PRE-CRUISE NARRATIVE

Sale Name:	Rutsatz Pass	**Region:**	Northwest
App. #:	30- 072919	**District:**	Baker
Contact forester:	Chris Walker	**Phone/ location:**	360-592-2311
Alternate contact:	Doug Hooks	**Phone/ location:**	360-592-2311

UNIT ACREAGE AND METHOD OF DETERMINATION:

Unit #	Legal Descr. Sec/Twp/Rng	Grant	Gross acres	Net acres	Method of acreage determination (compass chain traverse, photo, declination used, etc)	Error of closure
1	34/38N/05E	10, 01	11.2	11.1	laser, compass, clinometer traverse	1:188
2	3/39N/05E	10	48.1	45.3	laser, compass, clinometer traverse	1:197
R/W	34/38N/05E	10	1.3	1.3	calculated	
Total			60.6	57.7		

HARVEST PLAN AND SPECIAL CONDITIONS:

Unit #	Harvest prescription: (mark leave, take, etc)	Special management areas:	Other conditions (# leave trees, etc.)
1	All timber is to be removed from within the timber sale boundary tags, excluding blue painted trees.	N/A	A total of 100 trees have been left throughout the unit as retention trees of which 0.1 acres is in a patch.
2	All timber is to be removed from within the timber sale boundary tags, excluding blue painted trees and trees within areas marked with yellow leave tree area tags.	N/A	A total of 394 trees have been left as retention trees of which 2.8 acres are in patches delineated by yellow leave tree area tags.
R/W	All timber is to be removed from within the right-of-way boundary tags.	N/A	N/A

OTHER PRE-CRUISE INFORMATION:

Unit #	Estimated Volume	Access information (Gates, locks, etc.)	Photos, traverse maps required
1	0.4 MMBF	Access is via the ND-1000 road off of Rutsatz Rd. There are no gates.	Timber Sale Boundary map
2	1.6 MMBF	Access is via the ND-1000 road off of Rutsatz Rd. There are no gates.	Timber Sale Boundary map
R/W	0.02 MMBF	Access is via the ND-1000 road off of Rutsatz Rd. There are no gates.	Road Plan map

REMARKS:

The timber sale boundary tags are marked with red and pink flagging and have silviculture tags at each traverse station.

Prepared by: Sharon Mazzucco

Title: Rutsatz Pass Timber Sale

Cruise Narrative

Sale Name:	Rutsatz Pass	**Region:**	NORTHWEST
App. #:	72919	**District:**	Baker
Lead cruiser:	Jim Past	**Completion date:**	10/16/01
Other cruisers on sale:	Mike Siverling		

Unit #	Cruised acres	Cruised acres agree with sale acres? Yes/No	If acres do not agree explain why.
1	12.4	No	added rt/wy acreage to unit
2	45.3	Yes	
Total	57.70		

Unit #	Sample type (VP, FP, ITS,100%)	Expansion factor (BAF, full/ half)	Sighting height (4.5 ft, 16 ft.)	Grid size (Plot spacing or % of area)	Plot ratio (cruise: count)	Total number of plots
1	vp	54.45	4.5	300x150	grade all	11
2	vp	54.45	4.5	300x150	diame-ters on every other plot	40

Minor species cruise intensity:	cruised all minor species					
Minimum cruise spec:	DIAMETER:8" TOP:6" OR 40% OF DBH 16'LOGS					
Avg ring count by sp:	**DF** =	8-9	**WH** =	9-10	**SS** =	
Leave/take tree description:	U-1 BLUE MARKED TREES. U-2 LEAVE TREE AREAS AND BLUE MARKED TREES					

Title: Jim Past Forest Cruiser

CC: Walter Parker

TC PSPCSTGR

Species Sort Grade - Board Foot Volumes (Project)

T38N R05E S03 TyCC	45.30
T38N R05E S34 TyCC	12.40

Project: RUTSPS

Acres 57.70

Page 1
Date 11/6/2001
Time 12:20:12PM

Spp	S T	So rt	Gr ad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent of Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-30	31-35	36-99	Average Log Ln Ft	Bd Ft	CF/ Lf	Logs Per /Acre
RC	D	CU															29		0.00	6.7
RC	D	3S		12	16.4	3,981	3,326	192		37	16	46	4	9	87		26	118	1.56	28.2
RC	D	4S		1	4.9	253	241	14		100			62	34	4		16	20	0.46	12.1
RC	D	C4		0	39.7	39	24	1		100						100	37	36	1.15	.7
RC	**Totals**			13	16.0	4,273	3,591	207		42	15	43	8	11	81	1	24	76	1.10	47.5
BM	D	CU															15		0.00	15.9
BM	D	2S		3	21.6	1,201	941	54		7	23	70			100		32	271	2.66	3.5
BM	D	3S		4	27.5	1,464	1,062	61		74	26			4	96		32	90	1.15	11.8
BM	D	4S		3	24.3	1,066	807	47		99	1		47	7	46		21	31	0.55	26.3
BM	**Totals**			10	24.7	3,730	2,810	162		59	18	23	13	4	83		22	49	0.80	57.5
RA	D	2S		2	14.5	722	617	36		24	76				100		32	138	1.48	4.5
RA	D	3S		5	3.6	1,421	1,370	79		88	12			5	95		31	99	0.93	13.8
RA	D	4S		3	25.2	1,299	971	56		100			12	28	60		25	29	0.50	33.1
RA	**Totals**			10	14.0	3,441	2,958	171		79	21		4	12	84		27	58	0.73	51.4
DF	D	CU															21		0.00	.8
DF	D	SM		11		3,151	3,151	182				100			100		32	1053	6.00	3.0
DF	D	2S		32	1.9	9,230	9,058	523		6	25	69			100		32	368	2.25	24.6
DF	D	3S		13	.4	3,802	3,787	219		66	23	12	5	10	85		25	69	0.69	54.8
DF	D	4S		0		130	130	7		100					100		16	20	0.37	6.5
DF	**Totals**			56	1.1	16,312	16,125	930		20	19	61	1	2	97		26	180	1.41	89.6
WH	D	CU															26		0.00	3.4
WH	D	2S		3	18.5	1,216	992	57			70	30			100		32	231	1.82	4.3
WH	D	3S		5	2.3	1,344	1,313	76		90	4	6	13	11	75		23	47	0.52	27.7
WH	D	4S		0	21.7	141	110	6		100			42	58			23	20	0.31	5.4
WH	**Totals**			8	10.6	2,701	2,416	139		54	30	16	9	9	82		24	59	0.63	40.8
CW	D	1S		2		586	586	34			9	91			100		32	534	3.20	1.1
CW	D	4S		0		68	68	4		25	75			100			26	124	1.08	.5
CW	**Totals**			2		654	654	38		3	16	81		10	90		30	398	2.59	1.6
Totals					8.2	31,112	28,552	1,647		35	20	46	4	5	91	0	25	99	1.02	288.5

Deductions for green tree retention

RC	207	-	22	= 185
BM	162	-	3	= 159
RA	171	-	1	= 170
DF	930	-	94	= 836
WH	139	-	3	= 136
BC	38	-	0	= 38
	1,647		123	1,524

T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: RUTSPS

Date 11/6/2001
Time 12:20:14PM

T38N R05E S03 TCC

Twp	Rge	Sec	Tract	Typ	Acres	Plots	Sample Trees	CuFt	BdFt
38N	05E	03	U2	CC	45.30	40	184	S	W

T38N R05E S03 TCC

Spp	ST	Sort	Grade	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-30	31-35	36-99	Average Log Ln Ft	Bd Ft	CF/ Lf	Logs Per /Acre
DF		DM	SM	22		3,477	3,477	158				100			100		32	1203	6.89	2.9
DF		DM	2S	54	1.0	8,574	8,489	385		8	21	70			100		32	363	2.25	23.4
DF		DM	3S	22	.3	3,483	3,474	157		63	22	15	5	11	84		24	66	0.70	52.7
DF		DM	4S	1		165	165	7		00					100		16	20	0.37	8.3
DF		**Totals**		57	.6	15,699	15,606	707		20	16	64	1	2	96		26	179	1.45	87.2
RC		DM	CU														29		0.00	8.5
RC		DM	3S	92	14.7	3,847	3,282	149		44	17	39	4	10	86		26	103	1.39	31.9
RC		DM	4S	7	5.9	273	257	12		00			55	40	5		16	20	0.47	12.9
RC		DM	C4	1	39.7	50	30	1		00						00	37	36	1.15	.8
RC		**Totals**		13	14.4	4,170	3,569	162		48	16	36	7	12	80	1	24	66	0.98	54.0
RA		DM	2S	20	17.2	776	643	29		30	70				100		32	127	1.47	5.1
RA		DM	3S	46	3.5	1,557	1,502	68		86	14			6	94		31	96	0.92	15.7
RA		DM	4S	35	25.9	1,549	1,147	52		00			11	30	59		25	29	0.50	39.6
RA		**Totals**		12	15.2	3,883	3,293	149		80	20		4	13	83		27	55	0.72	60.4
BM		DM	CU														14		0.00	15.4
BM		DM	2S	26	30.4	719	500	23		17	19	64			100		32	199	2.27	2.5
BM		DM	3S	37	35.2	1,088	706	32		49	51				100		32	96	1.27	7.4
BM		DM	4S	37	31.1	1,027	708	32		99	1		40	4	56		23	31	0.56	22.8
BM		**Totals**		7	32.5	2,835	1,914	87		59	24	17	15	2	84		22	40	0.73	48.1
WH		DM	2S	39	5.6	902	852	39			66	34			100		32	279	1.89	3.1
WH		DM	3S	60	.7	1,309	1,301	59		87	5	8	15	7	78		22	48	0.55	27.2
WH		DM	4S	1		19	19	1		00			100				19	20	0.37	1.0
WH		**Totals**		8	2.6	2,231	2,172	98		53	29	18	10	4	86		23	70	0.73	31.2
CW		DM	1S	90		746	746	34			9	91			100		32	534	3.20	1.4
CW		DM	4S	10		86	86	4		25	75			100			26	124	1.08	.7
CW		**Totals**		3		832	832	38		3	16	81		10	90		30	398	2.59	2.1
Type Totals					7.6	29,651	27,386	1,241		35	18	46	4	5	91	0	25	97	1.02	283.0

Deductions for green tree retention

DF	707	-	82	= 625
RC	162	-	15	= 147
RA	149	-	1	= 148
BM	87	-	0	= 87
WH	98	-	2	= 96
BC	38	-	3	= 35
	1,241		103	1,138

TC TSTNDSUM

Stand Table Summary

Project RUTSPS

T38N R05E S03 TCC

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
38N	05E	03	U2	CC	45.30	40	184

T38N R05E S03 TCC
Page: 1
Date: 11/6/01
Time: 12:20:16PM

Spc	S T	DBH	Sample Trees	FF 16	Av Ht Tot	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Net Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
DF		11	2	86	58	4.125	2.72	8.25	5.7	20.0	1.35	47	165	61	21	7
DF		12	1	87	47	1.733	1.36	1.73	12.4	40.0	.61	22	69	28	10	3
DF		13	2	87	103	2.954	2.72	5.91	12.5	50.0	2.10	74	295	95	33	13
DF		14	5	87	85	6.367	6.81	15.28	11.2	43.3	4.86	171	662	220	77	30
DF		15	2	86	67	2.218	2.72	4.44	13.0	40.0	1.64	58	177	74	26	8
DF		16	2	87	90	1.950	2.72	3.90	19.2	75.0	2.13	75	292	97	34	13
DF		17	2	83	96	1.727	2.72	3.45	22.7	80.0	2.24	78	276	101	36	13
DF		18	1	86	92	.770	1.36	1.54	24.7	95.0	1.09	38	146	49	17	7
DF		19	3	85	100	2.074	4.08	5.53	22.6	85.0	3.57	125	470	162	57	21
DF		20	3	86	105	1.872	4.08	4.99	26.3	106.2	3.74	131	530	169	59	24
DF		21	1	83	105	.566	1.36	1.70	24.5	86.7	1.19	42	147	54	19	7
DF		22	1	86	121	.516	1.36	1.55	31.0	143.3	1.37	48	222	62	22	10
DF		23	1	82	109	.472	1.36	1.42	32.5	130.0	1.31	46	184	59	21	8
DF		24	1	82	112	.433	1.36	1.30	34.7	140.0	1.29	45	182	58	20	8
DF		25	2	86	106	.799	2.72	2.00	44.0	186.0	2.50	88	371	113	40	17
DF		26	2	82	116	.738	2.72	1.85	49.6	210.0	2.61	92	388	118	41	18
DF		27	2	86	167	.685	2.72	2.40	52.0	261.4	3.55	125	627	161	56	28
DF		28	2	83	120	.637	2.72	2.23	43.6	171.4	2.76	97	382	125	44	17
DF		31	3	82	127	.779	4.08	2.60	57.7	239.0	4.27	150	621	193	68	28
DF		33	1	86	195	.229	1.36	.92	78.8	455.0	2.06	72	417	93	33	19
DF		35	2	83	135	.407	2.72	1.63	65.2	307.5	3.03	106	501	137	48	23
DF		36	4	86	148	.770	5.45	2.50	92.3	500.8	6.58	231	1,254	298	105	57
DF		37	1	87	132	.182	1.36	.55	98.1	530.0	1.53	54	290	69	24	13
DF		38	4	87	166	.691	5.45	2.77	93.1	546.3	7.34	257	1,511	332	117	68
DF		39	2	87	155	.328	2.72	1.15	105.0	594.3	3.44	121	683	156	55	31
DF		40	2	83	146	.312	2.72	1.09	103.4	547.1	3.22	113	597	146	51	27
DF		41	2	82	148	.297	2.72	1.04	109.0	575.7	3.23	113	598	146	51	27
DF		42	1	86	146	.141	1.36	.42	137.7	763.3	1.67	58	324	75	26	15
DF		45	1	82	157	.123	1.36	.37	155.8	850.0	1.64	58	314	74	26	14
DF		46	1	82	159	.118	1.36	.35	162.2	903.3	1.64	57	320	74	26	14
DF		48	3	86	144	.325	4.08	.97	178.2	966.7	4.95	174	942	224	79	43
DF		49	1	86	147	.104	1.36	.31	189.1	1073.3	1.68	59	335	76	27	15
DF		50	2	83	168	.200	2.72	.60	200.2	1106.7	3.42	120	663	155	54	30
DF		52	1	87	120	.092	1.36	.28	180.9	956.7	1.43	50	265	65	23	12
DF		60	1	82	190	.069	1.36	.21	303.3	1846.7	1.80	63	384	81	29	17
DF		Totals	67	86	97	35.806	91.20	87.21	37.3	178.9	92.83	3,257	15,606	4,205	1,475	707
RC		8	1	72	67	3.900	1.36	3.90	3.0	10.0	.25	12	39	11	5	2
RC		9	1	77	20	2.886	1.36	2.89	5.0	20.0	.32	14	58	15	7	3
RC		10	3	73	59	7.299	4.08									
RC		12	2	78	37	3.466	2.72	3.47	11.8	30.0	.96	41	104	43	18	5
RC		13	2	77	82	2.954	2.72	5.91	11.0	35.0	1.53	65	207	69	29	9
RC		14	2	78	73	2.547	2.72	5.09	13.0	40.0	1.55	66	204	70	30	9
RC		15	2	77	73	2.218	2.72	4.44	15.9	45.0	1.65	70	200	75	32	9
RC		17	2	78	99	1.727	2.72	3.45	24.4	85.0	1.98	84	294	90	38	13
RC		18	1	78	80	.770	1.36	1.54	24.3	70.0	.88	37	108	40	17	5
RC		19	2	78	79	1.383	2.72	2.77	26.4	75.0	1.73	73	207	78	33	9
RC		20	1	78	90	.624	1.36	1.25	32.9	105.0	.96	41	131	44	19	6
RC		21	1	78	79	.566	1.36	1.13	33.6	85.0	.89	38	96	40	17	4
RC		25	2	77	57	.799	2.72	1.20	49.1	73.3	1.38	59	88	63	27	4
RC		26	1	77	88	.369	1.36	.74	57.6	185.0	1.00	43	137	45	19	6
RC		27	1	77	109	.342	1.36	.68	17.9	70.0	.29	12	48	13	6	2
RC		29	3	73	78	.890	4.08	1.78	29.6	78.3	1.24	53	139	56	24	6
RC		30	4	77	82	1.109	5.45	2.22	71.3	177.5	3.71	158	394	168	72	18
RC		31	1	77	88	.260	1.36	.52	85.2	240.0	1.04	44	125	47	20	6
RC		36	3	73	82	.578	4.08	1.16	108.9	265.0	2.95	126	306	134	57	14
RC		40	1	78	82	.156	1.36	.31	126.2	365.0	.93	39	114	42	18	5
RC		42	2	78	89	.283	2.72	.57	149.0	505.0	1.98	84	286	90	38	13
RC		46	1	77	72	.118	1.36									
RC		47	1	77	79	.113	1.36	.23	173.3	510.0	.92	39	115	42	18	5
RC		52	1	77	75	.092	1.36	.18	203.0	460.0	.88	37	85	40	17	4
RC		55	1	77	97	.083	1.36	.17	268.5	520.0	1.04	44	86	47	20	4
RC		Totals	42	76	65	35.532	57.17	45.58	28.1	78.3	30.07	1,282	3,569	1,362	581	162
RA		13	6	83	88	8.861	8.17	14.77	13.2	36.0	5.38	194	532	244	88	24
RA		14	4	83	82	5.093	5.45	10.19	13.0	25.0	3.64	132	255	165	60	12
RA		15	3	84	109	3.328	4.08	6.66	17.9	56.7	3.23	119	377	146	54	17
RA		16	5	84	92	4.875	6.81	9.75	19.0	66.0	5.10	185	643	231	84	29
RA		17	4	84	93	3.454	5.45	6.91	20.9	61.2	3.96	144	423	179	65	19
RA		18	2	84	106	1.541	2.72	3.08	26.4	85.0	2.23	81	262	101	37	12
RA		19	1	85	102	.691	1.36	1.38	29.9	105.0	1.14	41	145	51	19	7
RA		21	5	84	94	2.830	6.81	5.66	33.3	84.0	5.17	189	475	234	85	22
RA		22	1	72	101	.516	1.36	1.03	37.5	65.0	1.06	39	67	48	18	3

TC TSTNDSUM

Stand Table Summary

Project RUTSPS

T38N R05E S03 TCC

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
38N	05E	03	U2	CC	45.30	40	184

T38N R05E S03 TCC
Page: 2
Date: 11/6/01
Time: 12:20:16PM

Spc	S T	DBH	Sample Trees	FF 16	Av Ht Tot	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
RA		23	1	85	106	.472	1.36	.94	45.5	120.0	1.18	43	113	53	19	5
RA		Totals	32	83	93	31.660	43.56	60.37	19.4	54.5	32.08	1,169	3,293	1,453	529	149
WH		8	1	83	54	3.900	1.36	3.90	3.9	20.0	.49	15	78	22	7	4
WH		9	1	90	64	3.081	1.36	3.08	7.6	30.0	.75	24	92	34	11	4
WH		12	2	89	81	3.466	2.72	6.93	8.7	35.0	1.93	60	243	87	27	11
WH		15	2	88	56	2.218	2.72	4.44	10.7	30.0	1.52	47	133	69	21	6
WH		16	1	89	79	.975	1.36	1.95	17.7	70.0	1.10	35	136	50	16	6
WH		17	1	89	70	.864	1.36	1.73	18.5	65.0	1.02	32	112	46	15	5
WH		20	3	89	128	1.872	4.08	5.62	26.1	118.9	4.70	147	668	213	67	30
WH		21	1	83	109	.566	1.36	1.70	28.8	123.3	1.56	49	209	71	22	9
WH		26	1	89	121	.369	1.36	1.11	44.3	176.7	1.57	49	196	71	22	9
WH		32	1	89	153	.244	1.36	.73	81.1	416.7	1.90	59	305	86	27	14
WH		Totals	14	88	76	17.555	19.06	31.18	16.6	69.7	16.55	517	2,172	750	234	98
BM		8	1	85	20	3.900	1.36	3.90	4.1	20.0	.42	16	78	19	7	4
BM		10	2	80	59	4.992	2.72	4.99	6.5	30.0	.86	32	150	39	15	7
BM		11	1	85	76	2.063	1.36	2.06	15.0	40.0	.81	31	83	37	14	4
BM		12	2	80	60	3.466	2.72	3.47	17.0	40.0	1.55	59	139	70	27	6
BM		14	2	80	62	2.547	2.72	2.55	23.0	50.0	1.53	59	127	69	27	6
BM		15	2	85	74	2.218	2.72	2.22	27.5	75.0	1.62	61	166	73	28	8
BM		16	1	85	60	.975	1.36	.97	29.0	60.0	.76	28	58	34	13	3
BM		17	2	85	63	1.727	2.72	.86	34.0	80.0	.78	29	69	35	13	3
BM		18	3	84	64	2.311	4.08	4.62	23.0	46.7	2.83	106	216	128	48	10
BM		20	2	84	78	1.248	2.72	1.87	38.3	103.3	1.88	72	193	85	33	9
BM		21	2	84	63	1.132	2.72	1.70	38.0	63.3	1.72	65	108	78	29	5
BM		24	1	83	74	.433	1.36	.87	44.0	110.0	1.01	38	95	46	17	4
BM		26	1	81	71	.369	1.36	.74	53.0	120.0	1.04	39	89	47	18	4
BM		28	1	83	62	.318	1.36	.32	94.0	190.0	.79	30	60	36	14	3
BM		30	2	84	62	.555	2.72	1.11	63.0	160.0	1.84	70	177	83	32	8
BM		32	1	81	75	.244	1.36	.49	78.0	215.0	1.01	38	105	46	17	5
BM		Totals	26	83	59	28.498	35.39	32.74	23.6	58.5	20.45	773	1,914	926	350	87
CW		24	1	88	159	.433	1.36	1.30	41.4	193.3	1.32	54	251	60	24	11
CW		42	1	85	160	.141	1.36	.42	128.8	686.7	1.34	55	291	61	25	13
CW		45	1	85	158	.123	1.36	.37	146.4	783.3	1.33	54	290	60	25	13
CW		Totals	3	87	159	.698	4.08	2.09	77.6	397.5	3.98	163	832	180	74	38
Totals			184	83	79	149.748	250.47	259.17	27.6	105.7	195.95	7160	27,386	8,877	3,244	1,241

TC PSTATS

PROJECT STATISTICS

PROJECT RUTSPS

DATE 11/6/2001

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
38N	05E	03	U2	CC	57.70	51	244	S	W
38N	05E	34	U1	CC					

SD 1	COEFF VAR.	S.E.%	NET BF/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR-D								
BL MAPLE	148.7	20.8	2,225	2,810	3,394			
WR CEDAR	158.3	22.2	2,339	3,005	3,672			
WR CEDAR-B	308.8	43.2	332	586	839			
WHEMLOCK	209.5	29.3	1,707	2,416	3,124			
R ALDER	176.7	24.7	2,226	2,958	3,690			
COTWOOD	404.9	56.7	283	654	1,024			
TOTAL	*69.1*	*9.7*	*25,790*	*28,552*	*31,315*	*191*	*48*	*21*

SD: 1	COEFF *VAR.%*	S.E.%	NET CUFT FT/ACRE LOW	*AVG*	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	143.3	20.1	2,105	2,633	3,162			
DOUG FIR-B	228.2	32.0	472	693	915			
DOUG FIR-D								
BL MAPLE	146.4	20.5	822	1,033	1,245			
WR CEDAR	157.2	22.0	823	1,056	1,288			
WR CEDAR-B	299.1	41.9	127	218	310			
WHEMLOCK	214.4	30.0	433	618	804			
R ALDER	178.3	25.0	763	1,017	1,271			
COTWOOD	404.0	56.6	55	128	200			
TOTAL	*55.4*	*7.8*	*6,823*	*7,397*	*7,971*	*123*	*31*	*14*

T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: RUTSPS

Date 11/6/2001
Time 12:20:14PM

T38N R05E S34 TCC

Twp	Rge	Sec	Tract	Typ	Acres	Plots	Sample Trees	CuFt	BdFt
38N	05E	34	U1	CC	12.40	11	60	S	W

T38N R05E S34 TCC

Spp	ST	Sort	Grade	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-30	31-35	36-99	Average Log Ln Ft	Bd Ft	CF/ Lf	Logs Per /Acre
DF		DM	CU														21		0.00	3.5
DF		DM	SM	11		1,958	1,958	24				100			100		32	582	3.21	3.4
DF		DM	2S	62	4.2	11,625	11,135	138			34	66			100		32	383	2.25	29.1
DF		DM	3S	27	.8	4,969	4,928	61		72	25	2	4	8	87		27	79	0.68	62.4
DF		**Totals**		55	2.9	18,552	18,021	223		20	28	53	1	2	97		28	183	1.29	98.3
BM		DM	CU														19		0.00	17.9
BM		DM	2S	42	13.8	2,960	2,550	32			26	74			100		32	366	3.19	7.0
BM		DM	3S	39	16.7	2,835	2,363	29		00				9	91		32	85	1.03	27.8
BM		DM	4S	19	2.9	1,205	1,170	15		00			62	14	24		18	30	0.53	39.1
BM		**Totals**		19	13.1	7,001	6,083	75		58	11	31	12	6	82		23	66	0.92	91.8
WH		DM	CU														26		0.00	16.0
WH		DM	2S	45	36.4	2,364	1,503	19			77	23			100		32	170	1.73	8.8
WH		DM	3S	41	7.6	1,471	1,359	17		00			8	27	65		25	46	0.46	29.5
WH		DM	4S	13	24.3	584	442	5		00			32	68			23	20	0.30	21.7
WH		**Totals**		10	25.2	4,419	3,304	41		55	35	10	8	20	72		26	43	0.51	76.1
RC		DM	3S	95	22.0	4,470	3,489	43		16	12	72	4	7	90		30	240	2.69	14.6
RC		DM	4S	5		182	182	2		00			100				15	20	0.41	9.1
RC		**Totals**		11	21.1	4,652	3,670	46		20	11	69	8	6	85		24	155	2.15	23.6
RA		DM	2S	30		522	522	6			100				100		32	230	1.63	2.3
RA		DM	3S	51	3.8	922	886	11		00					100		32	125	1.00	7.1
RA		DM	4S	19	15.1	384	326	4		00			22		78		26	35	0.49	9.4
RA		**Totals**		5	5.1	1,828	1,734	22		70	30		4		96		29	93	0.86	18.7
Type Totals					10.0	36,451	32,813	407		33	24	43	5	5	90		26	106	1.03	308.6

Deductions for green tree retention

DF	223	-	12	= 211
BM	75	-	0	= 75
WH	41	-	1	= 40
RC	46	-	7	= 39
RA	22	-	0	= 22
	407		20	387

TC TSTNDSUM

Stand Table Summary

Project RUTSPS

T38N R05E S34 TCC

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
38N	05E	34	U1	CC	12.40	11	60

T38N R05E S34 TCC
Page: 1
Date: 11/6/01
Time: 12:20:16PM

Spc	S T	DBH	Sample Trees	FF 16	Av Ht Tot	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
DF		11	1	87	61	7.501	4.95									
DF		12	1	86	93	6.303	4.95	12.61	11.6	50.0	4.17	146	630	52	18	8
DF		14	1	86	101	4.630	4.95	13.89	11.8	56.7	4.66	164	787	58	20	10
DF		16	1	86	109	3.545	4.95	10.64	16.8	76.7	5.10	179	815	63	22	10
DF		19	1	86	117	2.514	4.95	7.54	25.0	113.3	5.38	189	855	67	23	11
DF		22	1	87	113	1.875	4.95	5.63	34.8	166.7	5.58	196	938	69	24	12
DF		23	2	87	153	3.431	9.90	10.29	44.8	223.3	13.16	461	2,299	163	57	29
DF		24	3	85	100	4.727	14.85	9.45	44.0	213.3	11.87	416	2,017	147	52	25
DF		25	1	87	133	1.452	4.95	4.36	49.4	250.0	6.13	215	1,089	76	27	14
DF		26	1	87	124	1.343	4.95	4.03	52.6	250.0	6.02	212	1,007	75	26	12
DF		29	1	86	141	1.079	4.95	3.24	69.5	380.0	6.41	225	1,230	79	28	15
DF		32	2	86	150	1.773	9.90	7.09	68.9	388.8	13.92	488	2,756	173	61	34
DF		33	1	87	130	.833	4.95	2.50	88.5	483.3	6.31	221	1,208	78	27	15
DF		36	1	86	151	.700	4.95	2.80	90.1	542.5	7.19	252	1,520	89	31	19
DF		60	1	84	126	.252	4.95	.76	286.3	1150.0	6.17	217	870	76	27	11
DF		72	1	85	101	.175	4.95									
DF		Totals	20	86	105	42.133	99.00	94.82	37.8	190.1	102.06	3,581	18,021	1,266	444	223
BM		9	1	81	21	11.205	4.95	11.20	5.0	20.0	1.52	56	224	19	7	3
BM		13	1	82	42	5.370	4.95	5.37	16.8	40.0	2.39	90	215	30	11	3
BM		15	1	81	39	4.034	4.95	4.03	21.4	40.0	2.28	86	161	28	11	2
BM		16	2	81	66	7.090	9.90	7.09	29.0	65.0	5.53	206	461	69	25	6
BM		17	3	81	56	9.421	14.85	12.56	13.4	47.5	4.47	169	597	55	21	7
BM		18	4	81	62	11.205	19.80	19.61	23.5	72.9	12.23	461	1,429	152	57	18
BM		19	1	82	64	2.514	4.95	5.03	24.4	65.0	3.26	123	327	40	15	4
BM		23	1	82	91	1.716	4.95	1.72	70.0	250.0	3.18	120	429	39	15	5
BM		26	1	82	62	1.343	4.95	1.34	83.0	170.0	2.96	111	228	37	14	3
BM		28	2	81	83	2.315	9.90	3.47	79.6	273.3	7.32	276	949	91	34	12
BM		32	1	81	87	.886	4.95	1.77	91.5	280.0	4.29	162	496	53	20	6
BM		36	1	81	85	.700	4.95	.70	176.3	810.0	3.27	123	567	41	15	7
BM		Totals	19	81	53	57.798	94.05	73.90	26.9	82.3	52.69	1,984	6,083	653	246	75
RC		10	1	77	18	9.076	4.95	9.08	6.1	20.0	1.30	55	182	16	7	2
RC		12	1	77	64	6.303	4.95	6.30	19.0	60.0	2.82	120	378	35	15	5
RC		30	1	77	64	1.008	4.95	2.02	66.0	195.0	3.12	133	393	39	17	5
RC		32	1	78	89	.886	4.95	1.77	90.5	290.0	3.78	160	514	47	20	6
RC		36	1	77	86	.700	4.95	1.40	119.0	190.0	3.91	167	266	48	21	3
RC		44	1	77	83	.469	4.95	.94	170.2	430.0	3.75	160	403	47	20	5
RC		47	1	78	80	.411	4.95	.82	186.7	615.0	3.60	153	505	45	19	6
RC		48	1	77	87	.394	4.95	.79	207.9	750.0	3.85	164	591	48	20	7
RC		59	1	77	63	.261	4.95	.52	256.6	840.0	3.15	134	438	39	17	5
RC		Totals	9	77	46	19.507	44.55	23.64	52.7	155.3	29.26	1,246	3,670	363	155	46
WH		8	1	88	42	14.181	4.95	14.18	5.0	10.0	2.10	71	142	26	9	2
WH		9	1	89	52	11.205	4.95									
WH		10	1	89	46	9.076	4.95	9.08	9.3	40.0	2.69	84	363	33	10	5
WH		11	1	88	42	7.501	4.95	7.50	10.8	40.0	2.58	81	300	32	10	4
WH		12	1	89	65	6.303	4.95	12.61	9.7	40.0	3.92	122	504	49	15	6
WH		18	1	89	101	2.801	4.95	5.60	32.5	75.0	5.81	182	420	72	23	5
WH		19	2	88	104	5.028	9.90	10.06	32.3	122.5	10.38	325	1,232	129	40	15
WH		30	1	86	103	1.008	4.95	1.01	121.0	340.0	3.90	122	343	48	15	4
WH		Totals	9	88	57	57.102	44.55	60.03	16.4	55.0	31.37	987	3,304	389	122	41
RA		16	2	85	74	7.090	9.90	14.18	21.0	77.5	8.15	298	1,099	101	37	14
RA		20	1	84	82	2.269	4.95	4.54	36.5	140.0	4.58	166	635	57	21	8
RA		Totals	3	85	76	9.359	14.85	18.72	24.8	92.7	12.73	464	1,734	158	57	22
Totals			60	84	66	185.900	297.00	271.10	30.5	121.0	228.11	8262	32,813	2,829	1,024	407

TC PSTNDSU M

Stand Table Summary

Page 2
Date: 11/6/2001

T38N R05E S03 TyCC	45.30
T38N R05E S34 TyCC	12.40

Project RUTSPS
Acres 57.70

Time 12:49:48PM
Grown Year:

Spc	S T	DBH	Sample Trees	FF 16	Tot Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
RA		15	3	84	109	2.613	3.21	5.23	17.9	56.7	2.54	93	296	146	54	17
RA		16	7	84	87	5.351	7.47	10.70	19.6	69.3	5.75	210	741	332	121	43
RA		17	4	84	93	2.712	4.27	5.42	20.9	61.2	3.11	113	332	179	65	19
RA		18	2	84	106	1.210	2.14	2.42	26.4	85.0	1.75	64	206	101	37	12
RA		19	1	85	102	.543	1.07	1.09	29.9	105.0	.89	32	114	51	19	7
RA		20	1	84	82	.488	1.06	.98	36.5	140.0	.98	36	137	57	21	8
RA		21	5	84	94	2.222	5.34	4.44	33.3	84.0	4.06	148	373	234	85	22
RA		22	1	72	101	.405	1.07	.81	37.5	65.0	.83	30	53	48	18	3
RA		23	1	85	106	108 .370	1.07	.74	45.5	120.0	.93	34	89	53	19	5
RA		Totals	35	84	91	26.868	37.39	51.42	19.8	57.5	27.92	1,017	2,958	1,611	587	171
BM		8	1	85	20	3.062	1.07	3.06	4.1	20.0	.33	13	61	19	7	4
BM		9	1	81	21	2.408	1.06	2.41	5.0	20.0	.33	12	48	19	7	3
BM		10	2	80	59	3.919	2.14	3.92	6.5	30.0	.68	25	118	39	15	7
BM		11	1	85	76	1.619	1.07	1.62	15.0	40.0	.64	24	65	37	14	4
BM		12	2	80	60	2.721	2.14	2.72	17.0	40.0	1.21	46	109	70	27	6
BM		13	1	82	42	1.154	1.06	1.15	16.8	40.0	.51	19	46	30	11	3
BM		14	2	80	62	1.999	2.14	2.00	23.0	50.0	1.20	46	100	69	27	6
BM		15	3	84	62	2.609	3.20	2.61	25.5	63.4	1.76	66	165	102	38	10
BM		16	3	82	64	2.289	3.20	2.29	29.0	63.3	1.78	66	145	103	38	8
BM		17	5	83	59	3.381	5.33	3.38	17.6	54.0	1.57	59	182	91	34	11
BM		18	7	82	63	4.222	7.46	7.84	23.3	60.7	4.85	183	476	280	105	27
BM		19	1	82	64	.540	1.06	1.08	24.4	65.0	.70	26	70	40	15	4
BM		20	2	84	78	.980	2.14	1.47	38.3	103.3	1.48	56	152	85	33	9
BM		21	2	84	63	.889	2.14	1.33	38.0	63.3	1.35	51	84	78	29	5
BM		23	1	82	91	.369	1.06	.37	70.0	250.0	.68	26	92	39	15	5
BM		24	1	83	74	.340	1.07	.68	44.0	110.0	.79	30	75	46	17	4
BM		26	2	81	67	.578	2.13	.87	63.0	136.6	1.45	55	119	84	32	7
BM		28	3	82	76	.747	3.20	1.00	83.2	252.4	2.19	83	251	127	48	15
BM		30	2	84	62	.435	2.14	.87	63.0	160.0	1.45	55	139	83	32	8
BM		32	2	81	81	.382	2.13	.76	84.7	247.4	1.71	65	189	99	37	11
BM		36	1	81	85	162 .150	1.06	.15	176.3	810.0	.70	27	122	41	15	7
BM		Totals	45	82	57	34.794	48.00	41.58	24.9	67.6	27.37	1,033	2,810	1,579	596	162
WH		8	2	85	48	6.109	2.13	6.11	4.5	15.0	.84	27	92	48	16	5
WH		9	2	90	58	4.827	2.13	2.42	7.6	30.0	.59	18	73	34	11	4
WH		10	1	89	46	1.950	1.06	1.95	9.3	40.0	.58	18	78	33	10	5
WH		11	1	88	42	1.612	1.06	1.61	10.8	40.0	.55	17	64	32	10	4
WH		12	3	89	76	4.076	3.20	8.15	9.0	36.7	2.36	74	299	136	42	17
WH		15	2	88	56	1.742	2.14	3.48	10.7	30.0	1.19	37	105	69	21	6
WH		16	1	89	79	.765	1.07	1.53	17.7	70.0	.87	27	107	50	16	6
WH		17	1	89	70	.678	1.07	1.36	18.5	65.0	.80	25	88	46	15	5
WH		18	1	89	101	.602	1.06	1.20	32.5	75.0	1.25	39	90	72	23	5
WH		19	2	88	104	1.081	2.13	2.16	32.3	122.5	2.23	70	265	129	40	15
WH		20	3	89	128	1.470	3.21	4.41	26.1	118.9	3.69	115	524	213	67	30
WH		21	1	83	109	.444	1.07	1.33	28.8	123.3	1.23	38	164	71	22	9
WH		26	1	89	121	.290	1.07	.87	44.3	176.7	1.23	39	154	71	22	9
WH		30	1	86	103	.217	1.06	.22	121.0	340.0	.84	26	74	48	15	4
WH		32	1	89	153	92 .191	1.07	.57	81.1	416.7	1.49	47	239	86	27	14
WH		Totals	23	88	67	26.054	24.54	37.38	16.5	64.6	19.73	618	2,416	1,139	357	139
CW		24	1	88	159	.340	1.07	1.02	41.4	193.3	1.03	42	197	60	24	11
CW		42	1	85	160	.111	1.07	.33	128.8	686.7	1.05	43	229	61	25	13
CW		45	1	85	158	118 .097	1.07	.29	146.4	783.3	1.04	42	227	60	25	13
CW		Totals	3	87	159	.548	3.21	1.64	77.6	397.5	3.13	128	654	180	74	38
Totals			244	83	76	157.518	260.47	261.73	28.3	109.1	202.87	7,397	28,552	11,705	4,268	1,647

TC PSTATS

PROJECT STATISTICS

PROJECT RUTSPS

DATE 11/6/2001

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
38N	05E	03	U2	CC	57.70	51	244	S	W
38N	05E	34	U1	CC					

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	51	244	4.8		
CRUISE	35	170	4.9	6,174	2.8
DBH COUNT	16	74	4.6	2,914	2.5
REFOREST					
COUNT					
BLANKS					
100 %					

STAND SUMMARY

	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE *LEN*	REL DEN	*BASAL* AREA	*GROSS* BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
DOUG FIR	70	34.7	19.9	71	17	74.7	12,468	12,361	2,633	2,633
DOUG FIR-B	15	2.1	37.6	110	3	16.0	3,844	3,764	693	693
DOUG FIR-D	2	.4	32.2	44	0	2.1				
BL MAPLE	45	34.8	15.9	46		48.0	3,730	2,810	1,033	1,033
WR CEDAR	43	30.8	16.5	43		45.9	3,473	3,005	1,054	1,056
WR CEDAR-B	8	1.3	34.2	57		8.5	800	586	218	218
WHEMLOCK	23	26.1	13.1	47	5	24.5	2,701	2,416	617	618
R ALDER	35	26.9	16.0	55		37.4	3,441	2,958	1,015	1,017
COTWOOD	3	.5	32.8	90		3.2	654	654	128	128
TOTAL	*244*	*157.5*	*17.4*	*54*		*260.5*	*31,112*	*28,552*	*7,392*	*7,397*

SD: 1	COEFF *VAR.%*	S.E.%	SAMPLE TREES - BF LOW	*AVG*	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
DOUG FIR	325.5	20.8	102	129	156			
DOUG FIR-B	527.8	33.8	63	95	127			
DOUG FIR-D								
BL MAPLE	369.6	23.7	17	23	28			
WR CEDAR	417.7	26.7	31	43	54			
WR CEDAR-B	733.1	46.9	11	21	31			
WHEMLOCK	591.8	37.9	10	17	23			
R ALDER	341.4	21.9	10	13	16			
COTWOOD	992.0	63.5	7	20	33			
TOTAL	*183.9*	*11.8*	*319*	*361*	*404*	*1,353*	*338*	*150*

SD: 1	COEFF *VAR.%*	S.E.%	SAMPLE TREES - CF LOW	*AVG*	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
DOUG FIR	307.8	19.7	20	25	30			
DOUG FIR-B	541.6	34.7	12	18	24			
DOUG FIR-D								
BL MAPLE	323.6	20.7	6	8	10			
WR CEDAR	414.7	26.5	11	15	19			
WR CEDAR-B	695.0	44.5	4	8	11			
WHEMLOCK	528.6	33.8	3	4	6			
R ALDER	336.6	21.5	3	4	5			
COTWOOD	980.4	62.8	1	4	6			
TOTAL	*159.9*	*10.2*	*77*	*86*	*95*	*1,023*	*256*	*114*

SD: 1	COEFF *VAR.%*	S.E.%	TREES/ACRE LOW	*AVG*	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	175.3	24.6	26	35	43			
DOUG FIR-B	251.3	35.2	1	2	3			
DOUG FIR-D	645.3	90.4	0	0	1			
BL MAPLE	150.8	21.1	27	35	42			
WR CEDAR	172.7	24.2	23	31	38			
WR CEDAR-B	342.5	48.0	1	1	2			
WHEMLOCK	271.1	38.0	16	26	36			
R ALDER	189.2	26.5	20	27	34			
COTWOOD	477.3	66.8	0	1	1			
TOTAL	*64.4*	*9.0*	*143*	*158*	*172*	*166*	*42*	*18*

SD: 1	COEFF *VAR.%*	S.E.%	BASAL AREA/ACRE LOW	*AVG*	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	141.1	19.8	60	75	89			
DOUG FIR-B	228.6	32.0	11	16	21			
DOUG FIR-D	499.9	70.0	1	2	4			
BL MAPLE	137.1	19.2	39	48	57			
WR CEDAR	143.1	20.0	37	46	55			
WR CEDAR-B	295.5	41.4	5	9	12			
WHEMLOCK	222.8	31.2	17	25	32			
R ALDER	176.1	24.7	28	37	47			
COTWOOD	404.0	56.6	1	3	5			
TOTAL	*48.4*	*6.8*	*243*	*260*	*278*	*94*	*23*	*10*

SD: 1	COEFF *VAR.%*	S.E.%	NET BF/ACRE LOW	*AVG*	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	150.0	21.0	9,764	12,361	14,958			
DOUG FIR-B	232.5	32.6	2,539	3,764	4,989			

TC PSTNDSUM

Stand Table Summary

Page 1
Date: 11/6/2001

T38N R05E S03 TyCC 45.30
T38N R05E S34 TyCC 12.40

Project RUTSPS
Acres 57.70

Time 12:49:48PM
Grown Year:

Spc	S T	DBH	Sample Trees	FF 16	Tot Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
DF		11	3	86	59	4.851	3.20	6.48	5.7	20.0	1.06	37	130	61	21	7
DF		12	2	87	70	2.715	2.13	4.07	11.9	46.7	1.38	48	190	80	28	11
DF		13	2	87	103	2.319	2.14	4.64	12.5	50.0	1.65	58	232	95	33	13
DF		14	6	87	88	5.994	6.41	14.98	11.3	46.0	4.82	169	689	278	98	40
DF		15	2	86	67	1.742	2.14	3.48	13.0	40.0	1.29	45	139	74	26	8
DF		16	3	87	96	2.293	3.20	5.35	18.2	75.7	2.77	97	405	160	56	23
DF		17	2	83	96	1.356	2.14	2.71	22.7	80.0	1.76	62	217	101	36	13
DF		18	1	86	92	.605	1.07	1.21	24.7	95.0	.85	30	115	49	17	7
DF		19	4	85	104	2.169	4.27	5.96	23.3	92.7	3.96	139	553	229	80	32
DF		20	3	86	105	1.470	3.21	3.92	26.3	106.2	2.93	103	416	169	59	24
DF		21	1	83	105	.444	1.07	1.33	24.5	86.7	.93	33	116	54	19	7
DF		22	2	86	117	.808	2.13	2.42	32.9	155.0	2.27	80	376	131	46	22
DF		23	3	85	138	1.108	3.20	3.32	40.7	192.1	3.86	135	639	223	78	37
DF		24	4	84	103	1.356	4.26	3.05	40.9	188.8	3.56	125	576	205	72	33
DF		25	3	86	115	.939	3.20	2.50	46.0	209.9	3.28	115	526	189	66	30
DF		26	3	84	119	.868	3.20	2.31	50.7	225.0	3.34	117	521	193	68	30
DF		27	2	86	167	.538	2.14	1.88	52.0	261.4	2.79	98	492	161	56	28
DF		28	2	83	120	.500	2.14	1.75	43.6	171.4	2.17	76	300	125	44	17
DF		29	1	86	141	.232	1.06	.70	69.5	380.0	1.38	48	264	79	28	15
DF		31	3	82	127	.612	3.21	2.04	57.7	239.0	3.35	118	487	193	68	28
DF		32	2	86	150	.381	2.13	1.52	68.9	388.8	2.99	105	592	173	61	34
DF		33	2	86	163	.359	2.13	1.26	82.9	467.1	2.97	104	587	171	60	34
DF		35	2	83	135	.320	2.14	1.28	65.2	307.5	2.38	83	393	137	48	23
DF		36	5	86	149	.755	5.34	2.57	91.8	510.6	6.72	236	1,311	387	136	76
DF		37	1	87	132	.143	1.07	.43	98.1	530.0	1.20	42	228	69	24	13
DF		38	4	87	166	.543	4.27	2.17	93.1	546.3	5.76	202	1,186	332	117	68
DF		39	2	87	155	.258	2.14	.90	105.0	594.3	2.70	95	536	156	55	31
DF		40	2	83	146	.245	2.14	.86	103.4	547.1	2.53	89	469	146	51	27
DF		41	2	82	148	.233	2.14	.82	109.0	575.7	2.53	89	470	146	51	27
DF		42	1	86	146	.111	1.07	.33	137.7	763.3	1.31	46	254	75	26	15
DF		45	1	82	157	.097	1.07	.29	155.8	850.0	1.29	45	247	74	26	14
DF		46	1	82	159	.093	1.07	.28	162.2	903.3	1.28	45	251	74	26	14
DF		48	3	86	144	.255	3.21	.77	178.2	966.7	3.89	136	740	224	79	43
DF		49	1	86	147	.082	1.07	.24	189.1	1073.3	1.32	46	263	76	27	15
DF		50	2	83	168	.157	2.14	.47	200.2	1106.7	2.68	94	520	155	54	30
DF		52	1	87	120	.072	1.07	.22	180.9	956.7	1.12	39	208	65	23	12
DF		60	2	83	158	.109	2.13	.33	294.8	1499.1	2.74	96	488	158	55	28
DF		72	1	85	101	433 .038	1.06									
DF		Totals	87	86	99	37.166	92.88	88.85	37.4	181.5	94.81	3,327	16,125	5,471	1,919	930
RC		8	1	72	67	3.062	1.07	3.06	3.0	10.0	.20	9	31	11	5	2
RC		9	1	77	20	2.266	1.07	2.27	5.0	20.0	.25	11	45	15	7	3
RC		10	4	74	48	7.681	4.27	1.95	6.1	20.0	.28	12	39	16	7	2
RC		12	3	78	46	4.076	3.20	4.08	14.2	40.0	1.36	58	163	78	33	9
RC		13	2	77	82	2.319	2.14	4.64	11.0	35.0	1.20	51	162	69	29	9
RC		14	2	78	73	1.999	2.14	4.00	13.0	40.0	1.22	52	160	70	30	9
RC		15	2	77	73	1.742	2.14	3.48	15.9	45.0	1.30	55	157	75	32	9
RC		17	2	78	99	1.356	2.14	2.71	24.4	85.0	1.56	66	231	90	38	13
RC		18	1	78	80	.605	1.07	1.21	24.3	70.0	.69	29	85	40	17	5
RC		19	2	78	79	1.086	2.14	2.17	26.4	75.0	1.36	57	163	78	33	9
RC		20	1	78	90	.490	1.07	.98	32.9	105.0	.76	32	103	44	19	6
RC		21	1	78	79	.444	1.07	.89	33.6	85.0	.70	30	76	40	17	4
RC		25	2	77	57	.627	2.14	.94	49.1	73.3	1.09	46	69	63	27	4
RC		26	1	77	88	.290	1.07	.58	57.6	185.0	.78	33	107	45	19	6
RC		27	1	77	109	.269	1.07	.54	17.9	70.0	.23	10	38	13	6	2
RC		29	3	73	78	.699	3.21	1.40	29.6	78.3	.97	41	110	56	24	6
RC		30	5	77	79	1.088	5.34	2.18	70.3	181.0	3.58	153	394	207	88	23
RC		31	1	77	88	.204	1.07	.41	85.2	240.0	.81	35	98	47	20	6
RC		32	1	78	89	.190	1.06	.38	90.5	290.0	.81	34	110	47	20	6
RC		36	4	74	83	.604	4.27	1.21	111.4	246.3	3.16	135	298	182	78	17
RC		40	1	78	82	.122	1.07	.24	126.2	365.0	.73	31	89	42	18	5
RC		42	2	78	89	.222	2.14	.44	149.0	505.0	1.56	66	224	90	38	13
RC		44	1	77	83	.101	1.06	.20	170.2	430.0	.81	34	87	47	20	5
RC		46	1	77	72	.093	1.07									
RC		47	2	77	79	.177	2.13	.35	180.0	562.4	1.50	64	199	86	37	11
RC		48	1	77	87	.085	1.06	.17	207.9	750.0	.83	35	127	48	20	7
RC		52	1	77	75	.072	1.07	.14	203.0	460.0	.69	29	67	40	17	4
RC		55	1	77	97	.065	1.07	.13	268.5	520.0	.82	35	67	47	20	4
RC		59	1	77	63	111 .056	1.06	.11	256.6	840.0	.68	29	94	39	17	5
RC		Totals	51	76	63	32.088	54.46	40.86	31.2	87.9	29.90	1,274	3,591	1,725	735	207
RA		13	6	83	88	6.957	6.41	11.59	13.2	36.0	4.23	153	417	244	88	24
RA		14	4	83	82	3.999	4.27	8.00	13.0	25.0	2.85	104	200	165	60	12