

NED report for Compartment 15 Generated: 09/27/2015 23:15

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Timber Tables

This report is for the stand 'LWSR C15 s54 Pre-Sale' inventory (2014) data.

Dead observations were ignored when calculating values in this report.

Composition

Overstory only

	All species	sugar maple	northern red oak	white ash	bigtooth aspen
Basal Area (square feet)	102.0	32.5	19.0	13.5	11.0
Percentage of stand basal area (%)	100.0	31.9	18.6	13.2	10.8
Stems Per Unit Area (stems per acre)	119.0	55.4	15.9	12.5	6.1

Overstory only (cont)

	white oak	American basswood	black ash	black walnut	shagbark hickory
Basal Area (square feet)	5.5	3.5	3.5	2.5	2.5
Percentage of stand basal area (%)	5.4	3.4	3.4	2.5	2.5
Stems Per Unit Area (stems per acre)	6.5	4.6	3.5	1.8	3.2

Overstory only (cont)

	bitternut hickory	slippery elm	honeylocust	American elm	common hackberry
Basal Area (square feet)	2.5	2.0	1.5	1.0	1.0
Percentage of stand basal area (%)	2.5	2.0	1.5	1.0	1.0
Stems Per Unit Area (stems per acre)	4.3	0.8	1.7	1.0	1.1

Overstory only (cont)

	black cherry
Basal Area (square feet)	0.5
Percentage of stand basal area (%)	0.5
Stems Per Unit Area (stems per acre)	0.5

Diameters

Overstory only

	All species	sugar maple	northern red oak	white ash	bigtooth aspen
Medial DBH (inches)	16.0	12.0	19.9	18.9	18.7
Merchantable Medial DBH (inches)	16.0	12.0	19.9	18.9	18.7
Quadratic Mean DBH (inches)	12.5	10.4	14.8	14.1	18.1
Merchantable Quadratic DBH (inches)	12.5	10.4	14.8	14.1	18.1

Average DBH (inches)	11.5	9.9	13.2	12.6	17.9
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Overstory only (cont)

	white oak	American basswood	black ash	black walnut	shagbark hickory
Medial DBH (inches)	15.8	13.4	15.7	17.6	13.8
Merchantable Medial DBH (inches)	15.8	13.4	15.7	17.6	13.8
Quadratic Mean DBH (inches)	12.5	11.9	13.6	16.1	11.9
Merchantable Quadratic DBH (inches)	12.5	11.9	13.6	16.1	11.9
Average DBH (inches)	11.3	11.3	12.9	15.7	11.3

Overstory only (cont)

	bitternut hickory	slippery elm	honeylocust	American elm	common hackberry
Medial DBH (inches)	13.6	22.0	14.0	13.5	13.0
Merchantable Medial DBH (inches)	13.6	22.0	14.0	13.5	13.0
Quadratic Mean DBH (inches)	10.3	21.3	12.7	13.5	13.0
Merchantable Quadratic DBH (inches)	10.3	21.3	12.7	13.5	13.0
Average DBH (inches)	9.3	21.1	12.3	13.5	13.0

Overstory only (cont)

	black cherry
Medial DBH (inches)	13.0
Merchantable Medial DBH (inches)	13.0
Quadratic Mean DBH (inches)	13.0
Merchantable Quadratic DBH (inches)	13.0
Average DBH (inches)	13.0

Structure

Overstory only

	All species	sugar maple	northern red oak	white ash	bigtooth aspen
Q Factor	1.20	1.25	1.11	1.12	1.02

Overstory only (cont)

	white oak	American basswood	black ash	black walnut	shagbark hickory
Q Factor	1.14	1.13	1.14	1.16	1.10

Overstory only (cont)

	bitternut hickory	slippery elm	honeylocust	American elm	common hackberry
Q Factor	1.19	1.09	1.15	1.16	0.00

Overstory only (cont)

	black cherry
Q Factor	0.00

Relative density

Overstory only

	All species	sugar maple	northern red oak	white ash	bigtooth aspen
Relative Density (percent)	72.91	26.80	16.52	4.94	6.21
percentage of stand	100.00	36.75	22.66	6.77	8.51

Overstory only (cont)

	white oak	American basswood	black ash	black walnut	shagbark hickory
Relative Density (percent)	4.46	1.80	2.00	2.50	2.07
percentage of stand	6.12	2.48	2.74	3.42	2.84

Overstory only (cont)

	bitternut hickory	slippery elm	honeylocust	American elm	common hackberry
Relative Density (percent)	2.11	0.98	0.89	0.84	0.60
percentage of stand	2.90	1.34	1.22	1.15	0.82

Overstory only (cont)

	black cherry
Relative Density (percent)	0.20
percentage of stand	0.28

Volumes

Overstory only

	All species	sugar maple	northern red oak	white ash	bigtooth aspen
Sawtimber gross total (board feet/acre)	7,485	1,020	1,699	1,490	1,686
Sawtimber net total (board feet/acre)	7,485	1,020	1,699	1,490	1,686
Pulpwood gross total (cords/acre)	15	7	3	2	0
Pulpwood net total (cords/acre)	12	5	2	1	0
Gross total (cords/acre)	32	10	6	5	4
Net total (cords/acre)	25	8	5	4	3

Overstory only (cont)

	white oak	American basswood	black ash	black walnut	shagbark hickory
Sawtimber gross total (board feet/acre)	325	160	212	176	126
Sawtimber net total (board feet/acre)	325	160	212	176	126
Pulpwood gross total (cords/acre)	1	0	1	0	0
Pulpwood net total (cords/acre)	1	0	1	0	0
Gross total (cords/acre)	2	1	1	1	1
Net total (cords/acre)	1	1	1	1	1

Overstory only (cont)

	bitternut hickory	slippery elm	honeylocust	American elm	common hackberry
Sawtimber gross total (board feet/acre)	139	225	77	58	57
Sawtimber net total (board feet/acre)	139	225	77	58	57
Pulpwood gross total (cords/acre)	0	0	0	0	0
Pulpwood net total (cords/acre)	0	0	0	0	0
Gross total (cords/acre)	1	1	0	0	0
Net total (cords/acre)	1	1	0	0	0

Overstory only (cont)

	black cherry
Sawtimber gross total (board feet/acre)	35
Sawtimber net total (board feet/acre)	35
Pulpwood gross total (cords/acre)	0
Pulpwood net total (cords/acre)	0
Gross total (cords/acre)	0
Net total (cords/acre)	0

Values

The following species are missing all pulpwood prices: northern red oak, white ash, white oak, black ash, black walnut, American basswood, bigtooth aspen, honeylocust, bitternut hickory, slippery elm, American elm, common hackberry and black cherry.

The following species are missing some pulpwood prices: sugar maple and shagbark hickory.

The following species are missing all sawlog prices: northern red oak, white ash, white oak, black ash, black walnut, American basswood, bigtooth aspen, honeylocust, bitternut hickory, slippery elm, American elm, common hackberry and black cherry.

The following species are missing some sawlog prices: sugar maple and shagbark hickory.

Overstory only

	All species	sugar maple	northern red oak	white ash	bigtooth aspen
Pulpwood Value (dollars)	74.04	69.55	0.00	0.00	0.00
Board-foot Value (dollars)	537.84	518.88	0.00	0.00	0.00
Dollar Value (dollars)	611.88	588.43	0.00	0.00	0.00

Overstory only (cont)

	white oak	American basswood	black ash	black walnut	shagbark hickory
Pulpwood Value (dollars)	0.00	0.00	0.00	0.00	4.49
Board-foot Value (dollars)	0.00	0.00	0.00	0.00	18.96
Dollar Value (dollars)	0.00	0.00	0.00	0.00	23.45

Overstory only (cont)

	bitternut hickory	slippery elm	honeylocust	American elm	common hackberry
Pulpwood Value (dollars)	0.00	0.00	0.00	0.00	0.00
Board-foot Value (dollars)	0.00	0.00	0.00	0.00	0.00

Dollar Value (dollars)	0.00	0.00	0.00	0.00	0.00
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Overstory only (cont)

	black cherry
Pulpwood Value (dollars)	0.00
Board-foot Value (dollars)	0.00
Dollar Value (dollars)	0.00

Biomass

Overstory only

	All species	sugar maple	northern red oak	white ash	bigtooth aspen
Coarse Root Biomass (tons per acre)	14.62	4.68	3.34	1.76	1.31
Stem Wood Biomass (tons per acre)	49.31	15.06	11.67	6.12	4.58
Stem Bark Biomass (tons per acre)	9.90	3.11	2.30	1.21	0.90
Foliage Biomass (tons per acre)	1.54	0.51	0.34	0.18	0.13
Aboveground Biomass (tons per acre)	77.55	24.66	17.83	9.39	6.99
Total Biomass (tons per acre)	92.16	29.34	21.17	11.15	8.30

Overstory only (cont)

	white oak	American basswood	black ash	black walnut	shagbark hickory
Coarse Root Biomass (tons per acre)	0.89	0.39	0.42	0.32	0.38
Stem Wood Biomass (tons per acre)	3.00	1.31	1.44	1.10	1.26
Stem Bark Biomass (tons per acre)	0.60	0.27	0.29	0.22	0.26
Foliage Biomass (tons per acre)	0.09	0.04	0.04	0.03	0.04
Aboveground Biomass (tons per acre)	4.70	2.09	2.25	1.70	2.02
Total Biomass (tons per acre)	5.59	2.49	2.67	2.02	2.40

Overstory only (cont)

	bitternut hickory	slippery elm	honeylocust	American elm	common hackberry
Coarse Root Biomass (tons per acre)	0.38	0.28	0.17	0.11	0.11
Stem Wood Biomass (tons per acre)	1.24	1.02	0.57	0.38	0.37
Stem Bark Biomass (tons per acre)	0.25	0.20	0.12	0.08	0.08
Foliage Biomass (tons per acre)	0.04	0.03	0.02	0.01	0.01
Aboveground Biomass (tons per acre)	1.99	1.52	0.91	0.60	0.59
Total Biomass (tons per acre)	2.37	1.81	1.09	0.72	0.70

Overstory only (cont)

	black cherry
Coarse Root Biomass (tons per acre)	0.06
Stem Wood Biomass (tons per acre)	0.18
Stem Bark Biomass (tons per acre)	0.04

Foliage Biomass (tons per acre)	0.01
Aboveground Biomass (tons per acre)	0.30
Total Biomass (tons per acre)	0.35