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STEPHEN F. AUSTIN STATE UNIVERSITY

Nacogdoches, Texas

TREE-VOLUME TARIFF ACCESS TABLES FOR SOUTHERN PINES¹

by

Donald F. Smith and Harry V. Wiant, Jr.²

Two problems often face the forester involved in timber cruising:

1. What volume tables should I use for the species and area to be cruised?
2. How can I minimize the need for time-consuming and often inaccurate height measurements?

The tariff system developed by Turnbull et al. (1963) may solve these problems. It provides local volume tables, relating volume to diameter measurements alone, and may be used for many conifer and hardwood species. These volume tables are indexed by tariff number, which is defined as the total cubic foot volume from the stump to a 4-inch top (inside bark) for a tree of 1.0 square foot of basal area.

The *Comprehensive Tree-Volume Tariff Tables* by Turnbull et al. (1963) give local volume tables, indexed by tariff number, with the following information:

1. Tree volume in cubic-foot units, inside bark, for total tree and to 4-, 6-, and 8-inch tops.
2. Tree volume in board-foot units (Scribner and International $\frac{1}{4}$ " to 6- and 8-inch tops.
3. Growth multipliers that correspond with each unit of measure and each top diameter.
4. Tree-volume/basal-area ratios for each unit of measure and each top diameter.
5. Percentage relations between volumes for differing top diameters.
6. Board-foot/cubic-foot ratios.

Figure 1 reproduces the plate presented by Turnbull and Hoyer (1965) to illustrate this system. An access table is required to select the tariff table applicable to a given stand.

¹Based on a thesis presented by the senior author to the faculty of the Graduate School of Stephen F. Austin State University in partial fulfillment of the requirements for the M.S.F. degree.

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Plate 1

SPECIMEN OF COMPREHENSIVE TREE VOLUME TARIFF TABLE

and

HEIGHT - DBH ACCESS TABLE FOR DOUGLAS FIR

Procedure for Use

DBH	TOTAL HEIGHT (FEET)							
	60	62	64	66	68	70	72	74
12.2	22.2	23.1	21.9	24.8	25.7	26.6	27.4	28.
12.4	22.0	22.9	21.7	24.6	25.5	26.4	27.2	28.
12.6	21.8	22.7	21.6	24.4	25.3	26.1	27.0	27.
12.8	21.6	22.5	21.4	24.2	25.1	25.9	26.8	27.
13.0	21.5	22.3	23.2	24.0	24.9	25.7	26.6	27.
13.2	21.3	22.1	23.0	23.8	24.7	25.6	26.4	27.
13.4	21.1	22.0	22.8	23.7	24.5	25.4	26.2	27.
13.6	20.9	21.8	22.6	23.5	24.3	25.2	26.0	27.
13.8	20.8	21.6	22.5	23.3	24.2	25.0	25.9	27.
14.0	20.6	21.4	22.3	23.1	24.0	24.8	25.7	27.
14.2	20.4	21.3	22.1	23.0	23.8	24.7	25.5	27.
14.4	20.3	21.1	22.0	22.8	23.6	24.5	25.3	27.
14.6	20.1	21.0	21.8	22.6	23.5	24.3	25.2	27.
14.8	20.0	20.8	21.7	22.5	23.3	24.2	25.0	27.
15.0	19.8	20.7	21.5	22.3	23.2	24.0	24.9	27.
15.2	19.7	20.5	21.4	22.2	23.0	23.9	24.7	27.
15.4	19.6	20.4	21.2	22.0	22.9	23.7	24.5	27.
15.6	19.4	20.2	21.1	21.9	22.7	23.5	24.3	27.
15.8	19.3	20.1	20.9	21.8	22.6	23.4	24.2	27.
16.0	19.1	20.0	20.8	21.6	22.4	23.2	24.0	27.
16.2	19.0	19.8	20.7	21.5	22.3	23.1	23.9	27.
16.4	18.9	19.7	20.6	21.4	22.2	23.0	23.8	27.

1. Measure height and DBH of selected sample trees in the stand. Look up tarif # of sample trees in Height DBH Access Table for the species: e.g.,

HEIGHT	DBH	SAMPLE TREE TARIFF # (from access table)
60	12.2	22.2
68	14.3	--
etc.		--
	Mean =	24.5

2. Average the sample tree tarif numbers. (example, 24.5) This "mean tarif" applies to the stand.
3. Look up page in tarif book for tarif table 24.5 (in this example). This "local volume table" provides choice for the stand in cubic or board feet to various merchantable top limits. Use appropriate figures for stand volume calculation. Volume/basal area ratios are available for use in Bitterlich estimation of stand volume.

TARIF NUMBER 24.5

DBH IN.	TOTAL TREE VOLUME				VOLUME TO 4 INCH TOP				VOLUME TO 6 INCH TOP				VOLUME TO 8 INCH TOP							
	INCL. TOP AND STUMP CU. FEET		INCL. TOP ONLY CU. FEET		CUBIC FEET		CUBIC FEET		BD FEET SCRIBNER		BD FEET INTER 1/4		CUBIC FEET		BD FEET SCRIBNER		BD FEET INTER 1/4			
	VOL A	GM A	VOL B	GM B	VOL C	GM C	VOL D	GM D	VOL E	GM E	VOL F	GM F	VOL G	GM G	VOL H	GM H	VOL I	GM I		
2	0.3	0.2	0.2	0.2	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
3	0.7	0.7	0.6	0.6	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
4	1.5	1.0	1.4	1.0	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
5	2.6	1.4	2.5	1.3	1.4	1.5	*	*	*	*	*	*	*	*	*	*	*	*		
6	4.1	1.7	4.0	1.8	3.0	1.8	*	*	*	*	*	*	*	*	*	*	*	*		
7	5.9	2.0	5.7	2.0	4.9	2.1	1.9	2.2	6	7.2	9	10.7	*	*	*	*	*	*		
8	8.1	2.4	7.8	2.3	7.1	2.4	4.3	2.8	14	9.8	21	13.9	*	*	*	*	*	*		
9	10.5	2.7	10.2	2.6	9.6	2.7	7.2	3.1	25	11.9	36	16.2	1.5	3.9	4	17.0	7	23.1		
10	13.3	3.0	12.9	2.9	12.3	3.0	10.5	3.4	38	13.7	53	18.0	5.5	4.2	22	19.2	32	25.0		
11	16.4	3.3	15.9	3.2	15.4	3.3	13.9	3.6	53	15.4	72	19.5	9.8	4.4	42	19.7	58	24.8		
12	19.9	3.6	19.2	3.5	18.8	3.6	17.6	3.8	69	16.9	92	20.8	14.2	4.5	61	19.9	83	24.3		
13	23.6	4.0	22.9	3.8	22.4	3.9	21.5	4.1	86	18.4	113	22.0	18.8	4.7	82	20.3	107	24.2		
14	27.7	4.3	26.8	4.1	26.4	4.1	25.6	4.3	106	19.9	136	23.2	23.4	4.8	102	21.0	132	24.4		
15	32.1	4.6	31.0	4.4	30.6	4.4	30.0	4.5	126	21.4	160	24.4	28.2	4.9	124	22.0	157	25.0		
DBH	V/BA RATIO	V/BA RATIO	% OF VOL A	V/BA RATIO	% OF VOL B	V/BA RATIO	% OF VOL C	V/BA RATIO	% OF VOL D	B/CU RATIO	V/BA RATIO	H/CU RATIO	V/BA RATIO	% OF VOL D	V/BA RATIO	B/CU RATIO	% OF VOL E	V/BA RATIO	H/CU RATIO	% OF VOL F
2	9.3		8.3	89.0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	12.5		11.6	92.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	16.3		15.4	94.4	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	19.0		18.1	95.3	9.7	51.0	*	*	*	*	*	*	*	*	*	*	*	*	*	*
6	20.7		19.9	96.1	14.9	71.9	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7	22.0		21.2	96.4	18.1	82.1	6.8	37.7	21.1	3.1	32.0	4.7	*	*	*	*	*	*	*	*
8	23.0		22.2	96.6	20.1	87.6	12.3	61.1	40.6	3.3	59.9	4.9	*	*	*	*	*	*	*	*
9	23.7		23.0	96.7	21.5	90.7	16.3	75.6	56.8	3.5	81.5	5.0	3.4	20.6	8.9	2.6	15.6	16.3	4.9	20.0
10	24.3		23.6	96.7	22.5	92.6	19.1	84.6	69.6	3.6	97.5	5.1	10.0	52.6	40.8	4.1	58.6	59.2	5.9	60.7
11	24.8		24.0	96.8	23.3	93.8	21.0	90.2	79.6	3.8	109.0	5.2	14.8	70.2	63.2	4.3	79.5	87.7	5.9	80.4
12	25.2		24.4	96.8	23.9	94.5	22.3	93.7	87.4	3.9	117.2	5.2	18.0	80.7	78.3	4.3	89.5	105.5	5.9	90.0
13	25.6		24.7	96.8	24.3	95.0	23.3	95.8	93.7	4.0	123.1	5.3	20.3	87.2	88.5	4.4	94.4	116.5	5.7	94.6
14	25.9		25.0	96.8	24.7	95.4	23.9	97.1	98.7	4.1	127.3	5.3	21.9	91.3	95.5	4.4	96.8	123.3	5.6	96.9
15	26.1		25.2	96.8	24.9	95.6	24.4	98.0	102.8	4.2	130.3	5.3	23.0	94.0	100.7	4.4	97.9	127.6	5.6	98.0

Figure 1. Format of Access Table and Tree-Volume Tarif Table, with Procedure for Use (from Turnbull and Hoyer, 1965).

An Access Table for Southern Pines

Tarif access tables, giving tarif numbers for southern pines by dbh, total height, and form class (Girard form classes 67, 72, 77, 82, and 87), were developed from volume equations published by Merrifield and Foil (1967). These access tables are attached.

Field tests of the system showed the following:

1. Three hundred and twenty slash pine trees were felled and sectioned in 8-foot segments in a 20-year-old plantation. Volumes determined by Smalian's formula and the tarif system did not differ significantly.
2. Cruises in sawtimber and pulpwood-size stands and individual tree-volume determinations have given comparable results to those obtained from other volume estimations.

It is anticipated that others will want to test the system, and that accumulated experience will provide for more meaningful evaluation.

How to Use the System

To use this system, which lends itself to either computerized or desk calculation, the forester needs:

1. The form-class tarif access tables included in this paper.
2. *Comprehensive Tree-Volume Tarif Tables*, which may be ordered from Commissioner of Public Lands, Box 168, Olympia, Washington 98501 (cost approximately \$3).

During plot, strip, or point sample cruising, select 20 to 30 sample trees of each species and age class represented in the stand. (Or better, determine by statistical techniques the number of sample trees necessary to give a desired confidence in the average tarif number, or mean tree volume — they vary the same percentage-wise.) Sample trees should be selected with a probability of their appearance in the sample proportional to basal area (Berry and Wiant, 1967). For example, the sample tree may be the first tree clockwise from north that falls within a variable plot defined by any convenient prism or similar point-sampling tool.

Dbh (nearest 0.1 inch), total height (nearest 2 feet), and the Girard form class are recorded for each sample tree. Corresponding tarif numbers are then obtained from the form-class tarif access tables and averaged; the local volume table indexed by the average tarif number in *Comprehensive Tree-Volume Tarif Tables* is used for volume determinations.

Literature Cited

- Berry, W. S., and H. V. Wiant, Jr. 1967. Sampling for tarif number and volume determination in tanoak stands. *J. Forest.* 65: 650-651.
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- Turnbull, K. J., and G. E. Hoyer. 1965. Construction and analysis of comprehensive tree-volume tarif tables. State of Washington, Dep. of Natur. Resources, Resource Manage. Rep. 8.
- Turnbull, K. J., G. R. Little, and G. E. Hoyer. 1963. Comprehensive tree-volume tarif tables. State of Washington, Dep. of Natur. Resources.

TARIF ACCESS TABLE – SOUTHERN PINES, FORM CLASS 67

Tarif Number by Tree Diameter and Height

Diameter Breast Height (inches)	Total Tree Height (feet)									
	20	22	24	26	28	30	32	34	36	38
6.0	15.8	16.3	16.8	17.3	17.9	18.4	18.9	19.4	20.0	20.5
6.5	14.5	15.0	15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1
7.0	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.1
7.5	13.0	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4
8.0	12.4	12.9	13.4	13.8	14.3	14.8	15.3	15.8	16.3	16.8
8.5	11.9	12.4	12.9	13.4	13.8	14.3	14.8	15.3	15.8	16.2
9.0	11.5	12.0	12.5	12.9	13.4	13.9	14.4	14.9	15.3	15.8
9.5	11.1	11.6	12.1	12.6	13.1	13.5	14.0	14.5	15.0	15.4
10.0	10.8	11.3	11.8	12.3	12.7	13.2	13.7	14.2	14.6	15.1
10.5	10.6	11.0	11.5	12.0	12.4	12.9	13.4	13.9	14.3	14.8
11.0	10.3	10.8	11.2	11.7	12.2	12.7	13.1	13.6	14.1	14.5
11.5	10.1	10.5	11.0	11.5	12.0	12.4	12.9	13.4	13.8	14.3
12.0		10.3	10.8	11.3	11.7	12.2	12.7	13.1	13.6	14.1
12.5		10.1	10.6	11.1	11.5	12.0	12.5	12.9	13.4	13.9
13.0			10.4	10.9	11.4	11.8	12.3	12.8	13.2	13.7
13.5			10.3	10.7	11.2	11.7	12.1	12.6	13.1	13.5
14.0			10.1	10.6	11.0	11.5	12.0	12.4	12.9	13.4
14.5				10.4	10.9	11.4	11.8	12.3	12.8	13.2
15.0				10.3	10.8	11.2	11.7	12.2	12.6	13.1
15.5				10.2	10.6	11.1	11.6	12.0	12.5	13.0
16.0				10.0	10.5	11.0	11.4	11.9	12.4	12.8
16.5					10.4	10.9	11.3	11.8	12.3	12.7
17.0					10.3	10.8	11.2	11.7	12.1	12.6
17.5					10.2	10.7	11.1	11.6	12.0	12.5
18.0					10.1	10.6	11.0	11.5	11.9	12.4
18.5					10.0	10.5	10.9	11.4	11.9	12.3
19.0						10.4	10.8	11.3	11.8	12.2
19.5						10.3	10.8	11.2	11.7	12.2
20.0						10.2	10.7	11.1	11.6	12.1
20.5						10.1	10.6	11.1	11.5	12.0
21.0						10.1	10.5	11.0	11.5	11.9
21.5						10.0	10.5	10.9	11.4	11.9
22.0							10.4	10.9	11.3	11.8
22.5							10.3	10.8	11.3	11.7
23.0							10.3	10.7	11.2	11.7
23.5							10.2	10.7	11.1	11.6
24.0							10.2	10.6	11.1	11.6
24.5							10.1	10.6	11.0	11.5
25.0							10.1	10.5	11.0	11.4
25.5							10.0	10.5	10.9	11.4
26.0								10.4	10.9	11.4
26.5								10.4	10.8	11.3
27.0								10.3	10.8	11.3
27.5								10.3	10.8	11.2
28.0								10.3	10.7	11.2
28.5								10.2	10.7	11.1
29.0								10.2	10.6	11.1
29.5								10.1	10.6	11.1
30.0								10.1	10.6	11.0

TARIF ACCESS TABLE – SOUTHERN PINES, FORM CLASS 67

Tarif Number by Tree Diameter and Height

Diameter Breast Height (inches)	Total Tree Height (feet)									
	40	42	44	46	48	50	52	54	56	58
6.0	21.0	21.5	22.1	22.6	23.1	23.6	24.2	24.7	25.2	25.7
6.5	19.6	20.1	20.6	21.2	21.7	22.2	22.7	23.2	23.7	24.2
7.0	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1
7.5	17.9	18.4	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3
8.0	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.6	21.1	21.6
8.5	16.7	17.2	17.7	18.2	18.7	19.1	19.6	20.1	20.6	21.1
9.0	16.3	16.8	17.2	17.7	18.2	18.7	19.2	19.6	20.1	20.6
9.5	15.9	16.4	16.9	17.3	17.8	18.3	18.8	19.2	19.7	20.2
10.0	15.6	16.1	16.5	17.0	17.5	17.9	18.4	18.9	19.4	19.8
10.5	15.3	15.8	16.2	16.7	17.2	17.6	18.1	18.6	19.1	19.5
11.0	15.0	15.5	16.0	16.4	16.9	17.4	17.8	18.3	18.8	19.3
11.5	14.8	15.2	15.7	16.2	16.7	17.1	17.6	18.1	18.5	19.0
12.0	14.6	15.0	15.5	16.0	16.4	16.9	17.4	17.8	18.3	18.8
12.5	14.4	14.8	15.3	15.8	16.2	16.7	17.2	17.6	18.1	18.6
13.0	14.2	14.6	15.1	15.6	16.0	16.5	17.0	17.4	17.9	18.4
13.5	14.0	14.5	14.9	15.4	15.9	16.3	16.8	17.3	17.7	18.2
14.0	13.8	14.3	14.8	15.2	15.7	16.2	16.6	17.1	17.6	18.0
14.5	13.7	14.2	14.6	15.1	15.5	16.0	16.5	16.9	17.4	17.9
15.0	13.5	14.0	14.5	14.9	15.4	15.9	16.3	16.8	17.3	17.7
15.5	13.4	13.9	14.3	14.8	15.3	15.7	16.2	16.7	17.1	17.6
16.0	13.3	13.8	14.2	14.7	15.2	15.6	16.1	16.5	17.0	17.5
16.5	13.2	13.6	14.1	14.6	15.0	15.5	16.0	16.4	16.9	17.4
17.0	13.1	13.5	14.0	14.5	14.9	15.4	15.9	16.3	16.8	17.2
17.5	13.0	13.4	13.9	14.4	14.8	15.3	15.7	16.2	16.7	17.1
18.0	12.9	13.3	13.8	14.3	14.7	15.2	15.7	16.1	16.6	17.0
18.5	12.8	13.2	13.7	14.2	14.6	15.1	15.6	16.0	16.5	16.9
19.0	12.7	13.2	13.6	14.1	14.5	15.0	15.5	15.9	16.4	16.9
19.5	12.6	13.1	13.5	14.0	14.5	14.9	15.4	15.8	16.3	16.8
20.0	12.5	13.0	13.5	13.9	14.4	14.8	15.3	15.8	16.2	16.7
20.5	12.5	12.9	13.4	13.8	14.3	14.8	15.2	15.7	16.2	16.6
21.0	12.4	12.8	13.3	13.8	14.2	14.7	15.2	15.6	16.1	16.5
21.5	12.3	12.8	13.2	13.7	14.2	14.6	15.1	15.5	16.0	16.5
22.0	12.3	12.7	13.2	13.6	14.1	14.6	15.0	15.5	15.9	16.4
22.5	12.2	12.7	13.1	13.6	14.0	14.5	15.0	15.4	15.9	16.3
23.0	12.1	12.6	13.1	13.5	14.0	14.4	14.9	15.4	15.8	16.3
23.5	12.1	12.5	13.0	13.5	13.9	14.4	14.8	15.3	15.8	16.2
24.0	12.0	12.5	12.9	13.4	13.9	14.3	14.8	15.2	15.7	16.2
24.5	12.0	12.4	12.9	13.3	13.8	14.3	14.7	15.2	15.6	16.1
25.0	11.9	12.4	12.8	13.3	13.8	14.2	14.7	15.1	15.6	16.1
25.5	11.9	12.3	12.8	13.2	13.7	14.2	14.6	15.1	15.5	16.0
26.0	11.8	12.3	12.7	13.2	13.7	14.1	14.6	15.0	15.5	16.0
26.5	11.8	12.2	12.7	13.1	13.6	14.1	14.5	15.0	15.4	15.9
27.0	11.7	12.2	12.6	13.1	13.6	14.0	14.5	14.9	15.4	15.9
27.5	11.7	12.1	12.6	13.1	13.5	14.0	14.4	14.9	15.4	15.8
28.0	11.6	12.1	12.6	13.0	13.5	13.9	14.4	14.9	15.3	15.8
28.5	11.6	12.1	12.5	13.0	13.4	13.9	14.4	14.8	15.3	15.7
29.0	11.6	12.0	12.5	12.9	13.4	13.9	14.3	14.8	15.2	15.7
29.5	11.5	12.0	12.4	12.9	13.4	13.8	14.3	14.7	15.2	15.7
30.0	11.5	11.9	12.4	12.9	13.3	13.8	14.2	14.7	15.2	15.6

TARIF ACCESS TABLE — SOUTHERN PINES, FORM CLASS 67

Tarif Number by Tree Diameter and Height

Diameter Breast Height (inches)	Total Tree Height (feet)									
	60	62	64	66	68	70	72	74	76	78
6.0	26.3	26.8	27.3	27.8	28.3	28.9	29.4	29.9	30.4	31.0
6.5	24.7	25.2	25.7	26.2	26.7	27.3	27.8	28.3	28.8	29.3
7.0	23.6	24.1	24.6	25.1	25.6	26.1	26.6	27.1	27.6	28.1
7.5	22.8	23.3	23.8	24.2	24.7	25.2	25.7	26.2	26.7	27.2
8.0	22.1	22.6	23.1	23.6	24.0	24.5	25.0	25.5	26.0	26.5
8.5	21.5	22.0	22.5	23.0	23.5	24.0	24.4	24.9	25.4	25.9
9.0	21.1	21.6	22.0	22.5	23.0	23.5	24.0	24.4	24.9	25.4
9.5	20.7	21.1	21.6	22.1	22.6	23.1	23.5	24.0	24.5	25.0
10.0	20.3	20.8	21.3	21.7	22.2	22.7	23.2	23.6	24.1	24.6
10.5	20.0	20.5	20.9	21.4	21.9	22.4	22.8	23.3	23.8	24.3
11.0	19.7	20.2	20.7	21.1	21.6	22.1	22.5	23.0	23.5	24.0
11.5	19.5	19.9	20.4	20.9	21.3	21.8	22.3	22.8	23.2	23.7
12.0	19.2	19.7	20.2	20.6	21.1	21.6	22.1	22.5	23.0	23.5
12.5	19.0	19.5	20.0	20.4	20.9	21.4	21.8	22.3	22.8	23.2
13.0	18.8	19.3	19.8	20.2	20.7	21.2	21.6	22.1	22.6	23.0
13.5	18.7	19.1	19.6	20.1	20.5	21.0	21.5	21.9	22.4	22.9
14.0	18.5	19.0	19.4	19.9	20.4	20.8	21.3	21.8	22.2	22.7
14.5	18.3	18.8	19.3	19.7	20.2	20.7	21.1	21.6	22.1	22.5
15.0	18.2	18.7	19.1	19.6	20.1	20.5	21.0	21.4	21.9	22.4
15.5	18.1	18.5	19.0	19.5	19.9	20.4	20.8	21.3	21.8	22.2
16.0	17.9	18.4	18.9	19.3	19.8	20.3	20.7	21.2	21.6	22.1
16.5	17.8	18.3	18.7	19.2	19.7	20.1	20.6	21.1	21.5	22.0
17.0	17.7	18.2	18.6	19.1	19.6	20.0	20.5	21.0	21.4	21.9
17.5	17.6	18.1	18.5	19.0	19.5	19.9	20.4	20.8	21.3	21.8
18.0	17.5	18.0	18.4	18.9	19.4	19.8	20.3	20.7	21.2	21.7
18.5	17.4	17.9	18.3	18.8	19.3	19.7	20.2	20.6	21.1	21.6
19.0	17.3	17.8	18.2	18.7	19.2	19.6	20.1	20.6	21.0	21.5
19.5	17.2	17.7	18.2	18.6	19.1	19.5	20.0	20.5	20.9	21.4
20.0	17.2	17.6	18.1	18.5	19.0	19.5	19.9	20.4	20.8	21.3
20.5	17.1	17.5	18.0	18.5	18.9	19.4	19.8	20.3	20.8	21.2
21.0	17.0	17.5	17.9	18.4	18.8	19.3	19.8	20.2	20.7	21.2
21.5	16.9	17.4	17.9	18.3	18.8	19.2	19.7	20.2	20.6	21.1
22.0	16.9	17.3	17.8	18.2	18.7	19.2	19.6	20.1	20.6	21.0
22.5	16.8	17.3	17.7	18.2	18.6	19.1	19.6	20.0	20.5	21.0
23.0	16.7	17.2	17.7	18.1	18.6	19.0	19.5	20.0	20.4	20.9
23.5	16.7	17.1	17.6	18.1	18.5	19.0	19.4	19.9	20.4	20.8
24.0	16.6	17.1	17.5	18.0	18.5	18.9	19.4	19.8	20.3	20.8
24.5	16.6	17.0	17.5	18.0	18.4	18.9	19.3	19.8	20.3	20.7
25.0	16.5	17.0	17.4	17.9	18.4	18.8	19.3	19.7	20.2	20.7
25.5	16.5	16.9	17.4	17.8	18.3	18.8	19.2	19.7	20.2	20.6
26.0	16.4	16.9	17.3	17.8	18.3	18.7	19.2	19.6	20.1	20.6
26.5	16.4	16.8	17.3	17.8	18.2	18.7	19.1	19.6	20.1	20.5
27.0	16.3	16.8	17.2	17.7	18.2	18.6	19.1	19.5	20.0	20.5
27.5	16.3	16.7	17.2	17.7	18.1	18.6	19.0	19.5	20.0	20.4
28.0	16.2	16.7	17.2	17.6	18.1	18.5	19.0	19.5	19.9	20.4
28.5	16.2	16.7	17.1	17.6	18.0	18.5	19.0	19.4	19.9	20.3
29.0	16.2	16.6	17.1	17.5	18.0	18.5	18.9	19.4	19.8	20.3
29.5	16.1	16.6	17.0	17.5	18.0	18.4	18.9	19.3	19.8	20.3
30.0	16.1	16.5	17.0	17.5	17.9	18.4	18.8	19.3	19.8	20.2

TARIF ACCESS TABLE – SOUTHERN PINES, FORM CLASS 67

Tarif Number by Tree Diameter and Height

Diameter Breast Height (inches)	Total Tree Height (feet)									
	80	82	84	86	88	90	92	94	96	98
6.0	31.5	32.0	32.5	33.1	33.6	34.1	34.6	35.2	35.7	36.2
6.5	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.4	33.9	34.4
7.0	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1
7.5	27.7	28.2	28.7	29.2	29.6	30.1	30.6	31.1	31.6	32.1
8.0	27.0	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.8	31.3
8.5	26.4	26.8	27.3	27.8	28.3	28.8	29.3	29.7	30.2	30.7
9.0	25.9	26.3	26.8	27.3	27.8	28.3	28.7	29.2	29.7	30.2
9.5	25.4	25.9	26.4	26.9	27.3	27.8	28.3	28.8	29.2	29.7
10.0	25.1	25.5	26.0	26.5	27.0	27.4	27.9	28.4	28.9	29.3
10.5	24.7	25.2	25.7	26.1	26.6	27.1	27.6	28.0	28.5	29.0
11.0	24.4	24.9	25.4	25.8	26.3	26.8	27.3	27.7	28.2	28.7
11.5	24.2	24.6	25.1	25.6	26.0	26.5	27.0	27.5	27.9	28.4
12.0	23.9	24.4	24.9	25.3	25.8	26.3	26.7	27.2	27.7	28.1
12.5	23.7	24.2	24.6	25.1	25.6	26.0	26.5	27.0	27.5	27.9
13.0	23.5	24.0	24.4	24.9	25.4	25.8	26.3	26.8	27.2	27.7
13.5	23.3	23.8	24.3	24.7	25.2	25.7	26.1	26.6	27.1	27.5
14.0	23.2	23.6	24.1	24.5	25.0	25.5	25.9	26.4	26.9	27.3
14.5	23.0	23.5	23.9	24.4	24.9	25.3	25.8	26.2	26.7	27.2
15.0	22.8	23.3	23.8	24.2	24.7	25.2	25.6	26.1	26.6	27.0
15.5	22.7	23.2	23.6	24.1	24.6	25.0	25.5	26.0	26.4	26.9
16.0	22.6	23.0	23.5	24.0	24.4	24.9	25.4	25.8	26.3	26.8
16.5	22.5	22.9	23.4	23.8	24.3	24.8	25.2	25.7	26.2	26.6
17.0	22.3	22.8	23.3	23.7	24.2	24.7	25.1	25.6	26.0	26.5
17.5	22.2	22.7	23.2	23.6	24.1	24.5	25.0	25.5	25.9	26.4
18.0	22.1	22.6	23.1	23.5	24.0	24.4	24.9	25.4	25.8	26.3
18.5	22.0	22.5	23.0	23.4	23.9	24.3	24.8	25.3	25.7	26.2
19.0	21.9	22.4	22.9	23.3	23.8	24.3	24.7	25.2	25.6	26.1
19.5	21.9	22.3	22.8	23.2	23.7	24.2	24.6	25.1	25.6	26.0
20.0	21.8	22.2	22.7	23.2	23.6	24.1	24.5	25.0	25.5	25.9
20.5	21.7	22.2	22.6	23.1	23.5	24.0	24.5	24.9	25.4	25.9
21.0	21.6	22.1	22.5	23.0	23.5	23.9	24.4	24.9	25.3	25.8
21.5	21.5	22.0	22.5	22.9	23.4	23.9	24.3	24.8	25.2	25.7
22.0	21.5	21.9	22.4	22.9	23.3	23.8	24.2	24.7	25.2	25.6
22.5	21.4	21.9	22.3	22.8	23.3	23.7	24.2	24.6	25.1	25.6
23.0	21.4	21.8	22.3	22.7	23.2	23.7	24.1	24.6	25.0	25.5
23.5	21.3	21.8	22.2	22.7	23.1	23.6	24.1	24.5	25.0	25.4
24.0	21.2	21.7	22.2	22.6	23.1	23.5	24.0	24.5	24.9	25.4
24.5	21.2	21.6	22.1	22.6	23.0	23.5	23.9	24.4	24.9	25.3
25.0	21.1	21.6	22.0	22.5	23.0	23.4	23.9	24.3	24.8	25.3
25.5	21.1	21.5	22.0	22.5	22.9	23.4	23.8	24.3	24.8	25.2
26.0	21.0	21.5	21.9	22.4	22.9	23.3	23.8	24.2	24.7	25.2
26.5	21.0	21.4	21.9	22.4	22.8	23.3	23.7	24.2	24.7	25.1
27.0	20.9	21.4	21.8	22.3	22.8	23.2	23.7	24.2	24.6	25.1
27.5	20.9	21.3	21.8	22.3	22.7	23.2	23.6	24.1	24.6	25.0
28.0	20.8	21.3	21.8	22.2	22.7	23.1	23.6	24.1	24.5	25.0
28.5	20.8	21.3	21.7	22.2	22.6	23.1	23.6	24.0	24.5	24.9
29.0	20.8	21.2	21.7	22.1	22.6	23.1	23.5	24.0	24.4	24.9
29.5	20.7	21.2	21.6	22.1	22.6	23.0	23.5	23.9	24.4	24.9
30.0	20.7	21.1	21.6	22.1	22.5	23.0	23.4	23.9	24.4	24.8

TARIF ACCESS TABLE – SOUTHERN PINES, FORM CLASS 67

Tarif Number by Tree Diameter and Height

Diameter Breast Height (inches)	Total Tree Height (feet)				
	100	102	104	106	108
6.0	36.7	37.3	37.8	38.3	38.8
6.5	34.9	35.4	35.9	36.4	36.9
7.0	33.6	34.1	34.6	35.1	35.6
7.5	32.6	33.1	33.6	34.1	34.6
8.0	31.8	32.3	32.8	33.3	33.8
8.5	31.2	31.7	32.1	32.6	33.1
9.0	30.7	31.1	31.6	32.1	32.6
9.5	30.2	30.7	31.1	31.6	32.1
10.0	29.8	30.3	30.7	31.2	31.7
10.5	29.5	29.9	30.4	30.9	31.3
11.0	29.1	29.6	30.1	30.6	31.0
11.5	28.9	29.3	29.8	30.3	30.7
12.0	28.6	29.1	29.6	30.0	30.5
12.5	28.4	28.9	29.3	29.8	30.3
13.0	28.2	28.6	29.1	29.6	30.0
13.5	28.0	28.5	28.9	29.4	29.9
14.0	27.8	28.3	28.7	29.2	29.7
14.5	27.6	28.1	28.6	29.0	29.5
15.0	27.5	28.0	28.4	28.9	29.4
15.5	27.3	27.8	28.3	28.7	29.2
16.0	27.2	27.7	28.1	28.6	29.1
16.5	27.1	27.6	28.0	28.5	28.9
17.0	27.0	27.4	27.9	28.4	28.8
17.5	26.9	27.3	27.8	28.3	28.7
18.0	26.8	27.2	27.7	28.1	28.6
18.5	26.7	27.1	27.6	28.0	28.5
19.0	26.6	27.0	27.5	28.0	28.4
19.5	26.5	26.9	27.4	27.9	28.3
20.0	26.4	26.9	27.3	27.8	28.2
20.5	26.3	26.8	27.2	27.7	28.2
21.0	26.2	26.7	27.2	27.6	28.1
21.5	26.2	26.6	27.1	27.5	28.0
22.0	26.1	26.6	27.0	27.5	27.9
22.5	26.0	26.5	26.9	27.4	27.9
23.0	26.0	26.4	26.9	27.3	27.8
23.5	25.9	26.4	26.8	27.3	27.7
24.0	25.8	26.3	26.8	27.2	27.7
24.5	25.8	26.2	26.7	27.2	27.6
25.0	25.7	26.2	26.7	27.1	27.6
25.5	25.7	26.1	26.6	27.1	27.5
26.0	25.6	26.1	26.5	27.0	27.5
26.5	25.6	26.0	26.5	27.0	27.4
27.0	25.5	26.0	26.5	26.9	27.4
27.5	25.5	25.9	26.4	26.9	27.3
28.0	25.4	25.9	26.4	26.8	27.3
28.5	25.4	25.9	26.3	26.8	27.2
29.0	25.4	25.8	26.3	26.7	27.2
29.5	25.3	25.8	26.2	26.7	27.2
30.0	25.3	25.7	26.2	26.7	27.1

TARIF ACCESS TABLE – SOUTHERN PINES, FORM CLASS 72

Tarif Number by Tree Diameter and Height

Diameter Breast Height (inches)	Total Tree Height (feet)									
	20	22	24	26	28	30	32	34	36	38
6.0	18.0	18.6	19.1	19.7	20.3	20.9	21.5	22.0	22.6	23.2
6.5	16.5	17.1	17.7	18.2	18.8	19.4	19.9	20.5	21.1	21.6
7.0	15.5	16.0	16.6	17.1	17.7	18.3	18.8	19.4	20.0	20.5
7.5	14.6	15.2	15.8	16.3	16.9	17.4	18.0	18.6	19.1	19.7
8.0	14.0	14.5	15.1	15.7	16.2	16.8	17.3	17.9	18.4	19.0
8.5	13.4	14.0	14.6	15.1	15.7	16.2	16.8	17.3	17.9	18.4
9.0	13.0	13.5	14.1	14.6	15.2	15.7	16.3	16.8	17.4	17.9
9.5	12.6	13.1	13.7	14.2	14.8	15.3	15.9	16.4	17.0	17.5
10.0	12.2	12.8	13.3	13.9	14.4	15.0	15.5	16.0	16.6	17.1
10.5	11.9	12.5	13.0	13.5	14.1	14.6	15.2	15.7	16.3	16.8
11.0	11.6	12.2	12.7	13.3	13.8	14.3	14.9	15.4	16.0	16.5
11.5	11.4	11.9	12.5	13.0	13.5	14.1	14.6	15.2	15.7	16.3
12.0	11.1	11.7	12.2	12.8	13.3	13.8	14.4	14.9	15.5	16.0
12.5	10.9	11.5	12.0	12.5	13.1	13.6	14.2	14.7	15.3	15.8
13.0	10.7	11.3	11.8	12.3	12.9	13.4	14.0	14.5	15.0	15.6
13.5	10.5	11.1	11.6	12.2	12.7	13.2	13.8	14.3	14.9	15.4
14.0	10.4	10.9	11.4	12.0	12.5	13.1	13.6	14.1	14.7	15.2
14.5	10.2	10.7	11.3	11.8	12.4	12.9	13.4	14.0	14.5	15.1
15.0	10.1	10.6	11.1	11.7	12.2	12.8	13.3	13.8	14.4	14.9
15.5		10.5	11.0	11.5	12.1	12.6	13.2	13.7	14.2	14.8
16.0		10.3	10.9	11.4	11.9	12.5	13.0	13.6	14.1	14.6
16.5		10.2	10.7	11.3	11.8	12.4	12.9	13.4	14.0	14.5
17.0		10.1	10.6	11.2	11.7	12.2	12.8	13.3	13.9	14.4
17.5			10.5	11.1	11.6	12.1	12.7	13.2	13.7	14.3
18.0			10.4	11.0	11.5	12.0	12.6	13.1	13.6	14.2
18.5			10.3	10.9	11.4	11.9	12.5	13.0	13.5	14.1
19.0			10.2	10.8	11.3	11.8	12.4	12.9	13.5	14.0
19.5			10.1	10.7	11.2	11.7	12.3	12.8	13.4	13.9
20.0			10.0	10.6	11.1	11.7	12.2	12.7	13.3	13.8
20.5				10.5	11.0	11.6	12.1	12.7	13.2	13.7
21.0				10.4	11.0	11.5	12.0	12.6	13.1	13.7
21.5				10.4	10.9	11.4	12.0	12.5	13.0	13.6
22.0				10.3	10.8	11.4	11.9	12.4	13.0	13.5
22.5				10.2	10.8	11.3	11.8	12.4	12.9	13.4
23.0				10.1	10.7	11.2	11.8	12.3	12.8	13.4
23.5				10.1	10.6	11.2	11.7	12.2	12.8	13.3
24.0				10.0	10.6	11.1	11.6	12.2	12.7	13.2
24.5					10.5	11.0	11.6	12.1	12.7	13.2
25.0					10.5	11.0	11.5	12.1	12.6	13.1
25.5					10.4	10.9	11.5	12.0	12.5	13.1
26.0					10.3	10.9	11.4	12.0	12.5	13.0
26.5					10.3	10.8	11.4	11.9	12.4	13.0
27.0					10.2	10.8	11.3	11.9	12.4	12.9
27.5					10.2	10.7	11.3	11.8	12.3	12.9
28.0					10.2	10.7	11.2	11.8	12.3	12.8
28.5					10.1	10.6	11.2	11.7	12.3	12.8
29.0					10.1	10.6	11.2	11.7	12.2	12.8
29.5					10.0	10.6	11.1	11.6	12.2	12.7
30.0						10.5	11.1	11.6	12.1	12.7

TARIF ACCESS TABLE – SOUTHERN PINES, FORM CLASS 72

Tarif Number by Tree Diameter and Height

Diameter Breast Height (inches)	Total Tree Height (feet)									
	40	42	44	46	48	50	52	54	56	58
6.0	23.8	24.4	24.9	25.5	26.1	26.7	27.3	27.8	28.4	29.0
6.5	22.2	22.8	23.4	23.9	24.5	25.1	25.6	26.2	26.8	27.3
7.0	21.1	21.7	22.2	22.8	23.3	23.9	24.5	25.0	25.6	26.2
7.5	20.2	20.8	21.3	21.9	22.5	23.0	23.6	24.1	24.7	25.2
8.0	19.5	20.1	20.6	21.2	21.8	22.3	22.9	23.4	24.0	24.5
8.5	19.0	19.5	20.1	20.6	21.2	21.7	22.3	22.8	23.4	23.9
9.0	18.5	19.0	19.6	20.1	20.7	21.2	21.8	22.3	22.9	23.4
9.5	18.1	18.6	19.2	19.7	20.2	20.8	21.3	21.9	22.4	23.0
10.0	17.7	18.2	18.8	19.3	19.9	20.4	21.0	21.5	22.1	22.6
10.5	17.4	17.9	18.4	19.0	19.5	20.1	20.6	21.2	21.7	22.3
11.0	17.1	17.6	18.2	18.7	19.2	19.8	20.3	20.9	21.4	22.0
11.5	16.8	17.3	17.9	18.4	19.0	19.5	20.1	20.6	21.1	21.7
12.0	16.6	17.1	17.6	18.2	18.7	19.3	19.8	20.4	20.9	21.4
12.5	16.3	16.9	17.4	18.0	18.5	19.0	19.6	20.1	20.7	21.2
13.0	16.1	16.7	17.2	17.8	18.3	18.8	19.4	19.9	20.5	21.0
13.5	15.9	16.5	17.0	17.6	18.1	18.6	19.2	19.7	20.3	20.8
14.0	15.8	16.3	16.9	17.4	17.9	18.5	19.0	19.6	20.1	20.6
14.5	15.6	16.1	16.7	17.2	17.8	18.3	18.8	19.4	19.9	20.5
15.0	15.5	16.0	16.5	17.1	17.6	18.2	18.7	19.2	19.8	20.3
15.5	15.3	15.9	16.4	16.9	17.5	18.0	18.6	19.1	19.6	20.2
16.0	15.2	15.7	16.3	16.8	17.3	17.9	18.4	19.0	19.5	20.0
16.5	15.1	15.6	16.1	16.7	17.2	17.8	18.3	18.8	19.4	19.9
17.0	14.9	15.5	16.0	16.6	17.1	17.6	18.2	18.7	19.2	19.8
17.5	14.8	15.4	15.9	16.4	17.0	17.5	18.1	18.6	19.1	19.7
18.0	14.7	15.3	15.8	16.3	16.9	17.4	18.0	18.5	19.0	19.6
18.5	14.6	15.2	15.7	16.2	16.8	17.3	17.9	18.4	18.9	19.5
19.0	14.5	15.1	15.6	16.1	16.7	17.2	17.8	18.3	18.8	19.4
19.5	14.4	15.0	15.5	16.1	16.6	17.1	17.7	18.2	18.7	19.3
20.0	14.4	14.9	15.4	16.0	16.5	17.0	17.6	18.1	18.7	19.2
20.5	14.3	14.8	15.3	15.9	16.4	17.0	17.5	18.0	18.6	19.1
21.0	14.2	14.7	15.3	15.8	16.3	16.9	17.4	18.0	18.5	19.0
21.5	14.1	14.7	15.2	15.7	16.3	16.8	17.3	17.9	18.4	19.0
22.0	14.0	14.6	15.1	15.7	16.2	16.7	17.3	17.8	18.3	18.9
22.5	14.0	14.5	15.1	15.6	16.1	16.7	17.2	17.7	18.3	18.8
23.0	13.9	14.4	15.0	15.5	16.1	16.6	17.1	17.7	18.2	18.7
23.5	13.8	14.4	14.9	15.5	16.0	16.5	17.1	17.6	18.1	18.7
24.0	13.8	14.3	14.9	15.4	15.9	16.5	17.0	17.5	18.1	18.6
24.5	13.7	14.3	14.8	15.3	15.9	16.4	17.0	17.5	18.0	18.6
25.0	13.7	14.2	14.7	15.3	15.8	16.4	16.9	17.4	18.0	18.5
25.5	13.6	14.2	14.7	15.2	15.8	16.3	16.8	17.4	17.9	18.5
26.0	13.6	14.1	14.6	15.2	15.7	16.3	16.8	17.3	17.9	18.4
26.5	13.5	14.1	14.6	15.1	15.7	16.2	16.7	17.3	17.8	18.3
27.0	13.5	14.0	14.5	15.1	15.6	16.2	16.7	17.2	17.8	18.3
27.5	13.4	14.0	14.5	15.0	15.6	16.1	16.6	17.2	17.7	18.3
28.0	13.4	13.9	14.4	15.0	15.5	16.1	16.6	17.1	17.7	18.2
28.5	13.3	13.9	14.4	14.9	15.5	16.0	16.6	17.1	17.6	18.2
29.0	13.3	13.8	14.4	14.9	15.4	16.0	16.5	17.0	17.6	18.1
29.5	13.2	13.8	14.3	14.9	15.4	15.9	16.5	17.0	17.5	18.1
30.0	13.2	13.7	14.3	14.8	15.4	15.9	16.4	17.0	17.5	18.0

TARIF ACCESS TABLE – SOUTHERN PINES, FORM CLASS 72

Tarif Number by Tree Diameter and Height

Diameter Breast Height (inches)	Total Tree Height (feet)									
	60	62	64	66	68	70	72	74	76	78
6.0	29.6	30.2	30.7	31.3	31.9	32.5	33.1	33.6	34.2	34.8
6.5	27.9	28.5	29.1	29.6	30.2	30.8	31.3	31.9	32.5	33.0
7.0	26.7	27.3	27.8	28.4	29.0	29.5	30.1	30.7	31.2	31.8
7.5	25.8	26.4	26.9	27.5	28.0	28.6	29.2	29.7	30.3	30.8
8.0	25.1	25.6	26.2	26.7	27.3	27.9	28.4	29.0	29.5	30.1
8.5	24.5	25.0	25.6	26.1	26.7	27.2	27.8	28.3	28.9	29.4
9.0	24.0	24.5	25.1	25.6	26.2	26.7	27.3	27.8	28.4	28.9
9.5	23.5	24.1	24.6	25.2	25.7	26.3	26.8	27.4	27.9	28.5
10.0	23.1	23.7	24.2	24.8	25.3	25.9	26.4	27.0	27.5	28.1
10.5	22.8	23.4	23.9	24.4	25.0	25.5	26.1	26.6	27.2	27.7
11.0	22.5	23.1	23.6	24.1	24.7	25.2	25.8	26.3	26.9	27.4
11.5	22.2	22.8	23.3	23.9	24.4	24.9	25.5	26.0	26.6	27.1
12.0	22.0	22.5	23.1	23.6	24.2	24.7	25.2	25.8	26.3	26.9
12.5	21.8	22.3	22.8	23.4	23.9	24.5	25.0	25.5	26.1	26.6
13.0	21.5	22.1	22.6	23.2	23.7	24.3	24.8	25.3	25.9	26.4
13.5	21.4	21.9	22.4	23.0	23.5	24.1	24.6	25.1	25.7	26.2
14.0	21.2	21.7	22.3	22.8	23.3	23.9	24.4	25.0	25.5	26.0
14.5	21.0	21.5	22.1	22.6	23.2	23.7	24.3	24.8	25.3	25.9
15.0	20.9	21.4	21.9	22.5	23.0	23.6	24.1	24.6	25.2	25.7
15.5	20.7	21.2	21.8	22.3	22.9	23.4	23.9	24.5	25.0	25.6
16.0	20.6	21.1	21.7	22.2	22.7	23.3	23.8	24.3	24.9	25.4
16.5	20.4	21.0	21.5	22.1	22.6	23.1	23.7	24.2	24.8	25.3
17.0	20.3	20.9	21.4	21.9	22.5	23.0	23.6	24.1	24.6	25.2
17.5	20.2	20.8	21.3	21.8	22.4	22.9	23.4	24.0	24.5	25.1
18.0	20.1	20.6	21.2	21.7	22.3	22.8	23.3	23.9	24.4	25.0
18.5	20.0	20.5	21.1	21.6	22.2	22.7	23.2	23.8	24.3	24.8
19.0	19.9	20.4	21.0	21.5	22.1	22.6	23.1	23.7	24.2	24.8
19.5	19.8	20.4	20.9	21.4	22.0	22.5	23.0	23.6	24.1	24.7
20.0	19.7	20.3	20.8	21.3	21.9	22.4	23.0	23.5	24.0	24.6
20.5	19.6	20.2	20.7	21.3	21.8	22.3	22.9	23.4	23.9	24.5
21.0	19.6	20.1	20.6	21.2	21.7	22.3	22.8	23.3	23.9	24.4
21.5	19.5	20.0	20.6	21.1	21.6	22.2	22.7	23.3	23.8	24.3
22.0	19.4	20.0	20.5	21.0	21.6	22.1	22.6	23.2	23.7	24.3
22.5	19.3	19.9	20.4	21.0	21.5	22.0	22.6	23.1	23.6	24.2
23.0	19.3	19.8	20.4	20.9	21.4	22.0	22.5	23.0	23.6	24.1
23.5	19.2	19.8	20.3	20.8	21.4	21.9	22.4	23.0	23.5	24.1
24.0	19.2	19.7	20.2	20.8	21.3	21.8	22.4	22.9	23.5	24.0
24.5	19.1	19.6	20.2	20.7	21.2	21.8	22.3	22.9	23.4	23.9
25.0	19.0	19.6	20.1	20.7	21.2	21.7	22.3	22.8	23.3	23.9
25.5	19.0	19.5	20.1	20.6	21.1	21.7	22.2	22.7	23.3	23.8
26.0	18.9	19.5	20.0	20.5	21.1	21.6	22.2	22.7	23.2	23.8
26.5	18.9	19.4	20.0	20.5	21.0	21.6	22.1	22.6	23.2	23.7
27.0	18.8	19.4	19.9	20.4	21.0	21.5	22.1	22.6	23.1	23.7
27.5	18.8	19.3	19.9	20.4	20.9	21.5	22.0	22.5	23.1	23.6
28.0	18.7	19.3	19.8	20.4	20.9	21.4	22.0	22.5	23.0	23.6
28.5	18.7	19.2	19.8	20.3	20.8	21.4	21.9	22.5	23.0	23.5
29.0	18.7	19.2	19.7	20.3	20.8	21.3	21.9	22.4	22.9	23.5
29.5	18.6	19.2	19.7	20.2	20.8	21.3	21.8	22.4	22.9	23.4
30.0	18.6	19.1	19.6	20.2	20.7	21.3	21.8	22.3	22.9	23.4

TARIF ACCESS TABLE – SOUTHERN PINES, FORM CLASS 72

Tarif Number by Tree Diameter and Height

Diameter Breast Height (inches)	Total Tree Height (feet)									
	80	82	84	86	88	90	92	94	96	98
6.0	35.4	36.0	36.6	37.1	37.7	38.3	38.9	39.5	40.0	40.6
6.5	33.6	34.2	34.8	35.3	35.9	36.5	37.0	37.6	38.2	38.7
7.0	32.3	32.9	33.5	34.0	34.6	35.2	35.7	36.3	36.9	37.4
7.5	31.4	31.9	32.5	33.1	33.6	34.2	34.7	35.3	35.9	36.4
8.0	30.6	31.2	31.7	32.3	32.8	33.4	33.9	34.5	35.1	35.6
8.5	30.0	30.5	31.1	31.7	32.2	32.8	33.3	33.9	34.4	35.0
9.0	29.5	30.0	30.6	31.1	31.7	32.2	32.8	33.3	33.9	34.4
9.5	29.0	29.6	30.1	30.7	31.2	31.7	32.3	32.8	33.4	33.9
10.0	28.6	29.2	29.7	30.3	30.8	31.3	31.9	32.4	33.0	33.5
10.5	28.3	28.8	29.4	29.9	30.4	31.0	31.5	32.1	32.6	33.2
11.0	27.9	28.5	29.0	29.6	30.1	30.7	31.2	31.8	32.3	32.8
11.5	27.7	28.2	28.8	29.3	29.8	30.4	30.9	31.5	32.0	32.6
12.0	27.4	28.0	28.5	29.0	29.6	30.1	30.7	31.2	31.7	32.3
12.5	27.2	27.7	28.3	28.8	29.3	29.9	30.4	31.0	31.5	32.1
13.0	27.0	27.5	28.0	28.6	29.1	29.7	30.2	30.8	31.3	31.8
13.5	26.8	27.3	27.8	28.4	28.9	29.5	30.0	30.5	31.1	31.6
14.0	26.6	27.1	27.7	28.2	28.7	29.3	29.8	30.4	30.9	31.4
14.5	26.4	27.0	27.5	28.0	28.6	29.1	29.7	30.2	30.7	31.3
15.0	26.3	26.8	27.3	27.9	28.4	29.0	29.5	30.0	30.6	31.1
15.5	26.1	26.6	27.2	27.7	28.3	28.8	29.3	29.9	30.4	31.0
16.0	26.0	26.5	27.0	27.6	28.1	28.7	29.2	29.7	30.3	30.8
16.5	25.8	26.4	26.9	27.5	28.0	28.5	29.1	29.6	30.1	30.7
17.0	25.7	26.3	26.8	27.3	27.9	28.4	28.9	29.5	30.0	30.6
17.5	25.6	26.1	26.7	27.2	27.8	28.3	28.8	29.4	29.9	30.4
18.0	25.5	26.0	26.6	27.1	27.6	28.2	28.7	29.3	29.8	30.3
18.5	25.4	25.9	26.5	27.0	27.5	28.1	28.6	29.2	29.7	30.2
19.0	25.3	25.8	26.4	26.9	27.4	28.0	28.5	29.1	29.6	30.1
19.5	25.2	25.7	26.3	26.8	27.3	27.9	28.4	29.0	29.5	30.0
20.0	25.1	25.6	26.2	26.7	27.3	27.8	28.3	28.9	29.4	29.9
20.5	25.0	25.6	26.1	26.6	27.2	27.7	28.2	28.8	29.3	29.9
21.0	24.9	25.5	26.0	26.6	27.1	27.6	28.2	28.7	29.2	29.8
21.5	24.9	25.4	25.9	26.5	27.0	27.6	28.1	28.6	29.2	29.7
22.0	24.8	25.3	25.9	26.4	26.9	27.5	28.0	28.6	29.1	29.6
22.5	24.7	25.3	25.8	26.3	26.9	27.4	27.9	28.5	29.0	29.6
23.0	24.7	25.2	25.7	26.3	26.8	27.3	27.9	28.4	29.0	29.5
23.5	24.6	25.1	25.7	26.2	26.7	27.3	27.8	28.4	28.9	29.4
24.0	24.5	25.1	25.6	26.1	26.7	27.2	27.8	28.3	28.8	29.4
24.5	24.5	25.0	25.5	26.1	26.6	27.2	27.7	28.2	28.8	29.3
25.0	24.4	24.9	25.5	26.0	26.6	27.1	27.6	28.2	28.7	29.2
25.5	24.4	24.9	25.4	26.0	26.5	27.0	27.6	28.1	28.7	29.2
26.0	24.3	24.8	25.4	25.9	26.5	27.0	27.5	28.1	28.6	29.1
26.5	24.3	24.8	25.3	25.9	26.4	26.9	27.5	28.0	28.5	29.1
27.0	24.2	24.7	25.3	25.8	26.4	26.9	27.4	28.0	28.5	29.0
27.5	24.2	24.7	25.2	25.8	26.3	26.8	27.4	27.9	28.4	29.0
28.0	24.1	24.6	25.2	25.7	26.3	26.8	27.3	27.9	28.4	28.9
28.5	24.1	24.6	25.1	25.7	26.2	26.7	27.3	27.8	28.4	28.9
29.0	24.0	24.6	25.1	25.6	26.2	26.7	27.2	27.8	28.3	28.9
29.5	24.0	24.5	25.1	25.6	26.1	26.7	27.2	27.7	28.3	28.8
30.0	23.9	24.5	25.0	25.6	26.1	26.6	27.2	27.7	28.2	28.8

TARIF ACCESS TABLE – SOUTHERN PINES, FORM CLASS 72

Tarif Number by Tree Diameter and Height

Diameter Breast Height (inches)	Total Tree Height (feet)				
	100	102	104	106	108
6.0	41.2	41.8	42.4	42.9	43.5
6.5	39.3	39.9	40.4	41.0	41.6
7.0	38.0	38.5	39.1	39.7	40.2
7.5	37.0	37.5	38.1	38.6	39.2
8.0	36.2	36.7	37.3	37.8	38.4
8.5	35.5	36.1	36.6	37.2	37.7
9.0	35.0	35.5	36.1	36.6	37.2
9.5	34.5	35.0	35.6	36.1	36.7
10.0	34.1	34.6	35.2	35.7	36.3
10.5	33.7	34.3	34.8	35.3	35.9
11.0	33.4	33.9	34.5	35.0	35.6
11.5	33.1	33.6	34.2	34.7	35.3
12.0	32.8	33.4	33.9	34.5	35.0
12.5	32.6	33.1	33.7	34.2	34.8
13.0	32.4	32.9	33.5	34.0	34.5
13.5	32.2	32.7	33.3	33.8	34.3
14.0	32.0	32.5	33.1	33.6	34.1
14.5	31.8	32.4	32.9	33.4	34.0
15.0	31.7	32.2	32.7	33.3	33.8
15.5	31.5	32.0	32.6	33.1	33.7
16.0	31.4	31.9	32.4	33.0	33.5
16.5	31.2	31.8	32.3	32.8	33.4
17.0	31.1	31.6	32.2	32.7	33.3
17.5	31.0	31.5	32.1	32.6	33.1
18.0	30.9	31.4	32.0	32.5	33.0
18.5	30.8	31.3	31.8	32.4	32.9
19.0	30.7	31.2	31.7	32.3	32.8
19.5	30.6	31.1	31.7	32.2	32.7
20.0	30.5	31.0	31.6	32.1	32.6
20.5	30.4	30.9	31.5	32.0	32.6
21.0	30.3	30.9	31.4	31.9	32.5
21.5	30.2	30.8	31.3	31.9	32.4
22.0	30.2	30.7	31.2	31.8	32.3
22.5	30.1	30.6	31.2	31.7	32.2
23.0	30.0	30.6	31.1	31.6	32.2
23.5	30.0	30.5	31.0	31.6	32.1
24.0	29.9	30.4	31.0	31.5	32.0
24.5	29.8	30.4	30.9	31.5	32.0
25.0	29.8	30.3	30.9	31.4	31.9
25.5	29.7	30.3	30.8	31.3	31.9
26.0	29.7	30.2	30.7	31.3	31.8
26.5	29.6	30.2	30.7	31.2	31.8
27.0	29.6	30.1	30.6	31.2	31.7
27.5	29.5	30.1	30.6	31.1	31.7
28.0	29.5	30.0	30.5	31.1	31.6
28.5	29.4	30.0	30.5	31.0	31.6
29.0	29.4	29.9	30.5	31.0	31.5
29.5	29.3	29.9	30.4	31.0	31.5
30.0	29.3	29.8	30.4	30.9	31.5

TARIF ACCESS TABLE – SOUTHERN PINES, FORM CLASS 77

Tarif Number by Tree Diameter and Height

Diameter Breast Height (inches)	Total Tree Height (feet)									
	20	22	24	26	28	30	32	34	36	38
6.0	19.7	20.4	21.0	21.6	22.3	22.9	23.6	24.2	24.9	25.5
6.5	18.1	18.7	19.4	20.0	20.6	21.3	21.9	22.5	23.2	23.8
7.0	16.9	17.6	18.2	18.8	19.4	20.1	20.7	21.3	22.0	22.6
7.5	16.1	16.7	17.3	17.9	18.5	19.2	19.8	20.4	21.0	21.6
8.0	15.3	16.0	16.6	17.2	17.8	18.4	19.0	19.7	20.3	20.9
8.5	14.7	15.4	16.0	16.6	17.2	17.8	18.4	19.0	19.7	20.3
9.0	14.2	14.8	15.5	16.1	16.7	17.3	17.9	18.5	19.1	19.8
9.5	13.8	14.4	15.0	15.6	16.2	16.9	17.5	18.1	18.7	19.3
10.0	13.4	14.0	14.6	15.2	15.8	16.5	17.1	17.7	18.3	18.9
10.5	13.1	13.7	14.3	14.9	15.5	16.1	16.7	17.3	17.9	18.6
11.0	12.7	13.4	14.0	14.6	15.2	15.8	16.4	17.0	17.6	18.2
11.5	12.5	13.1	13.7	14.3	14.9	15.5	16.1	16.7	17.3	17.9
12.0	12.2	12.8	13.4	14.0	14.6	15.3	15.9	16.5	17.1	17.7
12.5	12.0	12.6	13.2	13.8	14.4	15.0	15.6	16.2	16.8	17.5
13.0	11.8	12.4	13.0	13.6	14.2	14.8	15.4	16.0	16.6	17.2
13.5	11.6	12.2	12.8	13.4	14.0	14.6	15.2	15.8	16.4	17.0
14.0	11.4	12.0	12.6	13.2	13.8	14.4	15.0	15.6	16.2	16.8
14.5	11.2	11.8	12.4	13.0	13.6	14.2	14.9	15.5	16.1	16.7
15.0	11.1	11.7	12.3	12.9	13.5	14.1	14.7	15.3	15.9	16.5
15.5	10.9	11.5	12.1	12.7	13.3	13.9	14.5	15.1	15.8	16.4
16.0	10.8	11.4	12.0	12.6	13.2	13.8	14.4	15.0	15.6	16.2
16.5	10.6	11.2	11.8	12.4	13.1	13.7	14.3	14.9	15.5	16.1
17.0	10.5	11.1	11.7	12.3	12.9	13.5	14.1	14.7	15.4	16.0
17.5	10.4	11.0	11.6	12.2	12.8	13.4	14.0	14.6	15.2	15.8
18.0	10.3	10.9	11.5	12.1	12.7	13.3	13.9	14.5	15.1	15.7
18.5	10.2	10.8	11.4	12.0	12.6	13.2	13.8	14.4	15.0	15.6
19.0	10.1	10.7	11.3	11.9	12.5	13.1	13.7	14.3	14.9	15.5
19.5		10.6	11.2	11.8	12.4	13.0	13.6	14.2	14.8	15.4
20.0		10.5	11.1	11.7	12.3	12.9	13.5	14.1	14.7	15.3
20.5		10.4	11.0	11.6	12.2	12.8	13.4	14.0	14.6	15.2
21.0		10.3	10.9	11.5	12.1	12.7	13.3	13.9	14.6	15.2
21.5		10.2	10.8	11.5	12.1	12.7	13.3	13.9	14.5	15.1
22.0		10.2	10.8	11.4	12.0	12.6	13.2	13.8	14.4	15.0
22.5		10.1	10.7	11.3	11.9	12.5	13.1	13.7	14.3	14.9
23.0		10.0	10.6	11.2	11.8	12.4	13.0	13.6	14.3	14.9
23.5			10.6	11.2	11.8	12.4	13.0	13.6	14.2	14.8
24.0			10.5	11.1	11.7	12.3	12.9	13.5	14.1	14.7
24.5			10.4	11.0	11.6	12.2	12.9	13.5	14.1	14.7
25.0			10.4	11.0	11.6	12.2	12.8	13.4	14.0	14.6
25.5			10.3	10.9	11.5	12.1	12.7	13.3	13.9	14.5
26.0			10.3	10.9	11.5	12.1	12.7	13.3	13.9	14.5
26.5			10.2	10.8	11.4	12.0	12.6	13.2	13.8	14.4
27.0			10.2	10.8	11.4	12.0	12.6	13.2	13.8	14.4
27.5			10.1	10.7	11.3	11.9	12.5	13.1	13.7	14.3
28.0			10.1	10.7	11.3	11.9	12.5	13.1	13.7	14.3
28.5			10.0	10.6	11.2	11.8	12.4	13.0	13.6	14.2
29.0				10.6	11.2	11.8	12.4	13.0	13.6	14.2
29.5				10.5	11.1	11.7	12.3	12.9	13.5	14.2
30.0				10.5	11.1	11.7	12.3	12.9	13.5	14.1

TARIF ACCESS TABLE – SOUTHERN PINES, FORM CLASS 77

Tarif Number by Tree Diameter and Height

Diameter* Breast Height (inches)	Total Tree Height (feet)									
	40	42	44	46	48	50	52	54	56	58
6.0	26.1	26.8	27.4	28.1	28.7	29.3	30.0	30.6	31.3	31.9
6.5	24.4	25.1	25.7	26.3	27.0	27.6	28.2	28.8	29.5	30.1
7.0	23.2	23.8	24.5	25.1	25.7	26.3	27.0	27.6	28.2	28.8
7.5	22.3	22.9	23.5	24.1	24.8	25.4	26.0	26.6	27.2	27.9
8.0	21.5	22.1	22.8	23.4	24.0	24.6	25.2	25.8	26.5	27.1
8.5	20.9	21.5	22.1	22.7	23.4	24.0	24.6	25.2	25.8	26.4
9.0	20.4	21.0	21.6	22.2	22.8	23.4	24.1	24.7	25.3	25.9
9.5	19.9	20.5	21.1	21.8	22.4	23.0	23.6	24.2	24.8	25.4
10.0	19.5	20.1	20.7	21.4	22.0	22.6	23.2	23.8	24.4	25.0
10.5	19.2	19.8	20.4	21.0	21.6	22.2	22.8	23.4	24.0	24.7
11.0	18.8	19.5	20.1	20.7	21.3	21.9	22.5	23.1	23.7	24.3
11.5	18.6	19.2	19.8	20.4	21.0	21.6	22.2	22.8	23.4	24.0
12.0	18.3	18.9	19.5	20.1	20.7	21.3	21.9	22.6	23.2	23.8
12.5	18.1	18.7	19.3	19.9	20.5	21.1	21.7	22.3	22.9	23.5
13.0	17.8	18.4	19.1	19.7	20.3	20.9	21.5	22.1	22.7	23.3
13.5	17.6	18.2	18.9	19.5	20.1	20.7	21.3	21.9	22.5	23.1
14.0	17.5	18.1	18.7	19.3	19.9	20.5	21.1	21.7	22.3	22.9
14.5	17.3	17.9	18.5	19.1	19.7	20.3	20.9	21.5	22.1	22.7
15.0	17.1	17.7	18.3	18.9	19.5	20.1	20.8	21.4	22.0	22.6
15.5	17.0	17.6	18.2	18.8	19.4	20.0	20.6	21.2	21.8	22.4
16.0	16.8	17.4	18.0	18.6	19.2	19.9	20.5	21.1	21.7	22.3
16.5	16.7	17.3	17.9	18.5	19.1	19.7	20.3	20.9	21.5	22.1
17.0	16.6	17.2	17.8	18.4	19.0	19.6	20.2	20.8	21.4	22.0
17.5	16.4	17.0	17.7	18.3	18.9	19.5	20.1	20.7	21.3	21.9
18.0	16.3	16.9	17.5	18.1	18.7	19.4	20.0	20.6	21.2	21.8
18.5	16.2	16.8	17.4	18.0	18.6	19.2	19.9	20.5	21.1	21.7
19.0	16.1	16.7	17.3	17.9	18.5	19.1	19.7	20.4	21.0	21.6
19.5	16.0	16.6	17.2	17.8	18.4	19.0	19.7	20.3	20.9	21.5
20.0	15.9	16.5	17.1	17.7	18.3	19.0	19.6	20.2	20.8	21.4
20.5	15.8	16.4	17.1	17.7	18.3	18.9	19.5	20.1	20.7	21.3
21.0	15.8	16.4	17.0	17.6	18.2	18.8	19.4	20.0	20.6	21.2
21.5	15.7	16.3	16.9	17.5	18.1	18.7	19.3	19.9	20.5	21.1
22.0	15.6	16.2	16.8	17.4	18.0	18.6	19.2	19.8	20.4	21.0
22.5	15.5	16.1	16.7	17.3	17.9	18.6	19.2	19.8	20.4	21.0
23.0	15.5	16.1	16.7	17.3	17.9	18.5	19.1	19.7	20.3	20.9
23.5	15.4	16.0	16.6	17.2	17.8	18.4	19.0	19.6	20.2	20.8
24.0	15.3	15.9	16.5	17.1	17.7	18.3	19.0	19.6	20.2	20.8
24.5	15.3	15.9	16.5	17.1	17.7	18.3	18.9	19.5	20.1	20.7
25.0	15.2	15.8	16.4	17.0	17.6	18.2	18.8	19.4	20.0	20.6
25.5	15.1	15.8	16.4	17.0	17.6	18.2	18.8	19.4	20.0	20.6
26.0	15.1	15.7	16.3	16.9	17.5	18.1	18.7	19.3	19.9	20.5
26.5	15.0	15.6	16.2	16.9	17.5	18.1	18.7	19.3	19.9	20.5
27.0	15.0	15.6	16.2	16.8	17.4	18.0	18.6	19.2	19.8	20.4
27.5	14.9	15.5	16.1	16.7	17.4	18.0	18.6	19.2	19.8	20.4
28.0	14.9	15.5	16.1	16.7	17.3	17.9	18.5	19.1	19.7	20.3
28.5	14.8	15.4	16.1	16.7	17.3	17.9	18.5	19.1	19.7	20.3
29.0	14.8	15.4	16.0	16.6	17.2	17.8	18.4	19.0	19.6	20.2
29.5	14.8	15.4	16.0	16.6	17.2	17.8	18.4	19.0	19.6	20.2
30.0	14.7	15.3	15.9	16.5	17.1	17.7	18.3	18.9	19.5	20.1

TARIF ACCESS TABLE – SOUTHERN PINES, FORM CLASS 77

Tarif Number by Tree Diameter and Height

Diameter Breast Height (inches)	Total Tree Height (feet)									
	60	62	64	66	68	70	72	74	76	78
6.0	32.5	33.2	33.8	34.5	35.1	35.7	36.4	37.0	37.7	38.3
6.5	30.7	31.4	32.0	32.6	33.3	33.9	34.5	35.2	35.8	36.4
7.0	29.5	30.1	30.7	31.3	32.0	32.6	33.2	33.8	34.5	35.1
7.5	28.5	29.1	29.7	30.3	31.0	31.6	32.2	32.8	33.5	34.1
8.0	27.7	28.3	28.9	29.6	30.2	30.8	31.4	32.0	32.6	33.3
8.5	27.1	27.7	28.3	28.9	29.5	30.1	30.8	31.4	32.0	32.6
9.0	26.5	27.1	27.7	28.4	29.0	29.6	30.2	30.8	31.4	32.0
9.5	26.0	26.7	27.3	27.9	28.5	29.1	29.7	30.3	30.9	31.6
10.0	25.6	26.2	26.9	27.5	28.1	28.7	29.3	29.9	30.5	31.1
10.5	25.3	25.9	26.5	27.1	27.7	28.3	28.9	29.5	30.2	30.8
11.0	24.9	25.6	26.2	26.8	27.4	28.0	28.6	29.2	29.8	30.4
11.5	24.6	25.3	25.9	26.5	27.1	27.7	28.3	28.9	29.5	30.1
12.0	24.4	25.0	25.6	26.2	26.8	27.4	28.0	28.6	29.3	29.9
12.5	24.1	24.7	25.4	26.0	26.6	27.2	27.8	28.4	29.0	29.6
13.0	23.9	24.5	25.1	25.7	26.3	27.0	27.6	28.2	28.8	29.4
13.5	23.7	24.3	24.9	25.5	26.1	26.7	27.4	28.0	28.6	29.2
14.0	23.5	24.1	24.7	25.3	25.9	26.6	27.2	27.8	28.4	29.0
14.5	23.3	23.9	24.6	25.2	25.8	26.4	27.0	27.6	28.2	28.8
15.0	23.2	23.8	24.4	25.0	25.6	26.2	26.8	27.4	28.0	28.6
15.5	23.0	23.6	24.2	24.8	25.4	26.1	26.7	27.3	27.9	28.5
16.0	22.9	23.5	24.1	24.7	25.3	25.9	26.5	27.1	27.7	28.3
16.5	22.7	23.3	24.0	24.6	25.2	25.8	26.4	27.0	27.6	28.2
17.0	22.6	23.2	23.8	24.4	25.0	25.6	26.2	26.9	27.5	28.1
17.5	22.5	23.1	23.7	24.3	24.9	25.5	26.1	26.7	27.3	27.9
18.0	22.4	23.0	23.6	24.2	24.8	25.4	26.0	26.6	27.2	27.8
18.5	22.3	22.9	23.5	24.1	24.7	25.3	25.9	26.5	27.1	27.7
19.0	22.2	22.8	23.4	24.0	24.6	25.2	25.8	26.4	27.0	27.6
19.5	22.1	22.7	23.3	23.9	24.5	25.1	25.7	26.3	26.9	27.5
20.0	22.0	22.6	23.2	23.8	24.4	25.0	25.6	26.2	26.8	27.4
20.5	21.9	22.5	23.1	23.7	24.3	24.9	25.5	26.1	26.7	27.3
21.0	21.8	22.4	23.0	23.6	24.2	24.8	25.4	26.0	26.6	27.2
21.5	21.7	22.3	22.9	23.5	24.1	24.7	25.3	26.0	26.6	27.2
22.0	21.6	22.2	22.9	23.5	24.1	24.7	25.3	25.9	26.5	27.1
22.5	21.6	22.2	22.8	23.4	24.0	24.6	25.2	25.8	26.4	27.0
23.0	21.5	22.1	22.7	23.3	23.9	24.5	25.1	25.7	26.3	26.9
23.5	21.4	22.0	22.6	23.2	23.8	24.5	25.1	25.7	26.3	26.9
24.0	21.4	22.0	22.6	23.2	23.8	24.4	25.0	25.6	26.2	26.8
24.5	21.3	21.9	22.5	23.1	23.7	24.3	24.9	25.5	26.1	26.7
25.0	21.2	21.8	22.5	23.1	23.7	24.3	24.9	25.5	26.1	26.7
25.5	21.2	21.8	22.4	23.0	23.6	24.2	24.8	25.4	26.0	26.6
26.0	21.1	21.7	22.3	22.9	23.5	24.1	24.8	25.4	26.0	26.6
26.5	21.1	21.7	22.3	22.9	23.5	24.1	24.7	25.3	25.9	26.5
27.0	21.0	21.6	22.2	22.8	23.4	24.0	24.6	25.2	25.9	26.5
27.5	21.0	21.6	22.2	22.8	23.4	24.0	24.6	25.2	25.8	26.4
28.0	20.9	21.5	22.1	22.7	23.3	23.9	24.5	25.1	25.8	26.4
28.5	20.9	21.5	22.1	22.7	23.3	23.9	24.5	25.1	25.7	26.3
29.0	20.8	21.4	22.0	22.6	23.2	23.8	24.5	25.1	25.7	26.3
29.5	20.8	21.4	22.0	22.6	23.2	23.8	24.4	25.0	25.6	26.2
30.0	20.7	21.3	22.0	22.6	23.2	23.8	24.4	25.0	25.6	26.2

TARIF ACCESS TABLE – SOUTHERN PINES, FORM CLASS 77

Tarif Number by Tree Diameter and Height

Diameter Breast Height (inches)	Total Tree Height (feet)									
	80	82	84	86	88	90	92	94	96	98
6.0	39.0	39.6	40.2	40.9	41.5	42.2	42.8	43.4	44.1	44.7
6.5	37.1	37.7	38.3	39.0	39.6	40.2	40.9	41.5	42.1	42.7
7.0	35.7	36.3	37.0	37.6	38.2	38.8	39.5	40.1	40.7	41.3
7.5	34.7	35.3	35.9	36.6	37.2	37.8	38.4	39.0	39.7	40.3
8.0	33.9	34.5	35.1	35.7	36.4	37.0	37.6	38.2	38.8	39.5
8.5	33.2	33.8	34.5	35.1	35.7	36.3	36.9	37.5	38.1	38.8
9.0	32.7	33.3	33.9	34.5	35.1	35.7	36.3	37.0	37.6	38.2
9.5	32.2	32.8	33.4	34.0	34.6	35.2	35.8	36.5	37.1	37.7
10.0	31.7	32.4	33.0	33.6	34.2	34.8	35.4	36.0	36.6	37.3
10.5	31.4	32.0	32.6	33.2	33.8	34.4	35.0	35.6	36.3	36.9
11.0	31.0	31.7	32.3	32.9	33.5	34.1	34.7	35.3	35.9	36.5
11.5	30.7	31.3	32.0	32.6	33.2	33.8	34.4	35.0	35.6	36.2
12.0	30.5	31.1	31.7	32.3	32.9	33.5	34.1	34.7	35.3	35.9
12.5	30.2	30.8	31.4	32.0	32.7	33.3	33.9	34.5	35.1	35.7
13.0	30.0	30.6	31.2	31.8	32.4	33.0	33.6	34.2	34.9	35.5
13.5	29.8	30.4	31.0	31.6	32.2	32.8	33.4	34.0	34.6	35.2
14.0	29.6	30.2	30.8	31.4	32.0	32.6	33.2	33.8	34.4	35.0
14.5	29.4	30.0	30.6	31.2	31.8	32.4	33.0	33.7	34.3	34.9
15.0	29.2	29.8	30.5	31.1	31.7	32.3	32.9	33.5	34.1	34.7
15.5	29.1	29.7	30.3	30.9	31.5	32.1	32.7	33.3	33.9	34.5
16.0	28.9	29.5	30.1	30.8	31.4	32.0	32.6	33.2	33.8	34.4
16.5	28.8	29.4	30.0	30.6	31.2	31.8	32.4	33.0	33.6	34.2
17.0	28.7	29.3	29.9	30.5	31.1	31.7	32.3	32.9	33.5	34.1
17.5	28.5	29.1	29.8	30.4	31.0	31.6	32.2	32.8	33.4	34.0
18.0	28.4	29.0	29.6	30.2	30.8	31.5	32.1	32.7	33.3	33.9
18.5	28.3	28.9	29.5	30.1	30.7	31.3	31.9	32.6	33.2	33.8
19.0	28.2	28.8	29.4	30.0	30.6	31.2	31.8	32.4	33.1	33.7
19.5	28.1	28.7	29.3	29.9	30.5	31.1	31.7	32.3	33.0	33.6
20.0	28.0	28.6	29.2	29.8	30.4	31.0	31.6	32.3	32.9	33.5
20.5	27.9	28.5	29.1	29.7	30.3	31.0	31.6	32.2	32.8	33.4
21.0	27.8	28.5	29.1	29.7	30.3	30.9	31.5	32.1	32.7	33.3
21.5	27.8	28.4	29.0	29.6	30.2	30.8	31.4	32.0	32.6	33.2
22.0	27.7	28.3	28.9	29.5	30.1	30.7	31.3	31.9	32.5	33.1
22.5	27.6	28.2	28.8	29.4	30.0	30.6	31.2	31.8	32.4	33.0
23.0	27.5	28.1	28.7	29.4	30.0	30.6	31.2	31.8	32.4	33.0
23.5	27.5	28.1	28.7	29.3	29.9	30.5	31.1	31.7	32.3	32.9
24.0	27.4	28.0	28.6	29.2	29.8	30.4	31.0	31.6	32.2	32.8
24.5	27.3	27.9	28.5	29.2	29.8	30.4	31.0	31.6	32.2	32.8
25.0	27.3	27.9	28.5	29.1	29.7	30.3	30.9	31.5	32.1	32.7
25.5	27.2	27.8	28.4	29.0	29.6	30.2	30.8	31.4	32.1	32.7
26.0	27.2	27.8	28.4	29.0	29.6	30.2	30.8	31.4	32.0	32.6
26.5	27.1	27.7	28.3	28.9	29.5	30.1	30.7	31.3	31.9	32.5
27.0	27.1	27.7	28.3	28.9	29.5	30.1	30.7	31.3	31.9	32.5
27.5	27.0	27.6	28.2	28.8	29.4	30.0	30.6	31.2	31.8	32.4
28.0	27.0	27.6	28.2	28.8	29.4	30.0	30.6	31.2	31.8	32.4
28.5	26.9	27.5	28.1	28.7	29.3	29.9	30.5	31.1	31.7	32.3
29.0	26.9	27.5	28.1	28.7	29.3	29.9	30.5	31.1	31.7	32.3
29.5	26.8	27.4	28.0	28.6	29.2	29.8	30.4	31.0	31.6	32.3
30.0	26.8	27.4	28.0	28.6	29.2	29.8	30.4	31.0	31.6	32.2

TARIF ACCESS TABLE – SOUTHERN PINES, FORM CLASS 77

Tarif Number by Tree Diameter and Height

Diameter Breast Height (inches)	Total Tree Height (feet)				
	100	102	104	106	108
6.0	45.4	46.0	46.6	47.3	47.9
6.5	43.4	44.0	44.6	45.3	45.9
7.0	42.0	42.6	43.2	43.9	44.5
7.5	40.9	41.5	42.2	42.8	43.4
8.0	40.1	40.7	41.3	41.9	42.5
8.5	39.4	40.0	40.6	41.2	41.8
9.0	38.8	39.4	40.0	40.6	41.3
9.5	38.3	38.9	39.5	40.1	40.8
10.0	37.9	38.5	39.1	39.7	40.3
10.5	37.5	38.1	38.7	39.3	39.9
11.0	37.1	37.7	38.4	39.0	39.6
11.5	36.8	37.4	38.0	38.7	39.3
12.0	36.6	37.2	37.8	38.4	39.0
12.5	36.3	36.9	37.5	38.1	38.7
13.0	36.1	36.7	37.3	37.9	38.5
13.5	35.9	36.5	37.1	37.7	38.3
14.0	35.7	36.3	36.9	37.5	38.1
14.5	35.5	36.1	36.7	37.3	37.9
15.0	35.3	35.9	36.5	37.1	37.7
15.5	35.1	35.7	36.4	37.0	37.6
16.0	35.0	35.6	36.2	36.8	37.4
16.5	34.9	35.5	36.1	36.7	37.3
17.0	34.7	35.3	35.9	36.5	37.1
17.5	34.6	35.2	35.8	36.4	37.0
18.0	34.5	35.1	35.7	36.3	36.9
18.5	34.4	35.0	35.6	36.2	36.8
19.0	34.3	34.9	35.5	36.1	36.7
19.5	34.2	34.8	35.4	36.0	36.6
20.0	34.1	34.7	35.3	35.9	36.5
20.5	34.0	34.6	35.2	35.8	36.4
21.0	33.9	34.5	35.1	35.7	36.3
21.5	33.8	34.4	35.0	35.6	36.2
22.0	33.7	34.3	34.9	35.5	36.1
22.5	33.7	34.3	34.9	35.5	36.1
23.0	33.6	34.2	34.8	35.4	36.0
23.5	33.5	34.1	34.7	35.3	35.9
24.0	33.4	34.0	34.7	35.3	35.9
24.5	33.4	34.0	34.6	35.2	35.8
25.0	33.3	33.9	34.5	35.1	35.7
25.5	33.3	33.9	34.5	35.1	35.7
26.0	33.2	33.8	34.4	35.0	35.6
26.5	33.1	33.8	34.4	35.0	35.6
27.0	33.1	33.7	34.3	34.9	35.5
27.5	33.0	33.6	34.3	34.9	35.5
28.0	33.0	33.6	34.2	34.8	35.4
28.5	32.9	33.5	34.2	34.8	35.4
29.0	32.9	33.5	34.1	34.7	35.3
29.5	32.9	33.5	34.1	34.7	35.3
30.0	32.8	33.4	34.0	34.6	35.2

TARIF ACCESS TABLE – SOUTHERN PINES, FORM CLASS 82

Tarif Number by Tree Diameter and Height

Diameter Breast Height (inches)	Total Tree Height (feet)									
	20	22	24	26	28	30	32	34	36	38
6.0	21.0	21.8	22.6	23.4	24.2	25.1	25.9	26.7	27.5	28.3
6.5	19.5	20.3	21.1	21.9	22.7	23.5	24.2	25.0	25.8	26.6
7.0	18.5	19.2	20.0	20.8	21.5	22.3	23.0	23.8	24.6	25.3
7.5	17.6	18.4	19.1	19.9	20.6	21.4	22.1	22.9	23.6	24.4
8.0	16.9	17.7	18.4	19.2	19.9	20.6	21.4	22.1	22.8	23.6
8.5	16.4	17.1	17.8	18.5	19.3	20.0	20.7	21.5	22.2	22.9
9.0	15.9	16.6	17.3	18.0	18.7	19.5	20.2	20.9	21.6	22.4
9.5	15.4	16.1	16.8	17.6	18.3	19.0	19.7	20.4	21.1	21.9
10.0	15.0	15.7	16.4	17.2	17.9	18.6	19.3	20.0	20.7	21.4
10.5	14.7	15.4	16.1	16.8	17.5	18.2	18.9	19.6	20.3	21.0
11.0	14.3	15.0	15.8	16.5	17.2	17.9	18.6	19.3	20.0	20.7
11.5	14.0	14.8	15.5	16.2	16.9	17.6	18.3	19.0	19.7	20.4
12.0	13.8	14.5	15.2	15.9	16.6	17.3	18.0	18.7	19.4	20.1
12.5	13.5	14.2	14.9	15.6	16.3	17.0	17.7	18.4	19.1	19.8
13.0	13.3	14.0	14.7	15.4	16.1	16.8	17.5	18.2	18.9	19.6
13.5	13.1	13.8	14.5	15.2	15.9	16.6	17.3	18.0	18.7	19.4
14.0	12.9	13.6	14.3	15.0	15.7	16.4	17.1	17.8	18.5	19.1
14.5	12.7	13.4	14.1	14.8	15.5	16.2	16.9	17.6	18.3	19.0
15.0	12.5	13.2	13.9	14.6	15.3	16.0	16.7	17.4	18.1	18.8
15.5	12.4	13.1	13.8	14.4	15.1	15.8	16.5	17.2	17.9	18.6
16.0	12.2	12.9	13.6	14.3	15.0	15.7	16.4	17.1	17.7	18.4
16.5	12.1	12.8	13.5	14.1	14.8	15.5	16.2	16.9	17.6	18.3
17.0	11.9	12.6	13.3	14.0	14.7	15.4	16.1	16.8	17.5	18.1
17.5	11.8	12.5	13.2	13.9	14.6	15.2	15.9	16.6	17.3	18.0
18.0	11.7	12.4	13.1	13.7	14.4	15.1	15.8	16.5	17.2	17.9
18.5	11.6	12.3	12.9	13.6	14.3	15.0	15.7	16.4	17.1	17.8
19.0	11.5	12.1	12.8	13.5	14.2	14.9	15.6	16.3	17.0	17.6
19.5	11.3	12.0	12.7	13.4	14.1	14.8	15.5	16.2	16.8	17.5
20.0	11.2	11.9	12.6	13.3	14.0	14.7	15.4	16.0	16.7	17.4
20.5	11.1	11.8	12.5	13.2	13.9	14.6	15.3	16.0	16.6	17.3
21.0	11.1	11.7	12.4	13.1	13.8	14.5	15.2	15.9	16.5	17.2
21.5	11.0	11.7	12.3	13.0	13.7	14.4	15.1	15.8	16.4	17.1
22.0	10.9	11.6	12.3	12.9	13.6	14.3	15.0	15.7	16.4	17.0
22.5	10.8	11.5	12.2	12.9	13.5	14.2	14.9	15.6	16.3	17.0
23.0	10.7	11.4	12.1	12.8	13.5	14.1	14.8	15.5	16.2	16.9
23.5	10.6	11.3	12.0	12.7	13.4	14.1	14.8	15.4	16.1	16.8
24.0	10.6	11.3	11.9	12.6	13.3	14.0	14.7	15.4	16.0	16.7
24.5	10.5	11.2	11.9	12.6	13.2	13.9	14.6	15.3	16.0	16.7
25.0	10.4	11.1	11.8	12.5	13.2	13.9	14.5	15.2	15.9	16.6
25.5	10.4	11.1	11.7	12.4	13.1	13.8	14.5	15.2	15.8	16.5
26.0	10.3	11.0	11.7	12.4	13.0	13.7	14.4	15.1	15.8	16.5
26.5	10.2	10.9	11.6	12.3	13.0	13.7	14.3	15.0	15.7	16.4
27.0	10.2	10.9	11.6	12.2	12.9	13.6	14.3	15.0	15.7	16.3
27.5	10.1	10.8	11.5	12.2	12.9	13.5	14.2	14.9	15.6	16.3
28.0	10.1	10.8	11.4	12.1	12.8	13.5	14.2	14.9	15.5	16.2
28.5	10.0	10.7	11.4	12.1	12.8	13.4	14.1	14.8	15.5	16.2
29.0		10.7	11.3	12.0	12.7	13.4	14.1	14.8	15.4	16.1
29.5		10.6	11.3	12.0	12.7	13.3	14.0	14.7	15.4	16.1
30.0		10.6	11.2	11.9	12.6	13.3	14.0	14.7	15.3	16.0

TARIF ACCESS TABLE – SOUTHERN PINES, FORM CLASS 82

Tarif Number by Tree Diameter and Height

Diameter Breast Height (inches)	Total Tree Height (feet)									
	40	42	44	46	48	50	52	54	56	58
6.0	29.1	30.0	30.8	31.6	32.4	33.2	34.1	34.9	35.7	36.5
6.5	27.4	28.2	29.0	29.7	30.5	31.3	32.1	32.9	33.7	34.4
7.0	26.1	26.9	27.6	28.4	29.2	29.9	30.7	31.4	32.2	33.0
7.5	25.1	25.9	26.6	27.4	28.1	28.9	29.6	30.4	31.1	31.8
8.0	24.3	25.0	25.8	26.5	27.3	28.0	28.7	29.5	30.2	30.9
8.5	23.6	24.4	25.1	25.8	26.6	27.3	28.0	28.7	29.5	30.2
9.0	23.1	23.8	24.5	25.2	26.0	26.7	27.4	28.1	28.8	29.6
9.5	22.6	23.3	24.0	24.7	25.4	26.2	26.9	27.6	28.3	29.0
10.0	22.1	22.9	23.6	24.3	25.0	25.7	26.4	27.1	27.8	28.6
10.5	21.7	22.5	23.2	23.9	24.6	25.3	26.0	26.7	27.4	28.1
11.0	21.4	22.1	22.8	23.5	24.2	24.9	25.6	26.3	27.0	27.8
11.5	21.1	21.8	22.5	23.2	23.9	24.6	25.3	26.0	26.7	27.4
12.0	20.8	21.5	22.2	22.9	23.6	24.3	25.0	25.7	26.4	27.1
12.5	20.5	21.2	21.9	22.6	23.3	24.0	24.7	25.4	26.1	26.8
13.0	20.3	21.0	21.7	22.4	23.1	23.8	24.5	25.2	25.9	26.6
13.5	20.1	20.7	21.4	22.1	22.8	23.5	24.2	24.9	25.6	26.3
14.0	19.8	20.5	21.2	21.9	22.6	23.3	24.0	24.7	25.4	26.1
14.5	19.6	20.3	21.0	21.7	22.4	23.1	23.8	24.5	25.2	25.9
15.0	19.5	20.2	20.8	21.5	22.2	22.9	23.6	24.3	25.0	25.7
15.5	19.3	20.0	20.7	21.4	22.1	22.7	23.4	24.1	24.8	25.5
16.0	19.1	19.8	20.5	21.2	21.9	22.6	23.3	24.0	24.7	25.3
16.5	19.0	19.7	20.4	21.0	21.7	22.4	23.1	23.8	24.5	25.2
17.0	18.8	19.5	20.2	20.9	21.6	22.3	23.0	23.7	24.3	25.0
17.5	18.7	19.4	20.1	20.8	21.4	22.1	22.8	23.5	24.2	24.9
18.0	18.6	19.3	19.9	20.6	21.3	22.0	22.7	23.4	24.1	24.8
18.5	18.4	19.1	19.8	20.5	21.2	21.9	22.6	23.3	23.9	24.6
19.0	18.3	19.0	19.7	20.4	21.1	21.8	22.5	23.1	23.8	24.5
19.5	18.2	18.9	19.6	20.3	21.0	21.7	22.3	23.0	23.7	24.4
20.0	18.1	18.8	19.5	20.2	20.9	21.5	22.2	22.9	23.6	24.3
20.5	18.0	18.7	19.4	20.1	20.8	21.4	22.1	22.8	23.5	24.2
21.0	17.9	18.6	19.3	20.0	20.7	21.3	22.0	22.7	23.4	24.1
21.5	17.8	18.5	19.2	19.9	20.6	21.2	21.9	22.6	23.3	24.0
22.0	17.7	18.4	19.1	19.8	20.5	21.2	21.8	22.5	23.2	23.9
22.5	17.6	18.3	19.0	19.7	20.4	21.1	21.8	22.4	23.1	23.8
23.0	17.6	18.3	18.9	19.6	20.3	21.0	21.7	22.4	23.0	23.7
23.5	17.5	18.2	18.9	19.5	20.2	20.9	21.6	22.3	23.0	23.7
24.0	17.4	18.1	18.8	19.5	20.2	20.8	21.5	22.2	22.9	23.6
24.5	17.3	18.0	18.7	19.4	20.1	20.8	21.4	22.1	22.8	23.5
25.0	17.3	18.0	18.6	19.3	20.0	20.7	21.4	22.1	22.7	23.4
25.5	17.2	17.9	18.6	19.3	19.9	20.6	21.3	22.0	22.7	23.4
26.0	17.1	17.8	18.5	19.2	19.9	20.6	21.2	21.9	22.6	23.3
26.5	17.1	17.8	18.4	19.1	19.8	20.5	21.2	21.9	22.6	23.2
27.0	17.0	17.7	18.4	19.1	19.8	20.4	21.1	21.8	22.5	23.2
27.5	17.0	17.6	18.3	19.0	19.7	20.4	21.1	21.7	22.4	23.1
28.0	16.9	17.6	18.3	19.0	19.6	20.3	21.0	21.7	22.4	23.1
28.5	16.9	17.5	18.2	18.9	19.6	20.3	21.0	21.6	22.3	23.0
29.0	16.8	17.5	18.2	18.9	19.5	20.2	20.9	21.6	22.3	22.9
29.5	16.8	17.4	18.1	18.8	19.5	20.2	20.8	21.5	22.2	22.9
30.0	16.7	17.4	18.1	18.8	19.4	20.1	20.8	21.5	22.2	22.8

TARIF ACCESS TABLE – SOUTHERN PINES, FORM CLASS 82

Tarif Number by Tree Diameter and Height

Diameter Breast Height (inches)	Total Tree Height (feet)									
	60	62	64	66	68	70	72	74	76	78
6.0	37.3	38.1	39.0	39.8	40.6	41.4	42.2	43.1	43.9	44.7
6.5	35.2	36.0	36.8	37.6	38.4	39.2	39.9	40.7	41.5	42.3
7.0	33.7	34.5	35.3	36.0	36.8	37.6	38.3	39.1	39.8	40.6
7.5	32.6	33.3	34.1	34.8	35.6	36.3	37.1	37.8	38.6	39.3
8.0	31.7	32.4	33.2	33.9	34.6	35.4	36.1	36.8	37.6	38.3
8.5	30.9	31.7	32.4	33.1	33.8	34.6	35.3	36.0	36.8	37.5
9.0	30.3	31.0	31.7	32.5	33.2	33.9	34.6	35.3	36.1	36.8
9.5	29.7	30.5	31.2	31.9	32.6	33.3	34.0	34.8	35.5	36.2
10.0	29.3	30.0	30.7	31.4	32.1	32.8	33.5	34.3	35.0	35.7
10.5	28.8	29.5	30.3	31.0	31.7	32.4	33.1	33.8	34.5	35.2
11.0	28.5	29.2	29.9	30.6	31.3	32.0	32.7	33.4	34.1	34.8
11.5	28.1	28.8	29.5	30.2	30.9	31.6	32.3	33.0	33.7	34.4
12.0	27.8	28.5	29.2	29.9	30.6	31.3	32.0	32.7	33.4	34.1
12.5	27.5	28.2	28.9	29.6	30.3	31.0	31.7	32.4	33.1	33.8
13.0	27.3	28.0	28.6	29.3	30.0	30.7	31.4	32.1	32.8	33.5
13.5	27.0	27.7	28.4	29.1	29.8	30.5	31.2	31.9	32.6	33.3
14.0	26.8	27.5	28.2	28.9	29.6	30.3	31.0	31.7	32.3	33.0
14.5	26.6	27.3	28.0	28.7	29.4	30.0	30.7	31.4	32.1	32.8
15.0	26.4	27.1	27.8	28.5	29.2	29.9	30.5	31.2	31.9	32.6
15.5	26.2	26.9	27.6	28.3	29.0	29.7	30.4	31.0	31.7	32.4
16.0	26.0	26.7	27.4	28.1	28.8	29.5	30.2	30.9	31.6	32.3
16.5	25.9	26.6	27.3	27.9	28.6	29.3	30.0	30.7	31.4	32.1
17.0	25.7	26.4	27.1	27.8	28.5	29.2	29.9	30.6	31.2	31.9
17.5	25.6	26.3	27.0	27.6	28.3	29.0	29.7	30.4	31.1	31.8
18.0	25.4	26.1	26.8	27.5	28.2	28.9	29.6	30.3	31.0	31.6
18.5	25.3	26.0	26.7	27.4	28.1	28.8	29.4	30.1	30.8	31.5
19.0	25.2	25.9	26.6	27.3	28.0	28.6	29.3	30.0	30.7	31.4
19.5	25.1	25.8	26.5	27.1	27.8	28.5	29.2	29.9	30.6	31.3
20.0	25.0	25.7	26.3	27.0	27.7	28.4	29.1	29.8	30.5	31.2
20.5	24.9	25.6	26.2	26.9	27.6	28.3	29.0	29.7	30.4	31.0
21.0	24.8	25.5	26.1	26.8	27.5	28.2	28.9	29.6	30.3	30.9
21.5	24.7	25.4	26.0	26.7	27.4	28.1	28.8	29.5	30.2	30.8
22.0	24.6	25.3	26.0	26.6	27.3	28.0	28.7	29.4	30.1	30.8
22.5	24.5	25.2	25.9	26.6	27.2	27.9	28.6	29.3	30.0	30.7
23.0	24.4	25.1	25.8	26.5	27.2	27.8	28.5	29.2	29.9	30.6
23.5	24.3	25.0	25.7	26.4	27.1	27.8	28.4	29.1	29.8	30.5
24.0	24.3	24.9	25.6	26.3	27.0	27.7	28.4	29.1	29.7	30.4
24.5	24.2	24.9	25.6	26.2	26.9	27.6	28.3	29.0	29.7	30.3
25.0	24.1	24.8	25.5	26.2	26.9	27.5	28.2	28.9	29.6	30.3
25.5	24.0	24.7	25.4	26.1	26.8	27.5	28.1	28.8	29.5	30.2
26.0	24.0	24.7	25.3	26.0	26.7	27.4	28.1	28.8	29.4	30.1
26.5	23.9	24.6	25.3	26.0	26.7	27.3	28.0	28.7	29.4	30.1
27.0	23.9	24.5	25.2	25.9	26.6	27.3	28.0	28.6	29.3	30.0
27.5	23.8	24.5	25.2	25.8	26.5	27.2	27.9	28.6	29.3	29.9
28.0	23.7	24.4	25.1	25.8	26.5	27.2	27.8	28.5	29.2	29.9
28.5	23.7	24.4	25.1	25.7	26.4	27.1	27.8	28.5	29.1	29.8
29.0	23.6	24.3	25.0	25.7	26.4	27.0	27.7	28.4	29.1	29.8
29.5	23.6	24.3	24.9	25.6	26.3	27.0	27.7	28.4	29.0	29.7
30.0	23.5	24.2	24.9	25.6	26.3	26.9	27.6	28.3	29.0	29.7

TARIF ACCESS TABLE -- SOUTHERN PINES, FORM CLASS 82

Tarif Number by Tree Diameter and Height

Diameter Breast Height (inches)	Total Tree Height (feet)									
	80	82	84	86	88	90	92	94	96	98
6.0	45.5	46.3	47.1	48.0	48.8	49.6	50.4	51.2	52.1	52.9
6.5	43.1	43.9	44.7	45.4	46.2	47.0	47.8	48.6	49.4	50.1
7.0	41.4	42.1	42.9	43.7	44.4	45.2	46.0	46.7	47.5	48.2
7.5	40.1	40.8	41.6	42.3	43.1	43.8	44.6	45.3	46.1	46.8
8.0	39.1	39.8	40.5	41.3	42.0	42.7	43.5	44.2	45.0	45.7
8.5	38.2	38.9	39.7	40.4	41.1	41.9	42.6	43.3	44.0	44.8
9.0	37.5	38.2	39.0	39.7	40.4	41.1	41.8	42.6	43.3	44.0
9.5	36.9	37.6	38.3	39.1	39.8	40.5	41.2	41.9	42.6	43.4
10.0	36.4	37.1	37.8	38.5	39.2	40.0	40.7	41.4	42.1	42.8
10.5	35.9	36.6	37.3	38.1	38.8	39.5	40.2	40.9	41.6	42.3
11.0	35.5	36.2	36.9	37.6	38.3	39.0	39.8	40.5	41.2	41.9
11.5	35.1	35.8	36.6	37.3	38.0	38.7	39.4	40.1	40.8	41.5
12.0	34.8	35.5	36.2	36.9	37.6	38.3	39.0	39.7	40.4	41.1
12.5	34.5	35.2	35.9	36.6	37.3	38.0	38.7	39.4	40.1	40.8
13.0	34.2	34.9	35.6	36.3	37.0	37.7	38.4	39.1	39.8	40.5
13.5	34.0	34.7	35.4	36.1	36.8	37.5	38.2	38.8	39.5	40.2
14.0	33.7	34.4	35.1	35.8	36.5	37.2	37.9	38.6	39.3	40.0
14.5	33.5	34.2	34.9	35.6	36.3	37.0	37.7	38.4	39.1	39.8
15.0	33.3	34.0	34.7	35.4	36.1	36.8	37.5	38.2	38.9	39.5
15.5	33.1	33.8	34.5	35.2	35.9	36.6	37.3	38.0	38.7	39.3
16.0	32.9	33.6	34.3	35.0	35.7	36.4	37.1	37.8	38.5	39.2
16.5	32.8	33.5	34.2	34.8	35.5	36.2	36.9	37.6	38.3	39.0
17.0	32.6	33.3	34.0	34.7	35.4	36.1	36.8	37.4	38.1	38.8
17.5	32.5	33.2	33.9	34.5	35.2	35.9	36.6	37.3	38.0	38.7
18.0	32.3	33.0	33.7	34.4	35.1	35.8	36.5	37.2	37.8	38.5
18.5	32.2	32.9	33.6	34.3	35.0	35.6	36.3	37.0	37.7	38.4
19.0	32.1	32.8	33.4	34.1	34.8	35.5	36.2	36.9	37.6	38.3
19.5	32.0	32.6	33.3	34.0	34.7	35.4	36.1	36.8	37.5	38.1
20.0	31.8	32.5	33.2	33.9	34.6	35.3	36.0	36.6	37.3	38.0
20.5	31.7	32.4	33.1	33.8	34.5	35.2	35.9	36.5	37.2	37.9
21.0	31.6	32.3	33.0	33.7	34.4	35.1	35.7	36.4	37.1	37.8
21.5	31.5	32.2	32.9	33.6	34.3	35.0	35.6	36.3	37.0	37.7
22.0	31.4	32.1	32.8	33.5	34.2	34.9	35.6	36.2	36.9	37.6
22.5	31.4	32.0	32.7	33.4	34.1	34.8	35.5	36.1	36.8	37.5
23.0	31.3	31.9	32.6	33.3	34.0	34.7	35.4	36.1	36.7	37.4
23.5	31.2	31.9	32.6	33.2	33.9	34.6	35.3	36.0	36.7	37.3
24.0	31.1	31.8	32.5	33.2	33.8	34.5	35.2	35.9	36.6	37.3
24.5	31.0	31.7	32.4	33.1	33.8	34.4	35.1	35.8	36.5	37.2
25.0	31.0	31.6	32.3	33.0	33.7	34.4	35.1	35.7	36.4	37.1
25.5	30.9	31.6	32.3	32.9	33.6	34.3	35.0	35.7	36.4	37.0
26.0	30.8	31.5	32.2	32.9	33.6	34.2	34.9	35.6	36.3	37.0
26.5	30.8	31.4	32.1	32.8	33.5	34.2	34.9	35.5	36.2	36.9
27.0	30.7	31.4	32.1	32.7	33.4	34.1	34.8	35.5	36.2	36.8
27.5	30.6	31.3	32.0	32.7	33.4	34.0	34.7	35.4	36.1	36.8
28.0	30.6	31.3	31.9	32.6	33.3	34.0	34.7	35.4	36.0	36.7
28.5	30.5	31.2	31.9	32.6	33.2	33.9	34.6	35.3	36.0	36.7
29.0	30.5	31.1	31.8	32.5	33.2	33.9	34.6	35.2	35.9	36.6
29.5	30.4	31.1	31.8	32.5	33.1	33.8	34.5	35.2	35.9	36.6
30.0	30.4	31.0	31.7	32.4	33.1	33.8	34.5	35.1	35.8	36.5

TARIF ACCESS TABLE – SOUTHERN PINES, FORM CLASS 82

Tarif Number by Tree Diameter and Height

Diameter Breast Height (inches)	Total Tree Height (feet)				
	100	102	104	106	108
6.5	53.7	54.5	55.3	56.1	57.0
6.5	50.9	51.7	52.5	53.3	54.1
7.0	49.0	49.8	50.5	51.3	52.1
7.5	47.6	48.3	49.1	49.8	50.6
8.0	46.4	47.2	47.9	48.6	49.4
8.5	45.5	46.2	47.0	47.7	48.4
9.0	44.7	45.5	46.2	46.9	47.6
9.5	44.1	44.8	45.5	46.2	46.9
10.0	43.5	44.2	44.9	45.6	46.4
10.5	43.0	43.7	44.4	45.1	45.8
11.0	42.6	43.3	44.0	44.7	45.4
11.5	42.2	42.9	43.6	44.3	45.0
12.0	41.8	42.5	43.2	43.9	44.6
12.5	41.5	42.2	42.9	43.6	44.3
13.0	41.2	41.9	42.6	43.3	44.0
13.5	40.9	41.6	42.3	43.0	43.7
14.0	40.7	41.4	42.1	42.8	43.5
14.5	40.5	41.1	41.8	42.5	43.2
15.0	40.2	40.9	41.6	42.3	43.0
15.5	40.0	40.7	41.4	42.1	42.8
16.0	39.9	40.5	41.2	41.9	42.6
16.5	39.7	40.4	41.1	41.8	42.4
17.0	39.5	40.2	40.9	41.6	42.3
17.5	39.4	40.1	40.7	41.4	42.1
18.0	39.2	39.9	40.6	41.3	42.0
18.5	39.1	39.8	40.5	41.1	41.8
19.0	38.9	39.6	40.3	41.0	41.7
19.5	38.8	39.5	40.2	40.9	41.6
20.0	38.7	39.4	40.1	40.8	41.5
20.5	38.6	39.3	40.0	40.7	41.3
21.0	38.5	39.2	39.9	40.5	41.2
21.5	38.4	39.1	39.8	40.4	41.1
22.0	38.3	39.0	39.7	40.3	41.0
22.5	38.2	38.9	39.6	40.3	40.9
23.0	38.1	38.8	39.5	40.2	40.9
23.5	38.0	38.7	39.4	40.1	40.8
24.0	37.9	38.6	39.3	40.0	40.7
24.5	37.9	38.6	39.2	39.9	40.6
25.0	37.8	38.5	39.2	39.8	40.5
25.5	37.7	38.4	39.1	39.8	40.5
26.0	37.7	38.3	39.0	39.7	40.4
26.5	37.6	38.3	39.0	39.6	40.3
27.0	37.5	38.2	38.9	39.6	40.3
27.5	37.5	38.1	38.8	39.5	40.2
28.0	37.4	38.1	38.8	39.4	40.1
28.5	37.3	38.0	38.7	39.4	40.1
29.0	37.3	38.0	38.7	39.3	40.0
29.5	37.2	37.9	38.6	39.3	40.0
30.0	37.2	37.9	38.5	39.2	39.9

TARIF ACCESS TABLE – SOUTHERN PINES, FORM CLASS 87

Tarif Number by Tree Diameter and Height

Diameter Breast Height (inches)	Total Tree Height (feet)									
	20	22	24	26	28	30	32	34	36	38
6.0	23.4	24.4	25.3	26.3	27.2	28.2	29.1	30.1	31.0	32.0
6.5	21.8	22.7	23.6	24.5	25.4	26.3	27.2	28.1	29.0	29.9
7.0	20.5	21.4	22.3	23.1	24.0	24.9	25.8	26.6	27.5	28.4
7.5	19.5	20.4	21.3	22.1	23.0	23.8	24.7	25.5	26.4	27.2
8.0	18.8	19.6	20.4	21.3	22.1	23.0	23.8	24.6	25.5	26.3
8.5	18.1	18.9	19.7	20.6	21.4	22.2	23.1	23.9	24.7	25.5
9.0	17.5	18.3	19.2	20.0	20.8	21.6	22.4	23.2	24.1	24.9
9.5	17.0	17.8	18.6	19.5	20.3	21.1	21.9	22.7	23.5	24.3
10.0	16.6	17.4	18.2	19.0	19.8	20.6	21.4	22.2	23.0	23.8
10.5	16.2	17.0	17.8	18.6	19.4	20.2	21.0	21.8	22.6	23.4
11.0	15.8	16.6	17.4	18.2	19.0	19.8	20.6	21.4	22.2	23.0
11.5	15.5	16.3	17.1	17.9	18.7	19.5	20.3	21.0	21.8	22.6
12.0	15.2	16.0	16.8	17.6	18.4	19.2	19.9	20.7	21.5	22.3
12.5	14.9	15.7	16.5	17.3	18.1	18.9	19.7	20.4	21.2	22.0
13.0	14.7	15.5	16.2	17.0	17.8	18.6	19.4	20.2	21.0	21.7
13.5	14.4	15.2	16.0	16.8	17.6	18.4	19.1	19.9	20.7	21.5
14.0	14.2	15.0	15.8	16.6	17.3	18.1	18.9	19.7	20.5	21.3
14.5	14.0	14.8	15.6	16.4	17.1	17.9	18.7	19.5	20.3	21.0
15.0	13.8	14.6	15.4	16.2	16.9	17.7	18.5	19.3	20.1	20.8
15.5	13.6	14.4	15.2	16.0	16.8	17.5	18.3	19.1	19.9	20.6
16.0	13.5	14.3	15.0	15.8	16.6	17.4	18.1	18.9	19.7	20.5
16.5	13.3	14.1	14.9	15.6	16.4	17.2	18.0	18.7	19.5	20.3
17.0	13.2	13.9	14.7	15.5	16.3	17.0	17.8	18.6	19.4	20.1
17.5	13.0	13.8	14.6	15.3	16.1	16.9	17.7	18.4	19.2	20.0
18.0	12.9	13.7	14.4	15.2	16.0	16.8	17.5	18.3	19.1	19.8
18.5	12.8	13.5	14.3	15.1	15.8	16.6	17.4	18.2	18.9	19.7
19.0	12.6	13.4	14.2	15.0	15.7	16.5	17.3	18.0	18.8	19.6
19.5	12.5	13.3	14.1	14.8	15.6	16.4	17.1	17.9	18.7	19.5
20.0	12.4	13.2	14.0	14.7	15.5	16.3	17.0	17.8	18.6	19.3
20.5	12.3	13.1	13.8	14.6	15.4	16.2	16.9	17.7	18.5	19.2
21.0	12.2	13.0	13.7	14.5	15.3	16.1	16.8	17.6	18.4	19.1
21.5	12.1	12.9	13.6	14.4	15.2	16.0	16.7	17.5	18.3	19.0
22.0	12.0	12.8	13.6	14.3	15.1	15.9	16.6	17.4	18.2	18.9
22.5	11.9	12.7	13.5	14.2	15.0	15.8	16.5	17.3	18.1	18.8
23.0	11.8	12.6	13.4	14.1	14.9	15.7	16.4	17.2	18.0	18.7
23.5	11.8	12.5	13.3	14.1	14.8	15.6	16.4	17.1	17.9	18.7
24.0	11.7	12.4	13.2	14.0	14.7	15.5	16.3	17.0	17.8	18.6
24.5	11.6	12.4	13.1	13.9	14.7	15.4	16.2	17.0	17.7	18.5
25.0	11.5	12.3	13.1	13.8	14.6	15.4	16.1	16.9	17.7	18.4
25.5	11.5	12.2	13.0	13.8	14.5	15.3	16.1	16.8	17.6	18.4
26.0	11.4	12.2	12.9	13.7	14.5	15.2	16.0	16.8	17.5	18.3
26.5	11.3	12.1	12.9	13.6	14.4	15.2	15.9	16.7	17.5	18.2
27.0	11.3	12.0	12.8	13.6	14.3	15.1	15.9	16.6	17.4	18.2
27.5	11.2	12.0	12.7	13.5	14.3	15.0	15.8	16.6	17.3	18.1
28.0	11.1	11.9	12.7	13.4	14.2	15.0	15.7	16.5	17.3	18.0
28.5	11.1	11.9	12.6	13.4	14.1	14.9	15.7	16.4	17.2	18.0
29.0	11.0	11.8	12.6	13.3	14.1	14.9	15.6	16.4	17.1	17.9
29.5	11.0	11.7	12.5	13.3	14.0	14.8	15.6	16.3	17.1	17.9
30.0	10.9	11.7	12.5	13.2	14.0	14.7	15.5	16.3	17.0	17.8

TARIF ACCESS TABLE – SOUTHERN PINES, FORM CLASS 87

Tarif Number by Tree Diameter and Height

Diameter Breast Height (inches)	Total Tree Height (feet)									
	40	42	44	46	48	50	52	54	56	58
6.0	32.9	33.9	34.8	35.8	36.7	37.7	38.6	39.6	40.5	41.5
6.5	30.8	31.7	32.6	33.5	34.4	35.3	36.2	37.1	38.0	38.9
7.0	29.3	30.1	31.0	31.9	32.8	33.6	34.5	35.4	36.2	37.1
7.5	28.1	28.9	29.8	30.6	31.5	32.4	33.2	34.1	34.9	35.8
8.0	27.1	28.0	28.8	29.7	30.5	31.3	32.2	33.0	33.9	34.7
8.5	26.4	27.2	28.0	28.8	29.7	30.5	31.3	32.2	33.0	33.8
9.0	25.7	26.5	27.3	28.2	29.0	29.8	30.6	31.4	32.2	33.1
9.5	25.1	25.9	26.8	27.6	28.4	29.2	30.0	30.8	31.6	32.4
10.0	24.6	25.4	26.2	27.0	27.8	28.7	29.5	30.3	31.1	31.9
10.5	24.2	25.0	25.8	26.6	27.4	28.2	29.0	29.8	30.6	31.4
11.0	23.8	24.6	25.4	26.2	27.0	27.8	28.6	29.4	30.2	30.9
11.5	23.4	24.2	25.0	25.8	26.6	27.4	28.2	29.0	29.8	30.6
12.0	23.1	23.9	24.7	25.5	26.3	27.0	27.8	28.6	29.4	30.2
12.5	22.8	23.6	24.4	25.2	25.9	26.7	27.5	28.3	29.1	29.9
13.0	22.5	23.3	24.1	24.9	25.7	26.4	27.2	28.0	28.8	29.6
13.5	22.3	23.0	23.8	24.6	25.4	26.2	27.0	27.7	28.5	29.3
14.0	22.0	22.8	23.6	24.4	25.2	25.9	26.7	27.5	28.3	29.1
14.5	21.8	22.6	23.4	24.1	24.9	25.7	26.5	27.3	28.0	28.8
15.0	21.6	22.4	23.2	23.9	24.7	25.5	26.3	27.1	27.8	28.6
15.5	21.4	22.2	23.0	23.7	24.5	25.3	26.1	26.9	27.6	28.4
16.0	21.2	22.0	22.8	23.6	24.3	25.1	25.9	26.7	27.4	28.2
16.5	21.1	21.8	22.6	23.4	24.2	24.9	25.7	26.5	27.3	28.0
17.0	20.9	21.7	22.5	23.2	24.0	24.8	25.5	26.3	27.1	27.9
17.5	20.8	21.5	22.3	23.1	23.8	24.6	25.4	26.2	26.9	27.7
18.0	20.6	21.4	22.2	22.9	23.7	24.5	25.2	26.0	26.8	27.6
18.5	20.5	21.2	22.0	22.8	23.6	24.3	25.1	25.9	26.6	27.4
19.0	20.3	21.1	21.9	22.7	23.4	24.2	25.0	25.7	26.5	27.3
19.5	20.2	21.0	21.8	22.5	23.3	24.1	24.8	25.6	26.4	27.2
20.0	20.1	20.9	21.6	22.4	23.2	24.0	24.7	25.5	26.3	27.0
20.5	20.0	20.8	21.5	22.3	23.1	23.8	24.6	25.4	26.2	26.9
21.0	19.9	20.7	21.4	22.2	23.0	23.7	24.5	25.3	26.0	26.8
21.5	19.8	20.6	21.3	22.1	22.9	23.6	24.4	25.2	25.9	26.7
22.0	19.7	20.5	21.2	22.0	22.8	23.5	24.3	25.1	25.8	26.6
22.5	19.6	20.4	21.1	21.9	22.7	23.4	24.2	25.0	25.7	26.5
23.0	19.5	20.3	21.0	21.8	22.6	23.4	24.1	24.9	25.7	26.4
23.5	19.4	20.2	21.0	21.7	22.5	23.3	24.0	24.8	25.6	26.3
24.0	19.3	20.1	20.9	21.6	22.4	23.2	23.9	24.7	25.5	26.2
24.5	19.3	20.0	20.8	21.6	22.3	23.1	23.9	24.6	25.4	26.2
25.0	19.2	20.0	20.7	21.5	22.3	23.0	23.8	24.6	25.3	26.1
25.5	19.1	19.9	20.7	21.4	22.2	22.9	23.7	24.5	25.2	26.0
26.0	19.1	19.8	20.6	21.3	22.1	22.9	23.6	24.4	25.2	25.9
26.5	19.0	19.7	20.5	21.3	22.0	22.8	23.6	24.3	25.1	25.9
27.0	18.9	19.7	20.4	21.2	22.0	22.7	23.5	24.3	25.0	25.8
27.5	18.9	19.6	20.4	21.1	21.9	22.7	23.4	24.2	25.0	25.7
28.0	18.8	19.6	20.3	21.1	21.9	22.6	23.4	24.1	24.9	25.7
28.5	18.7	19.5	20.3	21.0	21.8	22.6	23.3	24.1	24.9	25.6
29.0	18.7	19.4	20.2	21.0	21.7	22.5	23.3	24.0	24.8	25.6
29.5	18.6	19.4	20.2	20.9	21.7	22.4	23.2	24.0	24.7	25.5
30.0	18.6	19.3	20.1	20.9	21.6	22.4	23.2	23.9	24.7	25.4

TARIF ACCESS TABLE — SOUTHERN PINES, FORM CLASS 87

Tarif Number by Tree Diameter and Height

Diameter Breast Height (inches)	Total Tree Height (feet)									
	60	62	64	66	68	70	72	74	76	78
6.0	42.4	43.4	44.3	45.3	46.2	47.1	48.1	49.0	50.0	50.9
6.5	39.8	40.7	41.6	42.5	43.4	44.3	45.2	46.1	47.0	48.0
7.0	38.0	38.9	39.7	40.6	41.5	42.4	43.2	44.1	45.0	45.9
7.5	36.6	37.5	38.3	39.2	40.0	40.9	41.7	42.6	43.4	44.3
8.0	35.5	36.4	37.2	38.0	38.9	39.7	40.6	41.4	42.2	43.1
8.5	34.6	35.5	36.3	37.1	37.9	38.8	39.6	40.4	41.2	42.1
9.0	33.9	34.7	35.5	36.3	37.2	38.0	38.8	39.6	40.4	41.2
9.5	33.2	34.0	34.9	35.7	36.5	37.3	38.1	38.9	39.7	40.5
10.0	32.7	33.5	34.3	35.1	35.9	36.7	37.5	38.3	39.1	39.9
10.5	32.2	33.0	33.8	34.6	35.4	36.2	37.0	37.8	38.6	39.4
11.0	31.7	32.5	33.3	34.1	34.9	35.7	36.5	37.3	38.1	38.9
11.5	31.3	32.1	32.9	33.7	34.5	35.3	36.1	36.9	37.7	38.5
12.0	31.0	31.8	32.6	33.4	34.1	34.9	35.7	36.5	37.3	38.1
12.5	30.7	31.5	32.2	33.0	33.8	34.6	35.4	36.2	37.0	37.7
13.0	30.4	31.2	31.9	32.7	33.5	34.3	35.1	35.9	36.6	37.4
13.5	30.1	30.9	31.7	32.4	33.2	34.0	34.8	35.6	36.4	37.1
14.0	29.8	30.6	31.4	32.2	33.0	33.7	34.5	35.3	36.1	36.9
14.5	29.6	30.4	31.2	31.9	32.7	33.5	34.3	35.1	35.8	36.6
15.0	29.4	30.2	30.9	31.7	32.5	33.3	34.1	34.8	35.6	36.4
15.5	29.2	30.0	30.7	31.5	32.3	33.1	33.8	34.6	35.4	36.2
16.0	29.0	29.8	30.5	31.3	32.1	32.9	33.6	34.4	35.2	36.0
16.5	28.8	29.6	30.4	31.1	31.9	32.7	33.5	34.2	35.0	35.8
17.0	28.6	29.4	30.2	31.0	31.7	32.5	33.3	34.1	34.8	35.6
17.5	28.5	29.3	30.0	30.8	31.6	32.3	33.1	33.9	34.7	35.4
18.0	28.3	29.1	29.9	30.6	31.4	32.2	33.0	33.7	34.5	35.3
18.5	28.2	29.0	29.7	30.5	31.3	32.0	32.8	33.6	34.4	35.1
19.0	28.1	28.8	29.6	30.4	31.1	31.9	32.7	33.5	34.2	35.0
19.5	27.9	28.7	29.5	30.2	31.0	31.8	32.5	33.3	34.1	34.9
20.0	27.8	28.6	29.3	30.1	30.9	31.7	32.4	33.2	34.0	34.7
20.5	27.7	28.5	29.2	30.0	30.8	31.5	32.3	33.1	33.8	34.6
21.0	27.6	28.3	29.1	29.9	30.7	31.4	32.2	33.0	33.7	34.5
21.5	27.5	28.2	29.0	29.8	30.5	31.3	32.1	32.9	33.6	34.4
22.0	27.4	28.1	28.9	29.7	30.4	31.2	32.0	32.7	33.5	34.3
22.5	27.3	28.0	28.8	29.6	30.3	31.1	31.9	32.7	33.4	34.2
23.0	27.2	28.0	28.7	29.5	30.3	31.0	31.8	32.6	33.3	34.1
23.5	27.1	27.9	28.6	29.4	30.2	30.9	31.7	32.5	33.2	34.0
24.0	27.0	27.8	28.5	29.3	30.1	30.8	31.6	32.4	33.1	33.9
24.5	26.9	27.7	28.5	29.2	30.0	30.8	31.5	32.3	33.1	33.8
25.0	26.9	27.6	28.4	29.2	29.9	30.7	31.4	32.2	33.0	33.7
25.5	26.8	27.5	28.3	29.1	29.8	30.6	31.4	32.1	32.9	33.7
26.0	26.7	27.5	28.2	29.0	29.8	30.5	31.3	32.1	32.8	33.6
26.5	26.6	27.4	28.2	28.9	29.7	30.5	31.2	32.0	32.8	33.5
27.0	26.6	27.3	28.1	28.9	29.6	30.4	31.2	31.9	32.7	33.5
27.5	26.5	27.3	28.0	28.8	29.6	30.3	31.1	31.9	32.6	33.4
28.0	26.4	27.2	28.0	28.7	29.5	30.3	31.0	31.8	32.6	33.3
28.5	26.4	27.1	27.9	28.7	29.4	30.2	31.0	31.7	32.5	33.3
29.0	26.3	27.1	27.8	28.6	29.4	30.1	30.9	31.7	32.4	33.2
29.5	26.3	27.0	27.8	28.6	29.3	30.1	30.8	31.6	32.4	33.1
30.0	26.2	27.0	27.7	28.5	29.3	30.0	30.8	31.6	32.3	33.1

TARIF ACCESS TABLE – SOUTHERN PINES, FORM CLASS 87

Tarif Number by Tree Diameter and Height

Diameter Breast Height (inches)	Total Tree Height (feet)									
	80	82	84	86	88	90	92	94	96	98
6.0	51.9	52.8	53.8	54.7	55.7	56.6	57.6	58.5	59.5	60.4
6.5	48.9	49.8	50.7	51.6	52.5	53.4	54.3	55.2	56.1	57.0
7.0	46.7	47.6	48.5	49.4	50.2	51.1	52.0	52.9	53.7	54.6
7.5	45.2	46.0	46.9	47.7	48.6	49.4	50.3	51.1	52.0	52.8
8.0	43.9	44.7	45.6	46.4	47.3	48.1	48.9	49.8	50.6	51.5
8.5	42.9	43.7	44.6	45.4	46.2	47.0	47.9	48.7	49.5	50.3
9.0	42.1	42.9	43.7	44.5	45.3	46.1	47.0	47.8	48.6	49.4
9.5	41.3	42.2	43.0	43.8	44.6	45.4	46.2	47.0	47.8	48.6
10.0	40.7	41.5	42.3	43.1	43.9	44.7	45.6	46.4	47.2	48.0
10.5	40.2	41.0	41.8	42.6	43.4	44.2	45.0	45.8	46.6	47.4
11.0	39.7	40.5	41.3	42.1	42.9	43.7	44.5	45.3	46.1	46.9
11.5	39.3	40.1	40.9	41.6	42.4	43.2	44.0	44.8	45.6	46.4
12.0	38.9	39.7	40.5	41.2	42.0	42.8	43.6	44.4	45.2	46.0
12.5	38.5	39.3	40.1	40.9	41.7	42.5	43.3	44.0	44.8	45.6
13.0	38.2	39.0	39.8	40.6	41.3	42.1	42.9	43.7	44.5	45.3
13.5	37.9	38.7	39.5	40.3	41.0	41.8	42.6	43.4	44.2	45.0
14.0	37.6	38.4	39.2	40.0	40.8	41.5	42.3	43.1	43.9	44.7
14.5	37.4	38.2	39.0	39.7	40.5	41.3	42.1	42.8	43.6	44.4
15.0	37.2	37.9	38.7	39.5	40.3	41.1	41.8	42.6	43.4	44.2
15.5	36.9	37.7	38.5	39.3	40.1	40.8	41.6	42.4	43.2	43.9
16.0	36.7	37.5	38.3	39.1	39.8	40.6	41.4	42.2	42.9	43.7
16.5	36.6	37.3	38.1	38.9	39.7	40.4	41.2	42.0	42.8	43.5
17.0	36.4	37.2	37.9	38.7	39.5	40.2	41.0	41.8	42.6	43.3
17.5	36.2	37.0	37.8	38.5	39.3	40.1	40.8	41.6	42.4	43.2
18.0	36.1	36.8	37.6	38.4	39.1	39.9	40.7	41.5	42.2	43.0
18.5	35.9	36.7	37.4	38.2	39.0	39.8	40.5	41.3	42.1	42.8
19.0	35.8	36.5	37.3	38.1	38.8	39.6	40.4	41.2	41.9	42.7
19.5	35.6	36.4	37.2	37.9	38.7	39.5	40.2	41.0	41.8	42.6
20.0	35.5	36.3	37.0	37.8	38.6	39.3	40.1	40.9	41.7	42.4
20.5	35.4	36.2	36.9	37.7	38.5	39.2	40.0	40.8	41.5	42.3
21.0	35.3	36.0	36.8	37.6	38.3	39.1	39.9	40.6	41.4	42.2
21.5	35.2	35.9	36.7	37.5	38.2	39.0	39.8	40.5	41.3	42.1
22.0	35.1	35.8	36.6	37.4	38.1	38.9	39.7	40.4	41.2	42.0
22.5	35.0	35.7	36.5	37.3	38.0	38.8	39.6	40.3	41.1	41.9
23.0	34.9	35.6	36.4	37.2	37.9	38.7	39.5	40.2	41.0	41.8
23.5	34.8	35.5	36.3	37.1	37.8	38.6	39.4	40.1	40.9	41.7
24.0	34.7	35.4	36.2	37.0	37.7	38.5	39.3	40.0	40.8	41.6
24.5	34.6	35.4	36.1	36.9	37.7	38.4	39.2	40.0	40.7	41.5
25.0	34.5	35.3	36.0	36.8	37.6	38.3	39.1	39.9	40.6	41.4
25.5	34.4	35.2	36.0	36.7	37.5	38.3	39.0	39.8	40.6	41.3
26.0	34.4	35.1	35.9	36.7	37.4	38.2	39.0	39.7	40.5	41.2
26.5	34.3	35.1	35.8	36.6	37.3	38.1	38.9	39.6	40.4	41.2
27.0	34.2	35.0	35.7	36.5	37.3	38.0	38.8	39.6	40.3	41.1
27.5	34.2	34.9	35.7	36.4	37.2	38.0	38.7	39.5	40.3	41.0
28.0	34.1	34.9	35.6	36.4	37.1	37.9	38.7	39.4	40.2	41.0
28.5	34.0	34.8	35.6	36.3	37.1	37.8	38.6	39.4	40.1	40.9
29.0	34.0	34.7	35.5	36.3	37.0	37.8	38.5	39.3	40.1	40.8
29.5	33.9	34.7	35.4	36.2	37.0	37.7	38.5	39.3	40.0	40.8
30.0	33.8	34.6	35.4	36.1	36.9	37.7	38.4	39.2	40.0	40.7

TARIF ACCESS TABLE - SOUTHERN PINES, FORM CLASS 87

Tarif Number by Tree Diameter and Height

Diameter Breast Height (inches)	Total Tree Height (feet)				
	100	102	104	106	108
6.0					
6.5	57.9	58.8	59.7	60.6	
7.0	55.5	56.4	57.2	58.1	59.0
7.5	53.7	54.5	55.4	56.2	57.1
8.0	52.3	53.1	54.0	54.8	55.6
8.5	51.2	52.0	52.8	53.6	54.5
9.0	50.2	51.1	51.9	52.7	53.5
9.5	49.4	50.3	51.1	51.9	52.7
10.0	48.8	49.6	50.4	51.2	52.0
10.5	48.2	49.0	49.8	50.6	51.4
11.0	47.7	48.5	49.2	50.0	50.8
11.5	47.2	48.0	48.8	49.6	50.4
12.0	46.8	47.6	48.4	49.1	49.9
12.5	46.4	47.2	48.0	48.8	49.5
13.0	46.1	46.8	47.6	48.4	49.2
13.5	45.7	46.5	47.3	48.1	48.9
14.0	45.5	46.2	47.0	47.8	48.6
14.5	45.2	46.0	46.7	47.5	48.3
15.0	44.9	45.7	46.5	47.3	48.1
15.5	44.7	45.5	46.3	47.0	47.8
16.0	44.5	45.3	46.0	46.8	47.6
16.5	44.3	45.1	45.8	46.6	47.4
17.0	44.1	44.9	45.7	46.4	47.2
17.5	43.9	44.7	45.5	46.3	47.0
18.0	43.8	44.5	45.3	46.1	46.9
18.5	43.6	44.4	45.2	45.9	46.7
19.0	43.5	44.2	45.0	45.8	46.6
19.5	43.3	44.1	44.9	45.6	46.4
20.0	43.2	44.0	44.7	45.5	46.3
20.5	43.1	43.8	44.6	45.4	46.1
21.0	43.0	43.7	44.5	45.3	46.0
21.5	42.8	43.6	44.4	45.1	45.9
22.0	42.7	43.5	44.3	45.0	45.8
22.5	42.6	43.4	44.2	44.9	45.7
23.0	42.5	43.3	44.1	44.8	45.6
23.5	42.4	43.2	44.0	44.7	45.5
24.0	42.3	43.1	43.9	44.6	45.4
24.5	42.3	43.0	43.8	44.6	45.3
25.0	42.2	42.9	43.7	44.5	45.2
25.5	42.1	42.9	43.6	44.4	45.2
26.0	42.0	42.8	43.5	44.3	45.1
26.5	41.9	42.7	43.5	44.2	45.0
27.0	41.9	42.6	43.4	44.2	44.9
27.5	41.8	42.6	43.3	44.1	44.9
28.0	41.7	42.5	43.3	44.0	44.8
28.5	41.7	42.4	43.2	44.0	44.7
29.0	41.6	42.4	43.1	43.9	44.7
29.5	41.5	42.3	43.1	43.8	44.6
30.0	41.5	42.3	43.0	43.8	44.5

NOTE - TARIF NUMBERS ARE PROVI-
SIONAL WHERE EXTRAPOLATED BEYOND
DATA USED BY MERRIFIELD AND FOIL.