

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 Post 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	white oak
Basal Area (square feet)	74.5	29.0	13.0	9.5	4.5
Percentage of stand basal area (%)	100.0	38.9	17.4	12.8	6.0
Stems Per Unit Area (stems per acre)	101.3	49.8	13.3	11.3	6.0

### Overstory only (cont)

	black ash	American basswood	black walnut	shagbark hickory	bitternut hickory
Basal Area (square feet)	3.0	2.5	2.5	2.5	2.5
Percentage of stand basal area (%)	4.0	3.4	3.4	3.4	3.4
Stems Per Unit Area (stems per acre)	3.3	3.5	1.8	3.2	4.3

### Overstory only (cont)

	bigtooth aspen	honeylocust	slippery elm	common hackberry	American elm
Basal Area (square feet)	1.5	1.5	1.0	1.0	0.5
Percentage of stand basal area (%)	2.0	2.0	1.3	1.3	0.7
Stems Per Unit Area (stems per acre)	1.3	1.7	0.4	1.1	0.5

## Diameters

### Overstory only

	All species	sugar maple	northern red oak	white ash	white oak
Medial DBH (inches)	14.3	12.0	17.2	16.0	14.9
Merchantable Medial DBH (inches)	14.3	12.0	17.2	16.0	14.9
Quadratic Mean DBH (inches)	11.6	10.3	13.4	12.4	11.7
Merchantable Quadratic DBH (inches)	11.6	10.3	13.4	12.4	11.7
Average DBH (inches)	10.8	9.9	12.1	11.3	10.6

### Overstory only (cont)

	black ash	American basswood	black walnut	shagbark hickory	bitternut hickory
Medial DBH (inches)	14.7	13.6	17.6	13.8	13.6
Merchantable Medial DBH (inches)	14.7	13.6	17.6	13.8	13.6

<b>Quadratic Mean DBH (inches)</b>	12.9	11.5	16.1	11.9	10.3
<b>Merchantable Quadratic DBH (inches)</b>	12.9	11.5	16.1	11.9	10.3
<b>Average DBH (inches)</b>	12.4	10.7	15.7	11.3	9.3

## Overstory only (cont)

	<b>bigtooth aspen</b>	<b>honeylocust</b>	<b>slippery elm</b>	<b>common hackberry</b>	<b>American elm</b>
<b>Medial DBH (inches)</b>	15.0	14.0	23.5	13.0	14.0
<b>Merchantable Medial DBH (inches)</b>	15.0	14.0	23.5	13.0	14.0
<b>Quadratic Mean DBH (inches)</b>	14.5	12.7	22.2	13.0	14.0
<b>Merchantable Quadratic DBH (inches)</b>	14.5	12.7	22.2	13.0	14.0
<b>Average DBH (inches)</b>	14.3	12.3	21.8	13.0	14.0

## Structure

## Overstory only

	<b>All species</b>	<b>sugar maple</b>	<b>northern red oak</b>	<b>white ash</b>	<b>white oak</b>
<b>Q Factor</b>	1.25	1.26	1.12	1.15	1.14

## Overstory only (cont)

	<b>black ash</b>	<b>American basswood</b>	<b>black walnut</b>	<b>shagbark hickory</b>	<b>bitternut hickory</b>
<b>Q Factor</b>	1.15	1.16	1.16	1.10	1.19

## Overstory only (cont)

	<b>bigtooth aspen</b>	<b>honeylocust</b>	<b>slippery elm</b>	<b>common hackberry</b>	<b>American elm</b>
<b>Q Factor</b>	1.15	1.15	1.09	0.00	0.00

## Relative density

## Overstory only

	<b>All species</b>	<b>sugar maple</b>	<b>northern red oak</b>	<b>white ash</b>	<b>white oak</b>
<b>Relative Density (percent)</b>	55.84	23.92	11.41	3.81	3.70
<b>percentage of stand</b>	100.00	42.83	20.44	6.82	6.63

## Overstory only (cont)

	<b>black ash</b>	<b>American basswood</b>	<b>black walnut</b>	<b>shagbark hickory</b>	<b>bitternut hickory</b>
<b>Relative Density (percent)</b>	1.76	1.29	2.50	2.07	2.11
<b>percentage of stand</b>	3.14	2.31	4.47	3.70	3.78

## Overstory only (cont)

	<b>bigtooth aspen</b>	<b>honeylocust</b>	<b>slippery elm</b>	<b>common hackberry</b>	<b>American elm</b>
<b>Relative Density (percent)</b>	0.90	0.89	0.48	0.60	0.42
<b>percentage of stand</b>	1.60	1.59	0.86	1.07	0.74

## Volumes

### Overstory only

	All species	sugar maple	northern red oak	white ash	white oak
Sawtimber gross total (board feet/acre)	4,355	974	1,083	815	248
Sawtimber net total (board feet/acre)	4,355	974	1,083	815	248
Pulpwood gross total (cords/acre)	12	6	2	1	1
Pulpwood net total (cords/acre)	10	5	1	1	1
Gross total (cords/acre)	23	9	4	3	1
Net total (cords/acre)	18	7	3	2	1

### Overstory only (cont)

	black ash	American basswood	black walnut	shagbark hickory	bitternut hickory
Sawtimber gross total (board feet/acre)	173	106	176	126	147
Sawtimber net total (board feet/acre)	173	106	176	126	147
Pulpwood gross total (cords/acre)	1	0	0	0	0
Pulpwood net total (cords/acre)	0	0	0	0	0
Gross total (cords/acre)	1	1	1	1	1
Net total (cords/acre)	1	0	1	1	1

### Overstory only (cont)

	bigtooth aspen	honeylocust	slippery elm	common hackberry	American elm
Sawtimber gross total (board feet/acre)	167	77	145	77	41
Sawtimber net total (board feet/acre)	167	77	145	77	41
Pulpwood gross total (cords/acre)	0	0	0	0	0
Pulpwood net total (cords/acre)	0	0	0	0	0
Gross total (cords/acre)	0	0	0	0	0
Net total (cords/acre)	0	0	0	0	0

## Values

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

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, honeylocust, bitternut hickory, American basswood, common hackberry, bigtooth aspen, American elm and slippery elm.

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

### Overstory only

	All species	sugar maple	northern red oak	white ash	white oak
Pulpwood Value (dollars)	67.33	62.89	0.00	0.00	0.00

<b>Board-foot Value (dollars)</b>	500.71	481.75	0.00	0.00	0.00
<b>Dollar Value (dollars)</b>	568.03	544.64	0.00	0.00	0.00

## Overstory only (cont)

	<b>black ash</b>	<b>American basswood</b>	<b>black walnut</b>	<b>shagbark hickory</b>	<b>bitternut hickory</b>
<b>Pulpwood Value (dollars)</b>	0.00	0.00	0.00	4.44	0.00
<b>Board-foot Value (dollars)</b>	0.00	0.00	0.00	18.96	0.00
<b>Dollar Value (dollars)</b>	0.00	0.00	0.00	23.40	0.00

## Overstory only (cont)

	<b>bigtooth aspen</b>	<b>honeylocust</b>	<b>slippery elm</b>	<b>common hackberry</b>	<b>American elm</b>
<b>Pulpwood Value (dollars)</b>	0.00	0.00	0.00	0.00	0.00
<b>Board-foot Value (dollars)</b>	0.00	0.00	0.00	0.00	0.00
<b>Dollar Value (dollars)</b>	0.00	0.00	0.00	0.00	0.00

**Biomass**

## Overstory only

	<b>All species</b>	<b>sugar maple</b>	<b>northern red oak</b>	<b>white ash</b>	<b>white oak</b>
<b>Coarse Root Biomass (tons per acre)</b>	10.56	4.17	2.16	1.15	0.71
<b>Stem Wood Biomass (tons per acre)</b>	35.06	13.43	7.42	3.90	2.37
<b>Stem Bark Biomass (tons per acre)</b>	7.10	2.77	1.48	0.78	0.48
<b>Foliage Biomass (tons per acre)</b>	1.13	0.46	0.23	0.12	0.07
<b>Aboveground Biomass (tons per acre)</b>	55.90	21.99	11.51	6.11	3.75
<b>Total Biomass (tons per acre)</b>	66.46	26.16	13.67	7.27	4.45

## Overstory only (cont)

	<b>black ash</b>	<b>American basswood</b>	<b>black walnut</b>	<b>shagbark hickory</b>	<b>bitternut hickory</b>
<b>Coarse Root Biomass (tons per acre)</b>	0.35	0.28	0.32	0.38	0.38
<b>Stem Wood Biomass (tons per acre)</b>	1.18	0.94	1.10	1.26	1.24
<b>Stem Bark Biomass (tons per acre)</b>	0.24	0.19	0.22	0.26	0.25
<b>Foliage Biomass (tons per acre)</b>	0.04	0.03	0.03	0.04	0.04
<b>Aboveground Biomass (tons per acre)</b>	1.86	1.50	1.70	2.02	1.99
<b>Total Biomass (tons per acre)</b>	2.22	1.78	2.02	2.40	2.37

## Overstory only (cont)

	<b>bigtooth aspen</b>	<b>honeylocust</b>	<b>slippery elm</b>	<b>common hackberry</b>	<b>American elm</b>
<b>Coarse Root Biomass (tons per acre)</b>	0.16	0.17	0.15	0.11	0.06
<b>Stem Wood Biomass (tons per acre)</b>	0.56	0.57	0.53	0.37	0.19
<b>Stem Bark Biomass (tons per acre)</b>	0.11	0.12	0.10	0.08	0.04
<b>Foliage Biomass (tons per acre)</b>	0.02	0.02	0.01	0.01	0.01
<b>Aboveground Biomass (tons per acre)</b>	0.88	0.91	0.78	0.59	0.31

<b>Total Biomass (tons per acre)</b>	1.04	1.09	0.93	0.70	0.36
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