PRE-CRUISE NARRATIVE

Sale Name: Nestor	**Region:** SE
Application #: 30-070936	**District:** Klickitat
Contact Forester: Steve Dugger	**Phone/ Location: (509)**-364-3510
Alternate Contact: Robert Travis	**Phone/ Location: (509)**-493-3218

UNIT ACREAGES AND METHOD OF DETERMINATION:

Unit #	Legal Description Sec/Twp/Rng	Grant	Gross Acres	Net Acres	Method of acreage determination (compass chain traverse, photo, declination used, GPS, etc.)	Error of Closure
1	Sec. 21, T4N, R10E	03	39	39	GPS	
1	Sec. 27, T4N, R10E	03	133	133	GPS	
1	Sec. 28, T4N, R10E	03	139	139	GPS	
Total				311		

HARVEST PLAN AND SPECIAL CONDITIONS:

Unit #	Harvest Prescription: (Mark leave, take, etc.)	Special Management areas:	Other conditions (# leave trees, etc.)
1	Purchaser select, refer to schedule A of the timber sale contract for the prescription.	RMZ's for 2 Type 4 streams and one legacy tree area, no harvest will occur in these areas. Tagged with blue "Special Management Unit Boundary" tags and flagged w/red or blue. These areas still need to be GPS and unit acres adjusted.	N-1000 from Trail Head 1 campground to west end of unit, N-1300 and N-1400 have right-a-way widths extended, removing timber. New construction Spurs 1, 2, 3, and 4 will remove timber.

OTHER PRE-CRUISE INFORMATION:

Unit #	Estimated Volume	Access information (Gates, locks, etc.)	Photos, traverse maps required
1	6MBF/acre	Hwy 141-Northwestern LakeRd.-N1000 approximately 2.5 miles. Sale boundary begins 1/10th mile past the campground.	

REMARKS:

An updated map showing RMZ's, legacy tree area, right-of-way improvements and leave tree marked sample plots will be provided at the district by pre-sale forester. I'll either be in Husum 1/21/03 or leave maps there.

Prepared By: Steve Dugger	**Title:** Project Forester	**CC:** Cruisers, J.Haddon, L.Hazlett, file

Revised 08/31/01

Cruise Narrative

Sale Name: Nestor	Region: Southeast
Agree.#: 70936	District: Klickitat
Lead cruiser: Williams	Completion: 5-20-03
Other cruisers on sale: None	

SuperAce Cruise Info:

Species	White Salmon	Sort/Grade	Southeast

Unit acreage specifications:

Unit	Cruised acres	Cruised acres agree with sale acres?	If acres do not agree explain why.
1	294	Yes	
2	5	Yes	
Total	299		

Unit cruise specifications:

Unit	Sample type (VP,FP,ITS,100%)	Expansion factor (BAF,full/half)	Sighting height (4.5 ft., 16ft.)	Grid size (Plot spacing or % of area)	Plot ration (cruise:count)	Total number of plots
1	VP	40	4.5	522X522	CRUISE ALL	44
2	VP	40	4.5	522X522	CRUISE ALL	44

Sale/Cruise Description:

Minor species cruise intensity:	N/A					
Minimum cruise spec:	6.0" DBH					
Avg. ring count by sp:	DF=	9	WH=		SS=	
Leave/take tree description:	Relative Density Thinning: With a prism, remove Douglas fir and grand fir starting with the smallest trees on plot, down to an average of 148 BA to achieve a relative density of 38 while maintaining an overall stand average of 110 tpa. A 19.4" DBH limit is also in place. Training on how to fall or mark timber with a prism will take place at the beginning of logging operations. A 20 BAF prism or equivalent will be used to follow cutting RX.					
Other conditions						

Field observations:

Grants: 03

Prepared by: Williams

Title: Timber Cruiser

TC PSTNDSUM

Stand Table Summary

Page 1
Date: 5/20/2003

T04N R10E S28 Ty0001 294.00

Project NESTOR
Acres 294.00

Time: 8:04:55AM
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		10	4	87	70	6.719	3.64	10.20	7.5	34.3	2.19	76	350	643	224	103
DF		11	1	88	114	1.305	.91	3.92	8.3	40.0	.93	32	157	272	95	46
DF		12	4	87	65	4.598	3.64	8.00	10.5	39.9	2.39	84	319	702	246	94
DF		13	9	88	65	8.978	8.18	14.92	12.8	47.2	5.44	191	703	1,599	561	207
DF		14	8	87	84	7.029	7.27	18.47	11.9	47.5	6.27	221	878	1,844	648	258
DF		15	11	87	82	8.084	10.00	21.28	13.5	55.9	8.16	287	1,189	2,400	843	350
DF		16	7	88	81	4.551	6.36	11.06	15.5	61.7	4.88	171	682	1,435	503	201
DF		17	9	88	87	5.197	8.18	13.34	19.4	76.8	7.37	259	1,025	2,168	761	301
DF		18	12	88	95	6.241	10.91	16.62	22.4	90.4	10.58	371	1,502	3,111	1,092	442
DF		19	9	87	93	4.202	8.18	12.13	22.8	93.7	7.89	277	1,137	2,321	814	334
DF		20	11	88	91	4.663	10.00	12.71	26.5	106.7	9.61	337	1,356	2,827	992	399
DF		21	8	88	92	3.022	7.27	8.67	28.3	121.2	7.00	245	1,051	2,057	721	309
DF		22	5	87	100	1.716	4.55	5.15	32.0	147.7	4.69	165	761	1,380	484	224
DF		23	5	88	110	1.609	4.55	5.15	34.4	154.2	5.05	177	794	1,485	522	234
DF		24	1	88	102	.294	.91	.88	38.0	176.7	.96	34	156	281	99	46
DF		25	2	87	63	.540	1.82	1.08	42.3	151.7	1.30	46	164	382	134	48
DF		26	3	88	98	.747	2.73	2.00	50.2	229.9	2.85	100	459	839	294	135
DF		27	2	87	107	.462	1.82	1.39	50.4	239.9	1.99	70	333	586	205	98
DF		28	1	88	125	.216	.91	.86	46.3	242.5	1.14	40	209	335	117	62
DF		29	1	87	78	.198	.91	.40	71.7	175.0	.81	28	69	239	84	20
DF		30	2	88	108	.374	1.82	1.12	64.2	313.1	2.05	72	352	604	212	103
DF		31	1	87	91	.176	.91	.53	59.3	286.7	.89	31	151	262	92	44
DF		40	1	88	70	.104	.91	.10	59.5	120.0	.18	6	13	52	18	4
DF		Totals	117	88	83	71.028	106.36	169.97	19.5	81.2	94.64	3,321	13,810	27,823	9,764	4,060
DF	T	6	1	88	20	4.336	.91									
DF	T	7	2	88	34	7.890	1.82	7.89								
DF	T	8	2	88	52	5.341	1.82	5.34	4.6	25.0	.69	24	134	202	72	39
DF	T	9	5	88	57	10.043	4.55	11.97	6.5	28.6	2.22	78	342	654	230	101
DF	T	10	2	86	51	3.269	1.82	3.27	10.2	34.9	.95	33	114	279	98	34
DF	T	11	7	88	84	10.114	6.36	20.18	8.3	36.5	4.76	167	736	1,400	491	216
DF	T	12	2	88	64	2.375	1.82	4.75	8.1	29.9	1.10	39	142	322	114	42
DF	T	13	9	88	81	8.919	8.18	19.91	11.5	47.3	6.50	228	941	1,912	671	277
DF	T	14	10	88	81	8.342	9.09	20.01	12.8	54.1	7.29	256	1,082	2,143	752	318
DF	T	15	5	88	94	3.658	4.55	10.97	13.3	57.3	4.16	146	629	1,222	429	185
DF	T	16	3	88	105	1.955	2.73	5.87	17.1	73.3	2.86	101	430	842	296	126
DF	T	17	2	87	91	1.167	1.82	2.91	20.4	84.0	1.69	59	245	497	174	72
DF	T	18	1	88	112	.532	.91	1.60	22.8	103.3	1.04	36	165	305	107	48
DF	T	19	5	88	98	2.304	4.55	6.91	22.6	90.7	4.45	156	627	1,310	459	184
DF	T	Totals	56	88	67	70.247	50.91	121.57	10.9	46.0	37.71	1,325	5,587	11,088	3,895	1,642
OG		26	1	80	79	.254	.91	.51	48.5	85.0	.69	25	43	203	73	13
OG		28	1	80	86	.207	.91	.21	35.0	50.0	.20	7	10	60	21	3
OG		30	2	79	118	.371	1.82	.74	37.2	124.8	.77	28	92	226	81	27
OG		34	1	80	139	.144	.91	.58	65.1	280.0	1.05	38	161	309	110	47
OG		36	1	80	118	.131	.91	.39	86.5	273.3	.95	34	107	279	100	32
OG		38	2	79	130	.231	1.82	.69	105.3	348.3	2.04	73	241	600	214	71
OG		39	1	80	139	.111	.91	.22	76.5	215.0	.48	17	48	140	50	14
OG		42	1	80	139	.095	.91	.28	134.3	600.0	1.07	38	171	314	112	50
OG		45	1	80	139	.082	.91	.25	155.0	510.0	1.07	38	126	315	113	37
OG		46	1	80	152	.079	.91									
OG		51	1	79	139	.065	.91	.20	191.0	670.0	1.04	37	131	307	110	38
OG		52	1	80	118	.061	.91	.06	346.0	800.0	.59	21	49	173	62	14
OG		54	1	79	121	.057	.91									

table

TC PSTNDSUM

Stand Table Summary

Page 2
Date: 5/20/2003

T04N R10E S28 Ty0001 294.00

Project NESTOR
Acres 294.00

Time: 8:04:55AM
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
OG		56	1	79	118	.053	.91	.11	287.0	1125.0	.85	31	120	251	90	35
OG		Totals	16	80	118	1.941	14.55	4.23	91.2	306.9	10.81	386	1,300	3,178	1,136	382
GF		12	1	88	110	1.157	.91	2.31	14.2	60.0	.93	33	139	272	96	41
GF		13	2	88	83	2.004	1.82	4.01	13.5	54.9	1.54	54	220	453	159	65
GF		15	1	87	78	.793	.91	1.59	17.5	65.0	.79	28	103	232	81	30
GF		18	1	88	92	.538	.91	1.61	18.2	73.3	.84	29	118	248	86	35
GF		20	2	87	89	.821	1.82	2.46	24.9	100.0	1.76	61	246	517	180	72
GF		23	1	87	80	.321	.91	.32	74.0	230.0	.68	24	74	200	70	22
GF		26	1	88	87	.256	.91	.51	60.7	250.0	.89	31	128	262	92	38
GF		28	1	88	95	.208	.91	.42	28.4	85.0	.34	12	35	99	35	10
GF		31	1	88	87	.171	.91	.34	92.3	225.0	.91	32	77	266	93	23
GF		Totals	11	88	89	6.269	10.00	13.58	22.4	84.0	8.67	304	1,141	2,549	892	335
GF	T	7	1	87	44	3.306	.91	3.31	2.6	20.0	.24	8	66	71	25	19
GF	T	10	2	87	99	3.547	1.82	7.09	7.5	40.0	1.52	53	284	446	156	83
GF	T	13	1	88	85	1.067	.91	2.13	12.1	45.0	.75	26	96	219	76	28
GF	T	15	1	88	89	.712	.91	2.14	14.6	63.3	.90	31	135	263	92	40
GF	T	Totals	5	87	75	8.633	4.55	14.67	8.1	39.6	3.40	119	581	1,000	349	171
RC		16	1	73	105	.676	.91	2.03	14.2	46.7	.68	29	95	199	84	28
RC		20	1	73	71	.429	.91	.86	31.2	80.0	.63	27	69	185	79	20
RC		24	1	72	71	.280	.91	.56	45.7	100.0	.60	26	56	178	75	16
RC		25	1	73	84	.273	.91	.55	54.3	155.0	.70	30	85	206	87	25
RC		26	1	73	72	.252	.91	.25	19.0	30.0	.12	5	8	34	14	2
RC		27	1	73	79	.232	.91	.46	60.5	130.0	.66	28	60	194	83	18
RC		28	1	73	74	.210	.91									
RC		40	1	74	126	.102	.91	.31	125.0	390.0	.90	38	119	265	113	35
RC		Totals	8	73	85	2.455	7.27	5.02	36.3	98.0	4.28	182	491	1,259	535	144
BM		6	1	73	52	4.200	.91	4.20								
BM		7	4	73	33	12.788	3.64	9.66	1.6	6.5	.41	15	63	119	45	18
BM		8	2	73	35	5.024	1.82	5.02	3.7	14.8	.49	19	74	145	55	22
BM		10	2	72	40	3.313	1.82	3.31	8.8	24.7	.77	29	82	226	85	24
BM		11	1	73	52	1.378	.91	1.38	13.7	40.0	.50	19	55	147	55	16
BM		Totals	10	73	38	26.702	9.09	23.57	3.5	11.6	2.17	82	274	637	240	80
CH		9	1	72	47	2.013	.91	2.01	6.7	20.0		13	40		40	12
CH		Totals	1	72	47	2.013	.91	2.01	6.7	20.0		13	40		40	12
Totals			224	85	71	189.287	203.64	354.62	16.2	65.5	161.68	5,731	23,224	47,534	16,850	6,828

TC PSTATS

PROJECT STATISTICS

PROJECT NESTOR

DATE 5/20/2003

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
04N	10E	28	NESTOR	0001	294.00	44	224	S	WE

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	44	224	5.1		
CRUISE	44	224	5.1	55,650	.4
DBH COUNT					
REFOREST					
COUNT					
BLANKS					
100 %					

STAND SUMMARY

	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
DOUG FIR	117	71.0	16.6	65	27	106.4	14,207	13,810	3,321	3,321
DOUG FIR-T	56	70.2	11.5	48	15	50.9	5,791	5,587	1,323	1,325
GRAND F	11	6.3	17.1	62	2	10.0	1,273	1,141	303	304
GRAND F-T	5	8.6	9.8	44	1	4.5	592	581	119	119
OGDF	16	1.9	37.1	94		14.5	1,878	1,300	386	386
BL MAPLE	10	26.7	7.9	24		9.1	274	274	82	82
WR CEDAR	8	2.5	23.3	69		7.3	592	491	182	182
CHERRY	1	2.0	9.1	40		.9	40	40	13	13
TOTAL	*224*	*189.3*	*14.0*	*52*		*203.6*	*24,647*	*23,224*	*5,729*	*5,731*

SD: 1	COEFF VAR.%	S.E.%	SAMPLE TREES - BF LOW	AVG	HIGH	# OF TREES REQ. 6	9	INF. POP. 10
DOUG FIR	139.7	9.3	127	140	153			
DOUG FIR-T	221.6	14.8	26	30	35			
GRAND F	504.1	33.7	8	12	16			
GRAND F-T	774.8	51.8	1	2	3			
OGDF	483.5	32.3	41	61	80			
BL MAPLE	635.0	42.4	0	1	1			
WR CEDAR	834.7	55.8	4	10	16			
CHERRY	1496.7	100.0		0	0			
TOTAL	*122.7*	*8.2*	*235*	*256*	*277*	*419*	*186*	*151*

SD: 1	COEFF VAR.%	S.E.%	SAMPLE TREES - CF LOW	AVG	HIGH	# OF TREES REQ. 6	9	INF. POP. 10
DOUG FIR	129.7	8.7	30	33	36			
DOUG FIR-T	219.9	14.7	6	7	8			
GRAND F	533.1	35.6	2	3	5			
GRAND F-T	806.3	53.9	0	0	1			
OGDF	460.3	30.8	12	18	23			
BL MAPLE	665.0	44.4	0	0	0			
WR CEDAR	772.8	51.6	2	4	6			
CHERRY	1496.7	100.0	0	0	0			
TOTAL	*127.1*	*8.5*	*60*	*66*	*71*	*449*	*200*	*162*

SD: 1	COEFF VAR.%	S.E.%	TREES/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 6	9	INF. POP. 10
DOUG FIR	70.6	10.6	63	71	79			
DOUG FIR-T	150.1	22.6	54	70	86			
GRAND F	338.8	51.1	3	6	9			
GRAND F-T	433.0	65.3	3	9	14			
OGDF	225.8	34.0	1	2	3			
BL MAPLE	259.8	39.2	16	27	37			
WR CEDAR	300.4	45.3	1	2	4			
CHERRY	663.3	100.0		2	4			
TOTAL	*75.2*	*11.3*	*168*	*189*	*211*	*157*	*70*	*57*

TC PSTATS

PROJECT STATISTICS

PROJECT NESTOR

DATE 5/20/2003

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
04N	10E	28	NESTOR	0001	294.00	44	224	S	WE

SD: 1	COEFF VAR.	S.E.%	BASAL AREA/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 6	9	INF. POP. 10

SD: 1	COEFF VAR.%	S.E.%	BASAL AREA/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 6	9	INF. POP. 10
DOUG FIR	65.4	9.9	96	106	117			
DOUG FIR-T	131.7	19.8	41	51	61			
GRAND F	287.7	43.4	6	10	14			
GRAND F-T	433.4	65.3	2	5	8			
OGDF	197.5	29.8	10	15	19			
BL MAPLE	248.6	37.5	6	9	12			
WR CEDAR	272.4	41.1	4	7	10			
CHERRY	663.3	100.0		1	2			
TOTAL	*54.2*	*8.2*	*187*	*204*	*220*	*82*	*36*	*29*

SD: 1	COEFF VAR.%	S.E.%	NET BF/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 6	9	INF. POP. 10
DOUG FIR	83.6	12.6	12,068	13,810	15,551			
DOUG FIR-T	140.9	21.2	4,400	5,587	6,773			
GRAND F	303.4	45.7	619	1,141	1,663			
GRAND F-T	460.7	69.5	178	581	985			
OGDF	213.4	32.2	882	1,300	1,718			
BL MAPLE	241.4	36.4	174	274	373			
WR CEDAR	352.9	53.2	230	491	753			
CHERRY	663.3	100.0	0	40	81			
TOTAL	*70.4*	*10.6*	*20,758*	*23,224*	*25,689*	*138*	*61*	*50*

SD: 1	COEFF VAR.%	S.E.%	NET CUFT FT/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 6	9	INF. POP. 10
DOUG FIR	75.3	11.3	2,944	3,321	3,698			
DOUG FIR-T	140.1	21.1	1,045	1,325	1,604			
GRAND F	301.6	45.5	166	304	442			
GRAND F-T	471.8	71.1	34	119	203			
OGDF	208.2	31.4	265	386	508			
BL MAPLE	248.6	37.5	51	82	112			
WR CEDAR	333.4	50.3	91	182	273			
CHERRY	663.3	100.0		13	27			
TOTAL	*63.0*	*9.5*	*5,187*	*5,731*	*6,276*	*110*	*49*	*40*

TC PSPCSTGR

Species, Sort Grade - Board Foot Volumes (Project)

T04N R10E S28 Ty0001 294.00

Project: NESTOR

Acres 294.00

Page 1
Date 5/20/2003
Time 8:04:50AM

Spp	S T	So Gr rt ad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent of Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-30	31-35	36-99	Average Log Ln Ft	Bd Ft	CF/ Lf	Logs Per /Acre
DF		DM2S	30	1.8	7,154	7,025	2,065		10	72	18		0	100		32	213	1.45	32.9
DF		DM3S	29	3.9	6,887	6,620	1,946		90	9	1	5	8	87	1	27	60	0.59	109.9
DF		DM4S	1		165	165	49		100			67	33			5	6	0.28	27.2
DF	**Totals**		59	2.8	14,207	13,810	4,060		50	41	9	3	4	92	0	25	81	0.80	170.0
DF	T	DM2S	4	4.3	1,088	1,042	306		34	66				100		32	148	1.07	7.0
DF	T	DM3S	18	3.6	4,430	4,271	1,256		100			4	14	80	2	26	51	0.47	83.4
DF	T	DM4S	1		274	274	81		100			71	29			7	8	0.22	35.4
DF	**Totals**		24	3.5	5,791	5,587	1,642		88	12		6	13	80	2	21	44	0.49	125.9
GF		DM2S	2	11.3	500	443	130			62	38			100		32	248	1.85	1.8
GF		DM3S	3	10.4	723	647	190		84	16			13	70	17	27	65	0.69	9.9
GF		DM4S	0		50	50	15		100			8	92			14	27	0.42	1.9
GF	**Totals**		5	10.4	1,273	1,141	335		52	33	15	0	11	79	10	26	84	0.86	13.6
GF	T	DM3S	2	2.3	455	444	131		100				7	93		28	57	0.45	7.8
GF	T	DM4S	1		137	137	40		100			100				14	20	0.22	6.9
GF	**Totals**		3	1.8	592	581	171		100			24	6	71		22	40	0.38	14.7
BM		DM3S	0		55	55	16		100				100			26	40	0.53	1.4
BM		DM4S	1		219	219	64		100			79	21			10	10	0.28	22.2
BM	**Totals**		1		274	274	80		100			63	37			11	12	0.32	23.6
OG		DM3P	1	14.6	207	177	52				100			100		32	739	5.55	.2
OG		DM2S	1	43.3	494	280	82			13	87			100		32	442	5.13	.6
OG		DM3S	4	28.2	1,159	833	245		5	19	75	0	1	99		31	264	2.39	3.2
OG		DM4S	0	44.4	19	10	3		100					100		32	50	1.09	.2
OG	**Totals**		6	30.8	1,878	1,300	382		4	15	81	0	1	99		31	307	2.93	4.2
CH		DM4S	0		40	40	12		100			100				18	20	0.37	2.0
CH	**Totals**		0		40	40	12		100			100				18	20	0.37	2.0
RC		DM3S	2	16.9	592	491	144		44	34	22		6	91	3	26	98	1.38	5.0
RC	**Totals**		2	16.9	592	491	144		44	34	22		6	91	3	26	98	1.38	5.0
Totals				5.8	24,647	23,224	6,828		58	31	11	5	7	87	1	22	65	0.71	359.0

TC PSTNDSUM

Stand Table Summary

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Date: 5/20/2003

T04N R10E S28 Ty0001 5.00

Project NESTOR R/W New Const. all take
Acres 5.00

Time: 8:06:34AM
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		6	1	88	20	4.336	.91									
DF		7	2	88	34	7.890	1.82	7.89								
DF		8	2	88	52	5.341	1.82	5.34	4.6	25.0	.69	24	134	3	1	1
DF		9	5	88	57	10.043	4.55	11.97	6.5	28.6	2.22	78	342	11	4	2
DF		10	6	87	64	9.988	5.45	13.47	8.1	34.4	3.14	110	464	16	5	2
DF		11	8	88	87	11.419	7.27	24.09	8.3	37.1	5.69	200	893	28	10	4
DF		12	6	87	65	6.973	5.45	12.75	9.6	36.2	3.48	122	461	17	6	2
DF		13	18	88	73	17.898	16.36	34.82	12.0	47.2	11.94	419	1,644	60	21	8
DF		14	18	88	82	15.371	16.36	38.47	12.4	50.9	13.56	476	1,960	68	24	10
DF		15	16	87	86	11.742	14.55	32.25	13.4	56.4	12.32	433	1,819	62	22	9
DF		16	10	88	88	6.506	9.09	16.92	16.1	65.7	7.75	272	1,112	39	14	6
DF		17	11	88	87	6.365	10.00	16.25	19.6	78.1	9.06	318	1,269	45	16	6
DF		18	13	88	96	6.773	11.82	18.21	22.4	91.5	11.62	408	1,667	58	20	8
DF		19	14	87	95	6.506	12.73	19.05	22.7	92.6	12.35	433	1,764	62	22	9
DF		20	11	88	91	4.663	10.00	12.71	26.5	106.7	9.61	337	1,356	48	17	7
DF		21	8	88	92	3.022	7.27	8.67	28.3	121.2	7.00	245	1,051	35	12	5
DF		22	5	87	100	1.716	4.55	5.15	32.0	147.7	4.69	165	761	23	8	4
DF		23	5	88	110	1.609	4.55	5.15	34.4	154.2	5.05	177	794	25	9	4
DF		24	1	88	102	.294	.91	.88	38.0	176.7	.96	34	156	5	2	1
DF		25	2	87	63	.540	1.82	1.08	42.3	151.7	1.30	46	164	7	2	1
DF		26	3	88	98	.747	2.73	2.00	50.2	229.9	2.85	100	459	14	5	2
DF		27	2	87	107	.462	1.82	1.39	50.4	239.9	1.99	70	333	10	3	2
DF		28	1	88	125	.216	.91	.86	46.3	242.5	1.14	40	209	6	2	1
DF		29	1	87	78	.198	.91	.40	71.7	175.0	.81	28	69	4	1	0
DF		30	2	88	108	.374	1.82	1.12	64.2	313.1	2.05	72	352	10	4	2
DF		31	1	87	91	.176	.91	.53	59.3	286.7	.89	31	151	4	2	1
DF		40	1	88	70	.104	.91	.10	59.5	120.0	.18	6	13	1	0	0
DF		Totals	173	88	75	141.275	157.27	291.54	15.9	66.5	132.35	4,646	19,396	662	232	97
GF		7	1	87	44	3.306	.91	3.31	2.6	20.0	.24	8	66	1	0	0
GF		10	2	87	99	3.547	1.82	7.09	7.5	40.0	1.52	53	284	8	3	1
GF		12	1	88	110	1.157	.91	2.31	14.2	60.0	.93	33	139	5	2	1
GF		13	3	88	83	3.070	2.73	6.14	13.0	51.5	2.29	80	316	11	4	2
GF		15	2	87	83	1.505	1.82	3.72	15.8	64.0	1.68	59	238	8	3	1
GF		18	1	88	92	.538	.91	1.61	18.2	73.3	.84	29	118	4	1	1
GF		20	2	87	89	.821	1.82	2.46	24.9	100.0	1.76	61	246	9	3	1
GF		23	1	87	80	.321	.91	.32	74.0	230.0	.68	24	74	3	1	0
GF		26	1	88	87	.256	.91	.51	60.7	250.0	.89	31	128	4	2	1
GF		28	1	88	95	.208	.91	.42	28.4	85.0	.34	12	35	2	1	0
GF		31	1	88	87	.171	.91	.34	92.3	225.0	.91	32	77	5	2	0
GF		Totals	16	87	81	14.902	14.55	28.25	14.9	61.0	12.07	422	1,722	60	21	9
OG		26	1	80	79	.254	.91	.51	48.5	85.0	.69	25	43	3	1	0
OG		28	1	80	86	.207	.91	.21	35.0	50.0	.20	7	10	1	0	0
OG		30	2	79	118	.371	1.82	.74	37.2	124.8	.77	28	92	4	1	0
OG		34	1	80	139	.144	.91	.58	65.1	280.0	1.05	38	161	5	2	1
OG		36	1	80	118	.131	.91	.39	86.5	273.3	.95	34	107	5	2	1
OG		38	2	79	130	.231	1.82	.69	105.3	348.3	2.04	73	241	10	4	1
OG		39	1	80	139	.111	.91	.22	76.5	215.0	.48	17	48	2	1	0
OG		42	1	80	139	.095	.91	.28	134.3	600.0	1.07	38	171	5	2	1
OG		45	1	80	139	.082	.91	.25	155.0	510.0	1.07	38	126	5	2	1
OG		46	1	80	152	.079	.91									
OG		51	1	79	139	.065	.91	.20	191.0	670.0	1.04	37	131	5	2	1
OG		52	1	80	118	.061	.91	.06	346.0	800.0	.59	21	49	3	1	0

TC PSTNDSUM

Stand Table Summary

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Date: 5/20/2003

T04N R10E S28 Ty0001 5.00

Project NESTOR R/W New Const.
Acres 5.00

Time: 8:06:34AM
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
OG		54	1	79	121	.057	.91									
OG		56	1	79	118	.053	.91	.11	287.0	1125.0	.85	31	120	4	2	1
OG		Totals	16	80	118	1.941	14.55	4.23	91.2	306.9	10.81	386	1,300	54	19	6
RC		16	1	73	105	.676	.91	2.03	14.2	46.7	.68	29	95	3	1	0
RC		20	1	73	71	.429	.91	.86	31.2	80.0	.63	27	69	3	1	0
RC		24	1	72	71	.280	.91	.56	45.7	100.0	.60	26	56	3	1	0
RC		25	1	73	84	.273	.91	.55	54.3	155.0	.70	30	85	3	1	0
RC		26	1	73	72	.252	.91	.25	19.0	30.0	.12	5	8	1	0	0
RC		27	1	73	79	.232	.91	.46	60.5	130.0	.66	28	60	3	1	0
RC		28	1	73	74	.210	.91									
RC		40	1	74	126	.102	.91	.31	125.0	390.0	.90	38	119	5	2	1
RC		Totals	8	73	85	2.455	7.27	5.02	36.3	98.0	4.28	182	491	21	9	2
BM		6	1	73	52	4.200	.91	4.20								
BM		7	4	73	33	12.788	3.64	9.66	1.6	6.5	.41	15	63	2	1	0
BM		8	2	73	35	5.024	1.82	5.02	3.7	14.8	.49	19	74	2	1	0
BM		10	2	72	40	3.313	1.82	3.31	8.8	24.7	.77	29	82	4	1	0
BM		11	1	73	52	1.378	.91	1.38	13.7	40.0	.50	19	55	2	1	0
BM		Totals	10	73	38	26.702	9.09	23.57	3.5	11.6	2.17	82	274	11	4	1
CH		9	1	72	47	2.013	.91	2.01	6.7	20.0		13	40		1	0
CH		Totals	1	72	47	2.013	.91	2.01	6.7	20.0		13	40		1	0
Totals			224	85	71	189.287	203.64	354.62	16.2	65.5	161.68	5,731	23,224	808	287	116

TC PSPCSTGR

Species, Sort Grade - Board Foot Volumes (Project)

T04N R10E S28 Ty0001 5.00

Project: NESTOR R/W New Const. will take

Acres 5.00

Page 1
Date 5/20/2003
Time 8:06:30AM

Spp	S T	So Gr rt ad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent of Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-30	31-35	36-99	Average Log Ln Ft	Bd Ft	CF/ Lf	Logs Per /Acre
DF		DM2S	35	2.1	8,242	8,066	40		13	71	15		0	100		32	202	1.38	40.0
DF		DM3S	47	3.8	11,317	10,890	54		94	5	1	5	10	84	1	27	56	0.54	193.3
DF		DM4S	2		439	439	2		100			69	31			6	7	0.24	62.6
DF	**Totals**		84	3.0	19,998	19,396	97		61	33	7	4	7	89	1	23	66	0.68	295.9
GF		DM2S	2	11.3	500	443	2			62	38			100		32	248	1.85	1.8
GF		DM3S	5	7.3	1,177	1,091	5		90	10			11	79	10	28	62	0.58	17.7
GF		DM4S	1		188	188	1		100			75	25			14	21	0.26	8.8
GF	**Totals**		7	7.6	1,865	1,722	9		68	22	10	8	9	76	6	24	61	0.63	28.2
BM		DM3S	0		55	55	0		100				100			26	40	0.53	1.4
BM		DM4S	1		219	219	1		100			79	21			10	10	0.28	22.2
BM	**Totals**		1		274	274	1		100			63	37			11	12	0.32	23.6
OG		DM3P	1	14.6	207	177	1				100			100		32	739	5.55	.2
OG		DM2S	1	43.3	494	280	1			13	87			100		32	442	5.13	.6
OG		DM3S	4	28.2	1,159	833	4		5	19	75	0	1	99		31	264	2.39	3.2
OG		DM4S	0	44.4	19	10	0		100					100		32	50	1.09	.2
OG	**Totals**		6	30.8	1,878	1,300	6		4	15	81	0	1	99		31	307	2.93	4.2
CH		DM4S	0		40	40	0		100			100				18	20	0.37	2.0
CH	**Totals**		0		40	40	0		100			100				18	20	0.37	2.0
RC		DM3S	2	16.9	592	491	2		44	34	22		6	91	3	26	98	1.38	5.0
RC	**Totals**		2	16.9	592	491	2		44	34	22		6	91	3	26	98	1.38	5.0
Totals				5.8	24,647	23,224	116		58	31	11	5	7	87	1	22	65	0.71	359.0

TC PSTATS

PROJECT STATISTICS

PROJECT NESTOR R/W New Const.

DATE 5/20/2003

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
04N	10E	28	NESTOR	0001	5.00	44	224	S	WE

SD: 1	COEFF VAR.	S.E.%	BASAL AREA/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 6	9	INF. POP. 10

SD: 1	COEFF VAR.%	S.E.%	BASAL AREA/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 6	9	INF. POP. 10
DOUG FIR	65.4	9.9	96	106	117			
DOUG FIR-T	131.7	19.8	41	51	61			
GRAND F	287.7	43.4	6	10	14			
GRAND F-T	433.4	65.3	2	5	8			
OGDF	197.5	29.8	10	15	19			
BL MAPLE	248.6	37.5	6	9	12			
WR CEDAR	272.4	41.1	4	7	10			
CHERRY	663.3	100.0		1	2			
TOTAL	*54.2*	*8.2*	*187*	*204*	*220*	*82*	*36*	*29*

SD: 1	COEFF VAR.%	S.E.%	NET BF/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 6	9	INF. POP. 10
DOUG FIR	83.6	12.6	12,068	13,810	15,551			
DOUG FIR-T	140.9	21.2	4,400	5,587	6,773			
GRAND F	303.4	45.7	619	1,141	1,663			
GRAND F-T	460.7	69.5	178	581	985			
OGDF	213.4	32.2	882	1,300	1,718			
BL MAPLE	241.4	36.4	174	274	373			
WR CEDAR	352.9	53.2	230	491	753			
CHERRY	663.3	100.0		40	81			
TOTAL	*70.4*	*10.6*	*20,758*	*23,224*	*25,689*	*138*	*61*	*50*

SD: 1	COEFF VAR.%	S.E.%	NET CUFT FT/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 6	9	INF. POP. 10
DOUG FIR	75.3	11.3	2,944	3,321	3,698			
DOUG FIR-T	140.1	21.1	1,045	1,325	1,604			
GRAND F	301.6	45.5	166	304	442			
GRAND F-T	471.8	71.1	34	119	203			
OGDF	208.2	31.4	265	386	508			
BL MAPLE	248.6	37.5	51	82	112			
WR CEDAR	333.4	50.3	91	182	273			
CHERRY	663.3	100.0	0	13	27			
TOTAL	*63.0*	*9.5*	*5,187*	*5,731*	*6,276*	*110*	*49*	*40*

TC PSTATS

PROJECT STATISTICS

PROJECT NESTOR R/W New Const.

DATE 5/20/2003

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
04N	10E	28	NESTOR	0001	5.00	44	224	S	WE

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	44	224	5.1		
CRUISE	44	224	5.1	946	23.7
DBH COUNT					
REFOREST					
COUNT					
BLANKS					
100 %					

STAND SUMMARY

	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
DOUG FIR	117	71.0	16.6	65	27	106.4	14,207	13,810	3,321	3,321
DOUG FIR-T	56	70.2	11.5	48	15	50.9	5,791	5,587	1,323	1,325
GRAND F	11	6.3	17.1	62	2	10.0	1,273	1,141	303	304
GRAND F-T	5	8.6	9.8	44	1	4.5	592	581	119	119
OGDF	16	1.9	37.1	94		14.5	1,878	1,300	386	386
BL MAPLE	10	26.7	7.9	24		9.1	274	274	82	82
WR CEDAR	8	2.5	23.3	69		7.3	592	491	182	182
CHERRY	1	2.0	9.1	40		.9	40	40	13	13
TOTAL	*224*	*189.3*	*14.0*	*52*		*203.6*	*24,647*	*23,224*	*5,729*	*5,731*

SD: 1	COEFF VAR.%	S.E.%	SAMPLE TREES - BF LOW	AVG	HIGH	# OF TREES REQ. 6	9	INF. POP. 10
DOUG FIR	139.7	9.3	127	140	153			
DOUG FIR-T	221.6	14.8	26	30	35			
GRAND F	504.1	33.7	8	12	16			
GRAND F-T	774.8	51.8	1	2	3			
OGDF	483.5	32.3	41	61	80			
BL MAPLE	635.0	42.4	0	1	1			
WR CEDAR	834.7	55.8	4	10	16			
CHERRY	1496.7	100.0		0	0			
TOTAL	*122.7*	*8.2*	*235*	*256*	*277*	*419*	*186*	*151*

SD: 1	COEFF VAR.%	S.E.%	SAMPLE TREES - CF LOW	AVG	HIGH	# OF TREES REQ. 6	9	INF. POP. 10
DOUG FIR	129.7	8.7	30	33	36			
DOUG FIR-T	219.9	14.7	6	7	8			
GRAND F	533.1	35.6	2	3	5			
GRAND F-T	806.3	53.9	0	0	1			
OGDF	460.3	30.8	12	18	23			
BL MAPLE	665.0	44.4	0	0	0			
WR CEDAR	772.8	51.6	2	4	6			
CHERRY	1496.7	100.0	0	0	0			
TOTAL	*127.1*	*8.5*	*60*	*66*	*71*	*449*	*200*	*162*

SD: 1	COEFF VAR.%	S.E.%	TREES/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 6	9	INF. POP. 10
DOUG FIR	70.6	10.6	63	71	79			
DOUG FIR-T	150.1	22.6	54	70	86			
GRAND F	338.8	51.1	3	6	9			
GRAND F-T	433.0	65.3	3	9	14			
OGDF	225.8	34.0	1	2	3			
BL MAPLE	259.8	39.2	16	27	37			
WR CEDAR	300.4	45.3	1	2	4			
CHERRY	663.3	100.0		2	4			
TOTAL	*75.2*	*11.3*	*168*	*189*	*211*	*157*	*70*	*57*