.78	275.49	513.1	8,949	37,257	159	66

Plot Reports –

calculations on per segment (log) basis

Tree Segment Volumes																														
State, County:		OR WA		Cruise Date:				03/01/2004				Species:				GEN WEST				Date:	04/11/2017									
Project:		DEMO		Grown Date:				03/01/2004				Sort:				NW SORTS				Page:	1/29									
Tract:		UNIT 1		Modified Date:								Grade:				NW SORTS														
Stand:		0002		# Plots:				57				Price:				GENERAL														
Acres:		101.36		# Trees:				294				Cost:				GENERAL														
Plot	Tree #	PF	A e	S PC	S T	CT	DBH	FP	FF	T D F	Bole Ht	Total Ht	CP	CR	DM	VI	T5	S G	S R	G R	Ln	FI	FI	%	Bark	Len	Butt	Top	Net CuFt	Net BdFt
A001	1	B3	57	DF		1	12.0	16	86	40	70	95						1	6	3	34				.92	35	11.9	8.1	17	70
																		2	8	4	26				.92	62	8.1	5.1	6	30
							AO:	0.517		BA:	30.42		T/A:	38.734															23	100
A001	2	B3	57	DF		1	18.0	16	88	40	78	109						1	5	2	36				.92	37	17.6	12.5	43	180
																		2	8	3	38				.92	76	12.5	6.3	19	60
							AO:	0.517		BA:	29.05		T/A:	16.442															61	240
A001	3	B3	57	DF		1	19.5	16	88	40	85	112						1	5	2	40				.92	41	19.2	13.4	58	240
																		2	8	4	40				.92	82	13.4	7.0	22	60
							AO:	0.517		BA:	29.05		T/A:	14.009															80	300
A001	4	B3	57	DF		1	17.0	16	89	40	77	109						1	5	2	34				.92	35	16.5	12.1	37	170
																		2	8	3	38				.92	74	12.1	6.2	19	60
							AO:	0.517		BA:	28.41		T/A:	18.021															56	230
A001	5	B3	57	DF		1	10.5	16	87	40	64	85						1	8	3	40				.92	41	10.3	6.4	15	60
							AO:	0.517		BA:	29.73		T/A:	49.435															15	60
A001	6	B3	57	DF		1	14.0	16	89	40	74	99						1	6	3	40				.92	41	13.6	9.3	27	120
																		2	8	4	29				.92	71	9.3	5.2	8	30
							AO:	0.517		BA:	28.41		T/A:	26.572															36	150
A001	7	B3	57	DF		1	8.5	16	87	40	58	77						1	8	4	38				.92	39	8.3	5.1	9	40
							AO:	0.517		BA:	29.73		T/A:	75.436															9	40
Plot							BA:	204.80		T/A:	238.649																		6,419	26,136

Catalog Report – usually matched with type map of section

Catalog - Species By Volume																					
State, County:		OR	WA	Cruise Date:		03/01/2004		Species:		GEN WEST		Date:		04/11/2017							
Project:		DEMO		Grown Date:		03/01/2004		Sort:		NW SORTS		Page:		1/1							
Tract:		*		Grade:		NW SORTS		Price:		GENERAL		Cost:		GENERAL							
Stand:		*		Price:		GENERAL		Cost:		GENERAL											
Acres:		*		Cost:		GENERAL															
Stand #	Acres	Src	Date	Age	SI	Spp	St	Dbh	FF	Total Ht	Stk	BA /Ac	Trees /Ac	Logs /Ac	Avg CuFt	Log BdFt	Net Ccf/ Ac	Net Mbf / Ac	Total Net Ccf	Total Net Mbf	
Tract: UNIT 1		Tw: 01S		Rge: 01W		Sec: 24		St: OR		Cty: WA											
0002	101.36	TC	3/2004	57	99	BM		10.0	83	40	0	0.6	1.03	1.0	10	30	10	31	10	3	
				57	122	DF		12.6	87	96	0	58.5	67.56	113.3	17	73	1,926	8,223	1,952	833	
				57	99	MA		15.0	83	56	0	1.1	0.93	0.9	28	60	26	56	27	6	
				57	99	RA		10.0	85	62	0	9.1	16.76	19.6	11	44	224	856	227	87	
				Age	57			12.1	70	76		69.3	86.28	134.9	15	62	2,187	9,166	2,217	929	
				80	122	DF		17.7	87	113	0	29.4	17.21	37.8	33	146	1,253	5,535	1,270	561	
				80	99	RA		16.1	86	69	0	4.8	3.36	4.8	25	78	119	375	120	38	
				Age	80			17.5	142	145		34.2	20.57	42.6	34	150	1,372	5,910	1,391	599	
				121	99	BM		25.2	83	86	0	0.6	0.17	0.3	49	180	17	62	17	6	
				121	122	DF		25.8	86	123	0	47.6	13.08	35.9	62	303	2,227	10,877	2,258	1,103	
				121	99	RA		18.6	85	78	0	1.6	0.85	0.8	52	160	44	136	44	14	
				121	99	RC		23.9	75	80	0	0.7	0.22	0.4	52	135	23	59	23	6	
				121	118	WH		28.9	59	87	0	1.1	0.24	0.7	36	107	26	76	26	8	
				Age	121			25.5	104	133		51.6	14.56	38.3	63	300	2,337	11,210	2,369	1,136	
Stand	0002							15.3	86	95		155.1	121.41	215.8	27	122	5,896	26,286	5,976	2,664	
Tract: UNIT 1		Tw: 01S		Rge: 01W		Sec: 24		St: OR		Cty: WA											
0003	85.92	TC	3/2004	56	91	BM		25.4	82	70	0	7.0	2.00	3.3	56	185	187	618	161	53	
				56	119	DF		23.5	86	122	0	7.4	2.46	6.4	49	225	316	1,448	272	124	
				56	91	RA		14.9	85	74	0	30.3	24.93	36.0	23	79	817	2,835	702	244	
				56	89	RC		31.2	77	105	0	0.4	0.08	0.2	73	300	17	68	14	6	
				56	102	WH		25.1	85	97	0	1.3	0.37	0.8	56	225	48	190	41	16	
				Age	56			16.9	84	77		46.5	29.84	46.9	29	106	1,384	5,160	1,189	443	
				65	91	BM		10.8	84	44	0	1.6	2.50	2.5	13	36	31	91	27	8	
				65	119	DF		23.2	86	117	0	0.8	0.29	0.6	58	256	35	153	30	13	
				65	91	RA		10.3	86	62	0	34.3	59.65	72.5	12	43	852	3,088	732	265	
				65	89	RC		26.1	74	88	0	0.5	0.14	0.3	59	175	17	50	14	4	
				65	102	WH		12.8	84	53	0	1.3	1.49	2.1	18	71	37	151	32	13	
				Age	65			10.5	84	61		38.6	64.07	78.0	13	46	972	3,532	835	303	
				111	119	DF		35.2	87	146	0	4.4	0.65	2.4	87	460	211	1,115	181	96	
				111	89	RC		41.5	83	112	0	0.5	0.05	0.1	159	460	17	50	15	4	
				111	102	WH		33.7	85	113	0	3.3	0.53	1.3	93	374	122	490	105	42	
				Age	111			34.9	152	146		8.1	1.23	3.8	68	338	350	1,655	300	142	
Stand	0003							14.5	86	83		93.2	95.14	128.7	25	105	2,706	10,346	2,325	889	

Species Summary Report

Species Summary - Trees, Logs, Volumes, Percents

State, County: OR WA
 Project: DEMO
 Tract: UNIT 1
 Stand: 0002
 Acres: 101.36

Cruise Date: 03/01/2004
 Grown Date: 03/01/2004
 Modified Date:
 # Plots: 57
 # Trees: 294

Species: GEN WEST
 Sort: NW SORTS
 Grade: NW SORTS
 Price: GENERAL
 Cost: GENERAL

Date: 04/11/2017
 Page: 1/1

Species	St	Trees /Ac	% Trees /Acre	Logs /Ac	% Logs /Acre	Lbs /Ccf	Tons /Mbf	Tons /Acre	Net CuFt / Acre	Net BdFt /Acre	Total Tons	% Tons	Total Net Ccf	% Net Ccf	Total Net Mbf	% Net Mbf
BM		1.20	1.0	1.2	0.6	5,300	7.75	0.72	27.1	92.8	73	0.4	28	0.5	9	0.4
DF		96.90	79.8	179.4	86.9	5,700	6.26	153.72	5,393.6	24,568.1	15,581	91.8	5,467	91.5	2,490	93.5
DF	D	0.96	0.8	0.0	0.0	5,700	5.70	0.38	13.4	66.9	39	0.2	14	0.2	7	0.3
MA		0.93	0.8	0.9	0.5	5,000	11.67	0.65	26.1	56.0	66	0.4	27	0.4	6	0.2
RA		20.96	17.3	24.0	11.6	5,500	7.79	10.64	387.0	1,367.0	1,079	6.4	392	6.6	139	5.2
RC		0.22	0.2	0.4	0.2	4,700	9.14	0.54	22.8	58.7	54	0.3	23	0.4	6	0.2
WH		0.24	0.2	0.5	0.2	6,400	10.80	0.83	25.8	76.5	84	0.5	26	0.4	8	0.3
		121.41		206.5		38,300	59.10	167.48	5,895.9	26,286.1	16,976		5,976		2,664	

Log Stock Table –

shows what logs were made in the cruise

Log Stock - Mbf by Species, Sort, Grade, Len, Dia Class															
State, County: OR WA			Cruise Date: 03/01/2004			Species: GEN WEST			Date: 04/11/2017						
Project: DEMO			Grown Date: 03/01/2004			Sort: NW SORTS			Page: 1/5						
Tract: UNIT 1			Modified Date:			Grade: NW SORTS									
Stand: 0002			# Plots: 57			Price: GENERAL									
Acres: 101.36			# Trees: 294			Cost: GENERAL									
Net Mbf by Scaling Diameter in Inches															
Species	Sort	Grade	Log Len	Gross Mbf	% Def	Net Mbf	% Spp	0-5	6-7	8-11	12-15	16-19	20-23	24-29	30+
BM	PU	4M	28	3		3		3							
BM	PU	4M	40	6		6					6				
BM				9		9		3			6				
DF	CH	2M	26	7	7	6									6
DF	CH	2M	30	37	1	36					19		5	12	
DF	CH	2M	32	17	15.3	14									14
DF	CH	2M	34	120	3.9	115					42	7		35	31
DF	CH	2M	36	16	3	16					9	7			
DF	CH	2M	40	533	2.7	538					246	180	56	48	8
DF	CU	UT	16	4		4									4
DF	CU	UT	20	8	17	7						3		4	
DF	CU	UT	24	5		5						5			
DF	CU	UT	32	7		7								7	
DF	CU	UT	40	7		7			7						
DF	DO	2M	16	10	12.5	9					9				
DF	DO	2M	20	5		5							5		
DF	DO	2M	24	17	30.6	12					4				8
DF	DO	2M	28	7	21.5	5								5	
DF	DO	2M	30	7	19.7	6								6	
DF	DO	2M	32	22	11.1	19								6	14
DF	DO	2M	36	8	6.2	7						7			
DF	DO	2M	40	294	8.5	269					93	70	53	45	9
DF	DO	3M	12	1		1									
DF	DO	3M	16	1		1				1					
DF	DO	3M	20	6	2.4	6				3	3				
DF	DO	3M	23	1	16.7	1				1					
DF	DO	3M	24	7	10	7				1	5		1		

Pole & Piling Report

Pole and Piling Report

State, County:	WA SN	Cruise Date:	03/21/2017	Species:	GEN WEST	Date:	04/11/2017
Project:	POLEPILING	Grown Date:	03/21/2017	Sort:	NW SORTS	Page:	1/1
Tract:	TEST	Modified Date:		Grade:	NW SORTS		
Stand:	1234	# Plots:	1	Price:	GENERAL		
Acres:	52.11	# Trees:	3	Cost:	GENERAL		

Sort	Spc	Len Feet	O.B Dia			Class	Number Pieces	Lineal Feet	Avg Piece Size			Totals			Dollars per				Dollars Piece	Total Dollars
			Butt	Top					Tons	CuFt	BdFt	Tons	Ccf	Mbf	Lineal Ft	Ton	Ccf	Mbf		
POLES	DF	80	17.5	9.1	1	2,865	229,163	2.41	88	345	6,904	2,511	988	4.31	143.13	393.62	1,000	345.00	988,267	
	DF					2,865	229,163	2.41	88	345	6,904	2,511	988	4.31	143	393.62	1,000	345.00	988,267	
POLES						2,865	229,163	2.41	88	345	6,904	2,511	988	4.31	143	393.62	1,000	345.00	988,267	
						2,865	229,163	2.41	88	345	6,904	2,511	988	4.31	143	393.62	1,000	345.00	988,267	

Back by Popular Demand !

Valuation: *using the logs in cruise*

Timber Value Analysis													
State, County:	OR WA	Cruise Date:	03/01/2004	Species:	GEN WEST	Date:	04/11/2017						
Project:	DEMO	Grown Date:	03/01/2004	Sort:	NW SORTS	Page:	1/2						
Tract:	UNIT 1	Modified Date:		Grade:	NW SORTS								
Stand:	0002	# Plots:	57	Price:	GENERAL								
Acres:	101.36	# Trees:	294	Cost:	GENERAL								
Revenue by Species and Product													
Species	Sorts Products	Log Avg Dia	Log Avg Len	Total Logs	Total Tons	Total Cunits	Total Mbf	\$/Log	\$/Acre	\$/Ton	\$/Ccf	\$/Mbf	Total Dollars
BL MAPLE	CULL	13.7	9.0	1				0.00	0.00	0.00	0.00	0.00	
BL MAPLE	UTILITY	10.5	34.0	2	71	27	9	135.00	2.66	3.80	10.00	30.00	270
BL MAPLE				3.00	71	27	9						270
DOUG FIR	?	39.5	49.0	1	28	10	5	0.00	0.00	0.00	0.00	0.00	
DOUG FIR	CAMPRUN	13.4	36.6	222	6,509	2,284	1,084	2,197.30	4,812.55	74.94	213.57	450.00	487,800
DOUG FIR	CULL	17.1	11.4	49	168	59	30	0.00	0.00	0.00	0.00	0.00	
DOUG FIR	EXPORT	19.9	36.0	31	1,157	406	211	4,424.19	1,353.10	118.54	337.81	650.00	137,150
DOUG FIR	OVERSIZED	29.4	34.4	39	1,179	414	225	2,019.23	776.93	66.79	190.22	350.00	78,750
DOUG FIR	SAWMILL	10.5	33.6	329	6,566	2,304	939	1,141.64	3,705.60	57.20	163.02	400.00	375,600
DOUG FIR				671.00	15,607	5,477	2,494						1,079,300
MADRONE	UTILITY	6.9	40.0	1	65	26	5	150.00	1.48	2.31	5.77	30.00	150
MADRONE				1.00	65	26	5						150
R ALDER	CULL	8.4	11.0	2				0.00	0.00	0.00	0.00	0.00	
R ALDER	SAWMILL	10.4	34.7	18	627	228	73	1,216.67	216.06	34.93	96.05	300.00	21,900
R ALDER	UTILITY	6.1	31.5	17	448	163	64	112.94	18.94	4.29	11.78	30.00	1,920
R ALDER				37.00	1,075	391	137						23,820
WHEMLOCK	CULL	16.3	16.0	1	48	15	3	0.00	0.00	0.00	0.00	0.00	
WHEMLOCK	SAWMILL	8.6	26.0	2	196	10	3	375.00	7.40	3.83	75.00	250.00	750
WHEMLOCK				3.00	244	25	6						750
WR CEDAR	SAWMILL	10.2	32.0	2	54	23	5	1,375.00	27.13	50.93	119.57	550.00	2,750
WR CEDAR				2.00	54	23	5						2,750
				717.00	17,116	5,969	2,656						1,107,040
Cost By Line Item													
Cost Item								\$/Log	\$/Acre	\$/Ton	\$/Ccf	\$/Mbf	Total Dollars
ADMIN								1.40	254.35	2.60	7.33	20.00	4,530
FALL, BUCK								4.90	890.23	9.12	25.66	21.00	4,757
HARVEST TAX								1.54	279.79	2.87	8.06	22.00	4,983
HAULING								1.85	337.02	3.45	9.71	26.50	6,002
ROAD CONSTRUCTION MAINT								0.35	63.59	0.65	1.83	5.00	1,133
YARDING AVG								1.47	267.07	2.74	7.70	70.00	15,855
								11.51	2,092.05	21.43	60.29	164.50	37,260
Pre-Tax Profit or Loss								0.00	0.00	0.00	0.00	0.00	0.00

Statistics Report

Statistics of Sampled Population														
State, County:	OR WA	Cruise Date:	03/01/2004	Species:	GEN WEST	Date:	04/11/2017							
Project:	DEMO	Grown Date:	03/01/2004	Sort:	NW SORTS	Page:	1/1							
Tract:	UNIT 1	Modified Date:		Grade:	NW SORTS									
Stand:	0002	# Plots:	57	Price:	GENERAL									
Acres:	101.36	# Trees:	294	Cost:	GENERAL									
Sample data collection information														
	Cruise Plots	BAF Count Plots	Blank Plots	Sample Trees	DBH Trees	Court Trees	100% Trees	Trees /Plot	Trees /Acre	Est Total Trees	% Sample Trees			
BAF Plots (B)	57			294				5.16	121.41	12,306	2.4			
BAF Count Plots (B)														
Fixed Area (F,R,V)														
Strip Plots (S)														
Rectang Plots (A)														
100% (00)														
Stand Summary - Averages														
Species Group	St	Sample Trees	QM Dbh	Avg Total Ht	Trees /Acre	Basal Area / Acre	RD	Net Mbf CV	Net Mbf SE	Tons / Acre	Net CuFt / Acre	Net BdFt / Acre	Total Net Ccf	Total Net Mbf
DOUG FIR		258	16.0	123	96.9	2.4	0.6	57.6	12.8	154	53.94	24.568	5,467	2,490
R ALDER		29	11.6	71	21.0	0.3	0.1	209.9	46.6	11	3.87	1.367	392	139
BL MAPLE		2	13.2	63	1.2	0.0	0.0	529.2	117.5	1	0.27	0.093	28	9
DOUG FIR	D	1	10.0	132	1.0	0.0	0.0	755.0	167.6	0	0.13	0.067	14	7
WHEMLOCK		1	29.0	87	0.2	0.0	0.0	755.5	167.6	1	0.26	0.076	26	8
WR CEDAR		1	24.0	81	0.2	0.0	0.0	755.0	167.6	1	0.23	0.059	23	6
MADRONE		2	15.0	112	0.9	0.0	0.0	755.0	167.7	1	0.26	0.056	27	6
		294		668	121.4	2.7	0.7	59.7	7.9	167	58.959	26.286	5,976	2,664
Confidence Level (CL) 90.5 out of 100. Standard Deviation (SD) 1.7 Input Default Screen														
Coefficient of Variation % (CV) Standard Error of Estimate % (SE) are both computed from plot data														
Volume Unit	SD	CL	CV%	SE%	Low	Avg	High	5	10	15	Low	Avg	High	
Volume per Acre								Plots Required			Sampling Error Range			
BA per Acre	1.7	90.5	42.8	5.7	2.57	2.72	2.87	212	53	24				
Net Mbf (1000 bf)	1.7	90.5	59.7	7.9	24.21	26.29	28.36	411	103	46	2,454	2,664	2,875	
Net CuFt (100 cf)	1.7	90.5	51.7	6.8	54.92	58.96	63.00	309	77	34	5,567	5,976	6,385	
Tons per Acre	1.7	90.5	52.1	11.6	148.05	167.48	186.91	314	78	35	15,006	16,976	18,945	
VBar per Acre	1.7	90.5	60.8	13.5	0.00	0.00	0.00	427	107	47				
Trees per Acre	1.7	90.5	86.7	11.5	107.47	121.41	135.35	869	217	97				
Volume per Tree								Trees Required						
Sample Trees BF	1.7	90.5	163.1	16.0	565.00	673.00	781.00	3,075	769	342				
Sample Trees CF	1.7	90.5	114.8	14.2	119.00	138.00	158.00	1,523	381	169				
Trees per Plot								Number Required						
Required Measured Trees per Plot - BdFt per Acre								7	7	7				
Required Measured Trees per Plot - CuFt per Acre								5	5	5				

Supplemental Files can be attached

File Project Stands Ownership Reports Tables Defaults Help Skins

First Prev Next Last Print Save Column Chooser Filter Select All **Attached Files** Additional Tree Measurements

Home Stand Master Plot Location Tree Input Tree Edit Stand Input

	Cty	Tract	Stand #	St	Twn	Rge	Src	Sec	Hrv	Net Acres	Exam Date	Plots	Land Class	Grown Date	Maj Age	SI	Maj Spc	Trees Per Ac	BA Per Ac	QM Dbh	Tons Per Ac	Net Ccf Per Ac	Net Mbf Per Ac	Total Net Ccf	Total Net Mbf	
Tract: UNIT 1																										
<input type="checkbox"/>	WA	UNIT 1	0002	OR	01S	01W	TC	24		101.36	3/1/2004	57	TIM	3/1/2004	57	122	DF	121.41	155.08	15.3	168	58.96	26.286	5,976	2,664	
<input type="checkbox"/>	WA	UNIT 1	0003	OR	01S	01W	TC	24		85.92	3/1/2004	70	TIM	3/1/2004	65	119	DF	95.13	93.24	13.4	77	27.06	10.346	2,325	889	
<input type="checkbox"/>	WA	UNIT 1	0004	OR	01S	01W	TC	24		30.26	3/1/2004	17	TIM	3/1/2004	60	108	DF	67.46	180.30	22.1	255	89.53	43.941	2,709	1,330	
<input type="checkbox"/>	WA	UNIT 1	0005	OR	01S	01W	TC	24		24.72	3/1/2004	13	TIM	3/1/2004	75	98	DF	87.28	114.08	15.5	114	40.00	18.601	989	460	
<input type="checkbox"/>	WA	UNIT 1	0006	OR	01S	01W	TC	24		51.59	3/1/2004	52	TIM	3/1/2004	3	92	BM	549.55	0.10	.2		0.00	0.000			
<input type="checkbox"/>	WA	UNIT 1	0013	OR	01S	01W	TC	24		112.75	3/1/2004	56	TIM	3/1/2004	42	110	GF	59.85	137.90	20.6	91	41.34	17.874	4,661	2,015	
<input type="checkbox"/>	WA	UNIT 1	RMZ	OR	01S	01W	TC	24		12.31	3/1/2004															
										418.91																
Tract: UNIT 2																										
<input type="checkbox"/>	WA	UNIT 2	0006	OR	01S	01W	TC	25		6.32	3/1/2004															
<input type="checkbox"/>	WA	UNIT 2	0007	OR	01S	01W	TC	25		62.50	3/1/2004															
<input type="checkbox"/>	WA	UNIT 2	0008	OR	01S	01W	TC	25		58.58	3/1/2004															
<input type="checkbox"/>	WA	UNIT 2	0009	OR	01S	01W	TC	25		10.20	3/1/2004															
<input type="checkbox"/>	WA	UNIT 2	0010	OR	01S	01W	TC	25		7.08	3/1/2004															
<input type="checkbox"/>	WA	UNIT 2	0011	OR	01S	01W	TC	25		15.12	3/1/2004															
<input type="checkbox"/>	WA	UNIT 2	0012	OR	01S	01W	TC	25		10.45	3/1/2004															
										170.25																

Attachments

Save Cancel Remove Attached File

Comments	Attached File
I Unit 1 PHOTOS	C:\PA HARDWOOD\2017\APOnion\IMG3613.JPG ...

Thank you

