CRUISE REPORT HEADER & CERTIFICATION
CRUISE#: 5026 SALE#: 5026
SALENAME: HORNET
RUN DATE & TIME: 04-05-2016 08:02:56

Year: 2013 Region: 01 Forest: 14 District: 05
Remarks: timber sale
FILENAME: C:\Users\jmcraig\Desktop\Wyoma Hornet\SO Drafts\Final Cruises\Hornet_Final.crz
REPORTS: A1,CS1,CS4,DP1,DP2,DS1,R101,R103,UC1,UC3,UC5,

********** CRUISE CERTIFICATION **********

I certify that the timber for the Hornet timber sale has been designated and cruised by the procedures and standards in FSH 2409.12, Timber Cruising Handbook. Records of checks are on file at the District Ranger Office,

RANGER DISTRICT _____ (name of headquarters town) _____

DISTRICT RANGER _____ DATE _____

****

Developed and Maintained By:
USDA FOREST SERVICE
WASHINGTON OFFICE TIMBER MANAGEMENT
FORT COLLINS, COLORADO (970)295-5776

VERSION: 10.12.2012
VOLUME LIBRARY VERSION: 10.12.2012
NATIONAL CRUISE PROCESSING PROGRAM

VOLUME EQUATION TABLE
CRUISE#: 5026 SALE#: 5026
SALENAME: HORNET
RUN DATE & TIME: 04-05-2016 08:02:56

VERSION: 10.12.2012
VOLUME LIBRARY VERSION: 10.12.2012

					PRIMARY PRODUCT				SECONDARY PRODUCT				
SPECIES	PROD	VOLUME EQUATION	STUMP HEIGHT	TOTAL CUBIC VOLUME	MIN TOP DIB	BDFT	CUFT	CORDS	MIN TOP DIB	BDFT	CUFT	CORDS	Z SCORE
GF	01	I00FW2W017	1.0	YES	5.6	YES	YES	NO	2.5	YES	YES	NO	0.000
AF	01	I00FW2W019	1.0	YES	5.6	YES	YES	NO	2.5	YES	YES	NO	0.000
L	01	I00FW2W073	1.0	YES	5.6	YES	YES	NO	2.5	YES	YES	NO	0.000
S	01	I00FW2W093	1.0	YES	5.6	YES	YES	NO	2.5	YES	YES	NO	0.000
LP	01	I00FW2W108	1.0	YES	5.6	YES	YES	NO	2.5	YES	YES	NO	0.000
WP	01	I00FW2W119	1.0	YES	5.6	YES	YES	NO	2.5	YES	YES	NO	0.000
PP	01	I00FW2W122	1.0	YES	5.6	YES	YES	NO	2.5	YES	YES	NO	0.000
DF	01	I00FW2W202	1.0	YES	5.6	YES	YES	NO	2.5	YES	YES	NO	0.000
C	01	I00FW2W242	1.0	YES	5.6	YES	YES	NO	2.5	YES	YES	NO	0.000
H	01	I00FW2W260	1.0	YES	5.6	YES	YES	NO	2.5	YES	YES	NO	0.000
GF	08	I00FW2W017	1.0	YES	2.5	YES	YES	NO	0.0	YES	YES	NO	0.000
AF	08	I00FW2W019	1.0	YES	2.5	YES	YES	NO	0.0	YES	YES	NO	0.000
L	08	I00FW2W073	1.0	YES	2.5	YES	YES	NO	0.0	YES	YES	NO	0.000
S	08	I00FW2W093	1.0	YES	2.5	YES	YES	NO	0.0	YES	YES	NO	0.000
LP	08	I00FW2W108	1.0	YES	2.5	YES	YES	NO	0.0	YES	YES	NO	0.000
WP	08	I00FW2W119	1.0	YES	2.5	YES	YES	NO	0.0	YES	YES	NO	0.000
PP	08	I00FW2W122	1.0	YES	2.5	YES	YES	NO	0.0	YES	YES	NO	0.000
DF	08	I00FW2W202	1.0	YES	2.5	YES	YES	NO	0.0	YES	YES	NO	0.000
C	08	I00FW2W242	1.0	YES	2.5	YES	YES	NO	0.0	YES	YES	NO	0.000
H	08	I00FW2W260	1.0	YES	2.5	YES	YES	NO	0.0	YES	YES	NO	0.000
C	14	I00FW2W242	1.0	YES	5.6	YES	YES	NO	0.0	YES	YES	NO	0.000

CRUISE NO.	CUTTING UNIT NO.	CUTTING UNIT ACRES	CUTTING UNIT DESCRIPTION	LOG METHOD	PAYMENT UNIT NO.
5026	214	15.00	LTM	420	214
5026	362	154.00	LTM	420	362
5026	363	40.00	SD	420	363
5026	364	17.00	SD	420	364
5026	369	36.00	LTM	420	369
5026	36P	11.00	LTM	420	36P
5026	47	28.00	LTM	420	47
5026	47B	12.00	SD	420	47B

TOTAL SALE ACRES: 313.00

A1: STRATA, UNIT AND PLOT REPORT
CRUISE#: 5026 SALE#: 5026
SALENAME: HORNET
RUN DATE & TIME: 04-05-2016 08:02:56

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CRUISE NO.	STRATA NO.	CRUISE METHOD	STRATA ACRES	BAF	PLOT SIZE	NO. OF PLOTS	STRATA DESCRIPTION	DATE MMYYYY
5026	10	FIX	216.00	0.00	50.	46	sawlog	92013
5026	11	FIX	285.00	0.00	50.	56	nonsawlog	92013
5026	13	FIX	28.00	0.00	50.	12	nonsaw	92013
5026	14	FIX	69.00	0.00	50.	21	sawlog	92013
5026	9	PNT	28.00	10.00	0.	12	Variable Plot	92013

CS1: VOLUME SUMMARY FOR STRATA
FOR CUT TREES ONLY
CRUISE#: 5026 SALE#: 5026
SALENAME: HORNET
RUN DATE & TIME: 04-05-2016 08:02:57

VERSION: 10.12.2012
VOLUME LIBRARY VERSION: 10.12.2012

STRATA	PRODUCT	PRODUCT SOURCE	UOFM	# OF TREES MEASURED	# OF TREES TALLIED	QUAD MEAN DBH	MEAN DBH	MEAN TOT HT	AVE % BDFT	DEF % CUFT	GROSS BDFT CUFT RATIO	NET BDFT CUFT RATIO	********** STRATA LEVEL ********** EST. # OF TREES	********** VOLUME ********** *** GROSS **** BDFT	*** GROSS **** CUFT	**** NET **** BDFT	**** NET **** CUFT	CORDS
10	01	P	03	88	88	8.6	8.5	61.5	6	6	4.743	4.739	20662	798293	168299	747343	157686	0.0
10	08	S	03											178442	44540	178442	44540	0.0
11	08	P	03	311	311	5.7	5.6	48.6	0	0	5.834	5.831	79151	1682278	288354	1668535	286165	0.0
13	08	P	03	33	33	5.3	5.2	36.3	0	0	5.100	5.108	3850	38503	7549	38503	7537	0.0
14	01	P	03	39	39	8.6	8.6	60.3	10	10	4.595	4.594	6407	249719	54347	224254	48810	0.0
14	08	S	03											50930	13110	50930	13110	0.0
9	01	P	03	72	72	10.1	9.5	63.3	8	8	4.901	4.878	3048	168895	34459	153973	31567	0.0
9	08	S	03											30514	6703	30514	6703	0.0

TOTALS ------

PRODUCT	PRODUCT SOURCE	QUAD MEAN DBH	MEAN DBH	MEAN TOT HT	GROSS BF/CF RATIO	NET BF/CF RATIO	EST. # OF TREES	********** VOLUME ********** ***** GROSS ***** BDFT	***** GROSS ***** CUFT	***** NET ***** BDFT	***** NET ***** CUFT	CORDS
01	P	8.8	8.6	61.4	4.7331	4.7280	30117	1216907	257105	1125570	238064	0.0
08	S							259885	64354	259885	64354	
08	P	5.7	5.6	48.0	5.8154	5.8121	83001	1720781	295903	1707038	293703	0.0
		6.6	6.4	51.6	5.1794	5.1877	113118	3197573	617362	3092493	596120	0.0

PRODUCT SOURCE KEY:

P = PRIMARY PRODUCT
S = SECONDARY PRODUCT
R = RECOVERABLE PRODUCT

CS1: VOLUME SUMMARY FOR STRATA
FOR CUT TREES ONLY
CRUISE#: 5026 SALE#: 5026
SALENAME: HORNET
RUN DATE & TIME: 04-05-2016 08:02:57

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STRATA	PROD	SOURCE	UOM	# OF TREES MEASURED	TALLIED	QUAD MEAN DBH	MEAN DBH	MEAN HEIGHT	AVE DEF % BDFT	DEF % CUFT	GROSS BDFT RATIO	NET CUFT RATIO	********** STRATA LEVEL ********** EST. # OF TREES	*** GROSS *** BDFT	CUFT	**** NET **** BDFT	CUFT	CORDS

The following items are not reported and/or calculated for secondary or recovered products but are shown here as blank so the associated volumes can be reported: Number of measured trees, Quad mean DBH, Mean DBH, Mean height(s), Average defect, any Ratio, Estimated number of trees.

CS4: LIVE/DEAD VOLUME BY PRODUCT AND SPECIES
FOR THE SALE
FOR CUT TREES ONLY
CRUISE#: 5026 SALE#: 5026
SALENAME: HORNET
RUN DATE & TIME: 04-05-2016 08:02:57

VERSION: 10.12.2012
VOLUME LIBRARY VERSION: 10.12.2012

PRODUCT	SPECIES	******** LIVE EST. NO OF TREES	LIVE GROSS CUFT	LIVE NET CUFT	******** DEAD EST. NO OF TREES	DEAD GROSS CUFT	DEAD NET CUFT	******* OTHER EST. NO OF TREES	OTHER GROSS CUFT	OTHER NET CUFT	******* TOTAL EST. NO OF TREES	TOTAL GROSS CUFT	TOTAL NET CUFT
01	DF	3453	22770	21399	0	0	0	0	0	0	3453	22770	21399
	L	2419	36946	34214	0	0	0	0	0	0	2419	36946	34214
	LP	24245	197389	182451	0	0	0	0	0	0	24245	197389	182451
01 TOTAL		30117	257105	238064	0	0	0	0	0	0	30117	257105	238064
08	DF	2450	10096	10096	0	0	0	0	0	0	2450	10096	10096
	L	350	5715	5704	0	0	0	0	0	0	350	5715	5704
	LP	67985	280208	278147	12216	64237	64110	0	0	0	80201	344445	342256
08 TOTAL		70785	296020	293947	12216	64237	64110	0	0	0	83001	360257	358056
TOTALS--		100902	553125	532010	12216	64237	64110	0	0	0	113118	617362	596120

NOTE: Volumes include primary, secondary and recovered for each product number.
Number of trees includes only primary values even though no volume may appear.
Net cubic or board includes recovered volume if present.

DP1: STATISTICS FOR SAMPLE GROUP
FOR CUT TREES ONLY
CRUISE#: 5026 SALE#: 5026
SALENAME: HORNET
RUN DATE & TIME: 04-05-2016 08:02:57

VERSION: 10.12.2012
VOLUME LIBRARY VERSION: 10.12.2012

STRATA	PROD CT	UOM	SAMP GRP	STM	STG SAM 1/2	NO SAM TREES	BIG N	SMALL N	t VALUE	MEAN X	SUM OF X	SUM OF (X * X)	STANDARD DEVIATION	COEFF OF VARIATION	STANDARD ERROR	SAMPLING ERROR	COMBINED SAMPLING ERROR
						********** PRIMARY PRODUCT NET VOLUME **********											
10	01	03		N	1	88	0	46	2.000	730.0	33580.00	44648700.43	668.9179	91.6326	98.627	27.0210	27.021
11	08	03		N	1	311	0	56	2.000	1003.9	56220.00	103680100.57	926.7660	92.3139	123.844	24.6719	24.672
13	08	03		N	1	33	0	12	2.201	269.2	3230.00	1830650.02	295.6106	109.8244	85.335	69.7795	69.780
14	01	03		N	1	39	0	21	2.086	707.4	14855.00	18113225.16	616.6474	87.1733	134.564	39.6815	39.682
9	01	03		N	1	72	0	12	2.201	1127.3	13528.16	20073509.68	662.1301	58.7335	191.141	37.3177	37.318

DP1: STATISTICS FOR SAMPLE GROUP
FOR CUT TREES ONLY
CRUISE#: 5026 SALE#: 5026
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RUN DATE & TIME: 04-05-2016 08:02:57

VERSION: 10.12.2012
VOLUME LIBRARY VERSION: 10.12.2012

********** SECONDARY PRODUCT NET VOLUME **********

STRATA	PRODUCT	UOF	SAM GRP	STM	STG SAM 1/2	NO SAM TREES	BIG N	SMALL N	t VALUE	MEAN X	SUM OF X	SUM OF (X * X)	STANDARD DEVIATION	COEFF OF VARIATION	STANDARD ERROR	SAMPLING ERROR	COMBINED SAMPLING ERROR
10	08	03		N	1	88	0	46	2.000	206.2	9485.00	3183324.99	165.1638	80.1005	24.352	23.6204	23.620
14	08	03		N	1	39	0	21	2.086	190.0	3990.00	1303350.01	165.1136	86.9019	36.031	39.5580	39.558
9	08	03		N	1	72	0	12	2.201	239.4	2872.99	878422.25	131.6276	54.9787	37.998	34.9320	34.932

DP2: STATISTICS FOR SAMPLE GROUP
FOR CUT TREES ONLY
CRUISE#: 5026 SALE#: 5026
SALENAME: HORNET
RUN DATE & TIME: 04-05-2016 08:02:57

VERSION: 10.12.2012
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********** PRIMARY PRODUCT GROSS VOLUME **********

STRATA	PRODUCT	UOF	SAM GRP	STM	STG SAM 1/2	NO SAM TREES	BIG N	SMALL N	t VALUE	MEAN X	SUM OF X	SUM OF (X * X)	STANDARD DEVIATION	COEFF OF VARIATION	STANDARD ERROR	SAMPLING ERROR	COMBINED SAMPLING ERROR
10	01	03		N	1	88	0	46	2.000	779.1	35840.00	50963250.46	715.5296	91.8369	105.499	27.0812	27.081
11	08	03		N	1	311	0	56	2.000	1011.6	56650.00	104467900.52	925.9919	91.5367	123.741	24.4642	24.464
13	08	03		N	1	33	0	12	2.201	269.6	3235.00	1831625.02	295.3462	109.5565	85.259	69.6094	69.609
14	01	03		N	1	39	0	21	2.086	787.6	16540.00	21991900.24	669.5028	85.0034	146.097	38.6938	38.694
9	01	03		N	1	72	0	12	2.201	1230.7	14767.87	23235653.82	678.3324	55.1196	195.818	35.0215	35.022

DP2: STATISTICS FOR SAMPLE GROUP
FOR CUT TREES ONLY
CRUISE#: 5026 SALE#: 5026
SALENAME: HORNET
RUN DATE & TIME: 04-05-2016 08:02:57

VERSION: 10.12.2012
VOLUME LIBRARY VERSION: 10.12.2012

STRATA	PROD CT	UOM	SAMP GRP	STM	STG SAM 1/2	NO SAM TREES	BIG N	SMALL N	t VALUE	MEAN X	SUM OF X	SUM OF (X * X)	STANDARD DEVIATION	COEFF OF VARIATION	STANDARD ERROR	SAMPLING ERROR	COMBINED SAMPLING ERROR
						SECONDARY PRODUCT GROSS VOLUME											
10	08	03		N	1	88	0	46	2.000	206.2	9485.00	3183324.99	165.1638	80.1005	24.352	23.6204	23.620
14	08	03		N	1	39	0	21	2.086	190.0	3990.00	1303350.01	165.1136	86.9019	36.031	39.5580	39.558
9	08	03		N	1	72	0	12	2.201	239.4	2872.99	878422.25	131.6276	54.9787	37.998	34.9320	34.932

DS1: ERROR TERM, VOLUME AND CONFIDENCE INTERVAL
PRIMARY PRODUCT VOLUME
FOR CUT TREES ONLY
CRUISE#: 5026 SALE#: 5026
SALENAME: HORNET
RUN DATE & TIME: 04-05-2016 08:02:57

VERSION: 10.12.2012
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STRATA	PROD CT	UOM	********** PRIMARY PRODUCT GROSS VOLUME ********** VOLUME*	ERROR	****** 95% CONFIDENCE ***** INTERVAL FROM	TO	********* PRIMARY PRODUCT NET VOLUME ******** VOLUME*	ERROR	****** 95% CONFIDENCE ****** INTERVAL FROM	TO
10	01	03	168298.9	27.08	122721.	213876.	157686.3	27.02	115078.	200295.
11	08	03	288354.2	24.46	217811.	358898.	286165.4	24.67	215563.	356768.
13	08	03	7548.9	69.61	2294.	12804.	7537.3	69.78	2278.	12797.
14	01	03	54346.8	38.69	33318.	75376.	48810.3	39.68	29442.	68179.
9	01	03	34459.3	35.02	22391.	46527.	31567.1	37.32	19787.	43347.
					---------- AGGREGATED BY PRODUCT ----------					
	01	03	257105.0	20.08	205480.	308730.	238063.6	20.27	189800.	286327.
	08	03	295903.1	23.91	225164.	366642.	293702.7	24.11	222905.	364501.
					-------- AGGREGATED BY UNIT OF MEASURE --------					
		03	553008.1	15.84	465434.	640582.	531766.3	16.11	446082.	617450.
					---------- AGGREGATED BY STRATA ----------					
10		03	168298.9	27.08	122721.	213876.	157686.3	27.02	115078.	200295.
11		03	288354.2	24.46	217811.	358898.	286165.4	24.67	215563.	356768.
13		03	7548.9	69.61	2294.	12804.	7537.3	69.78	2278.	12797.
14		03	54346.8	38.69	33318.	75376.	48810.3	39.68	29442.	68179.
9		03	34459.3	35.02	22391.	46527.	31567.1	37.32	19787.	43347.

* UOM DETERMINES VALUES USED IN CALCULATION UNDER VOLUME

DS1: ERROR TERM, VOLUME AND CONFIDENCE INTERVAL
SECONDARY PRODUCT VOLUME
FOR CUT TREES ONLY
CRUISE#: 5026 SALE#: 5026
SALENAME: HORNET
RUN DATE & TIME: 04-05-2016 08:02:57

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STRATA	PROD CT	UOM	******** SECONDARY PRODUCT GROSS VOLUME ********** VOLUME*	ERROR	****** 95% CONFIDENCE ***** INTERVAL FROM	TO	******* SECONDARY PRODUCT NET VOLUME ******** VOLUME*	ERROR	****** 95% CONFIDENCE ****** INTERVAL FROM	TO
10	08	03	44540.0	23.62	34020.	55061.	44540.0	23.62	34020.	55061.
14	08	03	13110.3	39.56	7924.	18296.	13110.3	39.56	7924.	18296.
9	08	03	6703.4	34.93	4362.	9045.	6703.4	34.93	4362.	9045.
					---------- AGGREGATED BY PRODUCT ----------					
	08	03	64353.7	18.59	52393.	76314.	64353.7	18.59	52393.	76314.
					-------- AGGREGATED BY UNIT OF MEASURE --------					
		03	64353.7	18.59	52393.	76314.	64353.7	18.59	52393.	76314.
					---------- AGGREGATED BY STRATA ----------					
10		03	44540.0	23.62	34020.	55061.	44540.0	23.62	34020.	55061.
14		03	13110.3	39.56	7924.	18296.	13110.3	39.56	7924.	18296.
9		03	6703.4	34.93	4362.	9045.	6703.4	34.93	4362.	9045.

* UOM DETERMINES VALUES USED IN CALCULATION UNDER VOLUME

* UOM DETERMINES VALUES USED IN CALCULATION UNDER VOLUME

DS1: ERROR TERM, VOLUME AND CONFIDENCE INTERVAL
TOTAL VOLUME AGGREGATED BY PRODUCT
FOR PRIMARY, SECONDARY AND RECOVERED PRODUCTS
CRUISE#: 5026 SALE#: 5026
SALENAME: HORNET
RUN DATE & TIME: 04-05-2016 08:02:57

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STRATA	PROD	UOM	TOTAL GROSS VOLUME VOLUME*	ERROR	95% CONFIDENCE INTERVAL FROM	TO	TOTAL NET VOLUME VOLUME*	ERROR	95% CONFIDENCE INTERVAL FROM	TO
					AGGREGATED BY PRODUCT					
	01	03	257105.0	20.08	205480.	308730.	238063.6	20.27	189800.	286327.
	08	03	360256.8	19.91	288514.	432000.	358056.4	20.05	286255.	429858.
					AGGREGATED BY UNIT OF MEASURE					
		03	617361.8	14.32	528975.	705749.	596120.0	14.51	509605.	682635.
					AGGREGATED BY STRATA					
10		03	212838.9	21.98	166063.	259615.	202226.3	21.70	158338.	246114.
11		03	288354.2	24.46	217811.	358898.	286165.4	24.67	215563.	356768.
13		03	7548.9	69.61	2294.	12804.	7537.3	69.78	2278.	12797.
14		03	67457.1	32.11	45798.	89116.	61920.5	32.38	41870.	81971.
9		03	41162.6	29.87	28869.	53456.	38270.4	31.38	26260.	50281.

* UOM DETERMINES VALUES USED IN CALCULATION UNDER VOLUME

R101: VOLUME SUMMARY BY PRODUCT AND CONTRACT SPECIES
FOR CUT TREES ONLY
CRUISE#: 5026 SALE#: 5026
SALENAME: HORNET
RUN DATE & TIME: 04-05-2016 08:02:57

VERSION: 10.12.2012
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CONTR SPEC	SPECIES	PROD	UOM	AVGDEF % BDFT	% CUFT	GROSS BDFT/CUFT RATIO	NET BDFT/CUFT RATIO	AVG DBH	** GROSS VOLUME ** BDFT	CUFT	** NET VOLUME ** BDFT	CUFT	16'LOGS GROSS CCF	16'LOGS GROSS MBF
				********** PRIMARY PRODUCT **********										
								********** CONTRACT SPECIES **********						
	DF	01	03	6	6	4.6462	4.6279	8.9	105794	22770	99031	21399	26.4	56.8
	L	01	03	7	7	5.0044	4.9994	10.7	184891	36946	171050	34214	19.2	38.4
	LP	01	03	8	8	4.6924	4.6889	8.4	926222	197389	855489	182451	28.4	60.5
	PRODUCT	01	TOTAL	8	7	4.7331	4.7280	8.6	1216907	257105	1125570	238064	26.9	56.8
	DF	08	03	0	0	4.1379	4.1379	5.1	14001	3384	14001	3384	106.9	258.3
	L	08	03	0	2	5.0000	5.0847	5.0	3500	700	3500	688	100.0	200.0
	LP	08	03	1	1	5.8368	5.8334	5.6	1703280	291819	1689536	289631	70.7	121.1
	PRODUCT	08	TOTAL	1	1	5.8154	5.8121	5.6	1720781	295903	1707038	293703	71.2	122.4
CONTR SPEC			TOTAL	4	4	5.3122	5.3268	6.4	2937688	553008	2832608	531766	50.6	95.2
CONTRACT SPECIES TOTALS				4	4	5.3122	5.3268	6.4	2937688	553008	2832608	531766	50.6	95.2

R103: SALE SUMMARY BY LOGGING METHOD
FOR CUT TREES ONLY
-- CUBIC FOOT --
CRUISE#: 5026 SALE#: 5026
SALENAME: HORNET
RUN DATE & TIME: 04-05-2016 08:02:57

VERSION: 10.12.2012
VOLUME LIBRARY VERSION: 10.12.2012

LOG MTH	PROD UCT	GROSS CF	TOTAL DEF%	NET CF	ESTIM TREES	GROSS CF/ ACRE	NET CF/ ACRE	TREES/ ACRE	MEAN DBH	MEAN HGT	NET CF/ TREE	16'LOGS/ GROSS CCF	AVG SLOPE	ACRES
420	01 P	257105	7.4	238064	30117	821	761	96.2	8.6	61.4	8	26.9	0.0	313.0
	01 TOTAL	257105	7.4	238064	30117	821	761	96.2	8.6	61.4	8	26.9	0.0	313.0
420	08 P	295903	0.7	293703	83001	945	938	265.2	5.6	48.0	4	71.2	0.0	313.0
420	08 S	64354	0.0	64354	0	206	206	0.0	0.0	0.0	0	0.0	0.0	313.0
	08 TOTAL	360257	0.6	358056	83001	1151	1144	265.2	5.6	48.0	4	58.5	0.0	313.0
420	TOTAL	617362	3.4	596120	113118	1972	1905	361.4	6.4	51.6	5	45.3	0.0	313.0
TOTALS/AVE		617362	3.4	596120	113118	1972	1905	361.4	6.4	51.6	5	45.3	0.0	313.0

UC1: VOLUME BY SPECIES WITHIN CUTTING UNIT FOR EACH STRATUM *
FOR CUT TREES ONLY
CRUISE#: 5026 SALE#: 5026
SALENAME: HORNET
RUN DATE & TIME: 04-05-2016 08:02:57

VERSION: 10.12.2012
VOLUME LIBRARY VERSION: 10.12.2012

STRATA	UNIT	SPECIES	PROD	OFM	AVGDEF % BDFT	AVGDEF % CUFT	GROSS BDFT / CUFT RATIO	NET BDFT / CUFT RATIO	EST. NO OF TREES	** GROSS VOLUME ** BDFT	** GROSS VOLUME ** CUFT	** NET VOLUME ** BDFT	** NET VOLUME ** CUFT	CORDS
					********** PRIMARY PRODUCT **********				********** STRATA LEVEL **********					
10	214	DF	01	03	8	7	4.4084	4.3829	147	3098	703	2837	647	0.00
10	214	L	01	03	5	5	4.9526	4.9553	130	7663	1547	7223	1458	0.00
10	214	LP	01	03	6	6	4.7339	4.7300	1158	44676	9437	41839	8845	0.00
	UNIT 214	TOTAL			6	6	4.7433	4.7394	1435	55437	11687	51899	10950	0.00
10	362	DF	01	03	8	7	4.4084	4.3829	1507	31806	7215	29127	6646	0.00
10	362	L	01	03	5	5	4.9526	4.9553	1339	78677	15886	74157	14965	0.00
10	362	LP	01	03	6	6	4.7339	4.7300	11885	458671	96890	429543	90813	0.00
	UNIT 362	TOTAL			6	6	4.7433	4.7394	14731	569153	119991	532828	112424	0.00
10	369	DF	01	03	8	7	4.4084	4.3829	352	7435	1687	6809	1554	0.00
10	369	L	01	03	5	5	4.9526	4.9553	313	18392	3714	17335	3498	0.00
10	369	LP	01	03	6	6	4.7339	4.7300	2778	107222	22650	100413	21229	0.00
	UNIT 369	TOTAL			6	6	4.7433	4.7394	3444	133049	28050	124557	26281	0.00
10	36P	DF	01	03	8	7	4.4084	4.3829	108	2272	515	2081	475	0.00
10	36P	L	01	03	5	5	4.9526	4.9553	96	5620	1135	5297	1069	0.00
10	36P	LP	01	03	6	6	4.7339	4.7300	849	32762	6921	30682	6487	0.00
	UNIT 36P	TOTAL			6	6	4.7433	4.7394	1052	40654	8571	38059	8030	0.00
	STRATA 10	TOTAL			6	6	4.7433	4.7394	20662	798293	168299	747343	157686	0.00
11	214	LP	08	03	0	0	5.8341	5.8307	4166	88541	15177	87818	15061	0.00
	UNIT 214	TOTAL			0	0	5.8341	5.8307	4166	88541	15177	87818	15061	0.00

FOR CUT TREES ONLY
CRUISE#: 5026 SALE#: 5026
SALENAME: HORNET VERSION: 10.12.2012
RUN DATE & TIME: 04-05-2016 08:02:57 VOLUME LIBRARY VERSION: 10.12.2012

STRATA	UNIT	SPECIES	PROD	UOM	AVGDEF % BDFT	AVGDEF % CUFT	GROSS BDFT / CUFT RATIO	NET BDFT / CUFT RATIO	EST. NO OF TREES	** GROSS VOLUME ** BDFT	** GROSS VOLUME ** CUFT	** NET VOLUME ** BDFT	** NET VOLUME ** CUFT	CORDS
					********** PRIMARY PRODUCT **********				********** STRATA LEVEL **********					
11	362	LP	08	03	0	0	5.8341	5.8307	42769	909020	155812	901594	154630	0.00
	UNIT 362 TOTAL				0	0	5.8341	5.8307	42769	909020	155812	901594	154630	0.00
11	363	LP	08	03	0	0	5.8341	5.8307	11109	236109	40471	234180	40164	0.00
	UNIT 363 TOTAL				0	0	5.8341	5.8307	11109	236109	40471	234180	40164	0.00
11	364	LP	08	03	0	0	5.8341	5.8307	4721	100346	17200	99527	17070	0.00
	UNIT 364 TOTAL				0	0	5.8341	5.8307	4721	100346	17200	99527	17070	0.00
11	369	LP	08	03	0	0	5.8341	5.8307	9998	212498	36424	210762	36147	0.00
	UNIT 369 TOTAL				0	0	5.8341	5.8307	9998	212498	36424	210762	36147	0.00
11	36P	LP	08	03	0	0	5.8341	5.8307	3055	64930	11129	64400	11045	0.00
	UNIT 36P TOTAL				0	0	5.8341	5.8307	3055	64930	11129	64400	11045	0.00
11	47B	LP	08	03	0	0	5.8341	5.8307	3333	70833	12141	70254	12049	0.00
	UNIT 47B TOTAL				0	0	5.8341	5.8307	3333	70833	12141	70254	12049	0.00
	STRATA 11 TOTAL				0	0	5.8341	5.8307	79151	1682278	288354	1668535	286165	0.00
13	47	DF	08	03	0	0	4.1379	4.1379	2450	14001	3384	14001	3384	0.00
13	47	L	08	03	0	1	5.0000	5.0847	350	3500	700	3500	688	0.00
13	47	LP	08	03	0	0	6.0606	6.0606	1050	21002	3465	21002	3465	0.00

FOR CUT TREES ONLY
CRUISE#: 5026 SALE#: 5026
SALENAME: HORNET
RUN DATE & TIME: 04-05-2016 08:02:57

VERSION: 10.12.2012
VOLUME LIBRARY VERSION: 10.12.2012

STRATA	UNIT	SPECIES	PROD	OF	AVGDEF % BDFT	% CUFT	GROSS BDFT CUFT RATIO	NET BDFT CUFT RATIO	EST. NO OF TREES	** GROSS VOLUME ** BDFT	CUFT	** NET VOLUME ** BDFT	CUFT	CORDS
					PRIMARY PRODUCT				STRATA LEVEL					
	UNIT 47		TOTAL		0	0	5.1005	5.1084	3850	38503	7549	38503	7537	0.00
	STRATA 13		TOTAL		0	0	5.1005	5.1084	3850	38503	7549	38503	7537	0.00
14	363	LP	01	03	10	10	4.5949	4.5944	3714	144765	31505	130003	28296	0.00
	UNIT 363		TOTAL		10	10	4.5949	4.5944	3714	144765	31505	130003	28296	0.00
14	364	LP	01	03	10	10	4.5949	4.5944	1579	61525	13390	55251	12026	0.00
	UNIT 364		TOTAL		10	10	4.5949	4.5944	1579	61525	13390	55251	12026	0.00
14	47B	LP	01	03	10	10	4.5949	4.5944	1114	43429	9452	39001	8489	0.00
	UNIT 47B		TOTAL		10	10	4.5949	4.5944	1114	43429	9452	39001	8489	0.00
	STRATA 14		TOTAL		10	10	4.5949	4.5944	6407	249719	54347	224254	48810	0.00
9	47	DF	01	03	4	4	4.8365	4.8170	1340	61183	12650	58177	12077	0.00
9	47	L	01	03	10	9	5.0831	5.0695	540	74539	14664	67037	13224	0.00
9	47	LP	01	03	13	12	4.6429	4.5896	1168	33173	7145	28758	6266	0.00
	UNIT 47		TOTAL		8	8	4.9013	4.8776	3048	168895	34459	153973	31567	0.00
	STRATA 9		TOTAL		8	8	4.9013	4.8776	3048	168895	34459	153973	31567	0.00

FOR CUT TREES ONLY
CRUISE#: 5026 SALE#: 5026
SALENAME: HORNET VERSION: 10.12.2012
RUN DATE & TIME: 04-05-2016 08:02:57 VOLUME LIBRARY VERSION: 10.12.2012

STRATA	UNIT	SPECIES	TOTAL EST. # OF TREES	SAWTIMBER (PROD = 01 UM = 01, 03) EST. # OF TREES	** GROSS VOLUME ** BDFT	** GROSS VOLUME ** CUFT	** NET VOLUME ** BDFT	** NET VOLUME ** CUFT	NON-SAWTIMBER (PROD NOT = 01 UM = 01, 02, 03) (AND ALL SECONDARY & RECOVERED PRODUCT VOLUMES) *** GROSS *** BDFT	*** GROSS *** CUFT	*** NET *** BDFT	*** NET *** CUFT	CORDS
10	214	DF	147	147	3098	703	2837	647	978	289	978	289	0.00
10	214	L	130	130	7663	1547	7223	1458	1141	282	1141	282	0.00
10	214	LP	1158	1158	44676	9437	41839	8845	10272	2522	10272	2522	0.00
UNIT 214		TOTAL	1435	1435	55437	11687	51899	10950	12392	3093	12392	3093	0.00
10	362	DF	1507	1507	31806	7215	29127	6646	10044	2963	10044	2963	0.00
10	362	L	1339	1339	78677	15886	74157	14965	11718	2896	11718	2896	0.00
10	362	LP	11885	11885	458671	96890	429543	90813	105461	25896	105461	25896	0.00
UNIT 362		TOTAL	14731	14731	569153	119991	532828	112424	127222	31755	127222	31755	0.00
10	369	DF	352	352	7435	1687	6809	1554	2348	693	2348	693	0.00
10	369	L	313	313	18392	3714	17335	3498	2739	677	2739	677	0.00
10	369	LP	2778	2778	107222	22650	100413	21229	24653	6054	24653	6054	0.00
UNIT 369		TOTAL	3444	3444	133049	28050	124557	26281	29740	7423	29740	7423	0.00
10	36P	DF	108	108	2272	515	2081	475	717	212	717	212	0.00
10	36P	L	96	96	5620	1135	5297	1069	837	207	837	207	0.00
10	36P	LP	849	849	32762	6921	30682	6487	7533	1850	7533	1850	0.00
UNIT 36P		TOTAL	1052	1052	40654	8571	38059	8030	9087	2268	9087	2268	0.00
STRATA 10		TOTAL	20662	20662	798293	168299	747343	157686	178442	44540	178442	44540	0.00
11	214	LP	4166	0	0	0	0	0	88541	15177	87818	15061	0.00
UNIT 214		TOTAL	4166	0	0	0	0	0	88541	15177	87818	15061	0.00
11	362	LP	42769	0	0	0	0	0	909020	155812	901594	154630	0.00

UC3: VOLUME BY SPECIES WITHIN CUTTING UNIT FOR EACH STRATUM *
FOR CUT TREES ONLY
CRUISE#: 5026 SALE#: 5026
SALENAME: HORNET
RUN DATE & TIME: 04-05-2016 08:02:57

VERSION: 10.12.2012
VOLUME LIBRARY VERSION: 10.12.2012

STRATA	UNIT	SPECIES	TOTAL EST. # OF TREES	EST. # OF TREES	SAWTIMBER (PROD = 01 UM = 01, 03) ** GROSS VOLUME ** BDFT	CUFT	** NET VOLUME ** BDFT	CUFT	NON-SAWTIMBER (PROD NOT = 01 UM = 01, 02, 03) (AND ALL SECONDARY & RECOVERED PRODUCT VOLUMES) *** GROSS *** BDFT	CUFT	*** NET *** BDFT	CUFT	CORDS
UNIT 362		TOTAL	42769	0	0	0	0	0	909020	155812	901594	154630	0.00
11 363		LP	11109	0	0	0	0	0	236109	40471	234180	40164	0.00
UNIT 363		TOTAL	11109	0	0	0	0	0	236109	40471	234180	40164	0.00
11 364		LP	4721	0	0	0	0	0	100346	17200	99527	17070	0.00
UNIT 364		TOTAL	4721	0	0	0	0	0	100346	17200	99527	17070	0.00
11 369		LP	9998	0	0	0	0	0	212498	36424	210762	36147	0.00
UNIT 369		TOTAL	9998	0	0	0	0	0	212498	36424	210762	36147	0.00
11 36P		LP	3055	0	0	0	0	0	64930	11129	64400	11045	0.00
UNIT 36P		TOTAL	3055	0	0	0	0	0	64930	11129	64400	11045	0.00
11 47B		LP	3333	0	0	0	0	0	70833	12141	70254	12049	0.00
UNIT 47B		TOTAL	3333	0	0	0	0	0	70833	12141	70254	12049	0.00
STRATA 11		TOTAL	79151	0	0	0	0	0	1682278	288354	1668535	286165	0.00
13	47	DF	2450	0	0	0	0	0	14001	3384	14001	3384	0.00
13	47	L	350	0	0	0	0	0	3500	700	3500	688	0.00
13	47	LP	1050	0	0	0	0	0	21002	3465	21002	3465	0.00
UNIT 47		TOTAL	3850	0	0	0	0	0	38503	7549	38503	7537	0.00

UC3: VOLUME BY SPECIES WITHIN CUTTING UNIT FOR EACH STRATUM *
FOR CUT TREES ONLY
CRUISE#: 5026 SALE#: 5026
SALENAME: HORNET
RUN DATE & TIME: 04-05-2016 08:02:57

VERSION: 10.12.2012
VOLUME LIBRARY VERSION: 10.12.2012

STRATA	UNIT	SPECIES	TOTAL EST. # OF TREES	SAWTIMBER (PROD = 01 UM = 01, 03) EST. # OF TREES	** GROSS VOLUME ** BDFT	** GROSS VOLUME ** CUFT	** NET VOLUME ** BDFT	** NET VOLUME ** CUFT	NON-SAWTIMBER (PROD NOT = 01 UM = 01, 02, 03) (AND ALL SECONDARY & RECOVERED PRODUCT VOLUMES) *** GROSS *** BDFT	*** GROSS *** CUFT	*** NET *** BDFT	*** NET *** CUFT	CORDS
STRATA 13		TOTAL	3850	0	0	0	0	0	38503	7549	38503	7537	0.00
14	363	LP	3714	3714	144765	31505	130003	28296	29524	7600	29524	7600	0.00
UNIT 363		TOTAL	3714	3714	144765	31505	130003	28296	29524	7600	29524	7600	0.00
14	364	LP	1579	1579	61525	13390	55251	12026	12548	3230	12548	3230	0.00
UNIT 364		TOTAL	1579	1579	61525	13390	55251	12026	12548	3230	12548	3230	0.00
14	47B	LP	1114	1114	43429	9452	39001	8489	8857	2280	8857	2280	0.00
UNIT 47B		TOTAL	1114	1114	43429	9452	39001	8489	8857	2280	8857	2280	0.00
STRATA 14		TOTAL	6407	6407	249719	54347	224254	48810	50930	13110	50930	13110	0.00
9	47	DF	1340	1340	61183	12650	58177	12077	10822	2557	10822	2557	0.00
9	47	L	540	540	74539	14664	67037	13224	3221	953	3221	953	0.00
9	47	LP	1168	1168	33173	7145	28758	6266	16471	3193	16471	3193	0.00
UNIT 47		TOTAL	3048	3048	168895	34459	153973	31567	30514	6703	30514	6703	0.00
STRATA 9		TOTAL	3048	3048	168895	34459	153973	31567	30514	6703	30514	6703	0.00
OVERALL TOTALS--			113118	30117	1216907	257105	1125570	238064	1980666	360257	1966923	358056	0.00

* FOR TREE-BASED SAMPLES, THE CUTTING UNIT VOLUME IS BASED ON THE # OF TREES TALLIED OR THE SUM OF KPIS THAT FALL WITHIN THE CUTTING UNIT. FOR AREA-BASED SAMPLES, THE CUTTING UNIT VOLUME IS BASED ON AN AVERAGE VOLUME PER ACRE AT THE STRATA LEVEL TIMES THE NUMBER OF ACRES IN THE CUTTING UNIT.

*R = RECOVERED VOLUME ADDED TO NET SECONDARY VOLUME.
*FOR CRUISE METHOD 3P ONLY, THE COLUMN Est. # of Trees for sawtimber WILL SHOW ZERO INSTEAD OF ACTUAL TALLY.

FOR CUT TREES ONLY
CRUISE#: 5026 SALE#: 5026
SALENAME: HORNET VERSION: 10.12.2012
RUN DATE & TIME: 04-05-2016 08:02:57 VOLUME LIBRARY VERSION: 10.12.2012

UNIT	SPECIES	TOTAL EST. # OF TREES	SAWTIMBER (PROD = 01 UM = 01, 03) EST. # OF TREES	** GROSS VOLUME ** BDFT	** GROSS VOLUME ** CUFT	** NET VOLUME ** BDFT	** NET VOLUME ** CUFT	NON-SAWTIMBER (PROD NOT = 01 UM = 01, 02, 03) (AND ALL SECONDARY & RECOVERED PRODUCT VOLUMES) *** GROSS *** BDFT	*** GROSS *** CUFT	*** NET *** BDFT	*** NET *** CUFT	CORDS
214	DF	147	147	3098	703	2837	647	978	289	978	289	0.00
214	L	130	130	7663	1547	7223	1458	1141	282	1141	282	0.00
214	LP	5324	1158	44676	9437	41839	8845	98813	17699	98090	17584	0.00
UNIT 214	TOTAL	5601	1435	55437	11687	51899	10950	100933	18270	100209	18154	0.00
362	DF	1507	1507	31806	7215	29127	6646	10044	2963	10044	2963	0.00
362	L	1339	1339	78677	15886	74157	14965	11718	2896	11718	2896	0.00
362	LP	54655	11885	458671	96890	429543	90813	1014481	181709	1007055	180526	0.00
UNIT 362	TOTAL	57500	14731	569153	119991	532828	112424	1036243	187568	1028817	186385	0.00
363	LP	14823	3714	144765	31505	130003	28296	265634	48071	263705	47764	0.00
UNIT 363	TOTAL	14823	3714	144765	31505	130003	28296	265634	48071	263705	47764	0.00
364	LP	6300	1579	61525	13390	55251	12026	112894	20430	112075	20300	0.00
UNIT 364	TOTAL	6300	1579	61525	13390	55251	12026	112894	20430	112075	20300	0.00
369	DF	352	352	7435	1687	6809	1554	2348	693	2348	693	0.00
369	L	313	313	18392	3714	17335	3498	2739	677	2739	677	0.00
369	LP	12776	2778	107222	22650	100413	21229	237151	42477	235415	42201	0.00
UNIT 369	TOTAL	13442	3444	133049	28050	124557	26281	242239	43847	240503	43571	0.00
36P	DF	108	108	2272	515	2081	475	717	212	717	212	0.00
36P	L	96	96	5620	1135	5297	1069	837	207	837	207	0.00
36P	LP	3904	849	32762	6921	30682	6487	72463	12979	71932	12895	0.00
UNIT 36P	TOTAL	4107	1052	40654	8571	38059	8030	74017	13398	73487	13313	0.00
47	DF	3790	1340	61183	12650	58177	12077	24823	5941	24823	5941	0.00

UC5: VOLUME BY SPECIES WITHIN CUTTING UNIT ACROSS ALL STRATA *
FOR CUT TREES ONLY
CRUISE#: 5026 SALE#: 5026
SALENAME: HORNET
RUN DATE & TIME: 04-05-2016 08:02:57

VERSION: 10.12.2012
VOLUME LIBRARY VERSION: 10.12.2012

UNIT	SPECIES	TOTAL EST. # OF TREES	EST. # OF TREES	SAWTIMBER (PROD = 01 UM = 01, 03) ** GROSS VOLUME ** BDFT	CUFT	** NET VOLUME ** BDFT	CUFT	NON-SAWTIMBER (PROD NOT = 01 UM = 01, 02, 03) (AND ALL SECONDARY & RECOVERED PRODUCT VOLUMES) *** GROSS *** BDFT	CUFT	*** NET *** BDFT	CUFT	CORDS
47	L	890	540	74539	14664	67037	13224	6721	1653	6721	1642	0.00
47	LP	2218	1168	33173	7145	28758	6266	37473	6658	37473	6658	0.00
UNIT 47 TOTAL		6898	3048	168895	34459	153973	31567	69017	14252	69017	14241	0.00
47B	LP	4447	1114	43429	9452	39001	8489	79690	14421	79111	14329	0.00
UNIT 47B TOTAL		4447	1114	43429	9452	39001	8489	79690	14421	79111	14329	0.00

SUBTOTALS SPECIES	TOT EST # OF TREES	EST # OF TREES	SAWTIMBER ** GROSS VOLUME ** BDFT	CUFT	** NET VOLUME ** BDFT	CUFT	NON-SAWTIMBER GROSS BDFT	GROSS CUFT	NET BDFT	NET CUFT	CORDS
DF	5903	3453	105794	22770	99031	21399	38910	10096	38910	10096	0.00
L	2769	2419	184891	36946	171050	34214	23157	5715	23157	5704	0.00
LP	104447	24245	926222	197389	855489	182451	1918599	344445	1904856	342256	0.00
OVERALL TOTALS--	113118	30117	1216907	257105	1125570	238064	1980666	360257	1966923	358056	0.00

* FOR TREE-BASED SAMPLES, THE CUTTING UNIT VOLUME IS BASED ON THE # OF TREES TALLIED OR THE SUM OF KPIS THAT FALL WITHIN THE CUTTING UNIT. FOR AREA-BASED SAMPLES, THE CUTTING UNIT VOLUME IS BASED ON AN AVERAGE VOLUME PER ACRE AT THE STRATA LEVEL TIMES THE NUMBER OF ACRES IN THE CUTTING UNIT.
*R = RECOVERED VOLUME ADDED TO NET SECONDARY VOLUME.
*FOR CRUISE METHOD 3P ONLY, THE COLUMN Est. # of Trees for sawtimber WILL SHOW ZERO INSTEAD OF ACTUAL TALLY.

STRATA	CUTTING UNIT	PLOT	TREE	WARNING MESSAGE
10	362	8	9	- RECOVERABLE DEFECT GREATER THAN SUM OF DEFECTS -- SUM OF DEFECTS USED IN CALCULATION
10	362	8	13	- RECOVERABLE DEFECT GREATER THAN SUM OF DEFECTS -- SUM OF DEFECTS USED IN CALCULATION