

Timber Value Estimate
100 Acre, T&NO RR Sy, Abstract A-198
Linscomb MEGACHIPS Ownership

Purpose

This report summarizes the estimated merchantable timber volumes and values on the two 50 acre tracts in the T&NO RR Sy. Abstract A-198.

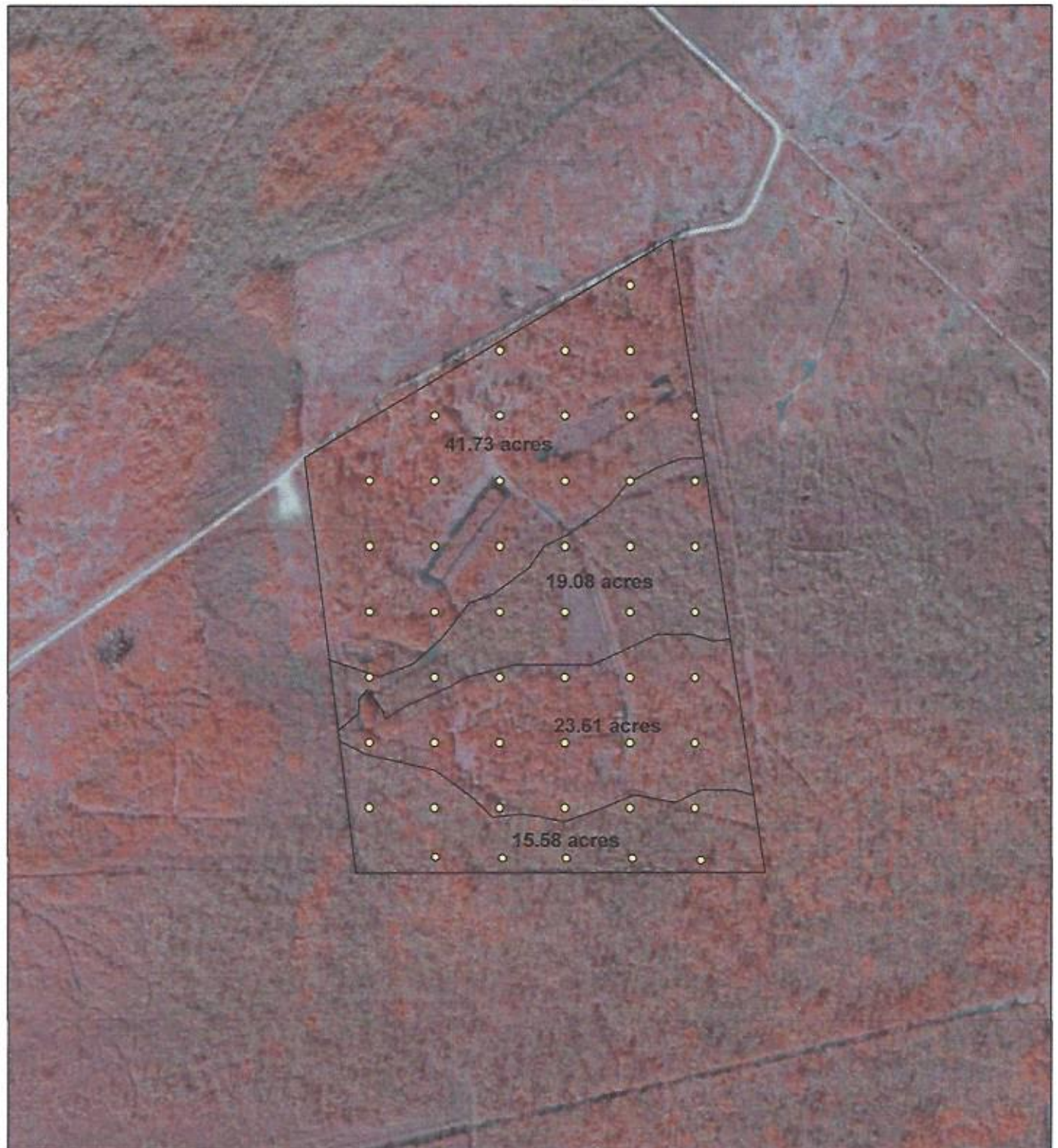
Timber Description and Field Procedure

The timber on this tract consists of two stands or timber types. Naturally regenerated, uneven-aged mixed pine hardwood covers 65.34 acres and hardwood wet flats covers the remaining 34.66 acres. Both stands are currently in a healthy condition however there is a large amount of Chinese Tallow (exotic invasive tree) found in the wet areas. In March 2017, 50 10baf variable radius plot samples were taken on a grid spacing of 4.5 x 4.5 chains. Trees were tallied by species, product, diameter at breast height (4.5' above ground), and merchantable height. The table below summarizes results of that field tally, showing timber volume and value estimates:

Product	# Trees	Volumes	Units	Tons	Price/ton	Value
Pine						
-pulpwood	3764	259.90	cords	694.70	\$ 5.00	\$ 3,473.50
-topwood			cords	177.08	\$ 5.00	\$ 885.38
-chip n saw	192	25.40	cords	67.90	\$ 10.00	\$ 679.00
-sawtimber 9" top	1014	65.30	Mboard ft.	495.20	\$ 18.00	\$ 8,913.60
-sawtimber 11" top	50	9.10	Mboard ft.	54.20	\$ 22.00	\$ 1,192.40
-sawtimber 14" top	123	30.80	Mboard ft.	158.90	\$ 26.00	\$ 4,131.40
<i>Total Pine</i>	<i>5143</i>					<i>\$ 19,275.28</i>
Hardwood						
-pulpwood	17025	935.50	cords	2804.70	\$ 7.00	\$ 19,632.90
-sawtimber	849	90.20	Mboard ft.	617.60	\$ 25.00	\$ 15,440.00
<i>Total Hardwood</i>	<i>17874</i>					<i>\$ 35,072.90</i>
		Total Pine and Hardwood Timber Value				\$ 54,348.18

More detailed tree tally information by diameter and height class is documented in the timber appraiser's files.

MegaChips 100 Acre Tract T&NO RR Sy, A-198



Legend

• Plot centers

□ Timber type



0 660 1,320 Feet

Map created 3/24/2017 by Townsend Forest Management

MegaChips 100 Acre Tract T&NO RR Sy, A-198



Legend

○ Plot centers

Timber type

■ HW wet flats

■ Mixed Pine HW



0 660 1,320 Feet

Map created 3/24/2017 by Townsend Forest Management

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Tract: # of Trees, Volume 1, Volume 2, Total

By Product Group

3/16/17

Total Sampled Area (acres): 100.0

Product Group	# Trees	Volume 1	Volume 2
Pine Chip-N-Saw	192.4	25.4 <i>Cords</i>	67.9 <i>Tons</i>
Hardwood Pulp	17,025.1	935.5 <i>Cords</i>	2,804.7 <i>Tons</i>
Pine Pulp	3,763.9	259.9 <i>Cords</i>	694.7 <i>Tons</i>
Pine Sawtimber	1,312.3	117.5 <i>MBF</i>	790.4 <i>Tons</i>
Ties	848.7	90.2 <i>MBF</i>	617.6 <i>Tons</i>
Grand Total	23,142.3		4,975.3 <i>Tons</i>

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Stand: # Trees, Volume1, Volume 2, Total
By Product Group

Stand Number: 1
Stand ID: 1MixedPH

Area (acres): 65.3
3/16/17

Product Group	# Trees	Volume 1	Volume 2
Pine Chip-N-Saw	160.6	21.3 <i>Cords</i>	56.9 <i>Tons</i>
Hardwood Pulp	11,099.7	512.5 <i>Cords</i>	1,536.4 <i>Tons</i>
Pine Pulp	3,613.9	242.3 <i>Cords</i>	647.7 <i>Tons</i>
Pine Sawtimber	1,187.0	105.2 <i>MBF</i>	708.3 <i>Tons</i>
Ties	366.0	44.8 <i>MBF</i>	281.4 <i>Tons</i>
Stand Total	16,427.2		3,230.8 <i>Tons</i>

Stand Number: 2
Stand ID: 2HwdWetFlat

Area (acres): 34.7
3/21/17

Product Group	# Trees	Volume 1	Volume 2
Pine Chip-N-Saw	31.8	4.1 <i>Cords</i>	11.0 <i>Tons</i>
Hardwood Pulp	5,925.4	423.0 <i>Cords</i>	1,268.3 <i>Tons</i>
Pine Pulp	150.0	17.6 <i>Cords</i>	47.0 <i>Tons</i>
Pine Sawtimber	125.3	12.3 <i>MBF</i>	82.1 <i>Tons</i>
Ties	482.7	45.4 <i>MBF</i>	336.3 <i>Tons</i>
Stand Total	6,715.1		1,744.6 <i>Tons</i>

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Stand: # Trees, Volumes 1 & 2, Total
By DBH, Product and Species

Stand Number: 1
Stand ID: 1MixedPH

Area (acres): 65.3
3/16/17

Product Group

Product Species--Volume1/2 Tables	DBH inches	# Trees	Volume 1	Volume 2
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Pine Chip-N-Saw

Chip-n-Saw		#	Cords	Tons
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Pine--RGO Cords-Logs/RGO PTons-Logs				
	9.0	51.0	5.4	14.5
	10.0	41.3	5.3	14.3
	11.0	68.3	10.5	28.2
QuadMean/Subtotals	10.1	160.6	21.3	56.9

Product Group Total	10.1	160.6	21.3	56.9
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Hardwood Pulp

Pulpwood		#	Cords	Tons
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Other Hardwood--RGO Cords-Logs/RGO HTons-Logs				
	5.0	6,113.9	159.7	478.6
	6.0	2,754.0	101.9	305.4
	7.0	252.9	14.7	44.1
	8.0	451.8	31.4	94.1
	9.0	510.0	50.6	151.6
	10.0	289.2	36.1	108.2
	11.0	273.1	39.7	119.0
	12.0	200.8	32.8	98.4
	13.0	171.1	27.6	82.7
	14.0	42.2	6.6	19.7
	16.0	16.1	3.9	11.6
	17.0	14.3	3.8	11.5
	20.0	10.3	3.8	11.4
QuadMean/Subtotals	6.5	11,099.7	512.5	1,536.4

Product Group Total	6.5	11,099.7	512.5	1,536.4
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Stand: # Trees, Volumes 1 & 2, Total
By DBH, Product and Species

Stand Number: 1
Stand ID: 1MixedPH

Area (acres): 65.3
3/16/17

Product Group

Product Species--Volume1/2 Tables	DBH inches	# Trees	Volume 1	Volume 2
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Pine Pulp

Pulpwood		#	Cords	Tons
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Pine--RGO Cords-Logs/RGO PTons-Logs

5.0	1,321.9	38.1	101.6
6.0	344.2	11.8	31.5
7.0	505.8	31.9	85.2
8.0	387.3	33.3	88.9
9.0	408.0	42.1	112.6
10.0	413.1	50.9	136.0
11.0	204.8	31.6	84.5
12.0	28.7	2.7	7.3

QuadMean/Subtotals	7.4	3,613.9	242.3	647.7
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Product Group Total	7.4	3,613.9	242.3	647.7
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Pine Sawtimber

Sawtimber		#	MBF	Tons
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Pine--Doyle80/RGO PTons-Logs

12.0	315.6	10.5	90.5
13.0	342.2	17.3	137.6
14.0	84.3	6.0	45.1
15.0	146.9	14.6	106.3
16.0	96.8	11.9	81.9
17.0	28.6	5.0	33.8
18.0	38.2	6.7	40.7
19.0	11.4	2.4	13.5
20.0	62.0	12.9	67.8
21.0	37.5	10.2	53.9
22.0	8.5	2.7	13.5
23.0	7.8	2.8	13.4
24.0	7.2	2.3	10.1

QuadMean/Subtotals	14.7	1,187.0	105.2	708.3
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Product Group Total	14.7	1,187.0	105.2	708.3
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Stand: # Trees, Volumes 1 & 2, Total
By DBH, Product and Species

Stand Number: 1
Stand ID: 1MixedPH

Area (acres): 65.3
3/16/17

Product Group

Product Species--Volume1/2 Tables	DBH inches	# Trees	Volume 1	Volume 2
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Ties

Ties and Timbers		#	MBF	Tons
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Other Hardwood--Doyle 78/RGO HTons-Logs

14.0	84.3	4.0	32.0
15.0	36.7	2.5	19.6
16.0	16.1	1.9	15.3
17.0	71.5	6.1	39.1
18.0	51.0	6.3	42.3
19.0	57.2	7.2	42.5
20.0	10.3	1.9	11.4
21.0	9.4	2.4	15.1
23.0	7.8	2.1	11.4
25.0	6.6	2.2	11.3
26.0	6.1	2.2	11.3
30.0	4.6	3.6	18.7
31.0	4.3	2.4	11.3

QuadMean/Subtotals	17.8	366.0	44.8	281.4
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Product Group Total	17.8	366.0	44.8	281.4
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Stand Total		16,427.2		3,230.8
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Stand Means	8.0			
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Stand: # Trees, Volumes 1 & 2, Total
By DBH, Product and Species

Stand Number: 2
Stand ID: 2HwdWetFlat

Area (acres): 34.7
3/21/17

Product Group

Product Species--Volume1/2 Tables	DBH inches	# Trees	Volume 1	Volume 2
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Pine Chip-N-Saw

Chip-n-Saw		#	Cords	Tons
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Pine--RGO Cords-Logs/RGO PTons-Logs	10.0	31.8	4.1	11.0
QuadMean/Subtotals	10.0	31.8	4.1	11.0

Product Group Total	10.0	31.8	4.1	11.0
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Hardwood Pulp

Pulpwood		#	Cords	Tons
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Other Hardwood--RGO Cords-Logs/RGO HTons-Logs	5.0	1,525.1	42.5	127.3
	6.0	1,412.2	55.7	167.1
	7.0	583.6	30.1	90.2
	8.0	645.4	50.7	152.0
	9.0	510.0	47.5	142.6
	10.0	508.4	59.9	179.7
	11.0	315.1	47.7	143.0
	12.0	198.6	39.0	116.9
	13.0	131.6	26.9	80.8
	14.0	16.2	4.9	14.7
	15.0	28.2	5.2	15.5
	16.0	12.4	3.0	8.9
	17.0	11.0	2.0	6.0
	18.0	19.6	4.9	14.8
	20.0	7.9	2.9	8.8
QuadMean/Subtotals	7.9	5,925.4	423.0	1,268.3

Product Group Total	7.9	5,925.4	423.0	1,268.3
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Stand Number: 2
Stand ID: 2HwdWetFlat

Area (acres): 34.7
3/21/17

Product Group

Product Species--Volume1/2 Tables	DBH inches	# Trees	Volume 1	Volume 2
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Pine Pulp

Pulpwood		#	Cords	Tons
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Pine--RGO Cords-Logs/RGO PTons-Logs	7.0	64.8	4.4	11.8
	9.0	39.2	4.2	11.1
	10.0	31.8	4.1	11.0
	15.0	14.1	4.9	13.1
QuadMean/Subtotals	9.2	150.0	17.6	47.0

Product Group Total	9.2	150.0	17.6	47.0
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Pine Sawtimber

Sawtimber		#	MBF	Tons
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Pine--Doyle80/RGO PTons-Logs	12.0	22.1	0.7	5.6
	13.0	18.8	1.0	8.1
	14.0	16.2	1.1	8.0
	15.0	28.2	2.4	16.0
	16.0	12.4	1.6	10.5
	18.0	19.6	4.1	26.0
	20.0	7.9	1.5	7.8
QuadMean/Subtotals	15.1	125.3	12.3	82.1

Product Group Total	15.1	125.3	12.3	82.1
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Ties

Ties and Timbers		#	MBF	Tons
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Other Hardwood--Doyle 78/RGO HTons-Logs	14.0	97.3	4.9	39.8
	15.0	183.6	14.4	119.4
	16.0	86.9	8.2	62.4
	17.0	66.0	7.5	53.3
	19.0	8.8	1.7	11.7
	20.0	7.9	1.4	8.8
	22.0	26.3	5.8	32.2
	23.0	6.0	1.6	8.7
QuadMean/Subtotals	16.0	482.7	45.4	336.3

Product Group Total	16.0	482.7	45.4	336.3
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Stand: # Trees, Volumes 1 & 2, Total
By DBH, Product and Species

Stand Total		6,715.1	1,744.6
Stand Means	8.9		

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Stand: # Trees, Volume1, Volume 2, Per Acre
By Product Group

Stand Number: 1
Stand ID: 1MixedPH

Area (acres): 65.3
3/16/17

Product Group	# Trees	Volume 1	Volume 2
Pine Chip-N-Saw	2.5	0.3 <i>Cords</i>	0.9 <i>Tons</i>
Hardwood Pulp	169.9	7.8 <i>Cords</i>	23.5 <i>Tons</i>
Pine Pulp	55.3	3.7 <i>Cords</i>	9.9 <i>Tons</i>
Pine Sawtimber	18.2	1,610.2 <i>Board Feet</i>	10.8 <i>Tons</i>
Ties	5.6	686.1 <i>Board Feet</i>	4.3 <i>Tons</i>
Stand Total	251.4		49.4 <i>Tons</i>

Stand Number: 2
Stand ID: 2HwdWetFlat

Area (acres): 34.7
3/21/17

Product Group	# Trees	Volume 1	Volume 2
Pine Chip-N-Saw	0.9	0.1 <i>Cords</i>	0.3 <i>Tons</i>
Hardwood Pulp	171.0	12.2 <i>Cords</i>	36.6 <i>Tons</i>
Pine Pulp	4.3	0.5 <i>Cords</i>	1.4 <i>Tons</i>
Pine Sawtimber	3.6	354.1 <i>Board Feet</i>	2.4 <i>Tons</i>
Ties	13.9	1,309.9 <i>Board Feet</i>	9.7 <i>Tons</i>
Stand Total	193.7		50.3 <i>Tons</i>

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Tract: # Trees, Volumes 1 & 2, Total
By DBH, Product and Species

Area (acres): 100.0

3/16/17

#Points: 49

Product Group

Product

Species--Volume1/2 Tables

DBH
inches

Trees

Volume 1

Volume 2

Pine Chip-N-Saw

Chip-n-Saw

#

Cords

Tons

Pine--RGO Cords-Logs/RGO PTons-Logs

9	51.00	5.42	14.49
10	73.08	9.44	25.23
11	68.28	10.54	28.17

Subtotals	192.36	25.39	67.90
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Product Group Total

192.36	25.39	67.90
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Hardwood Pulp

Pulpwood

#

Cords

Tons

Other Hardwood--RGO Cords-Logs/RGO HTons-Logs

5	7,639.01	202.21	605.87
6	4,166.17	157.64	472.51
7	836.52	44.79	134.28
8	1,097.23	82.05	246.04
9	1,019.95	98.09	294.18
10	797.55	96.01	287.94
11	588.24	87.33	261.94
12	399.40	71.79	215.34
13	302.71	54.52	163.52
14	58.36	11.49	34.48
15	28.24	5.16	15.48
16	28.55	6.84	20.51
17	25.29	5.85	17.56
18	19.61	4.94	14.83
20	18.27	6.74	20.23

Subtotals	17,025.11	935.47	2,804.72
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Product Group Total

17,025.11	935.47	2,804.72
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Area (acres): 100.0

3/16/17

#Points: 49

Product Group

Product	DBH inches	# Trees	Volume 1	Volume 2
Species--Volume1/2 Tables				

Pine Pulp

Pulpwood	#	Cords	Tons
Pine--RGO Cords-Logs/RGO PTons-Logs			

5	1,321.92	38.05	101.61
6	344.25	11.81	31.54
7	570.68	36.27	96.95
8	387.28	33.27	88.93
9	447.23	46.30	123.79
10	444.87	54.95	146.94
11	204.84	31.61	84.52
12	28.69	2.74	7.32
15	14.12	4.89	13.09
Subtotals	3,763.87	259.90	694.69

Product Group Total	3,763.87	259.90	694.69
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Pine Sawtimber

Sawtimber	#	MBF	Tons
Pine--Doyle80/RGO PTons-Logs			

12	337.63	11.15	96.14
13	361.01	18.33	145.69
14	100.52	7.05	53.18
15	175.12	16.95	122.31
16	109.23	13.46	92.41
17	28.59	5.00	33.84
18	57.86	10.79	66.68
19	11.44	2.40	13.54
20	69.91	14.41	75.64
21	37.47	10.21	53.95
22	8.54	2.69	13.47
23	7.81	2.78	13.45
24	7.17	2.25	10.12
Subtotals	1,312.30	117.49	790.42

Product Group Total	1,312.30	117.49	790.42
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Tract: # Trees, Volumes 1 & 2, Total
By DBH, Product and Species

Area (acres): 100.0

3/16/17
#Points: 49

Product Group

Product

Species--Volume1/2 Tables

DBH
inches

Trees

Volume 1

Volume 2

Ties

Ties and Timbers

#

MBF

Tons

Other Hardwood--Doyle 78/RGO HTons-Logs

14	181.57	8.94	71.86
15	220.30	16.94	138.97
16	103.02	10.04	77.73
17	137.44	13.60	92.39
18	51.00	6.32	42.28
19	66.02	8.89	54.13
20	18.27	3.29	20.23
21	9.37	2.44	15.13
22	26.26	5.76	32.17
23	13.82	3.65	20.11
25	6.61	2.17	11.33
26	6.11	2.21	11.32
30	4.59	3.57	18.71
31	4.30	2.42	11.27

Subtotals	848.67	90.23	617.63
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Product Group Total

848.67	90.23	617.63
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Tract Total

23,142.32	4,975.35
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