



Tables for estimating cubic-foot, cord, and Scribner decimal C tree volumes of major commercial species in Michigan

Introduction

The Michigan Department of Natural Resources, Forest Resources Division, has undertaken a project to increase accuracy and the robustness of timber cruising. The result of these new processes is the generation of timber sale proposals and contracts of higher statistical rigor and increased standardization of volume reporting. This was accomplished through a multi-year project that is detailed in the white paper, MacFarlane, D. 2019. *New models for a new Michigan DNR timber volume inventory system*. Michigan Department of Natural Resources.

The hallmark of the new inventory methodology is moving from generalized volume tables developed in the early-19th to early-20th centuries, to using species-specific taper models developed from destructive sampling of trees within Michigan. This new cruising system utilizes a Merchantable Form Type (MFT) classification system, to select appropriate coefficient values for each species within a cruise. The tables listed in this document are simplified outputs from the model equations. Output volume within these tables reports volume in the primary stem of a tree generated by the taper model system, given a specified DBH and number of pulp or saw sticks (100-inch logs). Branch wood volumes are displayed under the column header "branch wood", then under the columns "branch pulp" or "branch saw", respectively. Values for branch volumes are the average of all possible branch volumes for a tree of that Diameter at Breast Height (DBH), regardless of the number of sticks. These values can be added manually to any DBH and Stick combination to account for the presence of merchantable branch volume. For trees with saw timber volume, the average stem pulp above the last saw log is also shown.

The volumes generated by the MacFarlane (2019) model are in cubic feet inside bark. Those cubic foot values from the models are included in the cubic foot volume tables for pulp and sawtimber. Tables of cord volumes and Scribner Decimal C board volumes have been generated using conversion factors. These are simple conversion factors that do not consider the range of solid wood that may be found within a cord or a log. For example, a standard pulp cord is a pile of wood 4' by 4' by 8' or 128 cubic feet. This pile of wood includes solid wood, bark and air. Depending on the neatness of the pile, the average diameter of logs and bark thickness, the solid wood volume of this pile could range from 75-85 cubic feet. For the tables in this publication, we used 79 cubic feet of wood per cord. A similar statement may be made about cubic feet of sawtimber into board feet. Again, we used a simple conversion of 185 cubic feet per 1,000 board feet (MBF) of Scribner Decimal C.

The conversion from cubic feet to cord volumes was calculated using the following equation:

$$\frac{0.01266 \text{ Cords}}{\text{cuft}} * \text{cuft} = \text{Cord Volume}$$

The conversion to Scribner Decimal C was calculated using the following equation:

$$\frac{5.4 \text{ bdft}}{\text{cuft}} * \text{cuft} = \text{Scribner Decimal C board feet}$$

The resulting values of this equation were rounded to the nearest 10 bdft to conform with a Scribner Decimal C log scale.

Additionally, using information gathered from two separate surveys distributed to users of the State of Michigan Vegetative Management System (VMS), several changes have been made to state timber sales. Surveys were conducted in 2018 and 2019, providing 117 and 60 responses, respectively. The goal of this project was to provide more pertinent information to customers bidding on MDNR timber sales.

A few highlights of changes to volume reporting includes:

- One log scale for sales statewide (Scribner Decimal C rule)
- All sawlog volume will be calculated to a 10-inch diameter inside bark (DIB)

Bidders on sale proposals will have access to supplemental information such as:

- Species-specific diameter distribution tables
- Estimated range of volumes by species
- Volumes provided by Volume Determination Unit (VDU)
- Volumes provided by Payment Unit

The DNR Forest Resources Division expects that these reporting changes and additional information will be of high utility for our stakeholders and customers.

References

MacFarlane, D. 2019. [New models for a new Michigan DNR timber volume inventory system](#). Michigan Department of Natural Resources.

Michigan Department of Natural Resources, Forest Resources Division. Michigan.gov/Forestry. 2020.

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Reading the tables

For the following volume tables, three notations are referenced and are described below:

- †DOB = Diameter Outside Bark
- X* refers to the average over all merchantable heights
- Grey-shaded values represent trees with unusually high numbers of sticks for their DBH

Softwoods

Cedar, N. White

Cubic foot volume inside bark - Cedar, N. White- Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.88 | 1.46 | 2.26 | 3.13 | 4.11 | 5.21 | 6.45 | 7.86 | 9.44 | 11.21 | 13.17 | 15.36 | 0.00 |
| 6 | 1.27 | 2.11 | 3.09 | 4.13 | 5.29 | 6.59 | 8.05 | 9.69 | 11.52 | 13.56 | 15.82 | 18.32 | 0.04 |
| 7 | 1.74 | 2.89 | 4.07 | 5.30 | 6.67 | 8.19 | 9.89 | 11.79 | 13.90 | 16.23 | 18.80 | 21.62 | 0.30 |
| 8 | 2.27 | 3.79 | 5.19 | 6.65 | 8.24 | 10.01 | 11.97 | 14.15 | 16.55 | 19.20 | 22.10 | 25.28 | 0.55 |
| 9 | 2.87 | 4.81 | 6.47 | 8.17 | 10.01 | 12.05 | 14.29 | 16.77 | 19.49 | 22.48 | 25.74 | 29.29 | 0.80 |
| 10 | 3.55 | 5.96 | 7.89 | 9.86 | 11.98 | 14.31 | 16.86 | 19.66 | 22.72 | 26.06 | 29.70 | 33.65 | 1.05 |
| 11 | 4.30 | 7.23 | 9.47 | 11.73 | 14.15 | 16.79 | 19.67 | 22.81 | 26.23 | 29.96 | 33.99 | 38.36 | 1.30 |
| 12 | 5.12 | 8.63 | 11.20 | 13.78 | 16.52 | 19.49 | 22.72 | 26.22 | 30.03 | 34.16 | 38.62 | 43.42 | 1.55 |
| 13 | 6.01 | 10.15 | 13.08 | 16.00 | 19.08 | 22.41 | 26.01 | 29.91 | 34.12 | 38.67 | 43.57 | 48.84 | 1.80 |
| 14 | 6.97 | 11.80 | 15.11 | 18.39 | 21.85 | 25.55 | 29.55 | 33.85 | 38.50 | 43.49 | 48.86 | 54.61 | 2.05 |
| 15 | 8.00 | 13.56 | 17.29 | 20.96 | 24.81 | 28.92 | 33.33 | 38.06 | 43.16 | 48.62 | 54.47 | 60.73 | 2.30 |
| 16 | 9.11 | 15.46 | 19.63 | 23.71 | 27.97 | 32.50 | 37.35 | 42.54 | 48.11 | 54.06 | 60.42 | 67.20 | 2.55 |
| 17 | 10.29 | 17.48 | 22.11 | 26.63 | 31.33 | 36.31 | 41.62 | 47.29 | 53.34 | 59.81 | 66.70 | 74.03 | 2.80 |
| 18 | 11.54 | 19.62 | 24.75 | 29.73 | 34.89 | 40.34 | 46.13 | 52.30 | 58.87 | 65.87 | 73.31 | 81.21 | 3.05 |
| 19 | 12.86 | 21.89 | 27.54 | 33.01 | 38.65 | 44.59 | 50.88 | 57.57 | 64.68 | 72.24 | 80.25 | 88.74 | 3.31 |
| 20 | 14.25 | 24.28 | 30.48 | 36.46 | 42.61 | 49.06 | 55.89 | 63.12 | 70.79 | 78.92 | 87.52 | 96.63 | 3.56 |
| 21 | 15.72 | 26.80 | 33.57 | 40.09 | 46.77 | 53.76 | 61.13 | 68.93 | 77.18 | 85.91 | 95.13 | 104.87 | 3.81 |
| 22 | 17.26 | 29.44 | 36.82 | 43.89 | 51.12 | 58.68 | 66.62 | 75.00 | 83.86 | 93.21 | 103.07 | 113.47 | 4.06 |
| 23 | 18.87 | 32.21 | 40.22 | 47.87 | 55.68 | 63.82 | 72.36 | 81.35 | 90.83 | 100.82 | 111.34 | 122.42 | 4.31 |
| 24 | 20.55 | 35.10 | 43.77 | 52.03 | 60.44 | 69.18 | 78.34 | 87.96 | 98.09 | 108.74 | 119.95 | 131.73 | 4.56 |
| 25 | 22.30 | 38.12 | 47.47 | 56.36 | 65.40 | 74.77 | 84.56 | 94.84 | 105.63 | 116.98 | 128.89 | 141.39 | 4.81 |
| 26 | 24.13 | 41.27 | 51.33 | 60.88 | 70.56 | 80.57 | 91.03 | 101.98 | 113.47 | 125.52 | 138.16 | 151.40 | 5.06 |
| 27 | 26.03 | 44.54 | 55.33 | 65.57 | 75.91 | 86.61 | 97.75 | 109.40 | 121.60 | 134.38 | 147.77 | 161.78 | 5.31 |
| 28 | 28.00 | 47.93 | 59.50 | 70.43 | 81.47 | 92.86 | 104.71 | 117.08 | 130.02 | 143.55 | 157.70 | 172.50 | 5.56 |
| 29 | 30.04 | 51.45 | 63.81 | 75.48 | 87.23 | 99.34 | 111.92 | 125.03 | 138.72 | 153.03 | 167.98 | 183.59 | 5.81 |
| 30 | 32.15 | 55.10 | 68.28 | 80.70 | 93.19 | 106.04 | 119.37 | 133.25 | 147.72 | 162.82 | 178.58 | 195.02 | 6.06 |
| 31 | 34.34 | 58.87 | 72.90 | 86.10 | 99.36 | 112.97 | 127.07 | 141.73 | 157.01 | 172.93 | 189.53 | 206.82 | 6.32 |
| 32 | 36.59 | 62.77 | 77.67 | 91.67 | 105.72 | 120.12 | 135.01 | 150.49 | 166.58 | 183.35 | 200.80 | 218.97 | 6.57 |
| 33 | 38.92 | 66.79 | 82.60 | 97.43 | 112.28 | 127.49 | 143.21 | 159.51 | 176.45 | 194.08 | 212.41 | 231.48 | 6.82 |
| 34 | 41.33 | 70.94 | 87.68 | 103.36 | 119.05 | 135.09 | 151.64 | 168.80 | 186.61 | 205.12 | 224.35 | 244.34 | 7.07 |
| 35 | 43.80 | 75.22 | 92.91 | 109.47 | 126.01 | 142.91 | 160.33 | 178.36 | 197.06 | 216.47 | 236.63 | 257.56 | 7.32 |
| 36 | 46.35 | 79.62 | 98.30 | 115.75 | 133.18 | 150.95 | 169.26 | 188.19 | 207.80 | 228.14 | 249.25 | 271.14 | 7.57 |
| 37 | 48.97 | 84.15 | 103.83 | 122.22 | 140.54 | 159.22 | 178.43 | 198.28 | 218.83 | 240.12 | 262.19 | 285.07 | 7.82 |
| 38 | 51.66 | 88.80 | 109.53 | 128.86 | 148.11 | 167.71 | 187.86 | 208.65 | 230.15 | 252.42 | 275.48 | 299.36 | 8.07 |
| 39 | 54.42 | 93.58 | 115.37 | 135.68 | 155.88 | 176.43 | 197.53 | 219.28 | 241.77 | 265.03 | 289.10 | 314.01 | 8.32 |
| 40 | 57.26 | 98.49 | 121.37 | 142.68 | 163.85 | 185.37 | 207.44 | 230.19 | 253.67 | 277.95 | 303.05 | 329.01 | 8.57 |

Cord volume -Cedar, N. White- Trees with pulpwood only

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|--|------|------|------|------|------|------|------|------|------|------------|--------------|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch saw* |
| 5 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.08 | 0.10 | 0.12 | 0.14 | 0.17 | 0.19 | 0.00 |
| 6 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.08 | 0.10 | 0.12 | 0.15 | 0.17 | 0.20 | 0.23 | 0.00 |
| 7 | 0.02 | 0.04 | 0.05 | 0.07 | 0.08 | 0.10 | 0.13 | 0.15 | 0.18 | 0.21 | 0.24 | 0.27 | 0.00 |
| 8 | 0.03 | 0.05 | 0.07 | 0.08 | 0.10 | 0.13 | 0.15 | 0.18 | 0.21 | 0.24 | 0.28 | 0.32 | 0.01 |
| 9 | 0.04 | 0.06 | 0.08 | 0.10 | 0.13 | 0.15 | 0.18 | 0.21 | 0.25 | 0.28 | 0.33 | 0.37 | 0.01 |
| 10 | 0.04 | 0.08 | 0.10 | 0.12 | 0.15 | 0.18 | 0.21 | 0.25 | 0.29 | 0.33 | 0.38 | 0.43 | 0.01 |
| 11 | 0.05 | 0.09 | 0.12 | 0.15 | 0.18 | 0.21 | 0.25 | 0.29 | 0.33 | 0.38 | 0.43 | 0.49 | 0.02 |
| 12 | 0.06 | 0.11 | 0.14 | 0.17 | 0.21 | 0.25 | 0.29 | 0.33 | 0.38 | 0.43 | 0.49 | 0.55 | 0.02 |
| 13 | 0.08 | 0.13 | 0.17 | 0.20 | 0.24 | 0.28 | 0.33 | 0.38 | 0.43 | 0.49 | 0.55 | 0.62 | 0.02 |
| 14 | 0.09 | 0.15 | 0.19 | 0.23 | 0.28 | 0.32 | 0.37 | 0.43 | 0.49 | 0.55 | 0.62 | 0.69 | 0.03 |
| 15 | 0.10 | 0.17 | 0.22 | 0.27 | 0.31 | 0.37 | 0.42 | 0.48 | 0.55 | 0.62 | 0.69 | 0.77 | 0.03 |
| 16 | 0.12 | 0.20 | 0.25 | 0.30 | 0.35 | 0.41 | 0.47 | 0.54 | 0.61 | 0.68 | 0.76 | 0.85 | 0.03 |
| 17 | 0.13 | 0.22 | 0.28 | 0.34 | 0.40 | 0.46 | 0.53 | 0.60 | 0.68 | 0.76 | 0.84 | 0.94 | 0.04 |
| 18 | 0.15 | 0.25 | 0.31 | 0.38 | 0.44 | 0.51 | 0.58 | 0.66 | 0.75 | 0.83 | 0.93 | 1.03 | 0.04 |
| 19 | 0.16 | 0.28 | 0.35 | 0.42 | 0.49 | 0.56 | 0.64 | 0.73 | 0.82 | 0.91 | 1.02 | 1.12 | 0.04 |
| 20 | 0.18 | 0.31 | 0.39 | 0.46 | 0.54 | 0.62 | 0.71 | 0.80 | 0.90 | 1.00 | 1.11 | 1.22 | 0.05 |
| 21 | 0.20 | 0.34 | 0.43 | 0.51 | 0.59 | 0.68 | 0.77 | 0.87 | 0.98 | 1.09 | 1.20 | 1.33 | 0.05 |
| 22 | 0.22 | 0.37 | 0.47 | 0.56 | 0.65 | 0.74 | 0.84 | 0.95 | 1.06 | 1.18 | 1.30 | 1.44 | 0.05 |
| 23 | 0.24 | 0.41 | 0.51 | 0.61 | 0.70 | 0.81 | 0.92 | 1.03 | 1.15 | 1.28 | 1.41 | 1.55 | 0.05 |
| 24 | 0.26 | 0.44 | 0.55 | 0.66 | 0.77 | 0.88 | 0.99 | 1.11 | 1.24 | 1.38 | 1.52 | 1.67 | 0.06 |
| 25 | 0.28 | 0.48 | 0.60 | 0.71 | 0.83 | 0.95 | 1.07 | 1.20 | 1.34 | 1.48 | 1.63 | 1.79 | 0.06 |
| 26 | 0.31 | 0.52 | 0.65 | 0.77 | 0.89 | 1.02 | 1.15 | 1.29 | 1.44 | 1.59 | 1.75 | 1.92 | 0.06 |
| 27 | 0.33 | 0.56 | 0.70 | 0.83 | 0.96 | 1.10 | 1.24 | 1.38 | 1.54 | 1.70 | 1.87 | 2.05 | 0.07 |
| 28 | 0.35 | 0.61 | 0.75 | 0.89 | 1.03 | 1.18 | 1.33 | 1.48 | 1.65 | 1.82 | 2.00 | 2.18 | 0.07 |
| 29 | 0.38 | 0.65 | 0.81 | 0.96 | 1.10 | 1.26 | 1.42 | 1.58 | 1.76 | 1.94 | 2.13 | 2.32 | 0.07 |
| 30 | 0.41 | 0.70 | 0.86 | 1.02 | 1.18 | 1.34 | 1.51 | 1.69 | 1.87 | 2.06 | 2.26 | 2.47 | 0.08 |
| 31 | 0.43 | 0.75 | 0.92 | 1.09 | 1.26 | 1.43 | 1.61 | 1.79 | 1.99 | 2.19 | 2.40 | 2.62 | 0.08 |
| 32 | 0.46 | 0.79 | 0.98 | 1.16 | 1.34 | 1.52 | 1.71 | 1.91 | 2.11 | 2.32 | 2.54 | 2.77 | 0.08 |
| 33 | 0.49 | 0.85 | 1.05 | 1.23 | 1.42 | 1.61 | 1.81 | 2.02 | 2.23 | 2.46 | 2.69 | 2.93 | 0.09 |
| 34 | 0.52 | 0.90 | 1.11 | 1.31 | 1.51 | 1.71 | 1.92 | 2.14 | 2.36 | 2.60 | 2.84 | 3.09 | 0.09 |
| 35 | 0.55 | 0.95 | 1.18 | 1.39 | 1.60 | 1.81 | 2.03 | 2.26 | 2.49 | 2.74 | 3.00 | 3.26 | 0.09 |
| 36 | 0.59 | 1.01 | 1.24 | 1.47 | 1.69 | 1.91 | 2.14 | 2.38 | 2.63 | 2.89 | 3.16 | 3.43 | 0.10 |
| 37 | 0.62 | 1.07 | 1.31 | 1.55 | 1.78 | 2.02 | 2.26 | 2.51 | 2.77 | 3.04 | 3.32 | 3.61 | 0.10 |
| 38 | 0.65 | 1.12 | 1.39 | 1.63 | 1.88 | 2.12 | 2.38 | 2.64 | 2.91 | 3.20 | 3.49 | 3.79 | 0.10 |
| 39 | 0.69 | 1.18 | 1.46 | 1.72 | 1.97 | 2.23 | 2.50 | 2.78 | 3.06 | 3.36 | 3.66 | 3.98 | 0.11 |
| 40 | 0.72 | 1.25 | 1.54 | 1.81 | 2.07 | 2.35 | 2.63 | 2.91 | 3.21 | 3.52 | 3.84 | 4.17 | 0.11 |

Cubic foot volume inside bark -Cedar, N. White- Sawtimber trees with topwood pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------|--------------|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch saw* |
| 11 | 4.57 | 8.36 | 11.97 | 15.32 | 18.77 | 23.27 | 28.40 | 32.94 | 37.79 | 42.97 | 4.65 | 2.05 | 1.10 |
| 12 | 5.44 | 9.91 | 14.08 | 17.90 | 21.79 | 26.83 | 32.53 | 37.56 | 42.91 | 48.60 | 5.18 | 2.25 | 1.25 |
| 13 | 6.39 | 11.60 | 16.37 | 20.69 | 25.06 | 30.66 | 36.97 | 42.51 | 48.37 | 54.60 | 5.76 | 2.47 | 1.42 |
| 14 | 7.42 | 13.42 | 18.84 | 23.69 | 28.56 | 34.76 | 41.70 | 47.78 | 54.19 | 60.97 | 6.37 | 2.70 | 1.62 |
| 15 | 8.52 | 15.38 | 21.48 | 26.90 | 32.30 | 39.12 | 46.73 | 53.37 | 60.35 | 67.72 | 7.03 | 2.94 | 1.84 |
| 16 | 9.70 | 17.47 | 24.29 | 30.32 | 36.28 | 43.76 | 52.06 | 59.29 | 66.87 | 74.84 | 7.73 | 3.19 | 2.10 |
| 17 | 10.96 | 19.69 | 27.29 | 33.94 | 40.49 | 48.66 | 57.69 | 65.53 | 73.73 | 82.33 | 8.47 | 3.44 | 2.39 |
| 18 | 12.29 | 22.05 | 30.46 | 37.78 | 44.94 | 53.83 | 63.62 | 72.10 | 80.95 | 90.20 | 9.25 | 3.70 | 2.72 |
| 19 | 13.70 | 24.55 | 33.80 | 41.82 | 49.64 | 59.27 | 69.85 | 79.00 | 88.51 | 98.45 | 10.07 | 3.97 | 3.09 |
| 20 | 15.19 | 27.18 | 37.33 | 46.08 | 54.57 | 64.98 | 76.38 | 86.22 | 96.43 | 107.06 | 10.94 | 4.23 | 3.52 |
| 21 | 16.75 | 29.94 | 41.03 | 50.54 | 59.73 | 70.96 | 83.21 | 93.76 | 104.69 | 116.06 | 11.84 | 4.49 | 4.01 |
| 22 | 18.40 | 32.84 | 44.90 | 55.22 | 65.14 | 77.21 | 90.34 | 101.64 | 113.31 | 125.43 | 12.79 | 4.75 | 4.57 |
| 23 | 20.12 | 35.87 | 48.96 | 60.10 | 70.79 | 83.73 | 97.77 | 109.83 | 122.28 | 135.17 | 13.78 | 4.99 | 5.20 |
| 24 | 21.92 | 39.04 | 53.19 | 65.19 | 76.67 | 90.51 | 105.50 | 118.36 | 131.60 | 145.29 | 14.81 | 5.21 | 5.92 |
| 25 | 23.79 | 42.34 | 57.59 | 70.50 | 82.79 | 97.57 | 113.54 | 127.21 | 141.27 | 155.79 | 15.88 | 5.41 | 6.74 |
| 26 | 25.74 | 45.78 | 62.18 | 76.01 | 89.16 | 104.90 | 121.87 | 136.39 | 151.29 | 166.66 | 16.99 | 5.58 | 7.67 |
| 27 | 27.77 | 49.35 | 66.94 | 81.73 | 95.76 | 112.50 | 130.50 | 145.89 | 161.67 | 177.91 | 18.15 | 5.71 | 8.74 |
| 28 | 29.88 | 53.06 | 71.88 | 87.67 | 102.60 | 120.36 | 139.44 | 155.72 | 172.39 | 189.53 | 19.35 | 5.79 | 9.95 |
| 29 | 32.07 | 56.91 | 76.99 | 93.81 | 109.68 | 128.50 | 148.67 | 165.88 | 183.47 | 201.53 | 20.58 | 5.80 | 11.33 |
| 30 | 34.33 | 60.89 | 82.29 | 100.17 | 117.00 | 136.91 | 158.21 | 176.37 | 194.90 | 213.91 | 21.86 | 5.74 | 12.90 |
| 31 | 36.67 | 65.00 | 87.76 | 106.73 | 124.56 | 145.59 | 168.05 | 187.18 | 206.68 | 226.66 | 23.18 | 5.58 | 14.68 |
| 32 | 39.09 | 69.25 | 93.41 | 113.51 | 132.36 | 154.54 | 178.19 | 198.32 | 218.82 | 239.79 | 24.54 | 5.50 | 16.72 |
| 33 | 41.58 | 73.64 | 99.23 | 120.49 | 140.40 | 163.76 | 188.64 | 209.79 | 231.31 | 253.30 | 25.95 | 5.85 | 19.03 |
| 34 | 44.16 | 78.16 | 105.24 | 127.69 | 148.68 | 173.25 | 199.38 | 221.59 | 244.15 | 267.19 | 27.39 | 6.20 | 21.67 |
| 35 | 46.81 | 82.82 | 111.42 | 135.10 | 157.20 | 183.01 | 210.43 | 233.71 | 257.34 | 281.45 | 28.88 | 6.58 | 24.67 |
| 36 | 49.54 | 87.61 | 117.78 | 142.72 | 165.95 | 193.05 | 221.78 | 246.17 | 270.89 | 296.09 | 30.41 | 6.96 | 28.09 |
| 37 | 52.35 | 92.54 | 124.32 | 150.55 | 174.95 | 203.35 | 233.43 | 258.95 | 284.79 | 311.11 | 31.98 | 7.35 | 31.98 |
| 38 | 55.23 | 97.60 | 131.04 | 158.59 | 184.19 | 213.93 | 245.38 | 272.06 | 299.04 | 326.50 | 33.59 | 7.75 | 36.41 |
| 39 | 58.20 | 102.80 | 137.93 | 166.84 | 193.67 | 224.78 | 257.64 | 285.49 | 313.65 | 342.28 | 35.25 | 8.16 | 41.45 |
| 40 | 61.24 | 108.14 | 145.00 | 175.31 | 203.39 | 235.90 | 270.20 | 299.26 | 328.61 | 358.43 | 36.94 | 8.59 | 47.20 |

Scribner Dec. C bdfv volumes -Cedar, N. White- Sawtimber with top pulp and merch branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|--|-----|-----|-----|------|------|------|------|------|------|------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch bdfv* |
| 11 | 20 | 50 | 60 | 80 | 100 | 130 | 150 | 180 | 200 | 230 | 0 | 0 | 10 |
| 12 | 30 | 50 | 80 | 100 | 120 | 140 | 180 | 200 | 230 | 260 | 0 | 0 | 10 |
| 13 | 30 | 60 | 90 | 110 | 140 | 170 | 200 | 230 | 260 | 290 | 0 | 0 | 10 |
| 14 | 40 | 70 | 100 | 130 | 150 | 190 | 230 | 260 | 290 | 330 | 0 | 0 | 10 |
| 15 | 50 | 80 | 120 | 150 | 170 | 210 | 250 | 290 | 330 | 370 | 0 | 0 | 10 |
| 16 | 50 | 90 | 130 | 160 | 200 | 240 | 280 | 320 | 360 | 400 | 0 | 0 | 10 |
| 17 | 60 | 110 | 150 | 180 | 220 | 260 | 310 | 350 | 400 | 440 | 0 | 0 | 10 |
| 18 | 70 | 120 | 160 | 200 | 240 | 290 | 340 | 390 | 440 | 490 | 0 | 0 | 10 |
| 19 | 70 | 130 | 180 | 230 | 270 | 320 | 380 | 430 | 480 | 530 | 0 | 0 | 20 |
| 20 | 80 | 150 | 200 | 250 | 290 | 350 | 410 | 470 | 520 | 580 | 0 | 0 | 20 |
| 21 | 90 | 160 | 220 | 270 | 320 | 380 | 450 | 510 | 570 | 630 | 0 | 0 | 20 |
| 22 | 100 | 180 | 240 | 300 | 350 | 420 | 490 | 550 | 610 | 680 | 0 | 0 | 20 |
| 23 | 110 | 190 | 260 | 320 | 380 | 450 | 530 | 590 | 660 | 730 | 0 | 0 | 30 |
| 24 | 120 | 210 | 290 | 350 | 410 | 490 | 570 | 640 | 710 | 780 | 0 | 0 | 30 |
| 25 | 130 | 230 | 310 | 380 | 450 | 530 | 610 | 690 | 760 | 840 | 0 | 0 | 40 |
| 26 | 140 | 250 | 340 | 410 | 480 | 570 | 660 | 740 | 820 | 900 | 0 | 0 | 40 |
| 27 | 150 | 270 | 360 | 440 | 520 | 610 | 700 | 790 | 870 | 960 | 0 | 0 | 50 |
| 28 | 160 | 290 | 390 | 470 | 550 | 650 | 750 | 840 | 930 | 1020 | 0 | 0 | 50 |
| 29 | 170 | 310 | 420 | 510 | 590 | 690 | 800 | 900 | 990 | 1090 | 0 | 0 | 60 |
| 30 | 190 | 330 | 440 | 540 | 630 | 740 | 850 | 950 | 1050 | 1160 | 0 | 0 | 70 |
| 31 | 200 | 350 | 470 | 580 | 670 | 790 | 910 | 1010 | 1120 | 1220 | 0 | 0 | 80 |
| 32 | 210 | 370 | 500 | 610 | 710 | 830 | 960 | 1070 | 1180 | 1290 | 0 | 0 | 90 |
| 33 | 220 | 400 | 540 | 650 | 760 | 880 | 1020 | 1130 | 1250 | 1370 | 0 | 0 | 100 |
| 34 | 240 | 420 | 570 | 690 | 800 | 940 | 1080 | 1200 | 1320 | 1440 | 0 | 0 | 120 |
| 35 | 250 | 450 | 600 | 730 | 850 | 990 | 1140 | 1260 | 1390 | 1520 | 0 | 0 | 130 |
| 36 | 270 | 470 | 640 | 770 | 900 | 1040 | 1200 | 1330 | 1460 | 1600 | 0 | 0 | 150 |
| 37 | 280 | 500 | 670 | 810 | 940 | 1100 | 1260 | 1400 | 1540 | 1680 | 0 | 0 | 170 |
| 38 | 300 | 530 | 710 | 860 | 990 | 1160 | 1330 | 1470 | 1610 | 1760 | 0 | 0 | 200 |
| 39 | 310 | 560 | 740 | 900 | 1050 | 1210 | 1390 | 1540 | 1690 | 1850 | 0 | 0 | 220 |
| 40 | 330 | 580 | 780 | 950 | 1100 | 1270 | 1460 | 1620 | 1770 | 1940 | 0 | 0 | 250 |

Fir, balsam

Cubic foot volume inside bark - Fir, Balsam - Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4 . 0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.88 | 1.70 | 2.39 | 3.24 | 4.22 | 5.34 | 6.60 | 8.01 | 9.60 | 11.38 | 13.35 | 15.53 | 0.00 |
| 6 | 1.27 | 2.44 | 3.24 | 4.25 | 5.40 | 6.71 | 8.18 | 9.83 | 11.67 | 13.71 | 15.97 | 18.47 | 0.04 |
| 7 | 1.74 | 3.32 | 4.26 | 5.44 | 6.79 | 8.31 | 10.02 | 11.92 | 14.03 | 16.37 | 18.94 | 21.76 | 0.30 |
| 8 | 2.27 | 4.35 | 5.44 | 6.81 | 8.38 | 10.14 | 12.10 | 14.28 | 16.69 | 19.33 | 22.24 | 25.41 | 0.55 |
| 9 | 2.87 | 5.51 | 6.77 | 8.36 | 10.17 | 12.19 | 14.43 | 16.91 | 19.63 | 22.61 | 25.87 | 29.42 | 0.80 |
| 10 | 3.55 | 6.82 | 8.26 | 10.09 | 12.17 | 14.47 | 17.01 | 19.81 | 22.87 | 26.21 | 29.84 | 33.78 | 1.05 |
| 11 | 4.30 | 8.26 | 9.91 | 12.01 | 14.36 | 16.97 | 19.84 | 22.97 | 26.40 | 30.12 | 34.15 | 38.51 | 1.30 |
| 12 | 5.12 | 9.84 | 11.72 | 14.10 | 16.76 | 19.70 | 22.91 | 26.41 | 30.21 | 34.33 | 38.79 | 43.58 | 1.55 |
| 13 | 6.01 | 11.57 | 13.68 | 16.37 | 19.36 | 22.65 | 26.23 | 30.11 | 34.32 | 38.87 | 43.76 | 49.02 | 1.80 |
| 14 | 6.97 | 13.43 | 15.81 | 18.82 | 22.17 | 25.82 | 29.79 | 34.08 | 38.72 | 43.71 | 49.07 | 54.81 | 2.05 |
| 15 | 8.00 | 15.43 | 18.09 | 21.45 | 25.17 | 29.22 | 33.60 | 38.33 | 43.41 | 48.87 | 54.71 | 60.96 | 2.30 |
| 16 | 9.11 | 17.58 | 20.54 | 24.27 | 28.38 | 32.84 | 37.66 | 42.84 | 48.39 | 54.33 | 60.69 | 67.46 | 2.55 |
| 17 | 10.29 | 19.86 | 23.14 | 27.26 | 31.79 | 36.69 | 41.96 | 47.61 | 53.66 | 60.12 | 67.00 | 74.32 | 2.80 |
| 18 | 11.54 | 22.29 | 25.90 | 30.44 | 35.41 | 40.77 | 46.52 | 52.66 | 59.22 | 66.21 | 73.64 | 81.53 | 3.05 |
| 19 | 12.86 | 24.86 | 28.82 | 33.79 | 39.22 | 45.07 | 51.31 | 57.98 | 65.08 | 72.62 | 80.62 | 89.10 | 3.31 |
| 20 | 14.25 | 27.57 | 31.90 | 37.33 | 43.25 | 49.59 | 56.36 | 63.57 | 71.22 | 79.34 | 87.94 | 97.03 | 3.56 |
| 21 | 15.72 | 30.41 | 35.13 | 41.05 | 47.47 | 54.34 | 61.66 | 69.42 | 77.66 | 86.37 | 95.59 | 105.32 | 3.81 |
| 22 | 17.26 | 33.41 | 38.53 | 44.95 | 51.90 | 59.32 | 67.20 | 75.55 | 84.39 | 93.72 | 103.58 | 113.96 | 4.06 |
| 23 | 18.87 | 36.54 | 42.09 | 49.03 | 56.53 | 64.52 | 72.99 | 81.94 | 91.40 | 101.38 | 111.90 | 122.96 | 4.31 |
| 24 | 20.55 | 39.81 | 45.81 | 53.29 | 61.36 | 69.94 | 79.02 | 88.61 | 98.72 | 109.36 | 120.56 | 132.32 | 4.56 |
| 25 | 22.30 | 43.23 | 49.68 | 57.73 | 66.40 | 75.60 | 85.31 | 95.55 | 106.32 | 117.65 | 129.55 | 142.04 | 4.81 |
| 26 | 24.13 | 46.78 | 53.72 | 62.36 | 71.64 | 81.48 | 91.84 | 102.75 | 114.22 | 126.25 | 138.88 | 152.11 | 5.06 |
| 27 | 26.03 | 50.48 | 57.92 | 67.16 | 77.09 | 87.58 | 98.63 | 110.23 | 122.40 | 135.17 | 148.55 | 162.55 | 5.31 |
| 28 | 28.00 | 54.32 | 62.28 | 72.15 | 82.74 | 93.91 | 105.66 | 117.97 | 130.88 | 144.40 | 158.55 | 173.34 | 5.56 |
| 29 | 30.04 | 58.30 | 66.79 | 77.32 | 88.59 | 100.47 | 112.93 | 125.99 | 139.66 | 153.95 | 168.89 | 184.49 | 5.81 |
| 30 | 32.15 | 62.42 | 71.47 | 82.67 | 94.65 | 107.25 | 120.46 | 134.28 | 148.72 | 163.81 | 179.56 | 195.99 | 6.06 |
| 31 | 34.34 | 66.69 | 76.31 | 88.21 | 100.91 | 114.26 | 128.24 | 142.84 | 158.08 | 173.99 | 190.57 | 207.86 | 6.32 |
| 32 | 36.59 | 71.09 | 81.30 | 93.93 | 107.38 | 121.50 | 136.26 | 151.67 | 167.73 | 184.48 | 201.92 | 220.08 | 6.57 |
| 33 | 38.92 | 75.64 | 86.46 | 99.82 | 114.05 | 128.96 | 144.54 | 160.77 | 177.68 | 195.29 | 213.61 | 232.67 | 6.82 |
| 34 | 41.33 | 80.33 | 91.78 | 105.91 | 120.92 | 136.65 | 153.06 | 170.14 | 187.92 | 206.41 | 225.63 | 245.61 | 7.07 |
| 35 | 43.80 | 85.17 | 97.26 | 112.17 | 128.00 | 144.57 | 161.83 | 179.78 | 198.45 | 217.85 | 237.99 | 258.91 | 7.32 |
| 36 | 46.35 | 90.14 | 102.90 | 118.62 | 135.29 | 152.71 | 170.85 | 189.70 | 209.27 | 229.60 | 250.69 | 272.57 | 7.57 |
| 37 | 48.97 | 95.26 | 108.70 | 125.24 | 142.78 | 161.08 | 180.12 | 199.88 | 220.39 | 241.67 | 263.73 | 286.60 | 7.82 |
| 38 | 51.66 | 100.52 | 114.66 | 132.05 | 150.47 | 169.68 | 189.64 | 210.34 | 231.80 | 254.05 | 277.10 | 300.98 | 8.07 |
| 39 | 54.42 | 105.92 | 120.78 | 139.05 | 158.37 | 178.51 | 199.41 | 221.07 | 243.51 | 266.75 | 290.81 | 315.72 | 8.32 |
| 40 | 57.26 | 111.46 | 127.06 | 146.22 | 166.47 | 187.56 | 209.42 | 232.07 | 255.51 | 279.76 | 304.86 | 330.82 | 8.57 |

Cord volume -Fir, Balsam- Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|------|------|------|------|------|------|------|------|------|------|------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.08 | 0.10 | 0.12 | 0.14 | 0.17 | 0.20 | 0.00 |
| 6 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.08 | 0.10 | 0.12 | 0.15 | 0.17 | 0.20 | 0.23 | 0.00 |
| 7 | 0.02 | 0.04 | 0.05 | 0.07 | 0.09 | 0.11 | 0.13 | 0.15 | 0.18 | 0.21 | 0.24 | 0.28 | 0.00 |
| 8 | 0.03 | 0.06 | 0.07 | 0.09 | 0.11 | 0.13 | 0.15 | 0.18 | 0.21 | 0.24 | 0.28 | 0.32 | 0.01 |
| 9 | 0.04 | 0.07 | 0.09 | 0.11 | 0.13 | 0.15 | 0.18 | 0.21 | 0.25 | 0.29 | 0.33 | 0.37 | 0.01 |
| 10 | 0.04 | 0.09 | 0.10 | 0.13 | 0.15 | 0.18 | 0.22 | 0.25 | 0.29 | 0.33 | 0.38 | 0.43 | 0.01 |
| 11 | 0.05 | 0.10 | 0.13 | 0.15 | 0.18 | 0.21 | 0.25 | 0.29 | 0.33 | 0.38 | 0.43 | 0.49 | 0.02 |
| 12 | 0.06 | 0.12 | 0.15 | 0.18 | 0.21 | 0.25 | 0.29 | 0.33 | 0.38 | 0.43 | 0.49 | 0.55 | 0.02 |
| 13 | 0.08 | 0.15 | 0.17 | 0.21 | 0.25 | 0.29 | 0.33 | 0.38 | 0.43 | 0.49 | 0.55 | 0.62 | 0.02 |
| 14 | 0.09 | 0.17 | 0.20 | 0.24 | 0.28 | 0.33 | 0.38 | 0.43 | 0.49 | 0.55 | 0.62 | 0.69 | 0.03 |
| 15 | 0.10 | 0.20 | 0.23 | 0.27 | 0.32 | 0.37 | 0.43 | 0.49 | 0.55 | 0.62 | 0.69 | 0.77 | 0.03 |
| 16 | 0.12 | 0.22 | 0.26 | 0.31 | 0.36 | 0.42 | 0.48 | 0.54 | 0.61 | 0.69 | 0.77 | 0.85 | 0.03 |
| 17 | 0.13 | 0.25 | 0.29 | 0.35 | 0.40 | 0.46 | 0.53 | 0.60 | 0.68 | 0.76 | 0.85 | 0.94 | 0.04 |
| 18 | 0.15 | 0.28 | 0.33 | 0.39 | 0.45 | 0.52 | 0.59 | 0.67 | 0.75 | 0.84 | 0.93 | 1.03 | 0.04 |
| 19 | 0.16 | 0.31 | 0.36 | 0.43 | 0.50 | 0.57 | 0.65 | 0.73 | 0.82 | 0.92 | 1.02 | 1.13 | 0.04 |
| 20 | 0.18 | 0.35 | 0.40 | 0.47 | 0.55 | 0.63 | 0.71 | 0.80 | 0.90 | 1.00 | 1.11 | 1.23 | 0.05 |
| 21 | 0.20 | 0.39 | 0.44 | 0.52 | 0.60 | 0.69 | 0.78 | 0.88 | 0.98 | 1.09 | 1.21 | 1.33 | 0.05 |
| 22 | 0.22 | 0.42 | 0.49 | 0.57 | 0.66 | 0.75 | 0.85 | 0.96 | 1.07 | 1.19 | 1.31 | 1.44 | 0.05 |
| 23 | 0.24 | 0.46 | 0.53 | 0.62 | 0.72 | 0.82 | 0.92 | 1.04 | 1.16 | 1.28 | 1.42 | 1.56 | 0.05 |
| 24 | 0.26 | 0.50 | 0.58 | 0.67 | 0.78 | 0.89 | 1.00 | 1.12 | 1.25 | 1.38 | 1.53 | 1.68 | 0.06 |
| 25 | 0.28 | 0.55 | 0.63 | 0.73 | 0.84 | 0.96 | 1.08 | 1.21 | 1.35 | 1.49 | 1.64 | 1.80 | 0.06 |
| 26 | 0.31 | 0.59 | 0.68 | 0.79 | 0.91 | 1.03 | 1.16 | 1.30 | 1.45 | 1.60 | 1.76 | 1.93 | 0.06 |
| 27 | 0.33 | 0.64 | 0.73 | 0.85 | 0.98 | 1.11 | 1.25 | 1.40 | 1.55 | 1.71 | 1.88 | 2.06 | 0.07 |
| 28 | 0.35 | 0.69 | 0.79 | 0.91 | 1.05 | 1.19 | 1.34 | 1.49 | 1.66 | 1.83 | 2.01 | 2.19 | 0.07 |
| 29 | 0.38 | 0.74 | 0.85 | 0.98 | 1.12 | 1.27 | 1.43 | 1.60 | 1.77 | 1.95 | 2.14 | 2.34 | 0.07 |
| 30 | 0.41 | 0.79 | 0.90 | 1.05 | 1.20 | 1.36 | 1.53 | 1.70 | 1.88 | 2.07 | 2.27 | 2.48 | 0.08 |
| 31 | 0.43 | 0.84 | 0.97 | 1.12 | 1.28 | 1.45 | 1.62 | 1.81 | 2.00 | 2.20 | 2.41 | 2.63 | 0.08 |
| 32 | 0.46 | 0.90 | 1.03 | 1.19 | 1.36 | 1.54 | 1.73 | 1.92 | 2.12 | 2.34 | 2.56 | 2.79 | 0.08 |
| 33 | 0.49 | 0.96 | 1.09 | 1.26 | 1.44 | 1.63 | 1.83 | 2.04 | 2.25 | 2.47 | 2.70 | 2.95 | 0.09 |
| 34 | 0.52 | 1.02 | 1.16 | 1.34 | 1.53 | 1.73 | 1.94 | 2.15 | 2.38 | 2.61 | 2.86 | 3.11 | 0.09 |
| 35 | 0.55 | 1.08 | 1.23 | 1.42 | 1.62 | 1.83 | 2.05 | 2.28 | 2.51 | 2.76 | 3.01 | 3.28 | 0.09 |
| 36 | 0.59 | 1.14 | 1.30 | 1.50 | 1.71 | 1.93 | 2.16 | 2.40 | 2.65 | 2.91 | 3.17 | 3.45 | 0.10 |
| 37 | 0.62 | 1.21 | 1.38 | 1.59 | 1.81 | 2.04 | 2.28 | 2.53 | 2.79 | 3.06 | 3.34 | 3.63 | 0.10 |
| 38 | 0.65 | 1.27 | 1.45 | 1.67 | 1.90 | 2.15 | 2.40 | 2.66 | 2.93 | 3.22 | 3.51 | 3.81 | 0.10 |
| 39 | 0.69 | 1.34 | 1.53 | 1.76 | 2.00 | 2.26 | 2.52 | 2.80 | 3.08 | 3.38 | 3.68 | 4.00 | 0.11 |
| 40 | 0.72 | 1.41 | 1.61 | 1.85 | 2.11 | 2.37 | 2.65 | 2.94 | 3.23 | 3.54 | 3.86 | 4.19 | 0.11 |

Cubic foot volume inside bark -Fir, Balsam- Sawtimber trees with topwood pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------|--------------|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch saw* |
| 11 | 4.69 | 8.54 | 12.08 | 15.37 | 18.76 | 23.18 | 28.20 | 32.64 | 37.38 | 42.44 | 4.67 | 2.06 | 1.10 |
| 12 | 5.58 | 10.12 | 14.20 | 17.96 | 21.78 | 26.72 | 32.29 | 37.21 | 42.43 | 47.98 | 5.21 | 2.27 | 1.25 |
| 13 | 6.55 | 11.84 | 16.51 | 20.75 | 25.03 | 30.52 | 36.68 | 42.09 | 47.82 | 53.89 | 5.79 | 2.49 | 1.42 |
| 14 | 7.60 | 13.70 | 18.99 | 23.75 | 28.52 | 34.59 | 41.37 | 47.30 | 53.56 | 60.18 | 6.42 | 2.72 | 1.62 |
| 15 | 8.73 | 15.69 | 21.64 | 26.96 | 32.25 | 38.92 | 46.36 | 52.84 | 59.65 | 66.83 | 7.08 | 2.97 | 1.84 |
| 16 | 9.94 | 17.82 | 24.48 | 30.38 | 36.21 | 43.53 | 51.64 | 58.69 | 66.09 | 73.85 | 7.79 | 3.22 | 2.10 |
| 17 | 11.23 | 20.09 | 27.49 | 34.01 | 40.41 | 48.40 | 57.22 | 64.87 | 72.87 | 81.25 | 8.53 | 3.48 | 2.39 |
| 18 | 12.59 | 22.50 | 30.68 | 37.84 | 44.85 | 53.54 | 63.10 | 71.37 | 80.00 | 89.02 | 9.32 | 3.74 | 2.72 |
| 19 | 14.04 | 25.04 | 34.05 | 41.89 | 49.53 | 58.95 | 69.28 | 78.20 | 87.48 | 97.16 | 10.16 | 4.01 | 3.09 |
| 20 | 15.56 | 27.72 | 37.60 | 46.15 | 54.45 | 64.62 | 75.75 | 85.35 | 95.30 | 105.67 | 11.03 | 4.28 | 3.52 |
| 21 | 17.16 | 30.54 | 41.32 | 50.62 | 59.60 | 70.57 | 82.52 | 92.82 | 103.47 | 114.55 | 11.94 | 4.54 | 4.01 |
| 22 | 18.85 | 33.50 | 45.22 | 55.30 | 65.00 | 76.78 | 89.60 | 100.61 | 111.99 | 123.80 | 12.90 | 4.80 | 4.57 |
| 23 | 20.61 | 36.59 | 49.30 | 60.19 | 70.63 | 83.26 | 96.97 | 108.73 | 120.86 | 133.42 | 13.90 | 5.05 | 5.20 |
| 24 | 22.45 | 39.82 | 53.56 | 65.29 | 76.50 | 90.01 | 104.64 | 117.18 | 130.08 | 143.42 | 14.94 | 5.28 | 5.92 |
| 25 | 24.37 | 43.19 | 58.00 | 70.60 | 82.61 | 97.03 | 112.61 | 125.94 | 139.65 | 153.79 | 16.03 | 5.48 | 6.74 |
| 26 | 26.37 | 46.70 | 62.62 | 76.12 | 88.95 | 104.32 | 120.87 | 135.03 | 149.56 | 164.53 | 17.15 | 5.66 | 7.67 |
| 27 | 28.45 | 50.34 | 67.41 | 81.85 | 95.54 | 111.88 | 129.44 | 144.45 | 159.82 | 175.64 | 18.32 | 5.79 | 8.74 |
| 28 | 30.61 | 54.13 | 72.38 | 87.79 | 102.36 | 119.70 | 138.31 | 154.19 | 170.43 | 187.13 | 19.53 | 5.88 | 9.95 |
| 29 | 32.84 | 58.05 | 77.54 | 93.94 | 109.43 | 127.80 | 147.47 | 164.25 | 181.39 | 198.99 | 20.78 | 5.90 | 11.33 |
| 30 | 35.16 | 62.11 | 82.87 | 100.31 | 116.73 | 136.16 | 156.94 | 174.64 | 192.70 | 211.22 | 22.07 | 5.84 | 12.90 |
| 31 | 37.56 | 66.31 | 88.38 | 106.88 | 124.28 | 144.79 | 166.70 | 185.36 | 204.36 | 223.83 | 23.41 | 5.69 | 14.68 |
| 32 | 40.04 | 70.64 | 94.07 | 113.67 | 132.06 | 153.70 | 176.77 | 196.40 | 216.37 | 236.81 | 24.79 | 5.61 | 16.72 |
| 33 | 42.59 | 75.12 | 99.93 | 120.67 | 140.08 | 162.87 | 187.13 | 207.76 | 228.73 | 250.16 | 26.21 | 5.97 | 19.03 |
| 34 | 45.23 | 79.73 | 105.98 | 127.87 | 148.34 | 172.31 | 197.80 | 219.45 | 241.44 | 263.88 | 27.67 | 6.34 | 21.67 |
| 35 | 47.94 | 84.48 | 112.21 | 135.29 | 156.84 | 182.03 | 208.76 | 231.46 | 254.49 | 277.98 | 29.17 | 6.72 | 24.67 |
| 36 | 50.74 | 89.37 | 118.61 | 142.92 | 165.58 | 192.01 | 220.03 | 243.81 | 267.90 | 292.46 | 30.72 | 7.10 | 28.09 |
| 37 | 53.61 | 94.40 | 125.20 | 150.77 | 174.57 | 202.26 | 231.59 | 256.47 | 281.66 | 307.30 | 32.31 | 7.51 | 31.98 |
| 38 | 56.57 | 99.57 | 131.96 | 158.82 | 183.79 | 212.78 | 243.46 | 269.46 | 295.77 | 322.52 | 33.94 | 7.92 | 36.41 |
| 39 | 59.60 | 104.87 | 138.90 | 167.09 | 193.25 | 223.58 | 255.62 | 282.78 | 310.22 | 338.12 | 35.61 | 8.34 | 41.45 |
| 40 | 62.72 | 110.32 | 146.03 | 175.56 | 202.95 | 234.64 | 268.09 | 296.42 | 325.03 | 354.09 | 37.33 | 8.77 | 47.20 |

Scribner Dec. C bdfv volumes -Fir, Balsam- Sawtimber with top pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB ⁺ | | | | | | | | | | upper stem | branch wood | |
|--------|--|-----|-----|-----|------|------|------|------|------|------|------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch bdfv* |
| 11 | 30 | 50 | 70 | 80 | 100 | 130 | 150 | 180 | 200 | 230 | 0 | 0 | 10 |
| 12 | 30 | 50 | 80 | 100 | 120 | 140 | 170 | 200 | 230 | 260 | 0 | 0 | 10 |
| 13 | 40 | 60 | 90 | 110 | 140 | 160 | 200 | 230 | 260 | 290 | 0 | 0 | 10 |
| 14 | 40 | 70 | 100 | 130 | 150 | 190 | 220 | 260 | 290 | 320 | 0 | 0 | 10 |
| 15 | 50 | 80 | 120 | 150 | 170 | 210 | 250 | 290 | 320 | 360 | 0 | 0 | 10 |
| 16 | 50 | 100 | 130 | 160 | 200 | 240 | 280 | 320 | 360 | 400 | 0 | 0 | 10 |
| 17 | 60 | 110 | 150 | 180 | 220 | 260 | 310 | 350 | 390 | 440 | 0 | 0 | 10 |
| 18 | 70 | 120 | 170 | 200 | 240 | 290 | 340 | 390 | 430 | 480 | 0 | 0 | 10 |
| 19 | 80 | 140 | 180 | 230 | 270 | 320 | 370 | 420 | 470 | 520 | 0 | 0 | 20 |
| 20 | 80 | 150 | 200 | 250 | 290 | 350 | 410 | 460 | 510 | 570 | 0 | 0 | 20 |
| 21 | 90 | 160 | 220 | 270 | 320 | 380 | 450 | 500 | 560 | 620 | 0 | 0 | 20 |
| 22 | 100 | 180 | 240 | 300 | 350 | 410 | 480 | 540 | 600 | 670 | 0 | 0 | 20 |
| 23 | 110 | 200 | 270 | 330 | 380 | 450 | 520 | 590 | 650 | 720 | 0 | 0 | 30 |
| 24 | 120 | 220 | 290 | 350 | 410 | 490 | 570 | 630 | 700 | 770 | 0 | 0 | 30 |
| 25 | 130 | 230 | 310 | 380 | 450 | 520 | 610 | 680 | 750 | 830 | 0 | 0 | 40 |
| 26 | 140 | 250 | 340 | 410 | 480 | 560 | 650 | 730 | 810 | 890 | 0 | 0 | 40 |
| 27 | 150 | 270 | 360 | 440 | 520 | 600 | 700 | 780 | 860 | 950 | 0 | 0 | 50 |
| 28 | 170 | 290 | 390 | 470 | 550 | 650 | 750 | 830 | 920 | 1010 | 0 | 0 | 50 |
| 29 | 180 | 310 | 420 | 510 | 590 | 690 | 800 | 890 | 980 | 1070 | 0 | 0 | 60 |
| 30 | 190 | 340 | 450 | 540 | 630 | 740 | 850 | 940 | 1040 | 1140 | 0 | 0 | 70 |
| 31 | 200 | 360 | 480 | 580 | 670 | 780 | 900 | 1000 | 1100 | 1210 | 0 | 0 | 80 |
| 32 | 220 | 380 | 510 | 610 | 710 | 830 | 950 | 1060 | 1170 | 1280 | 0 | 0 | 90 |
| 33 | 230 | 410 | 540 | 650 | 760 | 880 | 1010 | 1120 | 1240 | 1350 | 0 | 0 | 100 |
| 34 | 240 | 430 | 570 | 690 | 800 | 930 | 1070 | 1190 | 1300 | 1420 | 0 | 0 | 120 |
| 35 | 260 | 460 | 610 | 730 | 850 | 980 | 1130 | 1250 | 1370 | 1500 | 0 | 0 | 130 |
| 36 | 270 | 480 | 640 | 770 | 890 | 1040 | 1190 | 1320 | 1450 | 1580 | 0 | 0 | 150 |
| 37 | 290 | 510 | 680 | 810 | 940 | 1090 | 1250 | 1380 | 1520 | 1660 | 0 | 0 | 170 |
| 38 | 310 | 540 | 710 | 860 | 990 | 1150 | 1310 | 1460 | 1600 | 1740 | 0 | 0 | 200 |
| 39 | 320 | 570 | 750 | 900 | 1040 | 1210 | 1380 | 1530 | 1680 | 1830 | 0 | 0 | 220 |
| 40 | 340 | 600 | 790 | 950 | 1100 | 1270 | 1450 | 1600 | 1760 | 1910 | 0 | 0 | 250 |

Pine, jack

Cubic foot volume inside bark - Pine, Jack - Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.88 | 1.42 | 2.26 | 3.20 | 4.31 | 5.62 | 7.17 | 8.97 | 11.05 | 13.44 | 16.16 | 19.24 | 0.00 |
| 6 | 1.27 | 2.03 | 3.03 | 4.13 | 5.42 | 6.94 | 8.70 | 10.75 | 13.10 | 15.78 | 18.82 | 22.24 | 0.04 |
| 7 | 1.74 | 2.76 | 3.94 | 5.22 | 6.71 | 8.44 | 10.45 | 12.76 | 15.39 | 18.39 | 21.76 | 25.55 | 0.30 |
| 8 | 2.27 | 3.59 | 4.98 | 6.47 | 8.17 | 10.14 | 12.41 | 15.00 | 17.94 | 21.26 | 24.99 | 29.15 | 0.55 |
| 9 | 2.87 | 4.54 | 6.16 | 7.87 | 9.81 | 12.03 | 14.57 | 17.46 | 20.73 | 24.40 | 28.50 | 33.05 | 0.80 |
| 10 | 3.55 | 5.60 | 7.48 | 9.42 | 11.62 | 14.12 | 16.95 | 20.16 | 23.77 | 27.80 | 32.28 | 37.25 | 1.05 |
| 11 | 4.30 | 6.77 | 8.93 | 11.14 | 13.60 | 16.39 | 19.54 | 23.08 | 27.05 | 31.46 | 36.35 | 41.74 | 1.30 |
| 12 | 5.12 | 8.06 | 10.52 | 13.00 | 15.76 | 18.86 | 22.34 | 26.24 | 30.58 | 35.39 | 40.70 | 46.54 | 1.55 |
| 13 | 6.01 | 9.46 | 12.25 | 15.03 | 18.09 | 21.52 | 25.35 | 29.62 | 34.35 | 39.58 | 45.33 | 51.63 | 1.80 |
| 14 | 6.97 | 10.97 | 14.11 | 17.21 | 20.60 | 24.37 | 28.57 | 33.22 | 38.37 | 44.03 | 50.24 | 57.02 | 2.05 |
| 15 | 8.00 | 12.59 | 16.10 | 19.54 | 23.28 | 27.42 | 32.00 | 37.06 | 42.63 | 48.75 | 55.43 | 62.71 | 2.30 |
| 16 | 9.11 | 14.33 | 18.24 | 22.04 | 26.14 | 30.66 | 35.64 | 41.13 | 47.14 | 53.73 | 60.90 | 68.70 | 2.55 |
| 17 | 10.29 | 16.18 | 20.51 | 24.68 | 29.17 | 34.09 | 39.49 | 45.42 | 51.90 | 58.97 | 66.66 | 74.99 | 2.80 |
| 18 | 11.54 | 18.14 | 22.92 | 27.49 | 32.38 | 37.72 | 43.56 | 49.94 | 56.90 | 64.48 | 72.69 | 81.57 | 3.05 |
| 19 | 12.86 | 20.22 | 25.46 | 30.45 | 35.76 | 41.53 | 47.83 | 54.69 | 62.15 | 70.25 | 79.01 | 88.46 | 3.31 |
| 20 | 14.25 | 22.41 | 28.15 | 33.57 | 39.32 | 45.55 | 52.31 | 59.67 | 67.65 | 76.29 | 85.61 | 95.64 | 3.56 |
| 21 | 15.72 | 24.72 | 30.97 | 36.84 | 43.05 | 49.75 | 57.01 | 64.88 | 73.39 | 82.59 | 92.49 | 103.13 | 3.81 |
| 22 | 17.26 | 27.13 | 33.92 | 40.27 | 46.96 | 54.15 | 61.92 | 70.32 | 79.38 | 89.15 | 99.65 | 110.91 | 4.06 |
| 23 | 18.87 | 29.67 | 37.02 | 43.86 | 51.04 | 58.74 | 67.04 | 75.98 | 85.62 | 95.98 | 107.09 | 118.99 | 4.31 |
| 24 | 20.55 | 32.31 | 40.25 | 47.61 | 55.30 | 63.53 | 72.37 | 81.88 | 92.10 | 103.07 | 114.82 | 127.37 | 4.56 |
| 25 | 22.30 | 35.07 | 43.62 | 51.51 | 59.73 | 68.51 | 77.91 | 88.01 | 98.83 | 110.43 | 122.83 | 136.05 | 4.81 |
| 26 | 24.13 | 37.94 | 47.12 | 55.57 | 64.34 | 73.68 | 83.66 | 94.36 | 105.81 | 118.05 | 131.12 | 145.04 | 5.06 |
| 27 | 26.03 | 40.93 | 50.77 | 59.79 | 69.13 | 79.05 | 89.63 | 100.95 | 113.04 | 125.94 | 139.69 | 154.32 | 5.31 |
| 28 | 28.00 | 44.03 | 54.55 | 64.16 | 74.09 | 84.61 | 95.81 | 107.76 | 120.51 | 134.09 | 148.55 | 163.90 | 5.56 |
| 29 | 30.04 | 47.25 | 58.47 | 68.69 | 79.23 | 90.36 | 102.20 | 114.81 | 128.23 | 142.51 | 157.69 | 173.78 | 5.81 |
| 30 | 32.15 | 50.57 | 62.52 | 73.38 | 84.54 | 96.31 | 108.80 | 122.08 | 136.20 | 151.19 | 167.11 | 183.97 | 6.06 |
| 31 | 34.34 | 54.02 | 66.72 | 78.23 | 90.03 | 102.46 | 115.62 | 129.59 | 144.41 | 160.14 | 176.81 | 194.45 | 6.32 |
| 32 | 36.59 | 57.58 | 71.05 | 83.23 | 95.70 | 108.80 | 122.64 | 137.32 | 152.88 | 169.36 | 186.80 | 205.23 | 6.57 |
| 33 | 38.92 | 61.25 | 75.52 | 88.39 | 101.54 | 115.33 | 129.88 | 145.29 | 161.59 | 178.84 | 197.07 | 216.32 | 6.82 |
| 34 | 41.33 | 65.03 | 80.13 | 93.71 | 107.56 | 122.06 | 137.34 | 153.48 | 170.55 | 188.58 | 207.62 | 227.70 | 7.07 |
| 35 | 43.80 | 68.93 | 84.88 | 99.19 | 113.76 | 128.98 | 145.00 | 161.91 | 179.76 | 198.60 | 218.46 | 239.39 | 7.32 |
| 36 | 46.35 | 72.95 | 89.76 | 104.82 | 120.13 | 136.10 | 152.88 | 170.56 | 189.21 | 208.87 | 229.58 | 251.38 | 7.57 |
| 37 | 48.97 | 77.08 | 94.79 | 110.62 | 126.68 | 143.41 | 160.97 | 179.45 | 198.92 | 219.42 | 240.99 | 263.67 | 7.82 |
| 38 | 51.66 | 81.32 | 99.95 | 116.57 | 133.40 | 150.91 | 169.27 | 188.57 | 208.87 | 230.23 | 252.68 | 276.26 | 8.07 |
| 39 | 54.42 | 85.68 | 105.25 | 122.68 | 140.30 | 158.61 | 177.79 | 197.92 | 219.07 | 241.30 | 264.65 | 289.15 | 8.32 |
| 40 | 57.26 | 90.15 | 110.69 | 128.94 | 147.38 | 166.51 | 186.51 | 207.50 | 229.52 | 252.64 | 276.90 | 302.34 | 8.57 |

Cord volume -Pine, Jack- Trees with pulpwod only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|------|------|------|------|------|------|------|------|------|------|------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.09 | 0.11 | 0.14 | 0.17 | 0.20 | 0.24 | 0.00 |
| 6 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.09 | 0.11 | 0.14 | 0.17 | 0.20 | 0.24 | 0.28 | 0.00 |
| 7 | 0.02 | 0.03 | 0.05 | 0.07 | 0.08 | 0.11 | 0.13 | 0.16 | 0.19 | 0.23 | 0.28 | 0.32 | 0.00 |
| 8 | 0.03 | 0.05 | 0.06 | 0.08 | 0.10 | 0.13 | 0.16 | 0.19 | 0.23 | 0.27 | 0.32 | 0.37 | 0.01 |
| 9 | 0.04 | 0.06 | 0.08 | 0.10 | 0.12 | 0.15 | 0.18 | 0.22 | 0.26 | 0.31 | 0.36 | 0.42 | 0.01 |
| 10 | 0.04 | 0.07 | 0.09 | 0.12 | 0.15 | 0.18 | 0.21 | 0.26 | 0.30 | 0.35 | 0.41 | 0.47 | 0.01 |
| 11 | 0.05 | 0.09 | 0.11 | 0.14 | 0.17 | 0.21 | 0.25 | 0.29 | 0.34 | 0.40 | 0.46 | 0.53 | 0.02 |
| 12 | 0.06 | 0.10 | 0.13 | 0.16 | 0.20 | 0.24 | 0.28 | 0.33 | 0.39 | 0.45 | 0.52 | 0.59 | 0.02 |
| 13 | 0.08 | 0.12 | 0.16 | 0.19 | 0.23 | 0.27 | 0.32 | 0.37 | 0.43 | 0.50 | 0.57 | 0.65 | 0.02 |
| 14 | 0.09 | 0.14 | 0.18 | 0.22 | 0.26 | 0.31 | 0.36 | 0.42 | 0.49 | 0.56 | 0.64 | 0.72 | 0.03 |
| 15 | 0.10 | 0.16 | 0.20 | 0.25 | 0.29 | 0.35 | 0.41 | 0.47 | 0.54 | 0.62 | 0.70 | 0.79 | 0.03 |
| 16 | 0.12 | 0.18 | 0.23 | 0.28 | 0.33 | 0.39 | 0.45 | 0.52 | 0.60 | 0.68 | 0.77 | 0.87 | 0.03 |
| 17 | 0.13 | 0.20 | 0.26 | 0.31 | 0.37 | 0.43 | 0.50 | 0.57 | 0.66 | 0.75 | 0.84 | 0.95 | 0.04 |
| 18 | 0.15 | 0.23 | 0.29 | 0.35 | 0.41 | 0.48 | 0.55 | 0.63 | 0.72 | 0.82 | 0.92 | 1.03 | 0.04 |
| 19 | 0.16 | 0.26 | 0.32 | 0.39 | 0.45 | 0.53 | 0.61 | 0.69 | 0.79 | 0.89 | 1.00 | 1.12 | 0.04 |
| 20 | 0.18 | 0.28 | 0.36 | 0.42 | 0.50 | 0.58 | 0.66 | 0.76 | 0.86 | 0.97 | 1.08 | 1.21 | 0.05 |
| 21 | 0.20 | 0.31 | 0.39 | 0.47 | 0.55 | 0.63 | 0.72 | 0.82 | 0.93 | 1.05 | 1.17 | 1.31 | 0.05 |
| 22 | 0.22 | 0.34 | 0.43 | 0.51 | 0.59 | 0.69 | 0.78 | 0.89 | 1.00 | 1.13 | 1.26 | 1.40 | 0.05 |
| 23 | 0.24 | 0.38 | 0.47 | 0.56 | 0.65 | 0.74 | 0.85 | 0.96 | 1.08 | 1.22 | 1.36 | 1.51 | 0.05 |
| 24 | 0.26 | 0.41 | 0.51 | 0.60 | 0.70 | 0.80 | 0.92 | 1.04 | 1.17 | 1.30 | 1.45 | 1.61 | 0.06 |
| 25 | 0.28 | 0.44 | 0.55 | 0.65 | 0.76 | 0.87 | 0.99 | 1.11 | 1.25 | 1.40 | 1.55 | 1.72 | 0.06 |
| 26 | 0.31 | 0.48 | 0.60 | 0.70 | 0.81 | 0.93 | 1.06 | 1.19 | 1.34 | 1.49 | 1.66 | 1.84 | 0.06 |
| 27 | 0.33 | 0.52 | 0.64 | 0.76 | 0.88 | 1.00 | 1.13 | 1.28 | 1.43 | 1.59 | 1.77 | 1.95 | 0.07 |
| 28 | 0.35 | 0.56 | 0.69 | 0.81 | 0.94 | 1.07 | 1.21 | 1.36 | 1.53 | 1.70 | 1.88 | 2.07 | 0.07 |
| 29 | 0.38 | 0.60 | 0.74 | 0.87 | 1.00 | 1.14 | 1.29 | 1.45 | 1.62 | 1.80 | 2.00 | 2.20 | 0.07 |
| 30 | 0.41 | 0.64 | 0.79 | 0.93 | 1.07 | 1.22 | 1.38 | 1.55 | 1.72 | 1.91 | 2.12 | 2.33 | 0.08 |
| 31 | 0.43 | 0.68 | 0.84 | 0.99 | 1.14 | 1.30 | 1.46 | 1.64 | 1.83 | 2.03 | 2.24 | 2.46 | 0.08 |
| 32 | 0.46 | 0.73 | 0.90 | 1.05 | 1.21 | 1.38 | 1.55 | 1.74 | 1.94 | 2.14 | 2.36 | 2.60 | 0.08 |
| 33 | 0.49 | 0.78 | 0.96 | 1.12 | 1.29 | 1.46 | 1.64 | 1.84 | 2.05 | 2.26 | 2.49 | 2.74 | 0.09 |
| 34 | 0.52 | 0.82 | 1.01 | 1.19 | 1.36 | 1.55 | 1.74 | 1.94 | 2.16 | 2.39 | 2.63 | 2.88 | 0.09 |
| 35 | 0.55 | 0.87 | 1.07 | 1.26 | 1.44 | 1.63 | 1.84 | 2.05 | 2.28 | 2.51 | 2.77 | 3.03 | 0.09 |
| 36 | 0.59 | 0.92 | 1.14 | 1.33 | 1.52 | 1.72 | 1.94 | 2.16 | 2.40 | 2.64 | 2.91 | 3.18 | 0.10 |
| 37 | 0.62 | 0.98 | 1.20 | 1.40 | 1.60 | 1.82 | 2.04 | 2.27 | 2.52 | 2.78 | 3.05 | 3.34 | 0.10 |
| 38 | 0.65 | 1.03 | 1.27 | 1.48 | 1.69 | 1.91 | 2.14 | 2.39 | 2.64 | 2.91 | 3.20 | 3.50 | 0.10 |
| 39 | 0.69 | 1.08 | 1.33 | 1.55 | 1.78 | 2.01 | 2.25 | 2.51 | 2.77 | 3.05 | 3.35 | 3.66 | 0.11 |
| 40 | 0.72 | 1.14 | 1.40 | 1.63 | 1.87 | 2.11 | 2.36 | 2.63 | 2.91 | 3.20 | 3.51 | 3.83 | 0.11 |

Cubic foot volume inside bark - Pine, Jack - Sawtimber trees with topwood pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------|--------------|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch saw* |
| 11 | 4.44 | 8.08 | 11.66 | 15.09 | 18.72 | 23.62 | 29.31 | 34.41 | 39.93 | 45.89 | 4.76 | 2.07 | 1.10 |
| 12 | 5.29 | 9.55 | 13.66 | 17.54 | 21.60 | 27.02 | 33.28 | 38.87 | 44.89 | 51.37 | 5.28 | 2.28 | 1.25 |
| 13 | 6.21 | 11.16 | 15.82 | 20.17 | 24.69 | 30.67 | 37.53 | 43.62 | 50.16 | 57.19 | 5.84 | 2.51 | 1.42 |
| 14 | 7.20 | 12.89 | 18.14 | 23.00 | 28.00 | 34.56 | 42.04 | 48.67 | 55.76 | 63.35 | 6.44 | 2.74 | 1.62 |
| 15 | 8.27 | 14.75 | 20.63 | 26.02 | 31.53 | 38.69 | 46.83 | 54.01 | 61.67 | 69.84 | 7.08 | 2.99 | 1.84 |
| 16 | 9.41 | 16.73 | 23.28 | 29.24 | 35.27 | 43.07 | 51.89 | 59.65 | 67.90 | 76.68 | 7.75 | 3.24 | 2.10 |
| 17 | 10.62 | 18.84 | 26.10 | 32.64 | 39.23 | 47.69 | 57.22 | 65.58 | 74.44 | 83.85 | 8.46 | 3.50 | 2.39 |
| 18 | 11.91 | 21.08 | 29.07 | 36.24 | 43.41 | 52.56 | 62.82 | 71.81 | 81.31 | 91.36 | 9.21 | 3.77 | 2.72 |
| 19 | 13.28 | 23.44 | 32.22 | 40.03 | 47.81 | 57.67 | 68.69 | 78.33 | 88.49 | 99.21 | 10.00 | 4.04 | 3.09 |
| 20 | 14.72 | 25.93 | 35.52 | 44.01 | 52.43 | 63.03 | 74.84 | 85.15 | 95.99 | 107.41 | 10.83 | 4.32 | 3.52 |
| 21 | 16.23 | 28.55 | 38.99 | 48.18 | 57.27 | 68.64 | 81.26 | 92.27 | 103.80 | 115.94 | 11.70 | 4.58 | 4.01 |
| 22 | 17.82 | 31.29 | 42.62 | 52.55 | 62.32 | 74.49 | 87.96 | 99.68 | 111.94 | 124.81 | 12.60 | 4.85 | 4.57 |
| 23 | 19.49 | 34.17 | 46.41 | 57.11 | 67.59 | 80.59 | 94.93 | 107.39 | 120.39 | 134.02 | 13.54 | 5.10 | 5.20 |
| 24 | 21.23 | 37.16 | 50.37 | 61.87 | 73.08 | 86.93 | 102.17 | 115.39 | 129.17 | 143.57 | 14.52 | 5.33 | 5.92 |
| 25 | 23.04 | 40.29 | 54.50 | 66.81 | 78.79 | 93.52 | 109.68 | 123.69 | 138.26 | 153.47 | 15.54 | 5.54 | 6.74 |
| 26 | 24.93 | 43.54 | 58.79 | 71.95 | 84.72 | 100.35 | 117.47 | 132.29 | 147.67 | 163.70 | 16.60 | 5.72 | 7.67 |
| 27 | 26.89 | 46.92 | 63.24 | 77.29 | 90.87 | 107.44 | 125.53 | 141.18 | 157.40 | 174.27 | 17.69 | 5.86 | 8.74 |
| 28 | 28.93 | 50.43 | 67.85 | 82.81 | 97.24 | 114.76 | 133.87 | 150.37 | 167.45 | 185.19 | 18.83 | 5.95 | 9.95 |
| 29 | 31.05 | 54.07 | 72.63 | 88.53 | 103.83 | 122.34 | 142.48 | 159.86 | 177.81 | 196.44 | 20.00 | 5.98 | 11.33 |
| 30 | 33.24 | 57.83 | 77.58 | 94.45 | 110.63 | 130.16 | 151.36 | 169.64 | 188.50 | 208.04 | 21.21 | 5.92 | 12.90 |
| 31 | 35.50 | 61.72 | 82.69 | 100.56 | 117.66 | 138.23 | 160.52 | 179.72 | 199.51 | 219.98 | 22.46 | 5.78 | 14.68 |
| 32 | 37.84 | 65.74 | 87.96 | 106.86 | 124.90 | 146.54 | 169.95 | 190.10 | 210.83 | 232.26 | 23.75 | 5.71 | 16.72 |
| 33 | 40.25 | 69.88 | 93.40 | 113.35 | 132.37 | 155.10 | 179.66 | 200.78 | 222.48 | 244.88 | 25.07 | 6.07 | 19.03 |
| 34 | 42.74 | 74.15 | 99.00 | 120.04 | 140.05 | 163.91 | 189.64 | 211.75 | 234.44 | 257.84 | 26.44 | 6.45 | 21.67 |
| 35 | 45.31 | 78.55 | 104.77 | 126.92 | 147.96 | 172.97 | 199.89 | 223.02 | 246.73 | 271.15 | 27.84 | 6.83 | 24.67 |
| 36 | 47.95 | 83.08 | 110.70 | 134.00 | 156.08 | 182.27 | 210.42 | 234.59 | 259.33 | 284.79 | 29.29 | 7.23 | 28.09 |
| 37 | 50.66 | 87.74 | 116.80 | 141.27 | 164.42 | 191.82 | 221.23 | 246.45 | 272.26 | 298.78 | 30.77 | 7.63 | 31.98 |
| 38 | 53.45 | 92.52 | 123.06 | 148.73 | 172.99 | 201.62 | 232.31 | 258.62 | 285.50 | 313.11 | 32.29 | 8.05 | 36.41 |
| 39 | 56.32 | 97.43 | 129.49 | 156.39 | 181.77 | 211.67 | 243.66 | 271.08 | 299.07 | 327.79 | 33.84 | 8.48 | 41.45 |
| 40 | 59.26 | 102.47 | 136.08 | 164.25 | 190.77 | 221.96 | 255.29 | 283.84 | 312.96 | 342.80 | 35.44 | 8.92 | 47.20 |

Scribner Dec. C bdfv volumes -Pine, Jack- Sawtimber with top pulp and merch branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|--|-----|-----|-----|------|------|------|------|------|------|------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch bdfv* |
| 11 | 20 | 40 | 60 | 80 | 100 | 130 | 160 | 190 | 220 | 250 | 0 | 0 | 10 |
| 12 | 30 | 50 | 70 | 90 | 120 | 150 | 180 | 210 | 240 | 280 | 0 | 0 | 10 |
| 13 | 30 | 60 | 90 | 110 | 130 | 170 | 200 | 240 | 270 | 310 | 0 | 0 | 10 |
| 14 | 40 | 70 | 100 | 120 | 150 | 190 | 230 | 260 | 300 | 340 | 0 | 0 | 10 |
| 15 | 40 | 80 | 110 | 140 | 170 | 210 | 250 | 290 | 330 | 380 | 0 | 0 | 10 |
| 16 | 50 | 90 | 130 | 160 | 190 | 230 | 280 | 320 | 370 | 410 | 0 | 0 | 10 |
| 17 | 60 | 100 | 140 | 180 | 210 | 260 | 310 | 350 | 400 | 450 | 0 | 0 | 10 |
| 18 | 60 | 110 | 160 | 200 | 230 | 280 | 340 | 390 | 440 | 490 | 0 | 0 | 10 |
| 19 | 70 | 130 | 170 | 220 | 260 | 310 | 370 | 420 | 480 | 540 | 0 | 0 | 20 |
| 20 | 80 | 140 | 190 | 240 | 280 | 340 | 400 | 460 | 520 | 580 | 0 | 0 | 20 |
| 21 | 90 | 150 | 210 | 260 | 310 | 370 | 440 | 500 | 560 | 630 | 0 | 0 | 20 |
| 22 | 100 | 170 | 230 | 280 | 340 | 400 | 470 | 540 | 600 | 670 | 0 | 0 | 20 |
| 23 | 110 | 180 | 250 | 310 | 370 | 440 | 510 | 580 | 650 | 720 | 0 | 0 | 30 |
| 24 | 110 | 200 | 270 | 330 | 390 | 470 | 550 | 620 | 700 | 780 | 0 | 0 | 30 |
| 25 | 120 | 220 | 290 | 360 | 430 | 510 | 590 | 670 | 750 | 830 | 0 | 0 | 40 |
| 26 | 130 | 240 | 320 | 390 | 460 | 540 | 630 | 710 | 800 | 880 | 0 | 0 | 40 |
| 27 | 150 | 250 | 340 | 420 | 490 | 580 | 680 | 760 | 850 | 940 | 0 | 0 | 50 |
| 28 | 160 | 270 | 370 | 450 | 530 | 620 | 720 | 810 | 900 | 1000 | 0 | 0 | 50 |
| 29 | 170 | 290 | 390 | 480 | 560 | 660 | 770 | 860 | 960 | 1060 | 0 | 0 | 60 |
| 30 | 180 | 310 | 420 | 510 | 600 | 700 | 820 | 920 | 1020 | 1120 | 0 | 0 | 70 |
| 31 | 190 | 330 | 450 | 540 | 640 | 750 | 870 | 970 | 1080 | 1190 | 0 | 0 | 80 |
| 32 | 200 | 350 | 470 | 580 | 670 | 790 | 920 | 1030 | 1140 | 1250 | 0 | 0 | 90 |
| 33 | 220 | 380 | 500 | 610 | 710 | 840 | 970 | 1080 | 1200 | 1320 | 0 | 0 | 100 |
| 34 | 230 | 400 | 530 | 650 | 760 | 890 | 1020 | 1140 | 1270 | 1390 | 0 | 0 | 120 |
| 35 | 240 | 420 | 570 | 690 | 800 | 930 | 1080 | 1200 | 1330 | 1460 | 0 | 0 | 130 |
| 36 | 260 | 450 | 600 | 720 | 840 | 980 | 1140 | 1270 | 1400 | 1540 | 0 | 0 | 150 |
| 37 | 270 | 470 | 630 | 760 | 890 | 1040 | 1190 | 1330 | 1470 | 1610 | 0 | 0 | 170 |
| 38 | 290 | 500 | 660 | 800 | 930 | 1090 | 1250 | 1400 | 1540 | 1690 | 0 | 0 | 200 |
| 39 | 300 | 530 | 700 | 840 | 980 | 1140 | 1320 | 1460 | 1610 | 1770 | 0 | 0 | 220 |
| 40 | 320 | 550 | 730 | 890 | 1030 | 1200 | 1380 | 1530 | 1690 | 1850 | 0 | 0 | 250 |

Pine, red

Cubic foot volume inside bark - Pine, Red - Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.88 | 1.40 | 2.25 | 3.19 | 4.26 | 5.49 | 6.91 | 8.52 | 10.36 | 12.43 | 14.77 | 17.38 | 0.00 |
| 6 | 1.27 | 2.01 | 3.05 | 4.17 | 5.44 | 6.88 | 8.53 | 10.39 | 12.51 | 14.88 | 17.54 | 20.50 | 0.04 |
| 7 | 1.74 | 2.74 | 3.99 | 5.32 | 6.80 | 8.48 | 10.38 | 12.53 | 14.94 | 17.64 | 20.64 | 23.96 | 0.30 |
| 8 | 2.27 | 3.58 | 5.07 | 6.63 | 8.36 | 10.30 | 12.48 | 14.93 | 17.66 | 20.70 | 24.06 | 27.77 | 0.55 |
| 9 | 2.87 | 4.54 | 6.29 | 8.11 | 10.11 | 12.33 | 14.81 | 17.58 | 20.66 | 24.06 | 27.81 | 31.93 | 0.80 |
| 10 | 3.55 | 5.61 | 7.66 | 9.76 | 12.05 | 14.57 | 17.38 | 20.50 | 23.94 | 27.73 | 31.89 | 36.44 | 1.05 |
| 11 | 4.30 | 6.79 | 9.17 | 11.58 | 14.18 | 17.03 | 20.19 | 23.67 | 27.50 | 31.70 | 36.29 | 41.30 | 1.30 |
| 12 | 5.12 | 8.09 | 10.83 | 13.57 | 16.50 | 19.71 | 23.23 | 27.10 | 31.34 | 35.97 | 41.02 | 46.50 | 1.55 |
| 13 | 6.01 | 9.51 | 12.62 | 15.72 | 19.01 | 22.60 | 26.51 | 30.79 | 35.47 | 40.55 | 46.07 | 52.05 | 1.80 |
| 14 | 6.97 | 11.04 | 14.56 | 18.04 | 21.72 | 25.70 | 30.03 | 34.74 | 39.87 | 45.43 | 51.45 | 57.94 | 2.05 |
| 15 | 8.00 | 12.68 | 16.65 | 20.53 | 24.62 | 29.02 | 33.78 | 38.95 | 44.56 | 50.62 | 57.15 | 64.19 | 2.30 |
| 16 | 9.11 | 14.44 | 18.87 | 23.19 | 27.71 | 32.55 | 37.77 | 43.42 | 49.53 | 56.10 | 63.18 | 70.78 | 2.55 |
| 17 | 10.29 | 16.32 | 21.24 | 26.02 | 30.99 | 36.30 | 42.00 | 48.15 | 54.78 | 61.89 | 69.53 | 77.72 | 2.80 |
| 18 | 11.54 | 18.31 | 23.76 | 29.01 | 34.46 | 40.26 | 46.47 | 53.14 | 60.31 | 67.99 | 76.21 | 85.00 | 3.05 |
| 19 | 12.86 | 20.42 | 26.42 | 32.18 | 38.13 | 44.44 | 51.17 | 58.39 | 66.12 | 74.39 | 83.22 | 92.64 | 3.31 |
| 20 | 14.25 | 22.64 | 29.22 | 35.51 | 41.99 | 48.83 | 56.12 | 63.90 | 72.22 | 81.09 | 90.55 | 100.62 | 3.56 |
| 21 | 15.72 | 24.98 | 32.16 | 39.02 | 46.04 | 53.44 | 61.30 | 69.67 | 78.60 | 88.10 | 98.21 | 108.95 | 3.81 |
| 22 | 17.26 | 27.44 | 35.26 | 42.69 | 50.28 | 58.26 | 66.72 | 75.70 | 85.26 | 95.41 | 106.20 | 117.63 | 4.06 |
| 23 | 18.87 | 30.01 | 38.49 | 46.53 | 54.72 | 63.30 | 72.37 | 81.99 | 92.20 | 103.03 | 114.51 | 126.66 | 4.31 |
| 24 | 20.55 | 32.69 | 41.87 | 50.54 | 59.35 | 68.56 | 78.27 | 88.54 | 99.43 | 110.95 | 123.14 | 136.03 | 4.56 |
| 25 | 22.30 | 35.50 | 45.39 | 54.72 | 64.18 | 74.03 | 84.40 | 95.35 | 106.94 | 119.18 | 132.11 | 145.76 | 4.81 |
| 26 | 24.13 | 38.42 | 49.06 | 59.07 | 69.19 | 79.72 | 90.77 | 102.43 | 114.73 | 127.71 | 141.40 | 155.83 | 5.06 |
| 27 | 26.03 | 41.45 | 52.87 | 63.59 | 74.40 | 85.62 | 97.38 | 109.76 | 122.80 | 136.55 | 151.02 | 166.25 | 5.31 |
| 28 | 28.00 | 44.60 | 56.83 | 68.28 | 79.80 | 91.74 | 104.23 | 117.35 | 131.16 | 145.69 | 160.97 | 177.03 | 5.56 |
| 29 | 30.04 | 47.87 | 60.93 | 73.14 | 85.40 | 98.07 | 111.32 | 125.21 | 139.80 | 155.14 | 171.24 | 188.15 | 5.81 |
| 30 | 32.15 | 51.25 | 65.18 | 78.17 | 91.19 | 104.63 | 118.64 | 133.33 | 148.73 | 164.89 | 181.85 | 199.62 | 6.06 |
| 31 | 34.34 | 54.75 | 69.57 | 83.37 | 97.17 | 111.40 | 126.21 | 141.71 | 157.94 | 174.95 | 192.78 | 211.44 | 6.32 |
| 32 | 36.59 | 58.37 | 74.11 | 88.74 | 103.35 | 118.38 | 134.01 | 150.35 | 167.43 | 185.32 | 204.03 | 223.61 | 6.57 |
| 33 | 38.92 | 62.10 | 78.79 | 94.28 | 109.72 | 125.58 | 142.06 | 159.25 | 177.21 | 195.99 | 215.62 | 236.13 | 6.82 |
| 34 | 41.33 | 65.95 | 83.62 | 99.99 | 116.28 | 133.00 | 150.34 | 168.41 | 187.27 | 206.96 | 227.53 | 249.01 | 7.07 |
| 35 | 43.80 | 69.91 | 88.59 | 105.86 | 123.04 | 140.64 | 158.87 | 177.84 | 197.61 | 218.25 | 239.77 | 262.23 | 7.32 |
| 36 | 46.35 | 74.00 | 93.71 | 111.91 | 129.99 | 148.49 | 167.63 | 187.52 | 208.24 | 229.84 | 252.34 | 275.80 | 7.57 |
| 37 | 48.97 | 78.19 | 98.97 | 118.13 | 137.14 | 156.56 | 176.63 | 197.47 | 219.15 | 241.73 | 265.24 | 289.72 | 7.82 |
| 38 | 51.66 | 82.51 | 104.38 | 124.52 | 144.48 | 164.85 | 185.87 | 207.68 | 230.35 | 253.93 | 278.47 | 303.99 | 8.07 |
| 39 | 54.42 | 86.94 | 109.93 | 131.08 | 152.01 | 173.35 | 195.35 | 218.16 | 241.83 | 266.44 | 292.03 | 318.62 | 8.32 |
| 40 | 57.26 | 91.49 | 115.63 | 137.82 | 159.74 | 182.07 | 205.08 | 228.89 | 253.60 | 279.26 | 305.91 | 333.59 | 8.57 |

Cord volume -Pine, Red- Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|------|------|------|------|------|------|------|------|------|------|------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.09 | 0.11 | 0.13 | 0.16 | 0.19 | 0.22 | 0.00 |
| 6 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.09 | 0.11 | 0.13 | 0.16 | 0.19 | 0.22 | 0.26 | 0.00 |
| 7 | 0.02 | 0.03 | 0.05 | 0.07 | 0.09 | 0.11 | 0.13 | 0.16 | 0.19 | 0.22 | 0.26 | 0.30 | 0.00 |
| 8 | 0.03 | 0.05 | 0.06 | 0.08 | 0.11 | 0.13 | 0.16 | 0.19 | 0.22 | 0.26 | 0.30 | 0.35 | 0.01 |
| 9 | 0.04 | 0.06 | 0.08 | 0.10 | 0.13 | 0.16 | 0.19 | 0.22 | 0.26 | 0.30 | 0.35 | 0.40 | 0.01 |
| 10 | 0.04 | 0.07 | 0.10 | 0.12 | 0.15 | 0.18 | 0.22 | 0.26 | 0.30 | 0.35 | 0.40 | 0.46 | 0.01 |
| 11 | 0.05 | 0.09 | 0.12 | 0.15 | 0.18 | 0.22 | 0.26 | 0.30 | 0.35 | 0.40 | 0.46 | 0.52 | 0.02 |
| 12 | 0.06 | 0.10 | 0.14 | 0.17 | 0.21 | 0.25 | 0.29 | 0.34 | 0.40 | 0.46 | 0.52 | 0.59 | 0.02 |
| 13 | 0.08 | 0.12 | 0.16 | 0.20 | 0.24 | 0.29 | 0.34 | 0.39 | 0.45 | 0.51 | 0.58 | 0.66 | 0.02 |
| 14 | 0.09 | 0.14 | 0.18 | 0.23 | 0.27 | 0.33 | 0.38 | 0.44 | 0.50 | 0.58 | 0.65 | 0.73 | 0.03 |
| 15 | 0.10 | 0.16 | 0.21 | 0.26 | 0.31 | 0.37 | 0.43 | 0.49 | 0.56 | 0.64 | 0.72 | 0.81 | 0.03 |
| 16 | 0.12 | 0.18 | 0.24 | 0.29 | 0.35 | 0.41 | 0.48 | 0.55 | 0.63 | 0.71 | 0.80 | 0.90 | 0.03 |
| 17 | 0.13 | 0.21 | 0.27 | 0.33 | 0.39 | 0.46 | 0.53 | 0.61 | 0.69 | 0.78 | 0.88 | 0.98 | 0.04 |
| 18 | 0.15 | 0.23 | 0.30 | 0.37 | 0.44 | 0.51 | 0.59 | 0.67 | 0.76 | 0.86 | 0.96 | 1.08 | 0.04 |
| 19 | 0.16 | 0.26 | 0.33 | 0.41 | 0.48 | 0.56 | 0.65 | 0.74 | 0.84 | 0.94 | 1.05 | 1.17 | 0.04 |
| 20 | 0.18 | 0.29 | 0.37 | 0.45 | 0.53 | 0.62 | 0.71 | 0.81 | 0.91 | 1.03 | 1.15 | 1.27 | 0.05 |
| 21 | 0.20 | 0.32 | 0.41 | 0.49 | 0.58 | 0.68 | 0.78 | 0.88 | 1.00 | 1.12 | 1.24 | 1.38 | 0.05 |
| 22 | 0.22 | 0.35 | 0.45 | 0.54 | 0.64 | 0.74 | 0.84 | 0.96 | 1.08 | 1.21 | 1.34 | 1.49 | 0.05 |
| 23 | 0.24 | 0.38 | 0.49 | 0.59 | 0.69 | 0.80 | 0.92 | 1.04 | 1.17 | 1.30 | 1.45 | 1.60 | 0.05 |
| 24 | 0.26 | 0.41 | 0.53 | 0.64 | 0.75 | 0.87 | 0.99 | 1.12 | 1.26 | 1.40 | 1.56 | 1.72 | 0.06 |
| 25 | 0.28 | 0.45 | 0.57 | 0.69 | 0.81 | 0.94 | 1.07 | 1.21 | 1.35 | 1.51 | 1.67 | 1.85 | 0.06 |
| 26 | 0.31 | 0.49 | 0.62 | 0.75 | 0.88 | 1.01 | 1.15 | 1.30 | 1.45 | 1.62 | 1.79 | 1.97 | 0.06 |
| 27 | 0.33 | 0.52 | 0.67 | 0.81 | 0.94 | 1.08 | 1.23 | 1.39 | 1.55 | 1.73 | 1.91 | 2.10 | 0.07 |
| 28 | 0.35 | 0.56 | 0.72 | 0.86 | 1.01 | 1.16 | 1.32 | 1.49 | 1.66 | 1.84 | 2.04 | 2.24 | 0.07 |
| 29 | 0.38 | 0.61 | 0.77 | 0.93 | 1.08 | 1.24 | 1.41 | 1.59 | 1.77 | 1.96 | 2.17 | 2.38 | 0.07 |
| 30 | 0.41 | 0.65 | 0.83 | 0.99 | 1.15 | 1.32 | 1.50 | 1.69 | 1.88 | 2.09 | 2.30 | 2.53 | 0.08 |
| 31 | 0.43 | 0.69 | 0.88 | 1.06 | 1.23 | 1.41 | 1.60 | 1.79 | 2.00 | 2.21 | 2.44 | 2.68 | 0.08 |
| 32 | 0.46 | 0.74 | 0.94 | 1.12 | 1.31 | 1.50 | 1.70 | 1.90 | 2.12 | 2.35 | 2.58 | 2.83 | 0.08 |
| 33 | 0.49 | 0.79 | 1.00 | 1.19 | 1.39 | 1.59 | 1.80 | 2.02 | 2.24 | 2.48 | 2.73 | 2.99 | 0.09 |
| 34 | 0.52 | 0.83 | 1.06 | 1.27 | 1.47 | 1.68 | 1.90 | 2.13 | 2.37 | 2.62 | 2.88 | 3.15 | 0.09 |
| 35 | 0.55 | 0.89 | 1.12 | 1.34 | 1.56 | 1.78 | 2.01 | 2.25 | 2.50 | 2.76 | 3.04 | 3.32 | 0.09 |
| 36 | 0.59 | 0.94 | 1.19 | 1.42 | 1.65 | 1.88 | 2.12 | 2.37 | 2.64 | 2.91 | 3.19 | 3.49 | 0.10 |
| 37 | 0.62 | 0.99 | 1.25 | 1.50 | 1.74 | 1.98 | 2.24 | 2.50 | 2.77 | 3.06 | 3.36 | 3.67 | 0.10 |
| 38 | 0.65 | 1.04 | 1.32 | 1.58 | 1.83 | 2.09 | 2.35 | 2.63 | 2.92 | 3.21 | 3.53 | 3.85 | 0.10 |
| 39 | 0.69 | 1.10 | 1.39 | 1.66 | 1.92 | 2.19 | 2.47 | 2.76 | 3.06 | 3.37 | 3.70 | 4.03 | 0.11 |
| 40 | 0.72 | 1.16 | 1.46 | 1.74 | 2.02 | 2.31 | 2.60 | 2.90 | 3.21 | 3.54 | 3.87 | 4.22 | 0.11 |

Cubic foot volume inside bark - Pine, Red - Sawtimber trees with topwood pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10" DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------|--------------|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch saw* |
| 11 | 4.50 | 8.22 | 11.77 | 15.07 | 18.45 | 22.83 | 27.79 | 32.20 | 36.90 | 41.92 | 4.71 | 2.07 | 1.10 |
| 12 | 5.36 | 9.74 | 13.84 | 17.59 | 21.41 | 26.30 | 31.81 | 36.70 | 41.88 | 47.39 | 5.26 | 2.28 | 1.25 |
| 13 | 6.29 | 11.38 | 16.07 | 20.31 | 24.60 | 30.04 | 36.14 | 41.52 | 47.21 | 53.23 | 5.85 | 2.51 | 1.42 |
| 14 | 7.30 | 13.16 | 18.48 | 23.24 | 28.02 | 34.04 | 40.75 | 46.65 | 52.88 | 59.45 | 6.48 | 2.74 | 1.62 |
| 15 | 8.39 | 15.08 | 21.05 | 26.38 | 31.67 | 38.30 | 45.66 | 52.11 | 58.89 | 66.02 | 7.15 | 2.99 | 1.84 |
| 16 | 9.54 | 17.12 | 23.80 | 29.72 | 35.56 | 42.82 | 50.86 | 57.89 | 65.25 | 72.97 | 7.86 | 3.24 | 2.10 |
| 17 | 10.78 | 19.29 | 26.73 | 33.26 | 39.68 | 47.61 | 56.35 | 63.98 | 71.94 | 80.29 | 8.62 | 3.50 | 2.39 |
| 18 | 12.09 | 21.59 | 29.82 | 37.00 | 44.03 | 52.66 | 62.14 | 70.39 | 78.99 | 87.97 | 9.42 | 3.77 | 2.72 |
| 19 | 13.48 | 24.03 | 33.08 | 40.95 | 48.62 | 57.98 | 68.22 | 77.13 | 86.38 | 96.02 | 10.26 | 4.04 | 3.09 |
| 20 | 14.94 | 26.59 | 36.52 | 45.11 | 53.43 | 63.56 | 74.60 | 84.18 | 94.11 | 104.44 | 11.14 | 4.32 | 3.52 |
| 21 | 16.48 | 29.29 | 40.13 | 49.47 | 58.49 | 69.40 | 81.27 | 91.55 | 102.19 | 113.23 | 12.07 | 4.58 | 4.01 |
| 22 | 18.10 | 32.12 | 43.92 | 54.03 | 63.77 | 75.50 | 88.23 | 99.24 | 110.61 | 122.38 | 13.03 | 4.85 | 4.57 |
| 23 | 19.79 | 35.08 | 47.87 | 58.80 | 69.29 | 81.87 | 95.49 | 107.25 | 119.37 | 131.91 | 14.04 | 5.10 | 5.20 |
| 24 | 21.55 | 38.17 | 52.00 | 63.78 | 75.04 | 88.51 | 103.04 | 115.58 | 128.48 | 141.81 | 15.10 | 5.33 | 5.92 |
| 25 | 23.40 | 41.40 | 56.30 | 68.96 | 81.03 | 95.40 | 110.89 | 124.24 | 137.94 | 152.07 | 16.19 | 5.54 | 6.74 |
| 26 | 25.32 | 44.75 | 60.77 | 74.34 | 87.25 | 102.57 | 119.03 | 133.21 | 147.74 | 162.71 | 17.33 | 5.72 | 7.67 |
| 27 | 27.31 | 48.24 | 65.42 | 79.93 | 93.70 | 109.99 | 127.47 | 142.50 | 157.89 | 173.71 | 18.51 | 5.86 | 8.74 |
| 28 | 29.38 | 51.86 | 70.23 | 85.72 | 100.39 | 117.68 | 136.20 | 152.11 | 168.38 | 185.09 | 19.73 | 5.95 | 9.95 |
| 29 | 31.53 | 55.61 | 75.23 | 91.72 | 107.31 | 125.64 | 145.23 | 162.05 | 179.22 | 196.83 | 20.99 | 5.98 | 11.33 |
| 30 | 33.76 | 59.50 | 80.39 | 97.93 | 114.47 | 133.86 | 154.55 | 172.30 | 190.40 | 208.94 | 22.30 | 5.92 | 12.90 |
| 31 | 36.06 | 63.51 | 85.73 | 104.34 | 121.86 | 142.34 | 164.17 | 182.88 | 201.93 | 221.43 | 23.65 | 5.78 | 14.68 |
| 32 | 38.44 | 67.66 | 91.24 | 110.96 | 129.48 | 151.09 | 174.08 | 193.78 | 213.81 | 234.29 | 25.04 | 5.71 | 16.72 |
| 33 | 40.89 | 71.94 | 96.92 | 117.78 | 137.34 | 160.11 | 184.29 | 204.99 | 226.03 | 247.51 | 26.47 | 6.07 | 19.03 |
| 34 | 43.42 | 76.35 | 102.78 | 124.81 | 145.44 | 169.39 | 194.79 | 216.53 | 238.60 | 261.11 | 27.95 | 6.45 | 21.67 |
| 35 | 46.03 | 80.90 | 108.81 | 132.04 | 153.77 | 178.93 | 205.59 | 228.40 | 251.51 | 275.08 | 29.47 | 6.83 | 24.67 |
| 36 | 48.71 | 85.57 | 115.01 | 139.48 | 162.33 | 188.74 | 216.69 | 240.58 | 264.78 | 289.41 | 31.03 | 7.23 | 28.09 |
| 37 | 51.47 | 90.38 | 121.39 | 147.13 | 171.13 | 198.82 | 228.08 | 253.08 | 278.38 | 304.12 | 32.64 | 7.63 | 31.98 |
| 38 | 54.31 | 95.32 | 127.94 | 154.98 | 180.16 | 209.16 | 239.77 | 265.91 | 292.34 | 319.20 | 34.28 | 8.05 | 36.41 |
| 39 | 57.22 | 100.39 | 134.66 | 163.04 | 189.43 | 219.77 | 251.75 | 279.06 | 306.64 | 334.66 | 35.97 | 8.48 | 41.45 |
| 40 | 60.21 | 105.60 | 141.56 | 171.31 | 198.93 | 230.64 | 264.03 | 292.53 | 321.29 | 350.48 | 37.71 | 8.92 | 47.20 |

Scribner Dec. C bdfv volumes -Pine, Red- Sawtimber trees with top pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10" DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|---|-----|-----|-----|------|------|------|------|------|------|------------|--------------|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch saw* |
| 11 | 20 | 40 | 60 | 80 | 100 | 120 | 150 | 170 | 200 | 230 | 0 | 0 | 10 |
| 12 | 30 | 50 | 70 | 90 | 120 | 140 | 170 | 200 | 230 | 260 | 0 | 0 | 10 |
| 13 | 30 | 60 | 90 | 110 | 130 | 160 | 200 | 220 | 250 | 290 | 0 | 0 | 10 |
| 14 | 40 | 70 | 100 | 130 | 150 | 180 | 220 | 250 | 290 | 320 | 0 | 0 | 10 |
| 15 | 50 | 80 | 110 | 140 | 170 | 210 | 250 | 280 | 320 | 360 | 0 | 0 | 10 |
| 16 | 50 | 90 | 130 | 160 | 190 | 230 | 270 | 310 | 350 | 390 | 0 | 0 | 10 |
| 17 | 60 | 100 | 140 | 180 | 210 | 260 | 300 | 350 | 390 | 430 | 0 | 0 | 10 |
| 18 | 70 | 120 | 160 | 200 | 240 | 280 | 340 | 380 | 430 | 480 | 0 | 0 | 10 |
| 19 | 70 | 130 | 180 | 220 | 260 | 310 | 370 | 420 | 470 | 520 | 0 | 0 | 20 |
| 20 | 80 | 140 | 200 | 240 | 290 | 340 | 400 | 450 | 510 | 560 | 0 | 0 | 20 |
| 21 | 90 | 160 | 220 | 270 | 320 | 370 | 440 | 490 | 550 | 610 | 0 | 0 | 20 |
| 22 | 100 | 170 | 240 | 290 | 340 | 410 | 480 | 540 | 600 | 660 | 0 | 0 | 20 |
| 23 | 110 | 190 | 260 | 320 | 370 | 440 | 520 | 580 | 640 | 710 | 0 | 0 | 30 |
| 24 | 120 | 210 | 280 | 340 | 410 | 480 | 560 | 620 | 690 | 770 | 0 | 0 | 30 |
| 25 | 130 | 220 | 300 | 370 | 440 | 520 | 600 | 670 | 740 | 820 | 0 | 0 | 40 |
| 26 | 140 | 240 | 330 | 400 | 470 | 550 | 640 | 720 | 800 | 880 | 0 | 0 | 40 |
| 27 | 150 | 260 | 350 | 430 | 510 | 590 | 690 | 770 | 850 | 940 | 0 | 0 | 50 |
| 28 | 160 | 280 | 380 | 460 | 540 | 640 | 740 | 820 | 910 | 1000 | 0 | 0 | 50 |
| 29 | 170 | 300 | 410 | 500 | 580 | 680 | 780 | 880 | 970 | 1060 | 0 | 0 | 60 |
| 30 | 180 | 320 | 430 | 530 | 620 | 720 | 830 | 930 | 1030 | 1130 | 0 | 0 | 70 |
| 31 | 190 | 340 | 460 | 560 | 660 | 770 | 890 | 990 | 1090 | 1200 | 0 | 0 | 80 |
| 32 | 210 | 370 | 490 | 600 | 700 | 820 | 940 | 1050 | 1150 | 1270 | 0 | 0 | 90 |
| 33 | 220 | 390 | 520 | 640 | 740 | 860 | 1000 | 1110 | 1220 | 1340 | 0 | 0 | 100 |
| 34 | 230 | 410 | 560 | 670 | 790 | 910 | 1050 | 1170 | 1290 | 1410 | 0 | 0 | 120 |
| 35 | 250 | 440 | 590 | 710 | 830 | 970 | 1110 | 1230 | 1360 | 1490 | 0 | 0 | 130 |
| 36 | 260 | 460 | 620 | 750 | 880 | 1020 | 1170 | 1300 | 1430 | 1560 | 0 | 0 | 150 |
| 37 | 280 | 490 | 660 | 790 | 920 | 1070 | 1230 | 1370 | 1500 | 1640 | 0 | 0 | 170 |
| 38 | 290 | 510 | 690 | 840 | 970 | 1130 | 1290 | 1440 | 1580 | 1720 | 0 | 0 | 200 |
| 39 | 310 | 540 | 730 | 880 | 1020 | 1190 | 1360 | 1510 | 1660 | 1810 | 0 | 0 | 220 |
| 40 | 330 | 570 | 760 | 930 | 1070 | 1250 | 1430 | 1580 | 1730 | 1890 | 0 | 0 | 250 |

Pine, white

Cubic foot volume inside bark - Pine, White - Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.88 | 1.48 | 2.28 | 3.13 | 4.10 | 5.20 | 6.45 | 7.87 | 9.46 | 11.24 | 13.23 | 15.44 | 0.00 |
| 6 | 1.27 | 2.14 | 3.10 | 4.13 | 5.28 | 6.58 | 8.04 | 9.69 | 11.53 | 13.59 | 15.87 | 18.39 | 0.04 |
| 7 | 1.74 | 2.93 | 4.08 | 5.29 | 6.65 | 8.16 | 9.87 | 11.77 | 13.89 | 16.24 | 18.83 | 21.69 | 0.30 |
| 8 | 2.27 | 3.84 | 5.21 | 6.63 | 8.21 | 9.97 | 11.93 | 14.12 | 16.53 | 19.20 | 22.13 | 25.33 | 0.55 |
| 9 | 2.87 | 4.87 | 6.49 | 8.15 | 9.97 | 12.00 | 14.24 | 16.72 | 19.46 | 22.46 | 25.75 | 29.33 | 0.80 |
| 10 | 3.55 | 6.03 | 7.92 | 9.84 | 11.93 | 14.24 | 16.79 | 19.59 | 22.67 | 26.03 | 29.69 | 33.67 | 1.05 |
| 11 | 4.30 | 7.32 | 9.50 | 11.70 | 14.09 | 16.71 | 19.58 | 22.72 | 26.16 | 29.90 | 33.97 | 38.37 | 1.30 |
| 12 | 5.12 | 8.73 | 11.23 | 13.74 | 16.44 | 19.39 | 22.61 | 26.12 | 29.94 | 34.08 | 38.57 | 43.41 | 1.55 |
| 13 | 6.01 | 10.26 | 13.12 | 15.96 | 19.00 | 22.29 | 25.88 | 29.78 | 34.00 | 38.57 | 43.50 | 48.80 | 1.80 |
| 14 | 6.97 | 11.92 | 15.16 | 18.34 | 21.74 | 25.42 | 29.39 | 33.70 | 38.35 | 43.36 | 48.75 | 54.54 | 2.05 |
| 15 | 8.00 | 13.71 | 17.34 | 20.91 | 24.69 | 28.76 | 33.15 | 37.88 | 42.98 | 48.46 | 54.34 | 60.63 | 2.30 |
| 16 | 9.11 | 15.62 | 19.69 | 23.65 | 27.83 | 32.32 | 37.14 | 42.33 | 47.90 | 53.87 | 60.25 | 67.07 | 2.55 |
| 17 | 10.29 | 17.66 | 22.18 | 26.56 | 31.18 | 36.10 | 41.38 | 47.04 | 53.10 | 59.58 | 66.50 | 73.87 | 2.80 |
| 18 | 11.54 | 19.82 | 24.82 | 29.65 | 34.72 | 40.11 | 45.86 | 52.02 | 58.59 | 65.60 | 73.07 | 81.01 | 3.05 |
| 19 | 12.86 | 22.11 | 27.62 | 32.92 | 38.45 | 44.33 | 50.59 | 57.26 | 64.37 | 71.93 | 79.97 | 88.50 | 3.31 |
| 20 | 14.25 | 24.52 | 30.57 | 36.36 | 42.39 | 48.77 | 55.55 | 62.76 | 70.43 | 78.57 | 87.20 | 96.35 | 3.56 |
| 21 | 15.72 | 27.06 | 33.67 | 39.98 | 46.53 | 53.44 | 60.76 | 68.53 | 76.78 | 85.52 | 94.76 | 104.54 | 3.81 |
| 22 | 17.26 | 29.73 | 36.93 | 43.77 | 50.86 | 58.32 | 66.21 | 74.57 | 83.41 | 92.77 | 102.66 | 113.09 | 4.06 |
| 23 | 18.87 | 32.52 | 40.34 | 47.74 | 55.39 | 63.43 | 71.91 | 80.87 | 90.33 | 100.33 | 110.88 | 121.99 | 4.31 |
| 24 | 20.55 | 35.44 | 43.90 | 51.89 | 60.13 | 68.76 | 77.84 | 87.43 | 97.54 | 108.20 | 119.43 | 131.24 | 4.56 |
| 25 | 22.30 | 38.49 | 47.61 | 56.21 | 65.06 | 74.30 | 84.02 | 94.26 | 105.04 | 116.38 | 128.31 | 140.85 | 4.81 |
| 26 | 24.13 | 41.66 | 51.48 | 60.71 | 70.19 | 80.07 | 90.45 | 101.35 | 112.82 | 124.87 | 137.52 | 150.80 | 5.06 |
| 27 | 26.03 | 44.96 | 55.50 | 65.39 | 75.52 | 86.07 | 97.12 | 108.71 | 120.89 | 133.66 | 147.07 | 161.11 | 5.31 |
| 28 | 28.00 | 48.38 | 59.67 | 70.24 | 81.04 | 92.28 | 104.03 | 116.34 | 129.24 | 142.77 | 156.94 | 171.77 | 5.56 |
| 29 | 30.04 | 51.94 | 64.00 | 75.27 | 86.77 | 98.71 | 111.18 | 124.23 | 137.89 | 152.19 | 167.14 | 182.78 | 5.81 |
| 30 | 32.15 | 55.62 | 68.48 | 80.48 | 92.70 | 105.37 | 118.58 | 132.39 | 146.82 | 161.91 | 177.68 | 194.15 | 6.06 |
| 31 | 34.34 | 59.42 | 73.11 | 85.86 | 98.83 | 112.25 | 126.22 | 140.81 | 156.04 | 171.94 | 188.55 | 205.87 | 6.32 |
| 32 | 36.59 | 63.35 | 77.90 | 91.42 | 105.15 | 119.35 | 134.11 | 149.50 | 165.55 | 182.29 | 199.75 | 217.94 | 6.57 |
| 33 | 38.92 | 67.41 | 82.84 | 97.16 | 111.68 | 126.67 | 142.24 | 158.45 | 175.34 | 192.94 | 211.28 | 230.37 | 6.82 |
| 34 | 41.33 | 71.60 | 87.93 | 103.07 | 118.41 | 134.22 | 150.62 | 167.67 | 185.43 | 203.91 | 223.14 | 243.15 | 7.07 |
| 35 | 43.80 | 75.91 | 93.18 | 109.16 | 125.33 | 141.98 | 159.24 | 177.16 | 195.80 | 215.18 | 235.33 | 256.28 | 7.32 |
| 36 | 46.35 | 80.35 | 98.58 | 115.43 | 132.46 | 149.97 | 168.10 | 186.91 | 206.46 | 226.76 | 247.86 | 269.77 | 7.57 |
| 37 | 48.97 | 84.92 | 104.13 | 121.88 | 139.79 | 158.19 | 177.21 | 196.93 | 217.41 | 238.66 | 260.72 | 283.61 | 7.82 |
| 38 | 51.66 | 89.61 | 109.84 | 128.50 | 147.31 | 166.62 | 186.56 | 207.22 | 228.64 | 250.86 | 273.91 | 297.80 | 8.07 |
| 39 | 54.42 | 94.44 | 115.70 | 135.30 | 155.04 | 175.28 | 196.16 | 217.77 | 240.17 | 263.38 | 287.43 | 312.35 | 8.32 |
| 40 | 57.26 | 99.38 | 121.72 | 142.28 | 162.97 | 184.16 | 206.00 | 228.59 | 251.98 | 276.20 | 301.28 | 327.25 | 8.57 |

Cord volume -Pine, White- Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|------|------|------|------|------|------|------|------|------|------|------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.08 | 0.10 | 0.12 | 0.14 | 0.17 | 0.20 | 0.00 |
| 6 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.08 | 0.10 | 0.12 | 0.15 | 0.17 | 0.20 | 0.23 | 0.00 |
| 7 | 0.02 | 0.04 | 0.05 | 0.07 | 0.08 | 0.10 | 0.12 | 0.15 | 0.18 | 0.21 | 0.24 | 0.27 | 0.00 |
| 8 | 0.03 | 0.05 | 0.07 | 0.08 | 0.10 | 0.13 | 0.15 | 0.18 | 0.21 | 0.24 | 0.28 | 0.32 | 0.01 |
| 9 | 0.04 | 0.06 | 0.08 | 0.10 | 0.13 | 0.15 | 0.18 | 0.21 | 0.25 | 0.28 | 0.33 | 0.37 | 0.01 |
| 10 | 0.04 | 0.08 | 0.10 | 0.12 | 0.15 | 0.18 | 0.21 | 0.25 | 0.29 | 0.33 | 0.38 | 0.43 | 0.01 |
| 11 | 0.05 | 0.09 | 0.12 | 0.15 | 0.18 | 0.21 | 0.25 | 0.29 | 0.33 | 0.38 | 0.43 | 0.49 | 0.02 |
| 12 | 0.06 | 0.11 | 0.14 | 0.17 | 0.21 | 0.25 | 0.29 | 0.33 | 0.38 | 0.43 | 0.49 | 0.55 | 0.02 |
| 13 | 0.08 | 0.13 | 0.17 | 0.20 | 0.24 | 0.28 | 0.33 | 0.38 | 0.43 | 0.49 | 0.55 | 0.62 | 0.02 |
| 14 | 0.09 | 0.15 | 0.19 | 0.23 | 0.28 | 0.32 | 0.37 | 0.43 | 0.49 | 0.55 | 0.62 | 0.69 | 0.03 |
| 15 | 0.10 | 0.17 | 0.22 | 0.26 | 0.31 | 0.36 | 0.42 | 0.48 | 0.54 | 0.61 | 0.69 | 0.77 | 0.03 |
| 16 | 0.12 | 0.20 | 0.25 | 0.30 | 0.35 | 0.41 | 0.47 | 0.54 | 0.61 | 0.68 | 0.76 | 0.85 | 0.03 |
| 17 | 0.13 | 0.22 | 0.28 | 0.34 | 0.39 | 0.46 | 0.52 | 0.60 | 0.67 | 0.75 | 0.84 | 0.94 | 0.04 |
| 18 | 0.15 | 0.25 | 0.31 | 0.38 | 0.44 | 0.51 | 0.58 | 0.66 | 0.74 | 0.83 | 0.93 | 1.03 | 0.04 |
| 19 | 0.16 | 0.28 | 0.35 | 0.42 | 0.49 | 0.56 | 0.64 | 0.72 | 0.81 | 0.91 | 1.01 | 1.12 | 0.04 |
| 20 | 0.18 | 0.31 | 0.39 | 0.46 | 0.54 | 0.62 | 0.70 | 0.79 | 0.89 | 0.99 | 1.10 | 1.22 | 0.05 |
| 21 | 0.20 | 0.34 | 0.43 | 0.51 | 0.59 | 0.68 | 0.77 | 0.87 | 0.97 | 1.08 | 1.20 | 1.32 | 0.05 |
| 22 | 0.22 | 0.38 | 0.47 | 0.55 | 0.64 | 0.74 | 0.84 | 0.94 | 1.06 | 1.17 | 1.30 | 1.43 | 0.05 |
| 23 | 0.24 | 0.41 | 0.51 | 0.60 | 0.70 | 0.80 | 0.91 | 1.02 | 1.14 | 1.27 | 1.40 | 1.54 | 0.05 |
| 24 | 0.26 | 0.45 | 0.56 | 0.66 | 0.76 | 0.87 | 0.99 | 1.11 | 1.23 | 1.37 | 1.51 | 1.66 | 0.06 |
| 25 | 0.28 | 0.49 | 0.60 | 0.71 | 0.82 | 0.94 | 1.06 | 1.19 | 1.33 | 1.47 | 1.62 | 1.78 | 0.06 |
| 26 | 0.31 | 0.53 | 0.65 | 0.77 | 0.89 | 1.01 | 1.15 | 1.28 | 1.43 | 1.58 | 1.74 | 1.91 | 0.06 |
| 27 | 0.33 | 0.57 | 0.70 | 0.83 | 0.96 | 1.09 | 1.23 | 1.38 | 1.53 | 1.69 | 1.86 | 2.04 | 0.07 |
| 28 | 0.35 | 0.61 | 0.76 | 0.89 | 1.03 | 1.17 | 1.32 | 1.47 | 1.64 | 1.81 | 1.99 | 2.17 | 0.07 |
| 29 | 0.38 | 0.66 | 0.81 | 0.95 | 1.10 | 1.25 | 1.41 | 1.57 | 1.75 | 1.93 | 2.12 | 2.31 | 0.07 |
| 30 | 0.41 | 0.70 | 0.87 | 1.02 | 1.17 | 1.33 | 1.50 | 1.68 | 1.86 | 2.05 | 2.25 | 2.46 | 0.08 |
| 31 | 0.43 | 0.75 | 0.93 | 1.09 | 1.25 | 1.42 | 1.60 | 1.78 | 1.98 | 2.18 | 2.39 | 2.61 | 0.08 |
| 32 | 0.46 | 0.80 | 0.99 | 1.16 | 1.33 | 1.51 | 1.70 | 1.89 | 2.10 | 2.31 | 2.53 | 2.76 | 0.08 |
| 33 | 0.49 | 0.85 | 1.05 | 1.23 | 1.41 | 1.60 | 1.80 | 2.01 | 2.22 | 2.44 | 2.67 | 2.92 | 0.09 |
| 34 | 0.52 | 0.91 | 1.11 | 1.30 | 1.50 | 1.70 | 1.91 | 2.12 | 2.35 | 2.58 | 2.82 | 3.08 | 0.09 |
| 35 | 0.55 | 0.96 | 1.18 | 1.38 | 1.59 | 1.80 | 2.02 | 2.24 | 2.48 | 2.72 | 2.98 | 3.24 | 0.09 |
| 36 | 0.59 | 1.02 | 1.25 | 1.46 | 1.68 | 1.90 | 2.13 | 2.37 | 2.61 | 2.87 | 3.14 | 3.42 | 0.10 |
| 37 | 0.62 | 1.08 | 1.32 | 1.54 | 1.77 | 2.00 | 2.24 | 2.49 | 2.75 | 3.02 | 3.30 | 3.59 | 0.10 |
| 38 | 0.65 | 1.13 | 1.39 | 1.63 | 1.86 | 2.11 | 2.36 | 2.62 | 2.89 | 3.18 | 3.47 | 3.77 | 0.10 |
| 39 | 0.69 | 1.20 | 1.46 | 1.71 | 1.96 | 2.22 | 2.48 | 2.76 | 3.04 | 3.33 | 3.64 | 3.95 | 0.11 |
| 40 | 0.72 | 1.26 | 1.54 | 1.80 | 2.06 | 2.33 | 2.61 | 2.89 | 3.19 | 3.50 | 3.81 | 4.14 | 0.11 |

Cubic foot volume inside bark -Pine, White- Sawtimber trees with topwood pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------|--------------|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch saw* |
| 11 | 4.56 | 8.36 | 11.89 | 15.10 | 18.36 | 22.61 | 27.40 | 31.61 | 36.09 | 40.85 | 4.36 | 2.07 | 1.10 |
| 12 | 5.44 | 9.93 | 14.01 | 17.69 | 21.38 | 26.14 | 31.49 | 36.17 | 41.11 | 46.35 | 4.86 | 2.28 | 1.25 |
| 13 | 6.39 | 11.64 | 16.32 | 20.49 | 24.64 | 29.95 | 35.88 | 41.04 | 46.49 | 52.23 | 5.40 | 2.51 | 1.42 |
| 14 | 7.41 | 13.48 | 18.81 | 23.50 | 28.14 | 34.02 | 40.58 | 46.25 | 52.21 | 58.49 | 5.98 | 2.74 | 1.62 |
| 15 | 8.52 | 15.46 | 21.47 | 26.72 | 31.88 | 38.37 | 45.57 | 51.79 | 58.29 | 65.12 | 6.60 | 2.99 | 1.84 |
| 16 | 9.70 | 17.57 | 24.32 | 30.16 | 35.86 | 42.99 | 50.87 | 57.65 | 64.72 | 72.13 | 7.26 | 3.24 | 2.10 |
| 17 | 10.96 | 19.82 | 27.34 | 33.81 | 40.08 | 47.89 | 56.47 | 63.84 | 71.51 | 79.52 | 7.96 | 3.50 | 2.39 |
| 18 | 12.30 | 22.21 | 30.55 | 37.67 | 44.54 | 53.05 | 62.38 | 70.36 | 78.65 | 87.29 | 8.70 | 3.77 | 2.72 |
| 19 | 13.71 | 24.73 | 33.93 | 41.74 | 49.25 | 58.49 | 68.58 | 77.21 | 86.14 | 95.43 | 9.48 | 4.04 | 3.09 |
| 20 | 15.20 | 27.39 | 37.49 | 46.03 | 54.19 | 64.20 | 75.10 | 84.39 | 93.99 | 103.95 | 10.30 | 4.32 | 3.52 |
| 21 | 16.77 | 30.19 | 41.23 | 50.53 | 59.38 | 70.18 | 81.91 | 91.89 | 102.18 | 112.85 | 11.16 | 4.58 | 4.01 |
| 22 | 18.41 | 33.12 | 45.16 | 55.24 | 64.81 | 76.44 | 89.03 | 99.73 | 110.74 | 122.12 | 12.06 | 4.85 | 4.57 |
| 23 | 20.14 | 36.19 | 49.26 | 60.16 | 70.48 | 82.96 | 96.45 | 107.89 | 119.65 | 131.78 | 12.99 | 5.10 | 5.20 |
| 24 | 21.94 | 39.40 | 53.54 | 65.30 | 76.40 | 89.76 | 104.18 | 116.39 | 128.91 | 141.81 | 13.97 | 5.33 | 5.92 |
| 25 | 23.82 | 42.75 | 58.00 | 70.65 | 82.55 | 96.84 | 112.21 | 125.21 | 138.52 | 152.22 | 14.99 | 5.54 | 6.74 |
| 26 | 25.77 | 46.23 | 62.65 | 76.22 | 88.95 | 104.19 | 120.55 | 134.37 | 148.50 | 163.01 | 16.05 | 5.72 | 7.67 |
| 27 | 27.81 | 49.85 | 67.47 | 82.00 | 95.59 | 111.81 | 129.19 | 143.86 | 158.82 | 174.18 | 17.15 | 5.86 | 8.74 |
| 28 | 29.92 | 53.61 | 72.47 | 87.99 | 102.47 | 119.70 | 138.14 | 153.67 | 169.50 | 185.73 | 18.29 | 5.95 | 9.95 |
| 29 | 32.11 | 57.50 | 77.66 | 94.20 | 109.60 | 127.87 | 147.39 | 163.82 | 180.54 | 197.66 | 19.47 | 5.98 | 11.33 |
| 30 | 34.38 | 61.53 | 83.02 | 100.62 | 116.97 | 136.32 | 156.94 | 174.30 | 191.93 | 209.97 | 20.69 | 5.92 | 12.90 |
| 31 | 36.72 | 65.70 | 88.57 | 107.25 | 124.58 | 145.03 | 166.80 | 185.10 | 203.68 | 222.65 | 21.95 | 5.78 | 14.68 |
| 32 | 39.15 | 70.01 | 94.30 | 114.10 | 132.44 | 154.03 | 176.97 | 196.24 | 215.79 | 235.72 | 23.24 | 5.71 | 16.72 |
| 33 | 41.65 | 74.46 | 100.20 | 121.17 | 140.54 | 163.29 | 187.44 | 207.71 | 228.25 | 249.17 | 24.58 | 6.07 | 19.03 |
| 34 | 44.23 | 79.04 | 106.29 | 128.44 | 148.88 | 172.83 | 198.22 | 219.51 | 241.06 | 263.00 | 25.96 | 6.45 | 21.67 |
| 35 | 46.88 | 83.76 | 112.56 | 135.94 | 157.46 | 182.65 | 209.30 | 231.65 | 254.23 | 277.21 | 27.38 | 6.83 | 24.67 |
| 36 | 49.62 | 88.62 | 119.01 | 143.64 | 166.29 | 192.73 | 220.69 | 244.11 | 267.76 | 291.79 | 28.84 | 7.23 | 28.09 |
| 37 | 52.43 | 93.61 | 125.64 | 151.56 | 175.36 | 203.10 | 232.39 | 256.91 | 281.65 | 306.76 | 30.34 | 7.63 | 31.98 |
| 38 | 55.32 | 98.75 | 132.46 | 159.70 | 184.68 | 213.74 | 244.39 | 270.03 | 295.89 | 322.11 | 31.89 | 8.05 | 36.41 |
| 39 | 58.29 | 104.02 | 139.45 | 168.05 | 194.24 | 224.65 | 256.70 | 283.49 | 310.48 | 337.84 | 33.47 | 8.48 | 41.45 |
| 40 | 61.34 | 109.43 | 146.63 | 176.61 | 204.04 | 235.84 | 269.31 | 297.28 | 325.44 | 353.96 | 35.09 | 8.92 | 47.20 |

Scribner Dec. C bdfv volumes -Pine, White- Sawtimber with top pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|--|-----|-----|-----|------|------|------|------|------|------|------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch bdfv* |
| 11 | 20 | 50 | 60 | 80 | 100 | 120 | 150 | 170 | 190 | 220 | 0 | 0 | 10 |
| 12 | 30 | 50 | 80 | 100 | 120 | 140 | 170 | 200 | 220 | 250 | 0 | 0 | 10 |
| 13 | 30 | 60 | 90 | 110 | 130 | 160 | 190 | 220 | 250 | 280 | 0 | 0 | 10 |
| 14 | 40 | 70 | 100 | 130 | 150 | 180 | 220 | 250 | 280 | 320 | 0 | 0 | 10 |
| 15 | 50 | 80 | 120 | 140 | 170 | 210 | 250 | 280 | 310 | 350 | 0 | 0 | 10 |
| 16 | 50 | 90 | 130 | 160 | 190 | 230 | 270 | 310 | 350 | 390 | 0 | 0 | 10 |
| 17 | 60 | 110 | 150 | 180 | 220 | 260 | 300 | 340 | 390 | 430 | 0 | 0 | 10 |
| 18 | 70 | 120 | 160 | 200 | 240 | 290 | 340 | 380 | 420 | 470 | 0 | 0 | 10 |
| 19 | 70 | 130 | 180 | 230 | 270 | 320 | 370 | 420 | 470 | 520 | 0 | 0 | 20 |
| 20 | 80 | 150 | 200 | 250 | 290 | 350 | 410 | 460 | 510 | 560 | 0 | 0 | 20 |
| 21 | 90 | 160 | 220 | 270 | 320 | 380 | 440 | 500 | 550 | 610 | 0 | 0 | 20 |
| 22 | 100 | 180 | 240 | 300 | 350 | 410 | 480 | 540 | 600 | 660 | 0 | 0 | 20 |
| 23 | 110 | 200 | 270 | 320 | 380 | 450 | 520 | 580 | 650 | 710 | 0 | 0 | 30 |
| 24 | 120 | 210 | 290 | 350 | 410 | 480 | 560 | 630 | 700 | 770 | 0 | 0 | 30 |
| 25 | 130 | 230 | 310 | 380 | 450 | 520 | 610 | 680 | 750 | 820 | 0 | 0 | 40 |
| 26 | 140 | 250 | 340 | 410 | 480 | 560 | 650 | 730 | 800 | 880 | 0 | 0 | 40 |
| 27 | 150 | 270 | 360 | 440 | 520 | 600 | 700 | 780 | 860 | 940 | 0 | 0 | 50 |
| 28 | 160 | 290 | 390 | 480 | 550 | 650 | 750 | 830 | 920 | 1000 | 0 | 0 | 50 |
| 29 | 170 | 310 | 420 | 510 | 590 | 690 | 800 | 880 | 970 | 1070 | 0 | 0 | 60 |
| 30 | 190 | 330 | 450 | 540 | 630 | 740 | 850 | 940 | 1040 | 1130 | 0 | 0 | 70 |
| 31 | 200 | 350 | 480 | 580 | 670 | 780 | 900 | 1000 | 1100 | 1200 | 0 | 0 | 80 |
| 32 | 210 | 380 | 510 | 620 | 720 | 830 | 960 | 1060 | 1170 | 1270 | 0 | 0 | 90 |
| 33 | 220 | 400 | 540 | 650 | 760 | 880 | 1010 | 1120 | 1230 | 1350 | 0 | 0 | 100 |
| 34 | 240 | 430 | 570 | 690 | 800 | 930 | 1070 | 1190 | 1300 | 1420 | 0 | 0 | 120 |
| 35 | 250 | 450 | 610 | 730 | 850 | 990 | 1130 | 1250 | 1370 | 1500 | 0 | 0 | 130 |
| 36 | 270 | 480 | 640 | 780 | 900 | 1040 | 1190 | 1320 | 1450 | 1580 | 0 | 0 | 150 |
| 37 | 280 | 510 | 680 | 820 | 950 | 1100 | 1250 | 1390 | 1520 | 1660 | 0 | 0 | 170 |
| 38 | 300 | 530 | 720 | 860 | 1000 | 1150 | 1320 | 1460 | 1600 | 1740 | 0 | 0 | 200 |
| 39 | 310 | 560 | 750 | 910 | 1050 | 1210 | 1390 | 1530 | 1680 | 1820 | 0 | 0 | 220 |
| 40 | 330 | 590 | 790 | 950 | 1100 | 1270 | 1450 | 1610 | 1760 | 1910 | 0 | 0 | 250 |

Spruce, black

Cubic foot volume inside bark - Spruce, Black - Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.88 | 1.45 | 2.29 | 3.19 | 4.16 | 5.24 | 6.44 | 7.77 | 9.25 | 10.89 | 12.70 | 14.69 | 0.00 |
| 6 | 1.27 | 2.09 | 3.09 | 4.14 | 5.27 | 6.53 | 7.91 | 9.45 | 11.14 | 13.01 | 15.07 | 17.33 | 0.04 |
| 7 | 1.74 | 2.85 | 4.03 | 5.25 | 6.57 | 8.02 | 9.61 | 11.37 | 13.30 | 15.43 | 17.76 | 20.30 | 0.30 |
| 8 | 2.27 | 3.74 | 5.12 | 6.54 | 8.06 | 9.72 | 11.54 | 13.54 | 15.73 | 18.13 | 20.74 | 23.59 | 0.55 |
| 9 | 2.87 | 4.75 | 6.36 | 7.99 | 9.74 | 11.63 | 13.70 | 15.96 | 18.43 | 21.11 | 24.04 | 27.21 | 0.80 |
| 10 | 3.55 | 5.88 | 7.74 | 9.61 | 11.61 | 13.75 | 16.09 | 18.63 | 21.39 | 24.38 | 27.63 | 31.14 | 1.05 |
| 11 | 4.30 | 7.13 | 9.26 | 11.40 | 13.66 | 16.08 | 18.70 | 21.54 | 24.61 | 27.94 | 31.53 | 35.40 | 1.30 |
| 12 | 5.12 | 8.50 | 10.94 | 13.36 | 15.90 | 18.62 | 21.54 | 24.70 | 28.11 | 31.78 | 35.73 | 39.98 | 1.55 |
| 13 | 6.01 | 10.00 | 12.76 | 15.49 | 18.34 | 21.37 | 24.61 | 28.11 | 31.86 | 35.90 | 40.24 | 44.89 | 1.80 |
| 14 | 6.97 | 11.62 | 14.73 | 17.79 | 20.96 | 24.32 | 27.91 | 31.76 | 35.89 | 40.31 | 45.05 | 50.11 | 2.05 |
| 15 | 8.00 | 13.36 | 16.84 | 20.25 | 23.77 | 27.49 | 31.44 | 35.66 | 40.18 | 45.01 | 50.16 | 55.66 | 2.30 |
| 16 | 9.11 | 15.23 | 19.11 | 22.88 | 26.77 | 30.86 | 35.20 | 39.81 | 44.74 | 49.99 | 55.58 | 61.53 | 2.55 |
| 17 | 10.29 | 17.21 | 21.51 | 25.69 | 29.96 | 34.44 | 39.18 | 44.21 | 49.56 | 55.25 | 61.30 | 67.72 | 2.80 |
| 18 | 11.54 | 19.32 | 24.07 | 28.66 | 33.34 | 38.23 | 43.39 | 48.86 | 54.65 | 60.81 | 67.33 | 74.24 | 3.05 |
| 19 | 12.86 | 21.56 | 26.78 | 31.80 | 36.91 | 42.23 | 47.83 | 53.75 | 60.01 | 66.64 | 73.66 | 81.08 | 3.31 |
| 20 | 14.25 | 23.92 | 29.63 | 35.11 | 40.67 | 46.44 | 52.50 | 58.89 | 65.64 | 72.77 | 80.30 | 88.24 | 3.56 |
| 21 | 15.72 | 26.40 | 32.63 | 38.58 | 44.62 | 50.87 | 57.40 | 64.28 | 71.53 | 79.18 | 87.24 | 95.73 | 3.81 |
| 22 | 17.26 | 29.00 | 35.77 | 42.23 | 48.76 | 55.50 | 62.53 | 69.92 | 77.69 | 85.87 | 94.48 | 103.54 | 4.06 |
| 23 | 18.87 | 31.73 | 39.07 | 46.05 | 53.08 | 60.34 | 67.89 | 75.81 | 84.12 | 92.85 | 102.03 | 111.68 | 4.31 |
| 24 | 20.55 | 34.58 | 42.51 | 50.04 | 57.60 | 65.39 | 73.48 | 81.94 | 90.81 | 100.12 | 109.89 | 120.13 | 4.56 |
| 25 | 22.30 | 37.55 | 46.10 | 54.19 | 62.31 | 70.65 | 79.30 | 88.33 | 97.78 | 107.68 | 118.05 | 128.92 | 4.81 |
| 26 | 24.13 | 40.65 | 49.84 | 58.52 | 67.21 | 76.12 | 85.34 | 94.96 | 105.01 | 115.52 | 126.52 | 138.02 | 5.06 |
| 27 | 26.03 | 43.87 | 53.72 | 63.02 | 72.30 | 81.80 | 91.62 | 101.84 | 112.51 | 123.65 | 135.29 | 147.46 | 5.31 |
| 28 | 28.00 | 47.22 | 57.76 | 67.68 | 77.58 | 87.69 | 98.13 | 108.97 | 120.27 | 132.06 | 144.37 | 157.21 | 5.56 |
| 29 | 30.04 | 50.69 | 61.94 | 72.52 | 83.05 | 93.79 | 104.87 | 116.36 | 128.31 | 140.77 | 153.75 | 167.29 | 5.81 |
| 30 | 32.15 | 54.28 | 66.27 | 77.53 | 88.72 | 100.11 | 111.83 | 123.99 | 136.61 | 149.76 | 163.45 | 177.70 | 6.06 |
| 31 | 34.34 | 58.00 | 70.75 | 82.70 | 94.57 | 106.63 | 119.03 | 131.87 | 145.19 | 159.04 | 173.44 | 188.43 | 6.32 |
| 32 | 36.59 | 61.84 | 75.38 | 88.05 | 100.61 | 113.36 | 126.46 | 140.00 | 154.03 | 168.60 | 183.75 | 199.49 | 6.57 |
| 33 | 38.92 | 65.80 | 80.15 | 93.57 | 106.85 | 120.31 | 134.12 | 148.37 | 163.14 | 178.46 | 194.36 | 210.87 | 6.82 |
| 34 | 41.33 | 69.89 | 85.08 | 99.26 | 113.27 | 127.47 | 142.01 | 157.00 | 172.52 | 188.60 | 205.27 | 222.58 | 7.07 |
| 35 | 43.80 | 74.11 | 90.15 | 105.11 | 119.89 | 134.83 | 150.13 | 165.88 | 182.17 | 199.03 | 216.50 | 234.61 | 7.32 |
| 36 | 46.35 | 78.44 | 95.37 | 111.14 | 126.70 | 142.41 | 158.48 | 175.01 | 192.08 | 209.74 | 228.03 | 246.97 | 7.57 |
| 37 | 48.97 | 82.91 | 100.74 | 117.34 | 133.70 | 150.20 | 167.06 | 184.39 | 202.27 | 220.75 | 239.87 | 259.65 | 7.82 |
| 38 | 51.66 | 87.49 | 106.26 | 123.71 | 140.89 | 158.20 | 175.87 | 194.02 | 212.72 | 232.04 | 252.01 | 272.66 | 8.07 |
| 39 | 54.42 | 92.20 | 111.93 | 130.25 | 148.27 | 166.41 | 184.91 | 203.90 | 223.45 | 243.62 | 264.46 | 286.00 | 8.32 |
| 40 | 57.26 | 97.04 | 117.75 | 136.96 | 155.84 | 174.84 | 194.19 | 214.03 | 234.44 | 255.49 | 277.22 | 299.66 | 8.57 |

Cord volume -Spruce, Black- Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|------|------|------|------|------|------|------|------|------|------|------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.08 | 0.10 | 0.12 | 0.14 | 0.16 | 0.19 | 0.00 |
| 6 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.08 | 0.10 | 0.12 | 0.14 | 0.16 | 0.19 | 0.22 | 0.00 |
| 7 | 0.02 | 0.04 | 0.05 | 0.07 | 0.08 | 0.10 | 0.12 | 0.14 | 0.17 | 0.20 | 0.22 | 0.26 | 0.00 |
| 8 | 0.03 | 0.05 | 0.06 | 0.08 | 0.10 | 0.12 | 0.15 | 0.17 | 0.20 | 0.23 | 0.26 | 0.30 | 0.01 |
| 9 | 0.04 | 0.06 | 0.08 | 0.10 | 0.12 | 0.15 | 0.17 | 0.20 | 0.23 | 0.27 | 0.30 | 0.34 | 0.01 |
| 10 | 0.04 | 0.07 | 0.10 | 0.12 | 0.15 | 0.17 | 0.20 | 0.24 | 0.27 | 0.31 | 0.35 | 0.39 | 0.01 |
| 11 | 0.05 | 0.09 | 0.12 | 0.14 | 0.17 | 0.20 | 0.24 | 0.27 | 0.31 | 0.35 | 0.40 | 0.45 | 0.02 |
| 12 | 0.06 | 0.11 | 0.14 | 0.17 | 0.20 | 0.24 | 0.27 | 0.31 | 0.36 | 0.40 | 0.45 | 0.51 | 0.02 |
| 13 | 0.08 | 0.13 | 0.16 | 0.20 | 0.23 | 0.27 | 0.31 | 0.36 | 0.40 | 0.45 | 0.51 | 0.57 | 0.02 |
| 14 | 0.09 | 0.15 | 0.19 | 0.23 | 0.27 | 0.31 | 0.35 | 0.40 | 0.45 | 0.51 | 0.57 | 0.63 | 0.03 |
| 15 | 0.10 | 0.17 | 0.21 | 0.26 | 0.30 | 0.35 | 0.40 | 0.45 | 0.51 | 0.57 | 0.64 | 0.70 | 0.03 |
| 16 | 0.12 | 0.19 | 0.24 | 0.29 | 0.34 | 0.39 | 0.45 | 0.50 | 0.57 | 0.63 | 0.70 | 0.78 | 0.03 |
| 17 | 0.13 | 0.22 | 0.27 | 0.33 | 0.38 | 0.44 | 0.50 | 0.56 | 0.63 | 0.70 | 0.78 | 0.86 | 0.04 |
| 18 | 0.15 | 0.24 | 0.30 | 0.36 | 0.42 | 0.48 | 0.55 | 0.62 | 0.69 | 0.77 | 0.85 | 0.94 | 0.04 |
| 19 | 0.16 | 0.27 | 0.34 | 0.40 | 0.47 | 0.53 | 0.61 | 0.68 | 0.76 | 0.84 | 0.93 | 1.03 | 0.04 |
| 20 | 0.18 | 0.30 | 0.38 | 0.44 | 0.51 | 0.59 | 0.66 | 0.75 | 0.83 | 0.92 | 1.02 | 1.12 | 0.05 |
| 21 | 0.20 | 0.33 | 0.41 | 0.49 | 0.56 | 0.64 | 0.73 | 0.81 | 0.91 | 1.00 | 1.10 | 1.21 | 0.05 |
| 22 | 0.22 | 0.37 | 0.45 | 0.53 | 0.62 | 0.70 | 0.79 | 0.89 | 0.98 | 1.09 | 1.20 | 1.31 | 0.05 |
| 23 | 0.24 | 0.40 | 0.49 | 0.58 | 0.67 | 0.76 | 0.86 | 0.96 | 1.06 | 1.18 | 1.29 | 1.41 | 0.05 |
| 24 | 0.26 | 0.44 | 0.54 | 0.63 | 0.73 | 0.83 | 0.93 | 1.04 | 1.15 | 1.27 | 1.39 | 1.52 | 0.06 |
| 25 | 0.28 | 0.48 | 0.58 | 0.69 | 0.79 | 0.89 | 1.00 | 1.12 | 1.24 | 1.36 | 1.49 | 1.63 | 0.06 |
| 26 | 0.31 | 0.51 | 0.63 | 0.74 | 0.85 | 0.96 | 1.08 | 1.20 | 1.33 | 1.46 | 1.60 | 1.75 | 0.06 |
| 27 | 0.33 | 0.56 | 0.68 | 0.80 | 0.92 | 1.04 | 1.16 | 1.29 | 1.42 | 1.57 | 1.71 | 1.87 | 0.07 |
| 28 | 0.35 | 0.60 | 0.73 | 0.86 | 0.98 | 1.11 | 1.24 | 1.38 | 1.52 | 1.67 | 1.83 | 1.99 | 0.07 |
| 29 | 0.38 | 0.64 | 0.78 | 0.92 | 1.05 | 1.19 | 1.33 | 1.47 | 1.62 | 1.78 | 1.95 | 2.12 | 0.07 |
| 30 | 0.41 | 0.69 | 0.84 | 0.98 | 1.12 | 1.27 | 1.42 | 1.57 | 1.73 | 1.90 | 2.07 | 2.25 | 0.08 |
| 31 | 0.43 | 0.73 | 0.90 | 1.05 | 1.20 | 1.35 | 1.51 | 1.67 | 1.84 | 2.01 | 2.20 | 2.39 | 0.08 |
| 32 | 0.46 | 0.78 | 0.95 | 1.11 | 1.27 | 1.44 | 1.60 | 1.77 | 1.95 | 2.13 | 2.33 | 2.53 | 0.08 |
| 33 | 0.49 | 0.83 | 1.01 | 1.18 | 1.35 | 1.52 | 1.70 | 1.88 | 2.07 | 2.26 | 2.46 | 2.67 | 0.09 |
| 34 | 0.52 | 0.88 | 1.08 | 1.26 | 1.43 | 1.61 | 1.80 | 1.99 | 2.18 | 2.39 | 2.60 | 2.82 | 0.09 |
| 35 | 0.55 | 0.94 | 1.14 | 1.33 | 1.52 | 1.71 | 1.90 | 2.10 | 2.31 | 2.52 | 2.74 | 2.97 | 0.09 |
| 36 | 0.59 | 0.99 | 1.21 | 1.41 | 1.60 | 1.80 | 2.01 | 2.22 | 2.43 | 2.66 | 2.89 | 3.13 | 0.10 |
| 37 | 0.62 | 1.05 | 1.28 | 1.49 | 1.69 | 1.90 | 2.11 | 2.33 | 2.56 | 2.79 | 3.04 | 3.29 | 0.10 |
| 38 | 0.65 | 1.11 | 1.35 | 1.57 | 1.78 | 2.00 | 2.23 | 2.46 | 2.69 | 2.94 | 3.19 | 3.45 | 0.10 |
| 39 | 0.69 | 1.17 | 1.42 | 1.65 | 1.88 | 2.11 | 2.34 | 2.58 | 2.83 | 3.08 | 3.35 | 3.62 | 0.11 |
| 40 | 0.72 | 1.23 | 1.49 | 1.73 | 1.97 | 2.21 | 2.46 | 2.71 | 2.97 | 3.23 | 3.51 | 3.79 | 0.11 |

Cubic foot volume inside bark -Spruce, Black- Sawtimber trees with topwood pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10" DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------|--------------|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch saw* |
| 11 | 4.54 | 8.31 | 11.97 | 15.32 | 18.80 | 23.48 | 28.86 | 33.59 | 38.67 | 44.15 | 4.70 | 2.06 | 1.10 |
| 12 | 5.41 | 9.84 | 14.04 | 17.82 | 21.71 | 26.90 | 32.83 | 38.01 | 43.56 | 49.52 | 5.22 | 2.27 | 1.25 |
| 13 | 6.35 | 11.50 | 16.27 | 20.52 | 24.85 | 30.57 | 37.07 | 42.73 | 48.77 | 55.22 | 5.78 | 2.49 | 1.42 |
| 14 | 7.36 | 13.29 | 18.67 | 23.42 | 28.21 | 34.49 | 41.60 | 47.75 | 54.30 | 61.27 | 6.37 | 2.72 | 1.62 |
| 15 | 8.45 | 15.21 | 21.25 | 26.52 | 31.79 | 38.66 | 46.40 | 53.07 | 60.15 | 67.67 | 7.01 | 2.97 | 1.84 |
| 16 | 9.62 | 17.25 | 23.99 | 29.81 | 35.60 | 43.09 | 51.48 | 58.70 | 66.32 | 74.40 | 7.68 | 3.22 | 2.10 |
| 17 | 10.87 | 19.43 | 26.90 | 33.31 | 39.63 | 47.76 | 56.83 | 64.62 | 72.81 | 81.47 | 8.40 | 3.48 | 2.39 |
| 18 | 12.19 | 21.75 | 29.98 | 37.00 | 43.88 | 52.69 | 62.47 | 70.84 | 79.63 | 88.89 | 9.15 | 3.74 | 2.72 |
| 19 | 13.58 | 24.19 | 33.23 | 40.89 | 48.36 | 57.86 | 68.38 | 77.36 | 86.76 | 96.65 | 9.94 | 4.01 | 3.09 |
| 20 | 15.06 | 26.76 | 36.65 | 44.98 | 53.06 | 63.29 | 74.57 | 84.18 | 94.22 | 104.75 | 10.77 | 4.28 | 3.52 |
| 21 | 16.61 | 29.46 | 40.24 | 49.27 | 57.99 | 68.97 | 81.04 | 91.30 | 101.99 | 113.19 | 11.64 | 4.54 | 4.01 |
| 22 | 18.23 | 32.30 | 44.00 | 53.76 | 63.14 | 74.90 | 87.79 | 98.72 | 110.09 | 121.97 | 12.55 | 4.80 | 4.57 |
| 23 | 19.94 | 35.26 | 47.94 | 58.44 | 68.51 | 81.08 | 94.82 | 106.44 | 118.51 | 131.10 | 13.50 | 5.05 | 5.20 |
| 24 | 21.72 | 38.36 | 52.04 | 63.33 | 74.11 | 87.51 | 102.12 | 114.47 | 127.26 | 140.57 | 14.49 | 5.28 | 5.92 |
| 25 | 23.57 | 41.59 | 56.31 | 68.41 | 79.94 | 94.20 | 109.71 | 122.79 | 136.32 | 150.39 | 15.51 | 5.48 | 6.74 |
| 26 | 25.50 | 44.95 | 60.75 | 73.70 | 85.99 | 101.13 | 117.57 | 131.42 | 145.71 | 160.54 | 16.58 | 5.66 | 7.67 |
| 27 | 27.51 | 48.44 | 65.36 | 79.18 | 92.26 | 108.32 | 125.72 | 140.34 | 155.42 | 171.04 | 17.68 | 5.79 | 8.74 |
| 28 | 29.60 | 52.07 | 70.14 | 84.87 | 98.76 | 115.76 | 134.14 | 149.57 | 165.46 | 181.89 | 18.83 | 5.88 | 9.95 |
| 29 | 31.76 | 55.82 | 75.10 | 90.75 | 105.48 | 123.46 | 142.84 | 159.10 | 175.81 | 193.08 | 20.01 | 5.90 | 11.33 |
| 30 | 34.00 | 59.71 | 80.22 | 96.83 | 112.43 | 131.40 | 151.82 | 168.93 | 186.49 | 204.61 | 21.24 | 5.84 | 12.90 |
| 31 | 36.32 | 63.73 | 85.51 | 103.12 | 119.60 | 139.60 | 161.09 | 179.07 | 197.50 | 216.48 | 22.50 | 5.69 | 14.68 |
| 32 | 38.71 | 67.88 | 90.98 | 109.60 | 127.00 | 148.05 | 170.63 | 189.50 | 208.82 | 228.70 | 23.80 | 5.61 | 16.72 |
| 33 | 41.18 | 72.16 | 96.62 | 116.29 | 134.63 | 156.76 | 180.45 | 200.24 | 220.47 | 241.27 | 25.14 | 5.97 | 19.03 |
| 34 | 43.73 | 76.58 | 102.42 | 123.17 | 142.48 | 165.71 | 190.55 | 211.28 | 232.45 | 254.17 | 26.52 | 6.34 | 21.67 |
| 35 | 46.35 | 81.12 | 108.40 | 130.25 | 150.55 | 174.92 | 200.93 | 222.62 | 244.74 | 267.43 | 27.94 | 6.72 | 24.67 |
| 36 | 49.05 | 85.80 | 114.55 | 137.54 | 158.85 | 184.39 | 211.60 | 234.27 | 257.36 | 281.02 | 29.40 | 7.10 | 28.09 |
| 37 | 51.83 | 90.61 | 120.87 | 145.02 | 167.38 | 194.10 | 222.54 | 246.22 | 270.31 | 294.97 | 30.90 | 7.51 | 31.98 |
| 38 | 54.68 | 95.55 | 127.36 | 152.71 | 176.13 | 204.07 | 233.76 | 258.47 | 283.58 | 309.25 | 32.44 | 7.92 | 36.41 |
| 39 | 57.61 | 100.63 | 134.03 | 160.59 | 185.11 | 214.29 | 245.27 | 271.02 | 297.17 | 323.89 | 34.02 | 8.34 | 41.45 |
| 40 | 60.62 | 105.84 | 140.86 | 168.68 | 194.31 | 224.77 | 257.05 | 283.87 | 311.09 | 338.86 | 35.63 | 8.77 | 47.20 |

Scribner Dec. C bdfv volumes -Spruce, Black- Sawtimber with top pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|--|-----|-----|-----|------|------|------|------|------|------|------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch bdfv* |
| 11 | 20 | 40 | 60 | 80 | 100 | 130 | 160 | 180 | 210 | 240 | 0 | 0 | 10 |
| 12 | 30 | 50 | 80 | 100 | 120 | 150 | 180 | 210 | 240 | 270 | 0 | 0 | 10 |
| 13 | 30 | 60 | 90 | 110 | 130 | 170 | 200 | 230 | 260 | 300 | 0 | 0 | 10 |
| 14 | 40 | 70 | 100 | 130 | 150 | 190 | 220 | 260 | 290 | 330 | 0 | 0 | 10 |
| 15 | 50 | 80 | 110 | 140 | 170 | 210 | 250 | 290 | 320 | 370 | 0 | 0 | 10 |
| 16 | 50 | 90 | 130 | 160 | 190 | 230 | 280 | 320 | 360 | 400 | 0 | 0 | 10 |
| 17 | 60 | 100 | 150 | 180 | 210 | 260 | 310 | 350 | 390 | 440 | 0 | 0 | 10 |
| 18 | 70 | 120 | 160 | 200 | 240 | 280 | 340 | 380 | 430 | 480 | 0 | 0 | 10 |
| 19 | 70 | 130 | 180 | 220 | 260 | 310 | 370 | 420 | 470 | 520 | 0 | 0 | 20 |
| 20 | 80 | 140 | 200 | 240 | 290 | 340 | 400 | 450 | 510 | 570 | 0 | 0 | 20 |
| 21 | 90 | 160 | 220 | 270 | 310 | 370 | 440 | 490 | 550 | 610 | 0 | 0 | 20 |
| 22 | 100 | 170 | 240 | 290 | 340 | 400 | 470 | 530 | 590 | 660 | 0 | 0 | 20 |
| 23 | 110 | 190 | 260 | 320 | 370 | 440 | 510 | 570 | 640 | 710 | 0 | 0 | 30 |
| 24 | 120 | 210 | 280 | 340 | 400 | 470 | 550 | 620 | 690 | 760 | 0 | 0 | 30 |
| 25 | 130 | 220 | 300 | 370 | 430 | 510 | 590 | 660 | 740 | 810 | 0 | 0 | 40 |
| 26 | 140 | 240 | 330 | 400 | 460 | 550 | 630 | 710 | 790 | 870 | 0 | 0 | 40 |
| 27 | 150 | 260 | 350 | 430 | 500 | 580 | 680 | 760 | 840 | 920 | 0 | 0 | 50 |
| 28 | 160 | 280 | 380 | 460 | 530 | 630 | 720 | 810 | 890 | 980 | 0 | 0 | 50 |
| 29 | 170 | 300 | 410 | 490 | 570 | 670 | 770 | 860 | 950 | 1040 | 0 | 0 | 60 |
| 30 | 180 | 320 | 430 | 520 | 610 | 710 | 820 | 910 | 1010 | 1100 | 0 | 0 | 70 |
| 31 | 200 | 340 | 460 | 560 | 650 | 750 | 870 | 970 | 1070 | 1170 | 0 | 0 | 80 |
| 32 | 210 | 370 | 490 | 590 | 690 | 800 | 920 | 1020 | 1130 | 1230 | 0 | 0 | 90 |
| 33 | 220 | 390 | 520 | 630 | 730 | 850 | 970 | 1080 | 1190 | 1300 | 0 | 0 | 100 |
| 34 | 240 | 410 | 550 | 670 | 770 | 890 | 1030 | 1140 | 1260 | 1370 | 0 | 0 | 120 |
| 35 | 250 | 440 | 590 | 700 | 810 | 940 | 1090 | 1200 | 1320 | 1440 | 0 | 0 | 130 |
| 36 | 260 | 460 | 620 | 740 | 860 | 1000 | 1140 | 1270 | 1390 | 1520 | 0 | 0 | 150 |
| 37 | 280 | 490 | 650 | 780 | 900 | 1050 | 1200 | 1330 | 1460 | 1590 | 0 | 0 | 170 |
| 38 | 300 | 520 | 690 | 820 | 950 | 1100 | 1260 | 1400 | 1530 | 1670 | 0 | 0 | 200 |
| 39 | 310 | 540 | 720 | 870 | 1000 | 1160 | 1320 | 1460 | 1600 | 1750 | 0 | 0 | 220 |
| 40 | 330 | 570 | 760 | 910 | 1050 | 1210 | 1390 | 1530 | 1680 | 1830 | 0 | 0 | 250 |

Spruce, white

Cubic foot volume inside bark - Spruce, White - Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.88 | 1.48 | 2.34 | 3.25 | 4.25 | 5.35 | 6.57 | 7.93 | 9.44 | 11.12 | 12.97 | 15.01 | 0.00 |
| 6 | 1.27 | 2.13 | 3.15 | 4.21 | 5.38 | 6.65 | 8.07 | 9.64 | 11.37 | 13.29 | 15.39 | 17.71 | 0.04 |
| 7 | 1.74 | 2.91 | 4.11 | 5.35 | 6.70 | 8.17 | 9.80 | 11.60 | 13.57 | 15.75 | 18.13 | 20.73 | 0.30 |
| 8 | 2.27 | 3.81 | 5.21 | 6.66 | 8.21 | 9.91 | 11.77 | 13.81 | 16.05 | 18.50 | 21.17 | 24.09 | 0.55 |
| 9 | 2.87 | 4.83 | 6.47 | 8.14 | 9.92 | 11.86 | 13.97 | 16.27 | 18.79 | 21.54 | 24.53 | 27.77 | 0.80 |
| 10 | 3.55 | 5.98 | 7.88 | 9.79 | 11.82 | 14.01 | 16.40 | 18.99 | 21.81 | 24.87 | 28.19 | 31.78 | 1.05 |
| 11 | 4.30 | 7.26 | 9.43 | 11.61 | 13.91 | 16.38 | 19.06 | 21.95 | 25.09 | 28.49 | 32.16 | 36.12 | 1.30 |
| 12 | 5.12 | 8.66 | 11.14 | 13.61 | 16.20 | 18.97 | 21.95 | 25.17 | 28.65 | 32.40 | 36.44 | 40.78 | 1.55 |
| 13 | 6.01 | 10.18 | 12.99 | 15.77 | 18.68 | 21.76 | 25.08 | 28.64 | 32.48 | 36.60 | 41.03 | 45.78 | 1.80 |
| 14 | 6.97 | 11.83 | 15.00 | 18.11 | 21.34 | 24.77 | 28.43 | 32.36 | 36.57 | 41.09 | 45.93 | 51.10 | 2.05 |
| 15 | 8.00 | 13.60 | 17.15 | 20.62 | 24.21 | 27.99 | 32.02 | 36.33 | 40.94 | 45.87 | 51.13 | 56.75 | 2.30 |
| 16 | 9.11 | 15.50 | 19.45 | 23.30 | 27.26 | 31.42 | 35.85 | 40.56 | 45.58 | 50.94 | 56.65 | 62.72 | 2.55 |
| 17 | 10.29 | 17.52 | 21.90 | 26.15 | 30.51 | 35.07 | 39.90 | 45.03 | 50.49 | 56.30 | 62.47 | 69.03 | 2.80 |
| 18 | 11.54 | 19.67 | 24.51 | 29.17 | 33.95 | 38.93 | 44.19 | 49.76 | 55.67 | 61.95 | 68.61 | 75.66 | 3.05 |
| 19 | 12.86 | 21.95 | 27.26 | 32.37 | 37.58 | 43.00 | 48.71 | 54.74 | 61.13 | 67.89 | 75.05 | 82.63 | 3.31 |
| 20 | 14.25 | 24.35 | 30.16 | 35.74 | 41.40 | 47.29 | 53.46 | 59.97 | 66.85 | 74.12 | 81.81 | 89.92 | 3.56 |
| 21 | 15.72 | 26.87 | 33.21 | 39.28 | 45.42 | 51.79 | 58.45 | 65.46 | 72.85 | 80.65 | 88.87 | 97.54 | 3.81 |
| 22 | 17.26 | 29.52 | 36.42 | 42.99 | 49.63 | 56.50 | 63.67 | 71.20 | 79.12 | 87.46 | 96.25 | 105.49 | 4.06 |
| 23 | 18.87 | 32.30 | 39.77 | 46.88 | 54.04 | 61.42 | 69.12 | 77.19 | 85.66 | 94.57 | 103.93 | 113.77 | 4.31 |
| 24 | 20.55 | 35.20 | 43.27 | 50.93 | 58.64 | 66.56 | 74.81 | 83.43 | 92.48 | 101.96 | 111.93 | 122.38 | 4.56 |
| 25 | 22.30 | 38.23 | 46.93 | 55.17 | 63.43 | 71.92 | 80.73 | 89.93 | 99.56 | 109.65 | 120.23 | 131.32 | 4.81 |
| 26 | 24.13 | 41.38 | 50.73 | 59.57 | 68.42 | 77.49 | 86.88 | 96.68 | 106.92 | 117.63 | 128.85 | 140.58 | 5.06 |
| 27 | 26.03 | 44.66 | 54.69 | 64.15 | 73.60 | 83.27 | 93.27 | 103.68 | 114.55 | 125.91 | 137.78 | 150.18 | 5.31 |
| 28 | 28.00 | 48.06 | 58.79 | 68.89 | 78.97 | 89.26 | 99.89 | 110.94 | 122.46 | 134.47 | 147.02 | 160.11 | 5.56 |
| 29 | 30.04 | 51.60 | 63.05 | 73.82 | 84.54 | 95.47 | 106.75 | 118.45 | 130.63 | 143.33 | 156.57 | 170.37 | 5.81 |
| 30 | 32.15 | 55.25 | 67.46 | 78.91 | 90.30 | 101.90 | 113.84 | 126.22 | 139.08 | 152.48 | 166.43 | 180.96 | 6.06 |
| 31 | 34.34 | 59.04 | 72.02 | 84.18 | 96.26 | 108.53 | 121.16 | 134.23 | 147.81 | 161.92 | 176.60 | 191.88 | 6.32 |
| 32 | 36.59 | 62.95 | 76.73 | 89.62 | 102.41 | 115.39 | 128.72 | 142.51 | 156.80 | 171.65 | 187.08 | 203.13 | 6.57 |
| 33 | 38.92 | 66.98 | 81.59 | 95.24 | 108.75 | 122.45 | 136.51 | 151.03 | 166.07 | 181.68 | 197.88 | 214.71 | 6.82 |
| 34 | 41.33 | 71.14 | 86.60 | 101.03 | 115.29 | 129.74 | 144.54 | 159.81 | 175.61 | 192.00 | 208.99 | 226.62 | 7.07 |
| 35 | 43.80 | 75.43 | 91.76 | 106.99 | 122.03 | 137.23 | 152.80 | 168.85 | 185.43 | 202.61 | 220.41 | 238.87 | 7.32 |
| 36 | 46.35 | 79.85 | 97.08 | 113.12 | 128.95 | 144.95 | 161.30 | 178.14 | 195.52 | 213.51 | 232.14 | 251.44 | 7.57 |
| 37 | 48.97 | 84.39 | 102.54 | 119.43 | 136.08 | 152.87 | 170.03 | 187.68 | 205.89 | 224.71 | 244.19 | 264.35 | 7.82 |
| 38 | 51.66 | 89.06 | 108.16 | 125.92 | 143.39 | 161.01 | 179.00 | 197.48 | 216.52 | 236.20 | 256.54 | 277.58 | 8.07 |
| 39 | 54.42 | 93.85 | 113.93 | 132.57 | 150.91 | 169.37 | 188.20 | 207.53 | 227.44 | 247.98 | 269.21 | 291.15 | 8.32 |
| 40 | 57.26 | 98.77 | 119.85 | 139.40 | 158.61 | 177.94 | 197.64 | 217.83 | 238.62 | 260.06 | 282.19 | 305.05 | 8.57 |

Cord volume -Spruce, White- Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|------|------|------|------|------|------|------|------|------|------|------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.08 | 0.10 | 0.12 | 0.14 | 0.16 | 0.19 | 0.00 |
| 6 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.08 | 0.10 | 0.12 | 0.14 | 0.17 | 0.19 | 0.22 | 0.00 |
| 7 | 0.02 | 0.04 | 0.05 | 0.07 | 0.08 | 0.10 | 0.12 | 0.15 | 0.17 | 0.20 | 0.23 | 0.26 | 0.00 |
| 8 | 0.03 | 0.05 | 0.07 | 0.08 | 0.10 | 0.13 | 0.15 | 0.17 | 0.20 | 0.23 | 0.27 | 0.30 | 0.01 |
| 9 | 0.04 | 0.06 | 0.08 | 0.10 | 0.13 | 0.15 | 0.18 | 0.21 | 0.24 | 0.27 | 0.31 | 0.35 | 0.01 |
| 10 | 0.04 | 0.08 | 0.10 | 0.12 | 0.15 | 0.18 | 0.21 | 0.24 | 0.28 | 0.31 | 0.36 | 0.40 | 0.01 |
| 11 | 0.05 | 0.09 | 0.12 | 0.15 | 0.18 | 0.21 | 0.24 | 0.28 | 0.32 | 0.36 | 0.41 | 0.46 | 0.02 |
| 12 | 0.06 | 0.11 | 0.14 | 0.17 | 0.21 | 0.24 | 0.28 | 0.32 | 0.36 | 0.41 | 0.46 | 0.52 | 0.02 |
| 13 | 0.08 | 0.13 | 0.16 | 0.20 | 0.24 | 0.28 | 0.32 | 0.36 | 0.41 | 0.46 | 0.52 | 0.58 | 0.02 |
| 14 | 0.09 | 0.15 | 0.19 | 0.23 | 0.27 | 0.31 | 0.36 | 0.41 | 0.46 | 0.52 | 0.58 | 0.65 | 0.03 |
| 15 | 0.10 | 0.17 | 0.22 | 0.26 | 0.31 | 0.35 | 0.41 | 0.46 | 0.52 | 0.58 | 0.65 | 0.72 | 0.03 |
| 16 | 0.12 | 0.20 | 0.25 | 0.29 | 0.35 | 0.40 | 0.45 | 0.51 | 0.58 | 0.64 | 0.72 | 0.79 | 0.03 |
| 17 | 0.13 | 0.22 | 0.28 | 0.33 | 0.39 | 0.44 | 0.51 | 0.57 | 0.64 | 0.71 | 0.79 | 0.87 | 0.04 |
| 18 | 0.15 | 0.25 | 0.31 | 0.37 | 0.43 | 0.49 | 0.56 | 0.63 | 0.70 | 0.78 | 0.87 | 0.96 | 0.04 |
| 19 | 0.16 | 0.28 | 0.35 | 0.41 | 0.48 | 0.54 | 0.62 | 0.69 | 0.77 | 0.86 | 0.95 | 1.05 | 0.04 |
| 20 | 0.18 | 0.31 | 0.38 | 0.45 | 0.52 | 0.60 | 0.68 | 0.76 | 0.85 | 0.94 | 1.04 | 1.14 | 0.05 |
| 21 | 0.20 | 0.34 | 0.42 | 0.50 | 0.58 | 0.66 | 0.74 | 0.83 | 0.92 | 1.02 | 1.13 | 1.23 | 0.05 |
| 22 | 0.22 | 0.37 | 0.46 | 0.54 | 0.63 | 0.72 | 0.81 | 0.90 | 1.00 | 1.11 | 1.22 | 1.34 | 0.05 |
| 23 | 0.24 | 0.41 | 0.50 | 0.59 | 0.68 | 0.78 | 0.88 | 0.98 | 1.08 | 1.20 | 1.32 | 1.44 | 0.05 |
| 24 | 0.26 | 0.45 | 0.55 | 0.64 | 0.74 | 0.84 | 0.95 | 1.06 | 1.17 | 1.29 | 1.42 | 1.55 | 0.06 |
| 25 | 0.28 | 0.48 | 0.59 | 0.70 | 0.80 | 0.91 | 1.02 | 1.14 | 1.26 | 1.39 | 1.52 | 1.66 | 0.06 |
| 26 | 0.31 | 0.52 | 0.64 | 0.75 | 0.87 | 0.98 | 1.10 | 1.22 | 1.35 | 1.49 | 1.63 | 1.78 | 0.06 |
| 27 | 0.33 | 0.57 | 0.69 | 0.81 | 0.93 | 1.05 | 1.18 | 1.31 | 1.45 | 1.59 | 1.74 | 1.90 | 0.07 |
| 28 | 0.35 | 0.61 | 0.74 | 0.87 | 1.00 | 1.13 | 1.26 | 1.40 | 1.55 | 1.70 | 1.86 | 2.03 | 0.07 |
| 29 | 0.38 | 0.65 | 0.80 | 0.93 | 1.07 | 1.21 | 1.35 | 1.50 | 1.65 | 1.81 | 1.98 | 2.16 | 0.07 |
| 30 | 0.41 | 0.70 | 0.85 | 1.00 | 1.14 | 1.29 | 1.44 | 1.60 | 1.76 | 1.93 | 2.11 | 2.29 | 0.08 |
| 31 | 0.43 | 0.75 | 0.91 | 1.07 | 1.22 | 1.37 | 1.53 | 1.70 | 1.87 | 2.05 | 2.24 | 2.43 | 0.08 |
| 32 | 0.46 | 0.80 | 0.97 | 1.13 | 1.30 | 1.46 | 1.63 | 1.80 | 1.99 | 2.17 | 2.37 | 2.57 | 0.08 |
| 33 | 0.49 | 0.85 | 1.03 | 1.21 | 1.38 | 1.55 | 1.73 | 1.91 | 2.10 | 2.30 | 2.51 | 2.72 | 0.09 |
| 34 | 0.52 | 0.90 | 1.10 | 1.28 | 1.46 | 1.64 | 1.83 | 2.02 | 2.22 | 2.43 | 2.65 | 2.87 | 0.09 |
| 35 | 0.55 | 0.95 | 1.16 | 1.35 | 1.54 | 1.74 | 1.93 | 2.14 | 2.35 | 2.57 | 2.79 | 3.02 | 0.09 |
| 36 | 0.59 | 1.01 | 1.23 | 1.43 | 1.63 | 1.84 | 2.04 | 2.26 | 2.48 | 2.70 | 2.94 | 3.18 | 0.10 |
| 37 | 0.62 | 1.07 | 1.30 | 1.51 | 1.72 | 1.94 | 2.15 | 2.38 | 2.61 | 2.84 | 3.09 | 3.35 | 0.10 |
| 38 | 0.65 | 1.13 | 1.37 | 1.59 | 1.82 | 2.04 | 2.27 | 2.50 | 2.74 | 2.99 | 3.25 | 3.51 | 0.10 |
| 39 | 0.69 | 1.19 | 1.44 | 1.68 | 1.91 | 2.14 | 2.38 | 2.63 | 2.88 | 3.14 | 3.41 | 3.69 | 0.11 |
| 40 | 0.72 | 1.25 | 1.52 | 1.76 | 2.01 | 2.25 | 2.50 | 2.76 | 3.02 | 3.29 | 3.57 | 3.86 | 0.11 |

Cubic foot volume inside bark - Spruce, White - Sawtimber trees with topwood pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------|--------------|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch saw* |
| 11 | 4.48 | 8.24 | 11.99 | 15.42 | 18.96 | 23.64 | 28.96 | 33.67 | 38.71 | 44.11 | 4.70 | 2.06 | 1.10 |
| 12 | 5.33 | 9.76 | 14.06 | 17.95 | 21.93 | 27.14 | 33.03 | 38.22 | 43.75 | 49.65 | 5.22 | 2.27 | 1.25 |
| 13 | 6.26 | 11.40 | 16.30 | 20.69 | 25.13 | 30.90 | 37.39 | 43.07 | 49.12 | 55.54 | 5.78 | 2.49 | 1.42 |
| 14 | 7.26 | 13.17 | 18.71 | 23.62 | 28.56 | 34.91 | 42.03 | 48.24 | 54.82 | 61.79 | 6.37 | 2.72 | 1.62 |
| 15 | 8.33 | 15.06 | 21.30 | 26.76 | 32.21 | 39.19 | 46.96 | 53.72 | 60.86 | 68.40 | 7.01 | 2.97 | 1.84 |
| 16 | 9.49 | 17.09 | 24.05 | 30.10 | 36.10 | 43.72 | 52.18 | 59.51 | 67.23 | 75.36 | 7.68 | 3.22 | 2.10 |
| 17 | 10.71 | 19.25 | 26.97 | 33.63 | 40.21 | 48.50 | 57.68 | 65.61 | 73.93 | 82.69 | 8.40 | 3.48 | 2.39 |
| 18 | 12.01 | 21.53 | 30.06 | 37.37 | 44.55 | 53.55 | 63.47 | 72.02 | 80.97 | 90.37 | 9.15 | 3.74 | 2.72 |
| 19 | 13.39 | 23.94 | 33.32 | 41.31 | 49.12 | 58.85 | 69.55 | 78.75 | 88.35 | 98.40 | 9.94 | 4.01 | 3.09 |
| 20 | 14.84 | 26.49 | 36.75 | 45.45 | 53.91 | 64.42 | 75.91 | 85.78 | 96.06 | 106.80 | 10.77 | 4.28 | 3.52 |
| 21 | 16.37 | 29.16 | 40.35 | 49.79 | 58.94 | 70.24 | 82.57 | 93.13 | 104.11 | 115.55 | 11.64 | 4.54 | 4.01 |
| 22 | 17.97 | 31.96 | 44.12 | 54.34 | 64.19 | 76.32 | 89.51 | 100.79 | 112.49 | 124.67 | 12.55 | 4.80 | 4.57 |
| 23 | 19.65 | 34.89 | 48.06 | 59.08 | 69.68 | 82.66 | 96.74 | 108.76 | 121.21 | 134.14 | 13.50 | 5.05 | 5.20 |
| 24 | 21.40 | 37.95 | 52.17 | 64.03 | 75.39 | 89.25 | 104.25 | 117.05 | 130.26 | 143.97 | 14.49 | 5.28 | 5.92 |
| 25 | 23.23 | 41.14 | 56.45 | 69.18 | 81.34 | 96.11 | 112.06 | 125.65 | 139.65 | 154.16 | 15.51 | 5.48 | 6.74 |
| 26 | 25.13 | 44.47 | 60.90 | 74.53 | 87.51 | 103.23 | 120.15 | 134.56 | 149.38 | 164.71 | 16.58 | 5.66 | 7.67 |
| 27 | 27.11 | 47.92 | 65.52 | 80.09 | 93.91 | 110.60 | 128.54 | 143.78 | 159.44 | 175.61 | 17.68 | 5.79 | 8.74 |
| 28 | 29.16 | 51.49 | 70.32 | 85.84 | 100.54 | 118.23 | 137.21 | 153.32 | 169.84 | 186.88 | 18.83 | 5.88 | 9.95 |
| 29 | 31.29 | 55.20 | 75.28 | 91.80 | 107.41 | 126.13 | 146.17 | 163.17 | 180.58 | 198.51 | 20.01 | 5.90 | 11.33 |
| 30 | 33.50 | 59.04 | 80.42 | 97.96 | 114.50 | 134.28 | 155.42 | 173.33 | 191.65 | 210.50 | 21.24 | 5.84 | 12.90 |
| 31 | 35.78 | 63.01 | 85.73 | 104.32 | 121.82 | 142.69 | 164.96 | 183.81 | 203.06 | 222.84 | 22.50 | 5.69 | 14.68 |
| 32 | 38.13 | 67.11 | 91.20 | 110.89 | 129.37 | 151.37 | 174.79 | 194.60 | 214.81 | 235.55 | 23.80 | 5.61 | 16.72 |
| 33 | 40.57 | 71.34 | 96.85 | 117.66 | 137.16 | 160.30 | 184.91 | 205.70 | 226.90 | 248.62 | 25.14 | 5.97 | 19.03 |
| 34 | 43.07 | 75.70 | 102.67 | 124.63 | 145.17 | 169.49 | 195.31 | 217.12 | 239.32 | 262.05 | 26.52 | 6.34 | 21.67 |
| 35 | 45.66 | 80.19 | 108.66 | 131.80 | 153.41 | 178.95 | 206.01 | 228.85 | 252.08 | 275.84 | 27.94 | 6.72 | 24.67 |
| 36 | 48.32 | 84.81 | 114.83 | 139.18 | 161.89 | 188.66 | 217.00 | 240.90 | 265.18 | 289.98 | 29.40 | 7.10 | 28.09 |
| 37 | 51.05 | 89.57 | 121.16 | 146.76 | 170.59 | 198.63 | 228.28 | 253.26 | 278.61 | 304.49 | 30.90 | 7.51 | 31.98 |
| 38 | 53.86 | 94.45 | 127.67 | 154.54 | 179.53 | 208.87 | 239.84 | 265.93 | 292.39 | 319.37 | 32.44 | 7.92 | 36.41 |
| 39 | 56.75 | 99.46 | 134.34 | 162.53 | 188.69 | 219.36 | 251.70 | 278.92 | 306.50 | 334.60 | 34.02 | 8.34 | 41.45 |
| 40 | 59.71 | 104.60 | 141.19 | 170.72 | 198.09 | 230.12 | 263.85 | 292.22 | 320.95 | 350.19 | 35.63 | 8.77 | 47.20 |

Scribner Dec. C bdfv volumes -Spruce, White- Sawtimber with top pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|--|-----|-----|-----|------|------|------|------|------|------|------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch bdfv* |
| 11 | 20 | 40 | 60 | 80 | 100 | 130 | 160 | 180 | 210 | 240 | 0 | 0 | 10 |
| 12 | 30 | 50 | 80 | 100 | 120 | 150 | 180 | 210 | 240 | 270 | 0 | 0 | 10 |
| 13 | 30 | 60 | 90 | 110 | 140 | 170 | 200 | 230 | 270 | 300 | 0 | 0 | 10 |
| 14 | 40 | 70 | 100 | 130 | 150 | 190 | 230 | 260 | 300 | 330 | 0 | 0 | 10 |
| 15 | 50 | 80 | 110 | 140 | 170 | 210 | 250 | 290 | 330 | 370 | 0 | 0 | 10 |
| 16 | 50 | 90 | 130 | 160 | 190 | 240 | 280 | 320 | 360 | 410 | 0 | 0 | 10 |
| 17 | 60 | 100 | 150 | 180 | 220 | 260 | 310 | 350 | 400 | 450 | 0 | 0 | 10 |
| 18 | 60 | 120 | 160 | 200 | 240 | 290 | 340 | 390 | 440 | 490 | 0 | 0 | 10 |
| 19 | 70 | 130 | 180 | 220 | 270 | 320 | 380 | 430 | 480 | 530 | 0 | 0 | 20 |
| 20 | 80 | 140 | 200 | 250 | 290 | 350 | 410 | 460 | 520 | 580 | 0 | 0 | 20 |
| 21 | 90 | 160 | 220 | 270 | 320 | 380 | 450 | 500 | 560 | 620 | 0 | 0 | 20 |
| 22 | 100 | 170 | 240 | 290 | 350 | 410 | 480 | 540 | 610 | 670 | 0 | 0 | 20 |
| 23 | 110 | 190 | 260 | 320 | 380 | 450 | 520 | 590 | 650 | 720 | 0 | 0 | 30 |
| 24 | 120 | 200 | 280 | 350 | 410 | 480 | 560 | 630 | 700 | 780 | 0 | 0 | 30 |
| 25 | 130 | 220 | 300 | 370 | 440 | 520 | 610 | 680 | 750 | 830 | 0 | 0 | 40 |
| 26 | 140 | 240 | 330 | 400 | 470 | 560 | 650 | 730 | 810 | 890 | 0 | 0 | 40 |
| 27 | 150 | 260 | 350 | 430 | 510 | 600 | 690 | 780 | 860 | 950 | 0 | 0 | 50 |
| 28 | 160 | 280 | 380 | 460 | 540 | 640 | 740 | 830 | 920 | 1010 | 0 | 0 | 50 |
| 29 | 170 | 300 | 410 | 500 | 580 | 680 | 790 | 880 | 980 | 1070 | 0 | 0 | 60 |
| 30 | 180 | 320 | 430 | 530 | 620 | 730 | 840 | 940 | 1030 | 1140 | 0 | 0 | 70 |
| 31 | 190 | 340 | 460 | 560 | 660 | 770 | 890 | 990 | 1100 | 1200 | 0 | 0 | 80 |
| 32 | 210 | 360 | 490 | 600 | 700 | 820 | 940 | 1050 | 1160 | 1270 | 0 | 0 | 90 |
| 33 | 220 | 390 | 520 | 640 | 740 | 870 | 1000 | 1110 | 1230 | 1340 | 0 | 0 | 100 |
| 34 | 230 | 410 | 550 | 670 | 780 | 920 | 1050 | 1170 | 1290 | 1420 | 0 | 0 | 120 |
| 35 | 250 | 430 | 590 | 710 | 830 | 970 | 1110 | 1240 | 1360 | 1490 | 0 | 0 | 130 |
| 36 | 260 | 460 | 620 | 750 | 870 | 1020 | 1170 | 1300 | 1430 | 1570 | 0 | 0 | 150 |
| 37 | 280 | 480 | 650 | 790 | 920 | 1070 | 1230 | 1370 | 1500 | 1640 | 0 | 0 | 170 |
| 38 | 290 | 510 | 690 | 830 | 970 | 1130 | 1300 | 1440 | 1580 | 1720 | 0 | 0 | 200 |
| 39 | 310 | 540 | 730 | 880 | 1020 | 1180 | 1360 | 1510 | 1660 | 1810 | 0 | 0 | 220 |
| 40 | 320 | 560 | 760 | 920 | 1070 | 1240 | 1420 | 1580 | 1730 | 1890 | 0 | 0 | 250 |

Tamarack

Cubic foot volume inside bark - Tamarack - Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.88 | 1.44 | 2.23 | 3.09 | 4.05 | 5.14 | 6.37 | 7.75 | 9.31 | 11.06 | 13.00 | 15.15 | 0.00 |
| 6 | 1.27 | 2.08 | 3.05 | 4.08 | 5.22 | 6.50 | 7.94 | 9.56 | 11.37 | 13.38 | 15.61 | 18.07 | 0.04 |
| 7 | 1.74 | 2.85 | 4.01 | 5.23 | 6.58 | 8.08 | 9.76 | 11.63 | 13.71 | 16.01 | 18.55 | 21.34 | 0.30 |
| 8 | 2.27 | 3.74 | 5.12 | 6.56 | 8.13 | 9.88 | 11.81 | 13.96 | 16.33 | 18.94 | 21.81 | 24.94 | 0.55 |
| 9 | 2.87 | 4.75 | 6.38 | 8.06 | 9.88 | 11.89 | 14.10 | 16.55 | 19.23 | 22.18 | 25.39 | 28.90 | 0.80 |
| 10 | 3.55 | 5.88 | 7.79 | 9.73 | 11.82 | 14.12 | 16.63 | 19.39 | 22.42 | 25.72 | 29.31 | 33.20 | 1.05 |
| 11 | 4.30 | 7.14 | 9.34 | 11.57 | 13.96 | 16.56 | 19.40 | 22.50 | 25.88 | 29.56 | 33.54 | 37.85 | 1.30 |
| 12 | 5.12 | 8.52 | 11.05 | 13.59 | 16.30 | 19.23 | 22.41 | 25.87 | 29.63 | 33.70 | 38.10 | 42.84 | 1.55 |
| 13 | 6.01 | 10.02 | 12.90 | 15.78 | 18.83 | 22.11 | 25.66 | 29.51 | 33.67 | 38.15 | 42.99 | 48.19 | 1.80 |
| 14 | 6.97 | 11.64 | 14.91 | 18.15 | 21.56 | 25.21 | 29.15 | 33.40 | 37.98 | 42.91 | 48.20 | 53.88 | 2.05 |
| 15 | 8.00 | 13.38 | 17.06 | 20.68 | 24.48 | 28.53 | 32.88 | 37.56 | 42.58 | 47.97 | 53.74 | 59.92 | 2.30 |
| 16 | 9.11 | 15.25 | 19.36 | 23.39 | 27.60 | 32.07 | 36.85 | 41.97 | 47.46 | 53.34 | 59.61 | 66.30 | 2.55 |
| 17 | 10.29 | 17.24 | 21.82 | 26.28 | 30.91 | 35.82 | 41.06 | 46.66 | 52.63 | 59.01 | 65.81 | 73.04 | 2.80 |
| 18 | 11.54 | 19.36 | 24.42 | 29.33 | 34.42 | 39.80 | 45.51 | 51.60 | 58.08 | 64.99 | 72.33 | 80.12 | 3.05 |
| 19 | 12.86 | 21.60 | 27.17 | 32.56 | 38.13 | 43.99 | 50.21 | 56.81 | 63.82 | 71.27 | 79.18 | 87.56 | 3.31 |
| 20 | 14.25 | 23.96 | 30.07 | 35.97 | 42.04 | 48.41 | 55.14 | 62.27 | 69.84 | 77.86 | 86.36 | 95.34 | 3.56 |
| 21 | 15.72 | 26.44 | 33.12 | 39.55 | 46.14 | 53.04 | 60.31 | 68.01 | 76.15 | 84.76 | 93.86 | 103.47 | 3.81 |
| 22 | 17.26 | 29.05 | 36.33 | 43.30 | 50.44 | 57.89 | 65.73 | 74.00 | 82.74 | 91.96 | 101.69 | 111.95 | 4.06 |
| 23 | 18.87 | 31.78 | 39.68 | 47.23 | 54.94 | 62.96 | 71.39 | 80.26 | 89.61 | 99.47 | 109.86 | 120.79 | 4.31 |
| 24 | 20.55 | 34.63 | 43.18 | 51.33 | 59.63 | 68.26 | 77.29 | 86.79 | 96.78 | 107.29 | 118.35 | 129.97 | 4.56 |
| 25 | 22.30 | 37.61 | 46.84 | 55.61 | 64.52 | 73.77 | 83.43 | 93.57 | 104.22 | 115.41 | 127.17 | 139.50 | 4.81 |
| 26 | 24.13 | 40.72 | 50.64 | 60.06 | 69.61 | 79.50 | 89.82 | 100.62 | 111.96 | 123.85 | 136.31 | 149.38 | 5.06 |
| 27 | 26.03 | 43.94 | 54.60 | 64.69 | 74.90 | 85.45 | 96.44 | 107.94 | 119.98 | 132.59 | 145.79 | 159.62 | 5.31 |
| 28 | 28.00 | 47.29 | 58.70 | 69.49 | 80.39 | 91.62 | 103.31 | 115.52 | 128.28 | 141.63 | 155.60 | 170.20 | 5.56 |
| 29 | 30.04 | 50.77 | 62.96 | 74.47 | 86.07 | 98.01 | 110.42 | 123.36 | 136.87 | 150.99 | 165.73 | 181.13 | 5.81 |
| 30 | 32.15 | 54.36 | 67.37 | 79.62 | 91.95 | 104.63 | 117.78 | 131.47 | 145.75 | 160.65 | 176.20 | 192.42 | 6.06 |
| 31 | 34.34 | 58.09 | 71.92 | 84.95 | 98.03 | 111.46 | 125.37 | 139.84 | 154.91 | 170.62 | 186.99 | 204.06 | 6.32 |
| 32 | 36.59 | 61.93 | 76.63 | 90.45 | 104.31 | 118.51 | 133.21 | 148.48 | 164.36 | 180.90 | 198.12 | 216.05 | 6.57 |
| 33 | 38.92 | 65.90 | 81.49 | 96.12 | 110.78 | 125.79 | 141.29 | 157.38 | 174.10 | 191.49 | 209.57 | 228.39 | 6.82 |
| 34 | 41.33 | 70.00 | 86.51 | 101.98 | 117.46 | 133.28 | 149.62 | 166.55 | 184.12 | 202.38 | 221.36 | 241.08 | 7.07 |
| 35 | 43.80 | 74.22 | 91.67 | 108.00 | 124.33 | 141.00 | 158.19 | 175.98 | 194.43 | 213.58 | 233.47 | 254.12 | 7.32 |
| 36 | 46.35 | 78.56 | 96.98 | 114.21 | 131.40 | 148.94 | 167.00 | 185.67 | 205.03 | 225.10 | 245.92 | 267.52 | 7.57 |
| 37 | 48.97 | 83.03 | 102.45 | 120.58 | 138.67 | 157.10 | 176.05 | 195.64 | 215.91 | 236.92 | 258.69 | 281.26 | 7.82 |
| 38 | 51.66 | 87.62 | 108.07 | 127.14 | 146.14 | 165.48 | 185.35 | 205.86 | 227.08 | 249.05 | 271.80 | 295.36 | 8.07 |
| 39 | 54.42 | 92.33 | 113.83 | 133.87 | 153.80 | 174.08 | 194.89 | 216.35 | 238.54 | 261.49 | 285.24 | 309.82 | 8.32 |
| 40 | 57.26 | 97.17 | 119.75 | 140.77 | 161.67 | 182.90 | 204.67 | 227.11 | 250.28 | 274.23 | 299.00 | 324.62 | 8.57 |

Cord volume -Tamarack- Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|------|------|------|------|------|------|------|------|------|------|------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.08 | 0.10 | 0.12 | 0.14 | 0.16 | 0.19 | 0.00 |
| 6 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.08 | 0.10 | 0.12 | 0.14 | 0.17 | 0.20 | 0.23 | 0.00 |
| 7 | 0.02 | 0.04 | 0.05 | 0.07 | 0.08 | 0.10 | 0.12 | 0.15 | 0.17 | 0.20 | 0.23 | 0.27 | 0.00 |
| 8 | 0.03 | 0.05 | 0.06 | 0.08 | 0.10 | 0.13 | 0.15 | 0.18 | 0.21 | 0.24 | 0.28 | 0.32 | 0.01 |
| 9 | 0.04 | 0.06 | 0.08 | 0.10 | 0.13 | 0.15 | 0.18 | 0.21 | 0.24 | 0.28 | 0.32 | 0.37 | 0.01 |
| 10 | 0.04 | 0.07 | 0.10 | 0.12 | 0.15 | 0.18 | 0.21 | 0.25 | 0.28 | 0.33 | 0.37 | 0.42 | 0.01 |
| 11 | 0.05 | 0.09 | 0.12 | 0.15 | 0.18 | 0.21 | 0.25 | 0.28 | 0.33 | 0.37 | 0.42 | 0.48 | 0.02 |
| 12 | 0.06 | 0.11 | 0.14 | 0.17 | 0.21 | 0.24 | 0.28 | 0.33 | 0.38 | 0.43 | 0.48 | 0.54 | 0.02 |
| 13 | 0.08 | 0.13 | 0.16 | 0.20 | 0.24 | 0.28 | 0.32 | 0.37 | 0.43 | 0.48 | 0.54 | 0.61 | 0.02 |
| 14 | 0.09 | 0.15 | 0.19 | 0.23 | 0.27 | 0.32 | 0.37 | 0.42 | 0.48 | 0.54 | 0.61 | 0.68 | 0.03 |
| 15 | 0.10 | 0.17 | 0.22 | 0.26 | 0.31 | 0.36 | 0.42 | 0.48 | 0.54 | 0.61 | 0.68 | 0.76 | 0.03 |
| 16 | 0.12 | 0.19 | 0.25 | 0.30 | 0.35 | 0.41 | 0.47 | 0.53 | 0.60 | 0.68 | 0.75 | 0.84 | 0.03 |
| 17 | 0.13 | 0.22 | 0.28 | 0.33 | 0.39 | 0.45 | 0.52 | 0.59 | 0.67 | 0.75 | 0.83 | 0.92 | 0.04 |
| 18 | 0.15 | 0.25 | 0.31 | 0.37 | 0.44 | 0.50 | 0.58 | 0.65 | 0.74 | 0.82 | 0.92 | 1.01 | 0.04 |
| 19 | 0.16 | 0.27 | 0.34 | 0.41 | 0.48 | 0.56 | 0.64 | 0.72 | 0.81 | 0.90 | 1.00 | 1.11 | 0.04 |
| 20 | 0.18 | 0.30 | 0.38 | 0.46 | 0.53 | 0.61 | 0.70 | 0.79 | 0.88 | 0.99 | 1.09 | 1.21 | 0.05 |
| 21 | 0.20 | 0.33 | 0.42 | 0.50 | 0.58 | 0.67 | 0.76 | 0.86 | 0.96 | 1.07 | 1.19 | 1.31 | 0.05 |
| 22 | 0.22 | 0.37 | 0.46 | 0.55 | 0.64 | 0.73 | 0.83 | 0.94 | 1.05 | 1.16 | 1.29 | 1.42 | 0.05 |
| 23 | 0.24 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.02 | 1.13 | 1.26 | 1.39 | 1.53 | 0.05 |
| 24 | 0.26 | 0.44 | 0.55 | 0.65 | 0.75 | 0.86 | 0.98 | 1.10 | 1.23 | 1.36 | 1.50 | 1.65 | 0.06 |
| 25 | 0.28 | 0.48 | 0.59 | 0.70 | 0.82 | 0.93 | 1.06 | 1.18 | 1.32 | 1.46 | 1.61 | 1.77 | 0.06 |
| 26 | 0.31 | 0.52 | 0.64 | 0.76 | 0.88 | 1.01 | 1.14 | 1.27 | 1.42 | 1.57 | 1.73 | 1.89 | 0.06 |
| 27 | 0.33 | 0.56 | 0.69 | 0.82 | 0.95 | 1.08 | 1.22 | 1.37 | 1.52 | 1.68 | 1.85 | 2.02 | 0.07 |
| 28 | 0.35 | 0.60 | 0.74 | 0.88 | 1.02 | 1.16 | 1.31 | 1.46 | 1.62 | 1.79 | 1.97 | 2.15 | 0.07 |
| 29 | 0.38 | 0.64 | 0.80 | 0.94 | 1.09 | 1.24 | 1.40 | 1.56 | 1.73 | 1.91 | 2.10 | 2.29 | 0.07 |
| 30 | 0.41 | 0.69 | 0.85 | 1.01 | 1.16 | 1.32 | 1.49 | 1.66 | 1.85 | 2.03 | 2.23 | 2.44 | 0.08 |
| 31 | 0.43 | 0.74 | 0.91 | 1.08 | 1.24 | 1.41 | 1.59 | 1.77 | 1.96 | 2.16 | 2.37 | 2.58 | 0.08 |
| 32 | 0.46 | 0.78 | 0.97 | 1.15 | 1.32 | 1.50 | 1.69 | 1.88 | 2.08 | 2.29 | 2.51 | 2.74 | 0.08 |
| 33 | 0.49 | 0.83 | 1.03 | 1.22 | 1.40 | 1.59 | 1.79 | 1.99 | 2.20 | 2.42 | 2.65 | 2.89 | 0.09 |
| 34 | 0.52 | 0.89 | 1.10 | 1.29 | 1.49 | 1.69 | 1.89 | 2.11 | 2.33 | 2.56 | 2.80 | 3.05 | 0.09 |
| 35 | 0.55 | 0.94 | 1.16 | 1.37 | 1.57 | 1.79 | 2.00 | 2.23 | 2.46 | 2.70 | 2.96 | 3.22 | 0.09 |
| 36 | 0.59 | 0.99 | 1.23 | 1.45 | 1.66 | 1.89 | 2.11 | 2.35 | 2.60 | 2.85 | 3.11 | 3.39 | 0.10 |
| 37 | 0.62 | 1.05 | 1.30 | 1.53 | 1.76 | 1.99 | 2.23 | 2.48 | 2.73 | 3.00 | 3.28 | 3.56 | 0.10 |
| 38 | 0.65 | 1.11 | 1.37 | 1.61 | 1.85 | 2.09 | 2.35 | 2.61 | 2.87 | 3.15 | 3.44 | 3.74 | 0.10 |
| 39 | 0.69 | 1.17 | 1.44 | 1.69 | 1.95 | 2.20 | 2.47 | 2.74 | 3.02 | 3.31 | 3.61 | 3.92 | 0.11 |
| 40 | 0.72 | 1.23 | 1.52 | 1.78 | 2.05 | 2.32 | 2.59 | 2.88 | 3.17 | 3.47 | 3.79 | 4.11 | 0.11 |

Cubic foot volume inside bark - Tamarack - Sawtimber trees with topwood pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------|--------------|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch saw* |
| 11 | 4.51 | 8.25 | 11.81 | 15.11 | 18.52 | 22.96 | 28.02 | 32.50 | 37.29 | 42.40 | 4.58 | 2.05 | 1.10 |
| 12 | 5.37 | 9.78 | 13.89 | 17.66 | 21.50 | 26.47 | 32.10 | 37.06 | 42.34 | 47.95 | 5.11 | 2.25 | 1.25 |
| 13 | 6.31 | 11.44 | 16.15 | 20.41 | 24.72 | 30.25 | 36.47 | 41.94 | 47.73 | 53.87 | 5.68 | 2.47 | 1.42 |
| 14 | 7.32 | 13.24 | 18.58 | 23.37 | 28.18 | 34.30 | 41.14 | 47.14 | 53.47 | 60.16 | 6.29 | 2.70 | 1.62 |
| 15 | 8.41 | 15.17 | 21.19 | 26.54 | 31.87 | 38.60 | 46.11 | 52.66 | 59.55 | 66.81 | 6.94 | 2.94 | 1.84 |
| 16 | 9.57 | 17.24 | 23.97 | 29.91 | 35.79 | 43.17 | 51.37 | 58.50 | 65.98 | 73.84 | 7.63 | 3.19 | 2.10 |
| 17 | 10.81 | 19.43 | 26.92 | 33.49 | 39.95 | 48.01 | 56.92 | 64.66 | 72.75 | 81.23 | 8.36 | 3.44 | 2.39 |
| 18 | 12.13 | 21.76 | 30.05 | 37.27 | 44.34 | 53.11 | 62.77 | 71.14 | 79.87 | 89.00 | 9.13 | 3.70 | 2.72 |
| 19 | 13.52 | 24.22 | 33.35 | 41.27 | 48.97 | 58.48 | 68.92 | 77.94 | 87.33 | 97.13 | 9.94 | 3.97 | 3.09 |
| 20 | 14.99 | 26.81 | 36.83 | 45.46 | 53.84 | 64.11 | 75.36 | 85.07 | 95.14 | 105.63 | 10.79 | 4.23 | 3.52 |
| 21 | 16.53 | 29.54 | 40.48 | 49.87 | 58.94 | 70.01 | 82.10 | 92.51 | 103.29 | 114.51 | 11.69 | 4.49 | 4.01 |
| 22 | 18.15 | 32.40 | 44.30 | 54.48 | 64.27 | 76.18 | 89.13 | 100.28 | 111.80 | 123.75 | 12.62 | 4.75 | 4.57 |
| 23 | 19.85 | 35.39 | 48.30 | 59.30 | 69.84 | 82.61 | 96.47 | 108.37 | 120.65 | 133.37 | 13.60 | 4.99 | 5.20 |
| 24 | 21.62 | 38.52 | 52.48 | 64.32 | 75.65 | 89.31 | 104.09 | 116.78 | 129.84 | 143.35 | 14.61 | 5.21 | 5.92 |
| 25 | 23.47 | 41.78 | 56.82 | 69.55 | 81.69 | 96.27 | 112.02 | 125.51 | 139.38 | 153.71 | 15.67 | 5.41 | 6.74 |
| 26 | 25.40 | 45.17 | 61.35 | 74.99 | 87.96 | 103.50 | 120.24 | 134.57 | 149.27 | 164.43 | 16.77 | 5.58 | 7.67 |
| 27 | 27.40 | 48.70 | 66.05 | 80.64 | 94.48 | 110.99 | 128.76 | 143.94 | 159.51 | 175.53 | 17.91 | 5.71 | 8.74 |
| 28 | 29.48 | 52.35 | 70.92 | 86.50 | 101.23 | 118.76 | 137.58 | 153.65 | 170.09 | 187.00 | 19.09 | 5.79 | 9.95 |
| 29 | 31.64 | 56.15 | 75.97 | 92.56 | 108.21 | 126.79 | 146.69 | 163.67 | 181.02 | 198.84 | 20.31 | 5.80 | 11.33 |
| 30 | 33.87 | 60.07 | 81.19 | 98.83 | 115.44 | 135.08 | 156.10 | 174.02 | 192.30 | 211.05 | 21.57 | 5.74 | 12.90 |
| 31 | 36.18 | 64.13 | 86.59 | 105.31 | 122.89 | 143.65 | 165.81 | 184.68 | 203.92 | 223.64 | 22.87 | 5.58 | 14.68 |
| 32 | 38.57 | 68.33 | 92.16 | 111.99 | 130.59 | 152.48 | 175.81 | 195.68 | 215.90 | 236.59 | 24.22 | 5.50 | 16.72 |
| 33 | 41.03 | 72.65 | 97.91 | 118.89 | 138.52 | 161.57 | 186.12 | 206.99 | 228.22 | 249.92 | 25.60 | 5.85 | 19.03 |
| 34 | 43.57 | 77.11 | 103.83 | 125.99 | 146.69 | 170.94 | 196.72 | 218.63 | 240.89 | 263.62 | 27.03 | 6.20 | 21.67 |
| 35 | 46.19 | 81.71 | 109.93 | 133.30 | 155.10 | 180.57 | 207.62 | 230.59 | 253.91 | 277.69 | 28.50 | 6.58 | 24.67 |
| 36 | 48.88 | 86.44 | 116.21 | 140.81 | 163.74 | 190.47 | 218.82 | 242.88 | 267.27 | 292.14 | 30.00 | 6.96 | 28.09 |
| 37 | 51.65 | 91.30 | 122.66 | 148.54 | 172.62 | 200.64 | 230.31 | 255.49 | 280.99 | 306.96 | 31.55 | 7.35 | 31.98 |
| 38 | 54.50 | 96.30 | 129.29 | 156.47 | 181.73 | 211.07 | 242.11 | 268.42 | 295.05 | 322.15 | 33.14 | 7.75 | 36.41 |
| 39 | 57.42 | 101.43 | 136.09 | 164.62 | 191.09 | 221.78 | 254.20 | 281.68 | 309.46 | 337.71 | 34.78 | 8.16 | 41.45 |
| 40 | 60.42 | 106.69 | 143.07 | 172.97 | 200.68 | 232.75 | 266.59 | 295.26 | 324.22 | 353.64 | 36.45 | 8.59 | 47.20 |

Scribner Dec. C bdfv volumes -Tamarack- Sawtimber with top pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|--|-----|-----|-----|------|------|------|------|------|------|------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch bdfv* |
| 11 | 20 | 40 | 60 | 80 | 100 | 120 | 150 | 180 | 200 | 230 | 0 | 0 | 10 |
| 12 | 30 | 50 | 80 | 100 | 120 | 140 | 170 | 200 | 230 | 260 | 0 | 0 | 10 |
| 13 | 30 | 60 | 90 | 110 | 130 | 160 | 200 | 230 | 260 | 290 | 0 | 0 | 10 |
| 14 | 40 | 70 | 100 | 130 | 150 | 190 | 220 | 250 | 290 | 320 | 0 | 0 | 10 |
| 15 | 50 | 80 | 110 | 140 | 170 | 210 | 250 | 280 | 320 | 360 | 0 | 0 | 10 |
| 16 | 50 | 90 | 130 | 160 | 190 | 230 | 280 | 320 | 360 | 400 | 0 | 0 | 10 |
| 17 | 60 | 100 | 150 | 180 | 220 | 260 | 310 | 350 | 390 | 440 | 0 | 0 | 10 |
| 18 | 70 | 120 | 160 | 200 | 240 | 290 | 340 | 380 | 430 | 480 | 0 | 0 | 10 |
| 19 | 70 | 130 | 180 | 220 | 260 | 320 | 370 | 420 | 470 | 520 | 0 | 0 | 20 |
| 20 | 80 | 140 | 200 | 250 | 290 | 350 | 410 | 460 | 510 | 570 | 0 | 0 | 20 |
| 21 | 90 | 160 | 220 | 270 | 320 | 380 | 440 | 500 | 560 | 620 | 0 | 0 | 20 |
| 22 | 100 | 170 | 240 | 290 | 350 | 410 | 480 | 540 | 600 | 670 | 0 | 0 | 20 |
| 23 | 110 | 190 | 260 | 320 | 380 | 450 | 520 | 590 | 650 | 720 | 0 | 0 | 30 |
| 24 | 120 | 210 | 280 | 350 | 410 | 480 | 560 | 630 | 700 | 770 | 0 | 0 | 30 |
| 25 | 130 | 230 | 310 | 380 | 440 | 520 | 600 | 680 | 750 | 830 | 0 | 0 | 40 |
| 26 | 140 | 240 | 330 | 400 | 480 | 560 | 650 | 730 | 810 | 890 | 0 | 0 | 40 |
| 27 | 150 | 260 | 360 | 440 | 510 | 600 | 700 | 780 | 860 | 950 | 0 | 0 | 50 |
| 28 | 160 | 280 | 380 | 470 | 550 | 640 | 740 | 830 | 920 | 1010 | 0 | 0 | 50 |
| 29 | 170 | 300 | 410 | 500 | 580 | 680 | 790 | 880 | 980 | 1070 | 0 | 0 | 60 |
| 30 | 180 | 320 | 440 | 530 | 620 | 730 | 840 | 940 | 1040 | 1140 | 0 | 0 | 70 |
| 31 | 200 | 350 | 470 | 570 | 660 | 780 | 900 | 1000 | 1100 | 1210 | 0 | 0 | 80 |
| 32 | 210 | 370 | 500 | 600 | 710 | 820 | 950 | 1060 | 1170 | 1280 | 0 | 0 | 90 |
| 33 | 220 | 390 | 530 | 640 | 750 | 870 | 1010 | 1120 | 1230 | 1350 | 0 | 0 | 100 |
| 34 | 240 | 420 | 560 | 680 | 790 | 920 | 1060 | 1180 | 1300 | 1420 | 0 | 0 | 120 |
| 35 | 250 | 440 | 590 | 720 | 840 | 980 | 1120 | 1250 | 1370 | 1500 | 0 | 0 | 130 |
| 36 | 260 | 470 | 630 | 760 | 880 | 1030 | 1180 | 1310 | 1440 | 1580 | 0 | 0 | 150 |
| 37 | 280 | 490 | 660 | 800 | 930 | 1080 | 1240 | 1380 | 1520 | 1660 | 0 | 0 | 170 |
| 38 | 290 | 520 | 700 | 840 | 980 | 1140 | 1310 | 1450 | 1590 | 1740 | 0 | 0 | 200 |
| 39 | 310 | 550 | 730 | 890 | 1030 | 1200 | 1370 | 1520 | 1670 | 1820 | 0 | 0 | 220 |
| 40 | 330 | 580 | 770 | 930 | 1080 | 1260 | 1440 | 1590 | 1750 | 1910 | 0 | 0 | 250 |

Softwoods

Ash, white

Cubic foot volume inside bark -Ash, White-Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.88 | 1.42 | 2.23 | 3.09 | 4.07 | 5.19 | 6.46 | 7.89 | 9.52 | 11.33 | 13.36 | 15.62 | 0.00 |
| 6 | 1.27 | 2.06 | 3.05 | 4.09 | 5.26 | 6.59 | 8.09 | 9.77 | 11.66 | 13.77 | 16.11 | 18.69 | 0.08 |
| 7 | 1.74 | 2.82 | 4.02 | 5.26 | 6.65 | 8.21 | 9.97 | 11.92 | 14.10 | 16.52 | 19.19 | 22.12 | 0.27 |
| 8 | 2.27 | 3.70 | 5.13 | 6.61 | 8.24 | 10.06 | 12.09 | 14.34 | 16.83 | 19.58 | 22.61 | 25.91 | 0.47 |
| 9 | 2.87 | 4.70 | 6.40 | 8.13 | 10.03 | 12.13 | 14.46 | 17.03 | 19.86 | 22.97 | 26.36 | 30.07 | 0.66 |
| 10 | 3.55 | 5.83 | 7.82 | 9.83 | 12.01 | 14.42 | 17.07 | 19.99 | 23.18 | 26.67 | 30.46 | 34.59 | 0.86 |
| 11 | 4.30 | 7.07 | 9.38 | 11.70 | 14.20 | 16.93 | 19.93 | 23.21 | 26.79 | 30.68 | 34.90 | 39.47 | 1.05 |
| 12 | 5.12 | 8.43 | 11.10 | 13.74 | 16.58 | 19.67 | 23.04 | 26.71 | 30.70 | 35.02 | 39.68 | 44.71 | 1.25 |
| 13 | 6.01 | 9.92 | 12.96 | 15.96 | 19.16 | 22.63 | 26.40 | 30.48 | 34.90 | 39.67 | 44.80 | 50.32 | 1.45 |
| 14 | 6.97 | 11.53 | 14.98 | 18.36 | 21.95 | 25.82 | 30.00 | 34.52 | 39.39 | 44.64 | 50.26 | 56.30 | 1.64 |
| 15 | 8.00 | 13.26 | 17.15 | 20.93 | 24.93 | 29.23 | 33.85 | 38.83 | 44.18 | 49.92 | 56.07 | 62.64 | 1.84 |
| 16 | 9.11 | 15.11 | 19.46 | 23.68 | 28.11 | 32.86 | 37.95 | 43.42 | 49.27 | 55.53 | 62.21 | 69.34 | 2.03 |
| 17 | 10.29 | 17.08 | 21.93 | 26.60 | 31.50 | 36.72 | 42.30 | 48.27 | 54.65 | 61.45 | 68.70 | 76.41 | 2.23 |
| 18 | 11.54 | 19.18 | 24.55 | 29.70 | 35.08 | 40.80 | 46.90 | 53.40 | 60.32 | 67.70 | 75.53 | 83.84 | 2.42 |
| 19 | 12.86 | 21.40 | 27.32 | 32.97 | 38.87 | 45.11 | 51.74 | 58.80 | 66.30 | 74.26 | 82.70 | 91.64 | 2.62 |
| 20 | 14.25 | 23.73 | 30.24 | 36.43 | 42.85 | 49.64 | 56.84 | 64.47 | 72.56 | 81.14 | 90.22 | 99.81 | 2.82 |
| 21 | 15.72 | 26.20 | 33.31 | 40.05 | 47.04 | 54.40 | 62.18 | 70.41 | 79.13 | 88.34 | 98.07 | 108.34 | 3.01 |
| 22 | 17.26 | 28.78 | 36.53 | 43.86 | 51.43 | 59.38 | 67.77 | 76.63 | 85.99 | 95.86 | 106.28 | 117.24 | 3.21 |
| 23 | 18.87 | 31.49 | 39.90 | 47.84 | 56.02 | 64.59 | 73.61 | 83.12 | 93.15 | 103.70 | 114.82 | 126.51 | 3.40 |
| 24 | 20.55 | 34.32 | 43.43 | 52.00 | 60.81 | 70.02 | 79.70 | 89.89 | 100.60 | 111.87 | 123.71 | 136.14 | 3.60 |
| 25 | 22.30 | 37.27 | 47.10 | 56.33 | 65.80 | 75.68 | 86.04 | 96.92 | 108.35 | 120.35 | 132.94 | 146.14 | 3.79 |
| 26 | 24.13 | 40.34 | 50.93 | 60.85 | 70.99 | 81.56 | 92.63 | 104.23 | 116.40 | 129.15 | 142.51 | 156.51 | 3.99 |
| 27 | 26.03 | 43.54 | 54.91 | 65.54 | 76.39 | 87.67 | 99.47 | 111.82 | 124.74 | 138.27 | 152.43 | 167.24 | 4.19 |
| 28 | 28.00 | 46.86 | 59.04 | 70.40 | 81.98 | 94.01 | 106.56 | 119.67 | 133.38 | 147.72 | 162.70 | 178.34 | 4.38 |
| 29 | 30.04 | 50.30 | 63.32 | 75.45 | 87.78 | 100.57 | 113.90 | 127.81 | 142.32 | 157.48 | 173.30 | 189.81 | 4.58 |
| 30 | 32.15 | 53.87 | 67.76 | 80.67 | 93.78 | 107.36 | 121.49 | 136.21 | 151.56 | 167.57 | 184.26 | 201.65 | 4.77 |
| 31 | 34.34 | 57.56 | 72.34 | 86.07 | 99.98 | 114.38 | 129.33 | 144.89 | 161.10 | 177.97 | 195.55 | 213.86 | 4.97 |
| 32 | 36.59 | 61.37 | 77.08 | 91.64 | 106.39 | 121.62 | 137.42 | 153.84 | 170.93 | 188.70 | 207.20 | 226.43 | 5.16 |
| 33 | 38.92 | 65.31 | 81.97 | 97.39 | 113.00 | 129.08 | 145.76 | 163.07 | 181.06 | 199.75 | 219.18 | 239.37 | 5.36 |
| 34 | 41.33 | 69.36 | 87.01 | 103.33 | 119.81 | 136.78 | 154.35 | 172.57 | 191.49 | 211.12 | 231.51 | 252.68 | 5.56 |
| 35 | 43.80 | 73.54 | 92.21 | 109.43 | 126.82 | 144.70 | 163.19 | 182.35 | 202.21 | 222.82 | 244.19 | 266.36 | 5.75 |
| 36 | 46.35 | 77.85 | 97.55 | 115.72 | 134.03 | 152.85 | 172.28 | 192.40 | 213.24 | 234.83 | 257.21 | 280.41 | 5.95 |
| 37 | 48.97 | 82.28 | 103.05 | 122.19 | 141.45 | 161.22 | 181.63 | 202.72 | 224.56 | 247.17 | 270.58 | 294.82 | 6.14 |
| 38 | 51.66 | 86.83 | 108.70 | 128.83 | 149.07 | 169.82 | 191.22 | 213.33 | 236.18 | 259.83 | 284.29 | 309.61 | 6.34 |
| 39 | 54.42 | 91.50 | 114.50 | 135.65 | 156.89 | 178.65 | 201.06 | 224.20 | 248.10 | 272.81 | 298.35 | 324.76 | 6.53 |
| 40 | 57.26 | 96.30 | 120.46 | 142.65 | 164.91 | 187.70 | 211.16 | 235.35 | 260.32 | 286.11 | 312.76 | 340.29 | 6.73 |

Cord volume -Ash, White-Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|------|------|------|------|------|------|------|------|------|------|------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.08 | 0.10 | 0.12 | 0.14 | 0.17 | 0.20 | 0.00 |
| 6 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.08 | 0.10 | 0.12 | 0.15 | 0.17 | 0.20 | 0.24 | 0.00 |
| 7 | 0.02 | 0.04 | 0.05 | 0.07 | 0.08 | 0.10 | 0.13 | 0.15 | 0.18 | 0.21 | 0.24 | 0.28 | 0.00 |
| 8 | 0.03 | 0.05 | 0.06 | 0.08 | 0.10 | 0.13 | 0.15 | 0.18 | 0.21 | 0.25 | 0.29 | 0.33 | 0.01 |
| 9 | 0.04 | 0.06 | 0.08 | 0.10 | 0.13 | 0.15 | 0.18 | 0.22 | 0.25 | 0.29 | 0.33 | 0.38 | 0.01 |
| 10 | 0.04 | 0.07 | 0.10 | 0.12 | 0.15 | 0.18 | 0.22 | 0.25 | 0.29 | 0.34 | 0.39 | 0.44 | 0.01 |
| 11 | 0.05 | 0.09 | 0.12 | 0.15 | 0.18 | 0.21 | 0.25 | 0.29 | 0.34 | 0.39 | 0.44 | 0.50 | 0.01 |
| 12 | 0.06 | 0.11 | 0.14 | 0.17 | 0.21 | 0.25 | 0.29 | 0.34 | 0.39 | 0.44 | 0.50 | 0.57 | 0.02 |
| 13 | 0.08 | 0.13 | 0.16 | 0.20 | 0.24 | 0.29 | 0.33 | 0.39 | 0.44 | 0.50 | 0.57 | 0.64 | 0.02 |
| 14 | 0.09 | 0.15 | 0.19 | 0.23 | 0.28 | 0.33 | 0.38 | 0.44 | 0.50 | 0.57 | 0.64 | 0.71 | 0.02 |
| 15 | 0.10 | 0.17 | 0.22 | 0.26 | 0.32 | 0.37 | 0.43 | 0.49 | 0.56 | 0.63 | 0.71 | 0.79 | 0.02 |
| 16 | 0.12 | 0.19 | 0.25 | 0.30 | 0.36 | 0.42 | 0.48 | 0.55 | 0.62 | 0.70 | 0.79 | 0.88 | 0.03 |
| 17 | 0.13 | 0.22 | 0.28 | 0.34 | 0.40 | 0.46 | 0.54 | 0.61 | 0.69 | 0.78 | 0.87 | 0.97 | 0.03 |
| 18 | 0.15 | 0.24 | 0.31 | 0.38 | 0.44 | 0.52 | 0.59 | 0.68 | 0.76 | 0.86 | 0.96 | 1.06 | 0.03 |
| 19 | 0.16 | 0.27 | 0.35 | 0.42 | 0.49 | 0.57 | 0.66 | 0.74 | 0.84 | 0.94 | 1.05 | 1.16 | 0.03 |
| 20 | 0.18 | 0.30 | 0.38 | 0.46 | 0.54 | 0.63 | 0.72 | 0.82 | 0.92 | 1.03 | 1.14 | 1.26 | 0.04 |
| 21 | 0.20 | 0.33 | 0.42 | 0.51 | 0.60 | 0.69 | 0.79 | 0.89 | 1.00 | 1.12 | 1.24 | 1.37 | 0.04 |
| 22 | 0.22 | 0.36 | 0.46 | 0.56 | 0.65 | 0.75 | 0.86 | 0.97 | 1.09 | 1.21 | 1.35 | 1.48 | 0.04 |
| 23 | 0.24 | 0.40 | 0.51 | 0.61 | 0.71 | 0.82 | 0.93 | 1.05 | 1.18 | 1.31 | 1.45 | 1.60 | 0.04 |
| 24 | 0.26 | 0.43 | 0.55 | 0.66 | 0.77 | 0.89 | 1.01 | 1.14 | 1.27 | 1.42 | 1.57 | 1.72 | 0.05 |
| 25 | 0.28 | 0.47 | 0.60 | 0.71 | 0.83 | 0.96 | 1.09 | 1.23 | 1.37 | 1.52 | 1.68 | 1.85 | 0.05 |
| 26 | 0.31 | 0.51 | 0.64 | 0.77 | 0.90 | 1.03 | 1.17 | 1.32 | 1.47 | 1.64 | 1.80 | 1.98 | 0.05 |
| 27 | 0.33 | 0.55 | 0.70 | 0.83 | 0.97 | 1.11 | 1.26 | 1.42 | 1.58 | 1.75 | 1.93 | 2.12 | 0.05 |
| 28 | 0.35 | 0.59 | 0.75 | 0.89 | 1.04 | 1.19 | 1.35 | 1.52 | 1.69 | 1.87 | 2.06 | 2.26 | 0.06 |
| 29 | 0.38 | 0.64 | 0.80 | 0.96 | 1.11 | 1.27 | 1.44 | 1.62 | 1.80 | 1.99 | 2.19 | 2.40 | 0.06 |
| 30 | 0.41 | 0.68 | 0.86 | 1.02 | 1.19 | 1.36 | 1.54 | 1.72 | 1.92 | 2.12 | 2.33 | 2.55 | 0.06 |
| 31 | 0.43 | 0.73 | 0.92 | 1.09 | 1.27 | 1.45 | 1.64 | 1.83 | 2.04 | 2.25 | 2.48 | 2.71 | 0.06 |
| 32 | 0.46 | 0.78 | 0.98 | 1.16 | 1.35 | 1.54 | 1.74 | 1.95 | 2.16 | 2.39 | 2.62 | 2.87 | 0.07 |
| 33 | 0.49 | 0.83 | 1.04 | 1.23 | 1.43 | 1.63 | 1.85 | 2.06 | 2.29 | 2.53 | 2.77 | 3.03 | 0.07 |
| 34 | 0.52 | 0.88 | 1.10 | 1.31 | 1.52 | 1.73 | 1.95 | 2.18 | 2.42 | 2.67 | 2.93 | 3.20 | 0.07 |
| 35 | 0.55 | 0.93 | 1.17 | 1.39 | 1.61 | 1.83 | 2.07 | 2.31 | 2.56 | 2.82 | 3.09 | 3.37 | 0.07 |
| 36 | 0.59 | 0.99 | 1.24 | 1.47 | 1.70 | 1.94 | 2.18 | 2.44 | 2.70 | 2.97 | 3.26 | 3.55 | 0.08 |
| 37 | 0.62 | 1.04 | 1.30 | 1.55 | 1.79 | 2.04 | 2.30 | 2.57 | 2.84 | 3.13 | 3.43 | 3.73 | 0.08 |
| 38 | 0.65 | 1.10 | 1.38 | 1.63 | 1.89 | 2.15 | 2.42 | 2.70 | 2.99 | 3.29 | 3.60 | 3.92 | 0.08 |
| 39 | 0.69 | 1.16 | 1.45 | 1.72 | 1.99 | 2.26 | 2.55 | 2.84 | 3.14 | 3.45 | 3.78 | 4.11 | 0.08 |
| 40 | 0.72 | 1.22 | 1.53 | 1.81 | 2.09 | 2.38 | 2.67 | 2.98 | 3.30 | 3.62 | 3.96 | 4.31 | 0.09 |

Cubic foot volume inside bark -Ash, White- Sawtimber trees with topwood pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10" DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------|--------------|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch saw* |
| 11 | 4.55 | 8.32 | 11.94 | 15.39 | 18.96 | 23.57 | 28.79 | 33.49 | 38.50 | 43.86 | 5.20 | 1.80 | 1.05 |
| 12 | 5.42 | 9.87 | 14.07 | 18.01 | 22.07 | 27.23 | 33.06 | 38.29 | 43.84 | 49.74 | 5.84 | 2.17 | 1.23 |
| 13 | 6.37 | 11.56 | 16.37 | 20.85 | 25.41 | 31.18 | 37.65 | 43.42 | 49.54 | 56.03 | 6.52 | 2.57 | 1.41 |
| 14 | 7.39 | 13.38 | 18.85 | 23.89 | 29.00 | 35.40 | 42.54 | 48.90 | 55.61 | 62.70 | 7.26 | 3.01 | 1.61 |
| 15 | 8.49 | 15.34 | 21.51 | 27.15 | 32.84 | 39.90 | 47.75 | 54.72 | 62.05 | 69.77 | 8.05 | 3.49 | 1.82 |
| 16 | 9.66 | 17.43 | 24.34 | 30.63 | 36.92 | 44.68 | 53.27 | 60.88 | 68.86 | 77.24 | 8.88 | 4.00 | 2.04 |
| 17 | 10.92 | 19.66 | 27.35 | 34.31 | 41.24 | 49.74 | 59.10 | 67.38 | 76.04 | 85.10 | 9.76 | 4.55 | 2.26 |
| 18 | 12.25 | 22.01 | 30.54 | 38.21 | 45.81 | 55.08 | 65.25 | 74.22 | 83.58 | 93.36 | 10.70 | 5.14 | 2.50 |
| 19 | 13.65 | 24.51 | 33.91 | 42.33 | 50.62 | 60.69 | 71.70 | 81.41 | 91.50 | 102.02 | 11.68 | 5.77 | 2.74 |
| 20 | 15.14 | 27.14 | 37.46 | 46.65 | 55.68 | 66.59 | 78.47 | 88.93 | 99.78 | 111.07 | 12.71 | 6.44 | 3.00 |
| 21 | 16.70 | 29.90 | 41.18 | 51.19 | 60.99 | 72.76 | 85.56 | 96.80 | 108.43 | 120.52 | 13.79 | 7.15 | 3.26 |
| 22 | 18.34 | 32.80 | 45.09 | 55.95 | 66.54 | 79.21 | 92.95 | 105.00 | 117.46 | 130.37 | 14.92 | 7.89 | 3.53 |
| 23 | 20.05 | 35.83 | 49.17 | 60.92 | 72.34 | 85.95 | 100.66 | 113.55 | 126.85 | 140.62 | 16.10 | 8.68 | 3.80 |
| 24 | 21.85 | 39.00 | 53.43 | 66.10 | 78.38 | 92.96 | 108.68 | 122.45 | 136.62 | 151.26 | 17.32 | 9.50 | 4.09 |
| 25 | 23.72 | 42.31 | 57.86 | 71.49 | 84.67 | 100.25 | 117.02 | 131.68 | 146.75 | 162.30 | 18.60 | 10.37 | 4.38 |
| 26 | 25.66 | 45.74 | 62.48 | 77.10 | 91.21 | 107.82 | 125.67 | 141.26 | 157.26 | 173.74 | 19.93 | 11.27 | 4.67 |
| 27 | 27.69 | 49.32 | 67.28 | 82.93 | 97.99 | 115.68 | 134.63 | 151.18 | 168.13 | 185.58 | 21.30 | 12.22 | 4.98 |
| 28 | 29.79 | 53.03 | 72.25 | 88.97 | 105.02 | 123.81 | 143.91 | 161.44 | 179.38 | 197.81 | 22.73 | 13.20 | 5.29 |
| 29 | 31.97 | 56.87 | 77.40 | 95.22 | 112.29 | 132.22 | 153.50 | 172.05 | 191.00 | 210.45 | 24.20 | 14.23 | 5.61 |
| 30 | 34.22 | 60.86 | 82.74 | 101.69 | 119.81 | 140.91 | 163.41 | 183.00 | 202.99 | 223.48 | 25.72 | 15.30 | 5.93 |
| 31 | 36.56 | 64.97 | 88.25 | 108.37 | 127.58 | 149.89 | 173.63 | 194.29 | 215.35 | 236.91 | 27.30 | 16.41 | 6.26 |
| 32 | 38.97 | 69.22 | 93.94 | 115.27 | 135.60 | 159.14 | 184.16 | 205.93 | 228.08 | 250.75 | 28.92 | 17.56 | 6.59 |
| 33 | 41.46 | 73.61 | 99.81 | 122.38 | 143.86 | 168.68 | 195.01 | 217.91 | 241.19 | 264.98 | 30.59 | 18.75 | 6.93 |
| 34 | 44.03 | 78.14 | 105.86 | 129.71 | 152.37 | 178.49 | 206.18 | 230.23 | 254.67 | 279.61 | 32.31 | 19.99 | 7.28 |
| 35 | 46.67 | 82.79 | 112.08 | 137.26 | 161.13 | 188.59 | 217.66 | 242.90 | 268.51 | 294.64 | 34.08 | 21.27 | 7.63 |
| 36 | 49.39 | 87.59 | 118.49 | 145.01 | 170.13 | 198.97 | 229.45 | 255.91 | 282.74 | 310.07 | 35.90 | 22.59 | 7.98 |
| 37 | 52.19 | 92.52 | 125.08 | 152.99 | 179.38 | 209.63 | 241.56 | 269.26 | 297.33 | 325.90 | 37.77 | 23.95 | 8.34 |
| 38 | 55.07 | 97.59 | 131.85 | 161.18 | 188.88 | 220.57 | 253.98 | 282.96 | 312.29 | 342.13 | 39.69 | 25.36 | 8.70 |
| 39 | 58.02 | 102.79 | 138.79 | 169.58 | 198.63 | 231.80 | 266.72 | 297.01 | 327.63 | 358.76 | 41.66 | 26.81 | 9.07 |
| 40 | 61.06 | 108.13 | 145.92 | 178.20 | 208.62 | 243.30 | 279.78 | 311.40 | 343.34 | 375.79 | 43.67 | 28.30 | 9.44 |

Scribner Dec. C bdfst volumes -Ash, White- Sawtimber with top pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10" DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|---|-----|-----|-----|------|------|------|------|------|------|------------|--------------|---------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch bdfst* |
| 11 | 20 | 40 | 60 | 80 | 100 | 130 | 160 | 180 | 210 | 240 | 0 | 0 | 10 |
| 12 | 30 | 50 | 80 | 100 | 120 | 150 | 180 | 210 | 240 | 270 | 0 | 0 | 10 |
| 13 | 30 | 60 | 90 | 110 | 140 | 170 | 200 | 230 | 270 | 300 | 0 | 0 | 10 |
| 14 | 40 | 70 | 100 | 130 | 160 | 190 | 230 | 260 | 300 | 340 | 0 | 0 | 10 |
| 15 | 50 | 80 | 120 | 150 | 180 | 220 | 260 | 300 | 340 | 380 | 0 | 0 | 10 |
| 16 | 50 | 90 | 130 | 170 | 200 | 240 | 290 | 330 | 370 | 420 | 0 | 0 | 10 |
| 17 | 60 | 110 | 150 | 190 | 220 | 270 | 320 | 360 | 410 | 460 | 0 | 0 | 10 |
| 18 | 70 | 120 | 160 | 210 | 250 | 300 | 350 | 400 | 450 | 500 | 0 | 0 | 10 |
| 19 | 70 | 130 | 180 | 230 | 270 | 330 | 390 | 440 | 490 | 550 | 0 | 0 | 10 |
| 20 | 80 | 150 | 200 | 250 | 300 | 360 | 420 | 480 | 540 | 600 | 0 | 0 | 20 |
| 21 | 90 | 160 | 220 | 280 | 330 | 390 | 460 | 520 | 590 | 650 | 0 | 0 | 20 |
| 22 | 100 | 180 | 240 | 300 | 360 | 430 | 500 | 570 | 630 | 700 | 0 | 0 | 20 |
| 23 | 110 | 190 | 270 | 330 | 390 | 460 | 540 | 610 | 690 | 760 | 0 | 0 | 20 |
| 24 | 120 | 210 | 290 | 360 | 420 | 500 | 590 | 660 | 740 | 820 | 0 | 0 | 20 |
| 25 | 130 | 230 | 310 | 390 | 460 | 540 | 630 | 710 | 790 | 880 | 0 | 0 | 20 |
| 26 | 140 | 250 | 340 | 420 | 490 | 580 | 680 | 760 | 850 | 940 | 0 | 0 | 30 |
| 27 | 150 | 270 | 360 | 450 | 530 | 620 | 730 | 820 | 910 | 1000 | 0 | 0 | 30 |
| 28 | 160 | 290 | 390 | 480 | 570 | 670 | 780 | 870 | 970 | 1070 | 0 | 0 | 30 |
| 29 | 170 | 310 | 420 | 510 | 610 | 710 | 830 | 930 | 1030 | 1140 | 0 | 0 | 30 |
| 30 | 180 | 330 | 450 | 550 | 650 | 760 | 880 | 990 | 1100 | 1210 | 0 | 0 | 30 |
| 31 | 200 | 350 | 480 | 590 | 690 | 810 | 940 | 1050 | 1160 | 1280 | 0 | 0 | 30 |
| 32 | 210 | 370 | 510 | 620 | 730 | 860 | 990 | 1110 | 1230 | 1350 | 0 | 0 | 40 |
| 33 | 220 | 400 | 540 | 660 | 780 | 910 | 1050 | 1180 | 1300 | 1430 | 0 | 0 | 40 |
| 34 | 240 | 420 | 570 | 700 | 820 | 960 | 1110 | 1240 | 1380 | 1510 | 0 | 0 | 40 |
| 35 | 250 | 450 | 610 | 740 | 870 | 1020 | 1180 | 1310 | 1450 | 1590 | 0 | 0 | 40 |
| 36 | 270 | 470 | 640 | 780 | 920 | 1070 | 1240 | 1380 | 1530 | 1670 | 0 | 0 | 40 |
| 37 | 280 | 500 | 680 | 830 | 970 | 1130 | 1300 | 1450 | 1610 | 1760 | 0 | 0 | 50 |
| 38 | 300 | 530 | 710 | 870 | 1020 | 1190 | 1370 | 1530 | 1690 | 1850 | 1 | 0 | 50 |
| 39 | 310 | 560 | 750 | 920 | 1070 | 1250 | 1440 | 1600 | 1770 | 1940 | 1 | 0 | 50 |
| 40 | 330 | 580 | 790 | 960 | 1130 | 1310 | 1510 | 1680 | 1850 | 2030 | 1 | 0 | 50 |

Aspen, bigtooth

Cubic foot volume inside bark -Aspen, Bigtooth- Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.88 | 1.38 | 2.18 | 3.04 | 4.02 | 5.14 | 6.42 | 7.88 | 9.53 | 11.38 | 13.45 | 15.77 | 0.00 |
| 6 | 1.27 | 1.99 | 2.98 | 4.03 | 5.21 | 6.55 | 8.07 | 9.78 | 11.71 | 13.86 | 16.26 | 18.91 | 0.08 |
| 7 | 1.74 | 2.73 | 3.94 | 5.20 | 6.61 | 8.19 | 9.97 | 11.96 | 14.19 | 16.66 | 19.40 | 22.42 | 0.27 |
| 8 | 2.27 | 3.58 | 5.04 | 6.54 | 8.19 | 10.04 | 12.11 | 14.41 | 16.96 | 19.78 | 22.89 | 26.29 | 0.47 |
| 9 | 2.87 | 4.56 | 6.28 | 8.05 | 9.98 | 12.12 | 14.50 | 17.13 | 20.03 | 23.23 | 26.72 | 30.54 | 0.66 |
| 10 | 3.55 | 5.64 | 7.67 | 9.73 | 11.97 | 14.42 | 17.14 | 20.12 | 23.40 | 26.99 | 30.90 | 35.15 | 0.86 |
| 11 | 4.30 | 6.85 | 9.21 | 11.59 | 14.15 | 16.95 | 20.02 | 23.39 | 27.06 | 31.07 | 35.42 | 40.13 | 1.05 |
| 12 | 5.12 | 8.17 | 10.90 | 13.63 | 16.54 | 19.70 | 23.16 | 26.92 | 31.02 | 35.47 | 40.29 | 45.48 | 1.25 |
| 13 | 6.01 | 9.61 | 12.74 | 15.83 | 19.12 | 22.67 | 26.54 | 30.73 | 35.28 | 40.19 | 45.50 | 51.20 | 1.45 |
| 14 | 6.97 | 11.17 | 14.72 | 18.21 | 21.90 | 25.87 | 30.17 | 34.82 | 39.83 | 45.24 | 51.06 | 57.29 | 1.64 |
| 15 | 8.00 | 12.85 | 16.85 | 20.77 | 24.88 | 29.30 | 34.05 | 39.17 | 44.69 | 50.61 | 56.96 | 63.75 | 1.84 |
| 16 | 9.11 | 14.65 | 19.13 | 23.49 | 28.06 | 32.94 | 38.18 | 43.80 | 49.84 | 56.30 | 63.21 | 70.59 | 2.03 |
| 17 | 10.29 | 16.56 | 21.55 | 26.40 | 31.45 | 36.82 | 42.56 | 48.71 | 55.28 | 62.31 | 69.80 | 77.79 | 2.23 |
| 18 | 11.54 | 18.59 | 24.13 | 29.48 | 35.03 | 40.91 | 47.19 | 53.88 | 61.03 | 68.64 | 76.75 | 85.36 | 2.42 |
| 19 | 12.86 | 20.74 | 26.85 | 32.73 | 38.81 | 45.23 | 52.07 | 59.34 | 67.08 | 75.30 | 84.04 | 93.30 | 2.62 |
| 20 | 14.25 | 23.01 | 29.72 | 36.16 | 42.79 | 49.78 | 57.19 | 65.06 | 73.42 | 82.28 | 91.68 | 101.62 | 2.82 |
| 21 | 15.72 | 25.40 | 32.74 | 39.76 | 46.98 | 54.56 | 62.57 | 71.07 | 80.06 | 89.59 | 99.66 | 110.30 | 3.01 |
| 22 | 17.26 | 27.91 | 35.91 | 43.54 | 51.36 | 59.56 | 68.20 | 77.34 | 87.00 | 97.21 | 107.99 | 119.36 | 3.21 |
| 23 | 18.87 | 30.53 | 39.23 | 47.49 | 55.94 | 64.78 | 74.08 | 83.89 | 94.25 | 105.17 | 116.67 | 128.79 | 3.40 |
| 24 | 20.55 | 33.28 | 42.69 | 51.62 | 60.73 | 70.23 | 80.21 | 90.72 | 101.79 | 113.44 | 125.70 | 138.59 | 3.60 |
| 25 | 22.30 | 36.14 | 46.31 | 55.93 | 65.72 | 75.91 | 86.59 | 97.82 | 109.63 | 122.04 | 135.08 | 148.77 | 3.79 |
| 26 | 24.13 | 39.12 | 50.07 | 60.41 | 70.90 | 81.81 | 93.23 | 105.20 | 117.77 | 130.96 | 144.80 | 159.31 | 3.99 |
| 27 | 26.03 | 42.23 | 53.98 | 65.06 | 76.29 | 87.94 | 100.11 | 112.85 | 126.21 | 140.21 | 154.88 | 170.23 | 4.19 |
| 28 | 28.00 | 45.45 | 58.05 | 69.90 | 81.88 | 94.30 | 107.24 | 120.78 | 134.95 | 149.78 | 165.30 | 181.53 | 4.38 |
| 29 | 30.04 | 48.79 | 62.26 | 74.90 | 87.68 | 100.88 | 114.63 | 128.99 | 143.99 | 159.68 | 176.07 | 193.19 | 4.58 |
| 30 | 32.15 | 52.25 | 66.62 | 80.09 | 93.67 | 107.69 | 122.26 | 137.47 | 153.33 | 169.90 | 187.19 | 205.23 | 4.77 |
| 31 | 34.34 | 55.83 | 71.13 | 85.45 | 99.87 | 114.72 | 130.15 | 146.22 | 162.97 | 180.44 | 198.66 | 217.64 | 4.97 |
| 32 | 36.59 | 59.52 | 75.79 | 90.98 | 106.26 | 121.99 | 138.29 | 155.25 | 172.92 | 191.32 | 210.48 | 230.43 | 5.16 |
| 33 | 38.92 | 63.34 | 80.59 | 96.70 | 112.86 | 129.48 | 146.68 | 164.56 | 183.16 | 202.51 | 222.65 | 243.59 | 5.36 |
| 34 | 41.33 | 67.28 | 85.55 | 102.58 | 119.66 | 137.19 | 155.33 | 174.15 | 193.70 | 214.03 | 235.16 | 257.12 | 5.56 |
| 35 | 43.80 | 71.33 | 90.66 | 108.65 | 126.66 | 145.13 | 164.22 | 184.01 | 204.55 | 225.88 | 248.03 | 271.03 | 5.75 |
| 36 | 46.35 | 75.51 | 95.92 | 114.89 | 133.87 | 153.31 | 173.37 | 194.15 | 215.70 | 238.05 | 261.25 | 285.31 | 5.95 |
| 37 | 48.97 | 79.80 | 101.32 | 121.31 | 141.28 | 161.70 | 182.77 | 204.56 | 227.14 | 250.55 | 274.82 | 299.97 | 6.14 |
| 38 | 51.66 | 84.22 | 106.88 | 127.90 | 148.88 | 170.33 | 192.42 | 215.26 | 238.89 | 263.37 | 288.73 | 315.00 | 6.34 |
| 39 | 54.42 | 88.75 | 112.58 | 134.67 | 156.70 | 179.18 | 202.32 | 226.22 | 250.94 | 276.52 | 303.00 | 330.40 | 6.53 |
| 40 | 57.26 | 93.41 | 118.44 | 141.62 | 164.71 | 188.26 | 212.48 | 237.47 | 263.29 | 290.00 | 317.62 | 346.18 | 6.73 |

Cord volume -Aspen, Bigtooth- Trees with pulpwood only

| DBH (") | Number of 100" pulp sticks in the main stem to a 4.0" DOB† | | | | | | | | | | | | branch wood |
|---------|--|------|------|------|------|------|------|------|------|------|------|------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.08 | 0.10 | 0.12 | 0.14 | 0.17 | 0.20 | 0.00 |
| 6 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.08 | 0.10 | 0.12 | 0.15 | 0.18 | 0.21 | 0.24 | 0.00 |
| 7 | 0.02 | 0.03 | 0.05 | 0.07 | 0.08 | 0.10 | 0.13 | 0.15 | 0.18 | 0.21 | 0.25 | 0.28 | 0.00 |
| 8 | 0.03 | 0.05 | 0.06 | 0.08 | 0.10 | 0.13 | 0.15 | 0.18 | 0.21 | 0.25 | 0.29 | 0.33 | 0.01 |
| 9 | 0.04 | 0.06 | 0.08 | 0.10 | 0.13 | 0.15 | 0.18 | 0.22 | 0.25 | 0.29 | 0.34 | 0.39 | 0.01 |
| 10 | 0.04 | 0.07 | 0.10 | 0.12 | 0.15 | 0.18 | 0.22 | 0.25 | 0.30 | 0.34 | 0.39 | 0.45 | 0.01 |
| 11 | 0.05 | 0.09 | 0.12 | 0.15 | 0.18 | 0.21 | 0.25 | 0.30 | 0.34 | 0.39 | 0.45 | 0.51 | 0.01 |
| 12 | 0.06 | 0.10 | 0.14 | 0.17 | 0.21 | 0.25 | 0.29 | 0.34 | 0.39 | 0.45 | 0.51 | 0.58 | 0.02 |
| 13 | 0.08 | 0.12 | 0.16 | 0.20 | 0.24 | 0.29 | 0.34 | 0.39 | 0.45 | 0.51 | 0.58 | 0.65 | 0.02 |
| 14 | 0.09 | 0.14 | 0.19 | 0.23 | 0.28 | 0.33 | 0.38 | 0.44 | 0.50 | 0.57 | 0.65 | 0.73 | 0.02 |
| 15 | 0.10 | 0.16 | 0.21 | 0.26 | 0.32 | 0.37 | 0.43 | 0.50 | 0.57 | 0.64 | 0.72 | 0.81 | 0.02 |
| 16 | 0.12 | 0.19 | 0.24 | 0.30 | 0.36 | 0.42 | 0.48 | 0.55 | 0.63 | 0.71 | 0.80 | 0.89 | 0.03 |
| 17 | 0.13 | 0.21 | 0.27 | 0.33 | 0.40 | 0.47 | 0.54 | 0.62 | 0.70 | 0.79 | 0.88 | 0.98 | 0.03 |
| 18 | 0.15 | 0.24 | 0.31 | 0.37 | 0.44 | 0.52 | 0.60 | 0.68 | 0.77 | 0.87 | 0.97 | 1.08 | 0.03 |
| 19 | 0.16 | 0.26 | 0.34 | 0.41 | 0.49 | 0.57 | 0.66 | 0.75 | 0.85 | 0.95 | 1.06 | 1.18 | 0.03 |
| 20 | 0.18 | 0.29 | 0.38 | 0.46 | 0.54 | 0.63 | 0.72 | 0.82 | 0.93 | 1.04 | 1.16 | 1.29 | 0.04 |
| 21 | 0.20 | 0.32 | 0.41 | 0.50 | 0.59 | 0.69 | 0.79 | 0.90 | 1.01 | 1.13 | 1.26 | 1.40 | 0.04 |
| 22 | 0.22 | 0.35 | 0.45 | 0.55 | 0.65 | 0.75 | 0.86 | 0.98 | 1.10 | 1.23 | 1.37 | 1.51 | 0.04 |
| 23 | 0.24 | 0.39 | 0.50 | 0.60 | 0.71 | 0.82 | 0.94 | 1.06 | 1.19 | 1.33 | 1.48 | 1.63 | 0.04 |
| 24 | 0.26 | 0.42 | 0.54 | 0.65 | 0.77 | 0.89 | 1.02 | 1.15 | 1.29 | 1.44 | 1.59 | 1.75 | 0.05 |
| 25 | 0.28 | 0.46 | 0.59 | 0.71 | 0.83 | 0.96 | 1.10 | 1.24 | 1.39 | 1.55 | 1.71 | 1.88 | 0.05 |
| 26 | 0.31 | 0.50 | 0.63 | 0.76 | 0.90 | 1.04 | 1.18 | 1.33 | 1.49 | 1.66 | 1.83 | 2.02 | 0.05 |
| 27 | 0.33 | 0.53 | 0.68 | 0.82 | 0.97 | 1.11 | 1.27 | 1.43 | 1.60 | 1.78 | 1.96 | 2.16 | 0.05 |
| 28 | 0.35 | 0.58 | 0.73 | 0.88 | 1.04 | 1.19 | 1.36 | 1.53 | 1.71 | 1.90 | 2.09 | 2.30 | 0.06 |
| 29 | 0.38 | 0.62 | 0.79 | 0.95 | 1.11 | 1.28 | 1.45 | 1.63 | 1.82 | 2.02 | 2.23 | 2.45 | 0.06 |
| 30 | 0.41 | 0.66 | 0.84 | 1.01 | 1.19 | 1.36 | 1.55 | 1.74 | 1.94 | 2.15 | 2.37 | 2.60 | 0.06 |
| 31 | 0.43 | 0.71 | 0.90 | 1.08 | 1.26 | 1.45 | 1.65 | 1.85 | 2.06 | 2.28 | 2.52 | 2.76 | 0.06 |
| 32 | 0.46 | 0.75 | 0.96 | 1.15 | 1.35 | 1.54 | 1.75 | 1.97 | 2.19 | 2.42 | 2.66 | 2.92 | 0.07 |
| 33 | 0.49 | 0.80 | 1.02 | 1.22 | 1.43 | 1.64 | 1.86 | 2.08 | 2.32 | 2.56 | 2.82 | 3.08 | 0.07 |
| 34 | 0.52 | 0.85 | 1.08 | 1.30 | 1.51 | 1.74 | 1.97 | 2.20 | 2.45 | 2.71 | 2.98 | 3.26 | 0.07 |
| 35 | 0.55 | 0.90 | 1.15 | 1.38 | 1.60 | 1.84 | 2.08 | 2.33 | 2.59 | 2.86 | 3.14 | 3.43 | 0.07 |
| 36 | 0.59 | 0.96 | 1.21 | 1.45 | 1.69 | 1.94 | 2.19 | 2.46 | 2.73 | 3.01 | 3.31 | 3.61 | 0.08 |
| 37 | 0.62 | 1.01 | 1.28 | 1.54 | 1.79 | 2.05 | 2.31 | 2.59 | 2.88 | 3.17 | 3.48 | 3.80 | 0.08 |
| 38 | 0.65 | 1.07 | 1.35 | 1.62 | 1.88 | 2.16 | 2.44 | 2.73 | 3.02 | 3.33 | 3.66 | 3.99 | 0.08 |
| 39 | 0.69 | 1.12 | 1.43 | 1.70 | 1.98 | 2.27 | 2.56 | 2.86 | 3.18 | 3.50 | 3.84 | 4.18 | 0.08 |
| 40 | 0.72 | 1.18 | 1.50 | 1.79 | 2.09 | 2.38 | 2.69 | 3.01 | 3.33 | 3.67 | 4.02 | 4.38 | 0.09 |

Cubic foot volume inside bark -Aspen, Bigtooth- Sawtimber trees with topwood pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB+ | | | | | | | | | | upper stem | branch wood | |
|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------|--------------|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch saw* |
| 11 | 4.43 | 8.13 | 11.69 | 15.05 | 18.50 | 22.90 | 27.88 | 32.34 | 37.09 | 42.15 | 5.01 | 1.37 | 0.81 |
| 12 | 5.27 | 9.65 | 13.79 | 17.64 | 21.57 | 26.52 | 32.09 | 37.07 | 42.34 | 47.94 | 5.64 | 1.65 | 0.95 |
| 13 | 6.20 | 11.31 | 16.07 | 20.45 | 24.88 | 30.42 | 36.62 | 42.14 | 47.96 | 54.12 | 6.31 | 1.96 | 1.09 |
| 14 | 7.19 | 13.09 | 18.52 | 23.46 | 28.43 | 34.60 | 41.46 | 47.54 | 53.95 | 60.70 | 7.03 | 2.29 | 1.25 |
| 15 | 8.26 | 15.01 | 21.15 | 26.69 | 32.23 | 39.06 | 46.61 | 53.30 | 60.31 | 67.67 | 7.80 | 2.65 | 1.41 |
| 16 | 9.41 | 17.06 | 23.95 | 30.14 | 36.27 | 43.79 | 52.07 | 59.39 | 67.04 | 75.05 | 8.61 | 3.04 | 1.58 |
| 17 | 10.63 | 19.25 | 26.93 | 33.79 | 40.56 | 48.81 | 57.85 | 65.83 | 74.14 | 82.82 | 9.48 | 3.46 | 1.76 |
| 18 | 11.93 | 21.57 | 30.09 | 37.66 | 45.10 | 54.10 | 63.94 | 72.61 | 81.61 | 91.00 | 10.39 | 3.91 | 1.94 |
| 19 | 13.30 | 24.02 | 33.42 | 41.74 | 49.88 | 59.67 | 70.35 | 79.73 | 89.45 | 99.57 | 11.36 | 4.38 | 2.13 |
| 20 | 14.74 | 26.60 | 36.94 | 46.04 | 54.90 | 65.53 | 77.07 | 87.19 | 97.67 | 108.54 | 12.37 | 4.89 | 2.33 |
| 21 | 16.26 | 29.31 | 40.63 | 50.54 | 60.17 | 71.66 | 84.10 | 95.00 | 106.25 | 117.91 | 13.43 | 5.42 | 2.54 |
| 22 | 17.86 | 32.16 | 44.49 | 55.27 | 65.69 | 78.07 | 91.45 | 103.15 | 115.21 | 127.68 | 14.54 | 5.99 | 2.75 |
| 23 | 19.53 | 35.14 | 48.54 | 60.20 | 71.45 | 84.76 | 99.11 | 111.65 | 124.54 | 137.85 | 15.70 | 6.58 | 2.97 |
| 24 | 21.28 | 38.25 | 52.76 | 65.35 | 77.46 | 91.74 | 107.09 | 120.49 | 134.24 | 148.42 | 16.91 | 7.21 | 3.19 |
| 25 | 23.10 | 41.50 | 57.16 | 70.71 | 83.72 | 98.99 | 115.38 | 129.67 | 144.32 | 159.39 | 18.16 | 7.86 | 3.42 |
| 26 | 25.00 | 44.88 | 61.73 | 76.29 | 90.22 | 106.53 | 123.98 | 139.20 | 154.76 | 170.76 | 19.47 | 8.55 | 3.66 |
| 27 | 26.97 | 48.39 | 66.49 | 82.08 | 96.97 | 114.34 | 132.90 | 149.07 | 165.58 | 182.53 | 20.83 | 9.26 | 3.90 |
| 28 | 29.02 | 52.04 | 71.42 | 88.08 | 103.96 | 122.44 | 142.14 | 159.28 | 176.78 | 194.71 | 22.23 | 10.01 | 4.15 |
| 29 | 31.14 | 55.82 | 76.53 | 94.30 | 111.21 | 130.82 | 151.69 | 169.85 | 188.34 | 207.28 | 23.68 | 10.78 | 4.40 |
| 30 | 33.34 | 59.73 | 81.82 | 100.74 | 118.70 | 139.47 | 161.56 | 180.75 | 200.28 | 220.26 | 25.18 | 11.59 | 4.66 |
| 31 | 35.62 | 63.78 | 87.29 | 107.39 | 126.43 | 148.41 | 171.74 | 192.00 | 212.60 | 233.63 | 26.74 | 12.43 | 4.92 |
| 32 | 37.97 | 67.96 | 92.93 | 114.25 | 134.42 | 157.64 | 182.24 | 203.60 | 225.28 | 247.41 | 28.34 | 13.30 | 5.19 |
| 33 | 40.40 | 72.27 | 98.75 | 121.33 | 142.65 | 167.14 | 193.06 | 215.54 | 238.34 | 261.59 | 29.99 | 14.20 | 5.46 |
| 34 | 42.90 | 76.72 | 104.76 | 128.62 | 151.13 | 176.92 | 204.19 | 227.83 | 251.78 | 276.17 | 31.68 | 15.13 | 5.74 |
| 35 | 45.47 | 81.30 | 110.94 | 136.13 | 159.85 | 186.99 | 215.64 | 240.46 | 265.59 | 291.15 | 33.43 | 16.10 | 6.02 |
| 36 | 48.13 | 86.01 | 117.29 | 143.85 | 168.82 | 197.34 | 227.40 | 253.44 | 279.77 | 306.54 | 35.23 | 17.10 | 6.31 |
| 37 | 50.86 | 90.86 | 123.83 | 151.78 | 178.04 | 207.97 | 239.48 | 266.76 | 294.33 | 322.33 | 37.07 | 18.12 | 6.59 |
| 38 | 53.66 | 95.85 | 130.55 | 159.94 | 187.51 | 218.88 | 251.87 | 280.43 | 309.26 | 338.52 | 38.97 | 19.18 | 6.89 |
| 39 | 56.54 | 100.96 | 137.44 | 168.30 | 197.23 | 230.07 | 264.59 | 294.44 | 324.56 | 355.11 | 40.91 | 20.28 | 7.19 |
| 40 | 59.50 | 106.21 | 144.51 | 176.89 | 207.19 | 241.55 | 277.62 | 308.80 | 340.24 | 372.11 | 42.91 | 21.40 | 7.49 |

Scribner Dec. C bdfv volumes -Aspen, Bigtooth- Sawtimber with top pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|--|-----|-----|-----|------|------|------|------|------|------|------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch bdfv* |
| 11 | 20 | 40 | 60 | 80 | 100 | 120 | 150 | 170 | 200 | 230 | 0 | 0 | 0 |
| 12 | 30 | 50 | 70 | 100 | 120 | 140 | 170 | 200 | 230 | 260 | 0 | 0 | 10 |
| 13 | 30 | 60 | 90 | 110 | 130 | 160 | 200 | 230 | 260 | 290 | 0 | 0 | 10 |
| 14 | 40 | 70 | 100 | 130 | 150 | 190 | 220 | 260 | 290 | 330 | 0 | 0 | 10 |
| 15 | 40 | 80 | 110 | 140 | 170 | 210 | 250 | 290 | 330 | 370 | 0 | 0 | 10 |
| 16 | 50 | 90 | 130 | 160 | 200 | 240 | 280 | 320 | 360 | 410 | 0 | 0 | 10 |
| 17 | 60 | 100 | 150 | 180 | 220 | 260 | 310 | 360 | 400 | 450 | 0 | 0 | 10 |
| 18 | 60 | 120 | 160 | 200 | 240 | 290 | 350 | 390 | 440 | 490 | 0 | 0 | 10 |
| 19 | 70 | 130 | 180 | 230 | 270 | 320 | 380 | 430 | 480 | 540 | 0 | 0 | 10 |
| 20 | 80 | 140 | 200 | 250 | 300 | 350 | 420 | 470 | 530 | 590 | 0 | 0 | 10 |
| 21 | 90 | 160 | 220 | 270 | 320 | 390 | 450 | 510 | 570 | 640 | 0 | 0 | 10 |
| 22 | 100 | 170 | 240 | 300 | 350 | 420 | 490 | 560 | 620 | 690 | 0 | 0 | 10 |
| 23 | 110 | 190 | 260 | 330 | 390 | 460 | 540 | 600 | 670 | 740 | 0 | 0 | 20 |
| 24 | 110 | 210 | 280 | 350 | 420 | 500 | 580 | 650 | 720 | 800 | 0 | 0 | 20 |
| 25 | 120 | 220 | 310 | 380 | 450 | 530 | 620 | 700 | 780 | 860 | 0 | 0 | 20 |
| 26 | 130 | 240 | 330 | 410 | 490 | 580 | 670 | 750 | 840 | 920 | 0 | 0 | 20 |
| 27 | 150 | 260 | 360 | 440 | 520 | 620 | 720 | 800 | 890 | 990 | 0 | 0 | 20 |
| 28 | 160 | 280 | 390 | 480 | 560 | 660 | 770 | 860 | 950 | 1050 | 0 | 0 | 20 |
| 29 | 170 | 300 | 410 | 510 | 600 | 710 | 820 | 920 | 1020 | 1120 | 0 | 0 | 20 |
| 30 | 180 | 320 | 440 | 540 | 640 | 750 | 870 | 980 | 1080 | 1190 | 0 | 0 | 30 |
| 31 | 190 | 340 | 470 | 580 | 680 | 800 | 930 | 1040 | 1150 | 1260 | 0 | 0 | 30 |
| 32 | 210 | 370 | 500 | 620 | 730 | 850 | 980 | 1100 | 1220 | 1340 | 0 | 0 | 30 |
| 33 | 220 | 390 | 530 | 660 | 770 | 900 | 1040 | 1160 | 1290 | 1410 | 0 | 0 | 30 |
| 34 | 230 | 410 | 570 | 690 | 820 | 960 | 1100 | 1230 | 1360 | 1490 | 0 | 0 | 30 |
| 35 | 250 | 440 | 600 | 740 | 860 | 1010 | 1160 | 1300 | 1430 | 1570 | 0 | 0 | 30 |
| 36 | 260 | 460 | 630 | 780 | 910 | 1070 | 1230 | 1370 | 1510 | 1660 | 0 | 0 | 30 |
| 37 | 270 | 490 | 670 | 820 | 960 | 1120 | 1290 | 1440 | 1590 | 1740 | 0 | 0 | 40 |
| 38 | 290 | 520 | 700 | 860 | 1010 | 1180 | 1360 | 1510 | 1670 | 1830 | 0 | 0 | 40 |
| 39 | 310 | 550 | 740 | 910 | 1070 | 1240 | 1430 | 1590 | 1750 | 1920 | 1 | 0 | 40 |
| 40 | 320 | 570 | 780 | 960 | 1120 | 1300 | 1500 | 1670 | 1840 | 2010 | 1 | 0 | 40 |

Aspen, quaking

Cubic foot volume inside bark -Aspen, Quaking- Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.88 | 1.40 | 2.20 | 3.05 | 4.00 | 5.08 | 6.30 | 7.68 | 9.22 | 10.94 | 12.85 | 14.98 | 0.00 |
| 6 | 1.27 | 2.04 | 3.03 | 4.07 | 5.22 | 6.52 | 7.97 | 9.60 | 11.41 | 13.43 | 15.65 | 18.10 | 0.08 |
| 7 | 1.74 | 2.80 | 4.00 | 5.26 | 6.64 | 8.18 | 9.89 | 11.80 | 13.91 | 16.25 | 18.81 | 21.62 | 0.27 |
| 8 | 2.27 | 3.67 | 5.13 | 6.63 | 8.27 | 10.07 | 12.08 | 14.29 | 16.73 | 19.40 | 22.33 | 25.52 | 0.47 |
| 9 | 2.87 | 4.67 | 6.41 | 8.18 | 10.10 | 12.20 | 14.52 | 17.06 | 19.85 | 22.89 | 26.20 | 29.80 | 0.66 |
| 10 | 3.55 | 5.80 | 7.85 | 9.92 | 12.14 | 14.56 | 17.22 | 20.11 | 23.28 | 26.71 | 30.44 | 34.47 | 0.86 |
| 11 | 4.30 | 7.04 | 9.43 | 11.83 | 14.38 | 17.15 | 20.17 | 23.45 | 27.01 | 30.87 | 35.04 | 39.52 | 1.05 |
| 12 | 5.12 | 8.40 | 11.17 | 13.92 | 16.83 | 19.98 | 23.39 | 27.08 | 31.06 | 35.37 | 40.00 | 44.97 | 1.25 |
| 13 | 6.01 | 9.89 | 13.06 | 16.19 | 19.49 | 23.04 | 26.86 | 30.99 | 35.42 | 40.20 | 45.32 | 50.80 | 1.45 |
| 14 | 6.97 | 11.50 | 15.10 | 18.64 | 22.36 | 26.33 | 30.60 | 35.18 | 40.10 | 45.36 | 51.00 | 57.01 | 1.64 |
| 15 | 8.00 | 13.23 | 17.30 | 21.28 | 25.43 | 29.86 | 34.59 | 39.66 | 45.08 | 50.87 | 57.04 | 63.62 | 1.84 |
| 16 | 9.11 | 15.09 | 19.65 | 24.09 | 28.71 | 33.62 | 38.85 | 44.42 | 50.37 | 56.71 | 63.45 | 70.61 | 2.03 |
| 17 | 10.29 | 17.06 | 22.15 | 27.09 | 32.20 | 37.61 | 43.36 | 49.47 | 55.98 | 62.89 | 70.22 | 77.99 | 2.23 |
| 18 | 11.54 | 19.16 | 24.81 | 30.27 | 35.90 | 41.84 | 48.13 | 54.81 | 61.90 | 69.40 | 77.35 | 85.76 | 2.42 |
| 19 | 12.86 | 21.38 | 27.62 | 33.62 | 39.81 | 46.30 | 53.17 | 60.44 | 68.12 | 76.26 | 84.85 | 93.92 | 2.62 |
| 20 | 14.25 | 23.73 | 30.58 | 37.16 | 43.92 | 51.00 | 58.47 | 66.35 | 74.67 | 83.45 | 92.71 | 102.47 | 2.82 |
| 21 | 15.72 | 26.19 | 33.70 | 40.89 | 48.24 | 55.93 | 64.02 | 72.54 | 81.52 | 90.98 | 100.93 | 111.40 | 3.01 |
| 22 | 17.26 | 28.78 | 36.97 | 44.79 | 52.78 | 61.10 | 69.84 | 79.03 | 88.69 | 98.85 | 109.52 | 120.73 | 3.21 |
| 23 | 18.87 | 31.50 | 40.39 | 48.87 | 57.51 | 66.51 | 75.92 | 85.80 | 96.17 | 107.05 | 118.48 | 130.45 | 3.40 |
| 24 | 20.55 | 34.33 | 43.97 | 53.14 | 62.46 | 72.14 | 82.26 | 92.86 | 103.96 | 115.60 | 127.79 | 140.55 | 3.60 |
| 25 | 22.30 | 37.29 | 47.71 | 57.59 | 67.62 | 78.02 | 88.86 | 100.20 | 112.07 | 124.49 | 137.47 | 151.05 | 3.79 |
| 26 | 24.13 | 40.37 | 51.59 | 62.22 | 72.99 | 84.13 | 95.73 | 107.84 | 120.49 | 133.71 | 147.52 | 161.94 | 3.99 |
| 27 | 26.03 | 43.58 | 55.64 | 67.04 | 78.56 | 90.47 | 102.85 | 115.76 | 129.22 | 143.27 | 157.93 | 173.22 | 4.19 |
| 28 | 28.00 | 46.91 | 59.83 | 72.03 | 84.35 | 97.05 | 110.24 | 123.97 | 138.27 | 153.18 | 168.71 | 184.89 | 4.38 |
| 29 | 30.04 | 50.36 | 64.18 | 77.21 | 90.34 | 103.87 | 117.89 | 132.46 | 147.63 | 163.42 | 179.85 | 196.95 | 4.58 |
| 30 | 32.15 | 53.94 | 68.69 | 82.57 | 96.55 | 110.92 | 125.80 | 141.25 | 157.31 | 174.00 | 191.36 | 209.40 | 4.77 |
| 31 | 34.34 | 57.63 | 73.35 | 88.12 | 102.96 | 118.21 | 133.97 | 150.32 | 167.29 | 184.92 | 203.23 | 222.24 | 4.97 |
| 32 | 36.59 | 61.46 | 78.16 | 93.84 | 109.59 | 125.73 | 142.41 | 159.68 | 177.60 | 196.18 | 215.47 | 235.47 | 5.16 |
| 33 | 38.92 | 65.40 | 83.13 | 99.75 | 116.42 | 133.49 | 151.11 | 169.33 | 188.22 | 207.79 | 228.07 | 249.10 | 5.36 |
| 34 | 41.33 | 69.47 | 88.25 | 105.84 | 123.46 | 141.49 | 160.07 | 179.27 | 199.15 | 219.73 | 241.04 | 263.12 | 5.56 |
| 35 | 43.80 | 73.67 | 93.53 | 112.12 | 130.71 | 149.72 | 169.29 | 189.50 | 210.39 | 232.01 | 254.38 | 277.52 | 5.75 |
| 36 | 46.35 | 77.98 | 98.96 | 118.58 | 138.18 | 158.19 | 178.78 | 200.02 | 221.96 | 244.64 | 268.09 | 292.33 | 5.95 |
| 37 | 48.97 | 82.42 | 104.55 | 125.22 | 145.85 | 166.90 | 188.53 | 210.82 | 233.83 | 257.60 | 282.15 | 307.52 | 6.14 |
| 38 | 51.66 | 86.99 | 110.29 | 132.04 | 153.73 | 175.84 | 198.54 | 221.91 | 246.02 | 270.91 | 296.59 | 323.10 | 6.34 |
| 39 | 54.42 | 91.68 | 116.19 | 139.05 | 161.83 | 185.02 | 208.81 | 233.30 | 258.53 | 284.55 | 311.39 | 339.08 | 6.53 |
| 40 | 57.26 | 96.49 | 122.25 | 146.24 | 170.13 | 194.44 | 219.35 | 244.97 | 271.35 | 298.54 | 326.56 | 355.45 | 6.73 |

Cord volume -Aspen, Quaking- Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|------|------|------|------|------|------|------|------|------|------|------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.06 | 0.08 | 0.10 | 0.12 | 0.14 | 0.16 | 0.19 | 0.00 |
| 6 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.08 | 0.10 | 0.12 | 0.14 | 0.17 | 0.20 | 0.23 | 0.00 |
| 7 | 0.02 | 0.04 | 0.05 | 0.07 | 0.08 | 0.10 | 0.13 | 0.15 | 0.18 | 0.21 | 0.24 | 0.27 | 0.00 |
| 8 | 0.03 | 0.05 | 0.06 | 0.08 | 0.10 | 0.13 | 0.15 | 0.18 | 0.21 | 0.25 | 0.28 | 0.32 | 0.01 |
| 9 | 0.04 | 0.06 | 0.08 | 0.10 | 0.13 | 0.15 | 0.18 | 0.22 | 0.25 | 0.29 | 0.33 | 0.38 | 0.01 |
| 10 | 0.04 | 0.07 | 0.10 | 0.13 | 0.15 | 0.18 | 0.22 | 0.25 | 0.29 | 0.34 | 0.39 | 0.44 | 0.01 |
| 11 | 0.05 | 0.09 | 0.12 | 0.15 | 0.18 | 0.22 | 0.26 | 0.30 | 0.34 | 0.39 | 0.44 | 0.50 | 0.01 |
| 12 | 0.06 | 0.11 | 0.14 | 0.18 | 0.21 | 0.25 | 0.30 | 0.34 | 0.39 | 0.45 | 0.51 | 0.57 | 0.02 |
| 13 | 0.08 | 0.13 | 0.17 | 0.20 | 0.25 | 0.29 | 0.34 | 0.39 | 0.45 | 0.51 | 0.57 | 0.64 | 0.02 |
| 14 | 0.09 | 0.15 | 0.19 | 0.24 | 0.28 | 0.33 | 0.39 | 0.45 | 0.51 | 0.57 | 0.65 | 0.72 | 0.02 |
| 15 | 0.10 | 0.17 | 0.22 | 0.27 | 0.32 | 0.38 | 0.44 | 0.50 | 0.57 | 0.64 | 0.72 | 0.81 | 0.02 |
| 16 | 0.12 | 0.19 | 0.25 | 0.31 | 0.36 | 0.43 | 0.49 | 0.56 | 0.64 | 0.72 | 0.80 | 0.89 | 0.03 |
| 17 | 0.13 | 0.22 | 0.28 | 0.34 | 0.41 | 0.48 | 0.55 | 0.63 | 0.71 | 0.80 | 0.89 | 0.99 | 0.03 |
| 18 | 0.15 | 0.24 | 0.31 | 0.38 | 0.45 | 0.53 | 0.61 | 0.69 | 0.78 | 0.88 | 0.98 | 1.09 | 0.03 |
| 19 | 0.16 | 0.27 | 0.35 | 0.43 | 0.50 | 0.59 | 0.67 | 0.77 | 0.86 | 0.97 | 1.07 | 1.19 | 0.03 |
| 20 | 0.18 | 0.30 | 0.39 | 0.47 | 0.56 | 0.65 | 0.74 | 0.84 | 0.95 | 1.06 | 1.17 | 1.30 | 0.04 |
| 21 | 0.20 | 0.33 | 0.43 | 0.52 | 0.61 | 0.71 | 0.81 | 0.92 | 1.03 | 1.15 | 1.28 | 1.41 | 0.04 |
| 22 | 0.22 | 0.36 | 0.47 | 0.57 | 0.67 | 0.77 | 0.88 | 1.00 | 1.12 | 1.25 | 1.39 | 1.53 | 0.04 |
| 23 | 0.24 | 0.40 | 0.51 | 0.62 | 0.73 | 0.84 | 0.96 | 1.09 | 1.22 | 1.36 | 1.50 | 1.65 | 0.04 |
| 24 | 0.26 | 0.43 | 0.56 | 0.67 | 0.79 | 0.91 | 1.04 | 1.18 | 1.32 | 1.46 | 1.62 | 1.78 | 0.05 |
| 25 | 0.28 | 0.47 | 0.60 | 0.73 | 0.86 | 0.99 | 1.12 | 1.27 | 1.42 | 1.58 | 1.74 | 1.91 | 0.05 |
| 26 | 0.31 | 0.51 | 0.65 | 0.79 | 0.92 | 1.07 | 1.21 | 1.37 | 1.53 | 1.69 | 1.87 | 2.05 | 0.05 |
| 27 | 0.33 | 0.55 | 0.70 | 0.85 | 0.99 | 1.15 | 1.30 | 1.47 | 1.64 | 1.81 | 2.00 | 2.19 | 0.05 |
| 28 | 0.35 | 0.59 | 0.76 | 0.91 | 1.07 | 1.23 | 1.40 | 1.57 | 1.75 | 1.94 | 2.14 | 2.34 | 0.06 |
| 29 | 0.38 | 0.64 | 0.81 | 0.98 | 1.14 | 1.31 | 1.49 | 1.68 | 1.87 | 2.07 | 2.28 | 2.49 | 0.06 |
| 30 | 0.41 | 0.68 | 0.87 | 1.05 | 1.22 | 1.40 | 1.59 | 1.79 | 1.99 | 2.20 | 2.42 | 2.65 | 0.06 |
| 31 | 0.43 | 0.73 | 0.93 | 1.12 | 1.30 | 1.50 | 1.70 | 1.90 | 2.12 | 2.34 | 2.57 | 2.81 | 0.06 |
| 32 | 0.46 | 0.78 | 0.99 | 1.19 | 1.39 | 1.59 | 1.80 | 2.02 | 2.25 | 2.48 | 2.73 | 2.98 | 0.07 |
| 33 | 0.49 | 0.83 | 1.05 | 1.26 | 1.47 | 1.69 | 1.91 | 2.14 | 2.38 | 2.63 | 2.89 | 3.15 | 0.07 |
| 34 | 0.52 | 0.88 | 1.12 | 1.34 | 1.56 | 1.79 | 2.03 | 2.27 | 2.52 | 2.78 | 3.05 | 3.33 | 0.07 |
| 35 | 0.55 | 0.93 | 1.18 | 1.42 | 1.65 | 1.90 | 2.14 | 2.40 | 2.66 | 2.94 | 3.22 | 3.51 | 0.07 |
| 36 | 0.59 | 0.99 | 1.25 | 1.50 | 1.75 | 2.00 | 2.26 | 2.53 | 2.81 | 3.10 | 3.39 | 3.70 | 0.08 |
| 37 | 0.62 | 1.04 | 1.32 | 1.59 | 1.85 | 2.11 | 2.39 | 2.67 | 2.96 | 3.26 | 3.57 | 3.89 | 0.08 |
| 38 | 0.65 | 1.10 | 1.40 | 1.67 | 1.95 | 2.23 | 2.51 | 2.81 | 3.11 | 3.43 | 3.75 | 4.09 | 0.08 |
| 39 | 0.69 | 1.16 | 1.47 | 1.76 | 2.05 | 2.34 | 2.64 | 2.95 | 3.27 | 3.60 | 3.94 | 4.29 | 0.08 |
| 40 | 0.72 | 1.22 | 1.55 | 1.85 | 2.15 | 2.46 | 2.78 | 3.10 | 3.44 | 3.78 | 4.13 | 4.50 | 0.09 |

Cubic foot volume inside bark -Aspen, Quaking- Sawtimber trees with topwood pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------|--------------|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch saw* |
| 11 | 4.48 | 8.23 | 11.90 | 15.37 | 18.96 | 23.58 | 28.82 | 33.53 | 38.55 | 43.92 | 5.13 | 1.37 | 0.81 |
| 12 | 5.33 | 9.78 | 14.04 | 18.01 | 22.09 | 27.29 | 33.15 | 38.39 | 43.96 | 49.89 | 5.77 | 1.65 | 0.95 |
| 13 | 6.27 | 11.46 | 16.35 | 20.87 | 25.47 | 31.28 | 37.79 | 43.60 | 49.75 | 56.26 | 6.46 | 1.96 | 1.09 |
| 14 | 7.27 | 13.27 | 18.84 | 23.94 | 29.10 | 35.55 | 42.75 | 49.16 | 55.91 | 63.04 | 7.19 | 2.29 | 1.25 |
| 15 | 8.36 | 15.22 | 21.51 | 27.23 | 32.97 | 40.11 | 48.04 | 55.06 | 62.45 | 70.23 | 7.98 | 2.65 | 1.41 |
| 16 | 9.52 | 17.30 | 24.36 | 30.74 | 37.10 | 44.95 | 53.64 | 61.32 | 69.36 | 77.82 | 8.82 | 3.04 | 1.58 |
| 17 | 10.75 | 19.51 | 27.39 | 34.46 | 41.47 | 50.08 | 59.55 | 67.92 | 76.66 | 85.81 | 9.71 | 3.46 | 1.76 |
| 18 | 12.07 | 21.86 | 30.60 | 38.40 | 46.10 | 55.49 | 65.79 | 74.87 | 84.33 | 94.22 | 10.64 | 3.91 | 1.94 |
| 19 | 13.45 | 24.35 | 33.99 | 42.56 | 50.97 | 61.18 | 72.35 | 82.17 | 92.38 | 103.03 | 11.63 | 4.38 | 2.13 |
| 20 | 14.92 | 26.97 | 37.56 | 46.93 | 56.10 | 67.16 | 79.23 | 89.82 | 100.81 | 112.24 | 12.67 | 4.89 | 2.33 |
| 21 | 16.46 | 29.72 | 41.31 | 51.52 | 61.47 | 73.43 | 86.42 | 97.82 | 109.62 | 121.87 | 13.76 | 5.42 | 2.54 |
| 22 | 18.07 | 32.61 | 45.24 | 56.32 | 67.10 | 79.97 | 93.94 | 106.17 | 118.80 | 131.90 | 14.89 | 5.99 | 2.75 |
| 23 | 19.77 | 35.63 | 49.35 | 61.35 | 72.97 | 86.81 | 101.78 | 114.87 | 128.37 | 142.33 | 16.08 | 6.58 | 2.97 |
| 24 | 21.53 | 38.79 | 53.64 | 66.59 | 79.10 | 93.93 | 109.93 | 123.92 | 138.31 | 153.18 | 17.32 | 7.21 | 3.19 |
| 25 | 23.38 | 42.08 | 58.11 | 72.05 | 85.47 | 101.33 | 118.41 | 133.32 | 148.64 | 164.43 | 18.60 | 7.86 | 3.42 |
| 26 | 25.30 | 45.51 | 62.76 | 77.72 | 92.10 | 109.02 | 127.21 | 143.07 | 159.34 | 176.09 | 19.94 | 8.55 | 3.66 |
| 27 | 27.30 | 49.07 | 67.59 | 83.61 | 98.97 | 117.00 | 136.33 | 153.17 | 170.42 | 188.16 | 21.33 | 9.26 | 3.90 |
| 28 | 29.37 | 52.77 | 72.60 | 89.72 | 106.10 | 125.26 | 145.77 | 163.62 | 181.88 | 200.64 | 22.77 | 10.01 | 4.15 |
| 29 | 31.52 | 56.60 | 77.79 | 96.05 | 113.48 | 133.81 | 155.53 | 174.42 | 193.73 | 213.53 | 24.26 | 10.78 | 4.40 |
| 30 | 33.75 | 60.57 | 83.17 | 102.60 | 121.11 | 142.65 | 165.61 | 185.58 | 205.95 | 226.82 | 25.79 | 11.59 | 4.66 |
| 31 | 36.05 | 64.67 | 88.72 | 109.36 | 128.99 | 151.77 | 176.01 | 197.08 | 218.55 | 240.53 | 27.38 | 12.43 | 4.92 |
| 32 | 38.43 | 68.91 | 94.46 | 116.35 | 137.13 | 161.17 | 186.74 | 208.94 | 231.54 | 254.64 | 29.02 | 13.30 | 5.19 |
| 33 | 40.89 | 73.29 | 100.37 | 123.55 | 145.51 | 170.87 | 197.78 | 221.15 | 244.90 | 269.16 | 30.71 | 14.20 | 5.46 |
| 34 | 43.42 | 77.80 | 106.47 | 130.97 | 154.14 | 180.85 | 209.15 | 233.71 | 258.65 | 284.10 | 32.45 | 15.13 | 5.74 |
| 35 | 46.03 | 82.44 | 112.75 | 138.60 | 163.03 | 191.11 | 220.84 | 246.62 | 272.78 | 299.44 | 34.24 | 16.10 | 6.02 |
| 36 | 48.71 | 87.22 | 119.21 | 146.46 | 172.17 | 201.67 | 232.85 | 259.88 | 287.28 | 315.19 | 36.08 | 17.10 | 6.31 |
| 37 | 51.48 | 92.14 | 125.85 | 154.53 | 181.56 | 212.51 | 245.18 | 273.50 | 302.17 | 331.35 | 37.97 | 18.12 | 6.59 |
| 38 | 54.32 | 97.19 | 132.67 | 162.82 | 191.20 | 223.63 | 257.84 | 287.47 | 317.44 | 347.92 | 39.91 | 19.18 | 6.89 |
| 39 | 57.23 | 102.38 | 139.68 | 171.34 | 201.10 | 235.05 | 270.82 | 301.79 | 333.09 | 364.90 | 41.90 | 20.28 | 7.19 |
| 40 | 60.22 | 107.71 | 146.86 | 180.06 | 211.25 | 246.75 | 284.12 | 316.46 | 349.13 | 382.29 | 43.94 | 21.40 | 7.49 |

Scribner Dec. C bdfv volumes -Aspen, Quaking- Sawtimber with top pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|--|-----|-----|-----|------|------|------|------|------|------|------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch bdfv* |
| 11 | 20 | 40 | 60 | 80 | 100 | 130 | 160 | 180 | 210 | 240 | 0 | 0 | 0 |
| 12 | 30 | 50 | 80 | 100 | 120 | 150 | 180 | 210 | 240 | 270 | 0 | 0 | 10 |
| 13 | 30 | 60 | 90 | 110 | 140 | 170 | 200 | 240 | 270 | 300 | 0 | 0 | 10 |
| 14 | 40 | 70 | 100 | 130 | 160 | 190 | 230 | 270 | 300 | 340 | 0 | 0 | 10 |
| 15 | 50 | 80 | 120 | 150 | 180 | 220 | 260 | 300 | 340 | 380 | 0 | 0 | 10 |
| 16 | 50 | 90 | 130 | 170 | 200 | 240 | 290 | 330 | 370 | 420 | 0 | 0 | 10 |
| 17 | 60 | 110 | 150 | 190 | 220 | 270 | 320 | 370 | 410 | 460 | 0 | 0 | 10 |
| 18 | 70 | 120 | 170 | 210 | 250 | 300 | 360 | 400 | 460 | 510 | 0 | 0 | 10 |
| 19 | 70 | 130 | 180 | 230 | 280 | 330 | 390 | 440 | 500 | 560 | 0 | 0 | 10 |
| 20 | 80 | 150 | 200 | 250 | 300 | 360 | 430 | 490 | 540 | 610 | 0 | 0 | 10 |
| 21 | 90 | 160 | 220 | 280 | 330 | 400 | 470 | 530 | 590 | 660 | 0 | 0 | 10 |
| 22 | 100 | 180 | 240 | 300 | 360 | 430 | 510 | 570 | 640 | 710 | 0 | 0 | 10 |
| 23 | 110 | 190 | 270 | 330 | 390 | 470 | 550 | 620 | 690 | 770 | 0 | 0 | 20 |
| 24 | 120 | 210 | 290 | 360 | 430 | 510 | 590 | 670 | 750 | 830 | 0 | 0 | 20 |
| 25 | 130 | 230 | 310 | 390 | 460 | 550 | 640 | 720 | 800 | 890 | 0 | 0 | 20 |
| 26 | 140 | 250 | 340 | 420 | 500 | 590 | 690 | 770 | 860 | 950 | 0 | 0 | 20 |
| 27 | 150 | 260 | 360 | 450 | 530 | 630 | 740 | 830 | 920 | 1020 | 0 | 0 | 20 |
| 28 | 160 | 280 | 390 | 480 | 570 | 680 | 790 | 880 | 980 | 1080 | 0 | 0 | 20 |
| 29 | 170 | 310 | 420 | 520 | 610 | 720 | 840 | 940 | 1050 | 1150 | 0 | 0 | 20 |
| 30 | 180 | 330 | 450 | 550 | 650 | 770 | 890 | 1000 | 1110 | 1220 | 0 | 0 | 30 |
| 31 | 190 | 350 | 480 | 590 | 700 | 820 | 950 | 1060 | 1180 | 1300 | 0 | 0 | 30 |
| 32 | 210 | 370 | 510 | 630 | 740 | 870 | 1010 | 1130 | 1250 | 1380 | 0 | 0 | 30 |
| 33 | 220 | 400 | 540 | 670 | 790 | 920 | 1070 | 1190 | 1320 | 1450 | 0 | 0 | 30 |
| 34 | 230 | 420 | 570 | 710 | 830 | 980 | 1130 | 1260 | 1400 | 1530 | 0 | 0 | 30 |
| 35 | 250 | 450 | 610 | 750 | 880 | 1030 | 1190 | 1330 | 1470 | 1620 | 0 | 0 | 30 |
| 36 | 260 | 470 | 640 | 790 | 930 | 1090 | 1260 | 1400 | 1550 | 1700 | 0 | 0 | 30 |
| 37 | 280 | 500 | 680 | 830 | 980 | 1150 | 1320 | 1480 | 1630 | 1790 | 0 | 0 | 40 |
| 38 | 290 | 520 | 720 | 880 | 1030 | 1210 | 1390 | 1550 | 1710 | 1880 | 1 | 0 | 40 |
| 39 | 310 | 550 | 750 | 930 | 1090 | 1270 | 1460 | 1630 | 1800 | 1970 | 1 | 0 | 40 |
| 40 | 330 | 580 | 790 | 970 | 1140 | 1330 | 1530 | 1710 | 1890 | 2060 | 1 | 0 | 40 |

Basswood

Cubic foot volume inside bark -Basswood-Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.88 | 1.28 | 2.08 | 2.96 | 3.94 | 5.05 | 6.31 | 7.73 | 9.34 | 11.14 | 13.16 | 15.40 | 0.00 |
| 6 | 1.27 | 1.86 | 2.83 | 3.90 | 5.09 | 6.42 | 7.91 | 9.59 | 11.47 | 13.57 | 15.90 | 18.48 | 0.08 |
| 7 | 1.74 | 2.56 | 3.73 | 5.01 | 6.42 | 8.00 | 9.75 | 11.71 | 13.89 | 16.30 | 18.97 | 21.90 | 0.27 |
| 8 | 2.27 | 3.36 | 4.76 | 6.28 | 7.95 | 9.79 | 11.83 | 14.09 | 16.59 | 19.34 | 22.37 | 25.68 | 0.47 |
| 9 | 2.87 | 4.27 | 5.92 | 7.71 | 9.66 | 11.79 | 14.14 | 16.72 | 19.57 | 22.69 | 26.10 | 29.81 | 0.66 |
| 10 | 3.55 | 5.29 | 7.23 | 9.31 | 11.56 | 14.00 | 16.68 | 19.62 | 22.84 | 26.34 | 30.16 | 34.30 | 0.86 |
| 11 | 4.30 | 6.42 | 8.67 | 11.07 | 13.65 | 16.43 | 19.47 | 22.78 | 26.39 | 30.31 | 34.55 | 39.14 | 1.05 |
| 12 | 5.12 | 7.67 | 10.25 | 13.00 | 15.92 | 19.08 | 22.49 | 26.20 | 30.23 | 34.58 | 39.28 | 44.34 | 1.25 |
| 13 | 6.01 | 9.02 | 11.97 | 15.09 | 18.39 | 21.93 | 25.76 | 29.89 | 34.35 | 39.16 | 44.34 | 49.90 | 1.45 |
| 14 | 6.97 | 10.49 | 13.83 | 17.34 | 21.05 | 25.00 | 29.26 | 33.83 | 38.76 | 44.06 | 49.74 | 55.82 | 1.64 |
| 15 | 8.00 | 12.07 | 15.82 | 19.76 | 23.89 | 28.29 | 33.00 | 38.05 | 43.46 | 49.26 | 55.47 | 62.10 | 1.84 |
| 16 | 9.11 | 13.76 | 17.95 | 22.34 | 26.93 | 31.79 | 36.97 | 42.52 | 48.45 | 54.78 | 61.54 | 68.73 | 2.03 |
| 17 | 10.29 | 15.56 | 20.22 | 25.09 | 30.15 | 35.50 | 41.19 | 47.26 | 53.72 | 60.61 | 67.94 | 75.73 | 2.23 |
| 18 | 11.54 | 17.47 | 22.63 | 28.00 | 33.57 | 39.44 | 45.65 | 52.26 | 59.28 | 66.75 | 74.68 | 83.08 | 2.42 |
| 19 | 12.86 | 19.49 | 25.18 | 31.07 | 37.18 | 43.58 | 50.35 | 57.52 | 65.14 | 73.20 | 81.75 | 90.79 | 2.62 |
| 20 | 14.25 | 21.63 | 27.87 | 34.31 | 40.97 | 47.94 | 55.29 | 63.05 | 71.27 | 79.97 | 89.16 | 98.87 | 2.82 |
| 21 | 15.72 | 23.88 | 30.69 | 37.72 | 44.96 | 52.52 | 60.47 | 68.85 | 77.70 | 87.05 | 96.91 | 107.30 | 3.01 |
| 22 | 17.26 | 26.23 | 33.66 | 41.29 | 49.14 | 57.31 | 65.88 | 74.91 | 84.42 | 94.44 | 105.00 | 116.10 | 3.21 |
| 23 | 18.87 | 28.71 | 36.76 | 45.03 | 53.51 | 62.32 | 71.54 | 81.23 | 91.43 | 102.15 | 113.42 | 125.26 | 3.40 |
| 24 | 20.55 | 31.29 | 40.00 | 48.93 | 58.07 | 67.54 | 77.44 | 87.82 | 98.72 | 110.16 | 122.18 | 134.77 | 3.60 |
| 25 | 22.30 | 33.98 | 43.38 | 53.00 | 62.82 | 72.99 | 83.58 | 94.68 | 106.30 | 118.50 | 131.27 | 144.65 | 3.79 |
| 26 | 24.13 | 36.79 | 46.90 | 57.24 | 67.77 | 78.64 | 89.96 | 101.80 | 114.18 | 127.14 | 140.71 | 154.89 | 3.99 |
| 27 | 26.03 | 39.71 | 50.56 | 61.63 | 72.90 | 84.52 | 96.59 | 109.18 | 122.34 | 136.10 | 150.48 | 165.50 | 4.19 |
| 28 | 28.00 | 42.74 | 54.36 | 66.20 | 78.23 | 90.61 | 103.45 | 116.83 | 130.80 | 145.37 | 160.59 | 176.46 | 4.38 |
| 29 | 30.04 | 45.89 | 58.30 | 70.93 | 83.75 | 96.91 | 110.55 | 124.75 | 139.54 | 154.96 | 171.04 | 187.79 | 4.58 |
| 30 | 32.15 | 49.14 | 62.38 | 75.83 | 89.46 | 103.43 | 117.90 | 132.93 | 148.57 | 164.86 | 181.82 | 199.48 | 4.77 |
| 31 | 34.34 | 52.51 | 66.60 | 80.89 | 95.36 | 110.17 | 125.49 | 141.38 | 157.90 | 175.08 | 192.95 | 211.53 | 4.97 |
| 32 | 36.59 | 55.99 | 70.95 | 86.12 | 101.45 | 117.13 | 133.32 | 150.09 | 167.51 | 185.61 | 204.41 | 223.94 | 5.16 |
| 33 | 38.92 | 59.59 | 75.45 | 91.52 | 107.73 | 124.30 | 141.39 | 159.07 | 177.42 | 196.45 | 216.21 | 236.72 | 5.36 |
| 34 | 41.33 | 63.29 | 80.09 | 97.08 | 114.21 | 131.69 | 149.70 | 168.32 | 187.61 | 207.61 | 228.35 | 249.85 | 5.56 |
| 35 | 43.80 | 67.11 | 84.87 | 102.81 | 120.88 | 139.30 | 158.25 | 177.83 | 198.10 | 219.09 | 240.83 | 263.36 | 5.75 |
| 36 | 46.35 | 71.04 | 89.78 | 108.70 | 127.74 | 147.13 | 167.05 | 187.61 | 208.87 | 230.87 | 253.65 | 277.22 | 5.95 |
| 37 | 48.97 | 75.09 | 94.84 | 114.77 | 134.79 | 155.17 | 176.09 | 197.66 | 219.94 | 242.98 | 266.81 | 291.45 | 6.14 |
| 38 | 51.66 | 79.25 | 100.03 | 120.99 | 142.04 | 163.43 | 185.37 | 207.97 | 231.30 | 255.40 | 280.30 | 306.04 | 6.34 |
| 39 | 54.42 | 83.52 | 105.37 | 127.39 | 149.47 | 171.91 | 194.89 | 218.55 | 242.95 | 268.13 | 294.14 | 320.99 | 6.53 |
| 40 | 57.26 | 87.90 | 110.85 | 133.95 | 157.10 | 180.60 | 204.66 | 229.39 | 254.89 | 281.18 | 308.31 | 336.31 | 6.73 |

Cord volume -Basswood- Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|------|------|------|------|------|------|------|------|------|------|------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.06 | 0.08 | 0.10 | 0.12 | 0.14 | 0.17 | 0.19 | 0.00 |
| 6 | 0.02 | 0.02 | 0.04 | 0.05 | 0.06 | 0.08 | 0.10 | 0.12 | 0.15 | 0.17 | 0.20 | 0.23 | 0.00 |
| 7 | 0.02 | 0.03 | 0.05 | 0.06 | 0.08 | 0.10 | 0.12 | 0.15 | 0.18 | 0.21 | 0.24 | 0.28 | 0.00 |
| 8 | 0.03 | 0.04 | 0.06 | 0.08 | 0.10 | 0.12 | 0.15 | 0.18 | 0.21 | 0.24 | 0.28 | 0.33 | 0.01 |
| 9 | 0.04 | 0.05 | 0.08 | 0.10 | 0.12 | 0.15 | 0.18 | 0.21 | 0.25 | 0.29 | 0.33 | 0.38 | 0.01 |
| 10 | 0.04 | 0.07 | 0.09 | 0.12 | 0.15 | 0.18 | 0.21 | 0.25 | 0.29 | 0.33 | 0.38 | 0.43 | 0.01 |
| 11 | 0.05 | 0.08 | 0.11 | 0.14 | 0.17 | 0.21 | 0.25 | 0.29 | 0.33 | 0.38 | 0.44 | 0.50 | 0.01 |
| 12 | 0.06 | 0.10 | 0.13 | 0.16 | 0.20 | 0.24 | 0.28 | 0.33 | 0.38 | 0.44 | 0.50 | 0.56 | 0.02 |
| 13 | 0.08 | 0.11 | 0.15 | 0.19 | 0.23 | 0.28 | 0.33 | 0.38 | 0.43 | 0.50 | 0.56 | 0.63 | 0.02 |
| 14 | 0.09 | 0.13 | 0.18 | 0.22 | 0.27 | 0.32 | 0.37 | 0.43 | 0.49 | 0.56 | 0.63 | 0.71 | 0.02 |
| 15 | 0.10 | 0.15 | 0.20 | 0.25 | 0.30 | 0.36 | 0.42 | 0.48 | 0.55 | 0.62 | 0.70 | 0.79 | 0.02 |
| 16 | 0.12 | 0.17 | 0.23 | 0.28 | 0.34 | 0.40 | 0.47 | 0.54 | 0.61 | 0.69 | 0.78 | 0.87 | 0.03 |
| 17 | 0.13 | 0.20 | 0.26 | 0.32 | 0.38 | 0.45 | 0.52 | 0.60 | 0.68 | 0.77 | 0.86 | 0.96 | 0.03 |
| 18 | 0.15 | 0.22 | 0.29 | 0.35 | 0.43 | 0.50 | 0.58 | 0.66 | 0.75 | 0.85 | 0.95 | 1.05 | 0.03 |
| 19 | 0.16 | 0.25 | 0.32 | 0.39 | 0.47 | 0.55 | 0.64 | 0.73 | 0.82 | 0.93 | 1.03 | 1.15 | 0.03 |
| 20 | 0.18 | 0.27 | 0.35 | 0.43 | 0.52 | 0.61 | 0.70 | 0.80 | 0.90 | 1.01 | 1.13 | 1.25 | 0.04 |
| 21 | 0.20 | 0.30 | 0.39 | 0.48 | 0.57 | 0.66 | 0.77 | 0.87 | 0.98 | 1.10 | 1.23 | 1.36 | 0.04 |
| 22 | 0.22 | 0.33 | 0.43 | 0.52 | 0.62 | 0.73 | 0.83 | 0.95 | 1.07 | 1.20 | 1.33 | 1.47 | 0.04 |
| 23 | 0.24 | 0.36 | 0.47 | 0.57 | 0.68 | 0.79 | 0.91 | 1.03 | 1.16 | 1.29 | 1.44 | 1.59 | 0.04 |
| 24 | 0.26 | 0.40 | 0.51 | 0.62 | 0.74 | 0.86 | 0.98 | 1.11 | 1.25 | 1.39 | 1.55 | 1.71 | 0.05 |
| 25 | 0.28 | 0.43 | 0.55 | 0.67 | 0.80 | 0.92 | 1.06 | 1.20 | 1.35 | 1.50 | 1.66 | 1.83 | 0.05 |
| 26 | 0.31 | 0.47 | 0.59 | 0.72 | 0.86 | 1.00 | 1.14 | 1.29 | 1.45 | 1.61 | 1.78 | 1.96 | 0.05 |
| 27 | 0.33 | 0.50 | 0.64 | 0.78 | 0.92 | 1.07 | 1.22 | 1.38 | 1.55 | 1.72 | 1.91 | 2.10 | 0.05 |
| 28 | 0.35 | 0.54 | 0.69 | 0.84 | 0.99 | 1.15 | 1.31 | 1.48 | 1.66 | 1.84 | 2.03 | 2.23 | 0.06 |
| 29 | 0.38 | 0.58 | 0.74 | 0.90 | 1.06 | 1.23 | 1.40 | 1.58 | 1.77 | 1.96 | 2.17 | 2.38 | 0.06 |
| 30 | 0.41 | 0.62 | 0.79 | 0.96 | 1.13 | 1.31 | 1.49 | 1.68 | 1.88 | 2.09 | 2.30 | 2.53 | 0.06 |
| 31 | 0.43 | 0.66 | 0.84 | 1.02 | 1.21 | 1.39 | 1.59 | 1.79 | 2.00 | 2.22 | 2.44 | 2.68 | 0.06 |
| 32 | 0.46 | 0.71 | 0.90 | 1.09 | 1.28 | 1.48 | 1.69 | 1.90 | 2.12 | 2.35 | 2.59 | 2.84 | 0.07 |
| 33 | 0.49 | 0.75 | 0.96 | 1.16 | 1.36 | 1.57 | 1.79 | 2.01 | 2.25 | 2.49 | 2.74 | 3.00 | 0.07 |
| 34 | 0.52 | 0.80 | 1.01 | 1.23 | 1.45 | 1.67 | 1.90 | 2.13 | 2.38 | 2.63 | 2.89 | 3.16 | 0.07 |
| 35 | 0.55 | 0.85 | 1.07 | 1.30 | 1.53 | 1.76 | 2.00 | 2.25 | 2.51 | 2.77 | 3.05 | 3.33 | 0.07 |
| 36 | 0.59 | 0.90 | 1.14 | 1.38 | 1.62 | 1.86 | 2.11 | 2.38 | 2.64 | 2.92 | 3.21 | 3.51 | 0.08 |
| 37 | 0.62 | 0.95 | 1.20 | 1.45 | 1.71 | 1.96 | 2.23 | 2.50 | 2.78 | 3.08 | 3.38 | 3.69 | 0.08 |
| 38 | 0.65 | 1.00 | 1.27 | 1.53 | 1.80 | 2.07 | 2.35 | 2.63 | 2.93 | 3.23 | 3.55 | 3.87 | 0.08 |
| 39 | 0.69 | 1.06 | 1.33 | 1.61 | 1.89 | 2.18 | 2.47 | 2.77 | 3.08 | 3.39 | 3.72 | 4.06 | 0.08 |
| 40 | 0.72 | 1.11 | 1.40 | 1.70 | 1.99 | 2.29 | 2.59 | 2.90 | 3.23 | 3.56 | 3.90 | 4.26 | 0.09 |

Cubic foot volume inside bark -Basswood- Sawtimber trees with topwood pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10" DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------|--------------|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch saw* |
| 11 | 4.18 | 7.78 | 11.43 | 14.81 | 18.27 | 22.60 | 27.43 | 31.78 | 36.38 | 41.25 | 5.17 | 1.57 | 1.04 |
| 12 | 4.98 | 9.25 | 13.50 | 17.40 | 21.36 | 26.26 | 31.70 | 36.58 | 41.71 | 47.13 | 5.84 | 1.90 | 1.21 |
| 13 | 5.86 | 10.84 | 15.74 | 20.20 | 24.69 | 30.21 | 36.29 | 41.73 | 47.43 | 53.43 | 6.56 | 2.25 | 1.40 |
| 14 | 6.80 | 12.56 | 18.16 | 23.22 | 28.27 | 34.44 | 41.21 | 47.24 | 53.54 | 60.15 | 7.33 | 2.64 | 1.59 |
| 15 | 7.81 | 14.40 | 20.75 | 26.45 | 32.10 | 38.96 | 46.45 | 53.10 | 60.04 | 67.28 | 8.15 | 3.06 | 1.80 |
| 16 | 8.90 | 16.37 | 23.52 | 29.89 | 36.18 | 43.76 | 52.02 | 59.32 | 66.92 | 74.83 | 9.03 | 3.52 | 2.02 |
| 17 | 10.05 | 18.47 | 26.46 | 33.55 | 40.51 | 48.85 | 57.90 | 65.90 | 74.18 | 82.79 | 9.96 | 4.01 | 2.24 |
| 18 | 11.28 | 20.70 | 29.58 | 37.42 | 45.09 | 54.23 | 64.12 | 72.83 | 81.84 | 91.18 | 10.94 | 4.53 | 2.47 |
| 19 | 12.58 | 23.05 | 32.87 | 41.50 | 49.92 | 59.90 | 70.65 | 80.12 | 89.88 | 99.98 | 11.97 | 5.09 | 2.72 |
| 20 | 13.95 | 25.53 | 36.34 | 45.80 | 55.00 | 65.85 | 77.52 | 87.77 | 98.31 | 109.20 | 13.06 | 5.68 | 2.97 |
| 21 | 15.39 | 28.14 | 39.98 | 50.32 | 60.32 | 72.09 | 84.70 | 95.77 | 107.13 | 118.84 | 14.20 | 6.30 | 3.22 |
| 22 | 16.90 | 30.88 | 43.80 | 55.05 | 65.90 | 78.62 | 92.22 | 104.13 | 116.34 | 128.90 | 15.39 | 6.97 | 3.49 |
| 23 | 18.48 | 33.74 | 47.80 | 59.99 | 71.73 | 85.44 | 100.06 | 112.85 | 125.94 | 139.38 | 16.64 | 7.67 | 3.76 |
| 24 | 20.14 | 36.73 | 51.97 | 65.15 | 77.81 | 92.54 | 108.22 | 121.93 | 135.93 | 150.28 | 17.93 | 8.40 | 4.05 |
| 25 | 21.87 | 39.86 | 56.32 | 70.53 | 84.14 | 99.94 | 116.71 | 131.36 | 146.30 | 161.60 | 19.28 | 9.17 | 4.33 |
| 26 | 23.66 | 43.10 | 60.84 | 76.12 | 90.73 | 107.62 | 125.53 | 141.15 | 157.07 | 173.34 | 20.69 | 9.98 | 4.63 |
| 27 | 25.53 | 46.48 | 65.54 | 81.92 | 97.56 | 115.59 | 134.67 | 151.30 | 168.22 | 185.50 | 22.15 | 10.82 | 4.93 |
| 28 | 27.47 | 49.99 | 70.42 | 87.95 | 104.64 | 123.85 | 144.14 | 161.81 | 179.77 | 198.08 | 23.65 | 11.70 | 5.24 |
| 29 | 29.48 | 53.62 | 75.47 | 94.18 | 111.98 | 132.40 | 153.93 | 172.68 | 191.70 | 211.08 | 25.22 | 12.62 | 5.55 |
| 30 | 31.57 | 57.38 | 80.70 | 100.64 | 119.57 | 141.23 | 164.05 | 183.91 | 204.03 | 224.50 | 26.83 | 13.57 | 5.87 |
| 31 | 33.72 | 61.27 | 86.10 | 107.31 | 127.40 | 150.36 | 174.50 | 195.50 | 216.74 | 238.34 | 28.50 | 14.57 | 6.20 |
| 32 | 35.95 | 65.29 | 91.68 | 114.19 | 135.49 | 159.78 | 185.28 | 207.44 | 229.85 | 252.60 | 30.22 | 15.60 | 6.53 |
| 33 | 38.25 | 69.43 | 97.44 | 121.29 | 143.84 | 169.48 | 196.38 | 219.75 | 243.34 | 267.29 | 32.00 | 16.67 | 6.87 |
| 34 | 40.62 | 73.71 | 103.37 | 128.61 | 152.43 | 179.48 | 207.81 | 232.41 | 257.23 | 282.40 | 33.83 | 17.77 | 7.21 |
| 35 | 43.06 | 78.11 | 109.49 | 136.14 | 161.28 | 189.76 | 219.57 | 245.44 | 271.51 | 297.92 | 35.71 | 18.92 | 7.55 |
| 36 | 45.57 | 82.65 | 115.77 | 143.89 | 170.37 | 200.34 | 231.66 | 258.82 | 286.18 | 313.87 | 37.64 | 20.10 | 7.91 |
| 37 | 48.16 | 87.31 | 122.24 | 151.86 | 179.72 | 211.20 | 244.07 | 272.56 | 301.24 | 330.25 | 39.63 | 21.32 | 8.26 |
| 38 | 50.81 | 92.10 | 128.88 | 160.04 | 189.33 | 222.36 | 256.81 | 286.67 | 316.69 | 347.04 | 41.67 | 22.58 | 8.62 |
| 39 | 53.54 | 97.02 | 135.70 | 168.44 | 199.18 | 233.80 | 269.88 | 301.13 | 332.54 | 364.26 | 43.77 | 23.88 | 8.99 |
| 40 | 56.34 | 102.06 | 142.70 | 177.06 | 209.29 | 245.54 | 283.28 | 315.96 | 348.77 | 381.90 | 45.92 | 25.22 | 9.36 |

Scribner Dec. C bdfv volumes -Basswood- Sawtimber with top pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|--|-----|-----|-----|------|------|------|------|------|------|------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch bdfv* |
| 11 | 20 | 40 | 60 | 80 | 100 | 120 | 150 | 170 | 200 | 220 | 0 | 0 | 10 |
| 12 | 30 | 50 | 70 | 90 | 120 | 140 | 170 | 200 | 230 | 250 | 0 | 0 | 10 |
| 13 | 30 | 60 | 90 | 110 | 130 | 160 | 200 | 230 | 260 | 290 | 0 | 0 | 10 |
| 14 | 40 | 70 | 100 | 130 | 150 | 190 | 220 | 260 | 290 | 320 | 0 | 0 | 10 |
| 15 | 40 | 80 | 110 | 140 | 170 | 210 | 250 | 290 | 320 | 360 | 0 | 0 | 10 |
| 16 | 50 | 90 | 130 | 160 | 200 | 240 | 280 | 320 | 360 | 400 | 0 | 0 | 10 |
| 17 | 50 | 100 | 140 | 180 | 220 | 260 | 310 | 360 | 400 | 450 | 0 | 0 | 10 |
| 18 | 60 | 110 | 160 | 200 | 240 | 290 | 350 | 390 | 440 | 490 | 0 | 0 | 10 |
| 19 | 70 | 120 | 180 | 220 | 270 | 320 | 380 | 430 | 490 | 540 | 0 | 0 | 10 |
| 20 | 80 | 140 | 200 | 250 | 300 | 360 | 420 | 470 | 530 | 590 | 0 | 0 | 20 |
| 21 | 80 | 150 | 220 | 270 | 330 | 390 | 460 | 520 | 580 | 640 | 0 | 0 | 20 |
| 22 | 90 | 170 | 240 | 300 | 360 | 420 | 500 | 560 | 630 | 700 | 0 | 0 | 20 |
| 23 | 100 | 180 | 260 | 320 | 390 | 460 | 540 | 610 | 680 | 750 | 0 | 0 | 20 |
| 24 | 110 | 200 | 280 | 350 | 420 | 500 | 580 | 660 | 730 | 810 | 0 | 0 | 20 |
| 25 | 120 | 220 | 300 | 380 | 450 | 540 | 630 | 710 | 790 | 870 | 0 | 0 | 20 |
| 26 | 130 | 230 | 330 | 410 | 490 | 580 | 680 | 760 | 850 | 940 | 0 | 0 | 20 |
| 27 | 140 | 250 | 350 | 440 | 530 | 620 | 730 | 820 | 910 | 1000 | 0 | 0 | 30 |
| 28 | 150 | 270 | 380 | 470 | 570 | 670 | 780 | 870 | 970 | 1070 | 0 | 0 | 30 |
| 29 | 160 | 290 | 410 | 510 | 600 | 710 | 830 | 930 | 1040 | 1140 | 0 | 0 | 30 |
| 30 | 170 | 310 | 440 | 540 | 650 | 760 | 890 | 990 | 1100 | 1210 | 0 | 0 | 30 |
| 31 | 180 | 330 | 460 | 580 | 690 | 810 | 940 | 1060 | 1170 | 1290 | 0 | 0 | 30 |
| 32 | 190 | 350 | 500 | 620 | 730 | 860 | 1000 | 1120 | 1240 | 1360 | 0 | 0 | 40 |
| 33 | 210 | 370 | 530 | 650 | 780 | 920 | 1060 | 1190 | 1310 | 1440 | 0 | 0 | 40 |
| 34 | 220 | 400 | 560 | 690 | 820 | 970 | 1120 | 1260 | 1390 | 1520 | 0 | 0 | 40 |
| 35 | 230 | 420 | 590 | 740 | 870 | 1020 | 1190 | 1330 | 1470 | 1610 | 0 | 0 | 40 |
| 36 | 250 | 450 | 630 | 780 | 920 | 1080 | 1250 | 1400 | 1550 | 1690 | 0 | 0 | 40 |
| 37 | 260 | 470 | 660 | 820 | 970 | 1140 | 1320 | 1470 | 1630 | 1780 | 1 | 0 | 40 |
| 38 | 270 | 500 | 700 | 860 | 1020 | 1200 | 1390 | 1550 | 1710 | 1870 | 1 | 0 | 50 |
| 39 | 290 | 520 | 730 | 910 | 1080 | 1260 | 1460 | 1630 | 1800 | 1970 | 1 | 0 | 50 |
| 40 | 300 | 550 | 770 | 960 | 1130 | 1330 | 1530 | 1710 | 1880 | 2060 | 1 | 0 | 50 |

Beech

Cubic foot volume inside bark -Beech, American- Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.88 | 1.49 | 2.35 | 3.28 | 4.33 | 5.53 | 6.89 | 8.44 | 10.18 | 12.13 | 14.31 | 16.73 | 0.00 |
| 6 | 1.27 | 2.15 | 3.20 | 4.31 | 5.57 | 6.98 | 8.59 | 10.39 | 12.41 | 14.66 | 17.16 | 19.92 | 0.08 |
| 7 | 1.74 | 2.93 | 4.19 | 5.52 | 7.00 | 8.66 | 10.53 | 12.61 | 14.94 | 17.51 | 20.35 | 23.48 | 0.27 |
| 8 | 2.27 | 3.83 | 5.34 | 6.91 | 8.64 | 10.57 | 12.72 | 15.11 | 17.76 | 20.68 | 23.89 | 27.40 | 0.47 |
| 9 | 2.87 | 4.86 | 6.64 | 8.47 | 10.48 | 12.70 | 15.16 | 17.89 | 20.88 | 24.18 | 27.77 | 31.70 | 0.66 |
| 10 | 3.55 | 6.00 | 8.09 | 10.22 | 12.52 | 15.06 | 17.86 | 20.93 | 24.31 | 27.99 | 32.00 | 36.36 | 0.86 |
| 11 | 4.30 | 7.27 | 9.70 | 12.13 | 14.76 | 17.64 | 20.80 | 24.25 | 28.03 | 32.13 | 36.58 | 41.39 | 1.05 |
| 12 | 5.12 | 8.67 | 11.45 | 14.23 | 17.21 | 20.45 | 23.99 | 27.85 | 32.04 | 36.59 | 41.50 | 46.79 | 1.25 |
| 13 | 6.01 | 10.18 | 13.36 | 16.51 | 19.86 | 23.49 | 27.44 | 31.72 | 36.36 | 41.37 | 46.77 | 52.57 | 1.45 |
| 14 | 6.97 | 11.82 | 15.42 | 18.96 | 22.71 | 26.76 | 31.14 | 35.87 | 40.98 | 46.48 | 52.38 | 58.71 | 1.64 |
| 15 | 8.00 | 13.59 | 17.63 | 21.59 | 25.76 | 30.25 | 35.08 | 40.29 | 45.90 | 51.91 | 58.34 | 65.22 | 1.84 |
| 16 | 9.11 | 15.47 | 20.00 | 24.40 | 29.02 | 33.97 | 39.28 | 44.99 | 51.11 | 57.66 | 64.65 | 72.11 | 2.03 |
| 17 | 10.29 | 17.48 | 22.51 | 27.39 | 32.48 | 37.92 | 43.74 | 49.97 | 56.63 | 63.74 | 71.31 | 79.36 | 2.23 |
| 18 | 11.54 | 19.62 | 25.18 | 30.56 | 36.15 | 42.09 | 48.44 | 55.22 | 62.45 | 70.14 | 78.31 | 86.99 | 2.42 |
| 19 | 12.86 | 21.87 | 28.01 | 33.90 | 40.02 | 46.50 | 53.40 | 60.75 | 68.56 | 76.86 | 85.67 | 94.99 | 2.62 |
| 20 | 14.25 | 24.25 | 30.98 | 37.43 | 44.09 | 51.13 | 58.61 | 66.56 | 74.98 | 83.92 | 93.37 | 103.36 | 2.82 |
| 21 | 15.72 | 26.76 | 34.11 | 41.13 | 48.37 | 56.00 | 64.08 | 72.64 | 81.70 | 91.29 | 101.42 | 112.10 | 3.01 |
| 22 | 17.26 | 29.39 | 37.40 | 45.02 | 52.85 | 61.09 | 69.79 | 79.00 | 88.72 | 98.99 | 109.82 | 121.22 | 3.21 |
| 23 | 18.87 | 32.14 | 40.83 | 49.08 | 57.54 | 66.41 | 75.76 | 85.64 | 96.05 | 107.02 | 118.57 | 130.71 | 3.40 |
| 24 | 20.55 | 35.02 | 44.42 | 53.32 | 62.43 | 71.96 | 81.99 | 92.55 | 103.67 | 115.37 | 127.66 | 140.57 | 3.60 |
| 25 | 22.30 | 38.02 | 48.17 | 57.75 | 67.52 | 77.74 | 88.46 | 99.74 | 111.60 | 124.05 | 137.11 | 150.81 | 3.79 |
| 26 | 24.13 | 41.15 | 52.07 | 62.35 | 72.82 | 83.74 | 95.19 | 107.21 | 119.83 | 133.05 | 146.91 | 161.42 | 3.99 |
| 27 | 26.03 | 44.40 | 56.12 | 67.13 | 78.33 | 89.98 | 102.18 | 114.96 | 128.36 | 142.38 | 157.05 | 172.40 | 4.19 |
| 28 | 28.00 | 47.77 | 60.32 | 72.09 | 84.04 | 96.45 | 109.42 | 122.99 | 137.19 | 152.03 | 167.55 | 183.76 | 4.38 |
| 29 | 30.04 | 51.27 | 64.68 | 77.23 | 89.95 | 103.14 | 116.91 | 131.29 | 146.32 | 162.02 | 178.40 | 195.48 | 4.58 |
| 30 | 32.15 | 54.90 | 69.20 | 82.56 | 96.07 | 110.07 | 124.66 | 139.88 | 155.76 | 172.32 | 189.59 | 207.59 | 4.77 |
| 31 | 34.34 | 58.64 | 73.86 | 88.06 | 102.40 | 117.22 | 132.66 | 148.74 | 165.50 | 182.96 | 201.14 | 220.07 | 4.97 |
| 32 | 36.59 | 62.52 | 78.68 | 93.74 | 108.93 | 124.61 | 140.91 | 157.88 | 175.54 | 193.92 | 213.04 | 232.92 | 5.16 |
| 33 | 38.92 | 66.51 | 83.66 | 99.61 | 115.66 | 132.23 | 149.42 | 167.30 | 185.88 | 205.21 | 225.29 | 246.15 | 5.36 |
| 34 | 41.33 | 70.64 | 88.79 | 105.65 | 122.60 | 140.07 | 158.18 | 176.99 | 196.53 | 216.82 | 237.89 | 259.75 | 5.56 |
| 35 | 43.80 | 74.88 | 94.07 | 111.87 | 129.75 | 148.15 | 167.20 | 186.97 | 207.48 | 228.76 | 250.84 | 273.72 | 5.75 |
| 36 | 46.35 | 79.26 | 99.51 | 118.28 | 137.10 | 156.45 | 176.48 | 197.23 | 218.74 | 241.03 | 264.14 | 288.07 | 5.95 |
| 37 | 48.97 | 83.75 | 105.11 | 124.86 | 144.66 | 164.99 | 186.00 | 207.76 | 230.29 | 253.63 | 277.79 | 302.80 | 6.14 |
| 38 | 51.66 | 88.37 | 110.85 | 131.63 | 152.43 | 173.76 | 195.79 | 218.57 | 242.15 | 266.55 | 291.79 | 317.90 | 6.34 |
| 39 | 54.42 | 93.12 | 116.75 | 138.58 | 160.40 | 182.76 | 205.82 | 229.67 | 254.32 | 279.80 | 306.15 | 333.38 | 6.53 |
| 40 | 57.26 | 97.99 | 122.81 | 145.70 | 168.57 | 191.98 | 216.12 | 241.04 | 266.79 | 293.38 | 320.85 | 349.23 | 6.73 |

Cord volume -Beech, American- Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|------|------|------|------|------|------|------|------|------|------|------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.09 | 0.11 | 0.13 | 0.15 | 0.18 | 0.21 | 0.00 |
| 6 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.09 | 0.11 | 0.13 | 0.16 | 0.19 | 0.22 | 0.25 | 0.00 |
| 7 | 0.02 | 0.04 | 0.05 | 0.07 | 0.09 | 0.11 | 0.13 | 0.16 | 0.19 | 0.22 | 0.26 | 0.30 | 0.00 |
| 8 | 0.03 | 0.05 | 0.07 | 0.09 | 0.11 | 0.13 | 0.16 | 0.19 | 0.22 | 0.26 | 0.30 | 0.35 | 0.01 |
| 9 | 0.04 | 0.06 | 0.08 | 0.11 | 0.13 | 0.16 | 0.19 | 0.23 | 0.26 | 0.31 | 0.35 | 0.40 | 0.01 |
| 10 | 0.04 | 0.08 | 0.10 | 0.13 | 0.16 | 0.19 | 0.23 | 0.27 | 0.31 | 0.35 | 0.41 | 0.46 | 0.01 |
| 11 | 0.05 | 0.09 | 0.12 | 0.15 | 0.19 | 0.22 | 0.26 | 0.31 | 0.35 | 0.41 | 0.46 | 0.52 | 0.01 |
| 12 | 0.06 | 0.11 | 0.14 | 0.18 | 0.22 | 0.26 | 0.30 | 0.35 | 0.41 | 0.46 | 0.53 | 0.59 | 0.02 |
| 13 | 0.08 | 0.13 | 0.17 | 0.21 | 0.25 | 0.30 | 0.35 | 0.40 | 0.46 | 0.52 | 0.59 | 0.67 | 0.02 |
| 14 | 0.09 | 0.15 | 0.20 | 0.24 | 0.29 | 0.34 | 0.39 | 0.45 | 0.52 | 0.59 | 0.66 | 0.74 | 0.02 |
| 15 | 0.10 | 0.17 | 0.22 | 0.27 | 0.33 | 0.38 | 0.44 | 0.51 | 0.58 | 0.66 | 0.74 | 0.83 | 0.02 |
| 16 | 0.12 | 0.20 | 0.25 | 0.31 | 0.37 | 0.43 | 0.50 | 0.57 | 0.65 | 0.73 | 0.82 | 0.91 | 0.03 |
| 17 | 0.13 | 0.22 | 0.29 | 0.35 | 0.41 | 0.48 | 0.55 | 0.63 | 0.72 | 0.81 | 0.90 | 1.00 | 0.03 |
| 18 | 0.15 | 0.25 | 0.32 | 0.39 | 0.46 | 0.53 | 0.61 | 0.70 | 0.79 | 0.89 | 0.99 | 1.10 | 0.03 |
| 19 | 0.16 | 0.28 | 0.35 | 0.43 | 0.51 | 0.59 | 0.68 | 0.77 | 0.87 | 0.97 | 1.08 | 1.20 | 0.03 |
| 20 | 0.18 | 0.31 | 0.39 | 0.47 | 0.56 | 0.65 | 0.74 | 0.84 | 0.95 | 1.06 | 1.18 | 1.31 | 0.04 |
| 21 | 0.20 | 0.34 | 0.43 | 0.52 | 0.61 | 0.71 | 0.81 | 0.92 | 1.03 | 1.16 | 1.28 | 1.42 | 0.04 |
| 22 | 0.22 | 0.37 | 0.47 | 0.57 | 0.67 | 0.77 | 0.88 | 1.00 | 1.12 | 1.25 | 1.39 | 1.53 | 0.04 |
| 23 | 0.24 | 0.41 | 0.52 | 0.62 | 0.73 | 0.84 | 0.96 | 1.08 | 1.22 | 1.35 | 1.50 | 1.65 | 0.04 |
| 24 | 0.26 | 0.44 | 0.56 | 0.68 | 0.79 | 0.91 | 1.04 | 1.17 | 1.31 | 1.46 | 1.62 | 1.78 | 0.05 |
| 25 | 0.28 | 0.48 | 0.61 | 0.73 | 0.85 | 0.98 | 1.12 | 1.26 | 1.41 | 1.57 | 1.74 | 1.91 | 0.05 |
| 26 | 0.31 | 0.52 | 0.66 | 0.79 | 0.92 | 1.06 | 1.21 | 1.36 | 1.52 | 1.68 | 1.86 | 2.04 | 0.05 |
| 27 | 0.33 | 0.56 | 0.71 | 0.85 | 0.99 | 1.14 | 1.29 | 1.46 | 1.62 | 1.80 | 1.99 | 2.18 | 0.05 |
| 28 | 0.35 | 0.60 | 0.76 | 0.91 | 1.06 | 1.22 | 1.39 | 1.56 | 1.74 | 1.92 | 2.12 | 2.33 | 0.06 |
| 29 | 0.38 | 0.65 | 0.82 | 0.98 | 1.14 | 1.31 | 1.48 | 1.66 | 1.85 | 2.05 | 2.26 | 2.47 | 0.06 |
| 30 | 0.41 | 0.69 | 0.88 | 1.05 | 1.22 | 1.39 | 1.58 | 1.77 | 1.97 | 2.18 | 2.40 | 2.63 | 0.06 |
| 31 | 0.43 | 0.74 | 0.94 | 1.11 | 1.30 | 1.48 | 1.68 | 1.88 | 2.10 | 2.32 | 2.55 | 2.79 | 0.06 |
| 32 | 0.46 | 0.79 | 1.00 | 1.19 | 1.38 | 1.58 | 1.78 | 2.00 | 2.22 | 2.46 | 2.70 | 2.95 | 0.07 |
| 33 | 0.49 | 0.84 | 1.06 | 1.26 | 1.46 | 1.67 | 1.89 | 2.12 | 2.35 | 2.60 | 2.85 | 3.12 | 0.07 |
| 34 | 0.52 | 0.89 | 1.12 | 1.34 | 1.55 | 1.77 | 2.00 | 2.24 | 2.49 | 2.74 | 3.01 | 3.29 | 0.07 |
| 35 | 0.55 | 0.95 | 1.19 | 1.42 | 1.64 | 1.88 | 2.12 | 2.37 | 2.63 | 2.90 | 3.18 | 3.47 | 0.07 |
| 36 | 0.59 | 1.00 | 1.26 | 1.50 | 1.74 | 1.98 | 2.23 | 2.50 | 2.77 | 3.05 | 3.34 | 3.65 | 0.08 |
| 37 | 0.62 | 1.06 | 1.33 | 1.58 | 1.83 | 2.09 | 2.35 | 2.63 | 2.92 | 3.21 | 3.52 | 3.83 | 0.08 |
| 38 | 0.65 | 1.12 | 1.40 | 1.67 | 1.93 | 2.20 | 2.48 | 2.77 | 3.07 | 3.37 | 3.69 | 4.02 | 0.08 |
| 39 | 0.69 | 1.18 | 1.48 | 1.75 | 2.03 | 2.31 | 2.61 | 2.91 | 3.22 | 3.54 | 3.88 | 4.22 | 0.08 |
| 40 | 0.72 | 1.24 | 1.55 | 1.84 | 2.13 | 2.43 | 2.74 | 3.05 | 3.38 | 3.71 | 4.06 | 4.42 | 0.09 |

Cubic foot volume inside bark -Beech, American- Sawtimber trees with topwood pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------|--------------|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch saw* |
| 11 | 4.82 | 8.92 | 12.68 | 16.10 | 19.50 | 23.67 | 28.25 | 32.30 | 36.53 | 40.95 | 5.04 | 2.28 | 1.34 |
| 12 | 5.75 | 10.63 | 15.04 | 19.00 | 22.92 | 27.69 | 32.89 | 37.47 | 42.23 | 47.19 | 5.69 | 2.75 | 1.56 |
| 13 | 6.76 | 12.49 | 17.61 | 22.16 | 26.63 | 32.03 | 37.90 | 43.05 | 48.37 | 53.90 | 6.41 | 3.26 | 1.80 |
| 14 | 7.85 | 14.49 | 20.38 | 25.57 | 30.63 | 36.70 | 43.28 | 49.03 | 54.95 | 61.09 | 7.17 | 3.82 | 2.04 |
| 15 | 9.02 | 16.65 | 23.35 | 29.22 | 34.91 | 41.70 | 49.03 | 55.41 | 61.97 | 68.75 | 7.99 | 4.43 | 2.30 |
| 16 | 10.28 | 18.96 | 26.53 | 33.12 | 39.48 | 47.03 | 55.16 | 62.20 | 69.43 | 76.88 | 8.87 | 5.08 | 2.58 |
| 17 | 11.61 | 21.42 | 29.92 | 37.28 | 44.34 | 52.69 | 61.65 | 69.40 | 77.33 | 85.49 | 9.80 | 5.79 | 2.86 |
| 18 | 13.03 | 24.04 | 33.51 | 41.68 | 49.49 | 58.68 | 68.51 | 77.00 | 85.67 | 94.56 | 10.79 | 6.54 | 3.16 |
| 19 | 14.54 | 26.80 | 37.30 | 46.33 | 54.92 | 65.00 | 75.75 | 85.01 | 94.45 | 104.12 | 11.83 | 7.34 | 3.46 |
| 20 | 16.12 | 29.71 | 41.30 | 51.22 | 60.64 | 71.65 | 83.36 | 93.43 | 103.67 | 114.14 | 12.92 | 8.19 | 3.78 |
| 21 | 17.79 | 32.78 | 45.51 | 56.37 | 66.66 | 78.63 | 91.34 | 102.25 | 113.33 | 124.64 | 14.07 | 9.09 | 4.10 |
| 22 | 19.54 | 36.00 | 49.92 | 61.77 | 72.96 | 85.94 | 99.69 | 111.48 | 123.44 | 135.62 | 15.28 | 10.05 | 4.44 |
| 23 | 21.37 | 39.37 | 54.54 | 67.42 | 79.55 | 93.58 | 108.41 | 121.12 | 133.98 | 147.07 | 16.54 | 11.05 | 4.78 |
| 24 | 23.29 | 42.89 | 59.36 | 73.32 | 86.43 | 101.55 | 117.51 | 131.17 | 144.97 | 158.99 | 17.86 | 12.10 | 5.13 |
| 25 | 25.29 | 46.56 | 64.40 | 79.47 | 93.59 | 109.86 | 126.98 | 141.62 | 156.40 | 171.39 | 19.23 | 13.21 | 5.49 |
| 26 | 27.37 | 50.38 | 69.63 | 85.87 | 101.05 | 118.49 | 136.82 | 152.49 | 168.27 | 184.27 | 20.66 | 14.37 | 5.86 |
| 27 | 29.53 | 54.36 | 75.08 | 92.52 | 108.80 | 127.46 | 147.04 | 163.76 | 180.59 | 197.62 | 22.14 | 15.58 | 6.23 |
| 28 | 31.78 | 58.49 | 80.73 | 99.42 | 116.84 | 136.76 | 157.63 | 175.44 | 193.35 | 211.45 | 23.68 | 16.84 | 6.62 |
| 29 | 34.11 | 62.77 | 86.58 | 106.57 | 125.16 | 146.38 | 168.60 | 187.53 | 206.55 | 225.76 | 25.28 | 18.16 | 7.01 |
| 30 | 36.52 | 67.20 | 92.65 | 113.97 | 133.78 | 156.35 | 179.93 | 200.03 | 220.19 | 240.54 | 26.93 | 19.52 | 7.40 |
| 31 | 39.02 | 71.79 | 98.92 | 121.62 | 142.69 | 166.64 | 191.65 | 212.93 | 234.28 | 255.80 | 28.63 | 20.95 | 7.81 |
| 32 | 41.60 | 76.52 | 105.40 | 129.52 | 151.89 | 177.26 | 203.73 | 226.25 | 248.81 | 271.53 | 30.39 | 22.42 | 8.21 |
| 33 | 44.26 | 81.41 | 112.08 | 137.68 | 161.37 | 188.22 | 216.19 | 239.98 | 263.78 | 287.74 | 32.21 | 23.95 | 8.63 |
| 34 | 47.00 | 86.46 | 118.97 | 146.08 | 171.15 | 199.51 | 229.03 | 254.12 | 279.20 | 304.43 | 34.08 | 25.54 | 9.05 |
| 35 | 49.83 | 91.65 | 126.07 | 154.74 | 181.22 | 211.13 | 242.24 | 268.66 | 295.06 | 321.60 | 36.01 | 27.18 | 9.48 |
| 36 | 52.74 | 97.00 | 133.38 | 163.65 | 191.58 | 223.09 | 255.82 | 283.62 | 311.37 | 339.24 | 37.99 | 28.87 | 9.91 |
| 37 | 55.74 | 102.50 | 140.89 | 172.81 | 202.23 | 235.38 | 269.78 | 298.98 | 328.12 | 357.37 | 40.03 | 30.62 | 10.34 |
| 38 | 58.81 | 108.15 | 148.61 | 182.22 | 213.18 | 248.00 | 284.12 | 314.76 | 345.32 | 375.97 | 42.13 | 32.42 | 10.78 |
| 39 | 61.97 | 113.96 | 156.54 | 191.88 | 224.41 | 260.95 | 298.83 | 330.95 | 362.96 | 395.05 | 44.28 | 34.28 | 11.23 |
| 40 | 65.22 | 119.91 | 164.68 | 201.80 | 235.93 | 274.24 | 313.91 | 347.55 | 381.04 | 414.60 | 46.48 | 36.20 | 11.68 |

Scribner Dec. C bdfv volumes -Beech, American- Sawtimber with top pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|--|-----|-----|------|------|------|------|------|------|------|------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch bdfv* |
| 11 | 30 | 50 | 70 | 90 | 110 | 130 | 150 | 170 | 200 | 220 | 0 | 0 | 10 |
| 12 | 30 | 60 | 80 | 100 | 120 | 150 | 180 | 200 | 230 | 250 | 0 | 0 | 10 |
| 13 | 40 | 70 | 100 | 120 | 140 | 170 | 200 | 230 | 260 | 290 | 0 | 0 | 10 |
| 14 | 40 | 80 | 110 | 140 | 170 | 200 | 230 | 260 | 300 | 330 | 0 | 0 | 10 |
| 15 | 50 | 90 | 130 | 160 | 190 | 230 | 260 | 300 | 330 | 370 | 0 | 0 | 10 |
| 16 | 60 | 100 | 140 | 180 | 210 | 250 | 300 | 340 | 370 | 420 | 0 | 0 | 10 |
| 17 | 60 | 120 | 160 | 200 | 240 | 280 | 330 | 370 | 420 | 460 | 0 | 0 | 20 |
| 18 | 70 | 130 | 180 | 230 | 270 | 320 | 370 | 420 | 460 | 510 | 0 | 0 | 20 |
| 19 | 80 | 140 | 200 | 250 | 300 | 350 | 410 | 460 | 510 | 560 | 0 | 0 | 20 |
| 20 | 90 | 160 | 220 | 280 | 330 | 390 | 450 | 500 | 560 | 620 | 0 | 0 | 20 |
| 21 | 100 | 180 | 250 | 300 | 360 | 420 | 490 | 550 | 610 | 670 | 0 | 0 | 20 |
| 22 | 110 | 190 | 270 | 330 | 390 | 460 | 540 | 600 | 670 | 730 | 0 | 0 | 20 |
| 23 | 120 | 210 | 290 | 360 | 430 | 510 | 590 | 650 | 720 | 790 | 0 | 0 | 30 |
| 24 | 130 | 230 | 320 | 400 | 470 | 550 | 630 | 710 | 780 | 860 | 0 | 0 | 30 |
| 25 | 140 | 250 | 350 | 430 | 510 | 590 | 690 | 760 | 840 | 930 | 0 | 0 | 30 |
| 26 | 150 | 270 | 380 | 460 | 550 | 640 | 740 | 820 | 910 | 1000 | 0 | 0 | 30 |
| 27 | 160 | 290 | 410 | 500 | 590 | 690 | 790 | 880 | 980 | 1070 | 0 | 0 | 30 |
| 28 | 170 | 320 | 440 | 540 | 630 | 740 | 850 | 950 | 1040 | 1140 | 0 | 0 | 40 |
| 29 | 180 | 340 | 470 | 580 | 680 | 790 | 910 | 1010 | 1120 | 1220 | 0 | 0 | 40 |
| 30 | 200 | 360 | 500 | 620 | 720 | 840 | 970 | 1080 | 1190 | 1300 | 0 | 0 | 40 |
| 31 | 210 | 390 | 530 | 660 | 770 | 900 | 1030 | 1150 | 1270 | 1380 | 0 | 0 | 40 |
| 32 | 220 | 410 | 570 | 700 | 820 | 960 | 1100 | 1220 | 1340 | 1470 | 0 | 0 | 40 |
| 33 | 240 | 440 | 610 | 740 | 870 | 1020 | 1170 | 1300 | 1420 | 1550 | 0 | 0 | 50 |
| 34 | 250 | 470 | 640 | 790 | 920 | 1080 | 1240 | 1370 | 1510 | 1640 | 0 | 0 | 50 |
| 35 | 270 | 490 | 680 | 840 | 980 | 1140 | 1310 | 1450 | 1590 | 1740 | 0 | 0 | 50 |
| 36 | 280 | 520 | 720 | 880 | 1030 | 1200 | 1380 | 1530 | 1680 | 1830 | 0 | 0 | 50 |
| 37 | 300 | 550 | 760 | 930 | 1090 | 1270 | 1460 | 1610 | 1770 | 1930 | 1 | 0 | 60 |
| 38 | 320 | 580 | 800 | 980 | 1150 | 1340 | 1530 | 1700 | 1860 | 2030 | 1 | 0 | 60 |
| 39 | 330 | 620 | 850 | 1040 | 1210 | 1410 | 1610 | 1790 | 1960 | 2130 | 1 | 0 | 60 |
| 40 | 350 | 650 | 890 | 1090 | 1270 | 1480 | 1700 | 1880 | 2060 | 2240 | 1 | 0 | 60 |

Birch, paper

Cubic foot volume inside bark -Birch, Paper- Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.88 | 1.62 | 2.37 | 3.25 | 4.29 | 5.47 | 6.83 | 8.38 | 10.13 | 12.09 | 14.30 | 16.75 | 0.00 |
| 6 | 1.27 | 2.33 | 3.23 | 4.29 | 5.52 | 6.93 | 8.53 | 10.34 | 12.38 | 14.66 | 17.20 | 20.01 | 0.08 |
| 7 | 1.74 | 3.17 | 4.25 | 5.52 | 6.97 | 8.63 | 10.50 | 12.60 | 14.95 | 17.57 | 20.46 | 23.66 | 0.27 |
| 8 | 2.27 | 4.15 | 5.44 | 6.93 | 8.63 | 10.56 | 12.73 | 15.15 | 17.84 | 20.82 | 24.10 | 27.71 | 0.47 |
| 9 | 2.87 | 5.26 | 6.78 | 8.53 | 10.51 | 12.73 | 15.22 | 17.98 | 21.04 | 24.41 | 28.10 | 32.14 | 0.66 |
| 10 | 3.55 | 6.51 | 8.28 | 10.31 | 12.59 | 15.14 | 17.97 | 21.11 | 24.55 | 28.33 | 32.46 | 36.96 | 0.86 |
| 11 | 4.30 | 7.89 | 9.95 | 12.28 | 14.89 | 17.79 | 20.99 | 24.52 | 28.38 | 32.60 | 37.19 | 42.17 | 1.05 |
| 12 | 5.12 | 9.41 | 11.77 | 14.43 | 17.39 | 20.67 | 24.27 | 28.21 | 32.52 | 37.20 | 42.28 | 47.77 | 1.25 |
| 13 | 6.01 | 11.06 | 13.75 | 16.77 | 20.11 | 23.79 | 27.81 | 32.20 | 36.97 | 42.14 | 47.73 | 53.76 | 1.45 |
| 14 | 6.97 | 12.84 | 15.89 | 19.29 | 23.04 | 27.14 | 31.61 | 36.47 | 41.74 | 47.42 | 53.55 | 60.13 | 1.64 |
| 15 | 8.00 | 14.76 | 18.19 | 22.00 | 26.18 | 30.73 | 35.68 | 41.03 | 46.81 | 53.04 | 59.73 | 66.89 | 1.84 |
| 16 | 9.11 | 16.82 | 20.65 | 24.89 | 29.53 | 34.56 | 40.00 | 45.88 | 52.20 | 58.99 | 66.27 | 74.04 | 2.03 |
| 17 | 10.29 | 19.01 | 23.28 | 27.97 | 33.09 | 38.62 | 44.59 | 51.01 | 57.90 | 65.28 | 73.17 | 81.58 | 2.23 |
| 18 | 11.54 | 21.33 | 26.06 | 31.24 | 36.86 | 42.92 | 49.44 | 56.43 | 63.92 | 71.91 | 80.44 | 89.51 | 2.42 |
| 19 | 12.86 | 23.79 | 29.00 | 34.69 | 40.84 | 47.46 | 54.55 | 62.14 | 70.25 | 78.88 | 88.07 | 97.82 | 2.62 |
| 20 | 14.25 | 26.38 | 32.10 | 38.33 | 45.04 | 52.24 | 59.93 | 68.14 | 76.89 | 86.19 | 96.06 | 106.53 | 2.82 |
| 21 | 15.72 | 29.11 | 35.37 | 42.15 | 49.45 | 57.25 | 65.57 | 74.43 | 83.84 | 93.83 | 104.42 | 115.62 | 3.01 |
| 22 | 17.26 | 31.98 | 38.79 | 46.16 | 54.07 | 62.50 | 71.47 | 81.00 | 91.11 | 101.81 | 113.14 | 125.10 | 3.21 |
| 23 | 18.87 | 34.98 | 42.38 | 50.36 | 58.90 | 67.98 | 77.63 | 87.86 | 98.69 | 110.14 | 122.22 | 134.97 | 3.40 |
| 24 | 20.55 | 38.11 | 46.12 | 54.75 | 63.94 | 73.71 | 84.06 | 95.01 | 106.58 | 118.80 | 131.67 | 145.23 | 3.60 |
| 25 | 22.30 | 41.39 | 50.03 | 59.31 | 69.20 | 79.67 | 90.75 | 102.45 | 114.79 | 127.79 | 141.48 | 155.88 | 3.79 |
| 26 | 24.13 | 44.79 | 54.10 | 64.07 | 74.66 | 85.87 | 97.70 | 110.17 | 123.31 | 137.13 | 151.66 | 166.92 | 3.99 |
| 27 | 26.03 | 48.34 | 58.33 | 69.01 | 80.34 | 92.31 | 104.92 | 118.19 | 132.15 | 146.81 | 162.20 | 178.34 | 4.19 |
| 28 | 28.00 | 52.02 | 62.72 | 74.14 | 86.24 | 98.98 | 112.40 | 126.49 | 141.30 | 156.83 | 173.11 | 190.16 | 4.38 |
| 29 | 30.04 | 55.83 | 67.27 | 79.46 | 92.34 | 105.90 | 120.14 | 135.09 | 150.76 | 167.18 | 184.38 | 202.37 | 4.58 |
| 30 | 32.15 | 59.78 | 71.99 | 84.97 | 98.66 | 113.05 | 128.15 | 143.97 | 160.54 | 177.88 | 196.02 | 214.97 | 4.77 |
| 31 | 34.34 | 63.87 | 76.86 | 90.66 | 105.19 | 120.44 | 136.42 | 153.14 | 170.63 | 188.92 | 208.02 | 227.96 | 4.97 |
| 32 | 36.59 | 68.09 | 81.90 | 96.54 | 111.93 | 128.07 | 144.95 | 162.60 | 181.04 | 200.29 | 220.38 | 241.33 | 5.16 |
| 33 | 38.92 | 72.45 | 87.10 | 102.60 | 118.89 | 135.93 | 153.75 | 172.35 | 191.76 | 212.01 | 233.12 | 255.10 | 5.36 |
| 34 | 41.33 | 76.95 | 92.46 | 108.85 | 126.06 | 144.04 | 162.81 | 182.39 | 202.80 | 224.07 | 246.21 | 269.26 | 5.56 |
| 35 | 43.80 | 81.58 | 97.98 | 115.29 | 133.44 | 152.38 | 172.14 | 192.72 | 214.15 | 236.46 | 259.68 | 283.82 | 5.75 |
| 36 | 46.35 | 86.35 | 103.66 | 121.92 | 141.03 | 160.97 | 181.73 | 203.34 | 225.82 | 249.20 | 273.51 | 298.76 | 5.95 |
| 37 | 48.97 | 91.25 | 109.51 | 128.74 | 148.84 | 169.79 | 191.58 | 214.25 | 237.80 | 262.28 | 287.70 | 314.09 | 6.14 |
| 38 | 51.66 | 96.29 | 115.51 | 135.74 | 156.86 | 178.85 | 201.70 | 225.44 | 250.10 | 275.70 | 302.26 | 329.82 | 6.34 |
| 39 | 54.42 | 101.47 | 121.68 | 142.93 | 165.10 | 188.15 | 212.09 | 236.93 | 262.71 | 289.46 | 317.19 | 345.93 | 6.53 |
| 40 | 57.26 | 106.78 | 128.01 | 150.31 | 173.55 | 197.69 | 222.74 | 248.71 | 275.64 | 303.56 | 332.48 | 362.44 | 6.73 |

Cord volume -Birch, Paper- Trees with pulpwod only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|------|------|------|------|------|------|------|------|------|------|------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.09 | 0.11 | 0.13 | 0.15 | 0.18 | 0.21 | 0.00 |
| 6 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.09 | 0.11 | 0.13 | 0.16 | 0.19 | 0.22 | 0.25 | 0.00 |
| 7 | 0.02 | 0.04 | 0.05 | 0.07 | 0.09 | 0.11 | 0.13 | 0.16 | 0.19 | 0.22 | 0.26 | 0.30 | 0.00 |
| 8 | 0.03 | 0.05 | 0.07 | 0.09 | 0.11 | 0.13 | 0.16 | 0.19 | 0.23 | 0.26 | 0.31 | 0.35 | 0.01 |
| 9 | 0.04 | 0.07 | 0.09 | 0.11 | 0.13 | 0.16 | 0.19 | 0.23 | 0.27 | 0.31 | 0.36 | 0.41 | 0.01 |
| 10 | 0.04 | 0.08 | 0.10 | 0.13 | 0.16 | 0.19 | 0.23 | 0.27 | 0.31 | 0.36 | 0.41 | 0.47 | 0.01 |
| 11 | 0.05 | 0.10 | 0.13 | 0.16 | 0.19 | 0.23 | 0.27 | 0.31 | 0.36 | 0.41 | 0.47 | 0.53 | 0.01 |
| 12 | 0.06 | 0.12 | 0.15 | 0.18 | 0.22 | 0.26 | 0.31 | 0.36 | 0.41 | 0.47 | 0.54 | 0.60 | 0.02 |
| 13 | 0.08 | 0.14 | 0.17 | 0.21 | 0.25 | 0.30 | 0.35 | 0.41 | 0.47 | 0.53 | 0.60 | 0.68 | 0.02 |
| 14 | 0.09 | 0.16 | 0.20 | 0.24 | 0.29 | 0.34 | 0.40 | 0.46 | 0.53 | 0.60 | 0.68 | 0.76 | 0.02 |
| 15 | 0.10 | 0.19 | 0.23 | 0.28 | 0.33 | 0.39 | 0.45 | 0.52 | 0.59 | 0.67 | 0.76 | 0.85 | 0.02 |
| 16 | 0.12 | 0.21 | 0.26 | 0.32 | 0.37 | 0.44 | 0.51 | 0.58 | 0.66 | 0.75 | 0.84 | 0.94 | 0.03 |
| 17 | 0.13 | 0.24 | 0.29 | 0.35 | 0.42 | 0.49 | 0.56 | 0.65 | 0.73 | 0.83 | 0.93 | 1.03 | 0.03 |
| 18 | 0.15 | 0.27 | 0.33 | 0.40 | 0.47 | 0.54 | 0.63 | 0.71 | 0.81 | 0.91 | 1.02 | 1.13 | 0.03 |
| 19 | 0.16 | 0.30 | 0.37 | 0.44 | 0.52 | 0.60 | 0.69 | 0.79 | 0.89 | 1.00 | 1.11 | 1.24 | 0.03 |
| 20 | 0.18 | 0.33 | 0.41 | 0.49 | 0.57 | 0.66 | 0.76 | 0.86 | 0.97 | 1.09 | 1.22 | 1.35 | 0.04 |
| 21 | 0.20 | 0.37 | 0.45 | 0.53 | 0.63 | 0.72 | 0.83 | 0.94 | 1.06 | 1.19 | 1.32 | 1.46 | 0.04 |
| 22 | 0.22 | 0.40 | 0.49 | 0.58 | 0.68 | 0.79 | 0.90 | 1.03 | 1.15 | 1.29 | 1.43 | 1.58 | 0.04 |
| 23 | 0.24 | 0.44 | 0.54 | 0.64 | 0.75 | 0.86 | 0.98 | 1.11 | 1.25 | 1.39 | 1.55 | 1.71 | 0.04 |
| 24 | 0.26 | 0.48 | 0.58 | 0.69 | 0.81 | 0.93 | 1.06 | 1.20 | 1.35 | 1.50 | 1.67 | 1.84 | 0.05 |
| 25 | 0.28 | 0.52 | 0.63 | 0.75 | 0.88 | 1.01 | 1.15 | 1.30 | 1.45 | 1.62 | 1.79 | 1.97 | 0.05 |
| 26 | 0.31 | 0.57 | 0.68 | 0.81 | 0.95 | 1.09 | 1.24 | 1.39 | 1.56 | 1.74 | 1.92 | 2.11 | 0.05 |
| 27 | 0.33 | 0.61 | 0.74 | 0.87 | 1.02 | 1.17 | 1.33 | 1.50 | 1.67 | 1.86 | 2.05 | 2.26 | 0.05 |
| 28 | 0.35 | 0.66 | 0.79 | 0.94 | 1.09 | 1.25 | 1.42 | 1.60 | 1.79 | 1.99 | 2.19 | 2.41 | 0.06 |
| 29 | 0.38 | 0.71 | 0.85 | 1.01 | 1.17 | 1.34 | 1.52 | 1.71 | 1.91 | 2.12 | 2.33 | 2.56 | 0.06 |
| 30 | 0.41 | 0.76 | 0.91 | 1.08 | 1.25 | 1.43 | 1.62 | 1.82 | 2.03 | 2.25 | 2.48 | 2.72 | 0.06 |
| 31 | 0.43 | 0.81 | 0.97 | 1.15 | 1.33 | 1.52 | 1.73 | 1.94 | 2.16 | 2.39 | 2.63 | 2.89 | 0.06 |
| 32 | 0.46 | 0.86 | 1.04 | 1.22 | 1.42 | 1.62 | 1.84 | 2.06 | 2.29 | 2.54 | 2.79 | 3.06 | 0.07 |
| 33 | 0.49 | 0.92 | 1.10 | 1.30 | 1.51 | 1.72 | 1.95 | 2.18 | 2.43 | 2.68 | 2.95 | 3.23 | 0.07 |
| 34 | 0.52 | 0.97 | 1.17 | 1.38 | 1.60 | 1.82 | 2.06 | 2.31 | 2.57 | 2.84 | 3.12 | 3.41 | 0.07 |
| 35 | 0.55 | 1.03 | 1.24 | 1.46 | 1.69 | 1.93 | 2.18 | 2.44 | 2.71 | 2.99 | 3.29 | 3.59 | 0.07 |
| 36 | 0.59 | 1.09 | 1.31 | 1.54 | 1.79 | 2.04 | 2.30 | 2.57 | 2.86 | 3.15 | 3.46 | 3.78 | 0.08 |
| 37 | 0.62 | 1.16 | 1.39 | 1.63 | 1.88 | 2.15 | 2.43 | 2.71 | 3.01 | 3.32 | 3.64 | 3.98 | 0.08 |
| 38 | 0.65 | 1.22 | 1.46 | 1.72 | 1.99 | 2.26 | 2.55 | 2.85 | 3.17 | 3.49 | 3.83 | 4.18 | 0.08 |
| 39 | 0.69 | 1.28 | 1.54 | 1.81 | 2.09 | 2.38 | 2.69 | 3.00 | 3.33 | 3.66 | 4.02 | 4.38 | 0.08 |
| 40 | 0.72 | 1.35 | 1.62 | 1.90 | 2.20 | 2.50 | 2.82 | 3.15 | 3.49 | 3.84 | 4.21 | 4.59 | 0.09 |

Cubic foot volume inside bark -Birch, Paper- Sawtimber trees with topwood pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB+ | | | | | | | | | | upper stem | branch wood | |
|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------|--------------|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch saw* |
| 11 | 4.70 | 8.56 | 12.17 | 15.62 | 19.22 | 23.90 | 29.25 | 34.04 | 39.18 | 44.68 | 5.16 | 1.80 | 1.05 |
| 12 | 5.60 | 10.15 | 14.32 | 18.25 | 22.32 | 27.56 | 33.50 | 38.82 | 44.49 | 50.53 | 5.78 | 2.17 | 1.23 |
| 13 | 6.57 | 11.88 | 16.64 | 21.10 | 25.66 | 31.49 | 38.07 | 43.93 | 50.16 | 56.78 | 6.45 | 2.57 | 1.41 |
| 14 | 7.62 | 13.75 | 19.14 | 24.16 | 29.25 | 35.70 | 42.95 | 49.39 | 56.20 | 63.42 | 7.17 | 3.01 | 1.61 |
| 15 | 8.76 | 15.75 | 21.83 | 27.43 | 33.08 | 40.19 | 48.13 | 55.17 | 62.60 | 70.44 | 7.94 | 3.49 | 1.82 |
| 16 | 9.97 | 17.89 | 24.69 | 30.92 | 37.16 | 44.96 | 53.63 | 61.30 | 69.36 | 77.86 | 8.75 | 4.00 | 2.04 |
| 17 | 11.26 | 20.17 | 27.74 | 34.62 | 41.48 | 50.00 | 59.43 | 67.76 | 76.49 | 85.66 | 9.61 | 4.55 | 2.26 |
| 18 | 12.63 | 22.59 | 30.96 | 38.53 | 46.05 | 55.31 | 65.55 | 74.56 | 83.98 | 93.86 | 10.52 | 5.14 | 2.50 |
| 19 | 14.08 | 25.14 | 34.37 | 42.66 | 50.86 | 60.91 | 71.97 | 81.69 | 91.84 | 102.44 | 11.47 | 5.77 | 2.74 |
| 20 | 15.60 | 27.84 | 37.95 | 47.01 | 55.92 | 66.78 | 78.70 | 89.17 | 100.06 | 111.42 | 12.48 | 6.44 | 3.00 |
| 21 | 17.21 | 30.67 | 41.72 | 51.57 | 61.22 | 72.93 | 85.75 | 96.98 | 108.64 | 120.79 | 13.53 | 7.15 | 3.26 |
| 22 | 18.90 | 33.64 | 45.66 | 56.34 | 66.77 | 79.36 | 93.10 | 105.13 | 117.59 | 130.55 | 14.63 | 7.89 | 3.53 |
| 23 | 20.67 | 36.75 | 49.79 | 61.33 | 72.56 | 86.07 | 100.76 | 113.61 | 126.90 | 140.70 | 15.77 | 8.68 | 3.80 |
| 24 | 22.51 | 40.00 | 54.09 | 66.53 | 78.60 | 93.05 | 108.74 | 122.44 | 136.58 | 151.24 | 16.97 | 9.50 | 4.09 |
| 25 | 24.44 | 43.39 | 58.58 | 71.95 | 84.88 | 100.31 | 117.02 | 131.60 | 146.63 | 162.17 | 18.21 | 10.37 | 4.38 |
| 26 | 26.44 | 46.92 | 63.25 | 77.58 | 91.41 | 107.85 | 125.62 | 141.10 | 157.03 | 173.49 | 19.50 | 11.27 | 4.67 |
| 27 | 28.53 | 50.58 | 68.10 | 83.43 | 98.18 | 115.67 | 134.52 | 150.94 | 167.81 | 185.21 | 20.84 | 12.22 | 4.98 |
| 28 | 30.69 | 54.39 | 73.13 | 89.49 | 105.20 | 123.76 | 143.74 | 161.12 | 178.95 | 197.32 | 22.23 | 13.20 | 5.29 |
| 29 | 32.94 | 58.33 | 78.34 | 95.77 | 112.47 | 132.14 | 153.26 | 171.63 | 190.45 | 209.82 | 23.66 | 14.23 | 5.61 |
| 30 | 35.26 | 62.41 | 83.73 | 102.26 | 119.98 | 140.79 | 163.10 | 182.49 | 202.33 | 222.71 | 25.15 | 15.30 | 5.93 |
| 31 | 37.67 | 66.63 | 89.30 | 108.97 | 127.74 | 149.72 | 173.25 | 193.68 | 214.56 | 235.99 | 26.68 | 16.41 | 6.26 |
| 32 | 40.15 | 71.00 | 95.05 | 115.89 | 135.75 | 158.93 | 183.71 | 205.22 | 227.17 | 249.67 | 28.26 | 17.56 | 6.59 |
| 33 | 42.72 | 75.50 | 100.99 | 123.03 | 144.00 | 168.42 | 194.48 | 217.09 | 240.13 | 263.74 | 29.88 | 18.75 | 6.93 |
| 34 | 45.36 | 80.14 | 107.10 | 130.39 | 152.50 | 178.19 | 205.57 | 229.30 | 253.47 | 278.20 | 31.56 | 19.99 | 7.28 |
| 35 | 48.08 | 84.91 | 113.40 | 137.96 | 161.24 | 188.23 | 216.96 | 241.85 | 267.17 | 293.05 | 33.28 | 21.27 | 7.63 |
| 36 | 50.89 | 89.83 | 119.88 | 145.75 | 170.23 | 198.56 | 228.67 | 254.74 | 281.24 | 308.30 | 35.05 | 22.59 | 7.98 |
| 37 | 53.77 | 94.89 | 126.54 | 153.75 | 179.47 | 209.16 | 240.69 | 267.97 | 295.68 | 323.94 | 36.87 | 23.95 | 8.34 |
| 38 | 56.74 | 100.09 | 133.38 | 161.97 | 188.96 | 220.05 | 253.02 | 281.54 | 310.48 | 339.98 | 38.74 | 25.36 | 8.70 |
| 39 | 59.78 | 105.43 | 140.41 | 170.41 | 198.69 | 231.21 | 265.66 | 295.45 | 325.65 | 356.40 | 40.65 | 26.81 | 9.07 |
| 40 | 62.91 | 110.90 | 147.61 | 179.06 | 208.67 | 242.66 | 278.62 | 309.70 | 341.18 | 373.22 | 42.62 | 28.30 | 9.44 |

Scribner Dec. C bdfv volumes -Birch, Paper- Sawtimber with top pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10" DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|---|-----|-----|-----|------|------|------|------|------|------|------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch bdfv* |
| 11 | 30 | 50 | 70 | 80 | 100 | 130 | 160 | 180 | 210 | 240 | 0 | 0 | 10 |
| 12 | 30 | 50 | 80 | 100 | 120 | 150 | 180 | 210 | 240 | 270 | 0 | 0 | 10 |
| 13 | 40 | 60 | 90 | 110 | 140 | 170 | 210 | 240 | 270 | 310 | 0 | 0 | 10 |
| 14 | 40 | 70 | 100 | 130 | 160 | 190 | 230 | 270 | 300 | 340 | 0 | 0 | 10 |
| 15 | 50 | 90 | 120 | 150 | 180 | 220 | 260 | 300 | 340 | 380 | 0 | 0 | 10 |
| 16 | 50 | 100 | 130 | 170 | 200 | 240 | 290 | 330 | 370 | 420 | 0 | 0 | 10 |
| 17 | 60 | 110 | 150 | 190 | 220 | 270 | 320 | 370 | 410 | 460 | 0 | 0 | 10 |
| 18 | 70 | 120 | 170 | 210 | 250 | 300 | 350 | 400 | 450 | 510 | 0 | 0 | 10 |
| 19 | 80 | 140 | 190 | 230 | 270 | 330 | 390 | 440 | 500 | 550 | 0 | 0 | 10 |
| 20 | 80 | 150 | 200 | 250 | 300 | 360 | 420 | 480 | 540 | 600 | 0 | 0 | 20 |
| 21 | 90 | 170 | 230 | 280 | 330 | 390 | 460 | 520 | 590 | 650 | 0 | 0 | 20 |
| 22 | 100 | 180 | 250 | 300 | 360 | 430 | 500 | 570 | 630 | 700 | 0 | 0 | 20 |
| 23 | 110 | 200 | 270 | 330 | 390 | 460 | 540 | 610 | 690 | 760 | 0 | 0 | 20 |
| 24 | 120 | 220 | 290 | 360 | 420 | 500 | 590 | 660 | 740 | 820 | 0 | 0 | 20 |
| 25 | 130 | 230 | 320 | 390 | 460 | 540 | 630 | 710 | 790 | 880 | 0 | 0 | 20 |
| 26 | 140 | 250 | 340 | 420 | 490 | 580 | 680 | 760 | 850 | 940 | 0 | 0 | 30 |
| 27 | 150 | 270 | 370 | 450 | 530 | 620 | 730 | 820 | 910 | 1000 | 0 | 0 | 30 |
| 28 | 170 | 290 | 390 | 480 | 570 | 670 | 780 | 870 | 970 | 1070 | 0 | 0 | 30 |
| 29 | 180 | 310 | 420 | 520 | 610 | 710 | 830 | 930 | 1030 | 1130 | 0 | 0 | 30 |
| 30 | 190 | 340 | 450 | 550 | 650 | 760 | 880 | 990 | 1090 | 1200 | 0 | 0 | 30 |
| 31 | 200 | 360 | 480 | 590 | 690 | 810 | 940 | 1050 | 1160 | 1270 | 0 | 0 | 30 |
| 32 | 220 | 380 | 510 | 630 | 730 | 860 | 990 | 1110 | 1230 | 1350 | 0 | 0 | 40 |
| 33 | 230 | 410 | 550 | 660 | 780 | 910 | 1050 | 1170 | 1300 | 1420 | 0 | 0 | 40 |
| 34 | 240 | 430 | 580 | 700 | 820 | 960 | 1110 | 1240 | 1370 | 1500 | 0 | 0 | 40 |
| 35 | 260 | 460 | 610 | 740 | 870 | 1020 | 1170 | 1310 | 1440 | 1580 | 0 | 0 | 40 |
| 36 | 270 | 490 | 650 | 790 | 920 | 1070 | 1230 | 1380 | 1520 | 1660 | 0 | 0 | 40 |
| 37 | 290 | 510 | 680 | 830 | 970 | 1130 | 1300 | 1450 | 1600 | 1750 | 0 | 0 | 50 |
| 38 | 310 | 540 | 720 | 870 | 1020 | 1190 | 1370 | 1520 | 1680 | 1840 | 0 | 0 | 50 |
| 39 | 320 | 570 | 760 | 920 | 1070 | 1250 | 1430 | 1600 | 1760 | 1920 | 1 | 0 | 50 |
| 40 | 340 | 600 | 800 | 970 | 1130 | 1310 | 1500 | 1670 | 1840 | 2020 | 1 | 0 | 50 |

Birch, yellow

Cubic foot volume inside bark -Birch, Yellow- Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.88 | 1.55 | 2.26 | 3.11 | 4.09 | 5.22 | 6.51 | 7.97 | 9.63 | 11.49 | 13.58 | 15.90 | 0.00 |
| 6 | 1.27 | 2.23 | 3.09 | 4.10 | 5.28 | 6.61 | 8.14 | 9.85 | 11.79 | 13.95 | 16.35 | 19.01 | 0.08 |
| 7 | 1.74 | 3.04 | 4.07 | 5.28 | 6.66 | 8.24 | 10.02 | 12.02 | 14.25 | 16.73 | 19.48 | 22.51 | 0.27 |
| 8 | 2.27 | 3.98 | 5.21 | 6.63 | 8.26 | 10.10 | 12.16 | 14.46 | 17.02 | 19.85 | 22.96 | 26.38 | 0.47 |
| 9 | 2.87 | 5.04 | 6.49 | 8.16 | 10.06 | 12.18 | 14.55 | 17.18 | 20.09 | 23.29 | 26.80 | 30.63 | 0.66 |
| 10 | 3.55 | 6.24 | 7.94 | 9.87 | 12.06 | 14.49 | 17.19 | 20.18 | 23.46 | 27.06 | 30.98 | 35.26 | 0.86 |
| 11 | 4.30 | 7.56 | 9.53 | 11.76 | 14.26 | 17.03 | 20.09 | 23.45 | 27.13 | 31.15 | 35.52 | 40.25 | 1.05 |
| 12 | 5.12 | 9.01 | 11.28 | 13.83 | 16.67 | 19.80 | 23.24 | 27.00 | 31.11 | 35.57 | 40.40 | 45.63 | 1.25 |
| 13 | 6.01 | 10.60 | 13.18 | 16.07 | 19.27 | 22.79 | 26.64 | 30.83 | 35.38 | 40.31 | 45.64 | 51.37 | 1.45 |
| 14 | 6.97 | 12.31 | 15.24 | 18.50 | 22.09 | 26.01 | 30.29 | 34.93 | 39.96 | 45.38 | 51.22 | 57.49 | 1.64 |
| 15 | 8.00 | 14.15 | 17.44 | 21.10 | 25.10 | 29.46 | 34.19 | 39.31 | 44.83 | 50.78 | 57.15 | 63.99 | 1.84 |
| 16 | 9.11 | 16.12 | 19.81 | 23.88 | 28.32 | 33.14 | 38.35 | 43.97 | 50.01 | 56.49 | 63.44 | 70.85 | 2.03 |
| 17 | 10.29 | 18.22 | 22.32 | 26.83 | 31.74 | 37.04 | 42.76 | 48.90 | 55.49 | 62.54 | 70.07 | 78.09 | 2.23 |
| 18 | 11.54 | 20.45 | 24.99 | 29.97 | 35.36 | 41.17 | 47.42 | 54.11 | 61.27 | 68.91 | 77.05 | 85.71 | 2.42 |
| 19 | 12.86 | 22.80 | 27.82 | 33.28 | 39.19 | 45.53 | 52.33 | 59.60 | 67.35 | 75.61 | 84.38 | 93.70 | 2.62 |
| 20 | 14.25 | 25.29 | 30.80 | 36.78 | 43.22 | 50.12 | 57.50 | 65.36 | 73.73 | 82.63 | 92.07 | 102.06 | 2.82 |
| 21 | 15.72 | 27.91 | 33.93 | 40.45 | 47.46 | 54.94 | 62.92 | 71.40 | 80.42 | 89.98 | 100.10 | 110.80 | 3.01 |
| 22 | 17.26 | 30.66 | 37.22 | 44.30 | 51.89 | 59.98 | 68.59 | 77.72 | 87.40 | 97.65 | 108.48 | 119.92 | 3.21 |
| 23 | 18.87 | 33.54 | 40.66 | 48.33 | 56.54 | 65.26 | 74.51 | 84.32 | 94.69 | 105.65 | 117.21 | 129.40 | 3.40 |
| 24 | 20.55 | 36.54 | 44.25 | 52.54 | 61.38 | 70.76 | 80.69 | 91.19 | 102.28 | 113.98 | 126.30 | 139.27 | 3.60 |
| 25 | 22.30 | 39.68 | 48.00 | 56.93 | 66.43 | 76.49 | 87.12 | 98.34 | 110.17 | 122.63 | 135.73 | 149.51 | 3.79 |
| 26 | 24.13 | 42.95 | 51.91 | 61.50 | 71.69 | 82.45 | 93.81 | 105.77 | 118.37 | 131.61 | 145.52 | 160.12 | 3.99 |
| 27 | 26.03 | 46.35 | 55.97 | 66.25 | 77.14 | 88.64 | 100.74 | 113.48 | 126.86 | 140.92 | 155.66 | 171.11 | 4.19 |
| 28 | 28.00 | 49.88 | 60.19 | 71.18 | 82.81 | 95.06 | 107.93 | 121.46 | 135.66 | 150.55 | 166.15 | 182.48 | 4.38 |
| 29 | 30.04 | 53.53 | 64.56 | 76.29 | 88.67 | 101.70 | 115.38 | 129.73 | 144.76 | 160.51 | 176.99 | 194.22 | 4.58 |
| 30 | 32.15 | 57.32 | 69.08 | 81.57 | 94.75 | 108.58 | 123.08 | 138.27 | 154.17 | 170.80 | 188.18 | 206.33 | 4.77 |
| 31 | 34.34 | 61.24 | 73.76 | 87.04 | 101.02 | 115.68 | 131.03 | 147.09 | 163.88 | 181.41 | 199.73 | 218.83 | 4.97 |
| 32 | 36.59 | 65.29 | 78.60 | 92.69 | 107.50 | 123.02 | 139.24 | 156.19 | 173.89 | 192.36 | 211.62 | 231.70 | 5.16 |
| 33 | 38.92 | 69.48 | 83.59 | 98.52 | 114.19 | 130.58 | 147.70 | 165.57 | 184.20 | 203.63 | 223.87 | 244.95 | 5.36 |
| 34 | 41.33 | 73.79 | 88.73 | 104.52 | 121.08 | 138.37 | 156.41 | 175.22 | 194.82 | 215.23 | 236.47 | 258.57 | 5.56 |
| 35 | 43.80 | 78.23 | 94.03 | 110.71 | 128.17 | 146.40 | 165.38 | 185.16 | 205.74 | 227.15 | 249.42 | 272.57 | 5.75 |
| 36 | 46.35 | 82.80 | 99.49 | 117.08 | 135.47 | 154.65 | 174.61 | 195.37 | 216.96 | 239.41 | 262.73 | 286.95 | 5.95 |
| 37 | 48.97 | 87.51 | 105.10 | 123.62 | 142.98 | 163.13 | 184.09 | 205.86 | 228.49 | 251.99 | 276.39 | 301.70 | 6.14 |
| 38 | 51.66 | 92.34 | 110.87 | 130.35 | 150.69 | 171.84 | 193.82 | 216.64 | 240.32 | 264.90 | 290.40 | 316.83 | 6.34 |
| 39 | 54.42 | 97.31 | 116.79 | 137.26 | 158.60 | 180.78 | 203.81 | 227.69 | 252.46 | 278.14 | 304.76 | 332.34 | 6.53 |
| 40 | 57.26 | 102.40 | 122.87 | 144.35 | 166.72 | 189.96 | 214.05 | 239.02 | 264.90 | 291.71 | 319.48 | 348.22 | 6.73 |

Cord volume -Birch, Yellow- Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|------|------|------|------|------|------|------|------|------|------|------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.08 | 0.10 | 0.12 | 0.15 | 0.17 | 0.20 | 0.00 |
| 6 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.08 | 0.10 | 0.12 | 0.15 | 0.18 | 0.21 | 0.24 | 0.00 |
| 7 | 0.02 | 0.04 | 0.05 | 0.07 | 0.08 | 0.10 | 0.13 | 0.15 | 0.18 | 0.21 | 0.25 | 0.28 | 0.00 |
| 8 | 0.03 | 0.05 | 0.07 | 0.08 | 0.10 | 0.13 | 0.15 | 0.18 | 0.22 | 0.25 | 0.29 | 0.33 | 0.01 |
| 9 | 0.04 | 0.06 | 0.08 | 0.10 | 0.13 | 0.15 | 0.18 | 0.22 | 0.25 | 0.29 | 0.34 | 0.39 | 0.01 |
| 10 | 0.04 | 0.08 | 0.10 | 0.13 | 0.15 | 0.18 | 0.22 | 0.26 | 0.30 | 0.34 | 0.39 | 0.45 | 0.01 |
| 11 | 0.05 | 0.10 | 0.12 | 0.15 | 0.18 | 0.22 | 0.25 | 0.30 | 0.34 | 0.39 | 0.45 | 0.51 | 0.01 |
| 12 | 0.06 | 0.11 | 0.14 | 0.18 | 0.21 | 0.25 | 0.29 | 0.34 | 0.39 | 0.45 | 0.51 | 0.58 | 0.02 |
| 13 | 0.08 | 0.13 | 0.17 | 0.20 | 0.24 | 0.29 | 0.34 | 0.39 | 0.45 | 0.51 | 0.58 | 0.65 | 0.02 |
| 14 | 0.09 | 0.16 | 0.19 | 0.23 | 0.28 | 0.33 | 0.38 | 0.44 | 0.51 | 0.57 | 0.65 | 0.73 | 0.02 |
| 15 | 0.10 | 0.18 | 0.22 | 0.27 | 0.32 | 0.37 | 0.43 | 0.50 | 0.57 | 0.64 | 0.72 | 0.81 | 0.02 |
| 16 | 0.12 | 0.20 | 0.25 | 0.30 | 0.36 | 0.42 | 0.49 | 0.56 | 0.63 | 0.72 | 0.80 | 0.90 | 0.03 |
| 17 | 0.13 | 0.23 | 0.28 | 0.34 | 0.40 | 0.47 | 0.54 | 0.62 | 0.70 | 0.79 | 0.89 | 0.99 | 0.03 |
| 18 | 0.15 | 0.26 | 0.32 | 0.38 | 0.45 | 0.52 | 0.60 | 0.69 | 0.78 | 0.87 | 0.98 | 1.09 | 0.03 |
| 19 | 0.16 | 0.29 | 0.35 | 0.42 | 0.50 | 0.58 | 0.66 | 0.75 | 0.85 | 0.96 | 1.07 | 1.19 | 0.03 |
| 20 | 0.18 | 0.32 | 0.39 | 0.47 | 0.55 | 0.63 | 0.73 | 0.83 | 0.93 | 1.05 | 1.17 | 1.29 | 0.04 |
| 21 | 0.20 | 0.35 | 0.43 | 0.51 | 0.60 | 0.70 | 0.80 | 0.90 | 1.02 | 1.14 | 1.27 | 1.40 | 0.04 |
| 22 | 0.22 | 0.39 | 0.47 | 0.56 | 0.66 | 0.76 | 0.87 | 0.98 | 1.11 | 1.24 | 1.37 | 1.52 | 0.04 |
| 23 | 0.24 | 0.42 | 0.51 | 0.61 | 0.72 | 0.83 | 0.94 | 1.07 | 1.20 | 1.34 | 1.48 | 1.64 | 0.04 |
| 24 | 0.26 | 0.46 | 0.56 | 0.67 | 0.78 | 0.90 | 1.02 | 1.15 | 1.29 | 1.44 | 1.60 | 1.76 | 0.05 |
| 25 | 0.28 | 0.50 | 0.61 | 0.72 | 0.84 | 0.97 | 1.10 | 1.25 | 1.39 | 1.55 | 1.72 | 1.89 | 0.05 |
| 26 | 0.31 | 0.54 | 0.66 | 0.78 | 0.91 | 1.04 | 1.19 | 1.34 | 1.50 | 1.67 | 1.84 | 2.03 | 0.05 |
| 27 | 0.33 | 0.59 | 0.71 | 0.84 | 0.98 | 1.12 | 1.28 | 1.44 | 1.61 | 1.78 | 1.97 | 2.17 | 0.05 |
| 28 | 0.35 | 0.63 | 0.76 | 0.90 | 1.05 | 1.20 | 1.37 | 1.54 | 1.72 | 1.91 | 2.10 | 2.31 | 0.06 |
| 29 | 0.38 | 0.68 | 0.82 | 0.97 | 1.12 | 1.29 | 1.46 | 1.64 | 1.83 | 2.03 | 2.24 | 2.46 | 0.06 |
| 30 | 0.41 | 0.73 | 0.87 | 1.03 | 1.20 | 1.37 | 1.56 | 1.75 | 1.95 | 2.16 | 2.38 | 2.61 | 0.06 |
| 31 | 0.43 | 0.78 | 0.93 | 1.10 | 1.28 | 1.46 | 1.66 | 1.86 | 2.07 | 2.30 | 2.53 | 2.77 | 0.06 |
| 32 | 0.46 | 0.83 | 1.00 | 1.17 | 1.36 | 1.56 | 1.76 | 1.98 | 2.20 | 2.44 | 2.68 | 2.93 | 0.07 |
| 33 | 0.49 | 0.88 | 1.06 | 1.25 | 1.45 | 1.65 | 1.87 | 2.10 | 2.33 | 2.58 | 2.83 | 3.10 | 0.07 |
| 34 | 0.52 | 0.93 | 1.12 | 1.32 | 1.53 | 1.75 | 1.98 | 2.22 | 2.47 | 2.72 | 2.99 | 3.27 | 0.07 |
| 35 | 0.55 | 0.99 | 1.19 | 1.40 | 1.62 | 1.85 | 2.09 | 2.34 | 2.60 | 2.88 | 3.16 | 3.45 | 0.07 |
| 36 | 0.59 | 1.05 | 1.26 | 1.48 | 1.72 | 1.96 | 2.21 | 2.47 | 2.75 | 3.03 | 3.33 | 3.63 | 0.08 |
| 37 | 0.62 | 1.11 | 1.33 | 1.57 | 1.81 | 2.07 | 2.33 | 2.61 | 2.89 | 3.19 | 3.50 | 3.82 | 0.08 |
| 38 | 0.65 | 1.17 | 1.40 | 1.65 | 1.91 | 2.18 | 2.45 | 2.74 | 3.04 | 3.35 | 3.68 | 4.01 | 0.08 |
| 39 | 0.69 | 1.23 | 1.48 | 1.74 | 2.01 | 2.29 | 2.58 | 2.88 | 3.20 | 3.52 | 3.86 | 4.21 | 0.08 |
| 40 | 0.72 | 1.30 | 1.56 | 1.83 | 2.11 | 2.40 | 2.71 | 3.03 | 3.35 | 3.69 | 4.04 | 4.41 | 0.09 |

Cubic foot volume inside bark -Birch, Yellow- Sawtimber trees with topwood pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------|--------------|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch saw* |
| 11 | 4.50 | 8.19 | 11.64 | 14.95 | 18.39 | 22.87 | 27.98 | 32.57 | 37.48 | 42.74 | 4.94 | 1.80 | 1.05 |
| 12 | 5.36 | 9.71 | 13.69 | 17.46 | 21.35 | 26.37 | 32.05 | 37.14 | 42.56 | 48.34 | 5.53 | 2.17 | 1.23 |
| 13 | 6.29 | 11.37 | 15.92 | 20.18 | 24.55 | 30.13 | 36.42 | 42.03 | 47.99 | 54.32 | 6.17 | 2.57 | 1.41 |
| 14 | 7.29 | 13.15 | 18.31 | 23.11 | 27.98 | 34.16 | 41.09 | 47.24 | 53.76 | 60.67 | 6.86 | 3.01 | 1.61 |
| 15 | 8.38 | 15.07 | 20.88 | 26.24 | 31.65 | 38.45 | 46.05 | 52.78 | 59.88 | 67.39 | 7.59 | 3.49 | 1.82 |
| 16 | 9.53 | 17.11 | 23.62 | 29.58 | 35.55 | 43.01 | 51.30 | 58.64 | 66.35 | 74.48 | 8.37 | 4.00 | 2.04 |
| 17 | 10.77 | 19.29 | 26.54 | 33.12 | 39.68 | 47.83 | 56.86 | 64.82 | 73.17 | 81.95 | 9.19 | 4.55 | 2.26 |
| 18 | 12.08 | 21.61 | 29.62 | 36.86 | 44.05 | 52.92 | 62.71 | 71.33 | 80.34 | 89.79 | 10.06 | 5.14 | 2.50 |
| 19 | 13.47 | 24.05 | 32.88 | 40.81 | 48.66 | 58.27 | 68.85 | 78.15 | 87.86 | 98.00 | 10.98 | 5.77 | 2.74 |
| 20 | 14.93 | 26.63 | 36.31 | 44.97 | 53.49 | 63.89 | 75.29 | 85.30 | 95.72 | 106.59 | 11.94 | 6.44 | 3.00 |
| 21 | 16.47 | 29.34 | 39.91 | 49.33 | 58.57 | 69.77 | 82.03 | 92.77 | 103.93 | 115.55 | 12.94 | 7.15 | 3.26 |
| 22 | 18.08 | 32.18 | 43.68 | 53.90 | 63.87 | 75.92 | 89.06 | 100.57 | 112.49 | 124.89 | 13.99 | 7.89 | 3.53 |
| 23 | 19.77 | 35.16 | 47.63 | 58.67 | 69.41 | 82.33 | 96.39 | 108.69 | 121.40 | 134.60 | 15.09 | 8.68 | 3.80 |
| 24 | 21.54 | 38.27 | 51.75 | 63.65 | 75.19 | 89.01 | 104.02 | 117.13 | 130.66 | 144.68 | 16.23 | 9.50 | 4.09 |
| 25 | 23.38 | 41.51 | 56.04 | 68.83 | 81.20 | 95.96 | 111.95 | 125.89 | 140.27 | 155.14 | 17.42 | 10.37 | 4.38 |
| 26 | 25.30 | 44.88 | 60.51 | 74.22 | 87.45 | 103.17 | 120.17 | 134.98 | 150.23 | 165.97 | 18.66 | 11.27 | 4.67 |
| 27 | 27.29 | 48.39 | 65.14 | 79.81 | 93.93 | 110.65 | 128.69 | 144.40 | 160.53 | 177.18 | 19.94 | 12.22 | 4.98 |
| 28 | 29.36 | 52.03 | 69.96 | 85.61 | 100.64 | 118.40 | 137.51 | 154.13 | 171.19 | 188.76 | 21.26 | 13.20 | 5.29 |
| 29 | 31.51 | 55.80 | 74.94 | 91.62 | 107.59 | 126.41 | 146.62 | 164.19 | 182.20 | 200.72 | 22.64 | 14.23 | 5.61 |
| 30 | 33.73 | 59.71 | 80.10 | 97.83 | 114.78 | 134.69 | 156.03 | 174.58 | 193.55 | 213.05 | 24.06 | 15.30 | 5.93 |
| 31 | 36.03 | 63.75 | 85.43 | 104.25 | 122.20 | 143.23 | 165.74 | 185.29 | 205.26 | 225.76 | 25.52 | 16.41 | 6.26 |
| 32 | 38.41 | 67.92 | 90.93 | 110.87 | 129.86 | 152.04 | 175.75 | 196.32 | 217.32 | 238.85 | 27.03 | 17.56 | 6.59 |
| 33 | 40.86 | 72.22 | 96.61 | 117.70 | 137.76 | 161.12 | 186.05 | 207.68 | 229.73 | 252.30 | 28.59 | 18.75 | 6.93 |
| 34 | 43.39 | 76.66 | 102.46 | 124.74 | 145.89 | 170.46 | 196.66 | 219.36 | 242.48 | 266.14 | 30.19 | 19.99 | 7.28 |
| 35 | 46.00 | 81.23 | 108.49 | 131.98 | 154.25 | 180.07 | 207.56 | 231.37 | 255.59 | 280.35 | 31.84 | 21.27 | 7.63 |
| 36 | 48.68 | 85.94 | 114.68 | 139.43 | 162.85 | 189.95 | 218.76 | 243.70 | 269.05 | 294.94 | 33.53 | 22.59 | 7.98 |
| 37 | 51.44 | 90.78 | 121.05 | 147.09 | 171.69 | 200.10 | 230.25 | 256.36 | 282.86 | 309.90 | 35.27 | 23.95 | 8.34 |
| 38 | 54.28 | 95.75 | 127.60 | 154.95 | 180.76 | 210.51 | 242.05 | 269.34 | 297.02 | 325.24 | 37.06 | 25.36 | 8.70 |
| 39 | 57.19 | 100.86 | 134.32 | 163.02 | 190.07 | 221.19 | 254.14 | 282.64 | 311.53 | 340.95 | 38.89 | 26.81 | 9.07 |
| 40 | 60.18 | 106.09 | 141.21 | 171.29 | 199.62 | 232.14 | 266.54 | 296.28 | 326.39 | 357.05 | 40.77 | 28.30 | 9.44 |

Scribner Dec. C bdfv volumes -Birch, Yellow- Sawtimber with top pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|--|-----|-----|-----|------|------|------|------|------|------|------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch bdfv* |
| 11 | 20 | 40 | 60 | 80 | 100 | 120 | 150 | 180 | 200 | 230 | 0 | 0 | 10 |
| 12 | 30 | 50 | 70 | 90 | 120 | 140 | 170 | 200 | 230 | 260 | 0 | 0 | 10 |
| 13 | 30 | 60 | 90 | 110 | 130 | 160 | 200 | 230 | 260 | 290 | 0 | 0 | 10 |
| 14 | 40 | 70 | 100 | 120 | 150 | 180 | 220 | 260 | 290 | 330 | 0 | 0 | 10 |
| 15 | 50 | 80 | 110 | 140 | 170 | 210 | 250 | 290 | 320 | 360 | 0 | 0 | 10 |
| 16 | 50 | 90 | 130 | 160 | 190 | 230 | 280 | 320 | 360 | 400 | 0 | 0 | 10 |
| 17 | 60 | 100 | 140 | 180 | 210 | 260 | 310 | 350 | 400 | 440 | 0 | 0 | 10 |
| 18 | 70 | 120 | 160 | 200 | 240 | 290 | 340 | 390 | 430 | 480 | 0 | 0 | 10 |
| 19 | 70 | 130 | 180 | 220 | 260 | 310 | 370 | 420 | 470 | 530 | 0 | 0 | 10 |
| 20 | 80 | 140 | 200 | 240 | 290 | 340 | 410 | 460 | 520 | 580 | 0 | 0 | 20 |
| 21 | 90 | 160 | 220 | 270 | 320 | 380 | 440 | 500 | 560 | 620 | 0 | 0 | 20 |
| 22 | 100 | 170 | 240 | 290 | 340 | 410 | 480 | 540 | 610 | 670 | 0 | 0 | 20 |
| 23 | 110 | 190 | 260 | 320 | 370 | 440 | 520 | 590 | 660 | 730 | 0 | 0 | 20 |
| 24 | 120 | 210 | 280 | 340 | 410 | 480 | 560 | 630 | 710 | 780 | 0 | 0 | 20 |
| 25 | 130 | 220 | 300 | 370 | 440 | 520 | 600 | 680 | 760 | 840 | 0 | 0 | 20 |
| 26 | 140 | 240 | 330 | 400 | 470 | 560 | 650 | 730 | 810 | 900 | 0 | 0 | 30 |
| 27 | 150 | 260 | 350 | 430 | 510 | 600 | 690 | 780 | 870 | 960 | 0 | 0 | 30 |
| 28 | 160 | 280 | 380 | 460 | 540 | 640 | 740 | 830 | 920 | 1020 | 0 | 0 | 30 |
| 29 | 170 | 300 | 400 | 490 | 580 | 680 | 790 | 890 | 980 | 1080 | 0 | 0 | 30 |
| 30 | 180 | 320 | 430 | 530 | 620 | 730 | 840 | 940 | 1050 | 1150 | 0 | 0 | 30 |
| 31 | 190 | 340 | 460 | 560 | 660 | 770 | 890 | 1000 | 1110 | 1220 | 0 | 0 | 30 |
| 32 | 210 | 370 | 490 | 600 | 700 | 820 | 950 | 1060 | 1170 | 1290 | 0 | 0 | 40 |
| 33 | 220 | 390 | 520 | 640 | 740 | 870 | 1000 | 1120 | 1240 | 1360 | 0 | 0 | 40 |
| 34 | 230 | 410 | 550 | 670 | 790 | 920 | 1060 | 1180 | 1310 | 1440 | 0 | 0 | 40 |
| 35 | 250 | 440 | 590 | 710 | 830 | 970 | 1120 | 1250 | 1380 | 1510 | 0 | 0 | 40 |
| 36 | 260 | 460 | 620 | 750 | 880 | 1030 | 1180 | 1320 | 1450 | 1590 | 0 | 0 | 40 |
| 37 | 280 | 490 | 650 | 790 | 930 | 1080 | 1240 | 1380 | 1530 | 1670 | 0 | 0 | 50 |
| 38 | 290 | 520 | 690 | 840 | 980 | 1140 | 1310 | 1450 | 1600 | 1760 | 0 | 0 | 50 |
| 39 | 310 | 540 | 730 | 880 | 1030 | 1190 | 1370 | 1530 | 1680 | 1840 | 0 | 0 | 50 |
| 40 | 320 | 570 | 760 | 920 | 1080 | 1250 | 1440 | 1600 | 1760 | 1930 | 1 | 0 | 50 |

Maple, red

Cubic foot volume inside bark -Maple, Red- Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.88 | 1.44 | 2.26 | 3.16 | 4.19 | 5.39 | 6.78 | 8.36 | 10.17 | 12.21 | 14.52 | 17.10 | 0.00 |
| 6 | 1.27 | 2.07 | 3.07 | 4.14 | 5.36 | 6.77 | 8.37 | 10.20 | 12.28 | 14.61 | 17.22 | 20.13 | 0.08 |
| 7 | 1.74 | 2.83 | 4.03 | 5.29 | 6.72 | 8.35 | 10.20 | 12.30 | 14.66 | 17.31 | 20.25 | 23.51 | 0.27 |
| 8 | 2.27 | 3.70 | 5.13 | 6.60 | 8.26 | 10.14 | 12.27 | 14.66 | 17.33 | 20.30 | 23.59 | 27.23 | 0.47 |
| 9 | 2.87 | 4.69 | 6.37 | 8.09 | 10.00 | 12.15 | 14.57 | 17.26 | 20.26 | 23.59 | 27.26 | 31.28 | 0.66 |
| 10 | 3.55 | 5.81 | 7.76 | 9.74 | 11.93 | 14.37 | 17.10 | 20.13 | 23.48 | 27.18 | 31.24 | 35.68 | 0.86 |
| 11 | 4.30 | 7.04 | 9.30 | 11.56 | 14.05 | 16.80 | 19.86 | 23.24 | 26.97 | 31.06 | 35.54 | 40.42 | 1.05 |
| 12 | 5.12 | 8.38 | 10.98 | 13.55 | 16.36 | 19.45 | 22.86 | 26.62 | 30.74 | 35.25 | 40.16 | 45.50 | 1.25 |
| 13 | 6.01 | 9.85 | 12.81 | 15.71 | 18.86 | 22.30 | 26.09 | 30.25 | 34.79 | 39.73 | 45.10 | 50.91 | 1.45 |
| 14 | 6.97 | 11.44 | 14.78 | 18.04 | 21.55 | 25.38 | 29.56 | 34.13 | 39.11 | 44.51 | 50.36 | 56.67 | 1.64 |
| 15 | 8.00 | 13.15 | 16.91 | 20.54 | 24.43 | 28.66 | 33.26 | 38.27 | 43.71 | 49.59 | 55.94 | 62.77 | 1.84 |
| 16 | 9.11 | 14.98 | 19.17 | 23.21 | 27.50 | 32.15 | 37.20 | 42.67 | 48.59 | 54.97 | 61.84 | 69.21 | 2.03 |
| 17 | 10.29 | 16.92 | 21.59 | 26.05 | 30.77 | 35.86 | 41.37 | 47.33 | 53.74 | 60.65 | 68.06 | 76.00 | 2.23 |
| 18 | 11.54 | 18.99 | 24.15 | 29.05 | 34.23 | 39.79 | 45.78 | 52.24 | 59.18 | 66.62 | 74.60 | 83.12 | 2.42 |
| 19 | 12.86 | 21.18 | 26.86 | 32.23 | 37.88 | 43.93 | 50.43 | 57.41 | 64.89 | 72.90 | 81.46 | 90.59 | 2.62 |
| 20 | 14.25 | 23.49 | 29.71 | 35.58 | 41.72 | 48.28 | 55.30 | 62.83 | 70.88 | 79.48 | 88.64 | 98.40 | 2.82 |
| 21 | 15.72 | 25.91 | 32.71 | 39.09 | 45.75 | 52.84 | 60.42 | 68.51 | 77.15 | 86.35 | 96.15 | 106.55 | 3.01 |
| 22 | 17.26 | 28.46 | 35.86 | 42.78 | 49.98 | 57.62 | 65.77 | 74.45 | 83.70 | 93.53 | 103.97 | 115.05 | 3.21 |
| 23 | 18.87 | 31.13 | 39.16 | 46.64 | 54.40 | 62.62 | 71.35 | 80.65 | 90.52 | 101.01 | 112.12 | 123.88 | 3.40 |
| 24 | 20.55 | 33.92 | 42.60 | 50.67 | 59.01 | 67.82 | 77.18 | 87.10 | 97.63 | 108.78 | 120.59 | 133.06 | 3.60 |
| 25 | 22.30 | 36.83 | 46.20 | 54.86 | 63.81 | 73.25 | 83.23 | 93.81 | 105.01 | 116.86 | 129.38 | 142.58 | 3.79 |
| 26 | 24.13 | 39.86 | 49.93 | 59.23 | 68.81 | 78.88 | 89.53 | 100.78 | 112.68 | 125.24 | 138.49 | 152.45 | 3.99 |
| 27 | 26.03 | 43.01 | 53.82 | 63.77 | 74.00 | 84.73 | 96.06 | 108.01 | 120.62 | 133.92 | 147.92 | 162.66 | 4.19 |
| 28 | 28.00 | 46.28 | 57.86 | 68.48 | 79.38 | 90.80 | 102.83 | 115.50 | 128.85 | 142.90 | 157.68 | 173.21 | 4.38 |
| 29 | 30.04 | 49.67 | 62.04 | 73.36 | 84.96 | 97.08 | 109.83 | 123.24 | 137.35 | 152.18 | 167.76 | 184.11 | 4.58 |
| 30 | 32.15 | 53.18 | 66.37 | 78.42 | 90.73 | 103.58 | 117.07 | 131.24 | 146.13 | 161.76 | 178.16 | 195.35 | 4.77 |
| 31 | 34.34 | 56.82 | 70.84 | 83.64 | 96.69 | 110.29 | 124.55 | 139.50 | 155.19 | 171.64 | 188.88 | 206.93 | 4.97 |
| 32 | 36.59 | 60.57 | 75.47 | 89.03 | 102.84 | 117.22 | 132.26 | 148.02 | 164.54 | 181.83 | 199.93 | 218.86 | 5.16 |
| 33 | 38.92 | 64.45 | 80.24 | 94.60 | 109.19 | 124.36 | 140.21 | 156.80 | 174.16 | 192.32 | 211.30 | 231.14 | 5.36 |
| 34 | 41.33 | 68.44 | 85.16 | 100.33 | 115.73 | 131.72 | 148.40 | 165.84 | 184.06 | 203.10 | 222.99 | 243.75 | 5.56 |
| 35 | 43.80 | 72.56 | 90.23 | 106.24 | 122.47 | 139.29 | 156.83 | 175.13 | 194.24 | 214.19 | 235.01 | 256.71 | 5.75 |
| 36 | 46.35 | 76.80 | 95.45 | 112.32 | 129.40 | 147.08 | 165.49 | 184.69 | 204.71 | 225.58 | 247.35 | 270.02 | 5.95 |
| 37 | 48.97 | 81.16 | 100.82 | 118.57 | 136.52 | 155.08 | 174.39 | 194.50 | 215.45 | 237.28 | 260.01 | 283.67 | 6.14 |
| 38 | 51.66 | 85.64 | 106.33 | 124.99 | 143.84 | 163.30 | 183.53 | 204.57 | 226.48 | 249.27 | 272.99 | 297.67 | 6.34 |
| 39 | 54.42 | 90.24 | 111.99 | 131.59 | 151.35 | 171.74 | 192.90 | 214.90 | 237.78 | 261.57 | 286.30 | 312.01 | 6.53 |
| 40 | 57.26 | 94.96 | 117.80 | 138.35 | 159.05 | 180.39 | 202.52 | 225.49 | 249.37 | 274.17 | 299.94 | 326.69 | 6.73 |

Cord volume -Maple, Red- Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|------|------|------|------|------|------|------|------|------|------|------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.09 | 0.11 | 0.13 | 0.15 | 0.18 | 0.22 | 0.00 |
| 6 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.09 | 0.11 | 0.13 | 0.16 | 0.18 | 0.22 | 0.25 | 0.00 |
| 7 | 0.02 | 0.04 | 0.05 | 0.07 | 0.09 | 0.11 | 0.13 | 0.16 | 0.19 | 0.22 | 0.26 | 0.30 | 0.00 |
| 8 | 0.03 | 0.05 | 0.06 | 0.08 | 0.10 | 0.13 | 0.16 | 0.19 | 0.22 | 0.26 | 0.30 | 0.34 | 0.01 |
| 9 | 0.04 | 0.06 | 0.08 | 0.10 | 0.13 | 0.15 | 0.18 | 0.22 | 0.26 | 0.30 | 0.35 | 0.40 | 0.01 |
| 10 | 0.04 | 0.07 | 0.10 | 0.12 | 0.15 | 0.18 | 0.22 | 0.25 | 0.30 | 0.34 | 0.40 | 0.45 | 0.01 |
| 11 | 0.05 | 0.09 | 0.12 | 0.15 | 0.18 | 0.21 | 0.25 | 0.29 | 0.34 | 0.39 | 0.45 | 0.51 | 0.01 |
| 12 | 0.06 | 0.11 | 0.14 | 0.17 | 0.21 | 0.25 | 0.29 | 0.34 | 0.39 | 0.45 | 0.51 | 0.58 | 0.02 |
| 13 | 0.08 | 0.12 | 0.16 | 0.20 | 0.24 | 0.28 | 0.33 | 0.38 | 0.44 | 0.50 | 0.57 | 0.64 | 0.02 |
| 14 | 0.09 | 0.14 | 0.19 | 0.23 | 0.27 | 0.32 | 0.37 | 0.43 | 0.50 | 0.56 | 0.64 | 0.72 | 0.02 |
| 15 | 0.10 | 0.17 | 0.21 | 0.26 | 0.31 | 0.36 | 0.42 | 0.48 | 0.55 | 0.63 | 0.71 | 0.79 | 0.02 |
| 16 | 0.12 | 0.19 | 0.24 | 0.29 | 0.35 | 0.41 | 0.47 | 0.54 | 0.62 | 0.70 | 0.78 | 0.88 | 0.03 |
| 17 | 0.13 | 0.21 | 0.27 | 0.33 | 0.39 | 0.45 | 0.52 | 0.60 | 0.68 | 0.77 | 0.86 | 0.96 | 0.03 |
| 18 | 0.15 | 0.24 | 0.31 | 0.37 | 0.43 | 0.50 | 0.58 | 0.66 | 0.75 | 0.84 | 0.94 | 1.05 | 0.03 |
| 19 | 0.16 | 0.27 | 0.34 | 0.41 | 0.48 | 0.56 | 0.64 | 0.73 | 0.82 | 0.92 | 1.03 | 1.15 | 0.03 |
| 20 | 0.18 | 0.30 | 0.38 | 0.45 | 0.53 | 0.61 | 0.70 | 0.80 | 0.90 | 1.01 | 1.12 | 1.25 | 0.04 |
| 21 | 0.20 | 0.33 | 0.41 | 0.49 | 0.58 | 0.67 | 0.76 | 0.87 | 0.98 | 1.09 | 1.22 | 1.35 | 0.04 |
| 22 | 0.22 | 0.36 | 0.45 | 0.54 | 0.63 | 0.73 | 0.83 | 0.94 | 1.06 | 1.18 | 1.32 | 1.46 | 0.04 |
| 23 | 0.24 | 0.39 | 0.50 | 0.59 | 0.69 | 0.79 | 0.90 | 1.02 | 1.15 | 1.28 | 1.42 | 1.57 | 0.04 |
| 24 | 0.26 | 0.43 | 0.54 | 0.64 | 0.75 | 0.86 | 0.98 | 1.10 | 1.24 | 1.38 | 1.53 | 1.68 | 0.05 |
| 25 | 0.28 | 0.47 | 0.58 | 0.69 | 0.81 | 0.93 | 1.05 | 1.19 | 1.33 | 1.48 | 1.64 | 1.81 | 0.05 |
| 26 | 0.31 | 0.50 | 0.63 | 0.75 | 0.87 | 1.00 | 1.13 | 1.28 | 1.43 | 1.59 | 1.75 | 1.93 | 0.05 |
| 27 | 0.33 | 0.54 | 0.68 | 0.81 | 0.94 | 1.07 | 1.22 | 1.37 | 1.53 | 1.70 | 1.87 | 2.06 | 0.05 |
| 28 | 0.35 | 0.59 | 0.73 | 0.87 | 1.00 | 1.15 | 1.30 | 1.46 | 1.63 | 1.81 | 2.00 | 2.19 | 0.06 |
| 29 | 0.38 | 0.63 | 0.79 | 0.93 | 1.08 | 1.23 | 1.39 | 1.56 | 1.74 | 1.93 | 2.12 | 2.33 | 0.06 |
| 30 | 0.41 | 0.67 | 0.84 | 0.99 | 1.15 | 1.31 | 1.48 | 1.66 | 1.85 | 2.05 | 2.26 | 2.47 | 0.06 |
| 31 | 0.43 | 0.72 | 0.90 | 1.06 | 1.22 | 1.40 | 1.58 | 1.77 | 1.96 | 2.17 | 2.39 | 2.62 | 0.06 |
| 32 | 0.46 | 0.77 | 0.96 | 1.13 | 1.30 | 1.48 | 1.67 | 1.87 | 2.08 | 2.30 | 2.53 | 2.77 | 0.07 |
| 33 | 0.49 | 0.82 | 1.02 | 1.20 | 1.38 | 1.57 | 1.78 | 1.99 | 2.20 | 2.43 | 2.68 | 2.93 | 0.07 |
| 34 | 0.52 | 0.87 | 1.08 | 1.27 | 1.47 | 1.67 | 1.88 | 2.10 | 2.33 | 2.57 | 2.82 | 3.09 | 0.07 |
| 35 | 0.55 | 0.92 | 1.14 | 1.35 | 1.55 | 1.76 | 1.99 | 2.22 | 2.46 | 2.71 | 2.98 | 3.25 | 0.07 |
| 36 | 0.59 | 0.97 | 1.21 | 1.42 | 1.64 | 1.86 | 2.10 | 2.34 | 2.59 | 2.86 | 3.13 | 3.42 | 0.08 |
| 37 | 0.62 | 1.03 | 1.28 | 1.50 | 1.73 | 1.96 | 2.21 | 2.46 | 2.73 | 3.00 | 3.29 | 3.59 | 0.08 |
| 38 | 0.65 | 1.08 | 1.35 | 1.58 | 1.82 | 2.07 | 2.32 | 2.59 | 2.87 | 3.16 | 3.46 | 3.77 | 0.08 |
| 39 | 0.69 | 1.14 | 1.42 | 1.67 | 1.92 | 2.17 | 2.44 | 2.72 | 3.01 | 3.31 | 3.62 | 3.95 | 0.08 |
| 40 | 0.72 | 1.20 | 1.49 | 1.75 | 2.01 | 2.28 | 2.56 | 2.85 | 3.16 | 3.47 | 3.80 | 4.14 | 0.09 |

Cubic foot volume inside bark -Maple, Red- Sawtimber trees with topwood pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------|--------------|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch saw* |
| 11 | 4.58 | 8.29 | 11.85 | 15.25 | 18.84 | 23.76 | 29.48 | 34.55 | 40.05 | 45.99 | 4.56 | 2.27 | 1.12 |
| 12 | 5.45 | 9.81 | 13.87 | 17.70 | 21.71 | 27.13 | 33.42 | 38.96 | 44.93 | 51.38 | 5.05 | 2.73 | 1.30 |
| 13 | 6.40 | 11.46 | 16.07 | 20.35 | 24.79 | 30.76 | 37.62 | 43.65 | 50.13 | 57.09 | 5.57 | 3.23 | 1.50 |
| 14 | 7.42 | 13.24 | 18.42 | 23.19 | 28.09 | 34.62 | 42.09 | 48.63 | 55.63 | 63.13 | 6.13 | 3.78 | 1.71 |
| 15 | 8.52 | 15.15 | 20.95 | 26.23 | 31.61 | 38.72 | 46.83 | 53.90 | 61.45 | 69.51 | 6.73 | 4.38 | 1.93 |
| 16 | 9.70 | 17.19 | 23.63 | 29.45 | 35.34 | 43.07 | 51.84 | 59.46 | 67.57 | 76.21 | 7.36 | 5.01 | 2.16 |
| 17 | 10.96 | 19.37 | 26.49 | 32.87 | 39.29 | 47.66 | 57.11 | 65.31 | 74.01 | 83.25 | 8.03 | 5.70 | 2.40 |
| 18 | 12.29 | 21.67 | 29.50 | 36.48 | 43.46 | 52.49 | 62.66 | 71.45 | 80.76 | 90.62 | 8.73 | 6.43 | 2.65 |
| 19 | 13.70 | 24.10 | 32.69 | 40.29 | 47.84 | 57.57 | 68.47 | 77.88 | 87.81 | 98.31 | 9.47 | 7.21 | 2.91 |
| 20 | 15.19 | 26.66 | 36.04 | 44.28 | 52.45 | 62.89 | 74.55 | 84.60 | 95.18 | 106.34 | 10.25 | 8.03 | 3.17 |
| 21 | 16.75 | 29.36 | 39.55 | 48.48 | 57.26 | 68.45 | 80.90 | 91.62 | 102.86 | 114.70 | 11.06 | 8.91 | 3.45 |
| 22 | 18.39 | 32.18 | 43.23 | 52.86 | 62.30 | 74.25 | 87.52 | 98.92 | 110.85 | 123.39 | 11.91 | 9.83 | 3.73 |
| 23 | 20.11 | 35.14 | 47.08 | 57.44 | 67.55 | 80.30 | 94.41 | 106.51 | 119.16 | 132.42 | 12.79 | 10.80 | 4.03 |
| 24 | 21.91 | 38.22 | 51.09 | 62.21 | 73.02 | 86.59 | 101.57 | 114.39 | 127.77 | 141.77 | 13.71 | 11.81 | 4.33 |
| 25 | 23.78 | 41.44 | 55.27 | 67.17 | 78.71 | 93.12 | 108.99 | 122.57 | 136.70 | 151.46 | 14.67 | 12.88 | 4.63 |
| 26 | 25.73 | 44.79 | 59.61 | 72.33 | 84.62 | 99.90 | 116.69 | 131.03 | 145.93 | 161.48 | 15.66 | 14.00 | 4.95 |
| 27 | 27.76 | 48.26 | 64.12 | 77.68 | 90.74 | 106.92 | 124.66 | 139.79 | 155.48 | 171.83 | 16.69 | 15.16 | 5.27 |
| 28 | 29.86 | 51.87 | 68.80 | 83.22 | 97.08 | 114.19 | 132.89 | 148.83 | 165.35 | 182.52 | 17.76 | 16.37 | 5.60 |
| 29 | 32.05 | 55.62 | 73.64 | 88.96 | 103.64 | 121.70 | 141.40 | 158.17 | 175.52 | 193.53 | 18.86 | 17.64 | 5.93 |
| 30 | 34.31 | 59.49 | 78.65 | 94.90 | 110.42 | 129.45 | 150.18 | 167.80 | 186.01 | 204.88 | 20.00 | 18.95 | 6.27 |
| 31 | 36.64 | 63.49 | 83.83 | 101.02 | 117.41 | 137.45 | 159.22 | 177.73 | 196.80 | 216.57 | 21.18 | 20.31 | 6.61 |
| 32 | 39.06 | 67.63 | 89.17 | 107.34 | 124.63 | 145.69 | 168.54 | 187.94 | 207.92 | 228.58 | 22.39 | 21.73 | 6.97 |
| 33 | 41.55 | 71.89 | 94.68 | 113.86 | 132.06 | 154.18 | 178.13 | 198.45 | 219.34 | 240.93 | 23.64 | 23.19 | 7.32 |
| 34 | 44.12 | 76.29 | 100.36 | 120.57 | 139.71 | 162.91 | 187.99 | 209.24 | 231.08 | 253.61 | 24.92 | 24.71 | 7.69 |
| 35 | 46.77 | 80.82 | 106.20 | 127.47 | 147.58 | 171.88 | 198.12 | 220.33 | 243.13 | 266.63 | 26.24 | 26.27 | 8.05 |
| 36 | 49.50 | 85.48 | 112.21 | 134.57 | 155.67 | 181.10 | 208.51 | 231.72 | 255.49 | 279.98 | 27.60 | 27.89 | 8.43 |
| 37 | 52.30 | 90.27 | 118.39 | 141.86 | 163.98 | 190.56 | 219.18 | 243.39 | 268.17 | 293.66 | 28.99 | 29.56 | 8.80 |
| 38 | 55.18 | 95.19 | 124.73 | 149.35 | 172.50 | 200.27 | 230.13 | 255.36 | 281.16 | 307.67 | 30.42 | 31.28 | 9.18 |
| 39 | 58.14 | 100.25 | 131.24 | 157.03 | 181.25 | 210.23 | 241.34 | 267.62 | 294.46 | 322.02 | 31.89 | 33.05 | 9.57 |
| 40 | 61.18 | 105.44 | 137.92 | 164.91 | 190.21 | 220.43 | 252.82 | 280.17 | 308.08 | 336.71 | 33.40 | 34.87 | 9.96 |

Scribner Dec. C bdfv volumes -Maple, Red- Sawtimber with top pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|--|-----|-----|-----|------|------|------|------|------|------|------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch bdfv* |
| 11 | 20 | 40 | 60 | 80 | 100 | 130 | 160 | 190 | 220 | 250 | 0 | 0 | 10 |
| 12 | 30 | 50 | 70 | 100 | 120 | 150 | 180 | 210 | 240 | 280 | 0 | 0 | 10 |
| 13 | 30 | 60 | 90 | 110 | 130 | 170 | 200 | 240 | 270 | 310 | 0 | 0 | 10 |
| 14 | 40 | 70 | 100 | 130 | 150 | 190 | 230 | 260 | 300 | 340 | 0 | 0 | 10 |
| 15 | 50 | 80 | 110 | 140 | 170 | 210 | 250 | 290 | 330 | 380 | 0 | 0 | 10 |
| 16 | 50 | 90 | 130 | 160 | 190 | 230 | 280 | 320 | 360 | 410 | 0 | 0 | 10 |
| 17 | 60 | 100 | 140 | 180 | 210 | 260 | 310 | 350 | 400 | 450 | 0 | 0 | 10 |
| 18 | 70 | 120 | 160 | 200 | 230 | 280 | 340 | 390 | 440 | 490 | 0 | 0 | 10 |
| 19 | 70 | 130 | 180 | 220 | 260 | 310 | 370 | 420 | 470 | 530 | 0 | 0 | 20 |
| 20 | 80 | 140 | 190 | 240 | 280 | 340 | 400 | 460 | 510 | 570 | 0 | 0 | 20 |
| 21 | 90 | 160 | 210 | 260 | 310 | 370 | 440 | 490 | 560 | 620 | 0 | 0 | 20 |
| 22 | 100 | 170 | 230 | 290 | 340 | 400 | 470 | 530 | 600 | 670 | 0 | 0 | 20 |
| 23 | 110 | 190 | 250 | 310 | 360 | 430 | 510 | 580 | 640 | 720 | 0 | 0 | 20 |
| 24 | 120 | 210 | 280 | 340 | 390 | 470 | 550 | 620 | 690 | 770 | 0 | 0 | 20 |
| 25 | 130 | 220 | 300 | 360 | 430 | 500 | 590 | 660 | 740 | 820 | 0 | 0 | 30 |
| 26 | 140 | 240 | 320 | 390 | 460 | 540 | 630 | 710 | 790 | 870 | 0 | 0 | 30 |
| 27 | 150 | 260 | 350 | 420 | 490 | 580 | 670 | 750 | 840 | 930 | 0 | 0 | 30 |
| 28 | 160 | 280 | 370 | 450 | 520 | 620 | 720 | 800 | 890 | 990 | 0 | 0 | 30 |
| 29 | 170 | 300 | 400 | 480 | 560 | 660 | 760 | 850 | 950 | 1050 | 0 | 0 | 30 |
| 30 | 190 | 320 | 420 | 510 | 600 | 700 | 810 | 910 | 1000 | 1110 | 0 | 0 | 30 |
| 31 | 200 | 340 | 450 | 550 | 630 | 740 | 860 | 960 | 1060 | 1170 | 0 | 0 | 40 |
| 32 | 210 | 370 | 480 | 580 | 670 | 790 | 910 | 1010 | 1120 | 1230 | 0 | 0 | 40 |
| 33 | 220 | 390 | 510 | 610 | 710 | 830 | 960 | 1070 | 1180 | 1300 | 0 | 0 | 40 |
| 34 | 240 | 410 | 540 | 650 | 750 | 880 | 1020 | 1130 | 1250 | 1370 | 0 | 0 | 40 |
| 35 | 250 | 440 | 570 | 690 | 800 | 930 | 1070 | 1190 | 1310 | 1440 | 0 | 0 | 40 |
| 36 | 270 | 460 | 610 | 730 | 840 | 980 | 1130 | 1250 | 1380 | 1510 | 0 | 0 | 50 |
| 37 | 280 | 490 | 640 | 770 | 890 | 1030 | 1180 | 1310 | 1450 | 1590 | 0 | 0 | 50 |
| 38 | 300 | 510 | 670 | 810 | 930 | 1080 | 1240 | 1380 | 1520 | 1660 | 0 | 0 | 50 |
| 39 | 310 | 540 | 710 | 850 | 980 | 1140 | 1300 | 1450 | 1590 | 1740 | 0 | 0 | 50 |
| 40 | 330 | 570 | 740 | 890 | 1030 | 1190 | 1370 | 1510 | 1660 | 1820 | 0 | 0 | 50 |

Maple, Sugar

Cubic foot volume inside bark -Maple, Sugar- Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.88 | 1.40 | 2.22 | 3.13 | 4.19 | 5.43 | 6.86 | 8.52 | 10.43 | 12.59 | 15.05 | 17.81 | 0.00 |
| 6 | 1.27 | 2.00 | 2.99 | 4.07 | 5.32 | 6.76 | 8.42 | 10.33 | 12.50 | 14.96 | 17.72 | 20.82 | 0.08 |
| 7 | 1.74 | 2.72 | 3.91 | 5.18 | 6.63 | 8.30 | 10.21 | 12.38 | 14.84 | 17.61 | 20.71 | 24.16 | 0.27 |
| 8 | 2.27 | 3.56 | 4.97 | 6.45 | 8.13 | 10.04 | 12.22 | 14.68 | 17.45 | 20.55 | 24.00 | 27.82 | 0.47 |
| 9 | 2.87 | 4.50 | 6.16 | 7.88 | 9.81 | 11.99 | 14.46 | 17.23 | 20.32 | 23.77 | 27.59 | 31.81 | 0.66 |
| 10 | 3.55 | 5.56 | 7.50 | 9.47 | 11.67 | 14.14 | 16.91 | 20.01 | 23.46 | 27.28 | 31.50 | 36.13 | 0.86 |
| 11 | 4.30 | 6.73 | 8.97 | 11.22 | 13.71 | 16.49 | 19.60 | 23.04 | 26.86 | 31.07 | 35.70 | 40.77 | 1.05 |
| 12 | 5.12 | 8.02 | 10.58 | 13.14 | 15.94 | 19.05 | 22.50 | 26.32 | 30.53 | 35.15 | 40.21 | 45.73 | 1.25 |
| 13 | 6.01 | 9.42 | 12.33 | 15.21 | 18.35 | 21.81 | 25.63 | 29.84 | 34.46 | 39.51 | 45.03 | 51.02 | 1.45 |
| 14 | 6.97 | 10.93 | 14.22 | 17.45 | 20.94 | 24.78 | 28.99 | 33.61 | 38.66 | 44.16 | 50.15 | 56.64 | 1.64 |
| 15 | 8.00 | 12.55 | 16.25 | 19.85 | 23.72 | 27.94 | 32.57 | 37.61 | 43.12 | 49.10 | 55.58 | 62.58 | 1.84 |
| 16 | 9.11 | 14.29 | 18.42 | 22.41 | 26.67 | 31.31 | 36.37 | 41.87 | 47.84 | 54.31 | 61.31 | 68.85 | 2.03 |
| 17 | 10.29 | 16.14 | 20.73 | 25.13 | 29.81 | 34.89 | 40.40 | 46.37 | 52.83 | 59.82 | 67.34 | 75.44 | 2.23 |
| 18 | 11.54 | 18.11 | 23.17 | 28.01 | 33.14 | 38.67 | 44.65 | 51.11 | 58.09 | 65.60 | 73.68 | 82.35 | 2.42 |
| 19 | 12.86 | 20.18 | 25.76 | 31.06 | 36.65 | 42.65 | 49.12 | 56.10 | 63.61 | 71.68 | 80.33 | 89.60 | 2.62 |
| 20 | 14.25 | 22.38 | 28.49 | 34.27 | 40.34 | 46.84 | 53.83 | 61.34 | 69.40 | 78.04 | 87.29 | 97.16 | 2.82 |
| 21 | 15.72 | 28.06 | 35.11 | 41.94 | 48.92 | 56.15 | 63.66 | 71.48 | 79.62 | 88.10 | 96.93 | 106.12 | 3.01 |
| 22 | 17.26 | 30.84 | 38.53 | 45.96 | 53.55 | 61.39 | 69.53 | 77.98 | 86.77 | 95.91 | 105.41 | 115.29 | 3.21 |
| 23 | 18.87 | 33.74 | 42.11 | 50.18 | 58.40 | 66.88 | 75.66 | 84.78 | 94.24 | 104.06 | 114.27 | 124.86 | 3.40 |
| 24 | 20.55 | 36.78 | 45.85 | 54.58 | 63.46 | 72.61 | 82.07 | 91.87 | 102.03 | 112.57 | 123.49 | 134.82 | 3.60 |
| 25 | 22.30 | 39.95 | 49.75 | 59.17 | 68.74 | 78.58 | 88.74 | 99.26 | 110.14 | 121.41 | 133.09 | 145.18 | 3.79 |
| 26 | 24.13 | 43.25 | 53.81 | 63.95 | 74.23 | 84.79 | 95.68 | 106.94 | 118.57 | 130.61 | 143.06 | 155.94 | 3.99 |
| 27 | 26.03 | 46.68 | 58.04 | 68.92 | 79.94 | 91.24 | 102.89 | 114.91 | 127.32 | 140.15 | 153.40 | 167.10 | 4.19 |
| 28 | 28.00 | 50.25 | 62.42 | 74.07 | 85.86 | 97.94 | 110.37 | 123.18 | 136.39 | 150.03 | 164.11 | 178.65 | 4.38 |
| 29 | 30.04 | 53.94 | 66.97 | 79.42 | 92.00 | 104.88 | 118.12 | 131.74 | 145.79 | 160.27 | 175.20 | 190.60 | 4.58 |
| 30 | 32.15 | 57.77 | 71.68 | 84.96 | 98.36 | 112.06 | 126.13 | 140.60 | 155.50 | 170.84 | 186.66 | 202.95 | 4.77 |
| 31 | 34.34 | 61.74 | 76.55 | 90.68 | 104.93 | 119.49 | 134.42 | 149.76 | 165.53 | 181.77 | 198.49 | 215.70 | 4.97 |
| 32 | 36.59 | 65.83 | 81.58 | 96.60 | 111.72 | 127.16 | 142.97 | 159.20 | 175.89 | 193.04 | 210.69 | 228.84 | 5.16 |
| 33 | 38.92 | 70.06 | 86.78 | 102.70 | 118.73 | 135.07 | 151.79 | 168.95 | 186.56 | 204.66 | 223.26 | 242.39 | 5.36 |
| 34 | 41.33 | 74.41 | 92.14 | 109.00 | 125.95 | 143.22 | 160.88 | 178.99 | 197.56 | 216.63 | 236.21 | 256.33 | 5.56 |
| 35 | 43.80 | 78.90 | 97.66 | 115.48 | 133.39 | 151.62 | 170.24 | 189.32 | 208.88 | 228.94 | 249.54 | 270.67 | 5.75 |
| 36 | 46.35 | 83.53 | 103.34 | 122.15 | 141.04 | 160.25 | 179.87 | 199.95 | 220.52 | 241.61 | 263.23 | 285.41 | 5.95 |
| 37 | 48.97 | 88.28 | 109.18 | 129.02 | 148.92 | 169.14 | 189.77 | 210.88 | 232.48 | 254.61 | 277.30 | 300.55 | 6.14 |
| 38 | 51.66 | 93.17 | 115.19 | 136.07 | 157.01 | 178.26 | 199.94 | 222.10 | 244.76 | 267.97 | 291.74 | 316.09 | 6.34 |
| 39 | 54.42 | 98.19 | 121.36 | 143.31 | 165.31 | 187.63 | 210.38 | 233.61 | 257.37 | 281.68 | 306.56 | 332.03 | 6.53 |
| 40 | 57.26 | 103.35 | 127.69 | 150.75 | 173.83 | 197.24 | 221.09 | 245.43 | 270.30 | 295.73 | 321.75 | 348.37 | 6.73 |

Cord volume -Maple, Sugar- Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|------|------|------|------|------|------|------|------|------|------|------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.09 | 0.11 | 0.13 | 0.16 | 0.19 | 0.23 | 0.00 |
| 6 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.09 | 0.11 | 0.13 | 0.16 | 0.19 | 0.22 | 0.26 | 0.00 |
| 7 | 0.02 | 0.03 | 0.05 | 0.07 | 0.08 | 0.11 | 0.13 | 0.16 | 0.19 | 0.22 | 0.26 | 0.31 | 0.00 |
| 8 | 0.03 | 0.05 | 0.06 | 0.08 | 0.10 | 0.13 | 0.15 | 0.19 | 0.22 | 0.26 | 0.30 | 0.35 | 0.01 |
| 9 | 0.04 | 0.06 | 0.08 | 0.10 | 0.12 | 0.15 | 0.18 | 0.22 | 0.26 | 0.30 | 0.35 | 0.40 | 0.01 |
| 10 | 0.04 | 0.07 | 0.09 | 0.12 | 0.15 | 0.18 | 0.21 | 0.25 | 0.30 | 0.35 | 0.40 | 0.46 | 0.01 |
| 11 | 0.05 | 0.09 | 0.11 | 0.14 | 0.17 | 0.21 | 0.25 | 0.29 | 0.34 | 0.39 | 0.45 | 0.52 | 0.01 |
| 12 | 0.06 | 0.10 | 0.13 | 0.17 | 0.20 | 0.24 | 0.28 | 0.33 | 0.39 | 0.45 | 0.51 | 0.58 | 0.02 |
| 13 | 0.08 | 0.12 | 0.16 | 0.19 | 0.23 | 0.28 | 0.32 | 0.38 | 0.44 | 0.50 | 0.57 | 0.65 | 0.02 |
| 14 | 0.09 | 0.14 | 0.18 | 0.22 | 0.27 | 0.31 | 0.37 | 0.43 | 0.49 | 0.56 | 0.63 | 0.72 | 0.02 |
| 15 | 0.10 | 0.16 | 0.21 | 0.25 | 0.30 | 0.35 | 0.41 | 0.48 | 0.55 | 0.62 | 0.70 | 0.79 | 0.02 |
| 16 | 0.12 | 0.18 | 0.23 | 0.28 | 0.34 | 0.40 | 0.46 | 0.53 | 0.61 | 0.69 | 0.78 | 0.87 | 0.03 |
| 17 | 0.13 | 0.20 | 0.26 | 0.32 | 0.38 | 0.44 | 0.51 | 0.59 | 0.67 | 0.76 | 0.85 | 0.96 | 0.03 |
| 18 | 0.15 | 0.23 | 0.29 | 0.35 | 0.42 | 0.49 | 0.57 | 0.65 | 0.74 | 0.83 | 0.93 | 1.04 | 0.03 |
| 19 | 0.16 | 0.26 | 0.33 | 0.39 | 0.46 | 0.54 | 0.62 | 0.71 | 0.81 | 0.91 | 1.02 | 1.13 | 0.03 |
| 20 | 0.18 | 0.28 | 0.36 | 0.43 | 0.51 | 0.59 | 0.68 | 0.78 | 0.88 | 0.99 | 1.11 | 1.23 | 0.04 |
| 21 | 0.20 | 0.36 | 0.44 | 0.53 | 0.62 | 0.71 | 0.81 | 0.90 | 1.01 | 1.12 | 1.23 | 1.34 | 0.04 |
| 22 | 0.22 | 0.39 | 0.49 | 0.58 | 0.68 | 0.78 | 0.88 | 0.99 | 1.10 | 1.21 | 1.33 | 1.46 | 0.04 |
| 23 | 0.24 | 0.43 | 0.53 | 0.64 | 0.74 | 0.85 | 0.96 | 1.07 | 1.19 | 1.32 | 1.45 | 1.58 | 0.04 |
| 24 | 0.26 | 0.47 | 0.58 | 0.69 | 0.80 | 0.92 | 1.04 | 1.16 | 1.29 | 1.43 | 1.56 | 1.71 | 0.05 |
| 25 | 0.28 | 0.51 | 0.63 | 0.75 | 0.87 | 0.99 | 1.12 | 1.26 | 1.39 | 1.54 | 1.68 | 1.84 | 0.05 |
| 26 | 0.31 | 0.55 | 0.68 | 0.81 | 0.94 | 1.07 | 1.21 | 1.35 | 1.50 | 1.65 | 1.81 | 1.97 | 0.05 |
| 27 | 0.33 | 0.59 | 0.73 | 0.87 | 1.01 | 1.16 | 1.30 | 1.45 | 1.61 | 1.77 | 1.94 | 2.12 | 0.05 |
| 28 | 0.35 | 0.64 | 0.79 | 0.94 | 1.09 | 1.24 | 1.40 | 1.56 | 1.73 | 1.90 | 2.08 | 2.26 | 0.06 |
| 29 | 0.38 | 0.68 | 0.85 | 1.01 | 1.16 | 1.33 | 1.50 | 1.67 | 1.85 | 2.03 | 2.22 | 2.41 | 0.06 |
| 30 | 0.41 | 0.73 | 0.91 | 1.08 | 1.25 | 1.42 | 1.60 | 1.78 | 1.97 | 2.16 | 2.36 | 2.57 | 0.06 |
| 31 | 0.43 | 0.78 | 0.97 | 1.15 | 1.33 | 1.51 | 1.70 | 1.90 | 2.10 | 2.30 | 2.51 | 2.73 | 0.06 |
| 32 | 0.46 | 0.83 | 1.03 | 1.22 | 1.41 | 1.61 | 1.81 | 2.02 | 2.23 | 2.44 | 2.67 | 2.90 | 0.07 |
| 33 | 0.49 | 0.89 | 1.10 | 1.30 | 1.50 | 1.71 | 1.92 | 2.14 | 2.36 | 2.59 | 2.83 | 3.07 | 0.07 |
| 34 | 0.52 | 0.94 | 1.17 | 1.38 | 1.59 | 1.81 | 2.04 | 2.27 | 2.50 | 2.74 | 2.99 | 3.25 | 0.07 |
| 35 | 0.55 | 1.00 | 1.24 | 1.46 | 1.69 | 1.92 | 2.16 | 2.40 | 2.64 | 2.90 | 3.16 | 3.43 | 0.07 |
| 36 | 0.59 | 1.06 | 1.31 | 1.55 | 1.79 | 2.03 | 2.28 | 2.53 | 2.79 | 3.06 | 3.33 | 3.61 | 0.08 |
| 37 | 0.62 | 1.12 | 1.38 | 1.63 | 1.89 | 2.14 | 2.40 | 2.67 | 2.94 | 3.22 | 3.51 | 3.81 | 0.08 |
| 38 | 0.65 | 1.18 | 1.46 | 1.72 | 1.99 | 2.26 | 2.53 | 2.81 | 3.10 | 3.39 | 3.69 | 4.00 | 0.08 |
| 39 | 0.69 | 1.24 | 1.54 | 1.81 | 2.09 | 2.38 | 2.66 | 2.96 | 3.26 | 3.57 | 3.88 | 4.20 | 0.08 |
| 40 | 0.72 | 1.31 | 1.62 | 1.91 | 2.20 | 2.50 | 2.80 | 3.11 | 3.42 | 3.74 | 4.07 | 4.41 | 0.09 |

Cubic foot volume inside bark -Maple, Sugar- Sawtimber trees with topwood pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------|--------------|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch saw* |
| 11 | 4.54 | 8.39 | 12.02 | 15.31 | 18.63 | 22.82 | 27.50 | 31.62 | 35.97 | 40.57 | 4.69 | 2.27 | 1.12 |
| 12 | 5.41 | 9.97 | 14.19 | 17.97 | 21.74 | 26.48 | 31.73 | 36.34 | 41.18 | 46.28 | 5.27 | 2.73 | 1.30 |
| 13 | 6.35 | 11.68 | 16.54 | 20.84 | 25.11 | 30.42 | 36.28 | 41.40 | 46.77 | 52.40 | 5.89 | 3.23 | 1.50 |
| 14 | 7.38 | 13.53 | 19.07 | 23.94 | 28.73 | 34.65 | 41.16 | 46.83 | 52.74 | 58.93 | 6.57 | 3.78 | 1.71 |
| 15 | 8.47 | 15.52 | 21.79 | 27.26 | 32.61 | 39.18 | 46.36 | 52.60 | 59.10 | 65.87 | 7.29 | 4.38 | 1.93 |
| 16 | 9.65 | 17.64 | 24.69 | 30.80 | 36.74 | 43.99 | 51.89 | 58.73 | 65.84 | 73.22 | 8.06 | 5.01 | 2.16 |
| 17 | 10.90 | 19.90 | 27.78 | 34.56 | 41.13 | 49.09 | 57.74 | 65.22 | 72.95 | 80.98 | 8.87 | 5.70 | 2.40 |
| 18 | 12.23 | 22.30 | 31.05 | 38.55 | 45.77 | 54.48 | 63.91 | 72.05 | 80.45 | 89.15 | 9.73 | 6.43 | 2.65 |
| 19 | 13.63 | 24.84 | 34.51 | 42.76 | 50.67 | 60.16 | 70.41 | 79.25 | 88.34 | 97.73 | 10.65 | 7.21 | 2.91 |
| 20 | 15.12 | 27.52 | 38.15 | 47.19 | 55.82 | 66.14 | 77.24 | 86.79 | 96.60 | 106.73 | 11.60 | 8.03 | 3.17 |
| 21 | 16.68 | 30.34 | 41.98 | 51.84 | 61.23 | 72.40 | 84.39 | 94.69 | 105.25 | 116.13 | 12.61 | 8.91 | 3.45 |
| 22 | 18.31 | 33.29 | 46.00 | 56.72 | 66.89 | 78.95 | 91.86 | 102.95 | 114.28 | 125.94 | 13.66 | 9.83 | 3.73 |
| 23 | 20.03 | 36.38 | 50.19 | 61.81 | 72.81 | 85.79 | 99.66 | 111.56 | 123.70 | 136.16 | 14.76 | 10.80 | 4.03 |
| 24 | 21.82 | 39.61 | 54.58 | 67.13 | 78.98 | 92.92 | 107.79 | 120.52 | 133.50 | 146.79 | 15.91 | 11.81 | 4.33 |
| 25 | 23.69 | 42.98 | 59.15 | 72.68 | 85.41 | 100.35 | 116.24 | 129.84 | 143.68 | 157.84 | 17.10 | 12.88 | 4.63 |
| 26 | 25.64 | 46.49 | 63.91 | 78.44 | 92.10 | 108.06 | 125.02 | 139.51 | 154.24 | 169.29 | 18.34 | 14.00 | 4.95 |
| 27 | 27.66 | 50.14 | 68.85 | 84.43 | 99.04 | 116.07 | 134.13 | 149.54 | 165.19 | 181.16 | 19.63 | 15.16 | 5.27 |
| 28 | 29.76 | 53.93 | 73.98 | 90.65 | 106.24 | 124.36 | 143.56 | 159.93 | 176.52 | 193.44 | 20.97 | 16.37 | 5.60 |
| 29 | 31.94 | 57.85 | 79.29 | 97.08 | 113.69 | 132.95 | 153.31 | 170.67 | 188.24 | 206.13 | 22.36 | 17.64 | 5.93 |
| 30 | 34.20 | 61.91 | 84.79 | 103.74 | 121.40 | 141.83 | 163.39 | 181.76 | 200.34 | 219.23 | 23.79 | 18.95 | 6.27 |
| 31 | 36.53 | 66.12 | 90.48 | 110.62 | 129.37 | 151.00 | 173.80 | 193.21 | 212.82 | 232.75 | 25.27 | 20.31 | 6.61 |
| 32 | 38.95 | 70.46 | 96.35 | 117.73 | 137.59 | 160.46 | 184.54 | 205.02 | 225.69 | 246.68 | 26.80 | 21.73 | 6.97 |
| 33 | 41.44 | 74.94 | 102.41 | 125.06 | 146.07 | 170.22 | 195.60 | 217.18 | 238.95 | 261.01 | 28.37 | 23.19 | 7.32 |
| 34 | 44.00 | 79.56 | 108.66 | 132.61 | 154.80 | 180.26 | 206.99 | 229.70 | 252.58 | 275.77 | 30.00 | 24.71 | 7.69 |
| 35 | 46.65 | 84.32 | 115.09 | 140.39 | 163.80 | 190.60 | 218.70 | 242.58 | 266.61 | 290.93 | 31.67 | 26.27 | 8.05 |
| 36 | 49.37 | 89.22 | 121.71 | 148.39 | 173.04 | 201.23 | 230.75 | 255.81 | 281.01 | 306.51 | 33.39 | 27.89 | 8.43 |
| 37 | 52.17 | 94.25 | 128.51 | 156.61 | 182.55 | 212.15 | 243.12 | 269.40 | 295.81 | 322.50 | 35.15 | 29.56 | 8.80 |
| 38 | 55.05 | 99.43 | 135.50 | 165.06 | 192.31 | 223.36 | 255.81 | 283.34 | 310.99 | 338.90 | 36.97 | 31.28 | 9.18 |
| 39 | 58.01 | 104.75 | 142.68 | 173.73 | 202.33 | 234.86 | 268.84 | 297.65 | 326.55 | 355.72 | 38.83 | 33.05 | 9.57 |
| 40 | 61.04 | 110.20 | 150.05 | 182.63 | 212.61 | 246.66 | 282.19 | 312.31 | 342.50 | 372.95 | 40.74 | 34.87 | 9.96 |

Scribner Dec. C bdfv volumes -Maple, Sugar- Sawtimber with top pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|--|-----|-----|-----|------|------|------|------|------|------|------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch bdfv* |
| 11 | 20 | 50 | 60 | 80 | 100 | 120 | 150 | 170 | 190 | 220 | 0 | 0 | 10 |
| 12 | 30 | 50 | 80 | 100 | 120 | 140 | 170 | 200 | 220 | 250 | 0 | 0 | 10 |
| 13 | 30 | 60 | 90 | 110 | 140 | 160 | 200 | 220 | 250 | 280 | 0 | 0 | 10 |
| 14 | 40 | 70 | 100 | 130 | 160 | 190 | 220 | 250 | 280 | 320 | 0 | 0 | 10 |
| 15 | 50 | 80 | 120 | 150 | 180 | 210 | 250 | 280 | 320 | 360 | 0 | 0 | 10 |
| 16 | 50 | 100 | 130 | 170 | 200 | 240 | 280 | 320 | 360 | 400 | 0 | 0 | 10 |
| 17 | 60 | 110 | 150 | 190 | 220 | 270 | 310 | 350 | 390 | 440 | 0 | 0 | 10 |
| 18 | 70 | 120 | 170 | 210 | 250 | 290 | 350 | 390 | 430 | 480 | 0 | 0 | 10 |
| 19 | 70 | 130 | 190 | 230 | 270 | 320 | 380 | 430 | 480 | 530 | 0 | 0 | 20 |
| 20 | 80 | 150 | 210 | 250 | 300 | 360 | 420 | 470 | 520 | 580 | 0 | 0 | 20 |
| 21 | 90 | 160 | 230 | 280 | 330 | 390 | 460 | 510 | 570 | 630 | 0 | 0 | 20 |
| 22 | 100 | 180 | 250 | 310 | 360 | 430 | 500 | 560 | 620 | 680 | 0 | 0 | 20 |
| 23 | 110 | 200 | 270 | 330 | 390 | 460 | 540 | 600 | 670 | 740 | 0 | 0 | 20 |
| 24 | 120 | 210 | 290 | 360 | 430 | 500 | 580 | 650 | 720 | 790 | 0 | 0 | 20 |
| 25 | 130 | 230 | 320 | 390 | 460 | 540 | 630 | 700 | 780 | 850 | 0 | 0 | 30 |
| 26 | 140 | 250 | 350 | 420 | 500 | 580 | 680 | 750 | 830 | 910 | 0 | 0 | 30 |
| 27 | 150 | 270 | 370 | 460 | 530 | 630 | 720 | 810 | 890 | 980 | 0 | 0 | 30 |
| 28 | 160 | 290 | 400 | 490 | 570 | 670 | 780 | 860 | 950 | 1040 | 0 | 0 | 30 |
| 29 | 170 | 310 | 430 | 520 | 610 | 720 | 830 | 920 | 1020 | 1110 | 0 | 0 | 30 |
| 30 | 180 | 330 | 460 | 560 | 660 | 770 | 880 | 980 | 1080 | 1180 | 0 | 0 | 30 |
| 31 | 200 | 360 | 490 | 600 | 700 | 820 | 940 | 1040 | 1150 | 1260 | 0 | 0 | 40 |
| 32 | 210 | 380 | 520 | 640 | 740 | 870 | 1000 | 1110 | 1220 | 1330 | 0 | 0 | 40 |
| 33 | 220 | 400 | 550 | 680 | 790 | 920 | 1060 | 1170 | 1290 | 1410 | 0 | 0 | 40 |
| 34 | 240 | 430 | 590 | 720 | 840 | 970 | 1120 | 1240 | 1360 | 1490 | 0 | 0 | 40 |
| 35 | 250 | 460 | 620 | 760 | 880 | 1030 | 1180 | 1310 | 1440 | 1570 | 0 | 0 | 40 |
| 36 | 270 | 480 | 660 | 800 | 930 | 1090 | 1250 | 1380 | 1520 | 1660 | 0 | 0 | 50 |
| 37 | 280 | 510 | 690 | 850 | 990 | 1150 | 1310 | 1450 | 1600 | 1740 | 0 | 0 | 50 |
| 38 | 300 | 540 | 730 | 890 | 1040 | 1210 | 1380 | 1530 | 1680 | 1830 | 0 | 0 | 50 |
| 39 | 310 | 570 | 770 | 940 | 1090 | 1270 | 1450 | 1610 | 1760 | 1920 | 0 | 0 | 50 |
| 40 | 330 | 600 | 810 | 990 | 1150 | 1330 | 1520 | 1690 | 1850 | 2010 | 1 | 0 | 50 |

Oak, pin

Cubic foot volume inside bark -Oak, N. Pin- Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.88 | 1.40 | 2.22 | 3.13 | 4.19 | 5.43 | 6.86 | 8.52 | 10.43 | 12.59 | 15.05 | 17.81 | 0.00 |
| 6 | 1.27 | 2.00 | 2.99 | 4.07 | 5.32 | 6.76 | 8.42 | 10.33 | 12.50 | 14.96 | 17.72 | 20.82 | 0.08 |
| 7 | 1.74 | 2.72 | 3.91 | 5.18 | 6.63 | 8.30 | 10.21 | 12.38 | 14.84 | 17.61 | 20.71 | 24.16 | 0.27 |
| 8 | 2.27 | 3.56 | 4.97 | 6.45 | 8.13 | 10.04 | 12.22 | 14.68 | 17.45 | 20.55 | 24.00 | 27.82 | 0.47 |
| 9 | 2.87 | 4.50 | 6.16 | 7.88 | 9.81 | 11.99 | 14.46 | 17.23 | 20.32 | 23.77 | 27.59 | 31.81 | 0.66 |
| 10 | 3.55 | 5.56 | 7.50 | 9.47 | 11.67 | 14.14 | 16.91 | 20.01 | 23.46 | 27.28 | 31.50 | 36.13 | 0.86 |
| 11 | 4.30 | 6.73 | 8.97 | 11.22 | 13.71 | 16.49 | 19.60 | 23.04 | 26.86 | 31.07 | 35.70 | 40.77 | 1.05 |
| 12 | 5.12 | 8.02 | 10.58 | 13.14 | 15.94 | 19.05 | 22.50 | 26.32 | 30.53 | 35.15 | 40.21 | 45.73 | 1.25 |
| 13 | 6.01 | 9.42 | 12.33 | 15.21 | 18.35 | 21.81 | 25.63 | 29.84 | 34.46 | 39.51 | 45.03 | 51.02 | 1.45 |
| 14 | 6.97 | 10.93 | 14.22 | 17.45 | 20.94 | 24.78 | 28.99 | 33.61 | 38.66 | 44.16 | 50.15 | 56.64 | 1.64 |
| 15 | 8.00 | 12.55 | 16.25 | 19.85 | 23.72 | 27.94 | 32.57 | 37.61 | 43.12 | 49.10 | 55.58 | 62.58 | 1.84 |
| 16 | 9.11 | 14.29 | 18.42 | 22.41 | 26.67 | 31.31 | 36.37 | 41.87 | 47.84 | 54.31 | 61.31 | 68.85 | 2.03 |
| 17 | 10.29 | 16.14 | 20.73 | 25.13 | 29.81 | 34.89 | 40.40 | 46.37 | 52.83 | 59.82 | 67.34 | 75.44 | 2.23 |
| 18 | 11.54 | 18.11 | 23.17 | 28.01 | 33.14 | 38.67 | 44.65 | 51.11 | 58.09 | 65.60 | 73.68 | 82.35 | 2.42 |
| 19 | 12.86 | 20.18 | 25.76 | 31.06 | 36.65 | 42.65 | 49.12 | 56.10 | 63.61 | 71.68 | 80.33 | 89.60 | 2.62 |
| 20 | 14.25 | 22.38 | 28.49 | 34.27 | 40.34 | 46.84 | 53.83 | 61.34 | 69.40 | 78.04 | 87.29 | 97.16 | 2.82 |
| 21 | 15.72 | 24.68 | 31.36 | 37.64 | 44.21 | 51.23 | 58.75 | 66.82 | 75.45 | 84.68 | 94.55 | 105.06 | 3.01 |
| 22 | 17.26 | 27.10 | 34.37 | 41.17 | 48.27 | 55.83 | 63.91 | 72.54 | 81.77 | 91.62 | 102.11 | 113.28 | 3.21 |
| 23 | 18.87 | 29.64 | 37.52 | 44.86 | 52.51 | 60.63 | 69.28 | 78.51 | 88.35 | 98.84 | 109.98 | 121.82 | 3.40 |
| 24 | 20.55 | 32.29 | 40.80 | 48.72 | 56.94 | 65.63 | 74.89 | 84.73 | 95.21 | 106.34 | 118.16 | 130.70 | 3.60 |
| 25 | 22.30 | 35.05 | 44.23 | 52.74 | 61.54 | 70.84 | 80.71 | 91.19 | 102.32 | 114.13 | 126.65 | 139.90 | 3.79 |
| 26 | 24.13 | 37.93 | 47.80 | 56.92 | 66.34 | 76.26 | 86.77 | 97.90 | 109.71 | 122.21 | 135.44 | 149.42 | 3.99 |
| 27 | 26.03 | 40.92 | 51.51 | 61.27 | 71.32 | 81.88 | 93.05 | 104.86 | 117.36 | 130.57 | 144.54 | 159.28 | 4.19 |
| 28 | 28.00 | 44.02 | 55.36 | 65.78 | 76.48 | 87.71 | 99.55 | 112.06 | 125.27 | 139.22 | 153.94 | 169.46 | 4.38 |
| 29 | 30.04 | 47.24 | 59.36 | 70.45 | 81.82 | 93.74 | 106.28 | 119.51 | 133.46 | 148.16 | 163.66 | 179.97 | 4.58 |
| 30 | 32.15 | 50.58 | 63.49 | 75.28 | 87.35 | 99.97 | 113.24 | 127.20 | 141.91 | 157.39 | 173.68 | 190.80 | 4.77 |
| 31 | 34.34 | 54.03 | 67.76 | 80.28 | 93.07 | 106.42 | 120.42 | 135.15 | 150.63 | 166.90 | 184.00 | 201.96 | 4.97 |
| 32 | 36.59 | 57.59 | 72.17 | 85.44 | 98.97 | 113.06 | 127.83 | 143.33 | 159.61 | 176.70 | 194.64 | 213.45 | 5.16 |
| 33 | 38.92 | 61.27 | 76.73 | 90.77 | 105.05 | 119.92 | 135.47 | 151.77 | 168.86 | 186.79 | 205.58 | 225.27 | 5.36 |
| 34 | 41.33 | 65.06 | 81.42 | 96.25 | 111.32 | 126.98 | 143.33 | 160.45 | 178.38 | 197.16 | 216.83 | 237.42 | 5.56 |
| 35 | 43.80 | 68.97 | 86.26 | 101.90 | 117.78 | 134.24 | 151.42 | 169.38 | 188.17 | 207.82 | 228.39 | 249.89 | 5.75 |
| 36 | 46.35 | 72.99 | 91.24 | 107.72 | 124.41 | 141.71 | 159.73 | 178.55 | 198.22 | 218.78 | 240.25 | 262.69 | 5.95 |
| 37 | 48.97 | 77.13 | 96.36 | 113.70 | 131.24 | 149.39 | 168.28 | 187.98 | 208.54 | 230.01 | 252.43 | 275.82 | 6.14 |
| 38 | 51.66 | 81.38 | 101.62 | 119.84 | 138.25 | 157.27 | 177.05 | 197.65 | 219.13 | 241.54 | 264.91 | 289.28 | 6.34 |
| 39 | 54.42 | 85.75 | 107.02 | 126.14 | 145.44 | 165.36 | 186.04 | 207.57 | 229.99 | 253.35 | 277.70 | 303.07 | 6.53 |
| 40 | 57.26 | 90.23 | 112.56 | 132.61 | 152.82 | 173.65 | 195.26 | 217.73 | 241.11 | 265.46 | 290.80 | 317.18 | 6.73 |

Cord volume -Oak, N. Pin- Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB+ | | | | | | | | | | | | branch wood |
|---------|--|------|------|------|------|------|------|------|------|------|------|------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.09 | 0.11 | 0.13 | 0.16 | 0.19 | 0.23 | 0.00 |
| 6 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.09 | 0.11 | 0.13 | 0.16 | 0.19 | 0.22 | 0.26 | 0.00 |
| 7 | 0.02 | 0.03 | 0.05 | 0.07 | 0.08 | 0.11 | 0.13 | 0.16 | 0.19 | 0.22 | 0.26 | 0.31 | 0.00 |
| 8 | 0.03 | 0.05 | 0.06 | 0.08 | 0.10 | 0.13 | 0.15 | 0.19 | 0.22 | 0.26 | 0.30 | 0.35 | 0.01 |
| 9 | 0.04 | 0.06 | 0.08 | 0.10 | 0.12 | 0.15 | 0.18 | 0.22 | 0.26 | 0.30 | 0.35 | 0.40 | 0.01 |
| 10 | 0.04 | 0.07 | 0.09 | 0.12 | 0.15 | 0.18 | 0.21 | 0.25 | 0.30 | 0.35 | 0.40 | 0.46 | 0.01 |
| 11 | 0.05 | 0.09 | 0.11 | 0.14 | 0.17 | 0.21 | 0.25 | 0.29 | 0.34 | 0.39 | 0.45 | 0.52 | 0.01 |
| 12 | 0.06 | 0.10 | 0.13 | 0.17 | 0.20 | 0.24 | 0.28 | 0.33 | 0.39 | 0.45 | 0.51 | 0.58 | 0.02 |
| 13 | 0.08 | 0.12 | 0.16 | 0.19 | 0.23 | 0.28 | 0.32 | 0.38 | 0.44 | 0.50 | 0.57 | 0.65 | 0.02 |
| 14 | 0.09 | 0.14 | 0.18 | 0.22 | 0.27 | 0.31 | 0.37 | 0.43 | 0.49 | 0.56 | 0.63 | 0.72 | 0.02 |
| 15 | 0.10 | 0.16 | 0.21 | 0.25 | 0.30 | 0.35 | 0.41 | 0.48 | 0.55 | 0.62 | 0.70 | 0.79 | 0.02 |
| 16 | 0.12 | 0.18 | 0.23 | 0.28 | 0.34 | 0.40 | 0.46 | 0.53 | 0.61 | 0.69 | 0.78 | 0.87 | 0.03 |
| 17 | 0.13 | 0.20 | 0.26 | 0.32 | 0.38 | 0.44 | 0.51 | 0.59 | 0.67 | 0.76 | 0.85 | 0.96 | 0.03 |
| 18 | 0.15 | 0.23 | 0.29 | 0.35 | 0.42 | 0.49 | 0.57 | 0.65 | 0.74 | 0.83 | 0.93 | 1.04 | 0.03 |
| 19 | 0.16 | 0.26 | 0.33 | 0.39 | 0.46 | 0.54 | 0.62 | 0.71 | 0.81 | 0.91 | 1.02 | 1.13 | 0.03 |
| 20 | 0.18 | 0.28 | 0.36 | 0.43 | 0.51 | 0.59 | 0.68 | 0.78 | 0.88 | 0.99 | 1.11 | 1.23 | 0.04 |
| 21 | 0.20 | 0.31 | 0.40 | 0.48 | 0.56 | 0.65 | 0.74 | 0.85 | 0.96 | 1.07 | 1.20 | 1.33 | 0.04 |
| 22 | 0.22 | 0.34 | 0.44 | 0.52 | 0.61 | 0.71 | 0.81 | 0.92 | 1.04 | 1.16 | 1.29 | 1.43 | 0.04 |
| 23 | 0.24 | 0.38 | 0.47 | 0.57 | 0.66 | 0.77 | 0.88 | 0.99 | 1.12 | 1.25 | 1.39 | 1.54 | 0.04 |
| 24 | 0.26 | 0.41 | 0.52 | 0.62 | 0.72 | 0.83 | 0.95 | 1.07 | 1.21 | 1.35 | 1.50 | 1.65 | 0.05 |
| 25 | 0.28 | 0.44 | 0.56 | 0.67 | 0.78 | 0.90 | 1.02 | 1.15 | 1.30 | 1.44 | 1.60 | 1.77 | 0.05 |
| 26 | 0.31 | 0.48 | 0.61 | 0.72 | 0.84 | 0.97 | 1.10 | 1.24 | 1.39 | 1.55 | 1.71 | 1.89 | 0.05 |
| 27 | 0.33 | 0.52 | 0.65 | 0.78 | 0.90 | 1.04 | 1.18 | 1.33 | 1.49 | 1.65 | 1.83 | 2.02 | 0.05 |
| 28 | 0.35 | 0.56 | 0.70 | 0.83 | 0.97 | 1.11 | 1.26 | 1.42 | 1.59 | 1.76 | 1.95 | 2.15 | 0.06 |
| 29 | 0.38 | 0.60 | 0.75 | 0.89 | 1.04 | 1.19 | 1.35 | 1.51 | 1.69 | 1.88 | 2.07 | 2.28 | 0.06 |
| 30 | 0.41 | 0.64 | 0.80 | 0.95 | 1.11 | 1.27 | 1.43 | 1.61 | 1.80 | 1.99 | 2.20 | 2.42 | 0.06 |
| 31 | 0.43 | 0.68 | 0.86 | 1.02 | 1.18 | 1.35 | 1.52 | 1.71 | 1.91 | 2.11 | 2.33 | 2.56 | 0.06 |
| 32 | 0.46 | 0.73 | 0.91 | 1.08 | 1.25 | 1.43 | 1.62 | 1.81 | 2.02 | 2.24 | 2.46 | 2.70 | 0.07 |
| 33 | 0.49 | 0.78 | 0.97 | 1.15 | 1.33 | 1.52 | 1.72 | 1.92 | 2.14 | 2.36 | 2.60 | 2.85 | 0.07 |
| 34 | 0.52 | 0.82 | 1.03 | 1.22 | 1.41 | 1.61 | 1.81 | 2.03 | 2.26 | 2.50 | 2.75 | 3.01 | 0.07 |
| 35 | 0.55 | 0.87 | 1.09 | 1.29 | 1.49 | 1.70 | 1.92 | 2.14 | 2.38 | 2.63 | 2.89 | 3.16 | 0.07 |
| 36 | 0.59 | 0.92 | 1.16 | 1.36 | 1.58 | 1.79 | 2.02 | 2.26 | 2.51 | 2.77 | 3.04 | 3.33 | 0.08 |
| 37 | 0.62 | 0.98 | 1.22 | 1.44 | 1.66 | 1.89 | 2.13 | 2.38 | 2.64 | 2.91 | 3.20 | 3.49 | 0.08 |
| 38 | 0.65 | 1.03 | 1.29 | 1.52 | 1.75 | 1.99 | 2.24 | 2.50 | 2.77 | 3.06 | 3.35 | 3.66 | 0.08 |
| 39 | 0.69 | 1.09 | 1.35 | 1.60 | 1.84 | 2.09 | 2.36 | 2.63 | 2.91 | 3.21 | 3.52 | 3.84 | 0.08 |
| 40 | 0.72 | 1.14 | 1.43 | 1.68 | 1.93 | 2.20 | 2.47 | 2.76 | 3.05 | 3.36 | 3.68 | 4.02 | 0.09 |

Cubic foot volume inside bark -Oak, N. Pin- Sawtimber trees with topwood pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------|--------------|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch saw* |
| 11 | 4.43 | 8.15 | 11.68 | 14.92 | 18.22 | 22.50 | 27.33 | 31.58 | 36.11 | 40.93 | 4.48 | 1.51 | 0.90 |
| 12 | 5.28 | 9.68 | 13.77 | 17.47 | 21.21 | 26.02 | 31.41 | 36.14 | 41.15 | 46.46 | 5.01 | 1.82 | 1.05 |
| 13 | 6.20 | 11.33 | 16.03 | 20.23 | 24.45 | 29.80 | 35.79 | 41.02 | 46.54 | 52.37 | 5.58 | 2.16 | 1.21 |
| 14 | 7.19 | 13.12 | 18.46 | 23.20 | 27.91 | 33.86 | 40.48 | 46.24 | 52.29 | 58.66 | 6.19 | 2.53 | 1.38 |
| 15 | 8.26 | 15.04 | 21.07 | 26.38 | 31.62 | 38.19 | 45.46 | 51.78 | 58.39 | 65.34 | 6.84 | 2.92 | 1.55 |
| 16 | 9.41 | 17.10 | 23.86 | 29.77 | 35.57 | 42.79 | 50.75 | 57.65 | 64.85 | 72.39 | 7.53 | 3.35 | 1.74 |
| 17 | 10.63 | 19.29 | 26.83 | 33.37 | 39.76 | 47.67 | 56.35 | 63.85 | 71.66 | 79.82 | 8.27 | 3.82 | 1.94 |
| 18 | 11.92 | 21.61 | 29.96 | 37.18 | 44.18 | 52.81 | 62.24 | 70.38 | 78.82 | 87.62 | 9.05 | 4.31 | 2.14 |
| 19 | 13.29 | 24.06 | 33.28 | 41.19 | 48.85 | 58.22 | 68.44 | 77.23 | 86.34 | 95.81 | 9.87 | 4.84 | 2.35 |
| 20 | 14.74 | 26.64 | 36.77 | 45.42 | 53.75 | 63.91 | 74.95 | 84.42 | 94.22 | 104.38 | 10.73 | 5.39 | 2.57 |
| 21 | 16.26 | 29.36 | 40.44 | 49.86 | 58.90 | 69.86 | 81.75 | 91.94 | 102.45 | 113.33 | 11.64 | 5.98 | 2.79 |
| 22 | 17.85 | 32.22 | 44.28 | 54.51 | 64.28 | 76.09 | 88.86 | 99.79 | 111.04 | 122.67 | 12.58 | 6.61 | 3.03 |
| 23 | 19.52 | 35.20 | 48.30 | 59.37 | 69.91 | 82.59 | 96.28 | 107.97 | 119.98 | 132.38 | 13.57 | 7.26 | 3.27 |
| 24 | 21.27 | 38.32 | 52.50 | 64.44 | 75.77 | 89.37 | 103.99 | 116.48 | 129.28 | 142.47 | 14.60 | 7.95 | 3.51 |
| 25 | 23.09 | 41.57 | 56.88 | 69.72 | 81.88 | 96.41 | 112.02 | 125.32 | 138.93 | 152.94 | 15.67 | 8.68 | 3.76 |
| 26 | 24.99 | 44.96 | 61.43 | 75.21 | 88.23 | 103.73 | 120.34 | 134.49 | 148.94 | 163.80 | 16.79 | 9.43 | 4.02 |
| 27 | 26.96 | 48.48 | 66.15 | 80.91 | 94.81 | 111.32 | 128.97 | 143.99 | 159.31 | 175.04 | 17.95 | 10.22 | 4.29 |
| 28 | 29.01 | 52.13 | 71.06 | 86.82 | 101.64 | 119.18 | 137.91 | 153.82 | 170.04 | 186.65 | 19.14 | 11.05 | 4.56 |
| 29 | 31.13 | 55.91 | 76.14 | 92.94 | 108.71 | 127.32 | 147.15 | 163.98 | 181.12 | 198.65 | 20.38 | 11.91 | 4.83 |
| 30 | 33.33 | 59.83 | 81.40 | 99.28 | 116.02 | 135.73 | 156.69 | 174.47 | 192.55 | 211.04 | 21.67 | 12.80 | 5.11 |
| 31 | 35.60 | 63.89 | 86.83 | 105.82 | 123.57 | 144.41 | 166.54 | 185.30 | 204.35 | 223.80 | 22.99 | 13.73 | 5.40 |
| 32 | 37.95 | 68.07 | 92.45 | 112.58 | 131.36 | 153.36 | 176.70 | 196.46 | 216.50 | 236.95 | 24.36 | 14.69 | 5.69 |
| 33 | 40.38 | 72.39 | 98.24 | 119.54 | 139.39 | 162.59 | 187.16 | 207.95 | 229.01 | 250.47 | 25.77 | 15.69 | 5.99 |
| 34 | 42.88 | 76.85 | 104.20 | 126.72 | 147.67 | 172.09 | 197.92 | 219.77 | 241.88 | 264.39 | 27.22 | 16.72 | 6.29 |
| 35 | 45.45 | 81.44 | 110.35 | 134.11 | 156.18 | 181.87 | 208.99 | 231.92 | 255.10 | 278.68 | 28.71 | 17.79 | 6.59 |
| 36 | 48.10 | 86.16 | 116.67 | 141.71 | 164.94 | 191.91 | 220.37 | 244.40 | 268.68 | 293.36 | 30.25 | 18.89 | 6.90 |
| 37 | 50.83 | 91.02 | 123.17 | 149.53 | 173.94 | 202.23 | 232.05 | 257.22 | 282.62 | 308.42 | 31.83 | 20.03 | 7.22 |
| 38 | 53.64 | 96.01 | 129.85 | 157.55 | 183.18 | 212.83 | 244.03 | 270.37 | 296.92 | 323.86 | 33.45 | 21.20 | 7.54 |
| 39 | 56.51 | 101.13 | 136.70 | 165.79 | 192.66 | 223.70 | 256.33 | 283.85 | 311.58 | 339.68 | 35.11 | 22.41 | 7.86 |
| 40 | 59.47 | 106.39 | 143.73 | 174.24 | 202.38 | 234.84 | 268.92 | 297.66 | 326.59 | 355.89 | 36.81 | 23.66 | 8.19 |

Scribner Dec. C bdfv volumes -Oak, N. Pin- Sawtimber with top pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|--|-----|-----|-----|------|------|------|------|------|------|------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch bdfv* |
| 11 | 20 | 40 | 60 | 80 | 100 | 120 | 150 | 170 | 200 | 220 | 0 | 0 | 0 |
| 12 | 30 | 50 | 70 | 90 | 110 | 140 | 170 | 200 | 220 | 250 | 0 | 0 | 10 |
| 13 | 30 | 60 | 90 | 110 | 130 | 160 | 190 | 220 | 250 | 280 | 0 | 0 | 10 |
| 14 | 40 | 70 | 100 | 130 | 150 | 180 | 220 | 250 | 280 | 320 | 0 | 0 | 10 |
| 15 | 40 | 80 | 110 | 140 | 170 | 210 | 250 | 280 | 320 | 350 | 0 | 0 | 10 |
| 16 | 50 | 90 | 130 | 160 | 190 | 230 | 270 | 310 | 350 | 390 | 0 | 0 | 10 |
| 17 | 60 | 100 | 140 | 180 | 210 | 260 | 300 | 340 | 390 | 430 | 0 | 0 | 10 |
| 18 | 60 | 120 | 160 | 200 | 240 | 290 | 340 | 380 | 430 | 470 | 0 | 0 | 10 |
| 19 | 70 | 130 | 180 | 220 | 260 | 310 | 370 | 420 | 470 | 520 | 0 | 0 | 10 |
| 20 | 80 | 140 | 200 | 250 | 290 | 350 | 400 | 460 | 510 | 560 | 0 | 0 | 10 |
| 21 | 90 | 160 | 220 | 270 | 320 | 380 | 440 | 500 | 550 | 610 | 0 | 0 | 20 |
| 22 | 100 | 170 | 240 | 290 | 350 | 410 | 480 | 540 | 600 | 660 | 0 | 0 | 20 |
| 23 | 110 | 190 | 260 | 320 | 380 | 450 | 520 | 580 | 650 | 710 | 0 | 0 | 20 |
| 24 | 110 | 210 | 280 | 350 | 410 | 480 | 560 | 630 | 700 | 770 | 0 | 0 | 20 |
| 25 | 120 | 220 | 310 | 380 | 440 | 520 | 600 | 680 | 750 | 830 | 0 | 0 | 20 |
| 26 | 130 | 240 | 330 | 410 | 480 | 560 | 650 | 730 | 800 | 880 | 0 | 0 | 20 |
| 27 | 150 | 260 | 360 | 440 | 510 | 600 | 700 | 780 | 860 | 950 | 0 | 0 | 20 |
| 28 | 160 | 280 | 380 | 470 | 550 | 640 | 740 | 830 | 920 | 1010 | 0 | 0 | 20 |
| 29 | 170 | 300 | 410 | 500 | 590 | 690 | 790 | 890 | 980 | 1070 | 0 | 0 | 30 |
| 30 | 180 | 320 | 440 | 540 | 630 | 730 | 850 | 940 | 1040 | 1140 | 0 | 0 | 30 |
| 31 | 190 | 340 | 470 | 570 | 670 | 780 | 900 | 1000 | 1100 | 1210 | 0 | 0 | 30 |
| 32 | 200 | 370 | 500 | 610 | 710 | 830 | 950 | 1060 | 1170 | 1280 | 0 | 0 | 30 |
| 33 | 220 | 390 | 530 | 650 | 750 | 880 | 1010 | 1120 | 1240 | 1350 | 0 | 0 | 30 |
| 34 | 230 | 410 | 560 | 680 | 800 | 930 | 1070 | 1190 | 1310 | 1430 | 0 | 0 | 30 |
| 35 | 250 | 440 | 600 | 720 | 840 | 980 | 1130 | 1250 | 1380 | 1500 | 0 | 0 | 40 |
| 36 | 260 | 470 | 630 | 770 | 890 | 1040 | 1190 | 1320 | 1450 | 1580 | 0 | 0 | 40 |
| 37 | 270 | 490 | 670 | 810 | 940 | 1090 | 1250 | 1390 | 1530 | 1670 | 0 | 0 | 40 |
| 38 | 290 | 520 | 700 | 850 | 990 | 1150 | 1320 | 1460 | 1600 | 1750 | 0 | 0 | 40 |
| 39 | 310 | 550 | 740 | 900 | 1040 | 1210 | 1380 | 1530 | 1680 | 1830 | 0 | 0 | 40 |
| 40 | 320 | 570 | 780 | 940 | 1090 | 1270 | 1450 | 1610 | 1760 | 1920 | 0 | 0 | 40 |

Oak, red

Cubic foot volume inside bark -Oak, Red- Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.88 | 1.42 | 2.25 | 3.16 | 4.23 | 5.47 | 6.91 | 8.57 | 10.46 | 12.60 | 15.03 | 17.75 | 0.00 |
| 6 | 1.27 | 2.04 | 3.04 | 4.12 | 5.38 | 6.82 | 8.49 | 10.39 | 12.55 | 14.99 | 17.73 | 20.80 | 0.08 |
| 7 | 1.74 | 2.77 | 3.97 | 5.25 | 6.71 | 8.38 | 10.29 | 12.47 | 14.92 | 17.67 | 20.75 | 24.17 | 0.27 |
| 8 | 2.27 | 3.61 | 5.03 | 6.53 | 8.22 | 10.14 | 12.33 | 14.79 | 17.55 | 20.64 | 24.07 | 27.87 | 0.47 |
| 9 | 2.87 | 4.57 | 6.24 | 7.98 | 9.92 | 12.11 | 14.58 | 17.36 | 20.45 | 23.89 | 27.70 | 31.89 | 0.66 |
| 10 | 3.55 | 5.64 | 7.59 | 9.58 | 11.80 | 14.28 | 17.06 | 20.17 | 23.62 | 27.43 | 31.64 | 36.25 | 0.86 |
| 11 | 4.30 | 6.83 | 9.08 | 11.35 | 13.86 | 16.66 | 19.77 | 23.23 | 27.05 | 31.26 | 35.88 | 40.93 | 1.05 |
| 12 | 5.12 | 8.13 | 10.71 | 13.29 | 16.11 | 19.24 | 22.70 | 26.53 | 30.75 | 35.37 | 40.43 | 45.93 | 1.25 |
| 13 | 6.01 | 9.54 | 12.48 | 15.38 | 18.54 | 22.02 | 25.86 | 30.08 | 34.71 | 39.77 | 45.28 | 51.26 | 1.45 |
| 14 | 6.97 | 11.07 | 14.39 | 17.64 | 21.16 | 25.01 | 29.24 | 33.88 | 38.94 | 44.45 | 50.44 | 56.92 | 1.64 |
| 15 | 8.00 | 12.72 | 16.44 | 20.07 | 23.96 | 28.21 | 32.85 | 37.92 | 43.44 | 49.42 | 55.91 | 62.91 | 1.84 |
| 16 | 9.11 | 14.47 | 18.63 | 22.65 | 26.94 | 31.61 | 36.69 | 42.21 | 48.20 | 54.68 | 61.68 | 69.22 | 2.03 |
| 17 | 10.29 | 16.35 | 20.97 | 25.40 | 30.11 | 35.21 | 40.75 | 46.74 | 53.23 | 60.23 | 67.76 | 75.86 | 2.23 |
| 18 | 11.54 | 18.34 | 23.44 | 28.31 | 33.47 | 39.03 | 45.03 | 51.52 | 58.52 | 66.06 | 74.15 | 82.82 | 2.42 |
| 19 | 12.86 | 20.44 | 26.06 | 31.38 | 37.01 | 43.04 | 49.55 | 56.55 | 64.09 | 72.18 | 80.84 | 90.12 | 2.62 |
| 20 | 14.25 | 22.66 | 28.81 | 34.62 | 40.73 | 47.27 | 54.29 | 61.83 | 69.92 | 78.58 | 87.85 | 97.74 | 2.82 |
| 21 | 15.72 | 24.99 | 31.71 | 38.03 | 44.64 | 51.69 | 59.25 | 67.35 | 76.01 | 85.27 | 95.16 | 105.68 | 3.01 |
| 22 | 17.26 | 27.44 | 34.75 | 41.59 | 48.73 | 56.33 | 64.44 | 73.12 | 82.38 | 92.25 | 102.77 | 113.96 | 3.21 |
| 23 | 18.87 | 30.01 | 37.93 | 45.32 | 53.01 | 61.17 | 69.86 | 79.13 | 89.01 | 99.52 | 110.70 | 122.56 | 3.40 |
| 24 | 20.55 | 32.69 | 41.26 | 49.21 | 57.47 | 66.21 | 75.51 | 85.40 | 95.91 | 107.08 | 118.93 | 131.49 | 3.60 |
| 25 | 22.30 | 35.48 | 44.72 | 53.27 | 62.12 | 71.47 | 81.38 | 91.91 | 103.08 | 114.92 | 127.47 | 140.75 | 3.79 |
| 26 | 24.13 | 38.39 | 48.33 | 57.49 | 66.96 | 76.93 | 87.48 | 98.66 | 110.51 | 123.05 | 136.32 | 150.34 | 3.99 |
| 27 | 26.03 | 41.42 | 52.08 | 61.88 | 71.98 | 82.59 | 93.81 | 105.67 | 118.21 | 131.47 | 145.48 | 160.25 | 4.19 |
| 28 | 28.00 | 44.56 | 55.97 | 66.43 | 77.18 | 88.46 | 100.36 | 112.92 | 126.18 | 140.18 | 154.94 | 170.50 | 4.38 |
| 29 | 30.04 | 47.82 | 60.00 | 71.14 | 82.57 | 94.54 | 107.14 | 120.42 | 134.42 | 149.18 | 164.72 | 181.07 | 4.58 |
| 30 | 32.15 | 51.19 | 64.17 | 76.02 | 88.15 | 100.83 | 114.15 | 128.17 | 142.93 | 158.46 | 174.80 | 191.97 | 4.77 |
| 31 | 34.34 | 54.68 | 68.49 | 81.07 | 93.91 | 107.32 | 121.39 | 136.17 | 151.71 | 168.04 | 185.19 | 203.20 | 4.97 |
| 32 | 36.59 | 58.28 | 72.95 | 86.27 | 99.86 | 114.02 | 128.85 | 144.41 | 160.75 | 177.90 | 195.89 | 214.76 | 5.16 |
| 33 | 38.92 | 62.00 | 77.55 | 91.65 | 106.00 | 120.92 | 136.54 | 152.90 | 170.06 | 188.05 | 206.90 | 226.65 | 5.36 |
| 34 | 41.33 | 65.84 | 82.29 | 97.18 | 112.32 | 128.04 | 144.46 | 161.65 | 179.64 | 198.49 | 218.22 | 238.86 | 5.56 |
| 35 | 43.80 | 69.79 | 87.18 | 102.89 | 118.82 | 135.36 | 152.61 | 170.64 | 189.49 | 209.22 | 229.85 | 251.41 | 5.75 |
| 36 | 46.35 | 73.86 | 92.20 | 108.75 | 125.52 | 142.88 | 160.98 | 179.87 | 199.61 | 220.24 | 241.78 | 264.29 | 5.95 |
| 37 | 48.97 | 78.05 | 97.37 | 114.78 | 132.40 | 150.62 | 169.58 | 189.36 | 210.00 | 231.54 | 254.03 | 277.49 | 6.14 |
| 38 | 51.66 | 82.35 | 102.69 | 120.98 | 139.46 | 158.56 | 178.41 | 199.10 | 220.66 | 243.14 | 266.59 | 291.03 | 6.34 |
| 39 | 54.42 | 86.76 | 108.14 | 127.34 | 146.71 | 166.71 | 187.47 | 209.08 | 231.58 | 255.03 | 279.45 | 304.89 | 6.53 |
| 40 | 57.26 | 91.30 | 113.74 | 133.87 | 154.15 | 175.07 | 196.76 | 219.31 | 242.78 | 267.20 | 292.63 | 319.09 | 6.73 |

Cord volume -Oak, Red- Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB† | | | | | | | | | | | | branch wood |
|---------|--|------|------|------|------|------|------|------|------|------|------|------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.09 | 0.11 | 0.13 | 0.16 | 0.19 | 0.22 | 0.00 |
| 6 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.09 | 0.11 | 0.13 | 0.16 | 0.19 | 0.22 | 0.26 | 0.00 |
| 7 | 0.02 | 0.04 | 0.05 | 0.07 | 0.08 | 0.11 | 0.13 | 0.16 | 0.19 | 0.22 | 0.26 | 0.31 | 0.00 |
| 8 | 0.03 | 0.05 | 0.06 | 0.08 | 0.10 | 0.13 | 0.16 | 0.19 | 0.22 | 0.26 | 0.30 | 0.35 | 0.01 |
| 9 | 0.04 | 0.06 | 0.08 | 0.10 | 0.13 | 0.15 | 0.18 | 0.22 | 0.26 | 0.30 | 0.35 | 0.40 | 0.01 |
| 10 | 0.04 | 0.07 | 0.10 | 0.12 | 0.15 | 0.18 | 0.22 | 0.26 | 0.30 | 0.35 | 0.40 | 0.46 | 0.01 |
| 11 | 0.05 | 0.09 | 0.11 | 0.14 | 0.18 | 0.21 | 0.25 | 0.29 | 0.34 | 0.40 | 0.45 | 0.52 | 0.01 |
| 12 | 0.06 | 0.10 | 0.14 | 0.17 | 0.20 | 0.24 | 0.29 | 0.34 | 0.39 | 0.45 | 0.51 | 0.58 | 0.02 |
| 13 | 0.08 | 0.12 | 0.16 | 0.19 | 0.23 | 0.28 | 0.33 | 0.38 | 0.44 | 0.50 | 0.57 | 0.65 | 0.02 |
| 14 | 0.09 | 0.14 | 0.18 | 0.22 | 0.27 | 0.32 | 0.37 | 0.43 | 0.49 | 0.56 | 0.64 | 0.72 | 0.02 |
| 15 | 0.10 | 0.16 | 0.21 | 0.25 | 0.30 | 0.36 | 0.42 | 0.48 | 0.55 | 0.63 | 0.71 | 0.80 | 0.02 |
| 16 | 0.12 | 0.18 | 0.24 | 0.29 | 0.34 | 0.40 | 0.46 | 0.53 | 0.61 | 0.69 | 0.78 | 0.88 | 0.03 |
| 17 | 0.13 | 0.21 | 0.27 | 0.32 | 0.38 | 0.45 | 0.52 | 0.59 | 0.67 | 0.76 | 0.86 | 0.96 | 0.03 |
| 18 | 0.15 | 0.23 | 0.30 | 0.36 | 0.42 | 0.49 | 0.57 | 0.65 | 0.74 | 0.84 | 0.94 | 1.05 | 0.03 |
| 19 | 0.16 | 0.26 | 0.33 | 0.40 | 0.47 | 0.54 | 0.63 | 0.72 | 0.81 | 0.91 | 1.02 | 1.14 | 0.03 |
| 20 | 0.18 | 0.29 | 0.36 | 0.44 | 0.52 | 0.60 | 0.69 | 0.78 | 0.89 | 0.99 | 1.11 | 1.24 | 0.04 |
| 21 | 0.20 | 0.32 | 0.40 | 0.48 | 0.57 | 0.65 | 0.75 | 0.85 | 0.96 | 1.08 | 1.20 | 1.34 | 0.04 |
| 22 | 0.22 | 0.35 | 0.44 | 0.53 | 0.62 | 0.71 | 0.82 | 0.93 | 1.04 | 1.17 | 1.30 | 1.44 | 0.04 |
| 23 | 0.24 | 0.38 | 0.48 | 0.57 | 0.67 | 0.77 | 0.88 | 1.00 | 1.13 | 1.26 | 1.40 | 1.55 | 0.04 |
| 24 | 0.26 | 0.41 | 0.52 | 0.62 | 0.73 | 0.84 | 0.96 | 1.08 | 1.21 | 1.36 | 1.51 | 1.66 | 0.05 |
| 25 | 0.28 | 0.45 | 0.57 | 0.67 | 0.79 | 0.90 | 1.03 | 1.16 | 1.30 | 1.45 | 1.61 | 1.78 | 0.05 |
| 26 | 0.31 | 0.49 | 0.61 | 0.73 | 0.85 | 0.97 | 1.11 | 1.25 | 1.40 | 1.56 | 1.73 | 1.90 | 0.05 |
| 27 | 0.33 | 0.52 | 0.66 | 0.78 | 0.91 | 1.05 | 1.19 | 1.34 | 1.50 | 1.66 | 1.84 | 2.03 | 0.05 |
| 28 | 0.35 | 0.56 | 0.71 | 0.84 | 0.98 | 1.12 | 1.27 | 1.43 | 1.60 | 1.77 | 1.96 | 2.16 | 0.06 |
| 29 | 0.38 | 0.61 | 0.76 | 0.90 | 1.05 | 1.20 | 1.36 | 1.52 | 1.70 | 1.89 | 2.09 | 2.29 | 0.06 |
| 30 | 0.41 | 0.65 | 0.81 | 0.96 | 1.12 | 1.28 | 1.45 | 1.62 | 1.81 | 2.01 | 2.21 | 2.43 | 0.06 |
| 31 | 0.43 | 0.69 | 0.87 | 1.03 | 1.19 | 1.36 | 1.54 | 1.72 | 1.92 | 2.13 | 2.34 | 2.57 | 0.06 |
| 32 | 0.46 | 0.74 | 0.92 | 1.09 | 1.26 | 1.44 | 1.63 | 1.83 | 2.04 | 2.25 | 2.48 | 2.72 | 0.07 |
| 33 | 0.49 | 0.78 | 0.98 | 1.16 | 1.34 | 1.53 | 1.73 | 1.94 | 2.15 | 2.38 | 2.62 | 2.87 | 0.07 |
| 34 | 0.52 | 0.83 | 1.04 | 1.23 | 1.42 | 1.62 | 1.83 | 2.05 | 2.27 | 2.51 | 2.76 | 3.02 | 0.07 |
| 35 | 0.55 | 0.88 | 1.10 | 1.30 | 1.50 | 1.71 | 1.93 | 2.16 | 2.40 | 2.65 | 2.91 | 3.18 | 0.07 |
| 36 | 0.59 | 0.94 | 1.17 | 1.38 | 1.59 | 1.81 | 2.04 | 2.28 | 2.53 | 2.79 | 3.06 | 3.35 | 0.08 |
| 37 | 0.62 | 0.99 | 1.23 | 1.45 | 1.68 | 1.91 | 2.15 | 2.40 | 2.66 | 2.93 | 3.22 | 3.51 | 0.08 |
| 38 | 0.65 | 1.04 | 1.30 | 1.53 | 1.77 | 2.01 | 2.26 | 2.52 | 2.79 | 3.08 | 3.37 | 3.68 | 0.08 |
| 39 | 0.69 | 1.10 | 1.37 | 1.61 | 1.86 | 2.11 | 2.37 | 2.65 | 2.93 | 3.23 | 3.54 | 3.86 | 0.08 |
| 40 | 0.72 | 1.16 | 1.44 | 1.69 | 1.95 | 2.22 | 2.49 | 2.78 | 3.07 | 3.38 | 3.70 | 4.04 | 0.09 |

Cubic foot volume inside bark -Oak, Red- Sawtimber trees with topwood pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------|--------------|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch saw* |
| 11 | 4.49 | 8.27 | 11.84 | 15.13 | 18.48 | 22.83 | 27.74 | 32.08 | 36.69 | 41.61 | 4.55 | 1.51 | 0.90 |
| 12 | 5.35 | 9.81 | 13.96 | 17.72 | 21.52 | 26.40 | 31.88 | 36.70 | 41.81 | 47.23 | 5.09 | 1.82 | 1.05 |
| 13 | 6.28 | 11.50 | 16.26 | 20.53 | 24.80 | 30.25 | 36.34 | 41.67 | 47.29 | 53.24 | 5.67 | 2.16 | 1.21 |
| 14 | 7.29 | 13.32 | 18.74 | 23.55 | 28.33 | 34.37 | 41.10 | 46.96 | 53.13 | 59.63 | 6.29 | 2.53 | 1.38 |
| 15 | 8.37 | 15.27 | 21.39 | 26.78 | 32.10 | 38.78 | 46.17 | 52.60 | 59.33 | 66.41 | 6.95 | 2.92 | 1.55 |
| 16 | 9.54 | 17.36 | 24.23 | 30.22 | 36.11 | 43.45 | 51.55 | 58.56 | 65.89 | 73.58 | 7.66 | 3.35 | 1.74 |
| 17 | 10.77 | 19.58 | 27.24 | 33.88 | 40.37 | 48.41 | 57.23 | 64.87 | 72.82 | 81.13 | 8.40 | 3.82 | 1.94 |
| 18 | 12.09 | 21.94 | 30.43 | 37.76 | 44.87 | 53.64 | 63.23 | 71.50 | 80.10 | 89.07 | 9.19 | 4.31 | 2.14 |
| 19 | 13.48 | 24.43 | 33.81 | 41.84 | 49.62 | 59.14 | 69.54 | 78.48 | 87.75 | 97.40 | 10.03 | 4.84 | 2.35 |
| 20 | 14.94 | 27.06 | 37.36 | 46.15 | 54.61 | 64.92 | 76.15 | 85.79 | 95.76 | 106.11 | 10.90 | 5.39 | 2.57 |
| 21 | 16.48 | 29.82 | 41.09 | 50.66 | 59.84 | 70.98 | 83.07 | 93.43 | 104.13 | 115.21 | 11.82 | 5.98 | 2.79 |
| 22 | 18.10 | 32.72 | 45.00 | 55.39 | 65.32 | 77.32 | 90.30 | 101.42 | 112.86 | 124.70 | 12.78 | 6.61 | 3.03 |
| 23 | 19.80 | 35.76 | 49.09 | 60.33 | 71.04 | 83.93 | 97.85 | 109.74 | 121.96 | 134.58 | 13.78 | 7.26 | 3.27 |
| 24 | 21.57 | 38.93 | 53.36 | 65.49 | 77.01 | 90.83 | 105.70 | 118.39 | 131.42 | 144.84 | 14.82 | 7.95 | 3.51 |
| 25 | 23.41 | 42.24 | 57.81 | 70.86 | 83.22 | 97.99 | 113.86 | 127.38 | 141.24 | 155.50 | 15.91 | 8.68 | 3.76 |
| 26 | 25.34 | 45.68 | 62.44 | 76.45 | 89.68 | 105.44 | 122.33 | 136.71 | 151.42 | 166.54 | 17.04 | 9.43 | 4.02 |
| 27 | 27.34 | 49.26 | 67.25 | 82.25 | 96.38 | 113.16 | 131.11 | 146.38 | 161.97 | 177.97 | 18.21 | 10.22 | 4.29 |
| 28 | 29.41 | 52.97 | 72.24 | 88.27 | 103.33 | 121.16 | 140.20 | 156.38 | 172.88 | 189.79 | 19.43 | 11.05 | 4.56 |
| 29 | 31.57 | 56.82 | 77.41 | 94.50 | 110.52 | 129.44 | 149.61 | 166.72 | 184.15 | 202.00 | 20.69 | 11.91 | 4.83 |
| 30 | 33.80 | 60.81 | 82.76 | 100.95 | 117.96 | 138.00 | 159.32 | 177.40 | 195.79 | 214.59 | 21.99 | 12.80 | 5.11 |
| 31 | 36.10 | 64.93 | 88.30 | 107.61 | 125.64 | 146.83 | 169.34 | 188.42 | 207.79 | 227.58 | 23.33 | 13.73 | 5.40 |
| 32 | 38.49 | 69.19 | 94.01 | 114.48 | 133.57 | 155.95 | 179.68 | 199.77 | 220.16 | 240.95 | 24.72 | 14.69 | 5.69 |
| 33 | 40.95 | 73.58 | 99.90 | 121.57 | 141.75 | 165.34 | 190.32 | 211.46 | 232.88 | 254.72 | 26.15 | 15.69 | 5.99 |
| 34 | 43.48 | 78.11 | 105.97 | 128.88 | 150.17 | 175.01 | 201.28 | 223.49 | 245.98 | 268.87 | 27.62 | 16.72 | 6.29 |
| 35 | 46.10 | 82.78 | 112.23 | 136.40 | 158.84 | 184.95 | 212.54 | 235.86 | 259.43 | 283.42 | 29.13 | 17.79 | 6.59 |
| 36 | 48.79 | 87.58 | 118.66 | 144.14 | 167.75 | 195.18 | 224.12 | 248.56 | 273.26 | 298.35 | 30.69 | 18.89 | 6.90 |
| 37 | 51.55 | 92.52 | 125.28 | 152.10 | 176.91 | 205.69 | 236.01 | 261.61 | 287.44 | 313.68 | 32.29 | 20.03 | 7.22 |
| 38 | 54.40 | 97.60 | 132.08 | 160.26 | 186.31 | 216.47 | 248.21 | 274.99 | 301.99 | 329.39 | 33.93 | 21.20 | 7.54 |
| 39 | 57.32 | 102.81 | 139.05 | 168.65 | 195.97 | 227.53 | 260.73 | 288.71 | 316.91 | 345.50 | 35.62 | 22.41 | 7.86 |
| 40 | 60.32 | 108.16 | 146.21 | 177.25 | 205.86 | 238.87 | 273.55 | 302.77 | 332.19 | 361.99 | 37.35 | 23.66 | 8.19 |

Scribner Dec. C bdfv volumes -Oak, Red- Sawtimber with top pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|--|-----|-----|-----|------|------|------|------|------|------|------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch bdfv* |
| 11 | 20 | 40 | 60 | 80 | 100 | 120 | 150 | 170 | 200 | 220 | 0 | 0 | 0 |
| 12 | 30 | 50 | 80 | 100 | 120 | 140 | 170 | 200 | 230 | 260 | 0 | 0 | 10 |
| 13 | 30 | 60 | 90 | 110 | 130 | 160 | 200 | 220 | 260 | 290 | 0 | 0 | 10 |
| 14 | 40 | 70 | 100 | 130 | 150 | 190 | 220 | 250 | 290 | 320 | 0 | 0 | 10 |
| 15 | 50 | 80 | 120 | 140 | 170 | 210 | 250 | 280 | 320 | 360 | 0 | 0 | 10 |
| 16 | 50 | 90 | 130 | 160 | 200 | 230 | 280 | 320 | 360 | 400 | 0 | 0 | 10 |
| 17 | 60 | 110 | 150 | 180 | 220 | 260 | 310 | 350 | 390 | 440 | 0 | 0 | 10 |
| 18 | 70 | 120 | 160 | 200 | 240 | 290 | 340 | 390 | 430 | 480 | 0 | 0 | 10 |
| 19 | 70 | 130 | 180 | 230 | 270 | 320 | 380 | 420 | 470 | 530 | 0 | 0 | 10 |
| 20 | 80 | 150 | 200 | 250 | 290 | 350 | 410 | 460 | 520 | 570 | 0 | 0 | 10 |
| 21 | 90 | 160 | 220 | 270 | 320 | 380 | 450 | 500 | 560 | 620 | 0 | 0 | 20 |
| 22 | 100 | 180 | 240 | 300 | 350 | 420 | 490 | 550 | 610 | 670 | 0 | 0 | 20 |
| 23 | 110 | 190 | 270 | 330 | 380 | 450 | 530 | 590 | 660 | 730 | 0 | 0 | 20 |
| 24 | 120 | 210 | 290 | 350 | 420 | 490 | 570 | 640 | 710 | 780 | 0 | 0 | 20 |
| 25 | 130 | 230 | 310 | 380 | 450 | 530 | 610 | 690 | 760 | 840 | 0 | 0 | 20 |
| 26 | 140 | 250 | 340 | 410 | 480 | 570 | 660 | 740 | 820 | 900 | 0 | 0 | 20 |
| 27 | 150 | 270 | 360 | 440 | 520 | 610 | 710 | 790 | 870 | 960 | 0 | 0 | 20 |
| 28 | 160 | 290 | 390 | 480 | 560 | 650 | 760 | 840 | 930 | 1020 | 0 | 0 | 20 |
| 29 | 170 | 310 | 420 | 510 | 600 | 700 | 810 | 900 | 990 | 1090 | 0 | 0 | 30 |
| 30 | 180 | 330 | 450 | 550 | 640 | 750 | 860 | 960 | 1060 | 1160 | 0 | 0 | 30 |
| 31 | 190 | 350 | 480 | 580 | 680 | 790 | 910 | 1020 | 1120 | 1230 | 0 | 0 | 30 |
| 32 | 210 | 370 | 510 | 620 | 720 | 840 | 970 | 1080 | 1190 | 1300 | 0 | 0 | 30 |
| 33 | 220 | 400 | 540 | 660 | 770 | 890 | 1030 | 1140 | 1260 | 1380 | 0 | 0 | 30 |
| 34 | 230 | 420 | 570 | 700 | 810 | 950 | 1090 | 1210 | 1330 | 1450 | 0 | 0 | 30 |
| 35 | 250 | 450 | 610 | 740 | 860 | 1000 | 1150 | 1270 | 1400 | 1530 | 0 | 0 | 40 |
| 36 | 260 | 470 | 640 | 780 | 910 | 1050 | 1210 | 1340 | 1480 | 1610 | 0 | 0 | 40 |
| 37 | 280 | 500 | 680 | 820 | 960 | 1110 | 1270 | 1410 | 1550 | 1690 | 0 | 0 | 40 |
| 38 | 290 | 530 | 710 | 870 | 1010 | 1170 | 1340 | 1480 | 1630 | 1780 | 0 | 0 | 40 |
| 39 | 310 | 560 | 750 | 910 | 1060 | 1230 | 1410 | 1560 | 1710 | 1870 | 0 | 0 | 40 |
| 40 | 330 | 580 | 790 | 960 | 1110 | 1290 | 1480 | 1630 | 1790 | 1950 | 0 | 0 | 40 |

Oak,white

Cubic foot volume inside bark -Oak, White- Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB+ | | | | | | | | | | | | branch wood |
|---------|--|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.88 | 1.38 | 2.16 | 3.00 | 3.96 | 5.04 | 6.28 | 7.67 | 9.24 | 11.00 | 12.96 | 15.14 | 0.00 |
| 6 | 1.27 | 2.00 | 2.95 | 3.96 | 5.09 | 6.38 | 7.83 | 9.46 | 11.29 | 13.33 | 15.58 | 18.08 | 0.08 |
| 7 | 1.74 | 2.74 | 3.88 | 5.08 | 6.43 | 7.94 | 9.63 | 11.52 | 13.63 | 15.96 | 18.53 | 21.36 | 0.27 |
| 8 | 2.27 | 3.59 | 4.96 | 6.38 | 7.95 | 9.71 | 11.66 | 13.84 | 16.24 | 18.90 | 21.81 | 25.00 | 0.47 |
| 9 | 2.87 | 4.56 | 6.18 | 7.84 | 9.67 | 11.69 | 13.94 | 16.42 | 19.15 | 22.14 | 25.42 | 28.99 | 0.66 |
| 10 | 3.55 | 5.64 | 7.55 | 9.47 | 11.57 | 13.89 | 16.45 | 19.26 | 22.33 | 25.69 | 29.35 | 33.33 | 0.86 |
| 11 | 4.30 | 6.85 | 9.06 | 11.27 | 13.67 | 16.31 | 19.20 | 22.36 | 25.80 | 29.55 | 33.62 | 38.02 | 1.05 |
| 12 | 5.12 | 8.17 | 10.71 | 13.24 | 15.97 | 18.94 | 22.18 | 25.72 | 29.56 | 33.72 | 38.21 | 43.06 | 1.25 |
| 13 | 6.01 | 9.61 | 12.51 | 15.38 | 18.45 | 21.79 | 25.41 | 29.34 | 33.59 | 38.19 | 43.14 | 48.46 | 1.45 |
| 14 | 6.97 | 11.16 | 14.46 | 17.69 | 21.13 | 24.85 | 28.88 | 33.23 | 37.92 | 42.96 | 48.39 | 54.20 | 1.64 |
| 15 | 8.00 | 12.84 | 16.55 | 20.16 | 24.00 | 28.13 | 32.58 | 37.37 | 42.52 | 48.05 | 53.97 | 60.30 | 1.84 |
| 16 | 9.11 | 14.63 | 18.78 | 22.81 | 27.06 | 31.62 | 36.52 | 41.78 | 47.41 | 53.44 | 59.88 | 66.74 | 2.03 |
| 17 | 10.29 | 16.54 | 21.17 | 25.62 | 30.32 | 35.34 | 40.70 | 46.45 | 52.59 | 59.14 | 66.12 | 73.54 | 2.23 |
| 18 | 11.54 | 18.57 | 23.69 | 28.61 | 33.77 | 39.26 | 45.12 | 51.38 | 58.04 | 65.14 | 72.69 | 80.69 | 2.42 |
| 19 | 12.86 | 20.72 | 26.36 | 31.77 | 37.41 | 43.41 | 49.79 | 56.57 | 63.79 | 71.45 | 79.58 | 88.20 | 2.62 |
| 20 | 14.25 | 22.98 | 29.18 | 35.09 | 41.25 | 47.77 | 54.68 | 62.03 | 69.82 | 78.07 | 86.81 | 96.05 | 2.82 |
| 21 | 15.72 | 25.36 | 32.15 | 38.59 | 45.28 | 52.34 | 59.82 | 67.75 | 76.13 | 85.00 | 94.37 | 104.26 | 3.01 |
| 22 | 17.26 | 27.87 | 35.26 | 42.25 | 49.50 | 57.14 | 65.20 | 73.73 | 82.73 | 92.23 | 102.26 | 112.82 | 3.21 |
| 23 | 18.87 | 30.49 | 38.51 | 46.09 | 53.92 | 62.15 | 70.82 | 79.97 | 89.61 | 99.78 | 110.48 | 121.74 | 3.40 |
| 24 | 20.55 | 33.22 | 41.91 | 50.10 | 58.53 | 67.38 | 76.68 | 86.47 | 96.78 | 107.63 | 119.03 | 131.00 | 3.60 |
| 25 | 22.30 | 36.08 | 45.46 | 54.27 | 63.34 | 72.82 | 82.78 | 93.24 | 104.24 | 115.78 | 127.91 | 140.62 | 3.79 |
| 26 | 24.13 | 39.06 | 49.16 | 58.62 | 68.34 | 78.49 | 89.12 | 100.28 | 111.98 | 124.25 | 137.12 | 150.59 | 3.99 |
| 27 | 26.03 | 42.15 | 53.00 | 63.14 | 73.53 | 84.37 | 95.70 | 107.57 | 120.01 | 133.03 | 146.66 | 160.92 | 4.19 |
| 28 | 28.00 | 45.37 | 56.99 | 67.83 | 78.92 | 90.46 | 102.52 | 115.13 | 128.32 | 142.11 | 156.53 | 171.60 | 4.38 |
| 29 | 30.04 | 48.70 | 61.12 | 72.69 | 84.50 | 96.78 | 109.58 | 122.95 | 136.92 | 151.50 | 166.74 | 182.63 | 4.58 |
| 30 | 32.15 | 52.15 | 65.40 | 77.72 | 90.28 | 103.31 | 116.88 | 131.04 | 145.80 | 161.21 | 177.27 | 194.02 | 4.77 |
| 31 | 34.34 | 55.72 | 69.83 | 82.92 | 96.25 | 110.06 | 124.43 | 139.39 | 154.97 | 171.22 | 188.14 | 205.76 | 4.97 |
| 32 | 36.59 | 59.41 | 74.40 | 88.29 | 102.42 | 117.03 | 132.21 | 148.00 | 164.43 | 181.54 | 199.34 | 217.86 | 5.16 |
| 33 | 38.92 | 63.22 | 79.12 | 93.83 | 108.78 | 124.22 | 140.23 | 156.88 | 174.18 | 192.17 | 210.87 | 230.31 | 5.36 |
| 34 | 41.33 | 67.15 | 83.99 | 99.55 | 115.33 | 131.62 | 148.50 | 166.02 | 184.21 | 203.11 | 222.73 | 243.12 | 5.56 |
| 35 | 43.80 | 71.19 | 89.00 | 105.44 | 122.08 | 139.24 | 157.01 | 175.42 | 194.53 | 214.35 | 234.93 | 256.27 | 5.75 |
| 36 | 46.35 | 75.36 | 94.16 | 111.49 | 129.03 | 147.08 | 165.75 | 185.09 | 205.13 | 225.91 | 247.46 | 269.79 | 5.95 |
| 37 | 48.97 | 79.65 | 99.47 | 117.72 | 136.17 | 155.14 | 174.74 | 195.02 | 216.03 | 237.78 | 260.32 | 283.66 | 6.14 |
| 38 | 51.66 | 84.05 | 104.92 | 124.12 | 143.50 | 163.42 | 183.97 | 205.22 | 227.21 | 249.96 | 273.51 | 297.88 | 6.34 |
| 39 | 54.42 | 88.57 | 110.53 | 130.69 | 151.03 | 171.92 | 193.45 | 215.68 | 238.67 | 262.44 | 287.03 | 312.46 | 6.53 |
| 40 | 57.26 | 93.22 | 116.27 | 137.44 | 158.76 | 180.63 | 203.16 | 226.41 | 250.43 | 275.24 | 300.89 | 327.39 | 6.73 |

Cord volume -Oak, White- Trees with pulpwood only

| DBH (") | Number of 100 " pulp sticks in the main stem to a 4.0 " DOB+ | | | | | | | | | | | | branch wood |
|---------|--|------|------|------|------|------|------|------|------|------|------|------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | branch pulp* |
| 5 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.06 | 0.08 | 0.10 | 0.12 | 0.14 | 0.16 | 0.19 | 0.00 |
| 6 | 0.02 | 0.03 | 0.04 | 0.05 | 0.06 | 0.08 | 0.10 | 0.12 | 0.14 | 0.17 | 0.20 | 0.23 | 0.00 |
| 7 | 0.02 | 0.03 | 0.05 | 0.06 | 0.08 | 0.10 | 0.12 | 0.15 | 0.17 | 0.20 | 0.23 | 0.27 | 0.00 |
| 8 | 0.03 | 0.05 | 0.06 | 0.08 | 0.10 | 0.12 | 0.15 | 0.18 | 0.21 | 0.24 | 0.28 | 0.32 | 0.01 |
| 9 | 0.04 | 0.06 | 0.08 | 0.10 | 0.12 | 0.15 | 0.18 | 0.21 | 0.24 | 0.28 | 0.32 | 0.37 | 0.01 |
| 10 | 0.04 | 0.07 | 0.10 | 0.12 | 0.15 | 0.18 | 0.21 | 0.24 | 0.28 | 0.33 | 0.37 | 0.42 | 0.01 |
| 11 | 0.05 | 0.09 | 0.11 | 0.14 | 0.17 | 0.21 | 0.24 | 0.28 | 0.33 | 0.37 | 0.43 | 0.48 | 0.01 |
| 12 | 0.06 | 0.10 | 0.14 | 0.17 | 0.20 | 0.24 | 0.28 | 0.33 | 0.37 | 0.43 | 0.48 | 0.55 | 0.02 |
| 13 | 0.08 | 0.12 | 0.16 | 0.19 | 0.23 | 0.28 | 0.32 | 0.37 | 0.43 | 0.48 | 0.55 | 0.61 | 0.02 |
| 14 | 0.09 | 0.14 | 0.18 | 0.22 | 0.27 | 0.31 | 0.37 | 0.42 | 0.48 | 0.54 | 0.61 | 0.69 | 0.02 |
| 15 | 0.10 | 0.16 | 0.21 | 0.26 | 0.30 | 0.36 | 0.41 | 0.47 | 0.54 | 0.61 | 0.68 | 0.76 | 0.02 |
| 16 | 0.12 | 0.19 | 0.24 | 0.29 | 0.34 | 0.40 | 0.46 | 0.53 | 0.60 | 0.68 | 0.76 | 0.84 | 0.03 |
| 17 | 0.13 | 0.21 | 0.27 | 0.32 | 0.38 | 0.45 | 0.52 | 0.59 | 0.67 | 0.75 | 0.84 | 0.93 | 0.03 |
| 18 | 0.15 | 0.24 | 0.30 | 0.36 | 0.43 | 0.50 | 0.57 | 0.65 | 0.73 | 0.82 | 0.92 | 1.02 | 0.03 |
| 19 | 0.16 | 0.26 | 0.33 | 0.40 | 0.47 | 0.55 | 0.63 | 0.72 | 0.81 | 0.90 | 1.01 | 1.12 | 0.03 |
| 20 | 0.18 | 0.29 | 0.37 | 0.44 | 0.52 | 0.60 | 0.69 | 0.79 | 0.88 | 0.99 | 1.10 | 1.22 | 0.04 |
| 21 | 0.20 | 0.32 | 0.41 | 0.49 | 0.57 | 0.66 | 0.76 | 0.86 | 0.96 | 1.08 | 1.19 | 1.32 | 0.04 |
| 22 | 0.22 | 0.35 | 0.45 | 0.53 | 0.63 | 0.72 | 0.83 | 0.93 | 1.05 | 1.17 | 1.29 | 1.43 | 0.04 |
| 23 | 0.24 | 0.39 | 0.49 | 0.58 | 0.68 | 0.79 | 0.90 | 1.01 | 1.13 | 1.26 | 1.40 | 1.54 | 0.04 |
| 24 | 0.26 | 0.42 | 0.53 | 0.63 | 0.74 | 0.85 | 0.97 | 1.09 | 1.23 | 1.36 | 1.51 | 1.66 | 0.05 |
| 25 | 0.28 | 0.46 | 0.58 | 0.69 | 0.80 | 0.92 | 1.05 | 1.18 | 1.32 | 1.47 | 1.62 | 1.78 | 0.05 |
| 26 | 0.31 | 0.49 | 0.62 | 0.74 | 0.87 | 0.99 | 1.13 | 1.27 | 1.42 | 1.57 | 1.74 | 1.91 | 0.05 |
| 27 | 0.33 | 0.53 | 0.67 | 0.80 | 0.93 | 1.07 | 1.21 | 1.36 | 1.52 | 1.68 | 1.86 | 2.04 | 0.05 |
| 28 | 0.35 | 0.57 | 0.72 | 0.86 | 1.00 | 1.15 | 1.30 | 1.46 | 1.62 | 1.80 | 1.98 | 2.17 | 0.06 |
| 29 | 0.38 | 0.62 | 0.77 | 0.92 | 1.07 | 1.23 | 1.39 | 1.56 | 1.73 | 1.92 | 2.11 | 2.31 | 0.06 |
| 30 | 0.41 | 0.66 | 0.83 | 0.98 | 1.14 | 1.31 | 1.48 | 1.66 | 1.85 | 2.04 | 2.24 | 2.46 | 0.06 |
| 31 | 0.43 | 0.71 | 0.88 | 1.05 | 1.22 | 1.39 | 1.58 | 1.76 | 1.96 | 2.17 | 2.38 | 2.60 | 0.06 |
| 32 | 0.46 | 0.75 | 0.94 | 1.12 | 1.30 | 1.48 | 1.67 | 1.87 | 2.08 | 2.30 | 2.52 | 2.76 | 0.07 |
| 33 | 0.49 | 0.80 | 1.00 | 1.19 | 1.38 | 1.57 | 1.78 | 1.99 | 2.21 | 2.43 | 2.67 | 2.92 | 0.07 |
| 34 | 0.52 | 0.85 | 1.06 | 1.26 | 1.46 | 1.67 | 1.88 | 2.10 | 2.33 | 2.57 | 2.82 | 3.08 | 0.07 |
| 35 | 0.55 | 0.90 | 1.13 | 1.33 | 1.55 | 1.76 | 1.99 | 2.22 | 2.46 | 2.71 | 2.97 | 3.24 | 0.07 |
| 36 | 0.59 | 0.95 | 1.19 | 1.41 | 1.63 | 1.86 | 2.10 | 2.34 | 2.60 | 2.86 | 3.13 | 3.42 | 0.08 |
| 37 | 0.62 | 1.01 | 1.26 | 1.49 | 1.72 | 1.96 | 2.21 | 2.47 | 2.73 | 3.01 | 3.30 | 3.59 | 0.08 |
| 38 | 0.65 | 1.06 | 1.33 | 1.57 | 1.82 | 2.07 | 2.33 | 2.60 | 2.88 | 3.16 | 3.46 | 3.77 | 0.08 |
| 39 | 0.69 | 1.12 | 1.40 | 1.65 | 1.91 | 2.18 | 2.45 | 2.73 | 3.02 | 3.32 | 3.63 | 3.96 | 0.08 |
| 40 | 0.72 | 1.18 | 1.47 | 1.74 | 2.01 | 2.29 | 2.57 | 2.87 | 3.17 | 3.48 | 3.81 | 4.14 | 0.09 |

Cubic foot volume inside bark -Oak, White- Sawtimber trees with topwood pulp and merchantable branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------|--------------|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch saw* |
| 11 | 4.34 | 7.99 | 11.54 | 14.86 | 18.31 | 22.92 | 28.21 | 32.90 | 37.95 | 43.38 | 4.48 | 1.51 | 0.90 |
| 12 | 5.17 | 9.48 | 13.58 | 17.35 | 21.24 | 26.37 | 32.23 | 37.41 | 42.94 | 48.88 | 4.99 | 1.82 | 1.05 |
| 13 | 6.07 | 11.09 | 15.78 | 20.04 | 24.39 | 30.08 | 36.54 | 42.22 | 48.27 | 54.74 | 5.54 | 2.16 | 1.21 |
| 14 | 7.04 | 12.84 | 18.15 | 22.94 | 27.78 | 34.06 | 41.15 | 47.35 | 53.94 | 60.96 | 6.12 | 2.53 | 1.38 |
| 15 | 8.09 | 14.71 | 20.70 | 26.04 | 31.39 | 38.29 | 46.04 | 52.80 | 59.95 | 67.54 | 6.75 | 2.92 | 1.55 |
| 16 | 9.21 | 16.72 | 23.41 | 29.33 | 35.24 | 42.78 | 51.22 | 58.55 | 66.30 | 74.49 | 7.42 | 3.35 | 1.74 |
| 17 | 10.41 | 18.85 | 26.30 | 32.83 | 39.31 | 47.53 | 56.69 | 64.63 | 72.98 | 81.79 | 8.12 | 3.82 | 1.94 |
| 18 | 11.68 | 21.11 | 29.35 | 36.54 | 43.62 | 52.55 | 62.45 | 71.02 | 80.01 | 89.47 | 8.87 | 4.31 | 2.14 |
| 19 | 13.02 | 23.50 | 32.58 | 40.44 | 48.15 | 57.82 | 68.50 | 77.73 | 87.37 | 97.50 | 9.65 | 4.84 | 2.35 |
| 20 | 14.44 | 26.02 | 35.97 | 44.55 | 52.92 | 63.35 | 74.85 | 84.75 | 95.08 | 105.90 | 10.47 | 5.39 | 2.57 |
| 21 | 15.93 | 28.67 | 39.54 | 48.86 | 57.92 | 69.15 | 81.48 | 92.08 | 103.12 | 114.66 | 11.34 | 5.98 | 2.79 |
| 22 | 17.49 | 31.45 | 43.28 | 53.38 | 63.15 | 75.21 | 88.41 | 99.74 | 111.51 | 123.78 | 12.24 | 6.61 | 3.03 |
| 23 | 19.13 | 34.36 | 47.19 | 58.09 | 68.60 | 81.52 | 95.63 | 107.71 | 120.23 | 133.27 | 13.18 | 7.26 | 3.27 |
| 24 | 20.84 | 37.40 | 51.26 | 63.01 | 74.30 | 88.10 | 103.13 | 115.99 | 129.30 | 143.12 | 14.16 | 7.95 | 3.51 |
| 25 | 22.62 | 40.57 | 55.52 | 68.14 | 80.22 | 94.94 | 110.93 | 124.59 | 138.70 | 153.34 | 15.18 | 8.68 | 3.76 |
| 26 | 24.48 | 43.87 | 59.94 | 73.46 | 86.37 | 102.04 | 119.02 | 133.51 | 148.45 | 163.91 | 16.24 | 9.43 | 4.02 |
| 27 | 26.41 | 47.30 | 64.53 | 78.99 | 92.75 | 109.41 | 127.41 | 142.75 | 158.54 | 174.86 | 17.34 | 10.22 | 4.29 |
| 28 | 28.42 | 50.86 | 69.29 | 84.73 | 99.37 | 117.03 | 136.08 | 152.30 | 168.96 | 186.17 | 18.48 | 11.05 | 4.56 |
| 29 | 30.50 | 54.55 | 74.23 | 90.66 | 106.22 | 124.92 | 145.05 | 162.17 | 179.73 | 197.84 | 19.66 | 11.91 | 4.83 |
| 30 | 32.65 | 58.37 | 79.34 | 96.80 | 113.30 | 133.07 | 154.31 | 172.36 | 190.84 | 209.88 | 20.88 | 12.80 | 5.11 |
| 31 | 34.88 | 62.32 | 84.62 | 103.15 | 120.61 | 141.48 | 163.86 | 182.86 | 202.29 | 222.28 | 22.14 | 13.73 | 5.40 |
| 32 | 37.18 | 66.41 | 90.07 | 109.69 | 128.15 | 150.15 | 173.71 | 193.68 | 214.09 | 235.05 | 23.44 | 14.69 | 5.69 |
| 33 | 39.56 | 70.62 | 95.69 | 116.44 | 135.93 | 159.09 | 183.84 | 204.82 | 226.22 | 248.18 | 24.78 | 15.69 | 5.99 |
| 34 | 42.01 | 74.96 | 101.48 | 123.40 | 143.94 | 168.28 | 194.27 | 216.27 | 238.70 | 261.68 | 26.15 | 16.72 | 6.29 |
| 35 | 44.53 | 79.43 | 107.45 | 130.56 | 152.18 | 177.74 | 204.99 | 228.05 | 251.52 | 275.54 | 27.57 | 17.79 | 6.59 |
| 36 | 47.13 | 84.03 | 113.58 | 137.92 | 160.65 | 187.47 | 216.01 | 240.14 | 264.68 | 289.77 | 29.03 | 18.89 | 6.90 |
| 37 | 49.80 | 88.77 | 119.89 | 145.49 | 169.35 | 197.45 | 227.31 | 252.55 | 278.18 | 304.37 | 30.52 | 20.03 | 7.22 |
| 38 | 52.55 | 93.63 | 126.37 | 153.26 | 178.29 | 207.70 | 238.91 | 265.27 | 292.02 | 319.33 | 32.06 | 21.20 | 7.54 |
| 39 | 55.37 | 98.62 | 133.03 | 161.24 | 187.46 | 218.21 | 250.81 | 278.32 | 306.21 | 334.66 | 33.64 | 22.41 | 7.86 |
| 40 | 58.27 | 103.75 | 139.85 | 169.42 | 196.86 | 228.98 | 263.00 | 291.68 | 320.74 | 350.35 | 35.25 | 23.66 | 8.19 |

Scribner Dec. C bdfv volumes -Oak, White- Sawtimber with top pulp and merch branches

| DBH(") | Number of 100 " saw sticks in the main stem to a 10 " DOB† | | | | | | | | | | upper stem | branch wood | |
|--------|--|-----|-----|-----|------|------|------|------|------|------|------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | stem pulp* | branch pulp* | branch bdfv* |
| 11 | 20 | 40 | 60 | 80 | 100 | 120 | 150 | 180 | 200 | 230 | 0 | 0 | 0 |
| 12 | 30 | 50 | 70 | 90 | 110 | 140 | 170 | 200 | 230 | 260 | 0 | 0 | 10 |
| 13 | 30 | 60 | 90 | 110 | 130 | 160 | 200 | 230 | 260 | 300 | 0 | 0 | 10 |
| 14 | 40 | 70 | 100 | 120 | 150 | 180 | 220 | 260 | 290 | 330 | 0 | 0 | 10 |
| 15 | 40 | 80 | 110 | 140 | 170 | 210 | 250 | 290 | 320 | 360 | 0 | 0 | 10 |
| 16 | 50 | 90 | 130 | 160 | 190 | 230 | 280 | 320 | 360 | 400 | 0 | 0 | 10 |
| 17 | 60 | 100 | 140 | 180 | 210 | 260 | 310 | 350 | 390 | 440 | 0 | 0 | 10 |
| 18 | 60 | 110 | 160 | 200 | 240 | 280 | 340 | 380 | 430 | 480 | 0 | 0 | 10 |
| 19 | 70 | 130 | 180 | 220 | 260 | 310 | 370 | 420 | 470 | 530 | 0 | 0 | 10 |
| 20 | 80 | 140 | 190 | 240 | 290 | 340 | 400 | 460 | 510 | 570 | 0 | 0 | 10 |
| 21 | 90 | 150 | 210 | 260 | 310 | 370 | 440 | 500 | 560 | 620 | 0 | 0 | 20 |
| 22 | 90 | 170 | 230 | 290 | 340 | 410 | 480 | 540 | 600 | 670 | 0 | 0 | 20 |
| 23 | 100 | 190 | 250 | 310 | 370 | 440 | 520 | 580 | 650 | 720 | 0 | 0 | 20 |
| 24 | 110 | 200 | 280 | 340 | 400 | 480 | 560 | 630 | 700 | 770 | 0 | 0 | 20 |
| 25 | 120 | 220 | 300 | 370 | 430 | 510 | 600 | 670 | 750 | 830 | 0 | 0 | 20 |
| 26 | 130 | 240 | 320 | 400 | 470 | 550 | 640 | 720 | 800 | 890 | 0 | 0 | 20 |
| 27 | 140 | 260 | 350 | 430 | 500 | 590 | 690 | 770 | 860 | 940 | 0 | 0 | 20 |
| 28 | 150 | 270 | 370 | 460 | 540 | 630 | 730 | 820 | 910 | 1010 | 0 | 0 | 20 |
| 29 | 160 | 290 | 400 | 490 | 570 | 670 | 780 | 880 | 970 | 1070 | 0 | 0 | 30 |
| 30 | 180 | 320 | 430 | 520 | 610 | 720 | 830 | 930 | 1030 | 1130 | 0 | 0 | 30 |
| 31 | 190 | 340 | 460 | 560 | 650 | 760 | 880 | 990 | 1090 | 1200 | 0 | 0 | 30 |
| 32 | 200 | 360 | 490 | 590 | 690 | 810 | 940 | 1050 | 1160 | 1270 | 0 | 0 | 30 |
| 33 | 210 | 380 | 520 | 630 | 730 | 860 | 990 | 1110 | 1220 | 1340 | 0 | 0 | 30 |
| 34 | 230 | 400 | 550 | 670 | 780 | 910 | 1050 | 1170 | 1290 | 1410 | 0 | 0 | 30 |
| 35 | 240 | 430 | 580 | 710 | 820 | 960 | 1110 | 1230 | 1360 | 1490 | 0 | 0 | 40 |
| 36 | 250 | 450 | 610 | 740 | 870 | 1010 | 1170 | 1300 | 1430 | 1560 | 0 | 0 | 40 |
| 37 | 270 | 480 | 650 | 790 | 910 | 1070 | 1230 | 1360 | 1500 | 1640 | 0 | 0 | 40 |
| 38 | 280 | 510 | 680 | 830 | 960 | 1120 | 1290 | 1430 | 1580 | 1720 | 0 | 0 | 40 |
| 39 | 300 | 530 | 720 | 870 | 1010 | 1180 | 1350 | 1500 | 1650 | 1810 | 0 | 0 | 40 |
| 40 | 310 | 560 | 760 | 910 | 1060 | 1240 | 1420 | 1580 | 1730 | 1890 | 0 | 0 | 40 |