

Dukes Presale Map
 Cutting Methods Study
 Block E
 Exterior & Interior Boundaries
 Lines subject to change
 as layout "finds" exact locations
 of NCES lines on the ground.
 See paper map for interior boundaries.

LAWSON RD

Block E of EA

70% selection with
17.0" DBH Limit

2905

35
USFS
2905

Group
Selection

Overmature
& Defective

RA

22.0" DBH
Limit

12.0" DBH
Limit

Thinning

M1099Q



46°21'00"N

46°20'45"N

46°20'30"N

46°20'15"N

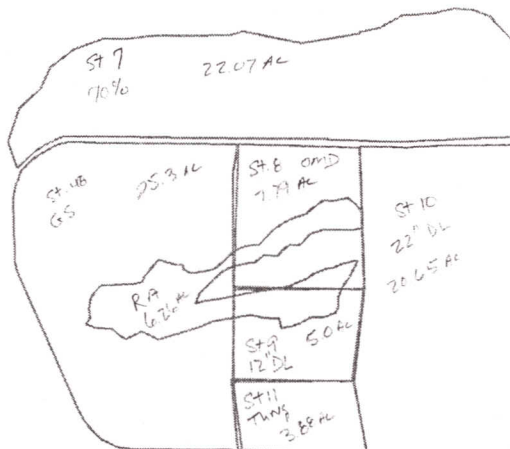
87°09'00"W

87°08'45"W

87°08'30"W

87°08'15"W

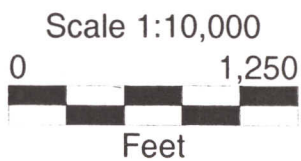
87°08'00"W



ST 7	22.07
ST 8	7.79
ST 9	5.0
ST 10	20.65
ST 11	3.88
ST 4E	3.88
	<hr/>
	84.69
- RA (Reserve Area)	- 6.26
<hr/>	
Total Ac.	78.43 ac

Dukess, Block E

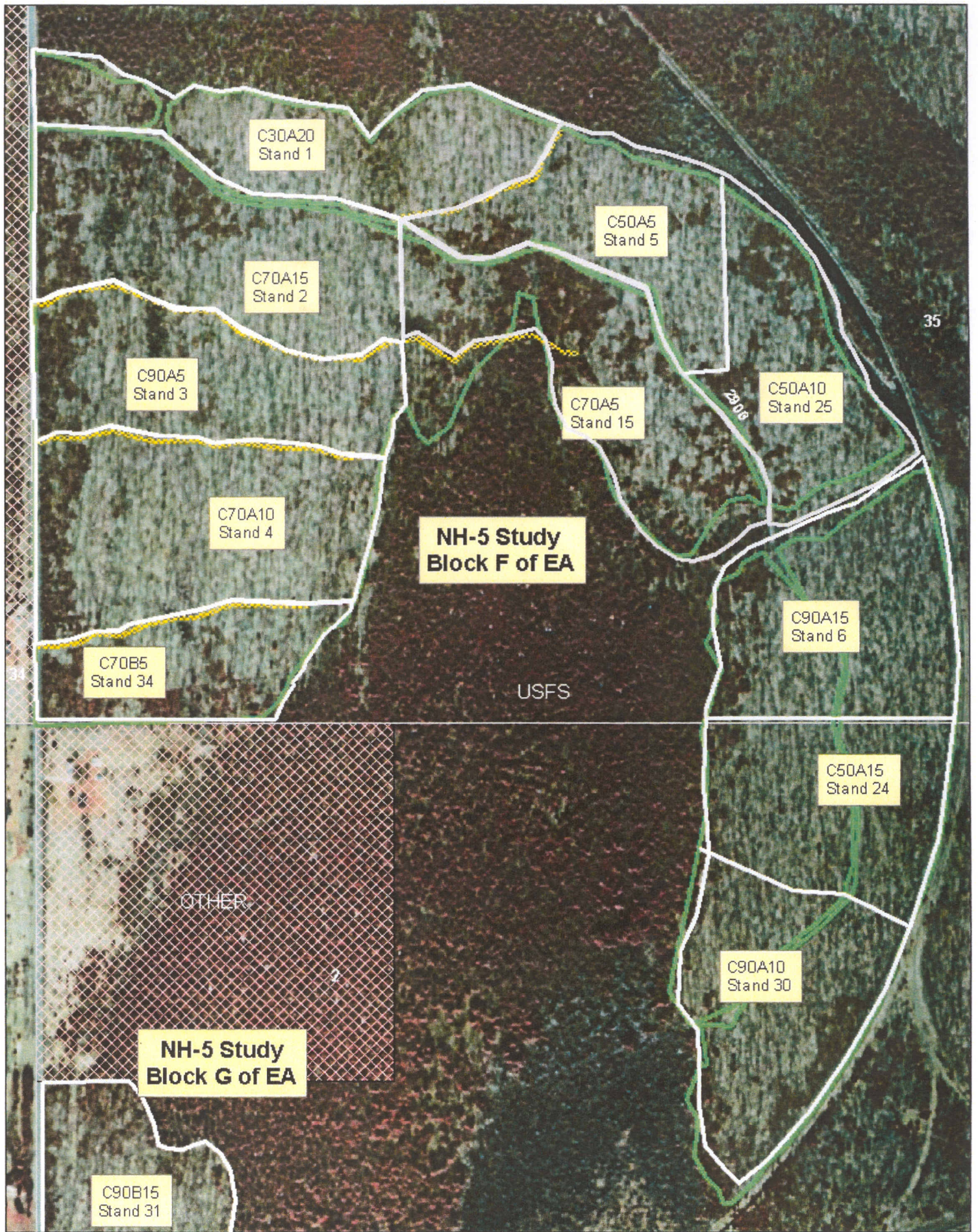
UTM
16 North
NAD 1983 (Conus)



Multiple Files
9/26/2007

GPS Pathfinder[®] Office

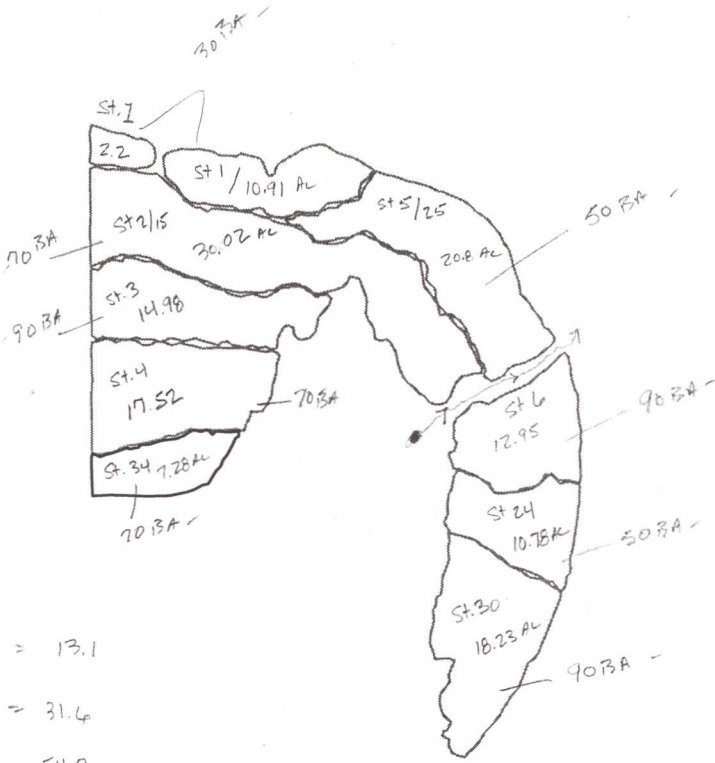




46°20'30"N

46°20'00"N

46°19'30"N



30 BA AC = 13.1
 50 BA AC = 31.4
 70 BA AC = 54.8
 90 BA AC = 46.2

 145.7

Total AC 145.67

87°09'30"W

87°09'00"W

87°08'30"W

Dukes Block F

UTM
 16 North
 NAD 1983 (Conus)



Multiple Files
 5/9/2007

GPS Pathfinder® Office



RUN DATE: 4-23-2008

CRUISE #: 30495

SALENAME: Dukey

SALE #: 30495

REPORT TC4 - STAND TABLE FOR STRATA 5

VER 10.05.2004

NET CUFT VOLUME (FOR PRIMARY PRODUCT ONLY)
BY 2" DIAMETER CLASS (FOR CUT TREES ONLY)

(12-inch class = 11.0 - 12.9 inches; 14-inch class = 13.0 - 14.9 inches, and so on.)

SPEC	371	318	318	318	951	316	371	241	531	531	
PROD	02	01	02	01	01	01	01	02	01	02	
U OF M	03	03	03	03	03	03	03	03	03	03	TOTALS
1-4	0	0	0	0	0	0	0	0	0	0	0
6	0	0	982	0	0	0	0	0	0	0	982
8	0	0	907	0	0	0	0	0	0	0	907
10	0	0	1816	0	0	0	0	0	0	0	1816
12	0	847	0	443	355	0	257	0	0	0	1903
14	190	1258	299	0	0	0	0	140	0	0	1887
16	0	1468	0	0	0	0	0	0	0	0	1468
18	0	2148	318	750	633	0	565	63	0	0	4477
20	0	2814	0	0	0	0	0	383	0	0	3197
22	0	2058	0	0	0	0	961	0	0	901	3920
24	0	12849	0	0	0	0	0	0	0	0	12849
26	0	1823	0	0	0	0	1288	0	0	0	3112
28	0	1675	0	0	0	0	0	0	0	0	1675
TOTALS	190	26940	4321	1193	989	3071	63	522	901	0	38191

RUN DATE: 4-23-2008
CRUISE #: 30495
SALENAME: Dukey
SALE #: 30495

REPORT TC4 - STAND TABLE FOR STRATA 6
VER 10.05.2004
NET CUFT VOLUME (FOR PRIMARY PRODUCT ONLY)
BY 2" DIAMETER CLASS (FOR CUT TREES ONLY)

(12-inch class = 11.0 - 12.9 inches; 14-inch class = 13.0 - 14.9 inches, and so on.)

SPEC /	012 /	316 /	318 /	371 /	371 /	371 /	318 /	316 /	951 /	951 /	951 /	TOTALS
PROD /	02 /	01 /	01 /	01 /	02 /	02 /	02 /	02 /	01 /	02 /	03 /	
U OF M /	03 /	03 /	03 /	03 /	03 /	03 /	03 /	03 /	03 /	03 /	03 /	
1-4 /	0 /	0 /	0 /	0 /	0 /	0 /	0 /	0 /	0 /	0 /	0 /	0
6 /	168 /	0 /	0 /	0 /	296 /	1043 /	514 /	514 /	0 /	319 /	0 /	2341
8 /	431 /	0 /	0 /	0 /	0 /	5178 /	600 /	600 /	0 /	0 /	0 /	6209
10 /	482 /	0 /	0 /	0 /	0 /	880 /	1082 /	1082 /	0 /	0 /	0 /	2444
12 /	650 /	0 /	899 /	650 /	0 /	371 /	212 /	212 /	0 /	0 /	0 /	2782
14 /	0 /	1142 /	3308 /	0 /	158 /	0 /	0 /	0 /	0 /	0 /	0 /	4608
16 /	0 /	1225 /	1216 /	857 /	0 /	0 /	0 /	0 /	0 /	0 /	0 /	3299
18 /	0 /	1912 /	900 /	0 /	0 /	766 /	0 /	0 /	0 /	0 /	0 /	3578
20 /	0 /	0 /	3462 /	1030 /	0 /	1107 /	0 /	1250 /	0 /	0 /	0 /	6848
22 /	0 /	0 /	6465 /	2128 /	727 /	0 /	0 /	0 /	0 /	0 /	0 /	9320
24 /	0 /	1458 /	10010 /	0 /	0 /	0 /	0 /	0 /	0 /	0 /	0 /	11468
26 /	0 /	0 /	9756 /	1770 /	0 /	631 /	0 /	0 /	0 /	0 /	0 /	12158
28 /	0 /	2285 /	10678 /	0 /	0 /	0 /	0 /	0 /	0 /	0 /	0 /	12963
30 /	0 /	0 /	6101 /	0 /	0 /	0 /	0 /	0 /	0 /	0 /	0 /	6101
TOTALS /	1731 /	8022 /	52795 /	6436 /	1181 /	9977 /	2408 /	1250 /	1250 /	319 /	0 /	84120

RUN DATE: 4-23-2008
 CRUISE #: 30495
 SALENAME: Dukey
 SALE #: 30495

REPORT UC3
 VER 10.05.2004
 VOLUME BY SPECIES WITHIN CUTTING UNIT FOR EACH STRATUM *
 (FOR CUT TREES ONLY)

S		TOTAL		***** SAWTIMBER *****		***** NON-SAWTIMBER *****	
EST.	# OF	EST.	# OF	(PROD = 01 UM = 01, 03)	(PROD NOT = 01 UM = 02, 03)	(AND ALL SECONDARY PRODUCT VOLUMES)	
TREES	TREES	TREES	TREES	BDFT	CUFT	BDFT	CUFT
4 D90 012	36	0	0	0	0	594	594
4 D90 261	57	0	0	0	0	336	336
4 D90 316	187	24	4924	4723	917	1456	1336
4 D90 318	1368	287	126468	111783	19214	15252	13343
4 D90 371	172	52	18193	16941	2848	3048	2760
4 D90 531	389	54	11028	10177	1704	3468	3134
4 D90 541	3	3	556	556	98	44	44
4 D90 951	44	18	2587	2498	487	299	299
UNIT D90 TOTAL	2256	438	163756	28157	146677	24494	21826
							310.05

STRATA	4	TOTAL	7951	836317	143561	748646	128746	87800	80336	1111.36
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5 E12	316	21	2273	470	2067	428	273	273	273	3.45
5 E12 318	82	70	10912	2109	10147	1961	1071	1071	1000	13.56
5 E12 371	12	9	1320	247	1184	225	156	156	142	1.97
5 E12 531	11	8	465	82	425	76	440	440	440	5.57
5 E12 951	14	14	1017	222	1017	222	103	103	103	1.30
UNIT E12 TOTAL	140	122	15988	3130	14840	2911	2043	2043	1957	25.85

5 E22	316	4	441	91	401	83	53	53	53	.67
5 E22 318	182	111	40801	7169	37701	6626	2254	2254	2226	28.51
5 E22 371	15	15	5311	902	4432	755	160	160	160	2.02
5 E22 531	6	6	943	154	679	111	222	222	222	2.81
5 E22 951	7	7	1196	233	1196	233	61	61	61	.78
UNIT E22 TOTAL	214	143	48693	8549	44409	7808	2750	2750	2723	34.80

5 E70	241	2	0	0	0	0	73	73	63	.93
5 E70 316	5	5	530	109	482	100	64	64	64	.80

RUN DATE: 4-23-2008
CRUISE #: 30495
SALENAME: Duke
SALE #: 30495

REPORT UC3
VER 10.05.2004
VOLUME BY SPECIES WITHIN CUTTING UNIT FOR EACH STRATUM *
(FOR CUT TREES ONLY)

TOTAL		***** SAWTIMBER ***** (PROD = 01 UM = 01, 03)										***** NON-SAWTIMBER ***** (PROD NOT = 01 UM = 02, 03) (AND ALL SECONDARY PRODUCT VOLUMES)									
EST.	# OF	** GROSS VOLUME **	BDFT	CUFT	** NET VOLUME **	BDFT	CUFT	GROSS	CUFT	NET	CUFT	CORDS									
TREES	TREES	TREES	TREES	TREES	TREES	TREES	TREES	TREES	TREES	TREES	TREES	TREES									
5 E70 318	353	174	65302	11458	60334	10590	4267	4143	53.99												
5 E70 371	28	24	8509	1443	7094	1207	342	324	4.34												
5 E70 531	13	9	1492	244	1067	175	690	690	8.73												
5 E70 951	11	11	1857	359	1857	359	91	91	1.16												
UNIT E70 TOTAL	411	222	77690	13613	70834	12430	5528	5376	69.95												
5 EGS 316	7	7	794	164	722	150	95	95	1.21												
5 EGS 318	223	75	23707	4213	21922	3897	2187	2124	27.65												
5 EGS 371	12	10	3061	525	2575	444	156	145	1.97												
5 EGS 531	7	5	601	100	455	76	355	355	4.50												
5 EGS 951	7	7	869	175	869	175	57	57	.72												
UNIT EGS TOTAL	257	104	29033	5178	26544	4742	2851	2778	36.05												
5 EMD 316	4	4	397	82	361	75	48	48	.60												
5 EMD 318	97	53	18014	3183	16651	2943	1097	1085	13.88												
5 EMD 371	7	7	2336	399	1957	335	75	75	.94												
5 EMD 531	3	3	436	72	323	54	109	109	1.38												
5 EMD 951	4	4	594	118	594	118	35	35	.45												
UNIT EMD TOTAL	115	71	21777	3854	19885	3525	1364	1352	17.25												
5 ETH 316	7	7	816	169	742	154	98	98	1.24												
5 ETH 318	206	29	5273	994	4895	923	1479	1452	18.68												
5 ETH 371	5	4	651	119	572	106	62	57	.78												
5 ETH 531	4	3	197	34	173	31	169	169	2.14												
5 ETH 951	5	5	400	86	400	86	38	38	.49												
UNIT ETH TOTAL	228	48	7338	1402	6784	1299	1846	1814	23.33												
STRATA 5 TOTAL	1365	710	200518	35726	183295	32715	16382	15998	207.23												

RUN DATE: 4-23-2008
 CRUISE #: 30495
 SALENAME: Dukey
 SALE #: 30495

REPORT UC3
 VER 10.05.2004
 VOLUME BY SPECIES WITHIN CUTTING UNIT FOR EACH STRATUM *
 (FOR CUT TREES ONLY)

S		TOTAL		***** SAWTIMBER *****		***** NON-SAWTIMBER *****	
EST.	EST.	EST.	EST.	(PROD = 01 UM = 01, 03)	(PROD NOT = 01 UM = 02, 03)	(AND ALL SECONDARY PRODUCT VOLUMES)	
# OF	# OF	** GROSS VOLUME **	** NET VOLUME **	BDFT	CUFT	BDFT	CUFT
TREES	TREES	TREES	TREES	BDFT	CUFT	BDFT	CUFT
A T S	A T S	A T S	A T S	BDFT	CUFT	BDFT	CUFT
6 F30 012	8	0	0	0	0	0	73
6 F30 316	45	18	779	3926	768	3926	423
6 F30 318	199	78	5157	27959	4876	27959	2177
6 F30 371	26	18	674	3800	606	3417	268
6 F30 951	8	2	113	623	113	623	37
UNIT F30 TOTAL	287	115	6723	37993	6363	35924	2979
6 F50 012	28	0	0	0	0	0	256
6 F50 316	105	47	2177	11189	2147	11048	1038
6 F50 318	470	214	14850	85528	14031	80758	5801
6 F50 371	67	47	1909	10813	1717	9733	744
6 F50 951	19	5	331	1825	331	1825	83
UNIT F50 TOTAL	688	314	19267	109354	18226	103363	7923
6 F70 012	103	0	0	0	0	0	943
6 F70 316	175	65	3065	15795	3023	15597	1630
6 F70 318	772	300	21186	122213	20011	115367	8002
6 F70 371	96	65	2701	15343	2431	13817	867
6 F70 951	34	7	475	2624	475	2624	150
UNIT F70 TOTAL	1180	437	27428	155974	25941	147405	11592
6 F90 012	50	0	0	0	0	0	458
6 F90 316	173	44	2114	10907	2085	10771	1542
6 F90 318	772	206	14693	84814	13876	80055	8135
6 F90 371	86	44	1868	10618	1681	9563	986
6 F90 951	36	5	331	1825	331	1825	154
UNIT F90 TOTAL	1117	300	19005	108164	17973	102215	11275
STRATA 6 TOTAL	3272	1166	72423	411485	68503	388907	33769
							427.33

REPORT OF TIMBER SALE
Convertible and Nonconvertible Products
(Ref. FSM 2490)

USDA - FOREST SERVICE

REGION : Eastern	FOREST : Hiawatha	DISTRICT (OR AREA): 03	SALE NUMBER: 30495	QUARTER- FY COMPARTMENTS: 1 - 08
STATE : MI	COUNTY : 103	Municipal	Dukey	
ACRES IN SALE: 604.5	SIZE CLASS: 6	SALE NAME: T46N, R23W, Sec.26,23,14,		
BID DATE: 12/11/2007	STATUS: 0	REASON: None	APP. BASE PERIOD: 0707	ZONE : 1
SALE CONDITION: 1	PRICING METHOD: FLAT	TOTAL KV PLAN: 111,743	TERM DATE : 11/30/2011	CONTRACT DATE:
CONTRACT NO.: 025329	CONTRACT FORM: 2400-6T	CONTRACTING OFFICER: D	METHOD OF SALE: S	REG: 6

Species	Spec Code	Prod Unit	Volume	Advert. Rates	Stat High Bid	High Bidder	2nd Hi Bidder	3rd Hi Bidder	4th Hi Bidder	5th Hi Bidder	6th Hi Bidder	7th Hi Bidder	8th Hi Bidder	9th Hi Bidder	10th Hi Bidder	11th Hi Bidder	12th Hi Bidder	13th Hi Bidder	14th Hi Bidder	
MH	004	01-03	383.00	75.58	125.00	125.00	76.00	76.27	100.00											
SM	318	01-03	2,016.00	170.01	279.76	279.76	255.00	227.84	206.00											
YB	371	01-03	301.00	167.97	185.00	185.00	168.00	168.22	175.00											
MC	001	02-03	60.00	1.92	2.00	2.00	34.00	11.63	30.00											
MH	004	02-03	1,780.00	15.47	19.00	19.00	18.00	28.59	30.00											
Total/Avg			4,540.00	99.10	154.51	154.51														

I Certify that I have personally examined the bids submitted for this sale and that this is an accurate record thereof.

Signature: *William E. Egan*

Title: *Forest Service Rep.* Date: *12/11/07*

Remarks: *All Bids Are Responsive.*

Rank	Name	Bidder Size	Bidder Class	SBA Certification	Total Bid Value
1	BESSE FOREST PRODUCTS	2	M	N	\$701,496.16
2	WEYERHAEUSER COMPANY	3	M	N	\$627,836.00
3	MANTHEI INC.	2	M	N	\$590,759.07
4	TIMBER PRODUCTS MICHIGAN LP	2	M	N	\$561,471.00

Appraised Value: \$ 449,898.07