

## Carbon Accumulation Tables

<b>Species:</b>	Loblolly Pine
<b>Physiographic Region:</b>	Georgia--statewide
<b>Stand Origin:</b>	Natural
<b>Management Level:</b>	Extensive

Each table starts with a header record that contains 8 descriptive items:

1. Species – Loblolly, Slash, Longleaf, Oak-Gum-Cypress, Oak-Hickory, Oak-Pine
2. Stand Origin – Natural, Planted, Planted Oldfield
3. Site Index (base age 50 for natural, base age 25 for planted) – Low or High for natural stands of pine (no difference for hardwood), Low, Med, or High for planted stands of pine, ALL for hardwood stands
4. Initial Density (age 10 trees/acre for natural pine (High, Low), no classes for hardwood, planting density for plantations (High, Low))
5. Level of management – Ext = extensive; Int = Intensive
6. Genetic Improvement – UI = unimproved (all natural pine and hardwood as well as plantation); in addition for plantations we have 1G and 2G (1<sup>st</sup> generation improvement and 2<sup>nd</sup> generation improvement – NOTE that plantation longleaf only has UI and 1G)
7. Physiographic Region – ALL used when we have no differences among regions (thus there is only a single all encompassing table); LCP – lower coastal plain; PID – piedmont/upper coastal plain
8. Harvest type – CC = carbon yields for a stand that has never received thinning; T22 = carbon yields for a stand that was thinned at age 22; T23 = carbon yields for a stand that was thinned at age 23, etc. Thus, users will have to know when and if their stand had been thinned – they will use the CC table for carbon yields prior to the thin; they will use the appropriate thin table after the thin (If the stand is multiple thinned – they simply need to pick the thin table closest in age to the most recent thinning operation)

**PWCarbon = Pulpwood Carbon Storage (tons per acre) for a given stand age (years).**

**STCarbon = Sawtimber Carbon Storage (tons per acre) for a given stand age (years).**

Loblolly Age	Natural PWCarbon	Low STCarbon	Low	Ext	UI	ALL	CC
10	0.16	0					
11	0.45	0					
12	0.84	0					
13	1.31	0					
14	1.86	0					
15	2.42	0					
16	3	0					
17	3.64	0					
18	4.31	0					
19	4.99	0					
20	5.67	0					
21	6.35	0					
22	6.99	0.04					
23	7.56	0.14					
24	8.12	0.25					
25	8.66	0.35					
26	9.16	0.48					
27	9.54	0.71					
28	9.92	0.93					
29	10.26	1.16					
30	10.6	1.38					
31	10.92	1.59					
32	11.23	1.8					
33	11.41	2.1					
34	11.54	2.44					
35	11.66	2.78					
36	11.76	3.1					
37	11.84	3.43					
38	11.85	3.81					
39	11.8	4.23					
40	11.75	4.63					
41	11.68	5.02					
42	11.62	5.4					
43	11.49	5.82					
44	11.35	6.23					
45	11.22	6.63					
46	11.09	7					
47	10.95	7.36					
48	10.78	7.75					
49	10.61	8.12					
50	10.44	8.48					
51	10.28	8.82					
52	10.12	9.14					
53	9.95	9.45					
54	9.78	9.77					
55	9.6	10.07					
56	9.44	10.35					
57	9.27	10.62					
58	9.11	10.87					
59	8.95	11.12					
Loblolly	Natural	Low	Low	Ext	UI	ALL	T25

Age	PWCarbon	STCarbon
26	7.24	0.64
27	7.55	0.93
28	7.76	1.29
29	7.93	1.69
30	8.1	2.08
31	8.25	2.46
32	8.38	2.83
33	8.36	3.36
34	8.33	3.86
35	8.31	4.34
36	8.28	4.79
37	8.26	5.24
38	8.25	5.69
39	8.22	6.1
40	8.2	6.5
41	8.17	6.88
42	8.12	7.25
43	8.08	7.62
44	8.04	7.98
45	7.99	8.32
46	7.95	8.66
47	7.9	8.97
48	7.86	9.27
49	7.81	9.55
50	7.77	9.82
51	7.73	10.08
52	7.69	10.32
53	7.65	10.58
54	7.58	10.83
55	7.5	11.08
56	7.41	11.31
57	7.34	11.55
58	7.26	11.76
59	7.19	11.96

Loblolly Age	Natural PWCarbon	Low STCarbon	Low	Ext	UI	ALL	T26
27	7.33	0.78					
28	7.59	1.1					
29	7.78	1.46					
30	7.89	1.89					
31	8	2.31					
32	8.11	2.71					
33	8.2	3.11					
34	8.25	3.53					
35	8.2	4.05					
36	8.15	4.54					
37	8.1	5.02					
38	8.05	5.46					
39	8	5.88					
40	7.96	6.31					
41	7.92	6.72					
42	7.87	7.11					
43	7.81	7.49					
44	7.76	7.85					
45	7.71	8.19					
46	7.67	8.52					
47	7.62	8.84					
48	7.57	9.13					
49	7.53	9.42					
50	7.49	9.71					
51	7.44	9.98					
52	7.4	10.23					
53	7.33	10.49					
54	7.27	10.75					
55	7.19	10.99					
56	7.12	11.22					
57	7.05	11.44					
58	6.99	11.65					
59	6.92	11.85					

Loblolly Age	Natural PWCarbon	Low STCarbon	Low	Ext	UI	ALL	T27
28	7.35	0.97					
29	7.6	1.28					
30	7.8	1.62					
31	7.84	2.1					
32	7.91	2.55					
33	7.97	2.98					
34	8.02	3.41					
35	8.07	3.82					
36	8.05	4.27					
37	7.99	4.76					
38	7.93	5.24					
39	7.87	5.7					
40	7.81	6.11					
41	7.74	6.52					
42	7.68	6.92					
43	7.63	7.31					
44	7.57	7.69					
45	7.52	8.04					
46	7.47	8.37					
47	7.42	8.69					
48	7.37	8.99					
49	7.33	9.29					
50	7.29	9.57					
51	7.24	9.84					
52	7.17	10.11					
53	7.11	10.37					
54	7.05	10.61					
55	6.99	10.86					
56	6.92	11.09					
57	6.86	11.3					
58	6.8	11.51					
59	6.74	11.71					

Loblolly Age	Natural PWCarbon	Low STCarbon	Low	Ext	UI	ALL	T28
29	7.34	1.18					
30	7.55	1.51					
31	7.74	1.84					
32	7.75	2.34					
33	7.77	2.83					
34	7.78	3.29					
35	7.8	3.74					
36	7.81	4.18					
37	7.81	4.59					
38	7.77	5.05					
39	7.7	5.5					
40	7.63	5.95					
41	7.56	6.39					
42	7.5	6.79					
43	7.43	7.18					
44	7.37	7.53					
45	7.32	7.89					
46	7.26	8.24					
47	7.21	8.57					
48	7.16	8.88					
49	7.12	9.17					
50	7.07	9.46					
51	7.01	9.73					
52	6.95	10.01					
53	6.89	10.28					
54	6.84	10.53					
55	6.78	10.76					
56	6.72	10.99					
57	6.66	11.2					
58	6.61	11.4					
59	6.56	11.59					

Loblolly Age	Natural PWCarbon	Low STCarbon	Low	Ext	UI	ALL	T29
30	7.31	1.39					
31	7.48	1.75					
32	7.62	2.12					
33	7.63	2.61					
34	7.62	3.11					
35	7.62	3.58					
36	7.61	4.03					
37	7.61	4.48					
38	7.6	4.91					
39	7.59	5.31					
40	7.52	5.76					
41	7.44	6.19					
42	7.37	6.62					
43	7.31	7.03					
44	7.24	7.4					
45	7.18	7.76					
46	7.13	8.1					
47	7.07	8.42					
48	7.02	8.74					
49	6.98	9.04					
50	6.92	9.34					
51	6.86	9.62					
52	6.81	9.9					
53	6.75	10.17					
54	6.69	10.41					
55	6.64	10.64					
56	6.58	10.87					
57	6.53	11.09					
58	6.48	11.3					
59	6.43	11.49					

Loblolly Age	Natural PWCarbon	Low STCarbon	Low	Ext	UI	ALL	T30
31	7.26	1.62					
32	7.39	2.02					
33	7.49	2.42					
34	7.51	2.9					
35	7.47	3.41					
36	7.45	3.9					
37	7.43	4.36					
38	7.41	4.8					
39	7.39	5.23					
40	7.37	5.64					
41	7.35	6.02					
42	7.29	6.44					
43	7.22	6.83					
44	7.16	7.22					
45	7.1	7.6					
46	7.05	7.95					
47	7	8.27					
48	6.95	8.59					
49	6.91	8.88					
50	6.85	9.18					
51	6.79	9.46					
52	6.74	9.73					
53	6.69	10					
54	6.63	10.23					
55	6.59	10.46					
56	6.54	10.69					
57	6.49	10.91					
58	6.44	11.1					
59	6.4	11.29					



Loblolly Age	Natural PWCarbon	Low STCarbon	Low	Ext	UI	ALL	T31
32	7.3	1.82					
33	7.38	2.25					
34	7.45	2.67					
35	7.47	3.14					
36	7.4	3.67					
37	7.35	4.17					
38	7.31	4.65					
39	7.27	5.09					
40	7.23	5.53					
41	7.19	5.94					
42	7.15	6.35					
43	7.11	6.73					
44	7.06	7.1					
45	7	7.46					
46	6.94	7.81					
47	6.89	8.16					
48	6.84	8.48					
49	6.79	8.79					
50	6.73	9.09					
51	6.68	9.37					
52	6.62	9.64					
53	6.57	9.9					
54	6.52	10.14					
55	6.47	10.37					
56	6.43	10.6					
57	6.38	10.81					
58	6.34	11					
59	6.3	11.19					

Loblolly Age	Natural PWCarbon	Low STCarbon	Low	Ext	UI	ALL	T32
33	7.19	2.01					
34	7.22	2.47					
35	7.26	2.92					
36	7.26	3.39					
37	7.17	3.94					
38	7.1	4.44					
39	7.03	4.93					
40	6.97	5.38					
41	6.92	5.82					
42	6.86	6.23					
43	6.81	6.64					
44	6.76	7.02					
45	6.71	7.38					
46	6.67	7.73					
47	6.61	8.05					
48	6.56	8.38					
49	6.51	8.7					
50	6.46	9.01					
51	6.41	9.3					
52	6.35	9.57					
53	6.3	9.83					
54	6.25	10.07					
55	6.21	10.31					
56	6.16	10.54					
57	6.12	10.74					
58	6.08	10.95					
59	6.04	11.14					

Loblolly Age	Natural PWCarbon	Low STCarbon	Low	Ext	UI	ALL	T33
34	7.13	2.24					
35	7.14	2.73					
36	7.14	3.2					
37	7.13	3.67					
38	7.04	4.22					
39	6.96	4.73					
40	6.89	5.2					
41	6.83	5.66					
42	6.77	6.09					
43	6.72	6.5					
44	6.66	6.89					
45	6.61	7.27					
46	6.56	7.62					
47	6.52	7.97					
48	6.47	8.28					
49	6.42	8.59					
50	6.37	8.88					
51	6.32	9.19					
52	6.27	9.47					
53	6.22	9.74					
54	6.17	9.99					
55	6.13	10.24					
56	6.08	10.46					
57	6.04	10.67					
58	6	10.88					
59	5.96	11.08					

Loblolly Age	Natural PWCarbon	Low STCarbon	Low	Ext	UI	ALL	T34
35	7.08	2.51					
36	7.06	3.02					
37	7.04	3.51					
38	7.03	3.98					
39	6.94	4.52					
40	6.86	5.02					
41	6.79	5.49					
42	6.72	5.95					
43	6.66	6.37					
44	6.6	6.78					
45	6.54	7.16					
46	6.49	7.53					
47	6.44	7.88					
48	6.4	8.21					
49	6.35	8.54					
50	6.31	8.83					
51	6.26	9.11					
52	6.21	9.39					
53	6.16	9.66					
54	6.12	9.92					
55	6.07	10.16					
56	6.03	10.4					
57	5.98	10.62					
58	5.94	10.83					
59	5.91	11.02					

Loblolly Age	Natural PWCarbon	Low STCarbon	Low	Ext	UI	ALL	T35
36	6.92	2.75					
37	6.88	3.28					
38	6.85	3.79					
39	6.82	4.27					
40	6.74	4.8					
41	6.66	5.3					
42	6.58	5.77					
43	6.51	6.22					
44	6.45	6.64					
45	6.39	7.04					
46	6.34	7.42					
47	6.28	7.78					
48	6.24	8.12					
49	6.19	8.44					
50	6.15	8.76					
51	6.11	9.06					
52	6.06	9.34					
53	6.01	9.6					
54	5.97	9.85					
55	5.93	10.09					
56	5.89	10.33					
57	5.85	10.55					
58	5.81	10.77					
59	5.77	10.97					

Loblolly Age	Natural PWCarbon	High STCarbon	Low	Ext	UI	ALL	CC
10	2.21	0					
11	3.47	0					
12	4.94	0					
13	6.58	0					
14	8.38	0					
15	10.04	0.25					
16	11.71	0.56					
17	13.27	0.99					
18	14.58	1.71					
19	15.93	2.38					
20	17.24	3.06					
21	18.18	4.07					
22	18.99	5.16					
23	19.7	6.3					
24	20.21	7.57					
25	20.53	8.97					
26	20.77	10.38					
27	20.9	11.82					
28	20.93	13.29					
29	20.91	14.74					
30	20.88	16.12					
31	20.77	17.5					
32	20.62	18.88					
33	20.33	20.38					
34	20.15	21.65					
35	19.89	22.94					
36	19.65	24.15					
37	19.41	25.31					
38	19.16	26.43					
39	18.91	27.47					
40	18.63	28.51					
41	18.29	29.57					
42	17.96	30.56					
43	17.63	31.5					
44	17.32	32.39					
45	17.01	33.25					
46	16.72	34.05					
47	16.42	34.81					
48	16.14	35.54					
49	15.86	36.22					
50	15.49	36.99					
51	15.2	37.64					
52	14.93	38.25					
53	14.67	38.82					
54	14.41	39.35					
55	14.18	39.86					
56	13.95	40.34					
57	13.72	40.78					
58	13.53	41.19					
59	13.35	41.58					
Loblolly	Natural	High	Low	Ext	UI	ALL	T25

Age	PWCarbon	STCarbon
26	8.39	7.57
27	8.3	9.26
28	8.25	10.9
29	8.23	12.49
30	8.24	14.01
31	8.27	15.47
32	8.33	16.88
33	8.39	18.23
34	8.47	19.53
35	8.56	20.79
36	8.65	21.99
37	8.75	23.14
38	8.85	24.26
39	8.95	25.34
40	9.05	26.39
41	9.15	27.39
42	9.25	28.34
43	9.36	29.29
44	9.45	30.18
45	9.55	31.07
46	9.64	31.91
47	9.73	32.7
48	9.82	33.49
49	9.9	34.25
50	9.98	35
51	10.07	35.72
52	10.15	36.42
53	10.23	37.09
54	10.3	37.74
55	10.37	38.41
56	10.44	39.02
57	10.51	39.64
58	10.56	40.22
59	10.62	40.81

Loblolly Age	Natural PWCarbon	High STCarbon	Low	Ext	UI	ALL	T26
27	8.21	8.19					
28	8.11	9.9					
29	8.07	11.55					
30	8.05	13.13					
31	8.08	14.64					
32	8.12	16.1					
33	8.18	17.49					
34	8.26	18.83					
35	8.34	20.11					
36	8.43	21.32					
37	8.54	22.55					
38	8.64	23.68					
39	8.74	24.76					
40	8.84	25.82					
41	8.95	26.85					
42	9.05	27.84					
43	9.16	28.79					
44	9.26	29.71					
45	9.36	30.6					
46	9.46	31.45					
47	9.55	32.28					
48	9.64	33.09					
49	9.73	33.87					
50	9.82	34.62					
51	9.9	35.35					
52	9.99	36.04					
53	10.07	36.73					
54	10.15	37.4					
55	10.22	38.06					
56	10.3	38.7					
57	10.37	39.33					
58	10.43	39.92					
59	10.5	40.52					



Loblolly Age	Natural PWCarbon	High STCarbon	Low	Ext	UI	ALL	T27
28	7.9	8.91					
29	7.8	10.62					
30	7.76	12.27					
31	7.76	13.82					
32	7.8	15.33					
33	7.85	16.76					
34	7.92	18.12					
35	8	19.43					
36	8.09	20.69					
37	8.19	21.91					
38	8.29	23.06					
39	8.4	24.19					
40	8.51	25.26					
41	8.62	26.28					
42	8.72	27.26					
43	8.84	28.24					
44	8.94	29.17					
45	9.04	30.05					
46	9.15	30.93					
47	9.24	31.75					
48	9.34	32.56					
49	9.43	33.33					
50	9.52	34.07					
51	9.61	34.8					
52	9.7	35.51					
53	9.78	36.2					
54	9.86	36.88					
55	9.94	37.52					
56	10.02	38.15					
57	10.09	38.77					
58	10.16	39.37					
59	10.23	39.94					

Loblolly Age	Natural PWCarbon	High STCarbon	Low	Ext	UI	ALL	T28
29	7.54	9.7					
30	7.46	11.4					
31	7.43	13.04					
32	7.45	14.56					
33	7.49	16.04					
34	7.55	17.43					
35	7.63	18.77					
36	7.72	20.06					
37	7.82	21.29					
38	7.93	22.47					
39	8.03	23.6					
40	8.14	24.68					
41	8.26	25.73					
42	8.37	26.74					
43	8.48	27.7					
44	8.59	28.61					
45	8.7	29.52					
46	8.8	30.38					
47	8.91	31.22					
48	9	32.02					
49	9.1	32.8					
50	9.2	33.54					
51	9.29	34.27					
52	9.38	34.98					
53	9.47	35.65					
54	9.56	36.31					
55	9.64	36.95					
56	9.72	37.57					
57	9.79	38.17					
58	9.86	38.75					
59	9.94	39.33					

Loblolly Age	Natural PWCarbon	High STCarbon	Low	Ext	UI	ALL	T29
30	7.41	10.21					
31	7.34	11.91					
32	7.33	13.54					
33	7.34	15.08					
34	7.39	16.55					
35	7.45	17.95					
36	7.54	19.29					
37	7.63	20.57					
38	7.73	21.79					
39	7.83	22.96					
40	7.95	24.1					
41	8.06	25.14					
42	8.17	26.2					
43	8.29	27.2					
44	8.4	28.15					
45	8.51	29.06					
46	8.62	29.94					
47	8.73	30.79					
48	8.84	31.61					
49	8.94	32.41					
50	9.04	33.16					
51	9.14	33.91					
52	9.24	34.62					
53	9.33	35.3					
54	9.42	35.97					
55	9.51	36.63					
56	9.59	37.27					
57	9.68	37.89					
58	9.76	38.49					
59	9.83	39.07					

Loblolly Age	Natural PWCarbon	High STCarbon	Low	Ext	UI	ALL	T30
31	7.1	10.86					
32	7.02	12.54					
33	7.01	14.15					
34	7.03	15.65					
35	7.07	17.1					
36	7.14	18.47					
37	7.22	19.77					
38	7.31	21.02					
39	7.41	22.21					
40	7.52	23.36					
41	7.62	24.44					
42	7.74	25.51					
43	7.85	26.48					
44	7.96	27.45					
45	8.08	28.39					
46	8.19	29.28					
47	8.3	30.13					
48	8.42	30.95					
49	8.52	31.74					
50	8.63	32.52					
51	8.73	33.25					
52	8.83	33.97					
53	8.93	34.65					
54	9.03	35.33					
55	9.12	35.99					
56	9.21	36.61					
57	9.3	37.22					
58	9.38	37.81					
59	9.47	38.39					

Loblolly Age	Natural PWCarbon	High STCarbon	Low	Ext	UI	ALL	T31
32	6.85	11.44					
33	6.79	13.11					
34	6.79	14.71					
35	6.82	16.2					
36	6.88	17.63					
37	6.95	18.98					
38	7.04	20.27					
39	7.13	21.5					
40	7.24	22.68					
41	7.35	23.79					
42	7.46	24.87					
43	7.58	25.91					
44	7.7	26.88					
45	7.81	27.82					
46	7.92	28.72					
47	8.04	29.6					
48	8.16	30.44					
49	8.27	31.24					
50	8.37	32					
51	8.48	32.76					
52	8.59	33.49					
53	8.68	34.16					
54	8.79	34.86					
55	8.88	35.5					
56	8.98	36.12					
57	9.07	36.74					
58	9.16	37.35					
59	9.24	37.92					

Loblolly Age	Natural PWCarbon	High STCarbon	Low	Ext	UI	ALL	T32
33	6.76	11.87					
34	6.71	13.54					
35	6.72	15.14					
36	6.76	16.63					
37	6.82	18.07					
38	6.9	19.42					
39	6.99	20.71					
40	7.09	21.94					
41	7.2	23.11					
42	7.31	24.23					
43	7.43	25.3					
44	7.54	26.3					
45	7.67	27.31					
46	7.78	28.23					
47	7.9	29.11					
48	8.01	29.97					
49	8.13	30.81					
50	8.25	31.61					
51	8.36	32.38					
52	8.46	33.11					
53	8.57	33.82					
54	8.67	34.52					
55	8.78	35.18					
56	8.87	35.82					
57	8.97	36.45					
58	9.06	37.05					
59	9.15	37.63					

Loblolly Age	Natural PWCarbon	High STCarbon	Low	Ext	UI	ALL	T33
34	6.46	12.46					
35	6.44	14.11					
36	6.46	15.68					
37	6.52	17.16					
38	6.59	18.56					
39	6.68	19.9					
40	6.78	21.15					
41	6.89	22.36					
42	7	23.51					
43	7.12	24.61					
44	7.24	25.64					
45	7.37	26.64					
46	7.49	27.59					
47	7.61	28.52					
48	7.73	29.4					
49	7.85	30.22					
50	7.97	31.03					
51	8.08	31.8					
52	8.2	32.56					
53	8.31	33.28					
54	8.41	33.97					
55	8.52	34.66					
56	8.62	35.3					
57	8.72	35.93					
58	8.82	36.54					
59	8.91	37.12					

Loblolly Age	Natural PWCarbon	High STCarbon	Low	Ext	UI	ALL	T34
35	6.23	13.05					
36	6.22	14.69					
37	6.26	16.24					
38	6.33	17.69					
39	6.41	19.08					
40	6.51	20.39					
41	6.62	21.62					
42	6.74	22.81					
43	6.85	23.93					
44	6.98	25					
45	7.1	26.03					
46	7.23	27					
47	7.35	27.93					
48	7.47	28.82					
49	7.6	29.69					
50	7.72	30.52					
51	7.84	31.29					
52	7.95	32.05					
53	8.06	32.76					
54	8.18	33.48					
55	8.28	34.15					
56	8.39	34.81					
57	8.49	35.43					
58	8.59	36.06					
59	8.68	36.64					



Loblolly Age	Natural PWCarbon	High STCarbon	Low	Ext	UI	ALL	T35
36	6.15	13.41					
37	6.15	15.07					
38	6.19	16.63					
39	6.26	18.09					
40	6.36	19.48					
41	6.46	20.78					
42	6.57	22.03					
43	6.69	23.2					
44	6.81	24.33					
45	6.94	25.39					
46	7.07	26.41					
47	7.19	27.38					
48	7.32	28.31					
49	7.44	29.17					
50	7.57	30.05					
51	7.69	30.87					
52	7.81	31.64					
53	7.93	32.39					
54	8.04	33.11					
55	8.15	33.8					
56	8.26	34.48					
57	8.37	35.13					
58	8.47	35.76					
59	8.57	36.35					

Loblolly Age	Natural PWCarbon	High STCarbon	High	Ext	UI	ALL	CC
10	1.46	0					
11	2.81	0					
12	4.51	0					
13	6.57	0					
14	8.85	0					
15	11.27	0					
16	13.79	0					
17	16.35	0					
18	18.9	0					
19	21.43	0					
20	23.38	0.52					
21	25.34	0.96					
22	27.06	1.56					
23	28.64	2.16					
24	29.77	3.07					
25	30.63	4.29					
26	31.59	5.18					
27	32.47	6.05					
28	32.9	7.27					
29	33.03	8.67					
30	33.12	10.01					
31	33.06	11.4					
32	32.67	13.02					
33	32.18	14.66					
34	31.61	16.3					
35	30.95	17.93					
36	30.17	19.63					
37	29.47	21.14					
38	28.77	22.59					
39	27.99	24.06					
40	27.26	25.43					
41	26.36	26.99					
42	25.62	28.27					
43	24.89	29.49					
44	24.2	30.62					
45	23.54	31.7					
46	22.91	32.68					
47	22.29	33.62					
48	21.61	34.59					
49	20.96	35.52					
50	20.34	36.37					
51	19.76	37.15					
52	19.21	37.9					
53	18.71	38.57					
54	18.21	39.2					
55	17.75	39.8					
56	17.2	40.48					
57	16.75	41.03					
58	16.33	41.54					
59	15.93	42.01					
Loblolly	Natural	High	High	Ext	UI	ALL	T25

Age	PWCarbon	STCarbon
26	11.84	4.45
27	12.04	6.09
28	11.93	8.05
29	11.88	9.89
30	11.85	11.66
31	11.69	13.52
32	11.57	15.29
33	11.48	16.95
34	11.43	18.53
35	11.39	20.05
36	11.37	21.49
37	11.36	22.85
38	11.36	24.14
39	11.37	25.38
40	11.39	26.55
41	11.42	27.69
42	11.45	28.75
43	11.49	29.78
44	11.52	30.73
45	11.55	31.67
46	11.57	32.58
47	11.61	33.46
48	11.63	34.27
49	11.67	35.08
50	11.7	35.82
51	11.74	36.53
52	11.77	37.24
53	11.79	37.89
54	11.82	38.52
55	11.85	39.11
56	11.88	39.69
57	11.9	40.28
58	11.92	40.85
59	11.93	41.4

Loblolly Age	Natural PWCarbon	High STCarbon	High	Ext	UI	ALL	T26
27	11.5	5.19					
28	11.59	6.95					
29	11.41	8.97					
30	11.29	10.86					
31	11.21	12.67					
32	11.1	14.45					
33	10.99	16.17					
34	10.92	17.81					
35	10.88	19.37					
36	10.85	20.79					
37	10.84	22.22					
38	10.84	23.55					
39	10.85	24.8					
40	10.88	26					
41	10.91	27.12					
42	10.95	28.2					
43	10.99	29.25					
44	11.03	30.2					
45	11.07	31.16					
46	11.1	32.07					
47	11.14	32.93					
48	11.18	33.73					
49	11.22	34.53					
50	11.27	35.27					
51	11.31	36					
52	11.34	36.66					
53	11.39	37.34					
54	11.42	37.97					
55	11.46	38.57					
56	11.5	39.13					
57	11.52	39.73					
58	11.54	40.29					
59	11.57	40.85					

Loblolly Age	Natural PWCarbon	High STCarbon	High	Ext	UI	ALL	T27
28	11.18	5.88					
29	11.18	7.73					
30	10.9	9.85					
31	10.7	11.81					
32	10.56	13.66					
33	10.45	15.4					
34	10.38	17.08					
35	10.34	18.66					
36	10.31	20.14					
37	10.31	21.59					
38	10.31	22.89					
39	10.33	24.19					
40	10.37	25.42					
41	10.4	26.55					
42	10.45	27.66					
43	10.49	28.68					
44	10.54	29.68					
45	10.58	30.61					
46	10.63	31.55					
47	10.67	32.39					
48	10.73	33.23					
49	10.78	34.01					
50	10.83	34.79					
51	10.88	35.49					
52	10.92	36.19					
53	10.97	36.83					
54	11.01	37.45					
55	11.06	38.06					
56	11.09	38.62					
57	11.12	39.21					
58	11.15	39.76					
59	11.18	40.31					

Loblolly Age	Natural PWCarbon	High STCarbon	High	Ext	UI	ALL	T28
29	10.93	6.52					
30	10.85	8.46					
31	10.59	10.57					
32	10.4	12.52					
33	10.28	14.37					
34	10.19	16.09					
35	10.13	17.75					
36	10.1	19.29					
37	10.1	20.77					
38	10.11	22.19					
39	10.13	23.49					
40	10.15	24.72					
41	10.2	25.93					
42	10.25	27.07					
43	10.3	28.15					
44	10.35	29.17					
45	10.4	30.13					
46	10.46	31.09					
47	10.5	31.97					
48	10.56	32.84					
49	10.61	33.64					
50	10.67	34.41					
51	10.73	35.14					
52	10.77	35.84					
53	10.83	36.53					
54	10.87	37.18					
55	10.92	37.8					
56	10.97	38.41					
57	11	39					
58	11.04	39.57					
59	11.08	40.13					

Loblolly Age	Natural PWCarbon	High STCarbon	High	Ext	UI	ALL	T29
30	10.44	7.36					
31	10.29	9.36					
32	10.05	11.45					
33	9.86	13.39					
34	9.74	15.21					
35	9.66	16.9					
36	9.62	18.52					
37	9.61	20.02					
38	9.63	21.46					
39	9.65	22.79					
40	9.69	24.12					
41	9.73	25.31					
42	9.78	26.45					
43	9.84	27.55					
44	9.9	28.59					
45	9.96	29.6					
46	10.02	30.54					
47	10.08	31.44					
48	10.14	32.29					
49	10.2	33.13					
50	10.26	33.89					
51	10.33	34.65					
52	10.38	35.36					
53	10.44	36.05					
54	10.49	36.68					
55	10.55	37.31					
56	10.6	37.89					
57	10.64	38.5					
58	10.68	39.06					
59	10.72	39.59					

Loblolly Age	Natural PWCarbon	High STCarbon	High	Ext	UI	ALL	T30
31	9.98	8.14					
32	9.78	10.2					
33	9.55	12.27					
34	9.36	14.19					
35	9.24	15.99					
36	9.16	17.67					
37	9.13	19.26					
38	9.15	20.72					
39	9.17	22.09					
40	9.22	23.41					
41	9.27	24.65					
42	9.33	25.86					
43	9.39	26.96					
44	9.46	28					
45	9.53	29.02					
46	9.59	29.98					
47	9.66	30.91					
48	9.73	31.77					
49	9.8	32.61					
50	9.86	33.39					
51	9.93	34.15					
52	9.99	34.87					
53	10.05	35.53					
54	10.11	36.19					
55	10.17	36.8					
56	10.23	37.42					
57	10.28	38.02					
58	10.32	38.58					
59	10.38	39.14					



Loblolly Age	Natural PWCarbon	High STCarbon	High	Ext	UI	ALL	T31
32	9.78	8.79					
33	9.53	10.93					
34	9.33	12.96					
35	9.2	14.84					
36	9.12	16.63					
37	9.07	18.29					
38	9.06	19.85					
39	9.09	21.28					
40	9.13	22.67					
41	9.18	23.97					
42	9.24	25.17					
43	9.31	26.38					
44	9.38	27.48					
45	9.45	28.52					
46	9.52	29.51					
47	9.59	30.46					
48	9.66	31.38					
49	9.73	32.25					
50	9.8	33.07					
51	9.87	33.84					
52	9.94	34.6					
53	10	35.3					
54	10.06	36					
55	10.13	36.65					
56	10.18	37.26					
57	10.24	37.86					
58	10.29	38.45					
59	10.33	39					

Loblolly Age	Natural PWCarbon	High STCarbon	High	Ext	UI	ALL	T32
33	9.26	9.59					
34	9	11.74					
35	8.84	13.74					
36	8.73	15.58					
37	8.68	17.33					
38	8.66	18.93					
39	8.67	20.45					
40	8.7	21.88					
41	8.76	23.23					
42	8.82	24.48					
43	8.89	25.69					
44	8.96	26.78					
45	9.05	27.9					
46	9.13	28.92					
47	9.21	29.88					
48	9.28	30.81					
49	9.36	31.67					
50	9.43	32.51					
51	9.51	33.31					
52	9.58	34.07					
53	9.65	34.78					
54	9.72	35.48					
55	9.79	36.14					
56	9.85	36.75					
57	9.91	37.36					
58	9.97	37.95					
59	10.03	38.54					

Loblolly Age	Natural PWCarbon	High STCarbon	High	Ext	UI	ALL	T33
34	8.76	10.36					
35	8.52	12.49					
36	8.38	14.46					
37	8.3	16.27					
38	8.26	17.97					
39	8.25	19.52					
40	8.28	21.05					
41	8.32	22.44					
42	8.39	23.72					
43	8.47	24.98					
44	8.55	26.14					
45	8.64	27.24					
46	8.72	28.25					
47	8.81	29.27					
48	8.9	30.22					
49	8.98	31.12					
50	9.06	31.96					
51	9.14	32.77					
52	9.22	33.53					
53	9.3	34.27					
54	9.37	34.96					
55	9.45	35.64					
56	9.52	36.27					
57	9.58	36.88					
58	9.65	37.49					
59	9.71	38.04					

Loblolly Age	Natural PWCarbon	High STCarbon	High	Ext	UI	ALL	T34
35	8.59	10.84					
36	8.36	12.97					
37	8.24	14.92					
38	8.19	16.73					
39	8.17	18.41					
40	8.18	19.99					
41	8.22	21.46					
42	8.27	22.85					
43	8.34	24.15					
44	8.43	25.38					
45	8.51	26.53					
46	8.6	27.65					
47	8.69	28.65					
48	8.78	29.64					
49	8.87	30.59					
50	8.96	31.48					
51	9.04	32.33					
52	9.13	33.13					
53	9.21	33.89					
54	9.29	34.61					
55	9.37	35.31					
56	9.44	35.96					
57	9.52	36.6					
58	9.59	37.22					
59	9.65	37.8					

Loblolly Age	Natural PWCarbon	High STCarbon	High	Ext	UI	ALL	T35
36	8.17	11.52					
37	7.96	13.63					
38	7.86	15.55					
39	7.83	17.32					
40	7.84	18.98					
41	7.87	20.52					
42	7.92	21.95					
43	7.98	23.32					
44	8.06	24.61					
45	8.15	25.78					
46	8.24	26.93					
47	8.34	28					
48	8.44	29.03					
49	8.53	29.96					
50	8.62	30.86					
51	8.72	31.75					
52	8.81	32.57					
53	8.9	33.36					
54	8.98	34.11					
55	9.07	34.8					
56	9.15	35.47					
57	9.23	36.12					
58	9.3	36.76					
59	9.37	37.33					

Loblolly Age	Natural PWCarbon	Low STCarbon	High	Ext	UI	ALL	CC
10	0.06	0					
11	0.26	0					
12	0.62	0					
13	1.19	0					
14	1.85	0					
15	2.48	0					
16	3.3	0					
17	4.17	0					
18	5.08	0					
19	6	0					
20	6.92	0					
21	7.84	0					
22	8.77	0					
23	9.68	0					
24	10.56	0					
25	11.41	0					
26	12.24	0					
27	13.04	0					
28	13.73	0.07					
29	14.3	0.24					
30	14.85	0.39					
31	15.37	0.54					
32	15.83	0.7					
33	16.25	0.85					
34	16.49	1.17					
35	16.69	1.48					
36	16.85	1.81					
37	17.02	2.09					
38	17.16	2.36					
39	17.29	2.63					
40	17.4	2.87					
41	17.34	3.27					
42	17.21	3.7					
43	17.07	4.12					
44	16.93	4.52					
45	16.76	4.92					
46	16.52	5.37					
47	16.21	5.87					
48	15.9	6.36					
49	15.59	6.82					
50	15.29	7.26					
51	14.91	7.75					
52	14.55	8.21					
53	14.21	8.65					
54	13.88	9.05					
55	13.53	9.47					
56	13.17	9.88					
57	12.83	10.27					
58	12.5	10.64					
59	12.18	10.98					
Loblolly	Natural	Low	High	Ext	UI	ALL	T25

Age	PWCarbon	STCarbon
26	7.84	0.11
27	8.42	0.24
28	8.79	0.57
29	9.17	0.87
30	9.51	1.22
31	9.68	1.68
32	9.88	2.11
33	10.06	2.53
34	10.21	2.95
35	10.35	3.33
36	10.34	3.89
37	10.27	4.47
38	10.2	5.02
39	10.12	5.54
40	10.05	6.02
41	9.96	6.5
42	9.87	6.96
43	9.78	7.39
44	9.67	7.84
45	9.56	8.25
46	9.46	8.63
47	9.36	9
48	9.27	9.36
49	9.18	9.71
50	9.09	10.04
51	9	10.34
52	8.92	10.64
53	8.83	10.92
54	8.76	11.18
55	8.67	11.42
56	8.59	11.66
57	8.5	11.87
58	8.38	12.12
59	8.26	12.37

Loblolly Age	Natural PWCarbon	Low STCarbon	High	Ext	UI	ALL	T26
27	8.03	0.19					
28	8.55	0.38					
29	8.84	0.77					
30	9.16	1.13					
31	9.47	1.49					
32	9.59	2					
33	9.71	2.48					
34	9.84	2.94					
35	9.94	3.39					
36	10.03	3.84					
37	10.1	4.24					
38	10.07	4.78					
39	9.99	5.34					
40	9.9	5.86					
41	9.81	6.35					
42	9.71	6.82					
43	9.61	7.26					
44	9.5	7.71					
45	9.38	8.14					
46	9.27	8.54					
47	9.17	8.94					
48	9.07	9.31					
49	8.97	9.65					
50	8.88	9.97					
51	8.79	10.28					
52	8.71	10.57					
53	8.63	10.85					
54	8.54	11.11					
55	8.46	11.35					
56	8.38	11.59					
57	8.27	11.84					
58	8.15	12.11					
59	8.04	12.35					



Loblolly Age	Natural PWCarbon	Low STCarbon	High	Ext	UI	ALL	T27
28	8.21	0.27					
29	8.66	0.51					
30	8.91	0.95					
31	9.18	1.35					
32	9.42	1.76					
33	9.54	2.26					
34	9.59	2.78					
35	9.68	3.28					
36	9.75	3.75					
37	9.8	4.22					
38	9.84	4.67					
39	9.87	5.07					
40	9.82	5.58					
41	9.72	6.11					
42	9.61	6.61					
43	9.5	7.08					
44	9.38	7.54					
45	9.26	7.98					
46	9.14	8.39					
47	9.04	8.79					
48	8.93	9.15					
49	8.84	9.5					
50	8.74	9.85					
51	8.66	10.17					
52	8.58	10.47					
53	8.5	10.74					
54	8.41	11.01					
55	8.33	11.26					
56	8.23	11.51					
57	8.11	11.77					
58	8.01	12.03					
59	7.9	12.26					

Loblolly Age	Natural PWCarbon	Low STCarbon	High	Ext	UI	ALL	T28
29	8.33	0.37					
30	8.75	0.64					
31	8.97	1.1					
32	9.21	1.54					
33	9.43	1.97					
34	9.54	2.46					
35	9.57	3.01					
36	9.61	3.53					
37	9.66	4.02					
38	9.69	4.49					
39	9.72	4.96					
40	9.72	5.38					
41	9.73	5.79					
42	9.64	6.3					
43	9.52	6.81					
44	9.39	7.29					
45	9.26	7.74					
46	9.14	8.17					
47	9.03	8.58					
48	8.92	8.96					
49	8.82	9.33					
50	8.72	9.66					
51	8.63	9.97					
52	8.54	10.27					
53	8.46	10.56					
54	8.38	10.84					
55	8.3	11.1					
56	8.19	11.37					
57	8.08	11.64					
58	7.97	11.9					
59	7.87	12.13					

Loblolly Age	Natural PWCarbon	Low STCarbon	High	Ext	UI	ALL	T29
30	8.39	0.52					
31	8.78	0.82					
32	8.99	1.29					
33	9.2	1.74					
34	9.4	2.18					
35	9.52	2.66					
36	9.5	3.25					
37	9.48	3.8					
38	9.48	4.33					
39	9.48	4.82					
40	9.47	5.31					
41	9.46	5.77					
42	9.43	6.19					
43	9.39	6.6					
44	9.3	7.05					
45	9.17	7.53					
46	9.05	7.98					
47	8.94	8.4					
48	8.83	8.79					
49	8.72	9.16					
50	8.63	9.5					
51	8.54	9.83					
52	8.45	10.15					
53	8.37	10.43					
54	8.29	10.7					
55	8.2	10.97					
56	8.08	11.24					
57	7.97	11.49					
58	7.87	11.74					
59	7.77	11.98					

Loblolly Age	Natural PWCarbon	Low STCarbon	High	Ext	UI	ALL	T30
31	8.35	0.72					
32	8.67	1.08					
33	8.87	1.54					
34	9.07	1.98					
35	9.26	2.42					
36	9.41	2.83					
37	9.37	3.44					
38	9.3	4.04					
39	9.24	4.59					
40	9.19	5.12					
41	9.14	5.61					
42	9.1	6.1					
43	9.03	6.56					
44	8.96	6.99					
45	8.88	7.39					
46	8.81	7.78					
47	8.74	8.16					
48	8.65	8.56					
49	8.55	8.94					
50	8.46	9.28					
51	8.37	9.61					
52	8.29	9.92					
53	8.21	10.2					
54	8.11	10.48					
55	8.01	10.78					
56	7.91	11.06					
57	7.81	11.32					
58	7.72	11.56					
59	7.63	11.79					

Loblolly Age	Natural PWCarbon	Low STCarbon	High	Ext	UI	ALL	T31
32	8.37	0.89					
33	8.63	1.3					
34	8.78	1.8					
35	8.92	2.3					
36	9.06	2.78					
37	9.17	3.23					
38	9.16	3.78					
39	9.08	4.39					
40	9	4.95					
41	8.94	5.48					
42	8.88	5.97					
43	8.81	6.44					
44	8.73	6.92					
45	8.66	7.35					
46	8.58	7.76					
47	8.51	8.14					
48	8.43	8.49					
49	8.37	8.84					
50	8.3	9.17					
51	8.24	9.49					
52	8.17	9.79					
53	8.1	10.08					
54	8	10.39					
55	7.9	10.68					
56	7.8	10.95					
57	7.7	11.2					
58	7.62	11.43					
59	7.53	11.65					

Loblolly Age	Natural PWCarbon	Low STCarbon	High	Ext	UI	ALL	T32
33	8.41	1.03					
34	8.65	1.46					
35	8.77	1.99					
36	8.88	2.52					
37	8.98	3.02					
38	9.07	3.51					
39	9.07	4.04					
40	8.98	4.65					
41	8.89	5.22					
42	8.81	5.74					
43	8.74	6.25					
44	8.66	6.72					
45	8.58	7.19					
46	8.5	7.63					
47	8.42	8.02					
48	8.34	8.4					
49	8.27	8.76					
50	8.2	9.09					
51	8.13	9.41					
52	8.07	9.72					
53	8.01	10					
54	7.93	10.3					
55	7.84	10.57					
56	7.75	10.84					
57	7.66	11.11					
58	7.57	11.36					
59	7.49	11.58					

Loblolly Age	Natural PWCarbon	Low STCarbon	High	Ext	UI	ALL	T33
34	8.42	1.18					
35	8.6	1.64					
36	8.68	2.19					
37	8.72	2.77					
38	8.77	3.3					
39	8.8	3.81					
40	8.82	4.29					
41	8.69	4.92					
42	8.57	5.51					
43	8.45	6.05					
44	8.35	6.56					
45	8.25	7.04					
46	8.15	7.48					
47	8.06	7.93					
48	7.97	8.35					
49	7.88	8.73					
50	7.79	9.08					
51	7.71	9.42					
52	7.64	9.74					
53	7.56	10.04					
54	7.49	10.31					
55	7.42	10.59					
56	7.34	10.87					
57	7.25	11.13					
58	7.17	11.36					
59	7.1	11.59					

Loblolly Age	Natural PWCarbon	Low STCarbon	High	Ext	UI	ALL	T34
35	8.34	1.41					
36	8.52	1.88					
37	8.59	2.43					
38	8.59	3.03					
39	8.6	3.59					
40	8.6	4.12					
41	8.6	4.62					
42	8.5	5.2					
43	8.37	5.78					
44	8.24	6.34					
45	8.13	6.84					
46	8.02	7.33					
47	7.91	7.77					
48	7.8	8.18					
49	7.71	8.61					
50	7.63	8.99					
51	7.54	9.34					
52	7.46	9.67					
53	7.39	9.98					
54	7.32	10.27					
55	7.24	10.55					
56	7.16	10.83					
57	7.08	11.08					
58	7	11.32					
59	6.92	11.56					



Loblolly Age	Natural PWCarbon	Low STCarbon	High	Ext	UI	ALL	T35
36	8.27	1.63					
37	8.45	2.09					
38	8.51	2.64					
39	8.44	3.3					
40	8.39	3.92					
41	8.34	4.48					
42	8.29	5.03					
43	8.22	5.57					
44	8.09	6.14					
45	7.97	6.67					
46	7.86	7.18					
47	7.74	7.64					
48	7.64	8.09					
49	7.55	8.49					
50	7.45	8.86					
51	7.37	9.24					
52	7.29	9.59					
53	7.22	9.91					
54	7.15	10.21					
55	7.08	10.49					
56	7	10.78					
57	6.92	11.03					
58	6.84	11.27					
59	6.77	11.52					

Loblolly Age	Natural PWCarbon	Med STCarbon	High	Ext	UI	ALL	CC
10	0.38	0					
11	0.97	0					
12	1.84	0					
13	2.88	0					
14	4.16	0					
15	5.58	0					
16	7.1	0					
17	8.67	0					
18	10.27	0					
19	11.89	0					
20	13.51	0					
21	15.09	0					
22	16.64	0					
23	18.14	0					
24	19.22	0.36					
25	20.34	0.64					
26	21.4	0.91					
27	22.31	1.26					
28	22.99	1.74					
29	23.51	2.37					
30	23.92	3.02					
31	24.37	3.56					
32	24.78	4.07					
33	25.08	4.64					
34	25.13	5.39					
35	25.05	6.22					
36	24.95	7					
37	24.78	7.81					
38	24.5	8.69					
39	24.05	9.68					
40	23.59	10.65					
41	23.16	11.53					
42	22.61	12.49					
43	22.05	13.42					
44	21.5	14.32					
45	20.99	15.14					
46	20.44	15.96					
47	19.81	16.88					
48	19.28	17.64					
49	18.77	18.36					
50	18.26	19.04					
51	17.74	19.73					
52	17.26	20.35					
53	16.8	20.93					
54	16.36	21.48					
55	15.94	21.98					
56	15.5	22.49					
57	15.05	23					
58	14.62	23.48					
59	14.21	23.92					
Loblolly	Natural	Med	High	Ext	UI	ALL	T25

Age	PWCarbon	STCarbon
26	10.71	1.23
27	11.18	1.95
28	11.53	2.8
29	11.88	3.63
30	12.13	4.5
31	12.06	5.68
32	12.01	6.77
33	11.98	7.81
34	11.96	8.82
35	11.95	9.8
36	11.92	10.68
37	11.9	11.54
38	11.77	12.5
39	11.64	13.4
40	11.53	14.25
41	11.42	15.04
42	11.33	15.8
43	11.24	16.51
44	11.17	17.21
45	11.1	17.85
46	11.04	18.45
47	10.98	19.01
48	10.91	19.56
49	10.8	20.1
50	10.71	20.65
51	10.63	21.15
52	10.55	21.63
53	10.47	22.08
54	10.41	22.52
55	10.35	22.92
56	10.29	23.29
57	10.24	23.66
58	10.19	23.99
59	10.15	24.31

Loblolly Age	Natural PWCarbon	Med STCarbon	High	Ext	UI	ALL	T26
27	10.73	1.56					
28	11.11	2.37					
29	11.32	3.34					
30	11.56	4.27					
31	11.77	5.16					
32	11.7	6.31					
33	11.61	7.45					
34	11.55	8.5					
35	11.5	9.49					
36	11.46	10.47					
37	11.43	11.38					
38	11.36	12.24					
39	11.3	13.07					
40	11.23	13.9					
41	11.13	14.72					
42	11.04	15.49					
43	10.95	16.21					
44	10.88	16.9					
45	10.82	17.54					
46	10.76	18.13					
47	10.7	18.72					
48	10.62	19.3					
49	10.54	19.87					
50	10.45	20.39					
51	10.38	20.89					
52	10.31	21.36					
53	10.24	21.78					
54	10.18	22.22					
55	10.13	22.61					
56	10.08	22.98					
57	10.04	23.33					
58	10	23.64					
59	9.96	23.96					

Loblolly Age	Natural PWCarbon	Med STCarbon	High	Ext	UI	ALL	T27
28	10.78	1.84					
29	11.12	2.69					
30	11.26	3.74					
31	11.44	4.73					
32	11.59	5.68					
33	11.53	6.81					
34	11.42	7.96					
35	11.32	9.03					
36	11.25	10.04					
37	11.19	10.99					
38	11.12	11.96					
39	11.04	12.82					
40	10.97	13.64					
41	10.9	14.43					
42	10.85	15.19					
43	10.77	15.94					
44	10.7	16.64					
45	10.64	17.3					
46	10.58	17.92					
47	10.53	18.52					
48	10.46	19.09					
49	10.37	19.64					
50	10.29	20.17					
51	10.22	20.68					
52	10.16	21.18					
53	10.09	21.62					
54	10.04	22.05					
55	9.99	22.46					
56	9.94	22.83					
57	9.9	23.18					
58	9.87	23.5					
59	9.84	23.83					

Loblolly Age	Natural PWCarbon	Med STCarbon	High	Ext	UI	ALL	T28
29	10.73	2.2					
30	11.03	3.05					
31	11.08	4.16					
32	11.16	5.21					
33	11.22	6.22					
34	11.18	7.29					
35	11	8.46					
36	10.85	9.57					
37	10.73	10.6					
38	10.61	11.56					
39	10.52	12.5					
40	10.42	13.39					
41	10.33	14.22					
42	10.24	14.99					
43	10.17	15.73					
44	10.1	16.43					
45	10.04	17.11					
46	9.98	17.74					
47	9.94	18.36					
48	9.88	18.91					
49	9.82	19.47					
50	9.76	20.01					
51	9.69	20.52					
52	9.63	20.99					
53	9.57	21.44					
54	9.52	21.87					
55	9.47	22.27					
56	9.44	22.67					
57	9.4	23.02					
58	9.36	23.36					
59	9.33	23.7					

Loblolly Age	Natural PWCarbon	Med STCarbon	High	Ext	UI	ALL	T29
30	10.56	2.63					
31	10.86	3.48					
32	10.81	4.69					
33	10.75	5.85					
34	10.71	6.95					
35	10.67	7.99					
36	10.5	9.15					
37	10.35	10.23					
38	10.22	11.25					
39	10.11	12.21					
40	10.01	13.08					
41	9.92	13.95					
42	9.84	14.77					
43	9.76	15.53					
44	9.69	16.24					
45	9.63	16.91					
46	9.58	17.55					
47	9.53	18.17					
48	9.49	18.74					
49	9.43	19.29					
50	9.38	19.84					
51	9.32	20.33					
52	9.27	20.8					
53	9.23	21.26					
54	9.18	21.7					
55	9.15	22.12					
56	9.11	22.5					
57	9.08	22.87					
58	9.05	23.22					
59	9.01	23.53					

Loblolly Age	Natural PWCarbon	Med STCarbon	High	Ext	UI	ALL	T30
31	10.4	3.07					
32	10.62	4.01					
33	10.56	5.22					
34	10.48	6.41					
35	10.42	7.52					
36	10.37	8.58					
37	10.23	9.69					
38	10.09	10.74					
39	9.97	11.76					
40	9.86	12.69					
41	9.77	13.58					
42	9.67	14.38					
43	9.6	15.21					
44	9.53	15.95					
45	9.47	16.66					
46	9.42	17.32					
47	9.37	17.94					
48	9.32	18.52					
49	9.28	19.09					
50	9.23	19.65					
51	9.17	20.15					
52	9.13	20.65					
53	9.08	21.12					
54	9.04	21.55					
55	9	21.96					
56	8.97	22.35					
57	8.94	22.71					
58	8.91	23.08					
59	8.89	23.41					



Loblolly Age	Natural PWCarbon	Med STCarbon	High	Ext	UI	ALL	T31
32	10.21	3.58					
33	10.32	4.61					
34	10.23	5.83					
35	10.11	7.04					
36	10.02	8.17					
37	9.94	9.24					
38	9.84	10.27					
39	9.7	11.31					
40	9.58	12.28					
41	9.48	13.2					
42	9.38	14.07					
43	9.3	14.88					
44	9.22	15.61					
45	9.16	16.34					
46	9.11	17.03					
47	9.07	17.67					
48	9.03	18.27					
49	8.98	18.84					
50	8.93	19.39					
51	8.88	19.9					
52	8.84	20.39					
53	8.81	20.87					
54	8.78	21.3					
55	8.75	21.7					
56	8.73	22.11					
57	8.71	22.49					
58	8.69	22.84					
59	8.66	23.16					

Loblolly Age	Natural PWCarbon	Med STCarbon	High	Ext	UI	ALL	T32
33	10.01	4.01					
34	10.04	5.11					
35	9.92	6.37					
36	9.75	7.62					
37	9.61	8.78					
38	9.49	9.87					
39	9.39	10.89					
40	9.28	11.9					
41	9.17	12.83					
42	9.08	13.72					
43	9	14.55					
44	8.93	15.35					
45	8.87	16.08					
46	8.82	16.75					
47	8.78	17.39					
48	8.74	18.02					
49	8.7	18.62					
50	8.66	19.17					
51	8.62	19.7					
52	8.59	20.19					
53	8.56	20.67					
54	8.53	21.1					
55	8.51	21.52					
56	8.49	21.93					
57	8.47	22.29					
58	8.45	22.64					
59	8.43	22.97					

Loblolly Age	Natural PWCarbon	Med STCarbon	High	Ext	UI	ALL	T33
34	9.94	4.31					
35	9.92	5.47					
36	9.77	6.76					
37	9.58	8.03					
38	9.42	9.21					
39	9.29	10.31					
40	9.18	11.34					
41	9.08	12.33					
42	8.98	13.25					
43	8.9	14.12					
44	8.83	14.93					
45	8.77	15.71					
46	8.72	16.44					
47	8.67	17.09					
48	8.63	17.72					
49	8.59	18.31					
50	8.56	18.91					
51	8.52	19.46					
52	8.49	19.97					
53	8.46	20.46					
54	8.43	20.9					
55	8.41	21.34					
56	8.39	21.75					
57	8.37	22.12					
58	8.36	22.5					
59	8.34	22.85					

Loblolly Age	Natural PWCarbon	Med STCarbon	High	Ext	UI	ALL	T34
35	9.62	4.84					
36	9.53	6.07					
37	9.38	7.35					
38	9.19	8.61					
39	9.04	9.77					
40	8.91	10.86					
41	8.81	11.87					
42	8.72	12.82					
43	8.64	13.73					
44	8.57	14.57					
45	8.51	15.36					
46	8.45	16.09					
47	8.41	16.81					
48	8.38	17.47					
49	8.35	18.08					
50	8.31	18.66					
51	8.28	19.2					
52	8.25	19.73					
53	8.23	20.23					
54	8.21	20.7					
55	8.19	21.14					
56	8.17	21.56					
57	8.16	21.93					
58	8.15	22.32					
59	8.14	22.66					

Loblolly Age	Natural PWCarbon	Med STCarbon	High	Ext	UI	ALL	T35
36	9.3	5.36					
37	9.17	6.63					
38	9.02	7.91					
39	8.82	9.16					
40	8.67	10.31					
41	8.55	11.39					
42	8.45	12.39					
43	8.37	13.31					
44	8.3	14.19					
45	8.24	15.01					
46	8.19	15.77					
47	8.15	16.5					
48	8.11	17.15					
49	8.09	17.82					
50	8.06	18.42					
51	8.03	18.98					
52	8.01	19.51					
53	7.99	20.01					
54	7.97	20.48					
55	7.96	20.93					
56	7.94	21.36					
57	7.93	21.75					
58	7.93	22.14					
59	7.92	22.49					

Loblolly Age	Natural PWCarbon	Med STCarbon	Low	Ext	UI	ALL	CC
10	0.47	0					
11	1	0					
12	1.64	0					
13	2.47	0					
14	3.41	0					
15	4.42	0					
16	5.51	0					
17	6.64	0					
18	7.8	0					
19	8.92	0.06					
20	9.92	0.24					
21	10.92	0.42					
22	11.87	0.63					
23	12.61	1.03					
24	13.3	1.46					
25	13.99	1.87					
26	14.64	2.27					
27	15.25	2.69					
28	15.62	3.3					
29	15.93	3.94					
30	16.22	4.57					
31	16.45	5.21					
32	16.5	5.99					
33	16.51	6.78					
34	16.49	7.57					
35	16.45	8.33					
36	16.31	9.15					
37	16.16	9.95					
38	16	10.72					
39	15.85	11.45					
40	15.65	12.2					
41	15.37	13.01					
42	15.15	13.72					
43	14.94	14.41					
44	14.71	15.06					
45	14.46	15.73					
46	14.22	16.35					
47	13.98	16.94					
48	13.75	17.51					
49	13.52	18.05					
50	13.3	18.56					
51	13.04	19.09					
52	12.77	19.61					
53	12.52	20.11					
54	12.27	20.57					
55	12.02	21.02					
56	11.79	21.43					
57	11.56	21.83					
58	11.35	22.21					
59	11.14	22.56					
Loblolly	Natural	Med	Low	Ext	UI	ALL	T25

Age	PWCarbon	STCarbon
26	9.4	2.31
27	9.66	3
28	9.8	3.79
29	9.81	4.73
30	9.83	5.62
31	9.85	6.47
32	9.88	7.32
33	9.9	8.12
34	9.83	9.02
35	9.76	9.85
36	9.7	10.7
37	9.64	11.48
38	9.59	12.22
39	9.54	12.94
40	9.5	13.63
41	9.47	14.31
42	9.44	14.95
43	9.41	15.55
44	9.39	16.15
45	9.35	16.72
46	9.31	17.27
47	9.28	17.82
48	9.24	18.34
49	9.21	18.83
50	9.17	19.3
51	9.14	19.76
52	9.11	20.18
53	9.08	20.59
54	9.06	21
55	9.05	21.38
56	9.03	21.74
57	9.01	22.1
58	8.96	22.48
59	8.92	22.84

Loblolly Age	Natural PWCarbon	Med STCarbon	Low	Ext	UI	ALL	T26
27	9.3	2.69					
28	9.46	3.44					
29	9.57	4.25					
30	9.5	5.24					
31	9.45	6.17					
32	9.42	7.05					
33	9.39	7.93					
34	9.37	8.76					
35	9.34	9.57					
36	9.27	10.41					
37	9.2	11.18					
38	9.15	11.98					
39	9.1	12.71					
40	9.05	13.4					
41	9.01	14.06					
42	8.97	14.7					
43	8.95	15.33					
44	8.92	15.92					
45	8.9	16.49					
46	8.86	17.04					
47	8.83	17.59					
48	8.8	18.1					
49	8.77	18.59					
50	8.74	19.05					
51	8.71	19.5					
52	8.69	19.95					
53	8.67	20.38					
54	8.65	20.78					
55	8.63	21.17					
56	8.62	21.54					
57	8.61	21.89					
58	8.59	22.23					
59	8.56	22.6					



Loblolly Age	Natural PWCarbon	Med STCarbon	Low	Ext	UI	ALL	T27
28	9.38	3.04					
29	9.47	3.87					
30	9.55	4.7					
31	9.44	5.73					
32	9.36	6.67					
33	9.3	7.59					
34	9.25	8.47					
35	9.21	9.3					
36	9.18	10.13					
37	9.13	10.92					
38	9.07	11.68					
39	9.01	12.42					
40	8.96	13.16					
41	8.92	13.85					
42	8.88	14.5					
43	8.85	15.11					
44	8.82	15.72					
45	8.8	16.29					
46	8.77	16.85					
47	8.73	17.4					
48	8.7	17.91					
49	8.67	18.4					
50	8.65	18.89					
51	8.62	19.35					
52	8.6	19.79					
53	8.58	20.2					
54	8.56	20.61					
55	8.54	20.98					
56	8.53	21.35					
57	8.52	21.71					
58	8.5	22.07					
59	8.46	22.43					

Loblolly Age	Natural PWCarbon	Med STCarbon	Low	Ext	UI	ALL	T28
29	9.14	3.53					
30	9.17	4.41					
31	9.21	5.29					
32	9.11	6.29					
33	9.02	7.24					
34	8.96	8.16					
35	8.9	9.02					
36	8.86	9.86					
37	8.82	10.66					
38	8.79	11.42					
39	8.75	12.18					
40	8.7	12.88					
41	8.66	13.58					
42	8.62	14.27					
43	8.59	14.9					
44	8.57	15.51					
45	8.55	16.09					
46	8.52	16.64					
47	8.49	17.19					
48	8.47	17.71					
49	8.44	18.2					
50	8.42	18.69					
51	8.4	19.15					
52	8.38	19.58					
53	8.36	20					
54	8.35	20.41					
55	8.34	20.81					
56	8.33	21.17					
57	8.33	21.54					
58	8.31	21.9					
59	8.28	22.24					

Loblolly Age	Natural PWCarbon	Med STCarbon	Low	Ext	UI	ALL	T29
30	8.96	4.01					
31	8.95	4.93					
32	8.95	5.84					
33	8.86	6.83					
34	8.77	7.79					
35	8.69	8.69					
36	8.63	9.57					
37	8.58	10.4					
38	8.54	11.18					
39	8.5	11.95					
40	8.47	12.67					
41	8.44	13.38					
42	8.4	14.03					
43	8.37	14.67					
44	8.35	15.31					
45	8.33	15.9					
46	8.31	16.47					
47	8.28	17.02					
48	8.26	17.54					
49	8.24	18.03					
50	8.22	18.52					
51	8.21	18.98					
52	8.19	19.41					
53	8.18	19.84					
54	8.16	20.25					
55	8.15	20.63					
56	8.15	20.99					
57	8.14	21.35					
58	8.12	21.71					
59	8.11	22.06					

Loblolly Age	Natural PWCarbon	Med STCarbon	Low	Ext	UI	ALL	T30
31	8.78	4.47					
32	8.73	5.44					
33	8.7	6.37					
34	8.61	7.36					
35	8.51	8.31					
36	8.43	9.21					
37	8.37	10.08					
38	8.31	10.89					
39	8.27	11.68					
40	8.23	12.42					
41	8.2	13.14					
42	8.18	13.83					
43	8.15	14.48					
44	8.13	15.08					
45	8.11	15.67					
46	8.09	16.27					
47	8.07	16.83					
48	8.05	17.36					
49	8.04	17.86					
50	8.02	18.34					
51	8.01	18.81					
52	8	19.24					
53	7.99	19.67					
54	7.98	20.07					
55	7.97	20.46					
56	7.96	20.84					
57	7.96	21.2					
58	7.95	21.56					
59	7.94	21.9					

Loblolly Age	Natural PWCarbon	Med STCarbon	Low	Ext	UI	ALL	T31
32	8.6	4.94					
33	8.49	5.95					
34	8.41	6.92					
35	8.32	7.9					
36	8.22	8.83					
37	8.15	9.72					
38	8.09	10.57					
39	8.04	11.36					
40	8	12.13					
41	7.96	12.85					
42	7.93	13.54					
43	7.91	14.2					
44	7.9	14.84					
45	7.89	15.44					
46	7.87	16					
47	7.86	16.55					
48	7.84	17.08					
49	7.83	17.6					
50	7.82	18.09					
51	7.82	18.56					
52	7.81	18.99					
53	7.81	19.41					
54	7.8	19.83					
55	7.8	20.21					
56	7.81	20.59					
57	7.8	20.95					
58	7.79	21.3					
59	7.78	21.64					

Loblolly Age	Natural PWCarbon	Med STCarbon	Low	Ext	UI	ALL	T32
33	8.36	5.44					
34	8.24	6.47					
35	8.15	7.45					
36	8.07	8.41					
37	7.98	9.33					
38	7.91	10.2					
39	7.86	11.03					
40	7.81	11.81					
41	7.78	12.56					
42	7.75	13.28					
43	7.73	13.94					
44	7.71	14.59					
45	7.7	15.18					
46	7.7	15.8					
47	7.68	16.36					
48	7.67	16.89					
49	7.66	17.39					
50	7.66	17.88					
51	7.65	18.34					
52	7.65	18.8					
53	7.65	19.23					
54	7.65	19.64					
55	7.65	20.02					
56	7.65	20.41					
57	7.65	20.77					
58	7.64	21.13					
59	7.63	21.49					

Loblolly Age	Natural PWCarbon	Med STCarbon	Low	Ext	UI	ALL	T33
34	8.12	5.93					
35	7.99	6.96					
36	7.9	7.94					
37	7.82	8.89					
38	7.74	9.8					
39	7.68	10.66					
40	7.63	11.48					
41	7.59	12.24					
42	7.56	12.97					
43	7.54	13.67					
44	7.52	14.33					
45	7.51	14.96					
46	7.5	15.56					
47	7.49	16.11					
48	7.49	16.69					
49	7.49	17.21					
50	7.48	17.7					
51	7.48	18.17					
52	7.48	18.62					
53	7.48	19.05					
54	7.48	19.47					
55	7.48	19.86					
56	7.49	20.25					
57	7.49	20.62					
58	7.48	20.97					
59	7.48	21.33					

Loblolly Age	Natural PWCarbon	Med STCarbon	Low	Ext	UI	ALL	T34
35	7.97	6.31					
36	7.84	7.35					
37	7.74	8.34					
38	7.67	9.29					
39	7.59	10.19					
40	7.53	11.04					
41	7.49	11.84					
42	7.46	12.61					
43	7.44	13.33					
44	7.42	14.01					
45	7.4	14.66					
46	7.39	15.27					
47	7.39	15.87					
48	7.39	16.41					
49	7.38	16.96					
50	7.38	17.48					
51	7.38	17.97					
52	7.38	18.43					
53	7.38	18.87					
54	7.39	19.29					
55	7.39	19.69					
56	7.4	20.08					
57	7.4	20.46					
58	7.39	20.82					
59	7.39	21.18					



Loblolly Age	Natural PWCarbon	Med STCarbon	Low	Ext	UI	ALL	T35
36	7.75	6.75					
37	7.61	7.8					
38	7.51	8.79					
39	7.44	9.74					
40	7.37	10.62					
41	7.32	11.46					
42	7.28	12.25					
43	7.26	12.99					
44	7.24	13.71					
45	7.23	14.37					
46	7.22	15.01					
47	7.22	15.62					
48	7.22	16.18					
49	7.22	16.74					
50	7.21	17.24					
51	7.22	17.75					
52	7.22	18.24					
53	7.23	18.69					
54	7.23	19.12					
55	7.24	19.53					
56	7.24	19.91					
57	7.25	20.3					
58	7.25	20.67					
59	7.25	21.03					





































































































































































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