

**Homesteader Sort
TIMBER CRUISE REPORT
FY 2015**

1. **Sale Area Location:** Areas 1 and 2 are located in portions of Sections 13, T5N, R7W, W.M., Clatsop County, OR. The sale area can be accessed via Highway 202. Turn south onto Wage Road near Milepost 30. Travel south on Wage Road approximately two miles, proceed right onto Grand Rapids Road and continue on for approximately 1.5 miles. Proceed to the right at the three-way junction and continue north/northwest to the southern boundary of Areas 1 and 2.

2. **Fund Distribution:** BOF 100%
Tax Code 8-01 (100%)

3. **Sale Acreage by Area:**

Area	Treatment	Gross Acres	Existing R/W	New R/W	Green Tree Area	Stream Buffer	Net Acres	Survey Method
1	Partial Cut	41	<1	0	0	6	35	GIS
2	Modified Clearcut	60	0	2	2	9	47	GIS
3	Right-of-Way	2	0	0	0	0	2	Length X Width
TOTALS		103	<1	2	2	15	84	

4. **Cruisers and Cruise Dates:**

Area 1 was cruised by Derek Bangs, John Choate, and Dave Rygell on 9/10/15. Area 2 was cruised by Nick Haile, Derek Bangs, Jon Long, Dave Rygell, John Choate, Bryce Rogers, Ed Holloran, Andrew Arvin, and Kevin Berry on 09/11/15.

5. **Cruise Method and Computation:**

Area 1 was variable plot cruised using a 33.6 BAF. These plots are located on a 3 chain by 4 chain grid, with every third plot measured and graded. A total of 29 plots were sampled, with 10 measured and graded plots, and 19 count plots (one hemlock tree was graded on a count plot due to the low number of sample hemlock trees).

Area 2 was variable plot cruised using a 33.6 BAF for hardwood trees and a 54.4 BAF for conifer trees. These plots are located on a 2 chain by 3 chain grid, with every other plot measured and graded. A total of 72 plots were sampled, with 36 measured and graded plots, and 36 count plots (one spruce tree was measured on a count plot due to the low number of sample spruce trees).

Area 4 (Right-of-Way) was not cruised but the cruise for Area 2 was applied to the right-of-way acres to generate the volume for this area.

Data was collected on Juniper Allegro data collectors, and downloaded to the Atterbury Super A.C.E. program in District for computing. See the attached Cruise Design for more details on the cruise method. The cruise calculations were processed in the Astoria district office.

AREA	CRUISE	TRACT	TYPE	ACRES
Area 1	HOMESORT	AREA1	TAKE	35
Area 2	HOMESORT	AREA2	TAKE	47
Area 3	HOMESORT	ROW	ROW	2

6. Timber Description:

Area 1 is an "auto-mark" thinning (SDI 35) of second growth Douglas-fir approximately 35 years of age. The "biggest and best" trees were recorded as "leave" trees to meet a target residual basal area of 135 ft²/acre. The average Douglas-fir tree size to be harvested is 12.7 inches DBH, with an average height of 53 feet to a merchantable top (7 inch d.o.b.). The average hemlock tree size is 11.8 inches DBH and 37 feet to a merchantable top (7 inch d.o.b.). The net volume per acre to be harvested is 5.8 MBF. There are minor amount of western redcedar, Sitka Spruce, red alder and bigleaf maple that will be reserved.

Area 2 is a modified clearcut unit, approximately 64 years-old for the hardwood and an age range of 40 to 114 years old for the conifer, consisting of Douglas-fir and red alder and with minor amounts of western hemlock and spruce. The average Douglas-fir tree size to be harvested is 21.6 inches DBH, with an average height of 69 feet to a merchantable top (7 inch d.o.b. or 40% of diameter outside bark at a 16 foot form point) The average red alder tree size 15.1 inches DBH and 47 feet to a merchantable top (7 inch d.o.b.). The net volume per acre to be harvested is 23.8 MBF.

Area 3 (Right-of-Way) totals six acre of in-sale right-of-way. The timber type is similar to Area 2, therefore the cruise from this area was applied to these acres. The average volume per acre to be harvested is 28.9 MBF.

7. Statistical Analysis and Stand Summary

Statistics for Stand B.F. volumes

Area	Estimated CV	Target SE%	Actual CV	Actual SE%
1 (PC)	30%	7.0%	38.7%	7.3%
2 (MC)	69%	9.0%	65.2%	7.7%

8. Volumes by Species and Log Grade: (See "Species, Sort, Grade" - Project Report, attached).

Volumes by Species and Grade for All Sale Areas: (MBF) Volumes do not include "in-growth."

Species	DBH	Net Vol.	2 Saw	3 Saw	4 Saw	% D & B	% Sale
Douglas-fir	16"	665	258	348	58	2.7	49%
Western Hemlock	17"	268	156	94	18	7.5	19%
TOTALS		933	414	442	76		68%

Species	DBH	Net Vol.	12"+	10"-11"	8"-9"	6"-7"	% D & B	% Sale
Red Alder	15"	428	149	93	83	103	8.7	31%
Big Leaf Maple (Included in Pulp Vol.)	14"	19			19		5.4	1%

TOTAL NET SAWLOG VOLUME	1,361
--------------------------------	--------------

Sort breakdown:

Sort #	Species	Sort Specifications	Net MBF	Sale %
1	DF	6"-11" Sawlogs	239	18
2	DF	12"-20" Sawlogs	169	12
3	DF	21"+ Sawlogs	257	19
5	WH/fir	6"-11" Sawlogs	84	6
6	WH/fir	12"+ Sawlogs	184	14
7	RA	6"+ Sawlogs	428	31
8	Pulp	2"+ Pulp	Tons	n/a

Surface characteristics for a high quality log sort will have well scattered sound tight knots not to exceed 2" in diameter and may include logs with two larger knots, not to exceed 2½" in diameter. Knots of ¾ and less in diameter will not be a determining factor. Logs will have a ring count of 4 or more per inch in the outer third top end of the log.

Pulp Volume:

Species	Net Tons
All	1,118

*Pulp volume is based on approximately 10% of the saw log volume from Area 2 and all maple.

9. Approvals:

Prepared by: Derek Bangs Date: 09/30/2015

Unit Forester Approval:  Date: 9/30/15

10. Attachments:

- Cruise Design and Map - 7 pages
- Volume Reports - 4 pages
- Statistics Reports - 6 pages
- Log Stock Tables - 3 pages
- Stand Table Summary – 2 pages

**CRUISE DESIGN
ASTORIA DISTRICT**

Sale Name: Homesteader Sorts **Area** 1

Harvest Type: (PC) "Partial Cut"

Approx. Cruise Acres: 35 **Estimated CV%** 30% Net BF **SE% Objective** 7 Net BF

Planned Sale Volume : 245 MBF **Estimated Sale Area Value/Acre:** \$2,450/Ac
(7 MBF/Ac.) (\$350/MBF)

A. Cruise Goals: (a) Grade minimum 45 conifer
(b) Sample 29 cruise plots (10 grade/ 19 count); (c) Other goals (X Determine "automark" thinning standards; X Determine log grades for sale value; X Determine snag and leave tree species and sizes.

B. Cruise Design:

- 1. Plot Cruises:** BAF 33.61 (Full point; Half point) (circle one)
Cruise Line Direction(s): AZ= 45°
Cruise Line Spacing 4 (chains)
Cruise Plot Spacing 3 (chains)
Grade/Count Ratio 1/2

The BA target is 135 sqft. Leave 4 trees every plot. Alder and Cedar do not count towards the Basal Area. Record all hardwood as camp run. Record all cedar and hardwoods as leave trees. Record all snags as SN and estimate total height and diameter on grade plots. If plot lands in buffer then offset at least 1/2 chain outside the buffer.

C. Tree Measurements:

- 1. Diameter:** Minimum DBH to cruise is 8" for conifers and 10" for hardwoods. Record dbh to nearest 1/2" for trees < 16", to nearest 1" for trees 16-24", and to nearest 2" for trees > 24". If tree diameters are estimated (only estimate on variable plot cruises), then record to closest estimate.
- 2. Bole Length:** Record bole length to nearest foot at TCD. For trees greater than 100 feet in merchantable height, estimating to the nearest 5 feet is acceptable.
- 3. Top Cruise Diameter (TCD):** Minimum top outside bark is 7" for conifers and 7" for hardwoods or 40 % of dob at 16' form point. Generally, use 7" outside bark for trees < 18" dbh and 40% of dob @ FP for trees > 18" dbh.
- 4. Form Factors:** (1) Measure or estimate a 16' form factor for every conifer tree measured/graded; OR (2) Measure a minimum of 20 form factors for each major conifer species on the cruise area, and use these to calculate average FF for the species on the cruise. Hardwood form factors are a Standard 87.

5. **Tree Segments:** Record log segments in "standard" log lengths in general use, such as 32' and 40' lengths, whenever possible. Do not record odd segments just to maximize grade. Cull segments can be any length. For conifers, minimum merchantable segment length is 12'; for hardwoods, it's 8'. Maximum segment length is 40'. One foot of trim is assumed for each merch. segment. Do not use "double dash" (--) feature on the data recorder except for the top segment of the tree.

6. **Species, Sort, and Grade Codes:**

- A. **Species:** Record as D (Douglas-fir); H (Western hemlock); S (Sitka Spruce); C (Western red cedar); NF (Noble fir); SF (Silver fir); A (Red alder); M (Bigleaf maple). For "leave trees" in partial cuts, or for marked "wildlife trees," add an "L" to the species code (such as DL, HL, CL, etc.)
- B. **Sort:** Use code "1" (Domestic).
- C. **Grade:** A = 1 Peeler; B = 2 Peeler; C = 3 Peeler; D = Special Mill; 2 = 2 Sawmill; 3 = 3 Sawmill; 4 = 4 Sawmill; R = Camprun; 0 = Cull

7. **Deductions:** Estimate visible defect or damage as a "length deduction" (most often), or as a "diameter deduction," as applicable. Estimate hidden defect and breakage (usually some breakage is encountered in trees > 100 feet in height) on a "per tree" basis. Steep and broken topography generally results in higher breakage percentages than gentler topography, and hemlock generally breaks more than D-fir and spruce.

8. **Standard Field Procedures: Plot Type Cruises:** Mark cruise line beginning and end points with blue/yellow flagging. Write plot identification numbers and line direction on the ribbon. At each plot, tie yellow flagging above eye level near plot center and another yellow flagging around a sturdy wooden stake marking plot center. On each yellow flagging, write the plot identification number. Between plots, along the cruise line, tie blue flagging at inter-visible points, not to exceed 100' apart. On "measure/grade" plots write the tree number and/or tree diameter on at least the first measured tree (clockwise from the line direction) in yellow paint. All trees on the plot may be marked this way, if the cruiser chooses.

9. **Cruising Equipment:** Relaskop, Rangefinder, Logger's Tape (with dbh on back) Biltmore Stick, Compass, Cruise Cards in Tatum OR Data Recorder, Cruise Design, Cruise Map, Yellow Flagging, Blue Flagging, Yellow Paint.

10. **Attachments:** A. Cruise Map (showing cruise unit boundaries, roads, streams, approx. acres/unit, cruise lines and plot locations, legal description and section lines, BAF or plot size, measure/count plot ratio, north arrow, and scale.

Cruise Design by: Derek Bangs
Approved by: [Signature] 9/10/15
Date: 9/09/2015

Cruise Map Homesteader Sorts

Portions of Section 13,
TSN, R7W W.M., Clatsop County

Area 1 (PC) = 35 Ac.

Area 2 (MC) = 46 Ac.

Approximate Scale: 1" = 500'

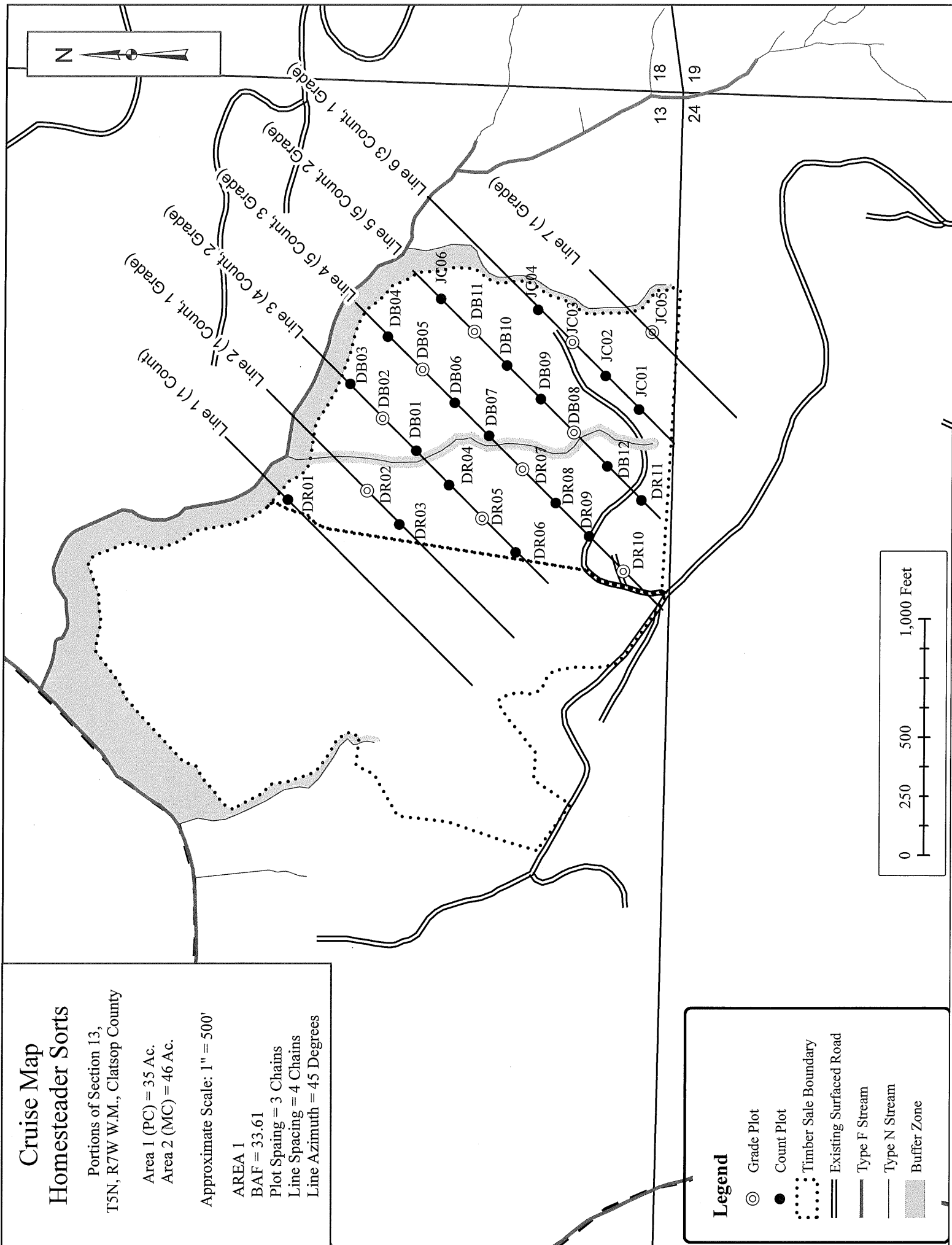
AREA 1

BAF = 33.61

Plot Spacing = 3 Chains

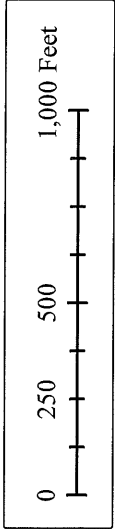
Line Spacing = 4 Chains

Line Azimuth = 45 Degrees



Legend

- ⊙ Grade Plot
- Count Plot
- ⋯ Timber Sale Boundary
- == Existing Surfaced Road
- Type F Stream
- - - Type N Stream
- Buffer Zone



**CRUISE DESIGN
ASTORIA DISTRICT**

Sale Name: Homesteader Sort

Area 2

Harvest Type: Modified Clearcut

Approx. Cruise Acres: 47 **Estimated CV%** 69 Net BF or BA/Acre **SE% Objective** 9

Planned Sale Volume: 1,551 **Estimated Sale Area Value/Acre:** \$ 11,550

A. Cruise Goals: (: (a) Grade minimum 50 conifer and 75 hardwood trees
(b) Sample 73 cruise plots (37 grade/ 36 count); (c) Other goals (Determine
"automark" thinning standards; X Determine log grades for sale value; X
Determine snag and leave tree species and sizes.

B.

C. Cruise Design:

- 1. Plot Cruises:** BAF 33.6 (for Alder) & 54.4 (for Conifer) (Full point)
Cruise Line Direction(s) (North/South) 90' Az
Cruise Line Spacing 3 chains
Cruise Plot Spacing 2 chains
Grade/Count Ratio 1:1

Grade trees as per attached sheet. Record all cedar as leave. Record all snags as SN and record diameter & total height on grade plots only. If plot lands in buffer then offset at least 1/2 chain outside the buffer.

D. Tree Measurements:

- 1. Diameter:** Minimum DBH to cruise is 8" for conifers and 10" for hardwoods. Record dbh to nearest 1/2" for trees < 16", to nearest 1" for trees 16-24", and to nearest 2" for trees > 24". If tree diameters are estimated (only estimate on variable plot cruises), then record to closest estimate.
- 2. Bole Length:** Record bole length to nearest foot at TCD. For trees greater than 100 feet in merchantable height, estimating to the nearest 5 feet is acceptable.
- 3. Top Cruise Diameter (TCD):** Minimum top outside bark is 7" or 40% of dob at 16' form point. Generally, use 7" outside bark for trees < 18" dbh and 40% of dob @ FP for trees > 18" dbh.
- 4. Form Factors:** (1) Measure or estimate a 16' form factor for every conifer tree measured/graded; OR (2) Measure a minimum of 20 form factors for each major conifer species on the cruise area, and use these to calculate average FF for the species on the cruise. Hardwood form factors are a Standard 87

5. **Tree Segments:** Record log segments in "standard" log lengths in general use, such as 32' and 40' lengths, whenever possible. Do not record odd segments just to maximize grade. Cull segments can be any length. For conifers, minimum merchantable segment length is 12'; for hardwoods, it's 8'. Maximum segment length is 40'. One foot of trim is assumed for each merch. segment. Do not use "double dash" (--) feature on the data recorder except for the top segment of the tree.
6. **Species, Sort, and Grade Codes:** A. Species: Record as D (Douglas-fir); H (Western hemlock); S (Sitka Spruce); C (Western red cedar); NF (Noble fir); SF (Silver fir); A (Red alder); M (Bigleaf maple); DL(Douglas-fir over 30"dbh); HL(Western hemlock over 30" dbh); SL(Sitka spruce over 30" dbh); CL (Western red cedar over 30" dbh); NFL (Noble fir over 30" dbh); SFL (Silver fir over 30" dbh)
B. Sort: Use code "1" (Domestic).
C. Grade: A = 1 Peeler; B = 2 Peeler; C = 3 Peeler; D = Special Mill; 2 = 2 Sawmill; 3 = 3 Sawmill; 4 = 4 Sawmill; R = Camp Run; 0 = Cull
7. **Deductions:** Estimate visible defect or damage as a "length deduction" (most often), or as a "diameter deduction," as applicable. Estimate hidden defect and breakage (usually some breakage is encountered in trees > 100 feet in height) on a "per tree" basis. Steep and broken topography generally results in higher breakage percentages than gentler topography, and hemlock generally breaks more than D-fir and spruce.
8. **Standard Field Procedures:** Plot Type Cruises: Mark cruise line beginning and end points with blue/yellow flagging. Write plot identification numbers and line direction on the ribbon. At each plot, tie yellow flagging above eye level near plot center and another yellow flagging around a stake marking plot center. On each yellow flagging, write the plot identification number. Between plots, along the cruise line, tie blue flagging at intervisible points, not to exceed 100' apart. On "measure/grade" plots write the tree number and/or tree diameter on at least the first measured tree (clockwise from the line direction) in yellow paint. All trees on the plot may be marked this way, if the cruiser chooses.
9. **Cruising Equipment:** Relaskop, Rangefinder, Logger's Tape (with dbh on back), Biltmore Stick, Compass, Cruise Cards in Tatum OR Data Recorder, Cruise Design, Cruise Map, Yellow Flagging, Blue Flagging
10. **Attachments:** A. Cruise Map (showing cruise unit boundaries, cruise lines and plot locations, legal description and section lines, BAF or plot size, measure/count plot ratio, north arrow, and scale.

Cruise Design by: Derek Bangs
Approved by: _____
Date: 9-18-2015

Cruise Map Homesteader Sorts

Portions of Section 13,
T5N, R7W W.M., Clatsop County

Area 1 (PC) = 35 Ac.
Area 2 (MC) = 46 Ac.

Approximate Scale: 1" = 500'

AREA 2

BAF= 33.61 (Alder) 54.4 (Conifer)

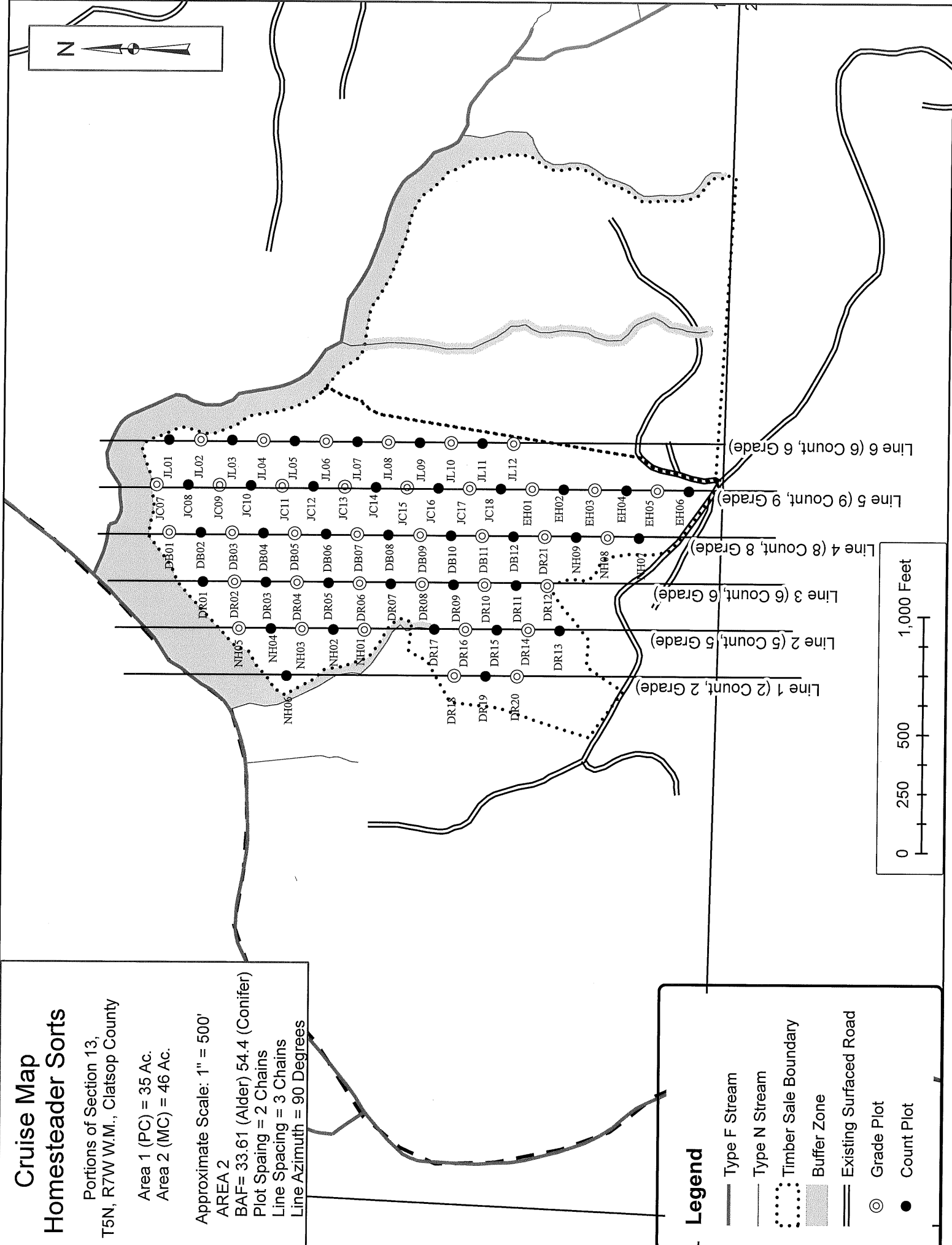
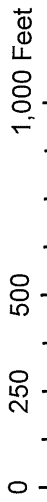
Plot Spacing = 2 Chains

Line Spacing = 3 Chains

Line Azimuth = 90 Degrees

Legend

- Type F Stream
- Type N Stream
- ⋯ Timber Sale Boundary
- Buffer Zone
- == Existing Surfaced Road
- ⊙ Grade Plot
- Count Plot



Species, Sort Grade - Board Foot Volumes (Project)

T05N R07W S13 TyTAKE	35.00
T05N R07W S13 TyTAKE	47.00
T05N R07W S13 TyROW	2.00

Project: HOMESORT
Acres 84.00

Page 1
Date 9/22/2015
Time 10:27:03AM

Spp	S T	So rt	Gr ad	% Net BdFt	Bd. Ft. per Acre			Total Net MBF	Percent of Net Board Foot Volume								Average Log				Logs Per /Acre		
					Def%	Gross	Net		Log Scale Dia.				Log Length				Ln Ft	Dia In	Bd Ft	CF/ Lf			
									4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99							
D	DOCU				100.0	82												7	12		0.00	2.2	
D	DO2S	38			1.0	3,112	3,080	259				32	68			10	90	39	17		533	2.90	5.8
D	DO3S	53			2.2	4,245	4,153	349			52	5	43	2	6	27	65	34	9		132	0.97	31.5
D	DO4S	9			1.7	700	688	58			100			24	53	23		25	6		34	0.41	20.2
D Totals		48			2.7	8,139	7,921	665			36	15	49	3	7	18	71	30	9		133	1.04	59.7
H	DOCU				100.0	119												8	18		0.00	1.1	
H	DO2S	58			3.5	1,922	1,855	156			5	24	71			6	94	40	17		528	3.00	3.5
H	DO3S	35			6.1	1,198	1,125	94			62	6	32	5	4	54	37	33	8		96	0.86	11.7
H	DO4S	7				218	218	18			100			67		25	7	19	6		28	0.51	7.9
H Totals		19			7.5	3,457	3,198	269			31	16	52	7	1	24	68	29	9		132	1.20	24.2
A	DOCU				100.0	367												18	14		0.00	3.4	
A	DO1S	34			1.5	1,794	1,768	148				76	24	3	43	54		34	14		244	1.82	7.3
A	DO2S	22			2.0	1,134	1,111	93			100			1	35	64		35	10		134	1.05	8.3
A	DO3S	19			2.0	998	977	82			100			9	30	62		33	9		82	0.82	12.0
A	DO4S	25				1,231	1,231	103			100			40	18	42		26	6		35	0.53	35.6
A Totals		31			7.9	5,524	5,087	427			65	27	8	13	33	55		29	8		76	0.82	66.5
M	DO3S	100			5.3	241	228	19			100					62	38	33	8		68	0.79	3.3
M Totals		1			5.3	241	228	19			100					62	38	33	8		68	0.79	3.3
S	DOCU				100.0	12												26	6		0.00	.4	
S Totals					100.0	12												26	6		0.00	.4	
Totals					5.4	17,372	16,434	1,380			45	19	36	7	15	14	65	29	9		107	0.96	154.2

T05N R07W S13 TTAKE T05N R07W S13 TTAKE
 Twp Rge Sec Tract Type Acres Plots Sample Trees CuFt BdFt
 05N 07W 13 AREA2 TAKE 47.00 72 150 1 W

Spp	So	Gr	% Net BdFt	Bd. Ft. per Acre			Total Net MBF	Percent Net Board Foot Volume								Average Log			Logs Per /Acre	
				Def%	Gross	Net		Log Scale Dia.				Log Length				Ln	Dia	Bd		CF/Lf
								4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99	Ft	In	Ft	Lf	
A	DO	CU		100.0	627											18	14		0.00	5.8
A	DO	1S	34	1.5	3,075	3,030	142		76	24		3	43	54		34	14	244	1.82	12.4
A	DO	2S	22	2.0	1,945	1,905	90	100				1	35	64		35	10	134	1.05	14.2
A	DO	3S	19	2.0	1,711	1,676	79	100				9	30	62		33	9	82	0.82	20.5
A	DO	4S	25		2,110	2,110	99	100				40	18	42		26	6	35	0.53	61.1
A	Totals		37	7.9	9,467	8,722	410	65	27	8		13	33	55		29	8	76	0.82	114.0
D	DO	CU		100.0	69											5	12		0.00	1.4
D	DO	2S	52	1.0	5,284	5,229	246		32	68			10	90		39	17	531	2.89	9.8
D	DO	3S	44	1.2	4,500	4,448	209	26	8	66		3	5	17	76	32	11	239	1.58	18.6
D	DO	4S	4		326	326	15	100				40	48	12		19	7	36	0.61	9.1
D	Totals		42	1.7	10,180	10,004	470	15	20	65		3	4	13	81	30	12	256	1.86	39.0
H	DO	CU		100.0	198											8	18		0.00	1.9
H	DO	2S	63	3.4	3,107	3,002	141		26	74			6	94		39	18	591	3.30	5.1
H	DO	3S	32	3.8	1,559	1,500	71	52	8	40		7	54	39		34	9	114	0.97	13.2
H	DO	4S	5		220	220	10	100				45	43	12		23	6	35	0.63	6.3
H	Totals		20	7.1	5,084	4,723	222	21	19	60		4	23	73		30	11	179	1.47	26.4
M	DO	3S	100	5.3	412	390	18	100				62	38			33	8	68	0.79	5.7
M	Totals		2	5.3	412	390	18	100				62	38			33	8	68	0.79	5.7
S	DO	CU		100.0	21											26	6		0.00	.7
S	Totals			100.0	21											26	6		0.00	.7
Type Totals					5.3	25,165	23,839	1,120	36	22	42	7	15	10	69	29	9	128	1.13	185.9

T05N R07W S13 TROW **T05N R07W S13 TROW**
 Twp Rge Sec Tract Type Acres Plots Sample Trees CuFt BdFt
 05N 07W 13 ROW ROW 2.00 72 158 1 W

Spp	So rt	Gr ad	% Net BdFt	Bd. Ft. per Acre			Total Net MBF	Percent Net Board Foot Volume								Average Log			Logs Per /Acre	
				Def%	Gross	Net		Log Scale Dia.				Log Length				Ln Ft	Dia In	Bd Ft		CF/ Lf
								4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99					
A	DO	CU		100.0	698											18	14		0.00	6.1
A	DO	1S	34	1.5	3,075	3,030	6		76	24		3	43	54	34	14	244	1.82	12.4	
A	DO	2S	22	2.0	1,945	1,905	4	100				1	35	64	35	10	134	1.05	14.2	
A	DO	3S	19	2.0	1,690	1,656	3	100				7	30	62	33	9	83	0.82	20.0	
A	DO	4S	25		2,110	2,110	4	100				40	18	42	26	6	35	0.53	61.1	
A	Totals		30	8.6	9,518	8,701	17		65	27	8	13	33	55	29	8	76	0.82	113.8	
D	DO	CU		100.0	78										5	12		0.00	1.6	
D	DO	2S	45	.9	6,523	6,461	13		29	71				14	86	39	18	574	3.07	11.2
D	DO	3S	52	.8	7,630	7,572	15	18	6	76	3	4	11	82	33	12	320	2.00	23.7	
D	DO	4S	3		290	290	1	100				50	50		19	7	30	0.52	9.7	
D	Totals		50	1.4	14,520	14,322	29		12	16	72	3	3	12	82	30	12	310	2.13	46.3
H	DO	CU		100.0	337										8	21		0.00	2.0	
H	DO	2S	62	3.1	3,576	3,464	7		21	79				14	86	39	19	665	3.65	5.2
H	DO	3S	34	2.9	1,897	1,842	4	39	7	53	7		41	52	34	9	144	1.14	12.8	
H	DO	4S	4		205	205	0	100				45		43	23	6	35	0.63	5.8	
H	Totals		19	8.4	6,015	5,511	11		17	15	68	4		24	72	30	11	214	1.69	25.8
M	DO	3S	100	5.3	412	390	1	100					62	38	33	8	68	0.79	5.7	
M	Totals		1	5.3	412	390	1	100					62	38	33	8	68	0.79	5.7	
S	DO	CU		100.0	21										26	6		0.00	.7	
S	Totals			100.0	21										26	6		0.00	.7	
Type Totals				5.1	30,486	28,924	58		30	19	51	6	12	10	71	29	10	150	1.26	192.3

TC PSTATS			PROJECT STATISTICS							PAGE	1	
			PROJECT	HOMESORT				DATE	9/22/2015			
TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt		
05N	07	13	AREA1	TAKE		84.00	173	706	1	W		
05N	07W	13	AREA2	TAKE								
05N	07W	13	ROW	ROW								
			PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES					
TOTAL			173	706	4.1							
CRUISE			82	329	4.0	8,077	4.1					
DBH COUNT												
REFOREST												
COUNT			82	369	4.5							
BLANKS			9									
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			202	43.4	15.1	47	13.8	53.7	5,524	5,087	1,648	1,550
DOUG FIR			77	33.2	16.0	58	11.6	46.6	8,139	7,921	1,916	1,899
WHEMLOCK			42	15.8	16.9	46	6.0	24.5	3,457	3,198	853	832
BL MAPLE			6	3.3	13.9	42	0.9	3.5	241	228	87	87
S SPRUCE			2	.4	14.0	26	0.1	.4	12		7	
TOTAL			329	96.2	15.7	50	32.5	128.8	17,372	16,434	4,511	4,368
CONFIDENCE LIMITS OF THE SAMPLE												
68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR												
CL	68.1	COEFF	SAMPLE TREES - BF				# OF TREES REQ.		INF. POP.			
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15			
R ALDER			90.0	6.3	155	165	175					
DOUG FIR			120.1	13.7	1,409	1,632	1,856					
WHEMLOCK			120.8	18.6	697	857	1,017					
BL MAPLE			25.6	11.4	62	70	78					
S SPRUCE												
TOTAL			200.7	11.1	528	594	660	1,608	402	179		
CL	68.1	COEFF	TREES/ACRE				# OF PLOTS REQ.		INF. POP.			
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15			
R ALDER			194.2	14.8	37	43	50					
DOUG FIR			244.4	18.6	27	33	39					
WHEMLOCK			314.3	23.9	12	16	20					
BL MAPLE			631.2	47.9	2	3	5					
S SPRUCE			1262.4	95.9	0	0	1					
TOTAL			124.4	9.4	87	96	105	618	154	69		
CL	68.1	COEFF	BASAL AREA/ACRE				# OF PLOTS REQ.		INF. POP.			
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15			
R ALDER			166.6	12.7	47	54	60					
DOUG FIR			206.4	15.7	39	47	54					
WHEMLOCK			261.6	19.9	20	25	29					
BL MAPLE			630.9	47.9	2	4	5					
S SPRUCE			1262.4	95.9	0	0	1					
TOTAL			106.6	8.1	118	129	139	453	113	50		
CL	68.1	COEFF	NET BF/ACRE				# OF PLOTS REQ.		INF. POP.			
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15			
R ALDER			172.2	13.1	4,422	5,087	5,753					
DOUG FIR			218.5	16.6	6,606	7,921	9,236					
WHEMLOCK			272.4	20.7	2,536	3,198	3,859					
BL MAPLE			631.2	47.9	119	228	337					
S SPRUCE												
TOTAL			122.7	9.3	14,901	16,434	17,966	602	150	67		

TC TSTATS				STATISTICS				PAGE 1		
				PROJECT HOMESORT				DATE 9/22/2015		
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
05N	07W	13	AREA1	00PC	35.00	29	166	1	W	
				TREES	ESTIMATED	PERCENT				
				PER PLOT	TOTAL	SAMPLE				
		PLOTS	TREES		TREES	TREES				
TOTAL		29	166	5.7						
CRUISE		11	62	5.6	5,837		1.1			
DBH COUNT										
REFOREST										
COUNT		18	98	5.4						
BLANKS										
100 %										
STAND SUMMARY										
	SAMPLE	TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET
	TREES	/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC
DOUGLEAV	35	81.2	15.8	59	27.7	110.1	12,495	12,075	3,704	3,655
DOUG FIR	16	54.9	12.7	53	13.6	48.7	5,083	4,808	1,512	1,489
HEMLEAV	4	8.0	18.6	62	3.5	15.1	1,879	1,867	538	538
WHEMLOCK	5	15.1	11.8	37	3.4	11.6	1,125	1,031	330	330
SNAG	1	2.2	17.0	55	0.8	3.5				
ALDRLEAV	1	5.3	11.0	30	1.0	3.5	316	158	74	47
TOTAL	62	166.8	14.5	54	50.4	192.4	20,897	19,939	6,157	6,060
CONFIDENCE LIMITS OF THE SAMPLE										
68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR										
CL: 68.1 %	COEFF	SAMPLE TREES - BF				# OF TREES REQ.		INF. POP.		
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
DOUGLEAV	43.2	7.3	165	178	191					
DOUG FIR	30.1	7.8	85	92	99					
HEMLEAV	37.9	21.6	212	270	328					
WHEMLOCK	72.7	36.1	63	98	133					
SNAG										
ALDRLEAV										
TOTAL	57.5	7.3	139	150	161	132	33	15		
CL: 68.1 %	COEFF	TREES/ACRE				# OF PLOTS REQ.		INF. POP.		
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
DOUGLEAV	41.0	7.7	75	81	87					
DOUG FIR	101.5	19.2	44	55	65					
HEMLEAV	202.2	38.2	5	8	11					
WHEMLOCK	235.0	44.4	8	15	22					
SNAG	299.6	56.6	1	2	3					
ALDRLEAV	299.6	56.6	2	5	8					
TOTAL	38.9	7.4	155	167	179	63	16	7		
CL: 68.1 %	COEFF	BASAL AREA/ACRE				# OF PLOTS REQ.		INF. POP.		
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
DOUGLEAV	32.5	6.1	103	110	117					
DOUG FIR	105.3	19.9	39	49	58					
HEMLEAV	194.0	36.6	10	15	21					
WHEMLOCK	209.1	39.5	7	12	16					
SNAG	299.6	56.6	2	3	5					
ALDRLEAV	299.6	56.6	2	3	5					
TOTAL	33.3	6.3	180	192	204	46	11	5		
CL: 68.1 %	COEFF	NET BF/ACRE				# OF PLOTS REQ.		INF. POP.		
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
DOUGLEAV	37.3	7.0	11,225	12,075	12,924					
DOUG FIR	110.5	20.9	3,805	4,808	5,810					
HEMLEAV	194.9	36.8	1,180	1,867	2,554					
WHEMLOCK	194.0	36.6	653	1,031	1,409					

STATISTICS
PROJECT HOMESORT

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
05N	07W	13	AREA1	00PC	35.00	29	166	1	W
CL: 68.1%		COEFF		NET BF/ACRE			# OF PLOTS REQ.		INF. POP.
SD: 1.0		VAR.	S.E.%	LOW	AVG	HIGH	5	10	15
SNAG									
ALDRLEAV		299.6	56.6	69	158	247			
TOTAL		38.7	7.3	18,481	19,939	21,396	62	15	7

TC TSTATS				STATISTICS				PAGE 1		
				PROJECT HOMESORT		DATE 9/22/2015				
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
05N	07W	13	AREA1	TAKE	35.00	29	52	1	W	
				TREES	ESTIMATED TOTAL	PERCENT SAMPLE				
				PER PLOT	TREES	TREES				
TOTAL		29	52	1.8						
CRUISE		8	21	2.6	2,453	.9				
DBH COUNT										
REFOREST										
COUNT		12	29	2.4						
BLANKS		9								
100 %										
STAND SUMMARY										
SAMPLE TREES		TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
DOUG FIR		16	54.9	12.7	53	13.6	48.7	5,033	4,758	1,505
WHEMLOCK		5	15.1	11.8	37	3.4	11.6	1,125	1,018	330
TOTAL		<i>21</i>	<i>70.1</i>	<i>12.6</i>	<i>50</i>	<i>17.0</i>	<i>60.3</i>	<i>6,158</i>	<i>5,776</i>	<i>1,834</i>
CONFIDENCE LIMITS OF THE SAMPLE										
68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR										
CL: 68.1 %		COEFF		SAMPLE TREES - BF			# OF TREES REQ.		INF. POP.	
SD: 1.0		VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
DOUG FIR		30.0	7.7	84	91	98				
WHEMLOCK		70.1	34.8	63	96	129				
TOTAL		<i>41.7</i>	<i>9.3</i>	<i>83</i>	<i>92</i>	<i>100</i>	<i>73</i>	<i>18</i>	<i>8</i>	
CL: 68.1 %		COEFF		TREES/ACRE			# OF PLOTS REQ.		INF. POP.	
SD: 1.0		VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
DOUG FIR		101.5	19.2	44	55	65				
WHEMLOCK		235.0	44.4	8	15	22				
TOTAL		<i>90.5</i>	<i>17.1</i>	<i>58</i>	<i>70</i>	<i>82</i>	<i>339</i>	<i>85</i>	<i>38</i>	
CL: 68.1 %		COEFF		BASAL AREA/ACRE			# OF PLOTS REQ.		INF. POP.	
SD: 1.0		VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
DOUG FIR		105.3	19.9	39	49	58				
WHEMLOCK		209.1	39.5	7	12	16				
TOTAL		<i>91.1</i>	<i>17.2</i>	<i>50</i>	<i>60</i>	<i>71</i>	<i>343</i>	<i>86</i>	<i>38</i>	
CL: 68.1 %		COEFF		NET BF/ACRE			# OF PLOTS REQ.		INF. POP.	
SD: 1.0		VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
DOUG FIR		110.6	20.9	3,765	4,758	5,751				
WHEMLOCK		194.5	36.7	644	1,018	1,392				
TOTAL		<i>96.8</i>	<i>18.3</i>	<i>4,720</i>	<i>5,776</i>	<i>6,831</i>	<i>387</i>	<i>97</i>	<i>43</i>	

TC TSTATS				STATISTICS				PAGE	1	
				PROJECT	HOMESORT			DATE	9/22/2015	
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
05N	07W	13	AREA1	LEAV	35.00	29	114	1	W	
				TREES	ESTIMATED	PERCENT				
				PER PLOT	TOTAL	SAMPLE				
					TREES	TREES				
TOTAL		29	114	3.9						
CRUISE		10	41	4.1	3,384		1.2			
DBH COUNT										
REFOREST										
COUNT		19	73	3.8						
BLANKS										
100 %										
STAND SUMMARY										
	SAMPLE	TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET
	TREES	/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC
DOUGLEAV	35	81.2	15.8	59	27.7	110.1	12,495	12,075	3,704	3,655
HEMLEAV	4	8.0	18.6	62	3.5	15.1	1,879	1,867	538	538
ALDRLEAV	1	5.3	11.0	30	1.0	3.5	316	158	74	47
SNAG	1	2.2	17.0	55	0.8	3.5				
TOTAL	41	96.7	15.8	57	33.2	132.1	14,690	14,100	4,315	4,241
CONFIDENCE LIMITS OF THE SAMPLE										
68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR										
CL: 68.1 %	COEFF	SAMPLE TREES - BF					# OF TREES REQ.		INF. POP.	
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
DOUGLEAV	43.2	7.3	165	178	191					
HEMLEAV	37.9	21.6	212	270	328					
ALDRLEAV										
SNAG										
TOTAL	49.9	7.8	165	179	193	100	25	11		
CL: 68.1 %	COEFF	TREES/ACRE					# OF PLOTS REQ.		INF. POP.	
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
DOUGLEAV	41.0	7.7	75	81	87					
HEMLEAV	202.2	38.2	5	8	11					
ALDRLEAV	299.6	56.6	2	5	8					
SNAG	299.6	56.6	1	2	3					
TOTAL	31.8	6.0	91	97	103	42	10	5		
CL: 68.1 %	COEFF	BASAL AREA/ACRE					# OF PLOTS REQ.		INF. POP.	
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
DOUGLEAV	32.5	6.1	103	110	117					
HEMLEAV	194.0	36.6	10	15	21					
ALDRLEAV	299.6	56.6	2	3	5					
SNAG	299.6	56.6	2	3	5					
TOTAL	22.5	4.2	127	132	138	21	5	2		
CL: 68.1 %	COEFF	NET BF/ACRE					# OF PLOTS REQ.		INF. POP.	
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
DOUGLEAV	37.3	7.0	11,225	12,075	12,924					
HEMLEAV	194.9	36.8	1,180	1,867	2,554					
ALDRLEAV	299.6	56.6	69	158	247					
SNAG										
TOTAL	25.2	4.8	13,429	14,100	14,771	26	7	3		

TC TSTATS				STATISTICS				PAGE	1	
				PROJECT	HOMESORT		DATE	9/22/2015		
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
05N	07W	13	AREA2	TAKE	47.00	72	315	1	W	
				TREES	ESTIMATED	PERCENT				
				PER PLOT	TOTAL	SAMPLE				
					TREES	TREES				
TOTAL	72	315	4.4							
CRUISE	37	150	4.1		5,390		2.8			
DBH COUNT										
REFOREST										
COUNT	35	162	4.6							
BLANKS										
100 %										
STAND SUMMARY										
	SAMPLE	TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET
	TREES	/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC
R ALDER	101	74.4	15.1	47	23.7	92.0	9,467	8,722	2,825	2,658
DOUG FIR	28	17.6	21.6	69	9.6	44.6	10,180	10,004	2,177	2,164
WHEMLOCK	17	16.2	19.5	52	7.6	33.6	5,084	4,723	1,220	1,185
BL MAPLE	3	5.7	13.9	42	1.6	6.1	412	390	149	149
S SPRUCE	1	.7	14.0	26	0.2	.8	21		13	
TOTAL	150	114.7	16.8	50	43.2	177.0	25,165	23,839	6,383	6,156
CONFIDENCE LIMITS OF THE SAMPLE										
68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR										
CL: 68.1 %	COEFF	SAMPLE TREES - BF					# OF TREES REQ.		INF. POP.	
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
R ALDER	90.1	9.0	150	165	180					
DOUG FIR	103.4	19.9	1,399	1,747	2,094					
WHEMLOCK	117.9	29.4	563	798	1,033					
BL MAPLE	28.6	19.8	56	70	84					
S SPRUCE										
TOTAL	196.8	16.1	444	529	614	1,546	387	172		
CL: 68.1 %	COEFF	TREES/ACRE					# OF PLOTS REQ.		INF. POP.	
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
R ALDER	107.8	12.7	65	74	84					
DOUG FIR	226.8	26.7	13	18	22					
WHEMLOCK	224.3	26.4	12	16	21					
BL MAPLE	419.3	49.4	3	6	9					
S SPRUCE	848.5	99.9	0	1	1					
TOTAL	67.4	7.9	106	115	124	181	45	20		
CL: 68.1 %	COEFF	BASAL AREA/ACRE					# OF PLOTS REQ.		INF. POP.	
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
R ALDER	84.1	9.9	83	92	101					
DOUG FIR	180.1	21.2	35	45	54					
WHEMLOCK	192.5	22.7	26	34	41					
BL MAPLE	419.1	49.3	3	6	9					
S SPRUCE	848.5	99.9	0	1	2					
TOTAL	45.9	5.4	167	177	187	84	21	9		
CL: 68.1 %	COEFF	NET BF/ACRE					# OF PLOTS REQ.		INF. POP.	
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
R ALDER	89.1	10.5	7,807	8,722	9,637					
DOUG FIR	177.2	20.9	7,917	10,004	12,091					
WHEMLOCK	196.2	23.1	3,632	4,723	5,814					
BL MAPLE	419.3	49.4	198	390	583					
S SPRUCE										
TOTAL	65.2	7.7	22,007	23,839	25,670	170	42	19		

Log Stock Table - MBF

T05N R07W S13 TyTAKE	35.00
T05N R07W S13 TyTAKE	47.00
T05N R07W S13 TyROW	2.00

Project: HOMESORT
Acres 84.00

Spp	S T	So Gr rt 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	16-20	21-22	22-29	30-39	40+
H		DO 4S	32	5		5	1.7			5									
H		DO 4S	40	1		1	.5			1									
H		Totals		280	4.2	269	19.5			48	21	15	24	16	26	23	48	47	
A		DO 1S	20	5		5	1.2						2	3					
A		DO 1S	30	65	1.6	64	15.0					37	9	13	5				
A		DO 1S	38	5		5	1.2						5						
A		DO 1S	40	75	1.5	74	17.4					19	35	12	8				
A		DO 2S	18	1		1	.2				1								
A		DO 2S	30	35	5.6	33	7.7				33								
A		DO 2S	40	60		60	14.0				60								
A		DO 3S	20	7	1.5	7	1.6				7								
A		DO 3S	28	3		3	.7				3								
A		DO 3S	30	22	4.0	21	5.0				21								
A		DO 3S	40	51	1.4	51	11.8				51								
A		DO 4S	18	7		7	1.7				7								
A		DO 4S	20	35		35	8.1				35								
A		DO 4S	28	5		5	1.3				5								
A		DO 4S	30	13		13	3.0				13								
A		DO 4S	38	8		8	2.0				8								
A		DO 4S	40	35		35	8.3				35	1							
A		Totals		433	1.3	427	31.0			103	83	93	56	52	28	13			
M		DO 3S	30	13	8.3	12	62.0				12								
M		DO 3S	40	7		7	38.0				7								
M		Totals		20	5.3	19	1.4				19								
Total		All Species		1,410	2.1	1,380	100.0			253	237	132	114	99	158	41	178	168	1

TC		PSTNDSUM		Stand Table Summary							Page		1			
										Date:		9/22/2015				
T05N R07W S13 TyTAKE 35.00				Project				HOMESORT				Time:		10:26:33AM		
T05N R07W S13 TyTAKE 47.00				Acres				84.00				Grown Year:				
T05N R07W S13 TyROW 2.00																
S Spec	T	DBH	Sample Trees	FF 16'	Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals		
									Net Cu.Ft.	Net Bd.Ft.				Tons	Cunits	MBF
D		9	2	82	17	2.113	.93	2.11	5.0	20.0		11	42		9	4
D		10	1	82	90	2.324	1.27	2.32	17.0	60.0		40	139		33	12
D		11	3	84	95	5.762	3.80	9.60	12.0	44.0		115	423		97	35
D		12	1	89	69	1.614	1.27	1.61	19.0	60.0		31	97		26	8
D		13	6	84	95	6.513	6.00	11.65	16.6	55.8		194	651		163	55
D		14	5	84	86	4.430	4.74	7.99	18.7	56.6		149	452		125	38
D		15	6	85	76	4.892	6.00	6.69	26.3	78.1		176	522		148	44
D		16	2	86	71	.668	.93	1.34	18.5	65.0		25	87		21	7
D		19	6	84	101	1.422	2.80	3.32	32.4	108.6		108	360		90	30
D		20	2	85	132	.428	.93	1.28	37.7	140.0		48	180		41	15
D		23	4	87	132	.647	1.87	1.94	49.0	205.0		95	398		80	33
D		24	4	87	122	.594	1.87	1.49	57.0	228.0		85	339		71	28
D		27	2	86	175	.235	.93	.94	63.2	292.5		59	275		50	23
D		28	2	85	150	.218	.93	.44	101.0	480.0		44	210		37	18
D		31	2	82	179	.178	.93	.71	70.7	337.5		50	240		42	20
D		33	2	85	140	.157	.93	.47	104.7	503.2		49	237		41	20
D		35	2	81	153	.140	.93	.42	117.7	530.0		49	222		41	19
D		36	2	86	153	.132	.93	.40	130.0	640.0		51	254		43	21
D		39	2	87	182	.113	.93	.45	131.2	700.0		59	315		50	26
D		40	2	85	159	.107	.93	.43	125.7	657.5		54	281		45	24
D		43	2	89	146	.093	.93	.37	141.5	737.5		52	273		44	23
D		44	1	83	186	.004	.04	.02	166.8	900.0		3	14		2	1
D		46	4	85	166	.162	1.87	.65	172.9	923.7		112	598		94	50
D		47	1	81	179	.004	.04	.01	181.5	932.5		3	13		2	1
D		51	2	82	166	.066	.93	.20	267.3	1373.3		53	271		44	23
D		52	2	86	199	.063	.93	.25	255.0	1460.0		65	370		54	31
D		54	2	86	159	.059	.93	.18	300.3	1613.3		53	284		44	24
D		55	4	83	192	.062	1.02	.25	263.6	1452.5		65	359		55	30
D		60	1	86	179	.002	.04	.01	300.5	1815.0		3	16		2	1
D		Totals	77	84	90	33.202	46.63	57.53	33.0	137.7		1,899	7,921		1,595	665
A		8	4	87	39	3.046	1.06	3.05	6.0	20.0		18	61		15	5
A		9	2	87	50	1.203	.53	1.20	9.0	30.0		11	36		9	3
A		10	6	86	51	3.029	1.59	3.03	11.3	36.4		34	110		29	9
A		11	8	86	47	3.222	2.13	3.22	13.7	42.5		44	137		37	12
A		12	10	87	66	3.384	2.66	4.74	16.3	45.7		77	217		65	18
A		13	12	86	71	3.460	3.19	5.77	17.6	54.0		102	311		85	26
A		14	22	86	83	5.470	5.85	9.95	20.7	70.5		206	701		173	59
A		15	24	87	64	5.198	6.38	7.36	25.2	74.7		186	550		156	46
A		16	24	87	69	4.569	6.38	7.23	25.5	77.9		184	563		155	47
A		17	24	86	67	4.047	6.38	6.41	28.9	92.6		185	594		156	50
A		18	8	86	78	1.203	2.13	2.39	31.3	105.3		75	252		63	21
A		19	6	86	72	.810	1.59	1.62	34.2	110.0		55	178		46	15
A		20	16	87	66	1.949	4.25	3.17	38.9	131.5		123	417		104	35
A		21	4	86	89	.442	1.06	.88	48.5	170.0		43	150		36	13
A		22	6	86	49	.604	1.59	.60	50.3	190.0		30	115		26	10
A		23	2	87	78	.184	.53	.37	51.0	200.0		19	74		16	6
A		24	4	86	72	.338	1.06	.34	62.5	230.0		21	78		18	7
A		25	2	86	88	.156	.53	.31	65.5	235.0		20	73		17	6
A		26	2	87	71	.144	.53	.29	60.5	235.0		17	68		15	6
A		27	4	86	60	.267	1.06	.13	127.0	570.0		17	76		14	6
A		28	6	87	79	.373	1.59	.50	85.0	355.0		42	177		36	15
A		29	4	86	88	.232	1.06	.46	67.0	302.5		31	140		26	12
A		32	2	87	61	.095	.53	.10	81.0	90.0		8	9		6	1

TC PSTNDSUM		Stand Table Summary								Page	2				
										Date:	9/22/2015				
T05N R07W S13 TyTAKE 35.00		Project HOMESORT								Time:		10:26:33AM			
T05N R07W S13 TyTAKE 47.00		Acres 84.00								Grown Year:					
T05N R07W S13 TyROW 2.00															
S Spc T	Sample DBH	FF Trees	Tot		Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Net	Net	Totals		
			16'	Av Ht				Net Cu.Ft.	Net Bd.Ft.		Cu.Ft. Acre	Bd.Ft. Acre	Tons	Cunits	MBF
A	Totals	202	86	65	43.429	53.69	63.13	24.6	80.6		1,550	5,087		1,302	427
H	8	1	85	20	2.767	.97	2.77	5.0	20.0		14	55		12	5
H	11	2	85	68	1.912	1.15	1.91	16.0	60.0		31	115		26	10
H	13	4	85	74	3.343	3.08	5.64	17.3	51.5		97	290		82	24
H	14	3	86	42	1.979	2.12	2.88	14.8	39.4		43	114		36	10
H	15	2	85	54	.937	1.15	.94	32.0	60.0		30	56		25	5
H	18	5	85	66	1.848	3.27	3.04	28.8	82.9		88	252		74	21
H	19	2	88	90	.584	1.15	1.17	41.0	145.0		48	169		40	14
H	20	2	89	89	.527	1.15	1.05	41.0	145.0		43	153		36	13
H	23	2	89	87	.398	1.15	.80	54.5	210.0		43	167		36	14
H	26	2	86	100	.312	1.15	.62	80.0	305.0		50	190		42	16
H	30	2	85	80	.234	1.15	.23	115.0	670.0		27	157		23	13
H	31	2	88	91	.219	1.15	.44	106.5	405.0		47	178		39	15
H	33	2	83	69	.194	1.15	.19	146.0	550.0		28	106		24	9
H	35	2	86	138	.172	1.15	.52	124.3	660.0		64	341		54	29
H	41	2	85	141	.125	1.15	.38	178.0	826.7		67	311		56	26
H	44	2	89	116	.109	1.15	.33	178.3	943.3		58	308		49	26
H	45	1	85	116	.004	.04	.01	245.0	1105.0		2	9		2	1
H	47	2	83	103	.095	1.15	.19	255.5	1090.0		49	208		41	17
H	49	1	89	117	.003	.04	.01	220.7	1246.7		2	13		2	1
H	61	1	77	103	.002	.04	.00	259.0	1215.0		1	5		1	0
H	Totals	42	86	62	15.765	24.51	23.12	36.0	138.3		832	3,198		699	269
M	13	2	87	50	1.280	1.18	1.28	20.0	50.0		26	64		22	5
M	14	2	83	61	1.103	1.18	1.10	26.0	70.0		29	77		24	6
M	15	2	86	63	.961	1.18	.96	34.0	90.0		33	87		27	7
M	Totals	6	85	57	3.344	3.54	3.34	26.0	68.1		87	228		73	19
S	14	2	86	31	.412	.44									
S	Totals	2	86	31	.412	.44									
Totals		329	86	72	96.152	128.80	147.12	29.7	111.7		4,368	16,434		3,669	1,380