

## Legacy Data Dictionary

Table 1: [Legacy Tree](#)

Table 2: [Legacy Locations](#)

Table 3: [Legacy Stem](#)

Table 4: [Legacy Section](#)

Table 5: [Legacy Disk](#)

Table 6: [Legacy Branch](#)

Table 7: [Legacy Core](#)

Appendix I: [Variable Components](#)

- AUTHOR + LOC + SPCD will link LEGACY TREE to LEGACY LOCATION table
- AUTHOR + LOC + SPCD + TREENO will link LEGACY TREE to LEGACY STEM, LEGACY SECTION, LEGACY DISK, LEGACY BRANCH, and LEGACY CORE tables

Table LEGACY TREE

No.	Column Name	Descriptive Name	Data Type
1	AUTHOR	Author	VARCHAR2
2	LOC	Location	VARCHAR2
3	SPCD	Species code	NUMBER(4,0)
4	TREENO	Tree number	VARCHAR2
5	CCLCD	Canopy/crown class	NUMBER(1,0)
6	CR_WID	Crown width	NUMBER(4,1)
7	SP_HT	Stump height	NUMBER(3,1)
8	ST_OB_D_BH	Diameter at breast height outside bark	NUMBER(4,1)
9	TR_HT	Total tree height	NUMBER(4,1)
10	ST_HT_BLC	Stem height at the lowest live branch	NUMBER(4,1)
11	ST_WD_DW	Stem wood dry weight	NUMBER(6,1)
12	ST_BK_DW	Stem bark dry weight	NUMBER(5,1)
13	ST_WDBK_DW	Stem wood and bark dry weight	NUMBER(6,1)
14	BRD_WDBK_DW	Dead branch wood and bark dry weight	NUMBER(4,1)
15	BRL_WDBK_DW	Live branch wood and bark dry weight	NUMBER(5,1)
16	BRT_WDBK_DW	Live and dead branch wood and bark dry weight	NUMBER(5,1)
17	TT_WDBK_DW	Total tree wood and bark dry weight	NUMBER(7,1)
18	FOL_DW	Foliage dry weight	NUMBER(5,1)
19	AS_DW	Above-stump dry weight	NUMBER(7,1)
20	SP_WDBK_DW	Stump wood and bark dry weight	NUMBER(4,1)
21	AG_DW	Above-ground dry weight	NUMBER(5,1)
22	TR_ORIGIN	Tree origin	NUMBER(1,0)

23	ST_TEMP	Drying temperature	NUMBER(3,0)
24	ST_D_GL	Diameter at ground-line	NUMBER(4,1)
25	ST_D_MIN	Minimum upper stem diameter.	NUMBER(3,1)
26	ST_BLC_D	Diameter at base of live crown/lowest live limb	NUMBER(3,1)
27	CR_DW	Crown dry weight	NUMBER(5,1)
28	ST_METH	Stem sampling method	NUMBER(1,0)
29	BR_METH	Branch sampling method	NUMBER(1,0)
30	FOL_METH	Foliage sampling method	NUMBER(1,0)
31	REGION	Geographic region	VARCHAR2
32	IND	Miscellaneous Indicator	NUMBER(1,0)
33	ST_WD_GW	Stem wood green weight	NUMBER(6,1)
34	ST_BK_GW	Stem bark green weight	NUMBER(5,1)
35	ST_WDBK_GW	Stem wood and bark green weight	NUMBER(6,1)
36	BRD_WDBK_GW	Dead branch wood and bark green weight	NUMBER(4,1)
37	BRL_WDBK_GW	Live branch wood and bark green weight	NUMBER(5,1)
38	BRT_WDBK_GW	Live and dead branch wood and bark green weight	NUMBER(5,1)
39	TT_WDBK_GW	Total tree wood and bark green weight	NUMBER(6,1)
40	FOL_GW	Foliage green weight	NUMBER(4,1)
41	CR_GW	Crown green weight	NUMBER(5,1)
42	AS_GW	Above-stump green weight	NUMBER(6,1)
43	AG_GW	Above-ground green weight	NUMBER(6,1)
44	ST_WD_MC	Stem wood moisture content	NUMBER(4,1)
45	ST_BK_MC	Stem bark moisture content	NUMBER(5,1)
46	ST_WDBK_MC	Stem wood and bark moisture content	NUMBER(4,1)
47	BRD_WDBK_MC	Dead branch wood and bark moisture content	NUMBER(4,1)
48	BRL_WDBK_MC	Live branch wood and bark moisture content	NUMBER(4,1)
49	BRT_WDBK_MC	Live and dead branch wood and bark moisture content	NUMBER(5,1)
50	TT_WDBK_MC	Total tree wood and bark moisture content	NUMBER(4,1)
51	FOL_MC	Foliage moisture content	NUMBER(4,1)
52	AS_MC	Above-stump moisture content	NUMBER(4,1)
53	CR_MC	Crown moisture content	NUMBER(4,1)
54	AG_MC	Above-ground moisture content	NUMBER(5,1)
55	ST_WD_SG	Stem wood specific gravity	NUMBER(2,1)
56	ST_BK_SG	Stem bark specific gravity	NUMBER(2,1)
57	ST_WDBK_SG	Stem wood and bark specific gravity	NUMBER(2,1)
58	BRD_WDBK_SG	Dead branch specific gravity	NUMBER(2,1)
59	BRL_WDBK_SG	Live branch wood and bark specific gravity	NUMBER(2,1)
60	BRT_WDBK_SG	Live and dead branch specific gravity	NUMBER(2,1)
61	TT_WDBK_SG	Total tree wood and bark specific gravity	NUMBER(2,1)

62	ST_BK_FR	Stem bark fraction	NUMBER(2,1)
63	BRL_BK_FR	Live branch bark fraction	NUMBER(2,1)
64	TT_BK_FR	Total tree bark fraction	NUMBER(3,1)
65	TR_AGE	Tree age	NUMBER(4,1)
66	FOL_AR	Foliage surface area	NUMBER(6,1)
67	FOL_AR_BOT	Bottom third of crown foliage surface area	NUMBER(5,1)
68	FOL_AR_MID	Middle third of crown foliage surface area	NUMBER(5,1)
69	FOL_AR_TOP	Top third of crown foliage surface area	NUMBER(5,1)
70	ST_WD_AR	Stem wood surface area	NUMBER(5,1)
71	ST_WDBK_AR	Stem wood and bark surface area	NUMBER(4,1)
72	STD_BAPA_INIT	Initial basal area per acre	NUMBER(2,0)
73	STD_BAPA_PRES	Present basal area per acre	NUMBER(2,0)
74	BRD_WDBK_CV	Dead branch wood and bark cubic-foot volume	NUMBER(3,1)
75	BRL_BK_CV	Live branch bark cubic-foot volume	NUMBER(4,1)
76	BRL_BK_CV_LG	Large live branch bark cubic-foot volume	NUMBER(2,1)
77	BRL_BK_CV_MD	Medium live branch bark cubic-foot volume	NUMBER(3,1)
78	BRL_BK_CV_SM	Small live branch bark cubic-foot volume	NUMBER(2,1)
79	BRL_BK_CV_XL	Extra-large live branch bark cubic-foot volume	NUMBER(2,1)
80	BRL_WD_CV	Live branch wood cubic-foot volume	NUMBER(4,1)
81	BRL_WD_CV_LG	Large live branch wood cubic-foot volume	NUMBER(3,1)
82	BRL_WD_CV_MD	Medium live branch wood cubic-foot volume	NUMBER(3,1)
83	BRL_WD_CV_SM	Small live branch wood cubic-foot volume	NUMBER(3,1)
84	BRL_WD_CV_XL	Extra-large live branch wood cubic-foot volume	NUMBER(3,1)
85	BRL_WDBK_CV	Live branch wood and bark cubic-foot volume	NUMBER(4,1)
86	BRL_WDBK_CV_LG	Large live branch wood and bark cubic-foot volume	NUMBER(3,1)
87	BRL_WDBK_CV_MD	Medium live branch wood and bark cubic-foot volume	NUMBER(3,1)
88	BRL_WDBK_CV_SM	Small live branch wood and bark cubic-foot volume	NUMBER(3,1)
89	BRL_WDBK_CV_XL	Extra-large live branch wood and bark cubic-foot volume	NUMBER(3,1)
90	RT_WD_CV	Root wood cubic-foot volume	NUMBER(2,1)
91	ST_BK_CV	Stem bark cubic-foot volume	NUMBER(3,1)
92	ST_BK_CV_1	Stem bark cubic-foot volume to a 1-inch top	NUMBER(3,1)
93	ST_BK_CV_10	Stem bark cubic-foot volume to a 10-inch top	NUMBER(3,1)
94	ST_BK_CV_11	Stem bark cubic-foot volume to an 11-inch top	NUMBER(2,1)
95	ST_BK_CV_2	Stem bark cubic-foot volume to a 2-inch top	NUMBER(4,1)
96	ST_BK_CV_4	Stem bark cubic-foot volume to a 4-inch top	NUMBER(4,1)
97	ST_BK_CV_6	Stem bark cubic-foot volume to a 6-inch top	NUMBER(2,1)
98	ST_BK_CV_7	Stem bark cubic-foot volume to a 7-inch top	NUMBER(3,1)
99	ST_BK_CV_8	Stem bark cubic-foot volume to an 8-inch top	NUMBER(3,1)
100	ST_BK_CV_9	Stem bark cubic-foot volume to a 9-inch top	NUMBER(4,1)

101	ST_BK_CV_MR	Stem bark cubic-foot volume to the merchantable top	NUMBER(3,1)
102	ST_WD_CV	Stem wood cubic-foot volume	NUMBER(4,1)
103	ST_WD_CV_1	Stem wood cubic-foot volume to a 1-inch top	NUMBER(3,1)
104	ST_WD_CV_10	Stem wood cubic-foot volume to a 10-inch top	NUMBER(3,1)
105	ST_WD_CV_11	Stem wood cubic-foot volume to an 11-inch top	NUMBER(3,1)
106	ST_WD_CV_2	Stem wood cubic-foot volume to a 2-inch top	NUMBER(5,1)
107	ST_WD_CV_3	Stem wood cubic-foot volume to a 3-inch top	NUMBER(6,1)
108	ST_WD_CV_4	Stem wood cubic-foot volume to a 4-inch top	NUMBER(5,1)
109	ST_WD_CV_6	Stem wood cubic-foot volume to a 6-inch top	NUMBER(3,1)
110	ST_WD_CV_7	Stem wood cubic-foot volume to a 7-inch top	NUMBER(4,1)
111	ST_WD_CV_8	Stem wood cubic-foot volume to an 8-inch top	NUMBER(3,1)
112	ST_WD_CV_9	Stem wood cubic-foot volume to a 9-inch top	NUMBER(5,1)
113	ST_WD_CV_MR	Stem wood cubic-foot volume to the merchantable top	NUMBER(4,1)
114	ST_WDBK_CV	Stem wood and bark cubic-foot volume	NUMBER(4,1)
115	ST_WDBK_CV_1	Stem wood and bark cubic-foot volume to a 1-inch top	NUMBER(3,1)
116	ST_WDBK_CV_10	Stem wood and bark cubic-foot volume to a 10-inch top	NUMBER(3,1)
117	ST_WDBK_CV_11	Stem wood and bark cubic-foot volume to an 11-inch top	NUMBER(3,1)
118	ST_WDBK_CV_2	Stem wood and bark cubic-foot volume to a 2-inch top	NUMBER(5,1)
119	ST_WDBK_CV_3	Stem wood and bark cubic-foot volume to a 3-inch top	NUMBER(6,1)
120	ST_WDBK_CV_4	Stem wood and bark cubic-foot volume to a 4-inch top	NUMBER(5,1)
121	ST_WDBK_CV_6	Stem wood and bark cubic-foot volume to a 6-inch top	NUMBER(3,1)
122	ST_WDBK_CV_7	Stem wood and bark cubic-foot volume to a 7-inch top	NUMBER(4,1)
123	ST_WDBK_CV_8	Stem wood and bark cubic-foot volume to an 8-inch top	NUMBER(3,1)
124	ST_WDBK_CV_9	Stem wood and bark cubic-foot volume to a 9-inch top	NUMBER(5,1)
125	ST_WDBK_CV_MR	Stem wood and bark cubic-foot volume to the merchantable top	NUMBER(4,1)
126	TP_BK_CV_1	Top bark cubic-foot volume from a 1-inch top	NUMBER(2,1)
127	TP_BK_CV_10	Top bark cubic-foot volume from a 10-inch top	NUMBER(2,1)
128	TP_BK_CV_11	Top bark cubic-foot volume from an 11-inch top	NUMBER(2,1)
129	TP_BK_CV_2	Top bark cubic-foot volume from a 2-inch top	NUMBER(3,1)
130	TP_BK_CV_4	Top bark cubic-foot volume from a 4-inch top	NUMBER(3,1)
131	TP_BK_CV_6	Top bark cubic-foot volume from a 6-inch top	NUMBER(3,1)
132	TP_BK_CV_7	Top bark cubic-foot volume from a 7-inch top	NUMBER(2,1)
133	TP_BK_CV_8	Top bark cubic-foot volume from an 8-inch top	NUMBER(3,1)
134	TP_BK_CV_9	Top bark cubic-foot volume from a 9-inch top	NUMBER(2,1)
135	TP_BK_CV_MR	Top bark cubic-foot volume from a merchantable top	NUMBER(3,1)
136	TP_WD_CV_1	Top wood cubic-foot volume from a 1-inch top	NUMBER(2,1)
137	TP_WD_CV_10	Top wood cubic-foot volume from a 10-inch top	NUMBER(3,1)
138	TP_WD_CV_11	Top wood cubic-foot volume from an 11-inch top	NUMBER(2,1)
139	TP_WD_CV_2	Top wood cubic-foot volume from a 2-inch top	NUMBER(3,1)

140	TP_WD_CV_4	Top wood cubic-foot volume from a 4-inch top	NUMBER(3,1)
141	TP_WD_CV_6	Top wood cubic-foot volume from a 6-inch top	NUMBER(3,1)
142	TP_WD_CV_7	Top wood cubic-foot volume from a 7-inch top	NUMBER(4,1)
143	TP_WD_CV_8	Top wood cubic-foot volume from an 8-inch top	NUMBER(3,1)
144	TP_WD_CV_9	Top wood cubic-foot volume from a 9-inch top	NUMBER(3,1)
145	TP_WD_CV_MR	Top wood cubic-foot volume from a merchantable top	NUMBER(4,1)
146	TP_WDBK_CV_1	Top wood and bark cubic-foot volume from a 1-inch top	NUMBER(2,1)
147	TP_WDBK_CV_10	Top wood and bark cubic-foot volume from a 10-inch top	NUMBER(3,1)
148	TP_WDBK_CV_11	Top wood and bark cubic-foot volume from an 11-inch top	NUMBER(3,1)
149	TP_WDBK_CV_2	Top wood and bark cubic-foot volume from a 2-inch top	NUMBER(3,1)
150	TP_WDBK_CV_4	Top wood and bark cubic-foot volume from a 4-inch top	NUMBER(3,1)
151	TP_WDBK_CV_6	Top wood and bark cubic-foot volume from a 6-inch top	NUMBER(3,1)
152	TP_WDBK_CV_7	Top wood and bark cubic-foot volume from a 7-inch top	NUMBER(4,1)
153	TP_WDBK_CV_8	Top wood and bark cubic-foot volume from an 8-inch top	NUMBER(4,1)
154	TP_WDBK_CV_9	Top wood and bark cubic-foot volume from a 9-inch top	NUMBER(3,1)
155	TP_WDBK_CV_MR	Top wood and bark cubic-foot volume from a merchantable top	NUMBER(4,1)
156	TT_BK_CV	Total tree bark cubic-foot volume	NUMBER(4,1)
157	TT_WD_CV	Total tree wood cubic-foot volume	NUMBER(4,1)
158	TT_WDBK_CV	Total tree wood and bark cubic-foot volume	NUMBER(4,1)
159	SP_OB_D	Stump diameter	NUMBER(3,1)
160	ST_IB_D_BH	Diameter at breast height inside bark	NUMBER(4,1)
161	ST_OB_D_17	Diameter at 17.3 feet	NUMBER(3,1)
162	ST_OB_D_MR	Merchantable diameter	NUMBER(3,1)
163	ST_OB_D_MS	Middle stem diameter	NUMBER(3,1)
164	BRL_BK_DW	Live branch bark dry weight	NUMBER(4,1)
165	BRL_BK_DW_LG	Large live branch bark dry weight	NUMBER(4,1)
166	BRL_BK_DW_MD	Medium live branch bark dry weight	NUMBER(4,1)
167	BRL_BK_DW_SM	Small live branch bark dry weight	NUMBER(4,1)
168	BRL_BK_DW_XL	Extra-large live branch bark dry weight	NUMBER(4,1)
169	BRL_WD_DW	Live branch wood dry weight	NUMBER(5,1)
170	BRL_WD_DW_LG	Large live branch wood dry weight	NUMBER(4,1)
171	BRL_WD_DW_MD	Medium live branch wood dry weight	NUMBER(4,1)
172	BRL_WD_DW_SM	Small live branch wood dry weight	NUMBER(4,1)
173	BRL_WD_DW_XL	Extra-large live branch wood dry weight	NUMBER(5,1)
174	BRL_WDBK_DW_BOT	Bottom third of crown wood and bark dry weight	NUMBER(5,1)
175	BRL_WDBK_DW_LG	Large live branch wood and bark dry weight	NUMBER(5,1)
176	BRL_WDBK_DW_MD	Medium live branch wood and bark dry weight	NUMBER(4,1)
177	BRL_WDBK_DW_MID	Middle third of crown wood and bark dry weight	NUMBER(4,1)
178	BRL_WDBK_DW_SM	Small live branch wood and bark dry weight	NUMBER(4,1)

179	BRL_WDBK_DW_TOP	Top third of crown wood and bark dry weight	NUMBER(4,1)
180	BRL_WDBK_DW_XL	Extra-large live branch wood and bark dry weight	NUMBER(5,1)
181	CT_DW	Complete tree dry weight	NUMBER(6,1)
182	FOL_DW_BOT	Bottom third of crown foliage dry weight	NUMBER(3,1)
183	FOL_DW_MID	Middle third of crown foliage dry weight	NUMBER(3,1)
184	FOL_DW_NEW	New foliage dry weight	NUMBER(3,1)
185	FOL_DW_OLD	Old foliage dry weight	NUMBER(3,1)
186	FOL_DW_TOP	Top third of crown foliage dry weight	NUMBER(3,1)
187	RT_BK_DW	Root bark dry weight	NUMBER(3,1)
188	RT_WD_DW	Root wood dry weight	NUMBER(4,1)
189	RT_WDBK_DW	Root wood and bark dry weight	NUMBER(9,1)
190	RT_WDBK_DW_LG	Large root wood and bark dry weight	NUMBER(4,1)
191	RT_WDBK_DW_SM	Small root wood and bark dry weight	NUMBER(4,1)
192	ST_BK_DW_1	Stem bark dry weight to a 1-inch top	NUMBER(5,1)
193	ST_BK_DW_10	Stem bark dry weight to a 10-inch top	NUMBER(1,1)
194	ST_BK_DW_11	Stem bark dry weight to an 11-inch top	NUMBER(1,1)
195	ST_BK_DW_2	Stem bark dry weight to a 2-inch top	NUMBER(4,1)
196	ST_BK_DW_4	Stem bark dry weight to a 4-inch top	NUMBER(4,1)
197	ST_BK_DW_6	Stem bark dry weight to a 6-inch top	NUMBER(4,1)
198	ST_BK_DW_7	Stem bark dry weight to a 7-inch top	NUMBER(4,1)
199	ST_BK_DW_8	Stem bark dry weight to an 8-inch top	NUMBER(1,1)
200	ST_BK_DW_9	Stem bark dry weight to a 9-inch top	NUMBER(4,1)
201	ST_BK_DW_MR	Stem bark dry weight to the merchantable top	NUMBER(4,1)
202	ST_WD_DW_1	Stem wood dry weight to a 1-inch top	NUMBER(5,1)
203	ST_WD_DW_10	Stem wood dry weight to a 10-inch top	NUMBER(1,1)
204	ST_WD_DW_11	Stem wood dry weight to an 11-inch top	NUMBER(1,1)
205	ST_WD_DW_2	Stem wood dry weight to a 2-inch top	NUMBER(5,1)
206	ST_WD_DW_3	Stem wood dry weight to a 3-inch top	NUMBER(6,1)
207	ST_WD_DW_4	Stem wood dry weight to a 4-inch top	NUMBER(6,1)
208	ST_WD_DW_6	Stem wood dry weight to a 6-inch top	NUMBER(5,1)
209	ST_WD_DW_7	Stem wood dry weight to a 7-inch top	NUMBER(5,1)
210	ST_WD_DW_8	Stem wood dry weight to an 8-inch top	NUMBER(1,1)
211	ST_WD_DW_9	Stem wood dry weight to a 9-inch top	NUMBER(5,1)
212	ST_WD_DW_MR	Stem wood dry weight to the merchantable top	NUMBER(5,1)
213	ST_WDBK_DW_1	Stem wood and bark dry weight to a 1-inch top	NUMBER(5,1)
214	ST_WDBK_DW_10	Stem wood and bark dry weight to a 10-inch top	NUMBER(5,1)
215	ST_WDBK_DW_11	Stem wood and bark dry weight to an 11-inch top	NUMBER(5,1)
216	ST_WDBK_DW_2	Stem wood and bark dry weight to a 2-inch top	NUMBER(5,1)
217	ST_WDBK_DW_4	Stem wood and bark dry weight to a 4-inch top	NUMBER(5,1)

218	ST_WDBK_DW_6	Stem wood and bark dry weight to a 6-inch top	NUMBER(5,1)
219	ST_WDBK_DW_7	Stem wood and bark dry weight to a 7-inch top	NUMBER(5,1)
220	ST_WDBK_DW_8	Stem wood and bark dry weight to an 8-inch top	NUMBER(5,1)
221	ST_WDBK_DW_9	Stem wood and bark dry weight to a 9-inch top	NUMBER(5,1)
222	ST_WDBK_DW_MR	Stem wood and bark dry weight to the merchantable top	NUMBER(5,1)
223	TP_BK_DW	Top bark dry weight	NUMBER(2,1)
224	TP_BK_DW_1	Top bark dry weight from a 1-inch top	NUMBER(2,1)
225	TP_BK_DW_10	Top bark dry weight from a 10-inch top	NUMBER(2,1)
226	TP_BK_DW_11	Top bark dry weight from an 11-inch top	NUMBER(2,1)
227	TP_BK_DW_2	Top bark dry weight from a 2-inch top	NUMBER(4,1)
228	TP_BK_DW_4	Top bark dry weight from a 4-inch top	NUMBER(9,1)
229	TP_BK_DW_6	Top bark dry weight from a 6-inch top	NUMBER(4,1)
230	TP_BK_DW_7	Top bark dry weight from a 7-inch top	NUMBER(4,1)
231	TP_BK_DW_8	Top bark dry weight from an 8-inch top	NUMBER(2,1)
232	TP_BK_DW_9	Top bark dry weight from a 9-inch top	NUMBER(5,1)
233	TP_BK_DW_MR	Top bark dry weight from a merchantable top	NUMBER(5,1)
234	TP_WD_DW	Top wood dry weight	NUMBER(1,1)
235	TP_WD_DW_1	Top wood dry weight from a 1-inch top	NUMBER(2,1)
236	TP_WD_DW_10	Top wood dry weight from a 10-inch top	NUMBER(2,1)
237	TP_WD_DW_11	Top wood dry weight from an 11-inch top	NUMBER(2,1)
238	TP_WD_DW_2	Top wood dry weight from a 2-inch top	NUMBER(4,1)
239	TP_WD_DW_4	Top wood dry weight from a 4-inch top	NUMBER(5,1)
240	TP_WD_DW_6	Top wood dry weight from a 6-inch top	NUMBER(5,1)
241	TP_WD_DW_7	Top wood dry weight from a 7-inch top	NUMBER(5,1)
242	TP_WD_DW_8	Top wood dry weight from an 8-inch top	NUMBER(2,1)
243	TP_WD_DW_9	Top wood dry weight from a 9-inch top	NUMBER(5,1)
244	TP_WD_DW_MR	Top wood dry weight from a merchantable top	NUMBER(6,1)
245	TP_WDBK_DW	Top wood and bark dry weight	NUMBER(4,1)
246	TP_WDBK_DW_1	Top wood and bark dry weight from a 1-inch top	NUMBER(2,1)
247	TP_WDBK_DW_10	Top wood and bark dry weight from a 10-inch top	NUMBER(5,1)
248	TP_WDBK_DW_11	Top wood and bark dry weight from an 11-inch top	NUMBER(4,1)
249	TP_WDBK_DW_2	Top wood and bark dry weight from a 2-inch top	NUMBER(4,1)
250	TP_WDBK_DW_4	Top wood and bark dry weight from a 4-inch top	NUMBER(5,1)
251	TP_WDBK_DW_6	Top wood and bark dry weight from a 6-inch top	NUMBER(5,1)
252	TP_WDBK_DW_7	Top wood and bark dry weight from a 7-inch top	NUMBER(5,1)
253	TP_WDBK_DW_8	Top wood and bark dry weight from an 8-inch top	NUMBER(5,1)
254	TP_WDBK_DW_9	Top wood and bark dry weight from a 9-inch top	NUMBER(5,1)
255	TP_WDBK_DW_MR	Top wood and bark dry weight from a merchantable top	NUMBER(6,1)
256	TT_BK_DW	Total tree bark dry weight	NUMBER(5,1)

257	TT_WD_DW	Total tree wood dry weight	NUMBER(5,1)
258	TW_DW_NEW	New twig dry weight	NUMBER(2,1)
259	TW_DW_OLD	Old twig dry weight	NUMBER(4,1)
260	TWFOL_DW	Twig and foliage dry weight	NUMBER(4,1)
261	ST_FC	Form class	NUMBER(3,1)
262	BRL_BK_GW	Live branch bark green weight	NUMBER(5,1)
263	BRL_BK_GW_LG	Large live branch bark green weight	NUMBER(4,1)
264	BRL_BK_GW_MD	Medium live branch bark green weight	NUMBER(4,1)
265	BRL_BK_GW_SM	Small live branch bark green weight	NUMBER(4,1)
266	BRL_BK_GW_XL	Extra-large live branch bark green weight	NUMBER(4,1)
267	BRL_WD_GW	Live branch wood green weight	NUMBER(5,1)
268	BRL_WD_GW_LG	Large live branch wood green weight	NUMBER(5,1)
269	BRL_WD_GW_MD	Medium live branch wood green weight	NUMBER(5,1)
270	BRL_WD_GW_SM	Small live branch wood green weight	NUMBER(4,1)
271	BRL_WD_GW_XL	Extra-large live branch wood green weight	NUMBER(5,1)
272	BRL_WDBK_GW_LG	Large live branch wood and bark green weight	NUMBER(5,1)
273	BRL_WDBK_GW_MD	Medium live branch wood and bark green weight	NUMBER(5,1)
274	BRL_WDBK_GW_SM	Small live branch wood and bark green weight	NUMBER(4,1)
275	BRL_WDBK_GW_XL	Extra-large live branch wood and bark green weight	NUMBER(5,1)
276	CT_GW	Complete tree green weight	NUMBER(2,1)
277	RT_BK_GW	Root bark green weight	NUMBER(3,1)
278	RT_WD_GW	Root wood green weight	NUMBER(4,1)
279	RT_WDBK_GW	Root wood and bark green weight	NUMBER(4,1)
280	RT_WDBK_GW_LG	Large root wood and bark green weight	NUMBER(4,1)
281	RT_WDBK_GW_SM	Small root wood and bark green weight	NUMBER(4,1)
282	ST_BK_GW_1	Stem bark green weight to a 1-inch top	NUMBER(4,1)
283	ST_BK_GW_10	Stem bark green weight to a 10-inch top	NUMBER(4,1)
284	ST_BK_GW_11	Stem bark green weight to an 11-inch top	NUMBER(4,1)
285	ST_BK_GW_2	Stem bark green weight to a 2-inch top	NUMBER(5,1)
286	ST_BK_GW_4	Stem bark green weight to a 4-inch top	NUMBER(5,1)
287	ST_BK_GW_6	Stem bark green weight to a 6-inch top	NUMBER(4,1)
288	ST_BK_GW_7	Stem bark green weight to a 7-inch top	NUMBER(5,1)
289	ST_BK_GW_8	Stem bark green weight to an 8-inch top	NUMBER(4,1)
290	ST_BK_GW_9	Stem bark green weight to a 9-inch top	NUMBER(5,1)
291	ST_BK_GW_MR	Stem bark green weight to the merchantable top	NUMBER(5,1)
292	ST_WD_GW_1	Stem wood green weight to a 1-inch top	NUMBER(5,1)
293	ST_WD_GW_10	Stem wood green weight to a 10-inch top	NUMBER(5,1)
294	ST_WD_GW_11	Stem wood green weight to an 11-inch top	NUMBER(5,1)
295	ST_WD_GW_2	Stem wood green weight to a 2-inch top	NUMBER(6,1)



296	ST_WD_GW_3	Stem wood green weight to a 3-inch top	NUMBER(5,1)
297	ST_WD_GW_4	Stem wood green weight to a 4-inch top	NUMBER(6,1)
298	ST_WD_GW_6	Stem wood green weight to a 6-inch top	NUMBER(5,1)
299	ST_WD_GW_7	Stem wood green weight to a 7-inch top	NUMBER(5,1)
300	ST_WD_GW_8	Stem wood green weight to an 8-inch top	NUMBER(5,1)
301	ST_WD_GW_9	Stem wood green weight to a 9-inch top	NUMBER(5,1)
302	ST_WD_GW_MR	Stem wood green weight to the merchantable top	NUMBER(5,1)
303	ST_WDBK_GW_1	Stem wood and bark green weight to a 1-inch top	NUMBER(5,1)
304	ST_WDBK_GW_10	Stem wood and bark green weight to a 10-inch top	NUMBER(3,1)
305	ST_WDBK_GW_11	Stem wood and bark green weight to an 11-inch top	NUMBER(3,1)
306	ST_WDBK_GW_2	Stem wood and bark green weight to a 2-inch top	NUMBER(6,1)
307	ST_WDBK_GW_3	Stem wood and bark green weight to a 3-inch top	NUMBER(5,1)
308	ST_WDBK_GW_4	Stem wood and bark green weight to a 4-inch top	NUMBER(6,1)
309	ST_WDBK_GW_6	Stem wood and bark green weight to a 6-inch top	NUMBER(5,1)
310	ST_WDBK_GW_7	Stem wood and bark green weight to a 7-inch top	NUMBER(5,1)
311	ST_WDBK_GW_8	Stem wood and bark green weight to an 8-inch top	NUMBER(5,1)
312	ST_WDBK_GW_9	Stem wood and bark green weight to a 9-inch top	NUMBER(5,1)
313	ST_WDBK_GW_MR	Stem wood and bark green weight to the merchantable top	NUMBER(6,1)
314	TP_BK_GW	Top bark green weight	NUMBER(2,1)
315	TP_BK_GW_1	Top bark green weight from a 1-inch top	NUMBER(2,1)
316	TP_BK_GW_10	Top bark green weight from a 10-inch top	NUMBER(4,1)
317	TP_BK_GW_11	Top bark green weight from an 11-inch top	NUMBER(4,1)
318	TP_BK_GW_2	Top bark green weight from a 2-inch top	NUMBER(4,1)
319	TP_BK_GW_4	Top bark green weight from a 4-inch top	NUMBER(5,1)
320	TP_BK_GW_6	Top bark green weight from a 6-inch top	NUMBER(4,1)
321	TP_BK_GW_7	Top bark green weight from a 7-inch top	NUMBER(5,1)
322	TP_BK_GW_8	Top bark green weight from an 8-inch top	NUMBER(6,1)
323	TP_BK_GW_9	Top bark green weight from a 9-inch top	NUMBER(5,1)
324	TP_BK_GW_MR	Top bark green weight from a merchantable top	NUMBER(5,1)
325	TP_WD_GW	Top wood green weight	NUMBER(2,1)
326	TP_WD_GW_1	Top wood green weight from a 1-inch top	NUMBER(2,1)
327	TP_WD_GW_10	Top wood green weight from a 10-inch top	NUMBER(5,1)
328	TP_WD_GW_11	Top wood green weight from an 11-inch top	NUMBER(5,1)
329	TP_WD_GW_2	Top wood green weight from a 2-inch top	NUMBER(4,1)
330	TP_WD_GW_4	Top wood green weight from a 4-inch top	NUMBER(5,1)
331	TP_WD_GW_6	Top wood green weight from a 6-inch top	NUMBER(5,1)
332	TP_WD_GW_7	Top wood green weight from a 7-inch top	NUMBER(6,1)
333	TP_WD_GW_8	Top wood green weight from an 8-inch top	NUMBER(5,1)
334	TP_WD_GW_9	Top wood green weight from a 9-inch top	NUMBER(6,1)

335	TP_WD_GW_MR	Top wood green weight from a merchantable top	NUMBER(6,1)
336	TP_WDBK_GW	Top wood and bark green weight	NUMBER(3,1)
337	TP_WDBK_GW_1	Top wood and bark green weight from a 1-inch top	NUMBER(2,1)
338	TP_WDBK_GW_10	Top wood and bark green weight from a 10-inch top	NUMBER(5,1)
339	TP_WDBK_GW_11	Top wood and bark green weight from an 11-inch top	NUMBER(3,1)
340	TP_WDBK_GW_2	Top wood and bark green weight from a 2-inch top	NUMBER(4,1)
341	TP_WDBK_GW_4	Top wood and bark green weight from a 4-inch top	NUMBER(6,1)
342	TP_WDBK_GW_6	Top wood and bark green weight from a 6-inch top	NUMBER(5,1)
343	TP_WDBK_GW_7	Top wood and bark green weight from a 7-inch top	NUMBER(5,1)
344	TP_WDBK_GW_8	Top wood and bark green weight from an 8-inch top	NUMBER(6,1)
345	TP_WDBK_GW_9	Top wood and bark green weight from a 9-inch top	NUMBER(6,1)
346	TP_WDBK_GW_MR	Top wood and bark green weight from a merchantable top	NUMBER(6,1)
347	TT_BK_GW	Total tree bark green weight	NUMBER(5,1)
348	TT_WD_GW	Total tree wood green weight	NUMBER(6,1)
349	TWFOL_GW	Twig and foliage green weight	NUMBER(4,1)
350	ST_HT_1	Stem height to a 1-inch top	NUMBER(4,1)
351	ST_HT_10	Stem height to a 10-inch top	NUMBER(4,1)
352	ST_HT_11	Stem height to an 11-inch top	NUMBER(4,1)
353	ST_HT_2	Stem height to a 2-inch top	NUMBER(4,1)
354	ST_HT_3	Stem height to a 3-inch top	NUMBER(4,1)
355	ST_HT_4	Stem height to a 4-inch top	NUMBER(4,1)
356	ST_HT_6	Stem height to a 6-inch top	NUMBER(4,1)
357	ST_HT_7	Stem height to a 7-inch top	NUMBER(4,1)
358	ST_HT_8	Stem height to an 8-inch top	NUMBER(4,1)
359	ST_HT_9	Stem height to a 9-inch top	NUMBER(4,1)
360	ST_HT_MR	Merchantable stem height	NUMBER(3,1)
361	ST_HT_TOP	Stem height to a top diameter limit	NUMBER(5,1)
362	BRL_BK_MC	Live branch bark moisture content	NUMBER(4,1)
363	BRL_BK_MC_LG	Large live branch bark moisture content	NUMBER(4,1)
364	BRL_BK_MC_MD	Medium live branch bark moisture content	NUMBER(4,1)
365	BRL_BK_MC_SM	Small live branch bark moisture content	NUMBER(4,1)
366	BRL_BK_MC_XL	Extra-large live branch bark moisture content	NUMBER(4,1)
367	BRL_WD_MC	Live branch wood moisture content	NUMBER(4,1)
368	BRL_WD_MC_LG	Large live branch wood moisture content	NUMBER(4,1)
369	BRL_WD_MC_MD	Medium live branch wood moisture content	NUMBER(4,1)
370	BRL_WD_MC_SM	Small live branch wood moisture content	NUMBER(4,1)
371	BRL_WD_MC_XL	Extra-large live branch wood moisture content	NUMBER(4,1)
372	BRL_WDBK_MC_LG	Large live branch wood and bark moisture content	NUMBER(4,1)
373	BRL_WDBK_MC_MD	Medium live branch wood and bark moisture content	NUMBER(4,1)

374	BRL_WDBK_MC_SM	Small live branch wood and bark moisture content	NUMBER(4,1)
375	BRL_WDBK_MC_XL	Extra-large live branch wood and bark moisture content	NUMBER(4,1)
376	RT_BK_MC	Root bark moisture content	NUMBER(4,1)
377	RT_WD_MC	Root wood moisture content	NUMBER(4,1)
378	RT_WDBK_MC	Root wood and bark moisture content	NUMBER(4,1)
379	ST_BK_MC_1	Stem bark moisture content to a 1-inch top	NUMBER(3,1)
380	ST_BK_MC_10	Stem bark moisture content to a 10-inch top	NUMBER(1,1)
381	ST_BK_MC_11	Stem bark moisture content to an 11-inch top	NUMBER(1,1)
382	ST_BK_MC_2	Stem bark moisture content to a 2-inch top	NUMBER(4,1)
383	ST_BK_MC_4	Stem bark moisture content to a 4-inch top	NUMBER(4,1)
384	ST_BK_MC_42	Stem bark moisture content from a 4-inch top to a 2-inch top	NUMBER(4,1)
385	ST_BK_MC_6	Stem bark moisture content to a 6-inch top	NUMBER(4,1)
386	ST_BK_MC_7	Stem bark moisture content to a 7-inch top	NUMBER(4,1)
387	ST_BK_MC_8	Stem bark moisture content to an 8-inch top	NUMBER(1,1)
388	ST_BK_MC_9	Stem bark moisture content to a 9-inch top	NUMBER(4,1)
389	ST_BK_MC_94	Stem bark moisture content from a 9-inch top to a 4-inch top	NUMBER(4,1)
390	ST_WD_MC_1	Stem wood moisture content to a 1-inch top	NUMBER(4,1)
391	ST_WD_MC_10	Stem wood moisture content to a 10-inch top	NUMBER(1,1)
392	ST_WD_MC_11	Stem wood moisture content to an 11-inch top	NUMBER(1,1)
393	ST_WD_MC_2	Stem wood moisture content to a 2-inch top	NUMBER(4,1)
394	ST_WD_MC_4	Stem wood moisture content to a 4-inch top	NUMBER(4,1)
395	ST_WD_MC_42	Stem wood moisture content from a 4-inch top to a 2-inch top	NUMBER(4,1)
396	ST_WD_MC_6	Stem wood moisture content to a 6-inch top	NUMBER(4,1)
397	ST_WD_MC_7	Stem wood moisture content to a 7-inch top	NUMBER(4,1)
398	ST_WD_MC_8	Stem wood moisture content to an 8-inch top	NUMBER(1,1)
399	ST_WD_MC_9	Stem wood moisture content to a 9-inch top	NUMBER(4,1)
400	ST_WD_MC_94	Stem wood moisture content from a 9-inch top to a 4-inch top	NUMBER(4,1)
401	ST_WDBK_MC_1	Stem wood and bark moisture content to a 1-inch top	NUMBER(4,1)
402	ST_WDBK_MC_10	Stem wood and bark moisture content to a 10-inch top	NUMBER(4,1)
403	ST_WDBK_MC_11	Stem wood and bark moisture content to an 11-inch top	NUMBER(3,1)
404	ST_WDBK_MC_2	Stem wood and bark moisture content to a 2-inch top	NUMBER(4,1)
405	ST_WDBK_MC_4	Stem wood and bark moisture content to a 4-inch top	NUMBER(4,1)
406	ST_WDBK_MC_42	Stem wood and bark moisture content from a 4-inch top to a 2-inch top	NUMBER(4,1)
407	ST_WDBK_MC_6	Stem wood and bark moisture content to a 6-inch top	NUMBER(4,1)
408	ST_WDBK_MC_7	Stem wood and bark moisture content to a 7-inch top	NUMBER(4,1)
409	ST_WDBK_MC_8	Stem wood and bark moisture content to an 8-inch top	NUMBER(4,1)
410	ST_WDBK_MC_9	Stem wood and bark moisture content to a 9-inch top	NUMBER(4,1)
411	ST_WDBK_MC_94	Stem wood and bark moisture content from a 9-inch top to a 4-inch top	NUMBER(4,1)

412	TP_BK_MC_1	Top bark moisture content weight from a 1-inch top	NUMBER(2,1)
413	TP_BK_MC_10	Top bark moisture content weight from a 10-inch top	NUMBER(2,1)
414	TP_BK_MC_11	Top bark moisture content weight from an 11-inch top	NUMBER(2,1)
415	TP_BK_MC_2	Top bark moisture content weight from a 2-inch top	NUMBER(2,1)
416	TP_BK_MC_4	Top bark moisture content weight from a 4-inch top	NUMBER(5,1)
417	TP_BK_MC_6	Top bark moisture content weight from a 6-inch top	NUMBER(4,1)
418	TP_BK_MC_7	Top bark moisture content weight from a 7-inch top	NUMBER(4,1)
419	TP_BK_MC_8	Top bark moisture content weight from an 8-inch top	NUMBER(2,1)
420	TP_BK_MC_9	Top bark moisture content weight from a 9-inch top	NUMBER(4,1)
421	TP_BK_MC_MR	Top bark moisture content weight from a merchantable top	NUMBER(4,1)
422	TP_WD_MC_1	Top wood moisture content weight from a 1-inch top	NUMBER(2,1)
423	TP_WD_MC_10	Top wood moisture content weight from a 10-inch top	NUMBER(2,1)
424	TP_WD_MC_11	Top wood moisture content weight from an 11-inch top	NUMBER(2,1)
425	TP_WD_MC_2	Top wood moisture content weight from a 2-inch top	NUMBER(2,1)
426	TP_WD_MC_4	Top wood moisture content weight from a 4-inch top	NUMBER(5,1)
427	TP_WD_MC_6	Top wood moisture content weight from a 6-inch top	NUMBER(4,1)
428	TP_WD_MC_7	Top wood moisture content weight from a 7-inch top	NUMBER(4,1)
429	TP_WD_MC_8	Top wood moisture content weight from an 8-inch top	NUMBER(2,1)
430	TP_WD_MC_9	Top wood moisture content weight from a 9-inch top	NUMBER(4,1)
431	TP_WD_MC_MR	Top wood moisture content weight from a merchantable top	NUMBER(5,1)
432	TP_WDBK_MC_1	Top wood and bark moisture content weight from a 1-inch top	NUMBER(2,1)
433	TP_WDBK_MC_10	Top wood and bark moisture content weight from a 10-inch top	NUMBER(3,1)
434	TP_WDBK_MC_11	Top wood and bark moisture content weight from an 11-inch top	NUMBER(3,1)
435	TP_WDBK_MC_2	Top wood and bark moisture content weight from a 2-inch top	NUMBER(3,1)
436	TP_WDBK_MC_4	Top wood and bark moisture content weight from a 4-inch top	NUMBER(4,1)
437	TP_WDBK_MC_6	Top wood and bark moisture content weight from a 6-inch top	NUMBER(4,1)
438	TP_WDBK_MC_7	Top wood and bark moisture content weight from a 7-inch top	NUMBER(4,1)
439	TP_WDBK_MC_8	Top wood and bark moisture content weight from an 8-inch top	NUMBER(3,1)
440	TP_WDBK_MC_9	Top wood and bark moisture content weight from a 9-inch top	NUMBER(4,1)
441	TP_WDBK_MC_MR	Top wood and bark moisture content weight from a merchantable top	NUMBER(5,1)
442	TT_BK_MC	Total tree bark moisture content	NUMBER(5,1)
443	TT_WD_MC	Total tree wood moisture content	NUMBER(4,1)
444	AG_PR	Above-ground production	NUMBER(4,1)
445	BRL_PR	Live branch production	NUMBER(3,1)
446	ST_BK_PR	Stem bark production	NUMBER(2,1)
447	ST_WD_PR	Stem wood production	NUMBER(3,1)

448	TWFOL_PR	Twig and foliage production	NUMBER(3,1)
449	BRL_BK_SG	Live branch bark specific gravity	NUMBER(2,1)
450	BRL_BK_SG_LG	Large live branch bark specific gravity	NUMBER(2,1)
451	BRL_BK_SG_MD	Medium live branch bark specific gravity	NUMBER(2,1)
452	BRL_BK_SG_SM	Small live branch bark specific gravity	NUMBER(2,1)
453	BRL_BK_SG_XL	Extra-large live branch bark specific gravity	NUMBER(2,1)
454	BRL_WD_SG	Live branch wood specific gravity	NUMBER(2,1)
455	BRL_WD_SG_LG	Large live branch wood specific gravity	NUMBER(2,1)
456	BRL_WD_SG_MD	Medium live branch wood specific gravity	NUMBER(2,1)
457	BRL_WD_SG_SM	Small live branch wood specific gravity	NUMBER(2,1)
458	BRL_WD_SG_XL	Extra-large live branch wood specific gravity	NUMBER(2,1)
459	BRL_WDBK_SG_LG	Large live branch wood and bark specific gravity	NUMBER(2,1)
460	BRL_WDBK_SG_MD	Medium live branch wood and bark specific gravity	NUMBER(2,1)
461	BRL_WDBK_SG_SM	Small live branch wood and bark specific gravity	NUMBER(2,1)
462	BRL_WDBK_SG_XL	Extra-large live branch wood and bark specific gravity	NUMBER(2,1)
463	RT_BK_SG	Root bark specific gravity	NUMBER(2,1)
464	RT_WD_SG	Root wood specific gravity	NUMBER(2,1)
465	RT_WDBK_SG	Root wood and bark specific gravity	NUMBER(2,1)
466	ST_BK_SG_1	Stem bark specific gravity to a 1-inch top	NUMBER(2,1)
467	ST_BK_SG_10	Stem bark specific gravity to a 10-inch top	NUMBER(1,1)
468	ST_BK_SG_11	Stem bark specific gravity to an 11-inch top	NUMBER(1,1)
469	ST_BK_SG_2	Stem bark specific gravity to a 2-inch top	NUMBER(2,1)
470	ST_BK_SG_4	Stem bark specific gravity to a 4-inch top	NUMBER(2,1)
471	ST_BK_SG_42	Stem bark specific gravity from a 4-inch top to a 2-inch top	NUMBER(2,1)
472	ST_BK_SG_6	Stem bark specific gravity to a 6-inch top	NUMBER(2,1)
473	ST_BK_SG_7	Stem bark specific gravity to a 7-inch top	NUMBER(2,1)
474	ST_BK_SG_8	Stem bark specific gravity to an 8-inch top	NUMBER(1,1)
475	ST_BK_SG_9	Stem bark specific gravity to a 9-inch top	NUMBER(2,1)
476	ST_BK_SG_94	Stem bark specific gravity from a 9-inch top to a 4-inch top	NUMBER(2,1)
477	ST_WD_SG_1	Stem wood specific gravity to a 1-inch top	NUMBER(2,1)
478	ST_WD_SG_10	Stem wood specific gravity to a 10-inch top	NUMBER(1,1)
479	ST_WD_SG_11	Stem wood specific gravity to an 11-inch top	NUMBER(1,1)
480	ST_WD_SG_2	Stem wood specific gravity to a 2-inch top	NUMBER(2,1)
481	ST_WD_SG_3	Stem wood specific gravity to a 3-inch top	NUMBER(3,1)
482	ST_WD_SG_4	Stem wood specific gravity to a 4-inch top	NUMBER(4,1)
483	ST_WD_SG_42	Stem wood specific gravity from a 4-inch top to a 2-inch top	NUMBER(2,1)
484	ST_WD_SG_6	Stem wood specific gravity to a 6-inch top	NUMBER(2,1)
485	ST_WD_SG_7	Stem wood specific gravity to a 7-inch top	NUMBER(2,1)
486	ST_WD_SG_8	Stem wood specific gravity to an 8-inch top	NUMBER(1,1)

487	ST_WD_SG_9	Stem wood specific gravity to a 9-inch top	NUMBER(2,1)
488	ST_WD_SG_94	Stem wood specific gravity from a 9-inch top to a 4-inch top	NUMBER(2,1)
489	ST_WDBK_SG_1	Stem wood and bark specific gravity to a 1-inch top	NUMBER(2,1)
490	ST_WDBK_SG_10	Stem wood and bark specific gravity to a 10-inch top	NUMBER(2,1)
491	ST_WDBK_SG_11	Stem wood and bark specific gravity to an 11-inch top	NUMBER(2,1)
492	ST_WDBK_SG_2	Stem wood and bark specific gravity to a 2-inch top	NUMBER(2,1)
493	ST_WDBK_SG_4	Stem wood and bark specific gravity to a 4-inch top	NUMBER(2,1)
494	ST_WDBK_SG_42	Stem wood and bark specific gravity from a 4-inch top to a 2-inch top	NUMBER(2,1)
495	ST_WDBK_SG_6	Stem wood and bark specific gravity to a 6-inch top	NUMBER(2,1)
496	ST_WDBK_SG_7	Stem wood and bark specific gravity to a 7-inch top	NUMBER(2,1)
497	ST_WDBK_SG_8	Stem wood and bark specific gravity to an 8-inch top	NUMBER(2,1)
498	ST_WDBK_SG_9	Stem wood and bark specific gravity to a 9-inch top	NUMBER(2,1)
499	ST_WDBK_SG_94	Stem wood and bark specific gravity from a 9-inch top to a 4-inch top	NUMBER(2,1)
500	TP_BK_SG_1	Top bark specific gravity from a 1-inch top	NUMBER(2,1)
501	TP_BK_SG_10	Top bark specific gravity from a 10-inch top	NUMBER(2,1)
502	TP_BK_SG_11	Top bark specific gravity from an 11-inch top	NUMBER(2,1)
503	TP_BK_SG_2	Top bark specific gravity from a 2-inch top	NUMBER(2,1)
504	TP_BK_SG_4	Top bark specific gravity from a 4-inch top	NUMBER(6,1)
505	TP_BK_SG_6	Top bark specific gravity from a 6-inch top	NUMBER(2,1)
506	TP_BK_SG_7	Top bark specific gravity from a 7-inch top	NUMBER(3,1)
507	TP_BK_SG_8	Top bark specific gravity from an 8-inch top	NUMBER(2,1)
508	TP_BK_SG_9	Top bark specific gravity from a 9-inch top	NUMBER(3,1)
509	TP_BK_SG_MR	Top bark specific gravity from a merchantable top	NUMBER(2,1)
510	TP_WD_SG_1	Top wood specific gravity from a 1-inch top	NUMBER(2,1)
511	TP_WD_SG_10	Top wood specific gravity from a 10-inch top	NUMBER(2,1)
512	TP_WD_SG_11	Top wood specific gravity from an 11-inch top	NUMBER(2,1)
513	TP_WD_SG_2	Top wood specific gravity from a 2-inch top	NUMBER(2,1)
514	TP_WD_SG_4	Top wood specific gravity from a 4-inch top	NUMBER(3,1)
515	TP_WD_SG_6	Top wood specific gravity from a 6-inch top	NUMBER(2,1)
516	TP_WD_SG_7	Top wood specific gravity from a 7-inch top	NUMBER(3,1)
517	TP_WD_SG_8	Top wood specific gravity from an 8-inch top	NUMBER(2,1)
518	TP_WD_SG_9	Top wood specific gravity from a 9-inch top	NUMBER(3,1)
519	TP_WD_SG_MR	Top wood specific gravity from a merchantable top	NUMBER(3,1)
520	TP_WDBK_SG_1	Top wood and bark specific gravity from a 1-inch top	NUMBER(2,1)
521	TP_WDBK_SG_10	Top wood and bark specific gravity from a 10-inch top	NUMBER(2,1)
522	TP_WDBK_SG_11	Top wood and bark specific gravity from an 11-inch top	NUMBER(2,1)
523	TP_WDBK_SG_2	Top wood and bark specific gravity from a 2-inch top	NUMBER(2,1)
524	TP_WDBK_SG_4	Top wood and bark specific gravity from a 4-inch top	NUMBER(3,1)

525	TP_WDBK_SG_6	Top wood and bark specific gravity from a 6-inch top	NUMBER(2,1)
526	TP_WDBK_SG_7	Top wood and bark specific gravity from a 7-inch top	NUMBER(3,1)
527	TP_WDBK_SG_8	Top wood and bark specific gravity from an 8-inch top	NUMBER(2,1)
528	TP_WDBK_SG_9	Top wood and bark specific gravity from a 9-inch top	NUMBER(3,1)
529	TP_WDBK_SG_MR	Top wood and bark specific gravity from a merchantable top	NUMBER(3,1)
530	TT_BK_SG	Total tree bark specific gravity	NUMBER(2,1)
531	TT_WD_SG	Total tree wood specific gravity	NUMBER(2,1)
532	BRL_SIZE_LG	Large live branch minimum diameter	NUMBER(2,1)
533	BRL_SIZE_MD	Medium live branch minimum diameter	NUMBER(2,1)
534	BRL_SIZE_SM	Small live branch minimum diameter	NUMBER(2,1)
535	BRL_SIZE_XL	Extra-large live branch minimum diameter	NUMBER(1,1)
536	RT_SIZE_LG	Large root minimum diameter	NUMBER(2,1)
537	RT_SIZE_SM	Small root minimum diameter	NUMBER(1,1)
538	TW_SIZE	Twig maximum diameter	NUMBER(2,1)
539	FOL_SLA	Foliage specific leaf area	NUMBER(4,1)
540	FOL_SLA_BOT	Bottom third of crown specific leaf area	NUMBER(4,1)
541	FOL_SLA_MID	Middle third of crown specific leaf area	NUMBER(4,1)
542	FOL_SLA_TOP	Top third of crown specific leaf area	NUMBER(4,1)
543	STD_TPA_PRES	Present trees per acre	NUMBER(3,0)
544	STD_TPA_INIT	Initial trees per acre	NUMBER(4,0)
545	ST_DSK_N	Number of disks	NUMBER(2,0)
546	ST_NPTS	Number of taper measurement points	NUMBER(3,0)
547	STD_SI	Site index	NUMBER(1,0)
548	STD_THIN_AGE	Age at thinning	NUMBER(1,0)
549	STD_TRT	Silvicultural treatment code.	VARCHAR2

### Tree Table Detailed explanations

1. **AUTHOR**  
Author. The name of the author or authors who conducted the study.
2. **LOC**  
Location. Location where tree was growing. See table 'LOCATION' for more detailed description.
3. **SPCD**  
Species code. FIA species code. Refer to FIADB Phase 2 User's Manual, Appendix F for list of species codes.
4. **TRENO**  
Tree number. A unique tree identifier that is unique within AUTHOR, LOC, and SPCD.

5. **CCLCD**  
Canopy/crown class. 1=Open Grown, 2=Dominant, 3=Codominant, 4=Intermediate, 5=Overtopped.
6. **CR\_WID**  
Crown width. Tree crown width, in feet.
7. **SP\_HT**  
Stump height. Stump height, in feet.
8. **ST\_OB\_D\_BH**  
Diameter at breast height outside bark. The diameter, in inches, of the stem measured at 4.5-feet above the ground line.
9. **TR\_HT**  
Total tree height. Tree total height, in feet, measured from ground line to the highest point.
10. **ST\_HT\_BLC**  
Stem height at the lowest live branch. The height, in feet, from ground line to the lowest live limb or base of the live crown.
11. **ST\_WD\_DW**  
Stem wood dry weight. The oven-dry weight, in pounds, of the stem wood from the stump (SP\_H) to the upper-stem diameter (DSTEM\_MIN).
12. **ST\_BK\_DW**  
Stem bark dry weight. The oven-dry weight, in pounds, of the stem bark from the stump (SP\_H) to the upper-stem diameter (DSTEM\_MIN).
13. **ST\_WDBK\_DW**  
Stem wood and bark dry weight. The oven-dry weight, in pounds, of the stem wood and bark from the stump (SP\_H) to the upper-stem diameter (DSTEM\_MIN).
14. **BRD\_WDBK\_DW**  
Dead branch wood and bark dry weight. The oven-dry weight, in pounds, of all dead branch wood and bark.
15. **BRL\_WDBK\_DW**  
Live branch wood and bark dry weight. The oven-dry weight, in pounds, of all live branches. Where DSTEM\_MIN is greater than 0 the stem top from DSTEM\_MIN diameter to the tip is presumed to be included in the branch (BR) component.
16. **BRT\_WDBK\_DW**



Live and dead branch wood and bark dry weight. The oven-dry weight, in pounds, of all live and dead branches.

- 17. TT\_WDBK\_DW**  
Total tree wood and bark dry weight. The oven-dry weight, in pounds, of the total tree (above-stump) wood and bark.
- 18. FOL\_DW**  
Foliage dry weight. The oven-dry weight, in pounds, of all foliage.
- 19. AS\_DW**  
Above-stump dry weight. The oven-dry weight, in pounds, of all above-stump wood, bark, and foliage.
- 20. SP\_WDBK\_DW**  
Stump wood and bark dry weight. The oven-dry weight, in pounds, of the stump wood and bark.
- 21. AG\_DW**  
Above-ground dry weight. The oven-dry weight, in pounds, of all above-ground wood, bark, and foliage.
- 22. TR\_ORIGIN**  
Tree origin. 1 = natural; 2 = planted.
- 23. ST\_TEMP**  
Drying temperature. Temperature, in Celsius, at which the stem weight-component (\*DW\*) was dried.
- 24. ST\_D\_GL**  
Diameter at ground-line. Diameter, in inches, of the stem at ground line.
- 25. ST\_D\_MIN**  
Minimum upper stem diameter. The upper diameter outside bark where the end of the stem was defined. Corresponds to ST\* variables when no diameter limit is defined (eg., ST\_WD\_DW, ST\_BK\_GW). It is generally assumed that the stem above this limit is incorporated in the branch (BR) component.
- 26. ST\_BLC\_D**  
Diameter at base of live crown/lowest live limb. Diameter, in inches, of the stem, measured at or just below the first live branch or base of the live crown.
- 27. CR\_DW**

Crown dry weight. The oven-dry weight, in pounds, of the entire branch including wood, bark, and foliage.

## 28. ST\_METH

Stem sampling method to estimated stem dry weight:

1. Stem dry weight calculated by weighing the stem green and using the subsample (disk) moisture content to convert to dry weight.
2. Generally used method 1 but some exceptions are noted;
3. Stem dry weight calculated by using volume and specific gravity (i.e,  $ST\_DW = ST\_CV * ST\_SG * 62.4$ );
4. Stem dry weight estimated on standing trees (see Singer (1964) and Hutnik (1964));
5. Methods unknown;
6. Entire stem dried;
7. Stem chipped and subsample.

## 29. BR\_METH

Branch sampling method to estimate branch dry weight:

1. All branch wood and bark dried and weighed (100%);
2. DW Ratio and Branch Fraction Method. All branches were piled and weighed green. Subsample branches were taken to estimate the moisture content of the branch and the proportion of wood and bark in the branch (In opposition to method 5, foliage was not separated from the wood and bark before drying).
3. Regression Summation. All branch basal diameters on the tree were measured. A subsample of branches were used to create a regression equation relating branch basal diameter and branch wood and bark dry weight. Tree level branch wood and bark dry weight was estimated by predicting individual branch wood and bark dry weight and summing across the entire tree.
4. Methods Unknown;
5. DW Ratio Method. All branches were piled and foliage was separated from the wood/bark in the field. A subsample was taken to obtain a DW/GW ratio of the wood/bark (this includes data where green moisture content was used (i.e. see Mueller)).

## 30. FOL\_METH

Foliage sampling method to estimate foliage dry weight:

1. All branch foliage was dried and weighed (100%);
2. DW Ratio and Foliage Fraction Method. All branches were piled and weighed green. Subsample branches were taken to estimate the moisture content of the entire branch and the proportion of foliage in the branch (In opposition to method 5, foliage was not separated from the wood and bark before drying).
3. Regression Summation. All branch basal diameters on the tree were measured. A subsample of branches were used to create a regression equation relating branch basal diameter and branch foliage dry weight. Tree level foliage dry weight was estimated by predicting individual branch foliage dry weight and summing across the entire tree.
4. Methods Unknown;

5. DW Ratio Method. All branches were piled and foliage and wood/bark were separated in the field. A subsample was taken to obtain a DW/GW ratio of the foliage (this includes data where green moisture content was used (i.e. see Mueller)).

**31. REGION**

Geographic region. General geographic region where the trees were sampled.

**32. IND**

Miscellaneous Indicator. An indicator variable for anomalous data.

**33. ST\_WD\_GW**

Stem wood green weight. The green weight, in pounds, of the stem wood from the stump (SP\_H) to the upper-stem diameter (DSTEM\_MIN).

**34. ST\_BK\_GW**

Stem bark green weight. The green weight, in pounds, of the stem bark from the stump (SP\_H) to the upper-stem diameter (DSTEM\_MIN).

**35. ST\_WDBK\_GW**

Stem wood and bark green weight. The green weight, in pounds, of the stem wood and bark from the stump (SP\_H) to the upper-stem diameter (DSTEM\_MIN).

**36. BRD\_WDBK\_GW**

Dead branch wood and bark green weight. The green weight, in pounds, of the dead branch wood and bark.

**37. BRL\_WDBK\_GW**

Live branch wood and bark green weight. The green weight, in pounds, of all live branch wood and bark.

**38. BRT\_WDBK\_GW**

Live and dead branch wood and bark green weight. The green weight, in pounds, of all live and dead branch wood and bark.

**39. TT\_WDBK\_GW**

Total tree wood and bark green weight. The green weight, in pounds, of the total tree (above-stump) wood and bark.

**40. FOL\_GW**

Foliage green weight. The green weight, in pounds, of all foliage.

**41. CR\_GW**

Crown green weight. The green weight, in pounds, of the entire branch including wood, bark, and foliage.

- 42. AS\_GW**  
Above-stump green weight. The green weight, in pounds, of all above-stump wood, bark, and foliage.
- 43. AG\_GW**  
Above-ground green weight. The green weight, in pounds, of all above-ground wood, bark, and foliage.
- 44. ST\_WD\_MC**  
Stem wood moisture content. The weight of moisture in stem wood, expressed as a percentage of oven-dry weight (i.e.,  $(ST\_WD\_GW - ST\_WD\_DW) / ST\_WD\_DW * 100\%$ ).
- 45. ST\_BK\_MC**  
Stem bark moisture content. The weight of moisture in stem bark, expressed as a percentage of oven-dry weight (i.e.,  $(ST\_BK\_GW - ST\_BK\_DW) / ST\_BK\_DW * 100\%$ ).
- 46. ST\_WDBK\_MC**  
Stem wood and bark moisture content. The weight of moisture in stem wood and bark, expressed as a percentage of oven-dry weight (i.e.,  $(ST\_WD\_BK\_GW - ST\_WD\_BK\_DW) / ST\_WD\_BK\_DW * 100\%$ ).
- 47. BRD\_WDBK\_MC**  
Dead branch wood and bark moisture content. The weight of moisture in the dead branch wood and bark, expressed as a percentage of oven-dry weight (i.e.,  $(DBR\_WD\_BK\_GW - DBR\_WD\_BK\_DW) / DBR\_WD\_BK\_DW * 100\%$ ).
- 48. BRL\_WDBK\_MC**  
Live branch wood and bark moisture content. The weight of moisture in live branches, expressed as a percentage of oven-dry weight (i.e.,  $(BR\_WD\_BK\_GW - BR\_WD\_BK\_DW) / BR\_WD\_BK\_DW * 100\%$ ).
- 49. BRT\_WDBK\_MC**  
Live and dead branch wood and bark moisture content. The weight of moisture in live and dead branches, expressed as a percentage of oven-dry weight (i.e.,  $(BRT\_WDBK\_GW - BRT\_WDBK\_DW) / BRT\_WDBK\_DW * 100\%$ ).
- 50. TT\_WDBK\_MC**  
Total tree wood and bark moisture content. The weight of moisture in the total tree (above-stump) wood and bark, expressed as a percentage of oven-dry weight (i.e.,  $(TT\_WDBK\_GW - TT\_WDBK\_DW) / TT\_WDBK\_DW * 100\%$ ).
- 51. FOL\_MC**

Foliage moisture content. The weight of moisture in the foliage, expressed as a percentage of oven-dry weight (i.e.,  $(FOL\_GW - FOL\_DW) / FOL\_DW * 100\%$ ).

- 52. AS\_MC**  
Above-stump moisture content. The weight of moisture in all above-stump wood, bark and foliage, expressed as a percentage of oven-dry weight (i.e.,  $(AS\_GW - AS\_DW) / AS\_DW * 100\%$ ).
- 53. CR\_MC**  
Crown moisture content. The weight of moisture of the entire branch including wood, bark, and foliage, expressed as a percentage of oven-dry weight (i.e.,  $(CR\_GW - CR\_DW) / CR\_DW * 100\%$ ).
- 54. AG\_MC**  
Above-ground moisture content. The weight of moisture of all above-ground wood, bark and foliage, expressed as a percentage of oven-dry weight (i.e.,  $(AG\_GW - AG\_DW) / AG\_DW * 100\%$ ).
- 55. ST\_WD\_SG**  
Stem wood specific gravity. The unitless ratio of the stem wood oven-dry weight per unit of green wood volume divided by the density of water.
- 56. ST\_BK\_SG**  
Stem bark specific gravity. The unitless ratio of the stem bark oven-dry weight per unit of green wood volume divided by the density of water.
- 57. ST\_WDBK\_SG**  
Stem wood and bark specific gravity. The unitless ratio of the stem wood and bark oven-dry weight per unit of green wood volume divided by the density of water.
- 58. BRD\_WDBK\_SG**  
Dead branch specific gravity. The unitless ratio of the dead branch wood and bark oven-dry weight per unit of green wood volume divided by the density of water.
- 59. BRL\_WDBK\_SG**  
Live branch wood and bark specific gravity. The unitless ratio of all live branch wood and bark oven-dry weight per unit of green wood volume divided by the density of water.
- 60. BRT\_WDBK\_SG**  
Live and dead branch specific gravity. The unitless ratio of all live and dead branch wood and bark expressed as the ratio of its oven-dry weight to its green volume.
- 61. TT\_WDBK\_SG**

Total tree wood and bark specific gravity. The unitless ratio of the total tree (above-stump) wood and bark oven-dry weight per unit of green wood volume divided by the density of water.

- 62. ST\_BK\_FR**  
Stem bark fraction. The ratio of stem bark to stem wood and bark calculated on a dry-weight basis (i.e.,  $ST\_BK\_DW / ST\_WD\_BK\_DW$ ).
- 63. BRL\_BK\_FR**  
Live branch bark fraction. The ratio of live branch bark to live branch wood and bark calculated on a dry-weight basis (i.e.,  $BR\_BK\_DW / BR\_WD\_BK\_DW$ ).
- 64. TT\_BK\_FR**  
Total tree bark fraction. The ratio of the total tree (above-stump) bark to the total tree (above-stump) wood and bark calculated on a dry-weight basis (i.e.,  $TT\_BK\_DW / TT\_WD\_BK\_DW$ ).
- 65. TR\_AGE**  
Tree age. The ring count of the tree.
- 66. FOL\_AR**  
Foliage surface area. The surface area of the foliage from the entire crown.
- 67. FOL\_AR\_BOT**  
Bottom third of crown foliage surface area. The surface area of the foliage in the bottom third of the crown.
- 68. FOL\_AR\_MID**  
Middle third of crown foliage surface area. The surface area of the foliage in the middle third of the crown.
- 69. FOL\_AR\_TOP**  
Top third of crown foliage surface area. The surface area of the foliage in the top third of the crown.
- 70. ST\_WD\_AR**  
Stem wood surface area. The surface area, in square feet, of the stem inside bark.
- 71. ST\_WDBK\_AR**  
Stem wood and bark surface area. The surface area, in square feet, of the stem outside bark.
- 72. STD\_BAPA\_INIT**  
Initial basal area per acre. The acre-based basal area, in cubic feet, taken after a thinning event.
- 73. STD\_BAPA\_PRES**

Present basal area per acre. The acre-based basal area, in cubic feet, taken at the time that the tree was sampled.

- 74. BRD\_WDBK\_CV**  
Dead branch wood and bark cubic-foot volume. The cubic volume, in cubic feet, of the dead branch wood and bark.
- 75. BRL\_BK\_CV**  
Live branch bark cubic-foot volume. The cubic volume, in cubic feet, of all live branch bark.
- 76. BRL\_BK\_CV\_LG**  
Large live branch bark cubic-foot volume. The cubic volume, in cubic feet, of the large live branch bark.
- 77. BRL\_BK\_CV\_MD**  
Medium live branch bark cubic-foot volume. The cubic volume, in cubic feet, of the medium live branch bark.
- 78. BRL\_BK\_CV\_SM**  
Small live branch bark cubic-foot volume. The cubic volume, in cubic feet, of the small live branch bark.
- 79. BRL\_BK\_CV\_XL**  
Extra-large live branch bark cubic-foot volume. The cubic volume, in cubic feet, of the extra-large live branch bark.
- 80. BRL\_WD\_CV**  
Live branch wood cubic-foot volume. The cubic volume, in cubic feet, of all live branch wood.
- 81. BRL\_WD\_CV\_LG**  
Large live branch wood cubic-foot volume. The cubic volume, in cubic feet, of the large live branch wood.
- 82. BRL\_WD\_CV\_MD**  
Medium live branch wood cubic-foot volume. The cubic volume, in cubic feet, of the medium live branch wood.
- 83. BRL\_WD\_CV\_SM**  
Small live branch wood cubic-foot volume. The cubic volume, in cubic feet, of the small live branch wood.
- 84. BRL\_WD\_CV\_XL**  
Extra-large live branch wood cubic-foot volume. The cubic volume, in cubic feet, of the extra-large live branch wood.

- 85. BRL\_WDBK\_CV**  
Live branch wood and bark cubic-foot volume. The cubic volume, in cubic feet, of the live branch wood and bark.
- 86. BRL\_WDBK\_CV\_LG**  
Large live branch wood and bark cubic-foot volume. The cubic volume, in cubic feet, of the large live branch wood and bark.
- 87. BRL\_WDBK\_CV\_MD**  
Medium live branch wood and bark cubic-foot volume. The cubic volume, in cubic feet, of the medium live branch wood and bark.
- 88. BRL\_WDBK\_CV\_SM**  
Small live branch wood and bark cubic-foot volume. The cubic volume, in cubic feet, of the small live branch wood and bark.
- 89. BRL\_WDBK\_CV\_XL**  
Extra-large live branch wood and bark cubic-foot volume. The cubic volume, in cubic feet, of all extra-large live branch wood and bark.
- 90. RT\_WD\_CV**  
Root wood cubic-foot volume. The cubic volume, in cubic feet, of the root wood.
- 91. ST\_BK\_CV**  
Stem bark cubic-foot volume. The cubic volume, in cubic feet, of the stem bark from the stump (SP\_H) to the minimum top diameter (DSTEM\_MIN).
- 92. ST\_BK\_CV\_1**  
Stem bark cubic-foot volume to a 1-inch top. The cubic volume, in cubic feet, of the stem bark from the stump (SP\_H) to the 1-inch top (HT\_1).
- 93. ST\_BK\_CV\_10**  
Stem bark cubic-foot volume to a 10-inch top. The cubic volume, in cubic feet, of the stem bark from the stump (SP\_H) to the 10-inch top (HT\_10).
- 94. ST\_BK\_CV\_11**  
Stem bark cubic-foot volume to an 11-inch top. The cubic volume, in cubic feet, of the stem bark from the stump (SP\_H) to the 11-inch top (HT\_11).
- 95. ST\_BK\_CV\_2**  
Stem bark cubic-foot volume to a 2-inch top. The cubic volume, in cubic feet, of the stem bark from the stump (SP\_H) to the 2-inch top (HT\_2).



- 96. ST\_BK\_CV\_4**  
Stem bark cubic-foot volume to a 4-inch top. The cubic volume, in cubic feet, of the stem bark from the stump (SP\_H) to the 4-inch top (HT\_4).
- 97. ST\_BK\_CV\_6**  
Stem bark cubic-foot volume to a 6-inch top. The cubic volume, in cubic feet, of the stem bark from the stump (SP\_H) to the 6-inch top (HT\_6).
- 98. ST\_BK\_CV\_7**  
Stem bark cubic-foot volume to a 7-inch top. The cubic volume, in cubic feet, of the stem bark from the stump (SP\_H) to the 7-inch top (HT\_7).
- 99. ST\_BK\_CV\_8**  
Stem bark cubic-foot volume to an 8-inch top. The cubic volume, in cubic feet, of the stem bark from the stump (SP\_H) to the 8-inch top (HT\_8).
- 100. ST\_BK\_CV\_9**  
Stem bark cubic-foot volume to a 9-inch top. The cubic volume, in cubic feet, of the stem bark from the stump (SP\_H) to the 9-inch top (HT\_9).
- 101. ST\_BK\_CV\_MR**  
Stem bark cubic-foot volume to the merchantable top. The cubic volume, in cubic feet, of the stem bark from the stump (SP\_H) to the merchantable top (HT\_MR).
- 102. ST\_WD\_CV**  
Stem wood cubic-foot volume. The cubic volume, in cubic feet, of the stem wood from the stump height (SP\_H) to the minimum top diameter (DSTEM\_MIN).
- 103. ST\_WD\_CV\_1**  
Stem wood cubic-foot volume to a 1-inch top. The cubic volume, in cubic feet, of the stem wood from the stump (SP\_H) to a 1-inch top (HT\_1).
- 104. ST\_WD\_CV\_10**  
Stem wood cubic-foot volume to a 10-inch top. The cubic volume, in cubic feet, of the stem wood from the stump (SP\_H) to the 10-inch top (HT\_10).
- 105. ST\_WD\_CV\_11**  
Stem wood cubic-foot volume to an 11-inch top. The cubic volume, in cubic feet, of the stem wood from the stump (SP\_H) to the 11-inch top (HT\_11).
- 106. ST\_WD\_CV\_2**  
Stem wood cubic-foot volume to a 2-inch top. The cubic volume, in cubic feet, of the stem wood from the stump (SP\_H) to the 2-inch top (HT\_2).

- 107. ST\_WD\_CV\_3**  
Stem wood cubic-foot volume to a 3-inch top. The cubic volume, in cubic feet, of the stem wood from the stump (SP\_H) to the 3-inch top (HT\_3).
- 108. ST\_WD\_CV\_4**  
Stem wood cubic-foot volume to a 4-inch top. The cubic volume, in cubic feet, of the stem wood from the stump (SP\_H) to the 4-inch top (HT\_4).
- 109. ST\_WD\_CV\_6**  
Stem wood cubic-foot volume to a 6-inch top. The cubic volume, in cubic feet, of the stem wood from the stump (SP\_H) to the 6-inch top (HT\_6).
- 110. ST\_WD\_CV\_7**  
Stem wood cubic-foot volume to a 7-inch top. The cubic volume, in cubic feet, of the stem wood from the stump (SP\_H) to the 7-inch top (HT\_7).
- 111. ST\_WD\_CV\_8**  
Stem wood cubic-foot volume to an 8-inch top. The cubic volume, in cubic feet, of the stem wood from the stump (SP\_H) to the 8-inch top (HT\_8).
- 112. ST\_WD\_CV\_9**  
Stem wood cubic-foot volume to a 9-inch top. The cubic volume, in cubic feet, of the stem wood from the stump (SP\_H) to the 9-inch top (HT\_9).
- 113. ST\_WD\_CV\_MR**  
Stem wood cubic-foot volume to the merchantable top. The cubic volume, in cubic feet, of the stem wood from the stump (SP\_H) to the merchantable top (HT\_MR).
- 114. ST\_WDBK\_CV**  
Stem wood and bark cubic-foot volume. The cubic volume, in cubic feet, of the stem wood, and bark from the stump height (SP\_H) to the minimum top diameter (DSTEM\_MIN).
- 115. ST\_WDBK\_CV\_1**  
Stem wood and bark cubic-foot volume to a 1-inch top. The cubic volume, in cubic feet, of the stem wood and bark from the stump (SP\_H) to the 1-inch top (HT\_1).
- 116. ST\_WDBK\_CV\_10**  
Stem wood and bark cubic-foot volume to a 10-inch top. The cubic volume, in cubic feet, of the stem wood and bark from the stump (SP\_H) to the 10-inch top (HT\_10).
- 117. ST\_WDBK\_CV\_11**  
Stem wood and bark cubic-foot volume to an 11-inch top. The cubic volume, in cubic feet, of the stem wood and bark from the stump (SP\_H) to the 11-inch top (HT\_11).

- 118. ST\_WDBK\_CV\_2**  
Stem wood and bark cubic-foot volume to a 2-inch top. The cubic volume, in cubic feet, of the stem wood and bark from the stump (SP\_H) to the 2-inch top (HT\_2).
- 119. ST\_WDBK\_CV\_3**  
Stem wood and bark cubic-foot volume to a 3-inch top. The cubic volume, in cubic feet, of the stem wood and bark from the stump (SP\_H) to the 3-inch top (HT\_3).
- 120. ST\_WDBK\_CV\_4**  
Stem wood and bark cubic-foot volume to a 4-inch top. The cubic volume, in cubic feet, of the stem wood and bark from the stump (SP\_H) to the 4-inch top (HT\_4).
- 121. ST\_WDBK\_CV\_6**  
Stem wood and bark cubic-foot volume to a 6-inch top. The cubic volume, in cubic feet, of the stem wood and bark from the stump (SP\_H) to the 6-inch top (HT\_6).
- 122. ST\_WDBK\_CV\_7**  
Stem wood and bark cubic-foot volume to a 7-inch top. The cubic volume, in cubic feet, of the stem wood and bark from the stump (SP\_H) to the 7-inch top (HT\_7).
- 123. ST\_WDBK\_CV\_8**  
Stem wood and bark cubic-foot volume to an 8-inch top. The cubic volume, in cubic feet, of the stem wood and bark from the stump (SP\_H) to the 8-inch top (HT\_8).
- 124. ST\_WDBK\_CV\_9**  
Stem wood and bark cubic-foot volume to a 9-inch top. The cubic volume, in cubic feet, of the stem wood and bark from the stump (SP\_H) to the 9-inch top (HT\_9).
- 125. ST\_WDBK\_CV\_MR**  
Stem wood and bark cubic-foot volume to the merchantable top. The cubic volume, in cubic feet, of the stem wood and bark from the stump height (SP\_H) to the merchantable top (HT\_MR).
- 126. TP\_BK\_CV\_1**  
Top bark cubic-foot volume from a 1-inch top. The cubic volume, in cubic feet, of the stem bark from the 1-inch top (HT\_1) to the stem tip.
- 127. TP\_BK\_CV\_10**  
Top bark cubic-foot volume from a 10-inch top. The cubic volume, in cubic feet, of the stem bark from the 10-inch top (HT\_10) to the stem tip.
- 128. TP\_BK\_CV\_11**  
Top bark cubic-foot volume from an 11-inch top. The cubic volume, in cubic feet, of the stem bark from the 11-inch top (HT\_11) to the stem tip.

- 129. TP\_BK\_CV\_2**  
Top bark cubic-foot volume from a 2-inch top. The cubic volume, in cubic feet, of the stem bark from the 2-inch top (HT\_2) to the stem tip.
- 130. TP\_BK\_CV\_4**  
Top bark cubic-foot volume from a 4-inch top. The cubic volume, in cubic feet, of the stem bark from the 4-inch top (HT\_4) to the stem tip.
- 131. TP\_BK\_CV\_6**  
Top bark cubic-foot volume from a 6-inch top. The cubic volume, in cubic feet, of the stem bark from the 6-inch top (HT\_6) to the stem tip.
- 132. TP\_BK\_CV\_7**  
Top bark cubic-foot volume from a 7-inch top. The cubic volume, in cubic feet, of the stem bark from the 7-inch top (HT\_7) to the stem tip.
- 133. TP\_BK\_CV\_8**  
Top bark cubic-foot volume from an 8-inch top. The cubic volume, in cubic feet, of the stem bark from the 8-inch top (HT\_8) to the stem tip.
- 134. TP\_BK\_CV\_9**  
Top bark cubic-foot volume from a 9-inch top. The cubic volume, in cubic feet, of the stem bark from the 9-inch top (HT\_9) to the stem tip.
- 135. TP\_BK\_CV\_MR**  
Top bark cubic-foot volume from the merchantable top. The cubic volume, in cubic feet, of the stem bark from the merchantable top (HT\_MR) to the stem tip.
- 136. TP\_WD\_CV\_1**  
Top wood cubic-foot volume from a 1-inch top. The cubic volume, in cubic feet, of the stem wood from the 1-inch top (HT\_1) to the stem tip.
- 137. TP\_WD\_CV\_10**  
Top wood cubic-foot volume from a 10-inch top. The cubic volume, in cubic feet, of the stem wood from the 10-inch top (HT\_10) to the stem tip.
- 138. TP\_WD\_CV\_11**  
Top wood cubic-foot volume from an 11-inch top. The cubic volume, in cubic feet, of the stem wood from the 11-inch top (HT\_11) to the stem tip.
- 139. TP\_WD\_CV\_2**  
Top wood cubic-foot volume from a 2-inch top. The cubic volume, in cubic feet, of the stem wood from the 2-inch top (HT\_2) to the stem tip.

- 140. TP\_WD\_CV\_4**  
Top wood cubic-foot volume from a 4-inch top. The cubic volume, in cubic feet, of the stem wood from the 4-inch top (HT\_4) to the stem tip.
- 141. TP\_WD\_CV\_6**  
Top wood cubic-foot volume from a 6-inch top. The cubic volume, in cubic feet, of the stem wood from the 6-inch top (HT\_6) to the stem tip.
- 142. TP\_WD\_CV\_7**  
Top wood cubic-foot volume from a 7-inch top. The cubic volume, in cubic feet, of the stem wood from the 7-inch top (HT\_7) to the stem tip.
- 143. TP\_WD\_CV\_8**  
Top wood cubic-foot volume from an 8-inch top. The cubic volume, in cubic feet, of the stem wood from the 8-inch top (HT\_8) to the stem tip.
- 144. TP\_WD\_CV\_9**  
Top wood cubic-foot volume from a 9-inch top. The cubic volume, in cubic feet, of the stem wood from the 9-inch top (HT\_9) to the stem tip.
- 145. TP\_WD\_CV\_MR**  
Top wood cubic-foot volume from the merchantable top. The cubic volume, in cubic feet, of the stem wood from the merchantable top (HT\_MR) to the stem tip.
- 146. TP\_WDBK\_CV\_1**  
Top wood and bark cubic-foot volume from a 1-inch top. The cubic volume, in cubic feet, of the stem wood and bark from the 1-inch top (HT\_1) to the stem tip.
- 147. TP\_WDBK\_CV\_10**  
Top wood and bark cubic-foot volume from a 10-inch top. The cubic volume, in cubic feet, of the stem wood and bark from the 10-inch top (HT\_10) to the stem tip.
- 148. TP\_WDBK\_CV\_11**  
Top wood and bark cubic-foot volume from an 11-inch top. The cubic volume, in cubic feet, of the stem wood and bark from the 11-inch top (HT\_11) to the stem tip.
- 149. TP\_WDBK\_CV\_2**  
Top wood and bark cubic-foot volume from a 2-inch top. The cubic volume, in cubic feet, of the stem wood and bark from the 2-inch top (HT\_2) to the stem tip.
- 150. TP\_WDBK\_CV\_4**  
Top wood and bark cubic-foot volume from a 4-inch top. The cubic volume, in cubic feet, of the stem wood and bark from the 4-inch top (HT\_4) to the stem tip.

- 151. TP\_WDBK\_CV\_6**  
Top wood and bark cubic-foot volume from a 6-inch top. The cubic volume, in cubic feet, of the stem wood and bark from the 6-inch top (HT\_6) to the stem tip.
- 152. TP\_WDBK\_CV\_7**  
Top wood and bark cubic-foot volume from a 7-inch top. The cubic volume, in cubic feet, of the stem wood and bark from the 7-inch top (HT\_7) to the stem tip.
- 153. TP\_WDBK\_CV\_8**  
Top wood and bark cubic-foot volume from an 8-inch top. The cubic volume, in cubic feet, of the stem wood and bark from the 8-inch top (HT\_8) to the stem tip.
- 154. TP\_WDBK\_CV\_9**  
Top wood and bark cubic-foot volume from a 9-inch top. The cubic volume, in cubic feet, of the stem wood and bark from the 9-inch top (HT\_9) to the stem tip.
- 155. TP\_WDBK\_CV\_MR**  
Top wood and bark cubic-foot volume from the merchantable top. The cubic volume, in cubic feet, of the stem wood and bark from the merchantable top (HT\_MR) to the stem tip.
- 156. TT\_BK\_CV**  
Total tree bark cubic-foot volume. The cubic volume, in cubic feet, of the total tree (above stump) bark.
- 157. TT\_WD\_CV**  
Total tree wood cubic-foot volume. The cubic volume, in cubic feet, of the total tree (above-stump) wood.
- 158. TT\_WDBK\_CV**  
Total tree wood and bark cubic-foot volume. The cubic volume, in cubic feet, of the total tree (above-stump) wood and bark.
- 159. SP\_OB\_D**  
Stump diameter. The diameter outside bark, in inches, of the stem at the specified stump height (SP\_H).
- 160. ST\_IB\_D\_BH**  
Diameter at breast height inside bark. The diameter inside bark, in inches, of the stem measured at breast height (4.5 feet).
- 161. ST\_OB\_D\_17**  
Diameter at 17.3 feet. The diameter **outside bark**, in inches, of the stem measured at 17.3 feet.

- 162. ST\_OB\_D\_MR**  
Merchantable diameter. The diameter outside bark, in inches, of the stem measured at the merchantable top (HT\_MR).
- 163. ST\_OB\_D\_MS**  
Middle stem diameter. The diameter outside bark, in inches, of the stem taken midway between the ground and the tip.
- 164. BRL\_BK\_DW**  
Live branch bark dry weight. The oven-dry weight, in pounds, of all live branch bark.
- 165. BRL\_BK\_DW\_LG**  
Large live branch bark dry weight. The oven-dry weight, in pounds, of the large live branch bark.
- 166. BRL\_BK\_DW\_MD**  
Medium live branch bark dry weight. The oven-dry weight, in pounds, of the medium live branch bark.
- 167. BRL\_BK\_DW\_SM**  
Small live branch bark dry weight. The oven-dry weight, in pounds, of the small live branch bark.
- 168. BRL\_BK\_DW\_XL**  
Extra-large live branch bark dry weight. The oven-dry weight, in pounds, of the extra-large live branch bark.
- 169. BRL\_WD\_DW**  
Live branch wood dry weight. The oven-dry weight, in pounds, of all live branch wood.
- 170. BRL\_WD\_DW\_LG**  
Large live branch wood dry weight. The oven-dry weight, in pounds, of the large live branch wood.
- 171. BRL\_WD\_DW\_MD**  
Medium live branch wood dry weight. The oven-dry weight, in pounds, of the medium live branch wood.
- 172. BRL\_WD\_DW\_SM**  
Small live branch wood dry weight. The oven-dry weight, in pounds, of the small live branch wood.
- 173. BRL\_WD\_DW\_XL**

Extra-large live branch wood dry weight. The oven-dry weight, in pounds, of the extra-large live branch wood.

**174. BRL\_WDBK\_DW\_BOT**

Bottom third of crown wood and bark dry weight. The oven-dry weight, in pounds, of the live branches in the bottom third of the crown.

**175. BRL\_WDBK\_DW\_LG**

Large live branch wood and bark dry weight. The oven-dry weight, in pounds, of the large live branch wood and bark.

**176. BRL\_WDBK\_DW\_MD**

Medium live branch wood and bark dry weight. The oven-dry weight, in pounds, of the medium live branch wood and bark.

**177. BRL\_WDBK\_DW\_MID**

Middle third of crown wood and bark dry weight. The oven-dry weight, in pounds, of the live branches in the middle third of the crown.

**178. BRL\_WDBK\_DW\_SM**

Small live branch wood and bark dry weight. The oven-dry weight, in pounds, of the small live branch wood and bark.

**179. BRL\_WDBK\_DW\_TOP**

Top third of crown wood and bark dry weight. The oven-dry weight, in pounds, of live branches in the top third of the crown.

**180. BRL\_WDBK\_DW\_XL**

Extra-large live branch wood and bark dry weight. The oven-dry weight, in pounds, of all extra-large live branch wood and bark.

**181. CT\_DW**

Complete tree dry weight. The oven-dry weight, in pounds, of the complete tree (all above and below ground components).

**182. FOL\_DW\_BOT**

Bottom third of crown foliage dry weight. The oven-dry weight, in pounds, of the foliage in the bottom third of the crown.

**183. FOL\_DW\_MID**

Middle third of crown foliage dry weight. The oven-dry weight, in pounds, of the foliage in the middle third of the crown.

**184. FOL\_DW\_NEW**



New foliage dry weight. The oven-dry weight, in pounds, of new foliage (current year's growth).

**185. FOL\_DW\_OLD**

Old foliage dry weight. The oven-dry weight, in pounds, of old foliage (as opposed to current growth).

**186. FOL\_DW\_TOP**

Top third of crown foliage dry weight. The oven-dry weight, in pounds, of the foliage in the top third of the crown.

**187. RT\_BK\_DW**

Root bark dry weight. The oven-dry weight, in pounds, of the root bark.

**188. RT\_WD\_DW**

Root wood dry weight. The oven-dry weight, in pounds, of the root wood.

**189. RT\_WDBK\_DW**

Root wood and bark dry weight. The oven-dry weight, in pounds, of the root wood and bark.

**190. RT\_WDBK\_DW\_LG**

Large root wood and bark dry weight. The oven-dry weight, in pounds, of the large root wood and bark.

**191. RT\_WDBK\_DW\_SM**

Small root wood and bark dry weight. The oven-dry weight, in pounds, of the small root wood and bark.

**192. ST\_BK\_DW\_1**

Stem bark dry weight to a 1-inch top. The oven-dry weight, in pounds, of the stem bark from the stump (SP\_H) to the 1-inch top (HT\_1).

**193. ST\_BK\_DW\_10**

Stem bark dry weight to a 10-inch top. The oven-dry weight, in pounds, of the stem bark from the stump (SP\_H) to the 10-inch top (HT\_10).

**194. ST\_BK\_DW\_11**

Stem bark dry weight to an 11-inch top. The oven-dry weight, in pounds, of the stem bark from the stump (SP\_H) to the 11-inch top (HT\_11).

**195. ST\_BK\_DW\_2**

Stem bark dry weight to a 2-inch top. The oven-dry weight, in pounds, of the stem bark from the stump (SP\_H) to the 2-inch top (HT\_2).

**196. ST\_BK\_DW\_4**

Stem bark dry weight to a 4-inch top. The oven-dry weight, in pounds, of the stem bark from the stump (SP\_H) to the 4-inch top (HT\_4).

**197. ST\_BK\_DW\_6**

Stem bark dry weight to a 6-inch top. The oven-dry weight, in pounds, of the stem bark from the stump (SP\_H) to the 6-inch top (HT\_6).

**198. ST\_BK\_DW\_7**

Stem bark dry weight to a 7-inch top. The oven-dry weight, in pounds, of the stem bark from the stump (SP\_H) to the 7-inch top (HT\_7).

**199. ST\_BK\_DW\_8**

Stem bark dry weight to an 8-inch top. The oven-dry weight, in pounds, of the stem bark from the stump (SP\_H) to the 8-inch top (HT\_8).

**200. ST\_BK\_DW\_9**

Stem bark dry weight to a 9-inch top. The oven-dry weight, in pounds, of the stem bark from the stump (SP\_H) to the 9-inch top (HT\_9).

**201. ST\_BK\_DW\_MR**

Stem bark dry weight to the merchantable top. The oven-dry weight, in pounds, of the stem bark from the stump (SP\_H) to the merchantable top (MT\_MR).

**202. ST\_WD\_DW\_1**

Stem wood dry weight to a 1-inch top. The oven-dry weight, in pounds, of the stem wood from the stump (SP\_H) to the 1-inch top (HT\_1).

**203. ST\_WD\_DW\_10**

Stem wood dry weight to a 10-inch top. The oven-dry weight, in pounds, of the stem wood from the stump (SP\_H) to the 10-inch top (HT\_10).

**204. ST\_WD\_DW\_11**

Stem wood dry weight to an 11-inch top. The oven-dry weight, in pounds, of the stem wood from the stump (SP\_H) to the 11-inch top (HT\_11).

**205. ST\_WD\_DW\_2**

Stem wood dry weight to a 2-inch top. The oven-dry weight, in pounds, of the stem wood from the stump (SP\_H) to the 2-inch top (HT\_2).

**206. ST\_WD\_DW\_3**

Stem wood dry weight to a 3-inch top. The oven-dry weight, in pounds, of the stem wood from the stump (SP\_H) to the 3-inch top (HT\_3).

**207. ST\_WD\_DW\_4**

Stem wood dry weight to a 4-inch top. The oven-dry weight, in pounds, of the stem wood from the stump (SP\_H) to the 4-inch top (HT\_4).

**208. ST\_WD\_DW\_6**

Stem wood dry weight to a 6-inch top. The oven-dry weight, in pounds, of the stem wood from the stump (SP\_H) to the 6-inch top (HT\_6).

**209. ST\_WD\_DW\_7**

Stem wood dry weight to a 7-inch top. The oven-dry weight, in pounds, of the stem wood from the stump (SP\_H) to the 7-inch top (HT\_7).

**210. ST\_WD\_DW\_8**

Stem wood dry weight to an 8-inch top. The oven-dry weight, in pounds, of the stem wood from the stump (SP\_H) to the 8-inch top (HT\_8).

**211. ST\_WD\_DW\_9**

Stem wood dry weight to a 9-inch top. The oven-dry weight, in pounds, of the stem wood from the stump (SP\_H) to the 9-inch top (HT\_9).

**212. ST\_WD\_DW\_MR**

Stem wood dry weight to the merchantable top. The oven-dry weight, in pounds, of the stem wood from the stump (SP\_H) to the merchantable top (HT\_MR).

**213. ST\_WDBK\_DW\_1**

Stem wood and bark dry weight to a 1-inch top. The oven-dry weight, in pounds, of the stem wood and bark from the stump (SP\_H) to the 1-inch top (HT\_1).

**214. ST\_WDBK\_DW\_10**

Stem wood and bark dry weight to a 10-inch top. The oven-dry weight, in pounds, of the stem wood and bark from the stump (SP\_H) to the 10-inch top (HT\_10).

**215. ST\_WDBK\_DW\_11**

Stem wood and bark dry weight to an 11-inch top. The oven-dry weight, in pounds, of the stem wood and bark from the stump (SP\_H) to the 11-inch top (HT\_11)

**216. ST\_WDBK\_DW\_2**

Stem wood and bark dry weight to a 2-inch top. The oven-dry weight, in pounds, of the stem wood and bark from the stump (SP\_H) to the 2-inch top (HT\_2)

**217. ST\_WDBK\_DW\_4**

Stem wood and bark dry weight to a 4-inch top. The oven-dry weight, in pounds, of the stem wood and bark from the stump (SP\_H) to the 4-inch top (HT\_4)

**218. ST\_WDBK\_DW\_6**

Stem wood and bark dry weight to a 6-inch top. The oven-dry weight, in pounds, of the stem wood and bark from the stump (SP\_H) to the 6-inch top (HT\_6)

**219. ST\_WDBK\_DW\_7**

Stem wood and bark dry weight to a 7-inch top. The oven-dry weight, in pounds, of the stem wood and bark from the stump (SP\_H) to the 7-inch top (HT\_7)

**220. ST\_WDBK\_DW\_8**

Stem wood and bark dry weight to an 8-inch top. The oven-dry weight, in pounds, of the stem wood and bark from the stump (SP\_H) to the 8-inch top (HT\_8)

**221. ST\_WDBK\_DW\_9**

Stem wood and bark dry weight to a 9-inch top. The oven-dry weight, in pounds, of the stem wood and bark from the stump (SP\_H) to the 9-inch top (HT\_9)

**222. ST\_WDBK\_DW\_MR**

Stem wood and bark dry weight to the merchantable top. The oven-dry weight, in pounds, of the stem wood and bark from the stump (SP\_H) to the merchantable top (HT\_MR).

**223. TP\_BK\_DW**

Top bark dry weight. The oven-dry weight, in pounds, of the stem bark from the minimum stem diameter (DSTEM\_MIN) to the stem tip.

**224. TP\_BK\_DW\_1**

Top bark dry weight from a 1-inch top. The oven-dry weight, in pounds, of the stem bark from the 1-inch top (HT\_1) to the stem tip.

**225. TP\_BK\_DW\_10**

Top bark dry weight from a 10-inch top. The oven-dry weight, in pounds, of the stem bark from the 10-inch top (HT\_10) to the stem tip.

**226. TP\_BK\_DW\_11**

Top bark dry weight from an 11-inch top. The oven-dry weight, in pounds, of the stem bark from the 11-inch top (HT\_11) to the stem tip.

**227. TP\_BK\_DW\_2**

Top bark dry weight from a 2-inch top. The oven-dry weight, in pounds, of the stem bark from the 2-inch top (HT\_2) to the stem tip.

**228. TP\_BK\_DW\_4**

Top bark dry weight from a 4-inch top. The oven-dry weight, in pounds, of the stem bark from the 4-inch top (HT\_4) to the stem tip.

**229. TP\_BK\_DW\_6**

Top bark dry weight from a 6-inch top. The oven-dry weight, in pounds, of the stem bark from the 6-inch top (HT\_6) to the stem tip.

**230. TP\_BK\_DW\_7**

Top bark dry weight from a 7-inch top. The oven-dry weight, in pounds, of the stem bark from the 7-inch top (HT\_7) to the stem tip.

**231. TP\_BK\_DW\_8**

Top bark dry weight from an 8-inch top. The oven-dry weight, in pounds, of the stem bark from the 8-inch top (HT\_8) to the stem tip.

**232. TP\_BK\_DW\_9**

Top bark dry weight from a 9-inch top. The oven-dry weight, in pounds, of the stem bark from the 9-inch top (HT\_9) to the stem tip.

**233. TP\_BK\_DW\_MR**

Top bark dry weight from the merchantable top. The oven-dry weight, in pounds, of the stem bark from the merchantable top (HT\_MR) to the stem tip.

**234. TP\_WD\_DW**

Top wood dry weight. The oven-dry weight, in pounds, of the stem wood from the minimum stem diameter (DSTEM\_MIN) to the stem tip.

**235. TP\_WD\_DW\_1**

Top wood dry weight from a 1-inch top. The oven-dry weight, in pounds, of the stem wood from the 1-inch top (HT\_1) to the stem tip.

**236. TP\_WD\_DW\_10**

Top wood dry weight from a 10-inch top. The oven-dry weight, in pounds, of the stem wood from the 10-inch top (HT\_10) to the stem tip.

**237. TP\_WD\_DW\_11**

Top wood dry weight from an 11-inch top. The oven-dry weight, in pounds, of the stem wood from the 11-inch top (HT\_11) to the stem tip.

**238. TP\_WD\_DW\_2**

Top wood dry weight from a 2-inch top. The oven-dry weight, in pounds, of the stem wood from the 2-inch top (HT\_2) to the stem tip.

**239. TP\_WD\_DW\_4**

Top wood dry weight from a 4-inch top. The oven-dry weight, in pounds, of the stem wood from the 4-inch top (HT\_4) to the stem tip.

**240. TP\_WD\_DW\_6**

Top wood dry weight from a 6-inch top. The oven-dry weight, in pounds, of the stem wood from the 6-inch top (HT\_6) to the stem tip.

**241. TP\_WD\_DW\_7**

Top wood dry weight from a 7-inch top. The oven-dry weight, in pounds, of the stem wood from the 7-inch top (HT\_7) to the stem tip.

**242. TP\_WD\_DW\_8**

Top wood dry weight from an 8-inch top. The oven-dry weight, in pounds, of the stem wood from the 8-inch top (HT\_8) to the stem tip.

**243. TP\_WD\_DW\_9**

Top wood dry weight from a 9-inch top. The oven-dry weight, in pounds, of the stem wood from the 9-inch top (HT\_9) to the stem tip.

**244. TP\_WD\_DW\_MR**

Top wood dry weight from the merchantable top. The oven-dry weight, in pounds, of the stem wood from the merchantable top (HT\_MR) to the stem tip.

**245. TP\_WDBK\_DW**

Top wood and bark dry weight. The oven-dry weight, in pounds, of the stem wood and bark from the minimum stem diameter (DSTEM\_MIN) to the stem tip.

**246. TP\_WDBK\_DW\_1**

Top wood and bark dry weight from a 1-inch top. The oven-dry weight, in pounds, of the stem wood and bark from the 1-inch top (HT\_1) to the stem tip.

**247. TP\_WDBK\_DW\_10**

Top wood and bark dry weight from a 10-inch top. The oven-dry weight, in pounds, of the stem wood and bark from the 10-inch top (HT\_10) to the stem tip.

**248. TP\_WDBK\_DW\_11**

Top wood and bark dry weight from an 11-inch top. The oven-dry weight, in pounds, of the stem wood and bark from the 11-inch top (HT\_11) to the stem tip.

**249. TP\_WDBK\_DW\_2**

Top wood and bark dry weight from a 2-inch top. The oven-dry weight, in pounds, of the stem wood and bark from the 2-inch top (HT\_2) to the stem tip.

**250. TP\_WDBK\_DW\_4**

Top wood and bark dry weight from a 4-inch top. The oven-dry weight, in pounds, of the stem wood and bark from the 4-inch top (HT\_4) to the stem tip.

**251. TP\_WDBK\_DW\_6**

Top wood and bark dry weight from a 6-inch top. The oven-dry weight, in pounds, of the stem wood and bark from the 6-inch top (HT\_6) to the stem tip.

**252. TP\_WDBK\_DW\_7**

Top wood and bark dry weight from a 7-inch top. The oven-dry weight, in pounds, of the stem wood and bark from the 7-inch top (HT\_7) to the stem tip.

**253. TP\_WDBK\_DW\_8**

Top wood and bark dry weight from the 8-inch top. The oven-dry weight, in pounds, of the stem wood and bark from the 8-inch top (HT\_8) to the stem tip.

**254. TP\_WDBK\_DW\_9**

Top wood and bark dry weight from a 9-inch top. The oven-dry weight, in pounds, of the stem wood and bark from the 9-inch top (HT\_9) to the stem tip.

**255. TP\_WDBK\_DW\_MR**

Top wood and bark dry weight from the merchantable top. The oven-dry weight, in pounds, of the stem wood and bark from the merchantable top (HT\_MR) to the stem tip.

**256. TT\_BK\_DW**

Total tree bark dry weight. The oven-dry weight, in pounds, of the total tree (above-stump) bark.

**257. TT\_WD\_DW**

Total tree wood dry weight. The oven-dry weight, in pounds, of the total tree (above-stump) wood.

**258. TW\_DW\_NEW**

New twig dry weight. The oven-dry weight, in pounds, of the new twig (current year's growth).

**259. TW\_DW\_OLD**

Old twig dry weight. The oven-dry weight, in pounds, of the old twig (as opposed to current growth).

**260. TWFOL\_DW**

Twig and foliage dry weight. The oven-dry weight, in pounds, of the twigs and foliage.

**261. ST\_FC**

Form class. The ratio of the diameter inside bark at 17.3 feet to the diameter outside bark at 4.5 feet (ST\_OB\_D\_BH).

**262. BRL\_BK\_GW**

Live branch bark green weight. The green weight, in pounds, of all live branch bark.

- 263. BRL\_BK\_GW\_LG**  
Large branch bark green weight. The green weight, in pounds, of the large live branch bark.
- 264. BRL\_BK\_GW\_MD**  
Medium live branch bark green weight. The green weight, in pounds, of the medium live branch bark.
- 265. BRL\_BK\_GW\_SM**  
Small live branch bark green weight. The green weight, in pounds, of the small live branch bark.
- 266. BRL\_BK\_GW\_XL**  
Extra-large live branch bark green weight. The green weight, in pounds, of the extra-large branch bark.
- 267. BRL\_WD\_GW**  
Live branch wood green weight. The green weight, in pounds, of all live branch wood.
- 268. BRL\_WD\_GW\_LG**  
Large live branch wood green weight. The green weight, in pounds, of the large live branch wood.
- 269. BRL\_WD\_GW\_MD**  
Medium live branch wood green weight. The green weight, in pounds, of the medium live branch wood.
- 270. BRL\_WD\_GW\_SM**  
Small live branch wood green weight. The green weight, in pounds, of the small live branch wood.
- 271. BRL\_WD\_GW\_XL**  
Extra-large live branch wood green weight. The green weight, in pounds, of the extra-large live branch wood.
- 272. BRL\_WDBK\_GW\_LG**  
Large live branch wood and bark green weight. The green weight, in pounds, of the large live branch wood and bark.
- 273. BRL\_WDBK\_GW\_MD**  
Medium live branch wood and bark green weight. The green weight, in pounds, of the medium live branch wood and bark.
- 274. BRL\_WDBK\_GW\_SM**  
Small live branch wood and bark green weight. The green weight, in pounds, of the small live branch wood and bark.



- 275. BRL\_WDBK\_GW\_XL**  
Extra-large live branch wood and bark green weight. The green weight, in pounds, of the extra-large live branch.
- 276. CT\_GW**  
Complete tree green weight. The green weight, in pounds, of the complete tree including all above ground and below ground components.
- 277. RT\_BK\_GW**  
Root bark green weight. The green weight, in pounds, of all root bark.
- 278. RT\_WD\_GW**  
Root wood green weight. The green weight, in pounds, of all root wood.
- 279. RT\_WDBK\_GW**  
Root wood and bark green weight. The green weight, in pounds, of all root wood and bark.
- 280. RT\_WDBK\_GW\_LG**  
Large root wood and bark green weight. The green weight, in pounds, of the large root wood and bark.
- 281. RT\_WDBK\_GW\_SM**  
Small root wood and bark green weight. The green weight, in pounds, of the small root wood and bark.
- 282. ST\_BK\_GW\_1**  
Stem bark green weight to a 1-inch top. The green weight, in pounds, of the stem bark from the stump (SP\_H) to the 1-inch top (HT\_1).
- 283. ST\_BK\_GW\_10**  
Stem bark green weight to a 10-inch top. The green weight, in pounds, of the stem bark from the stump (SP\_H) to the 10-inch top (HT\_10).
- 284. ST\_BK\_GW\_11**  
Stem bark green weight to an 11-inch top. The green weight, in pounds, of the stem bark from the stump (SP\_H) to the 11-inch top (HT\_11).
- 285. ST\_BK\_GW\_2**  
Stem bark green weight to a 2-inch top. The green weight, in pounds, of the stem bark from the stump (SP\_H) to the 2-inch top (HT\_2).
- 286. ST\_BK\_GW\_4**

Stem bark green weight to a 4-inch top. The green weight, in pounds, of the stem bark from the stump (SP\_H) to the 4-inch top (HT\_4).

**287. ST\_BK\_GW\_6**

Stem bark green weight to a 6-inch top. The green weight, in pounds, of the stem bark from the stump (SP\_H) to the 6-inch top (HT\_6).

**288. ST\_BK\_GW\_7**

Stem bark green weight to a 7-inch top. The green weight, in pounds, of the stem bark from the stump (SP\_H) to the 7-inch top (HT\_7).

**289. ST\_BK\_GW\_8**

Stem bark green weight to an 8-inch top. The green weight, in pounds, of the stem bark from the stump (SP\_H) to the 8-inch top (HT\_8).

**290. ST\_BK\_GW\_9**

Stem bark green weight to a 9-inch top. The green weight, in pounds, of the stem bark from the stump (SP\_H) to the 9-inch top (HT\_9).

**291. ST\_BK\_GW\_MR**

Stem bark green weight to the merchantable top. The green weight, in pounds, of the stem bark from the stump (SP\_H) to the merchantable top (HT\_MR).

**292. ST\_WD\_GW\_1**

Stem wood green weight to a 1-inch top. The green weight, in pounds, of the stem wood from the stump (SP\_H) to the 1-inch top (HT\_1).

**293. ST\_WD\_GW\_10**

Stem wood green weight to a 10-inch top. The green weight, in pounds, of the stem wood from the stump (SP\_H) to the 10-inch top (HT\_10).

**294. ST\_WD\_GW\_11**

Stem wood green weight to an 11-inch top. The green weight, in pounds, of the stem wood from the stump (SP\_H) to the 11-inch top (HT\_11).

**295. ST\_WD\_GW\_2**

Stem wood green weight to a 2-inch top. The green weight, in pounds, of the stem wood from the stump (SP\_H) to the 2-inch top (HT\_2).

**296. ST\_WD\_GW\_3**

Stem wood green weight to a 3-inch top. The green weight, in pounds, of the stem wood from the stump (SP\_H) to the 3-inch top (HT\_3).

**297. ST\_WD\_GW\_4**

Stem wood green weight to a 4-inch top. The green weight, in pounds, of the stem wood from the stump (SP\_H) to the 4-inch top (HT\_4).

**298. ST\_WD\_GW\_6**

Stem wood green weight to a 6-inch top. The green weight, in pounds, of the stem wood from the stump (SP\_H) to the 6-inch top (HT\_6).

**299. ST\_WD\_GW\_7**

Stem wood green weight to a 7-inch top. The green weight, in pounds, of the stem wood from the stump (SP\_H) to the 7-inch top (HT\_7).

**300. ST\_WD\_GW\_8**

Stem wood green weight to an 8-inch top. The green weight, in pounds, of the stem wood from the stump (SP\_H) to the 8-inch top (HT\_8).

**301. ST\_WD\_GW\_9**

Stem wood green weight to a 9-inch top. The green weight, in pounds, of the stem wood from the stump (SP\_H) to the 9-inch top (HT\_9).

**302. ST\_WD\_GW\_MR**

Stem wood green weight to the merchantable top. The green weight, in pounds, of the stem wood from the stump (SP\_H) to the merchantable top (HT\_MR).

**303. ST\_WDBK\_GW\_1**

Stem wood and bark green weight to a 1-inch top. The green weight, in pounds, of the stem wood and bark from the stump (SP\_H) to the 1-inch top (HT\_1).

**304. ST\_WDBK\_GW\_10**

Stem wood and bark green weight to a 10-inch top. The green weight, in pounds, of the stem wood and bark from the stump (SP\_H) to the 10-inch top (HT\_10).

**305. ST\_WDBK\_GW\_11**

Stem wood and bark green weight to an 11-inch top. The green weight, in pounds, of the stem wood and bark from the stump (SP\_H) to the 11-inch top (HT\_11).

**306. ST\_WDBK\_GW\_2**

Stem wood and bark green weight to a 2-inch top. The green weight, in pounds, of the stem wood and bark from the stump (SP\_H) to the 2-inch top (HT\_2).

**307. ST\_WDBK\_GW\_3**

Stem wood and bark green weight to a 3-inch top. The green weight, in pounds, of the stem wood and bark from the stump (SP\_H) to the 3-inch top (HT\_3).

**308. ST\_WDBK\_GW\_4**

Stem wood and bark green weight to a 4-inch top. The green weight, in pounds, of the stem wood and bark from the stump (SP\_H) to the 4-inch top (HT\_4).

**309. ST\_WDBK\_GW\_6**

Stem wood and bark green weight to a 6-inch top. The green weight, in pounds, of the stem wood and bark from the stump (SP\_H) to the 6-inch top (HT\_6).

**310. ST\_WDBK\_GW\_7**

Stem wood and bark green weight to a 7-inch top. The green weight, in pounds, of the stem wood and bark from the stump (SP\_H) to the 7-inch top (HT\_7).

**311. ST\_WDBK\_GW\_8**

Stem wood and bark green weight to an 8-inch top. The green weight, in pounds, of the stem wood and bark from the stump (SP\_H) to the 8-inch top (HT\_8).

**312. ST\_WDBK\_GW\_9**

Stem wood and bark green weight to a 9-inch top. The green weight, in pounds, of the stem wood and bark from the stump (SP\_H) to the 9-inch top (HT\_9).

**313. ST\_WDBK\_GW\_MR**

Stem wood and bark green weight to the merchantable top. The green weight, in pounds, of the stem wood and bark from the stump (SP\_H) to the merchantable top (HT\_MR).

**314. TP\_BK\_GW**

Top bark green weight. The green weight, in pounds, of the stem bark from the specified minimum top diameter (DSTEM\_MIN) to the stem tip.

**315. TP\_BK\_GW\_1**

Top bark green weight from a 1-inch top. The green weight, in pounds, of the stem bark from the 1-inch top (HT\_1) to the stem tip.

**316. TP\_BK\_GW\_10**

Top bark green weight from a 10-inch top. The green weight, in pounds, of the stem bark from the 10-inch top (HT\_10) to the stem tip.

**317. TP\_BK\_GW\_11**

Top bark green weight from an 11-inch top. The green weight, in pounds, of the stem bark from the 11-inch top (HT\_11) to the stem tip.

**318. TP\_BK\_GW\_2**

Top bark green weight from a 2-inch top. The green weight, in pounds, of the stem bark from the 2-inch top (HT\_2) to the stem tip.

**319. TP\_BK\_GW\_4**

Top bark green weight from a 4-inch top. The green weight, in pounds, of the stem bark from the 4-inch top (HT\_4) to the stem tip.

**320. TP\_BK\_GW\_6**

Top bark green weight from a 6-inch top. The green weight, in pounds, of the stem bark from the 6-inch top (HT\_6) to the stem tip.

**321. TP\_BK\_GW\_7**

Top bark green weight from a 7-inch top. The green weight, in pounds, of the stem bark from the 7-inch top (HT\_7) to the stem tip.

**322. TP\_BK\_GW\_8**

Top bark green weight from an 8-inch top. The green weight, in pounds, of the stem bark from the 8-inch top (HT\_8) to the stem tip.

**323. TP\_BK\_GW\_9**

Top bark green weight from a 9-inch top. The green weight, in pounds, of the stem bark from the 9-inch top (HT\_9) to the stem tip.

**324. TP\_BK\_GW\_MR**

Top bark green weight from a merchantable top. The green weight, in pounds, of the stem bark from the merchantable top (HT\_MR) to the stem tip.

**325. TP\_WD\_GW**

Top wood green weight. The green weight, in pounds, of the stem wood from the specified minimum top diameter (DSTEM\_MIN) to the stem tip.

**326. TP\_WD\_GW\_1**

Top wood green weight from a 1-inch top. The green weight, in pounds, of the stem wood from the 1-inch top (HT\_1) to the stem tip.

**327. TP\_WD\_GW\_10**

Top wood green weight from a 10-inch top. The green weight, in pounds, of the stem wood from the 10-inch top (HT\_10) to the stem tip.

**328. TP\_WD\_GW\_11**

Top wood green weight from an 11-inch top. The green weight, in pounds, of the stem wood from the 11-inch top (HT\_11) to the stem tip.

**329. TP\_WD\_GW\_2**

Top wood green weight from a 2-inch top. The green weight, in pounds, of the stem wood from the 2-inch top (HT\_2) to the stem tip.

- 330. TP\_WD\_GW\_4**  
Top wood green weight from a 4-inch top. The green weight, in pounds, of the stem wood from the 4-inch top (HT\_4) to the stem tip.
- 331. TP\_WD\_GW\_6**  
Top wood green weight from a 6-inch top. The green weight, in pounds, of the stem wood from the 6-inch top (HT\_6) to the stem tip.
- 332. TP\_WD\_GW\_7**  
Top wood green weight from a 7-inch top. The green weight, in pounds, of the stem wood from the 7-inch top (HT\_7) to the stem tip.
- 333. TP\_WD\_GW\_8**  
Top wood green weight from an 8-inch top. The green weight, in pounds, of the stem wood from the 8-inch top (HT\_8) to the stem tip.
- 334. TP\_WD\_GW\_9**  
Top wood green weight from a 9-inch top. The green weight, in pounds, of the stem wood from the 9-inch top (HT\_9) to the stem tip.
- 335. TP\_WD\_GW\_MR**  
Top wood green weight from the merchantable top. The green weight, in pounds, of the stem wood from the merchantable top (HT\_MR) to the stem tip.
- 336. TP\_WDBK\_GW**  
Top wood and bark green weight. The green weight, in pounds, of the stem wood and bark from the specified minimum top diameter (DSTEM\_MIN) to the stem tip.
- 337. TP\_WDBK\_GW\_1**  
Top wood and bark green weight from a 1-inch top. The green weight, in pounds, of the stem wood and bark from the 1-inch top (HT\_1) to the stem tip.
- 338. TP\_WDBK\_GW\_10**  
Top wood and bark green weight from a 10-inch top. The green weight, in pounds, of the stem wood and bark from the 10-inch top (HT\_10) to the stem tip.
- 339. TP\_WDBK\_GW\_11**  
Top wood and bark green weight from an 11-inch top. The green weight, in pounds, of the stem wood and bark from the 11-inch top (HT\_11) to the stem tip.
- 340. TP\_WDBK\_GW\_2**  
Top wood and bark green weight from a 2-inch top. The green weight, in pounds, of the stem wood and bark from the 2-inch top (HT\_2) to the stem tip.

- 341. TP\_WDBK\_GW\_4**  
Top wood and bark green weight from a 4-inch top. The green weight, in pounds, of the stem wood and bark from the 4-inch top (HT\_4) to the stem tip.
- 342. TP\_WDBK\_GW\_6**  
Top wood and bark green weight from a 6-inch top. The green weight, in pounds, of the stem wood and bark from the 6-inch top (HT\_6) to the stem tip.
- 343. TP\_WDBK\_GW\_7**  
Top wood and bark green weight from a 7-inch top. The green weight, in pounds, of the stem wood and bark from the 7-inch top (HT\_7) to the stem tip.
- 344. TP\_WDBK\_GW\_8**  
Top wood and bark green weight from an 8-inch top. The green weight, in pounds, of the stem wood and bark from the 8-inch top (HT\_8) to the stem tip.
- 345. TP\_WDBK\_GW\_9**  
Top wood and bark green weight from a 9-inch top. The green weight, in pounds, of the stem wood and bark from the 9-inch top (HT\_9) to the stem tip.
- 346. TP\_WDBK\_GW\_MR**  
Top wood and bark green weight from the merchantable top. The green weight, in pounds, of the stem wood and bark from the merchantable top (HT\_MR) to the stem tip.
- 347. TT\_BK\_GW**  
Total tree bark green weight. The green weight, in pounds, of the total tree (above stump) bark.
- 348. TT\_WD\_GW**  
Total tree wood green weight. The green weight, in pounds, of the total tree (above stump) wood.
- 349. TWFOL\_GW**  
Twig and foliage green weight. The green weight, in pounds, of the twig and foliage component.
- 350. ST\_HT\_1**  
Stem height to a 1-inch top. The height of the stem, in feet, measured from the ground line to the 1-inch top.
- 351. ST\_HT\_10**  
Stem height to a 10-inch top. The height of the stem, in feet, measured from the ground line to the 10-inch top.

- 352. ST\_HT\_11**  
Stem height to an 11-inch top. The height of the stem, in feet, measured from the ground line to the 11-inch top.
- 353. ST\_HT\_2**  
Stem height to a 2-inch top. The height of the stem, in feet, measured from the ground line to the 2-inch top.
- 354. ST\_HT\_3**  
Stem height to a 3-inch top. The height of the stem, in feet, measured from the ground line to the 3-inch top.
- 355. ST\_HT\_4**  
Stem height to a 4-inch top. The height of the stem, in feet, measured from the ground line to the 4-inch top.
- 356. ST\_HT\_6**  
Stem height to a 6-inch top. The height of the stem, in feet, measured from the ground line to the 6-inch top.
- 357. ST\_HT\_7**  
Stem height to a 7-inch top. The height of the stem, in feet, measured from the ground line to the 7-inch top.
- 358. ST\_HT\_8**  
Stem height to an 8-inch top. The height of the stem, in feet, measured from the ground line to the 8-inch top.
- 359. ST\_HT\_9**  
Stem height to a 9-inch top. The height of the stem, in feet, measured from the ground line to the 9-inch top.
- 360. ST\_HT\_MR**  
Merchantable height. The height of the tree, in feet, measured from the ground line to the merchantable top diameter (DO\_MR).
- 361. ST\_HT\_TOP**  
Height to top diameter limit. The height of the stem, in feet, measured from the ground line to a specified top diameter limit (DSTEM\_MIN).
- 362. BRL\_BK\_MC**  
Live branch bark moisture content. The weight of moisture in all live branch bark, expressed as a percentage of oven-dry weight (i.e.,  $(BRL\_BK\_GW - BRL\_BK\_DW) / BRL\_BK\_DW * 100\%$ ).



- 363. BRL\_BK\_MC\_LG**  
Large live branch bark moisture content. The weight of moisture in the large live branch bark, expressed as a percentage of oven-dry weight (i.e.,  $(BRL\_BK\_GW - BRL\_BK\_DW) / BRL\_BK\_DW * 100\%$ ).
- 364. BRL\_BK\_MC\_MD**  
Medium live branch bark moisture content. The weight of moisture in the medium live branch bark, expressed as a percentage of oven-dry weight (i.e.,  $(BRL\_BK\_GW - BRL\_BK\_DW) / BRL\_BK\_DW * 100\%$ ).
- 365. BRL\_BK\_MC\_SM**  
Small live branch bark moisture content. The weight of moisture in the small live branch bark, expressed as a percentage of oven-dry weight (i.e.,  $(BRL\_BK\_GW - BRL\_BK\_DW) / BRL\_BK\_DW * 100\%$ ).
- 366. BRL\_BK\_MC\_XL**  
Extra-large live branch bark moisture content. The weight of moisture in the extra-large live branch bark, expressed as a percentage of oven-dry weight (i.e.,  $(BRL\_BK\_GW - BRL\_BK\_DW) / BRL\_BK\_DW * 100\%$ ).
- 367. BRL\_WD\_MC**  
Live branch wood moisture content. The weight of moisture in all live branch wood, expressed as a percentage of oven-dry weight (i.e.,  $(BRL\_WD\_GW - BRL\_WD\_DW) / BRL\_WD\_DW * 100\%$ ).
- 368. BRL\_WD\_MC\_LG**  
Large live branch wood moisture content. The weight of moisture in the large live branch wood, expressed as a percentage of oven-dry weight (i.e.,  $(BRL\_WD\_GW - BRL\_WD\_DW) / BRL\_WD\_DW * 100\%$ ).
- 369. BRL\_WD\_MC\_MD**  
Medium live branch wood moisture content. The weight of moisture in the medium live branch wood, expressed as a percentage of oven-dry weight (i.e.,  $(BRL\_WD\_GW - BRL\_WD\_DW) / BRL\_WD\_DW * 100\%$ ).
- 370. BRL\_WD\_MC\_SM**  
Small live branch wood moisture content. The weight of moisture in the small live branch wood, expressed as a percentage of oven-dry weight (i.e.,  $(BRL\_WD\_GW - BRL\_WD\_DW) / BRL\_WD\_DW * 100\%$ ).
- 371. BRL\_WD\_MC\_XL**  
Extra-large live branch wood moisture content. The weight of moisture in the extra-large live branch wood, expressed as a percentage of oven-dry weight (i.e.,  $(BRL\_WD\_GW - BRL\_WD\_DW) / BRL\_WD\_DW * 100\%$ ).

- 372. BRL\_WDBK\_MC\_LG**  
Large live branch wood and bark moisture content. The weight of moisture in the large live branch wood and bark, expressed as a percentage of oven-dry weight (i.e.,  $(BRL\_WDBK\_GW - BRL\_WDBK\_DW) / BRL\_WDBK\_DW * 100\%$ ).
- 373. BRL\_WDBK\_MC\_MD**  
Medium live branch wood and bark moisture content. The weight of moisture in the medium live branch wood and bark, expressed as a percentage of oven-dry weight (i.e.,  $(BRL\_WDBK\_GW - BRL\_WDBK\_DW) / BRL\_WDBK\_DW * 100\%$ ).
- 374. BRL\_WDBK\_MC\_SM**  
Small live branch wood and bark moisture content. The weight of moisture in the small live branch wood and bark, expressed as a percentage of oven-dry weight (i.e.,  $(BRL\_WDBK\_GW - BRL\_WDBK\_DW) / BRL\_WDBK\_DW * 100\%$ ).
- 375. BRL\_WDBK\_MC\_XL**  
Extra-large live branch wood and bark moisture content. The weight of moisture in the extra-large live branch wood and bark, expressed as a percentage of oven-dry weight (i.e.,  $(BRL\_WDBK\_GW - BRL\_WDBK\_DW) / BRL\_WDBK\_DW * 100\%$ ).
- 376. RT\_BK\_MC**  
Root bark moisture content. The weight of moisture in all root bark, expressed as a percentage of oven-dry weight (i.e.,  $(RT\_BK\_GW - RT\_BK\_DW) / RT\_BK\_DW * 100\%$ ).
- 377. RT\_WD\_MC**  
Root wood moisture content. The weight of moisture in all root wood, expressed as a percentage of oven-dry weight (i.e.,  $(RT\_WD\_GW - RT\_WD\_DW) / RT\_WD\_DW * 100\%$ ).
- 378. RT\_WDBK\_MC**  
Root wood and bark moisture content. The weight of moisture in all root wood and bark, expressed as a percentage of oven-dry weight (i.e.,  $(RT\_WDBK\_GW - RT\_WDBK\_DW) / RT\_WDBK\_DW * 100\%$ ).
- 379. ST\_BK\_MC\_1**  
Stem bark moisture content to a 1-inch top. The weight of moisture in the stem from the stump (SP\_H) to the 1-inch top (HT\_1), expressed as a percentage of oven-dry weight (i.e.,  $(ST\_BK\_GW - ST\_BK\_DW) / ST\_BK\_DW * 100\%$ ).
- 380. ST\_BK\_MC\_10**  
Stem bark moisture content to a 10-inch top. The weight of moisture in the stem from the stump (SP\_H) to the 10-inch top (HT\_10), expressed as a percentage of oven-dry weight (i.e.,  $(ST\_BK\_GW - ST\_BK\_DW) / ST\_BK\_DW * 100\%$ ).
- 381. ST\_BK\_MC\_11**

Stem bark moisture content to an 11-inch top. The weight of moisture in the stem from the stump (SP\_H) to the 11-inch top (HT\_11), expressed as a percentage of oven-dry weight (i.e.,  $(ST\_BK\_GW - ST\_BK\_DW) / ST\_BK\_DW * 100\%$ ).

**382. ST\_BK\_MC\_2**

Stem bark moisture content to a 2-inch top. The weight of moisture in the stem from the stump (SP\_H) to the 2-inch top (HT\_2), expressed as a percentage of oven-dry weight (i.e.,  $(ST\_BK\_GW - ST\_BK\_DW) / ST\_BK\_DW * 100\%$ ).

**383. ST\_BK\_MC\_4**

Stem bark moisture content to a 4-inch top. The weight of moisture in the stem from the stump (SP\_H) to the 4-inch top (HT\_4), expressed as a percentage of oven-dry weight (i.e.,  $(ST\_BK\_GW - ST\_BK\_DW) / ST\_BK\_DW * 100\%$ ).

**384. ST\_BK\_MC\_42**

Stem bark moisture content from a 4-inch to a 2-inch top. The weight of moisture in the stem from the 4 inch top (HT\_4) to the 2-inch top (HT\_2), expressed as a percentage of oven-dry weight (i.e.,  $(ST\_BK\_GW - ST\_BK\_DW) / ST\_BK\_DW * 100\%$ ).

**385. ST\_BK\_MC\_6**

Stem bark moisture content to a 6-inch top. The weight of moisture in the stem from the stump (SP\_H) to the 6-inch top (HT\_6), expressed as a percentage of oven-dry weight (i.e.,  $(ST\_BK\_GW - ST\_BK\_DW) / ST\_BK\_DW * 100\%$ ).

**386. ST\_BK\_MC\_7**

Stem bark moisture content to a 7-inch top. The weight of moisture in the stem from the stump (SP\_H) to the 7-inch top (HT\_7), expressed as a percentage of oven-dry weight (i.e.,  $(ST\_BK\_GW - ST\_BK\_DW) / ST\_BK\_DW * 100\%$ ).

**387. ST\_BK\_MC\_8**

Stem bark moisture content to an 8-inch top. The weight of moisture in the stem from the stump (SP\_H) to the 8-inch top (HT\_8), expressed as a percentage of oven-dry weight (i.e.,  $(ST\_BK\_GW - ST\_BK\_DW) / ST\_BK\_DW * 100\%$ ).

**388. ST\_BK\_MC\_9**

Stem bark moisture content to a 9-inch top. The weight of moisture in the stem from the stump (SP\_H) to the 9-inch top (HT\_9), expressed as a percentage of oven-dry weight (i.e.,  $(ST\_BK\_GW - ST\_BK\_DW) / ST\_BK\_DW * 100\%$ ).

**389. ST\_BK\_MC\_94**

Stem bark moisture content from a 9-inch to a 4-inch top. The weight of moisture in the stem from the 9-inch top (HT\_9) to the 4-inch top (HT\_4), expressed as a percentage of oven-dry weight (i.e.,  $(ST\_BK\_GW - ST\_BK\_DW) / ST\_BK\_DW * 100\%$ ).

**390. ST\_WD\_MC\_1**

Stem wood moisture content to a 1-inch top. The weight of moisture in the stem from the stump (SP\_H) to the 1-inch top (HT\_1), expressed as a percentage of oven-dry weight (i.e.,  $(ST\_WD\_GW - ST\_WD\_DW) / ST\_WD\_DW * 100\%$ ).

**391. ST\_WD\_MC\_10**

Stem wood moisture content to a 10-inch top. The weight of moisture in the stem from the stump (SP\_H) to the 10-inch top (HT\_10), expressed as a percentage of oven-dry weight (i.e.,  $(ST\_WD\_GW - ST\_WD\_DW) / ST\_WD\_DW * 100\%$ ).

**392. ST\_WD\_MC\_11**

Stem wood moisture content to an 11-inch top. The weight of moisture in the stem from the stump (SP\_H) to the 11-inch top (HT\_11), expressed as a percentage of oven-dry weight (i.e.,  $(ST\_WD\_GW - ST\_WD\_DW) / ST\_WD\_DW * 100\%$ ).

**393. ST\_WD\_MC\_2**

Stem wood moisture content to a 2-inch top. The weight of moisture in the stem from the stump (SP\_H) to the 2-inch top (HT\_2), expressed as a percentage of oven-dry weight (i.e.,  $(ST\_WD\_GW - ST\_WD\_DW) / ST\_WD\_DW * 100\%$ ).

**394. ST\_WD\_MC\_4**

Stem wood moisture content to a 4-inch top. The weight of moisture in the stem from the stump (SP\_H) to the 4-inch top (HT\_4), expressed as a percentage of oven-dry weight (i.e.,  $(ST\_WD\_GW - ST\_WD\_DW) / ST\_WD\_DW * 100\%$ ).

**395. ST\_WD\_MC\_42**

Stem wood moisture content from a 4-inch to a 2-inch top. The weight of moisture in the stem from the 4 inch top (HT\_4) to the 2-inch top (HT\_2), expressed as a percentage of oven-dry weight (i.e.,  $(ST\_WD\_GW - ST\_WD\_DW) / ST\_WD\_DW * 100\%$ ).

**396. ST\_WD\_MC\_6**

Stem wood moisture content to a 6-inch top. The weight of moisture in the stem from the stump (SP\_H) to the 6-inch top (HT\_6), expressed as a percentage of oven-dry weight (i.e.,  $(ST\_WD\_GW - ST\_WD\_DW) / ST\_WD\_DW * 100\%$ ).

**397. ST\_WD\_MC\_7**

Stem wood moisture content to a 7-inch top. The weight of moisture in the stem from the stump (SP\_H) to the 7-inch top (HT\_7), expressed as a percentage of oven-dry weight (i.e.,  $(ST\_WD\_GW - ST\_WD\_DW) / ST\_WD\_DW * 100\%$ ).

**398. ST\_WD\_MC\_8**

Stem wood moisture content to an 8-inch top. The weight of moisture in the stem from the stump (SP\_H) to the 8-inch top (HT\_8), expressed as a percentage of oven-dry weight (i.e.,  $(ST\_WD\_GW - ST\_WD\_DW) / ST\_WD\_DW * 100\%$ ).

**399. ST\_WD\_MC\_9**

Stem wood moisture content to a 9-inch top. The weight of moisture in the stem from the stump (SP\_H) to the 9-inch top (HT\_9), expressed as a percentage of oven-dry weight (i.e.,  $(ST\_WD\_GW - ST\_WD\_DW) / ST\_WD\_DW * 100\%$ ).

**400. ST\_WD\_MC\_94**

Stem wood moisture content from a 9-inch to a 4-inch top. The weight of moisture in the stem from the 9-inch top (HT\_9) to the 4-inch top (HT\_4), expressed as a percentage of oven-dry weight (i.e.,  $(ST\_WD\_GW - ST\_WD\_DW) / ST\_WD\_DW * 100\%$ ).

**401. ST\_WDBK\_MC\_1**

Stem wood and bark moisture content to a 1-inch top. The weight of moisture in the stem wood and bark from the stump (SP\_H) to the 1-inch top (HT\_1), expressed as a percentage of oven-dry weight (i.e.,  $(ST\_WDBK\_GW - ST\_WDBK\_DW) / ST\_WDBK\_DW * 100\%$ ).

**402. ST\_WDBK\_MC\_10**

Stem wood and bark moisture content to a 10-inch top. The weight of moisture in the stem wood and bark from the stump (SP\_H) to the 10-inch top (HT\_10), expressed as a percentage of oven-dry weight (i.e.,  $(ST\_WDBK\_GW - ST\_WDBK\_DW) / ST\_WDBK\_DW * 100\%$ ).

**403. ST\_WDBK\_MC\_11**

Stem wood and bark moisture content to an 11-inch top. The weight of moisture in the stem wood and bark from the stump (SP\_H) to the 11-inch top (HT\_11), expressed as a percentage of oven-dry weight (i.e.,  $(ST\_WDBK\_GW - ST\_WDBK\_DW) / ST\_WDBK\_DW * 100\%$ ).

**404. ST\_WDBK\_MC\_2**

Stem wood and bark moisture content to a 2-inch top. The weight of moisture in the stem wood and bark from the stump (SP\_H) to the 2-inch top (HT\_2), expressed as a percentage of oven-dry weight (i.e.,  $(ST\_WDBK\_GW - ST\_WDBK\_DW) / ST\_WDBK\_DW * 100\%$ ).

**405. ST\_WDBK\_MC\_4**

Stem wood and bark moisture content to a 4-inch top. The weight of moisture in the stem wood and bark from the stump (SP\_H) to the 4-inch top (HT\_4), expressed as a percentage of oven-dry weight (i.e.,  $(ST\_WDBK\_GW - ST\_WDBK\_DW) / ST\_WDBK\_DW * 100\%$ ).

**406. ST\_WDBK\_MC\_42**

Stem wood and bark moisture content from a 4-inch to a 2-inch top. The weight of moisture in the stem wood and bark from the 4 inch top (HT\_4) to the 2-inch top (HT\_2), expressed as a percentage of oven-dry weight (i.e.,  $(ST\_WDBK\_GW - ST\_WDBK\_DW) / ST\_WDBK\_DW * 100\%$ ).

**407. ST\_WDBK\_MC\_6**

Stem wood and bark moisture content to a 6-inch top. The weight of moisture in the stem wood and bark from the stump (SP\_H) to the 6-inch top (HT\_6), expressed as a percentage of oven-dry weight (i.e.,  $(ST\_WDBK\_GW - ST\_WDBK\_DW) / ST\_WDBK\_DW * 100\%$ ).

**408. ST\_WDBK\_MC\_7**

Stem wood and bark moisture content to a 7-inch top. The weight of moisture in the stem wood and bark from the stump (SP\_H) to the 7-inch top (HT\_7), expressed as a percentage of oven-dry weight (i.e.,  $(ST\_WDBK\_GW - ST\_WDBK\_DW) / ST\_WDBK\_DW * 100\%$ ).

**409. ST\_WDBK\_MC\_8**

Stem wood and bark moisture content to an 8-inch top. The weight of moisture in the stem wood and bark from the stump (SP\_H) to the 8-inch top (HT\_8), expressed as a percentage of oven-dry weight (i.e.,  $(ST\_WDBK\_GW - ST\_WDBK\_DW) / ST\_WDBK\_DW * 100\%$ ).

**410. ST\_WDBK\_MC\_9**

Stem wood and bark moisture content to a 9-inch top. The weight of moisture in the stem wood and bark from the stump (SP\_H) to the 9-inch top (HT\_9), expressed as a percentage of oven-dry weight (i.e.,  $(ST\_WDBK\_GW - ST\_WDBK\_DW) / ST\_WDBK\_DW * 100\%$ ).

**411. ST\_WDBK\_MC\_94**

Stem wood and bark moisture content from a 9-inch to a 4-inch top. The weight of moisture in the stem wood and bark from the 9-inch top (HT\_9) to the 4-inch top (HT\_4), expressed as a percentage of oven-dry weight (i.e.,  $(ST\_WDBK\_GW - ST\_WDBK\_DW) / ST\_WDBK\_DW * 100\%$ ).

**412. TP\_BK\_MC\_1**

Top bark moisture content from a 1-inch top. The weight of the moisture in the stem bark from the 1-inch top (HT\_1) to the stem tip, expressed as a percentage of oven-dry weight (i.e.,  $(TP\_BK\_GW - TP\_BK\_DW) / TP\_BK\_DW * 100\%$ ).

**413. TP\_BK\_MC\_10**

Top bark moisture content from a 10-inch top. The weight of the moisture in the stem bark from the 10-inch top (HT\_10) to the stem tip, expressed as a percentage of oven-dry weight (i.e.,  $(TP\_BK\_GW - TP\_BK\_DW) / TP\_BK\_DW * 100\%$ ).

**414. TP\_BK\_MC\_11**

Top bark moisture content from an 11-inch top. The weight of the moisture in the stem bark from the 11-inch top (HT\_11) to the stem tip, expressed as a percentage of oven-dry weight (i.e.,  $(TP\_BK\_GW - TP\_BK\_DW) / TP\_BK\_DW * 100\%$ ).

**415. TP\_BK\_MC\_2**

Top bark moisture content from a 2-inch top. The weight of the moisture in the stem bark from the 2-inch top (HT\_2) to the stem tip, expressed as a percentage of oven-dry weight (i.e.,  $(TP\_BK\_GW - TP\_BK\_DW) / TP\_BK\_DW * 100\%$ ).

- 416. TP\_BK\_MC\_4**  
Top bark moisture content from a 4-inch top. The weight of the moisture in the stem bark from the 4-inch top (HT\_4) to the stem tip, expressed as a percentage of oven-dry weight (i.e.,  $(TP\_BK\_GW - TP\_BK\_DW) / TP\_BK\_DW * 100\%$ ).
- 417. TP\_BK\_MC\_6**  
Top bark moisture content from a 6-inch top. The weight of the moisture in the stem bark from the 6-inch top (HT\_6) to the stem tip, expressed as a percentage of oven-dry weight (i.e.,  $(TP\_BK\_GW - TP\_BK\_DW) / TP\_BK\_DW * 100\%$ ).
- 418. TP\_BK\_MC\_7**  
Top bark moisture content from a 7-inch top. The weight of the moisture in the stem bark from the 7-inch top (HT\_7) to the stem tip, expressed as a percentage of oven-dry weight (i.e.,  $(TP\_BK\_GW - TP\_BK\_DW) / TP\_BK\_DW * 100\%$ ).
- 419. TP\_BK\_MC\_8**  
Top bark moisture content from an 8-inch top. The weight of the moisture in the stem bark from the 8-inch top (HT\_8) to the stem tip, expressed as a percentage of oven-dry weight (i.e.,  $(TP\_BK\_GW - TP\_BK\_DW) / TP\_BK\_DW * 100\%$ ).
- 420. TP\_BK\_MC\_9**  
Top bark moisture content from a 9-inch top. The weight of the moisture in the stem bark from the 9-inch top (HT\_9) to the stem tip, expressed as a percentage of oven-dry weight (i.e.,  $(TP\_BK\_GW - TP\_BK\_DW) / TP\_BK\_DW * 100\%$ ).
- 421. TP\_BK\_MC\_MR**  
Top bark moisture content from a merchantable top. The weight of the moisture in the stem bark from the merchantable top (HT\_MR) to the stem tip, expressed as a percentage of oven-dry weight (i.e.,  $(TP\_BK\_GW - TP\_BK\_DW) / TP\_BK\_DW * 100\%$ ).
- 422. TP\_WD\_MC\_1**  
Top wood moisture content from a 1-inch top. The weight of the moisture in the stem wood from the 1-inch top (HT\_1) to the stem tip, expressed as a percentage of oven-dry weight (i.e.,  $(TP\_WD\_GW - TP\_WD\_DW) / TP\_WD\_DW * 100\%$ ).
- 423. TP\_WD\_MC\_10**  
Top wood moisture content from a 10-inch top. The weight of the moisture in the stem wood from the 10-inch top (HT\_10) to the stem tip, expressed as a percentage of oven-dry weight (i.e.,  $(TP\_WD\_GW - TP\_WD\_DW) / TP\_WD\_DW * 100\%$ ).
- 424. TP\_WD\_MC\_11**  
Top wood moisture content from an 11-inch top. The weight of the moisture in the stem wood from the 11-inch top (HT\_11) to the stem tip, expressed as a percentage of oven-dry weight (i.e.,  $(TP\_WD\_GW - TP\_WD\_DW) / TP\_WD\_DW * 100\%$ ).

- 425. TP\_WD\_MC\_2**  
Top wood moisture content from a 2-inch top. The weight of the moisture in the stem wood from the 2-inch top (HT\_2) to the stem tip, expressed as a percentage of oven-dry weight (i.e.,  $(TP\_WD\_GW - TP\_WD\_DW) / TP\_WD\_DW * 100\%$ ).
- 426. TP\_WD\_MC\_4**  
Top wood moisture content from a 4-inch top. The weight of the moisture in the stem wood from the 4-inch top (HT\_4) to the stem tip, expressed as a percentage of oven-dry weight (i.e.,  $(TP\_WD\_GW - TP\_WD\_DW) / TP\_WD\_DW * 100\%$ ).
- 427. TP\_WD\_MC\_6**  
Top wood moisture content from a 6-inch top. The weight of the moisture in the stem wood from the 6-inch top (HT\_6) to the stem tip, expressed as a percentage of oven-dry weight (i.e.,  $(TP\_WD\_GW - TP\_WD\_DW) / TP\_WD\_DW * 100\%$ ).
- 428. TP\_WD\_MC\_7**  
Top wood moisture content from a 7-inch top. The weight of the moisture in the stem wood from the 7-inch top (HT\_7) to the stem tip, expressed as a percentage of oven-dry weight (i.e.,  $(TP\_WD\_GW - TP\_WD\_DW) / TP\_WD\_DW * 100\%$ ).
- 429. TP\_WD\_MC\_8**  
Top wood moisture content from an 8-inch top. The weight of the moisture in the stem wood from the 8-inch top (HT\_8) to the stem tip, expressed as a percentage of oven-dry weight (i.e.,  $(TP\_WD\_GW - TP\_WD\_DW) / TP\_WD\_DW * 100\%$ ).
- 430. TP\_WD\_MC\_9**  
Top wood moisture content from a 9-inch top. The weight of the moisture in the stem wood from the 9-inch top (HT\_9) to the stem tip, expressed as a percentage of oven-dry weight (i.e.,  $(TP\_WD\_GW - TP\_WD\_DW) / TP\_WD\_DW * 100\%$ ).
- 431. TP\_WD\_MC\_MR**  
Top wood moisture content from a merchantable top. The weight of the moisture in the stem wood from the merchantable top (HT\_MR) to the stem tip, expressed as a percentage of oven-dry weight (i.e.,  $(TP\_WD\_GW - TP\_WD\_DW) / TP\_WD\_DW * 100\%$ ).
- 432. TP\_WDBK\_MC\_1**  
Top wood and bark moisture content from a 1-inch top. The weight of the moisture in the stem wood and bark from the 1-inch top (HT\_1) to the stem tip, expressed as a percentage of oven-dry weight (i.e.,  $(TP\_WDBK\_GW - TP\_WDBK\_DW) / TP\_WDBK\_DW * 100\%$ ).
- 433. TP\_WDBK\_MC\_10**



Top wood and bark moisture content from a 10-inch top. The weight of the moisture in the stem wood and bark from the 10-inch top (HT\_10) to the stem tip, expressed as a percentage of oven-dry weight (i.e.,  $(TP\_WDBK\_GW - TP\_WDBK\_DW) / TP\_WDBK\_DW * 100\%$ ).

**434. TP\_WDBK\_MC\_11**

Top wood and bark moisture content from an 11-inch top. The weight of the moisture in the stem wood and bark from the 11-inch top (HT\_11) to the stem tip, expressed as a percentage of oven-dry weight (i.e.,  $(TP\_WDBK\_GW - TP\_WDBK\_DW) / TP\_WDBK\_DW * 100\%$ ).

**435. TP\_WDBK\_MC\_2**

Top wood and bark moisture content from a 2-inch top. The weight of the moisture in the stem wood and bark from the 2-inch top (HT\_2) to the stem tip, expressed as a percentage of oven-dry weight (i.e.,  $(TP\_WDBK\_GW - TP\_WDBK\_DW) / TP\_WDBK\_DW * 100\%$ ).

**436. TP\_WDBK\_MC\_4**

Top wood and bark moisture content from a 4-inch top. The weight of the moisture in the stem wood and bark from the 4-inch top (HT\_4) to the stem tip, expressed as a percentage of oven-dry weight (i.e.,  $(TP\_WDBK\_GW - TP\_WDBK\_DW) / TP\_WDBK\_DW * 100\%$ ).

**437. TP\_WDBK\_MC\_6**

Top wood and bark moisture content from a 6-inch top. The weight of the moisture in the stem wood and bark from the 6-inch top (HT\_6) to the stem tip, expressed as a percentage of oven-dry weight (i.e.,  $(TP\_WDBK\_GW - TP\_WDBK\_DW) / TP\_WDBK\_DW * 100\%$ ).

**438. TP\_WDBK\_MC\_7**

Top wood and bark moisture content from a 7-inch top. The weight of the moisture in the stem wood and bark from the 7-inch top (HT\_7) to the stem tip, expressed as a percentage of oven-dry weight (i.e.,  $(TP\_WDBK\_GW - TP\_WDBK\_DW) / TP\_WDBK\_DW * 100\%$ ).

**439. TP\_WDBK\_MC\_8**

Top wood and bark moisture content from an 8-inch top. The weight of the moisture in the stem wood and bark from the 8-inch top (HT\_8) to the stem tip, expressed as a percentage of oven-dry weight (i.e.,  $(TP\_WDBK\_GW - TP\_WDBK\_DW) / TP\_WDBK\_DW * 100\%$ ).

**440. TP\_WDBK\_MC\_9**

Top wood and bark moisture content from a 9-inch top. The weight of the moisture in the stem wood and bark from the 9-inch top (HT\_9) to the stem tip, expressed as a percentage of oven-dry weight (i.e.,  $(TP\_WDBK\_GW - TP\_WDBK\_DW) / TP\_WDBK\_DW * 100\%$ ).

**441. TP\_WDBK\_MC\_MR**

Top wood and bark moisture content from a merchantable top. The weight of the moisture in the stem wood and bark from the merchantable top (HT\_MR) to the stem tip, expressed as a percentage of oven-dry weight (i.e.,  $(TP\_WDBK\_GW - TP\_WDBK\_DW) / TP\_WDBK\_DW * 100\%$ ).

- 442. TT\_BK\_MC**  
Total tree bark moisture content. The weight of the moisture in the total tree (above-stump) bark, expressed as a percentage of the oven-dry weight.
- 443. TT\_WD\_MC**  
Total tree wood moisture content. The weight of the moisture in the total tree (above-stump) wood, expressed as a percentage of the oven-dry weight.
- 444. AG\_PR**  
Above-ground production. The above-ground production, in pounds/year, of the entire tree above the ground line.
- 445. BRL\_PR**  
Live branch production. The production, in pounds/year, of all live branches.
- 446. ST\_BK\_PR**  
Stem bark production. The production, in pounds/year, of the stem bark.
- 447. ST\_WD\_PR**  
Stem wood production. The production, in pounds/year, of the stem wood.
- 448. TWFOL\_PR**  
Twig and foliage production. The production, in pounds/year, of all foliage and twigs.
- 449. BRL\_BK\_SG**  
Live branch bark specific gravity. The unitless ratio of all live branch bark oven-dry weight per unit of green wood volume divided by the density of water.
- 450. BRL\_BK\_SG\_LG**  
Large live branch bark specific gravity. The unitless ratio of the large live branch bark oven-dry weight per unit of green wood volume divided by the density of water.
- 451. BRL\_BK\_SG\_MD**  
Medium live branch bark specific gravity. The unitless ratio of the medium live branch bark oven-dry weight per unit of green wood volume divided by the density of water.
- 452. BRL\_BK\_SG\_SM**  
Small live branch bark specific gravity. The unitless ratio of the small live branch bark oven-dry weight per unit of green wood volume divided by the density of water.
- 453. BRL\_BK\_SG\_XL**  
Extra-large live branch bark specific gravity. The unitless ratio of the extra-large live branch bark oven-dry weight per unit of green wood volume divided by the density of water.

- 454. BRL\_WD\_SG**  
Live branch wood specific gravity. The unitless ratio of all live branch wood oven-dry weight per unit of green wood volume divided by the density of water.
- 455. BRL\_WD\_SG\_LG**  
Large live branch wood specific gravity. The unitless ratio of the large live branch wood oven-dry weight per unit of green wood volume divided by the density of water.
- 456. BRL\_WD\_SG\_MD**  
Medium live branch wood specific gravity. The unitless ratio of the extra live branch wood oven-dry weight per unit of green wood volume divided by the density of water.
- 457. BRL\_WD\_SG\_SM**  
Small live branch wood specific gravity. The unitless ratio of the small live branch wood oven-dry weight per unit of green wood volume divided by the density of water.
- 458. BRL\_WD\_SG\_XL**  
Extra-large live branch wood specific gravity. The unitless ratio of the extra-large live branch wood oven-dry weight per unit of green wood volume divided by the density of water.
- 459. BRL\_WDBK\_SG\_LG**  
Large live branch wood and bark specific gravity. The unitless ratio of the large live branch wood and bark oven-dry weight per unit of green wood volume divided by the density of water.
- 460. BRL\_WDBK\_SG\_MD**  
Medium live branch wood and bark specific gravity. The unitless ratio of the medium live branch wood and bark oven-dry weight per unit of green wood volume divided by the density of water.
- 461. BRL\_WDBK\_SG\_SM**  
Small live branch wood and bark specific gravity. The unitless ratio of the small live branch wood and bark oven-dry weight per unit of green wood volume divided by the density of water.
- 462. BRL\_WDBK\_SG\_XL**  
Extra-large live branch wood and bark specific gravity. The unitless ratio of the extra-large live branch wood and bark oven-dry weight per unit of green wood volume divided by the density of water.
- 463. RT\_BK\_SG**  
Root bark specific gravity. The unitless ratio of the root bark oven-dry weight per unit of green wood volume divided by the density of water.

- 464. RT\_WD\_SG**  
Root wood specific gravity. The unitless ratio of the root wood oven-dry weight per unit of green wood volume divided by the density of water.
- 465. RT\_WDBK\_SG**  
Root wood and bark specific gravity. The unitless ratio of the root wood and bark oven-dry weight per unit of green wood volume divided by the density of water.
- 466. ST\_BK\_SG\_1**  
Stem bark specific gravity to a 1-inch top. The unitless ratio of the stem bark oven dry weight per unit of green wood volume divided by the density of water, from the stump (SP\_H) to the 1-inch top (HT\_1).
- 467. ST\_BK\_SG\_10**  
Stem bark specific gravity to a 10-inch top. The unitless ratio of the stem bark oven dry weight per unit of green wood volume divided by the density of water, from the stump (SP\_H) to the 10-inch top (HT\_10).
- 468. ST\_BK\_SG\_11**  
Stem bark specific gravity to an 11-inch top. The unitless ratio of the stem bark oven dry weight per unit of green wood volume divided by the density of water, from the stump (SP\_H) to the 11-inch top (HT\_11).
- 469. ST\_BK\_SG\_2**  
Stem bark specific gravity to a 2-inch top. The unitless ratio of the stem bark oven dry weight per unit of green wood volume divided by the density of water, from the stump (SP\_H) to the 2-inch top (HT\_2).
- 470. ST\_BK\_SG\_4**  
Stem bark specific gravity to a 4-inch top. The unitless ratio of the stem bark oven dry weight per unit of green wood volume divided by the density of water, from the stump (SP\_H) to the 4-inch top (HT\_4).
- 471. ST\_BK\_SG\_42**  
Stem bark specific gravity from a 4-inch top to a 2-inch top. The unitless ratio of the stem bark oven dry weight per unit of green wood volume divided by the density of water, from the 4-inch top (HT\_4) to the 2-inch top (HT\_2).
- 472. ST\_BK\_SG\_6**  
Stem bark specific gravity to a 6-inch top. The unitless ratio of the stem bark oven dry weight per unit of green wood volume divided by the density of water, from the stump (SP\_H) to the 6-inch top (HT\_6).
- 473. ST\_BK\_SG\_7**

Stem bark specific gravity to a 7-inch top. The unitless ratio of the stem bark oven dry weight per unit of green wood volume divided by the density of water, from the stump (SP\_H) to the 7-inch top (HT\_7).

**474. ST\_BK\_SG\_8**

Stem bark specific gravity to an 8-inch top. The unitless ratio of the stem bark oven dry weight per unit of green wood volume divided by the density of water, from the stump (SP\_H) to the 8-inch top (HT\_8).

**475. ST\_BK\_SG\_9**

Stem bark specific gravity to a 9-inch top. The unitless ratio of the stem bark oven dry weight per unit of green wood volume divided by the density of water, from the stump (SP\_H) to the 9-inch top (HT\_9).

**476. ST\_BK\_SG\_94**

Stem bark specific gravity from a 9-inch top to a 4-inch top. The unitless ratio of the stem bark oven dry weight per unit of green wood volume divided by the density of water, from the 9-inch top (HT\_9) to the 4-inch top (HT\_4).

**477. ST\_WD\_SG\_1**

Stem wood specific gravity to a 1-inch top. The unitless ratio of the stem wood oven-dry weight per unit of green wood volume divided by the density of water from the stump (SP\_H) to the 1-inch top (HT\_1).

**478. ST\_WD\_SG\_10**

Stem wood specific gravity to a 10-inch top. The unitless ratio of the stem wood oven-dry weight per unit of green wood volume divided by the density of water from the stump (SP\_H) to the 10-inch top (HT\_10).

**479. ST\_WD\_SG\_11**

Stem wood specific gravity to an 11-inch top. The unitless ratio of the stem wood oven-dry weight per unit of green wood volume divided by the density of water from the stump (SP\_H) to the 11-inch top (HT\_11).

**480. ST\_WD\_SG\_2**

Stem wood specific gravity to a 2-inch top. The unitless ratio of the stem wood oven-dry weight per unit of green wood volume divided by the density of water from the stump (SP\_H) to the 2-inch top (HT\_2).

**481. ST\_WD\_SG\_3**

Stem wood specific gravity to a 3-inch top. The unitless ratio of the stem wood oven-dry weight per unit of green wood volume divided by the density of water from the stump (SP\_H) to the 3-inch top (HT\_3).

- 482. ST\_WD\_SG\_4**  
Stem wood specific gravity to a 4-inch top. The unitless ratio of the stem wood oven-dry weight per unit of green wood volume divided by the density of water from the stump (SP\_H) to the 4-inch top (HT\_4).
- 483. ST\_WD\_SG\_42**  
Stem wood specific gravity from a 4-inch top to a 2-inch top. The unitless ratio of the stem wood oven-dry weight per unit of green wood volume divided by the density of water from the 4-inch top (HT\_4) to the 2-inch top (HT\_2).
- 484. ST\_WD\_SG\_6**  
Stem wood specific gravity to a 6-inch top. The unitless ratio of the stem wood oven-dry weight per unit of green wood volume divided by the density of water from the stump (SP\_H) to the 6-inch top (HT\_6).
- 485. ST\_WD\_SG\_7**  
Stem wood specific gravity to a 7-inch top. The unitless ratio of the stem wood oven-dry weight per unit of green wood volume divided by the density of water from the stump (SP\_H) to the 7-inch top (HT\_7).
- 486. ST\_WD\_SG\_8**  
Stem wood specific gravity to an 8-inch top. The unitless ratio of the stem wood oven-dry weight per unit of green wood volume divided by the density of water from the stump (SP\_H) to the 8-inch top (HT\_8).
- 487. ST\_WD\_SG\_9**  
Stem wood specific gravity to a 9-inch top. The unitless ratio of the stem wood oven-dry weight per unit of green wood volume divided by the density of water from the stump (SP\_H) to the 9-inch top (HT\_9).
- 488. ST\_WD\_SG\_94**  
Stem wood specific gravity from a 9-inch top to a 4-inch top. The unitless ratio of the stem wood oven-dry weight per unit of green wood volume divided by the density of water from the 9-inch top (HT\_9) to the 4-inch top (HT\_4).
- 489. ST\_WDBK\_SG\_1**  
Stem wood and bark specific gravity to a 1-inch top. The unitless ratio of the stem wood and bark oven-dry weight per unit of green wood and bark volume divided by the density of water from the stump (SP\_H) to the 1-inch top (HT\_1).
- 490. ST\_WDBK\_SG\_10**  
Stem wood and bark specific gravity to a 10-inch top. The unitless ratio of the stem wood and bark oven-dry weight per unit of green wood and bark volume divided by the density of water from the stump (SP\_H) to the 10-inch top (HT\_10).

- 491. ST\_WDBK\_SG\_11**  
Stem wood and bark specific gravity to an 11-inch top. The unitless ratio of the stem wood and bark oven-dry weight per unit of green wood and bark volume divided by the density of water from the stump (SP\_H) to the 11-inch top (HT\_11).
- 492. ST\_WDBK\_SG\_2**  
Stem wood and bark specific gravity to a 2-inch top. The unitless ratio of the stem wood and bark oven-dry weight per unit of green wood and bark volume divided by the density of water from the stump (SP\_H) to the 2-inch top (HT\_2).
- 493. ST\_WDBK\_SG\_4**  
Stem wood and bark specific gravity to a 4-inch top. The unitless ratio of the stem wood and bark oven-dry weight per unit of green wood and bark volume divided by the density of water from the stump (SP\_H) to the 4-inch top (HT\_4).
- 494. ST\_WDBK\_SG\_42**  
Stem wood and bark specific gravity from a 4-inch top to a 2-inch top. The unitless ratio of the stem wood and bark oven-dry weight per unit of green wood and bark volume divided by the density of water from the 4-inch top (HT\_4) to the 2-inch top (HT\_2).
- 495. ST\_WDBK\_SG\_6**  
Stem wood and bark specific gravity to a 6-inch top. The unitless ratio of the stem wood and bark oven-dry weight per unit of green wood and bark volume divided by the density of water from the stump (SP\_H) to the 6-inch top (HT\_6).
- 496. ST\_WDBK\_SG\_7**  
Stem wood and bark specific gravity to a 7-inch top. The unitless ratio of the stem wood and bark oven-dry weight per unit of green wood and bark volume divided by the density of water from the stump (SP\_H) to the 7-inch top (HT\_7).
- 497. ST\_WDBK\_SG\_8**  
Stem wood and bark specific gravity to an 8-inch top. The unitless ratio of the stem wood and bark oven-dry weight per unit of green wood and bark volume divided by the density of water from the stump (SP\_H) to the 8-inch top (HT\_8).
- 498. ST\_WDBK\_SG\_9**  
Stem wood and bark specific gravity to a 9-inch top. The unitless ratio of the stem wood and bark oven-dry weight per unit of green wood and bark volume divided by the density of water from the stump (SP\_H) to the 9-inch top (HT\_9).
- 499. ST\_WDBK\_SG\_94**

Stem wood and bark specific gravity from a 9-inch top to a 4-inch top. The unitless ratio of the stem wood and bark oven-dry weight per unit of green wood and bark volume divided by the density of water from the 9-inch top (HT\_9) to the 4-inch top (HT\_4).

**500. TP\_BK\_SG\_1**

Top bark specific gravity from a 1-inch top. The unitless ratio of the stem bark oven-dry weight per unit of green bark volume divided by the density of water, from the 1-inch top (HT\_1) to the stem tip.

**501. TP\_BK\_SG\_10**

Top bark specific gravity from a 10-inch top. The unitless ratio of the stem bark oven-dry weight per unit of green bark volume divided by the density of water, from the 10-inch top (HT\_10) to the stem tip.

**502. TP\_BK\_SG\_11**

Top bark specific gravity from an 11-inch top. The unitless ratio of the stem bark oven-dry weight per unit of green bark volume divided by the density of water, from the 11-inch top (HT\_11) to the stem tip.

**503. TP\_BK\_SG\_2**

Top bark specific gravity from a 2-inch top. The unitless ratio of the stem bark oven-dry weight per unit of green bark volume divided by the density of water, from the 2-inch top (HT\_2) to the stem tip.

**504. TP\_BK\_SG\_4**

Top bark specific gravity from a 4-inch top. The unitless ratio of the stem bark oven-dry weight per unit of green bark volume divided by the density of water, from the 4-inch top (HT\_4) to the stem tip.

**505. TP\_BK\_SG\_6**

Top bark specific gravity from a 6-inch top. The unitless ratio of the stem bark oven-dry weight per unit of green bark volume divided by the density of water, from the 6-inch top (HT\_6) to the stem tip.

**506. TP\_BK\_SG\_7**

Top bark specific gravity from a 7-inch top. The unitless ratio of the stem bark oven-dry weight per unit of green bark volume divided by the density of water, from the 7-inch top (HT\_7) to the stem tip.

**507. TP\_BK\_SG\_8**

Top bark specific gravity from an 8-inch top. The unitless ratio of the stem bark oven-dry weight per unit of green bark volume divided by the density of water, from the 8-inch top (HT\_8) to the stem tip.



- 508. TP\_BK\_SG\_9**  
Top bark specific gravity from a 9-inch top. The unitless ratio of the stem bark oven-dry weight per unit of green bark volume divided by the density of water, from the 9-inch top (HT\_9) to the stem tip.
- 509. TP\_BK\_SG\_MR**  
Top bark specific gravity from a merchantable top. The unitless ratio of the stem bark oven-dry weight per unit of green bark volume divided by the density of water, from the merchantable top (HT\_MR) to the stem tip.
- 510. TP\_WD\_SG\_1**  
Top wood specific gravity from a 1-inch top. The unitless ratio of the stem wood oven-dry weight per unit of green wood volume divided by the density of water, from the 1-inch top (HT\_1) to the stem tip.
- 511. TP\_WD\_SG\_10**  
Top wood specific gravity from a 10-inch top. The unitless ratio of the stem wood oven-dry weight per unit of green wood volume divided by the density of water, from the 10-inch top (HT\_10) to the stem tip.
- 512. TP\_WD\_SG\_11**  
Top wood specific gravity from an 11-inch top. The unitless ratio of the stem wood oven-dry weight per unit of green wood volume divided by the density of water, from the 11-inch top (HT\_11) to the stem tip.
- 513. TP\_WD\_SG\_2**  
Top wood specific gravity from a 2-inch top. The unitless ratio of the stem wood oven-dry weight per unit of green wood volume divided by the density of water, from the 2-inch top (HT\_2) to the stem tip.
- 514. TP\_WD\_SG\_4**  
Top wood specific gravity from a 4-inch top. The unitless ratio of the stem wood oven-dry weight per unit of green wood volume divided by the density of water, from the 4-inch top (HT\_4) to the stem tip.
- 515. TP\_WD\_SG\_6**  
Top wood specific gravity from a 6-inch top. The unitless ratio of the stem wood oven-dry weight per unit of green wood volume divided by the density of water, from the 6-inch top (HT\_6) to the stem tip.
- 516. TP\_WD\_SG\_7**  
Top wood specific gravity from a 7-inch top. The unitless ratio of the stem wood oven-dry weight per unit of green wood volume divided by the density of water, from the 7-inch top (HT\_7) to the stem tip.

- 517. TP\_WD\_SG\_8**  
Top wood specific gravity from an 8-inch top. The unitless ratio of the stem wood oven-dry weight per unit of green wood volume divided by the density of water, from the 8-inch top (HT\_8) to the stem tip.
- 518. TP\_WD\_SG\_9**  
Top wood specific gravity from a 9-inch top. The unitless ratio of the stem wood oven-dry weight per unit of green wood volume divided by the density of water, from the 9-inch top (HT\_9) to the stem tip.
- 519. TP\_WD\_SG\_MR**  
Top wood specific gravity from a merchantable top. The unitless ratio of the stem wood oven-dry weight per unit of green wood volume divided by the density of water, from the merchantable top (HT\_MR) to the stem tip.
- 520. TP\_WDBK\_SG\_1**  
Top wood and bark specific gravity from a 1-inch top. The unitless ratio of the stem wood and bark oven-dry weight per unit of green wood and bark volume divided by the density of water, from the 1-inch top (HT\_1) to the stem tip.
- 521. TP\_WDBK\_SG\_10**  
Top wood and bark specific gravity from a 10-inch top. The unitless ratio of the stem wood and bark oven-dry weight per unit of green wood and bark volume divided by the density of water, from the 10-inch top (HT\_10) to the stem tip.
- 522. TP\_WDBK\_SG\_11**  
Top wood and bark specific gravity from an 11-inch top. The unitless ratio of the stem wood and bark oven-dry weight per unit of green wood and bark volume divided by the density of water, from the 11-inch top (HT\_11) to the stem tip.
- 523. TP\_WDBK\_SG\_2**  
Top wood and bark specific gravity from a 2-inch top. The unitless ratio of the stem wood and bark oven-dry weight per unit of green wood and bark volume divided by the density of water, from the 2-inch top (HT\_2) to the stem tip.
- 524. TP\_WDBK\_SG\_4**  
Top wood and bark specific gravity from a 4-inch top. The unitless ratio of the stem wood and bark oven-dry weight per unit of green wood and bark volume divided by the density of water, from the 4-inch top (HT\_4) to the stem tip.
- 525. TP\_WDBK\_SG\_6**

Top wood and bark specific gravity from a 6-inch top. The unitless ratio of the stem wood and bark oven-dry weight per unit of green wood and bark volume divided by the density of water, from the 6-inch top (HT\_6) to the stem tip.

**526. TP\_WDBK\_SG\_7**

Top wood and bark specific gravity from a 7-inch top. The unitless ratio of the stem wood and bark oven-dry weight per unit of green wood and bark volume divided by the density of water, from the 7-inch top (HT\_7) to the stem tip.

**527. TP\_WDBK\_SG\_8**

Top wood and bark specific gravity from an 8-inch top. The unitless ratio of the stem wood and bark oven-dry weight per unit of green wood and bark volume divided by the density of water, from the 8-inch top (HT\_8) to the stem tip.

**528. TP\_WDBK\_SG\_9**

Top wood and bark specific gravity from a 9-inch top. The unitless ratio of the stem wood and bark oven-dry weight per unit of green wood and bark volume divided by the density of water, from the 9-inch top (HT\_9) to the stem tip.

**529. TP\_WDBK\_SG\_MR**

Top wood and bark specific gravity from a merchantable top. The unitless ratio of the stem wood and bark oven-dry weight per unit of green wood and bark volume divided by the density of water, from the merchantable top (HT\_MR) to the stem tip.

**530. TT\_BK\_SG**

Total tree bark specific gravity. The unitless ratio of the total tree (above-stump) bark oven-dry weight per unit of green bark volume divided by the density of water.

**531. TT\_WD\_SG**

Total tree wood specific gravity. The unitless ratio of the total tree (above-stump) wood per unit of green wood volume divided by the density of water.

**532. BRL\_SIZE\_LG**

Large live branch minimum diameter. The minimum live branch diameter sampled for the large live branch diameter class.

**533. BRL\_SIZE\_MD**

Medium live branch minimum diameter. The minimum live branch diameter sampled for the medium live branch diameter class.

**534. BRL\_SIZE\_SM**

Small live branch minimum diameter. The minimum live branch diameter sampled for the small live branch diameter class.

- 535. BRL\_SIZE\_XL**  
Extra-large live branch minimum diameter. The minimum live branch diameter sampled for the extra-large live branch diameter class.
- 536. RT\_SIZE\_LG**  
Large root minimum diameter. The minimum root diameter sampled for the large root diameter class.
- 537. RT\_SIZE\_SM**  
Small root minimum diameter. The minimum root diameter sampled for the small root diameter class.
- 538. TW\_SIZE**  
Twig maximum diameter. The maximum diameter of twig sampled for the twig component (i.e., see TW\_DW\_OLD, TW\_DW\_NEW)
- 539. FOL\_SLA**  
Foliage specific leaf area. The specific leaf area, in pounds/square foot, of the foliage across the entire crown.
- 540. FOL\_SLA\_BOT**  
Bottom third of crown specific leaf area. The specific leaf area, in pounds/square foot, of the foliage in the bottom third of the crown.
- 541. FOL\_SLA\_MID**  
Middle third of crown specific leaf area. The specific leaf area, in pounds/square foot, of the foliage in the middle third of the crown.
- 542. FOL\_SLA\_TOP**  
Top third of crown specific leaf area. The specific leaf area, in pounds/square foot, of the foliage in the top third of the crown.
- 543. STD\_TPA\_PRES**  
Present trees per acre. The stand density (trees per acre) at the time of sampling.
- 544. STD\_TPA\_INIT**  
Initial trees per acre. The stand density (trees per acre) at the time of thinning.
- 545. ST\_DSK\_N**  
Number of disks. The number of disks collected from the stem.
- 546. ST\_NPTS**  
Number of taper measurement points. The number of points with height and diameter measurements along the stem, used to estimate tree volume.

**547. STD\_SI**

Site index

**548. STD\_THIN\_AGE**

Age at thinning. The stand age, in years, when the stand was thinned.

**549. STD\_TRT**

Silvicultural treatment code. The stand treatment type.

**Table LEGACY LOCATIONS**

No.	Column Name	Descriptive Name	Data Type
1	AUTHOR	Author	VARCHAR2
2	YEAR	Publication year	NUMBER(4,0)
3	LOC	Location number	VARCHAR2
4	SPCD	Species code	NUMBER(4,0)
5	Common_Name	Common name	VARCHAR2
6	Sample_Size	Sample size	NUMBER(3,0)
7	ST_MeanD_BH	Mean diameter	NUMBER(6,1)
8	ST_MinD_BH	Minimum diameter	NUMBER(6,1)
9	ST_MaxD_BH	Maximum diameter	NUMBER(4,1)
10	LAT	Latitude	NUMBER(7,4)
11	LON	Longitude	NUMBER(7,4)
12	PREC	Coordinate precision	NUMBER(7,4)
13	LAT_LON_DER	Latitude and Longitude Derivation	VARCHAR2
14	LOC_DESC	Location description	VARCHAR2
15	STATE	State	VARCHAR2

**Locations Table Detailed Explanations****1 AUTHOR**

Author. The name of the author or authors who conducted the study.

**2 YEAR**

Publication year. The year that publication was published, if not published, the year the data was collected: 9999 if unknown.

**3 LOC**

Location number. A numeric identifier assigned to the location where the trees were sampled. Generally unique for a given author/species if the trees were sampled in multiple plots that were separated by at least 0.01 degrees. Note: For some articles such as Zhou et al., 2011, the study spans 2 regions.

**4 SPCD**

Species code. FIA species code. Refer to FIADB Phase 2 User's Manual, Appendix F for list of species codes.

**5 Common\_Name**

Common name. The species common name as reported in the study.

**6 Sample\_Size**

Sample size. The number of trees sampled at a given location for a given species by a given author.

**7 ST\_MeanD\_BH**

Mean diameter. The mean diameter outside bark at breast height, in inches, of trees sampled at a given location for a given species by a given author.

**8 ST\_MinD\_BH**

Minimum diameter. The minimum diameter outside bark at breast height, in inches, of trees sampled at a given location for a given species by a given author.

**9 ST\_MaxD\_BH**

Maximum diameter. The maximum diameter outside bark at breast height, in inches, of trees sampled at a given location for a given species by a given author.

**10 LAT**

Latitude. The latitude, in degrees, for a given location.

**11 LON**

Longitude. The longitude, in degrees, for a given location.

**12 PREC**

Coordinate precision. The precision, in degrees, for the given latitude and longitude.

**13 LAT\_LON\_DER**

Latitude and Longitude Derivation. How the latitude and longitude were derived, whether they were given in the article, or estimated using a general description using google maps or by some other method.

**14 LOC\_DESC**

Location description. A general location description of where the trees were sampled.

## 15 STATE

State. The state where the trees were sampled.

**Table LEGACY STEM**

No.	Column Name	Descriptive Name	Data Type
1	AUTHOR	Author	VARCHAR2
2	LOC	Location	VARCHAR2
3	SPCD	Species code	NUMBER(4,0)
4	TREENO	Tree number	VARCHAR2
5	ST_HT	Height above ground	NUMBER(4,1)
6	ST_OB_D	Diameter outside bark	NUMBER(4,2)
7	ST_IB_D	Diameter inside bark	NUMBER(4,2)
8	METHOD	Measurement method	NUMBER(1,0)
9	PT	Point	NUMBER(2,0)

### Stem Table Detailed explanations.

#### 1. AUTHOR

Author. The name of author (or authors) who conducted the study.

#### 2. LOC

Location. The location where a tree was growing. See the LOCATION table for a more detailed description.

#### 3. SPCD

Species code. FIA species code. Refer to the FIADB Phase 2 Users' Manual, version 5.1, Appendix F for list of species codes.

#### 4. TREENO

Tree number. A unique tree identifier that is unique within AUTHOR, LOC, and SPCD.

#### 5. ST\_HT

Height above ground. The height, as measured from the ground line, in feet, where ST\_OB\_D and/or ST\_IB\_D were measured.

#### 6. ST\_OB\_D

Diameter outside bark. The diameter outside bark, in inches, measured at the specified stem height (ST\_HT).

#### 7. ST\_IB\_D

Diameter inside bark. The diameter inside bark, in inches, measured at the specified stem height (ST\_HT).

**8. METHOD**

Measurement method. The method that was used to measure the stem: 1= felled tree, 2= standing tree, 3= method unknown, 4= utilization data (no total height).

**9. PT**

Point. A numeric indicator assigned to each stem measurement from the stump to the tip of the tree.

**Table LEGACY SECTION**

No.	Column Name	Descriptive Name	Data Type
1	AUTHOR	Author	VARCHAR2
2	LOC	Location	VARCHAR2
3	SPCD	Species code	NUMBER(4,0)
4	TREENO	Tree number	VARCHAR2
5	SECTION_ID	Section identifier	NUMBER(2,0)
6	OB_D_BOT	Section bottom diameter outside bark.	NUMBER(4,2)
7	OB_D_TOP	Section top diameter outside bark.	NUMBER(4,2)
8	IB_D_BOT	Section bottom diameter inside bark.	NUMBER(4,2)
9	IB_D_TOP	Section top diameter inside bark.	NUMBER(4,2)
10	LEN	Section length	NUMBER(4,2)
11	HT	Section height	NUMBER(4,1)
12	WDBK_GW	Section wood and bark green weight	NUMBER(7,2)
13	WD_GW	Section wood green weight	NUMBER(7,2)
14	BK_GW	Section bark green weight	NUMBER(6,2)
15	WDBK_DW	Section wood and bark dry weight	NUMBER(7,2)
16	WD_DW	Section wood dry weight	NUMBER(7,2)
17	BK_DW	Section bark dry weight	NUMBER(6,2)
18	WDBK_CV	Section wood and bark volume	NUMBER(5,2)
19	WD_CV	Section wood volume	NUMBER(5,2)
20	BK_CV	Section bark volume	NUMBER(4,2)
21	CEN	Section census indicator	NUMBER(1,0)
22	WD_DEF1CL	Defect 1 class	NUMBER(1,0)
23	WD_DEF1D_1	Defect 1 diameter 1	NUMBER(4,2)
24	WD_DEF1D_2	Defect 1 diameter 2	NUMBER(4,2)
25	WD_DEF1LEN	Defect 1 length	NUMBER(4,2)
26	WD_DEF2CL	Defect 2 class	NUMBER(1,0)



27	WD_DEF2D_1	Defect 2 diameter 1	NUMBER(4,2)
28	WD_DEF2D_2	Defect 2 diameter 2	NUMBER(4,2)
29	WD_DEF2LEN	Defect 2 length	NUMBER(4,2)
30	WD_DEF3CL_1	Defect 3 class	NUMBER(1,0)
31	WD_DEF3D_1	Defect 3 diameter 1	NUMBER(4,2)
32	WD_DEF3D_2	Defect 3 diameter 2	NUMBER(4,2)
33	WD_DEF3LEN	Defect 3 length	NUMBER(4,2)
34	WDBK_D_KERF	Kerf diameter	NUMBER(4,2)
35	WDBK_WID_KERF	Kerf width	NUMBER(4,3)
36	WDBK_GW_KERF	Kerf weight	NUMBER(4,2)
37	WDBK_AR	Section outside bark surface area	NUMBER(4,2)
38	WD_AR	Section inside bark surface area	NUMBER(4,2)

### Section Table Detailed Explanations

**1 AUTHOR**

Author. The name of author (or authors) who conducted the study.

**2 LOC**

Location. The location where a tree was growing. See the LOCATION table for a more detailed description.

**3 SPCD**

Species code. FIA species code. Refer to the FIADB Phase 2 Users' Manual, version 5.1, Appendix F for list of species codes.

**4 TREENO**

Tree number. A tree identifier that is unique within AUTHOR, LOC, and SPCD.

**5 SECTION\_ID**

Section identifier. A section identifier that is unique within AUTHOR, LOC, SPCD, and TREENO.

**6 OB\_D\_BOT**

Section bottom diameter outside bark. The diameter outside bark, in inches, measured at the lower end of the section.

**7 OB\_D\_TOP**

Section top diameter outside bark. The diameter outside bark, in inches, measured at the upper end of the section.

**8 IB\_D\_BOT**

Section bottom diameter inside bark. The diameter inside bark, in inches, measured at the lower end of the section.

**9 IB\_D\_TOP**

Section top diameter inside bark. The diameter inside bark, in inches, measured at the upper end of the section.

**10 LEN**

Section length. The total section length, in feet, measured from the lower end of the section to the upper end.

**11 HT**

Section height. The height, in feet, to the bottom of the section.

**12 WDBK\_GW**

Section wood and bark green weight. The total green weight, in pounds, of the section wood and bark.

**13 WD\_GW**

Section wood green weight. The total green weight, in pounds, of the section wood.

**14 BK\_GW**

Section bark green weight. The total green weight, in pounds, of the section bark.

**15 WDBK\_DW**

Section wood and bark dry weight. The total dry weight, in pounds, of the section wood and bark.

**16 WD\_DW**

Section wood dry weight. The total dry weight, in pounds, of the section wood.

**17 BK\_DW**

Section bark dry weight. The total dry weight, in pounds, of the section bark.

**18 WDBK\_CV**

Section wood and bark volume. The total section volume, in cubic-feet, of the wood and bark.

**19 WD\_CV**

Section wood volume. The total section volume, in cubic-feet, of the wood.

**20 BK\_CV**

Section bark volume. The total section volume, in cubic-feet, of the bark.

**21 CEN**

Section census indicator. Indicates whether the sections listed represent a census of the stem (i.e., will the sum of DW\_SEC equal DW\_STEM). 1. All sections included; 2. Only some sections present.

**22 WD\_DEF1CL**

Defect 1 class. Internal defect/cull class of the first measured defect in a section. Class definitions: 1. wood discolored but sound; 2. wood intact with apparent onset of decay and loss of physical structure; 3. wood no longer intact, highly decayed or hollow.

**23 WD\_DEF1D\_1**

Defect 1 diameter 1. The first diameter of defect 1, in inches.

**24 WD\_DEF1D\_2**

Defect 1 diameter 2. The second diameter of defect 1, in inches.

**25 WD\_DEF1LEN**

Defect 1 length. The length of defect 1, in feet.

**26 WD\_DEF2CL**

Defect 2 class. Internal defect/cull class of the second measured defect in a section. Class definitions: 1. wood discolored but sound; 2. wood intact with apparent onset of decay and loss of physical structure; 3. wood no longer intact, highly decayed or hollow.

**27 WD\_DEF2D\_1**

Defect 2 diameter 1. The first diameter of defect 2, in inches.

**28 WD\_DEF2D\_2**

Defect 2 diameter 2. Defect 2 diameter 2. The second diameter of defect 2, in inches.

**29 WD\_DEF2LEN**

Defect 2 length. Defect 2 length. The length of defect 2, in feet.

**30 WD\_DEF3CL\_1**

Defect 3 class. Internal defect/cull class of the third measured defect in a section. Class definitions: 1. wood discolored but sound; 2. wood intact with apparent onset of decay and loss of physical structure; 3. wood no longer intact, highly decayed or hollow.

**31 WD\_DEF3D\_1**

Defect 3 diameter 1. Defect 3 diameter 1. The first diameter of defect 3, in inches.

**32 WD\_DEF3D\_2**

Defect 3 diameter 2. Defect 3 diameter 2. The second diameter of defect 3, in inches.

**33 WD\_DEF3LEN**

Defect 3 length. The length of defect 3, in feet.

**34 WDBK\_D\_KERF**

Kerf diameter. The diameter, in inches, where kerf cuts were made.

**35 WDBK\_WID\_KERF**

Kerf width. The width of the saw kerf, in inches, where the kerf cuts were made.

**36 WDBK\_GW\_KERF**

Kerf weight. The average weight, in pounds, of saw kerf removed.

**37 WDBK\_AR**

Section outside bark surface area. The surface area, in square feet, of the stem section outside bark.

**38 WD\_AR**

Section inside bark surface area. The surface area, in square feet, of the stem section inside bark.

**Table LEGACY DISK**

No.	Column Name	Descriptive Name	Data Type
1	AUTHOR	Author	VARCHAR2
2	LOC	Location	VARCHAR2
3	SPCD	Species code	NUMBER(4,0)
4	TREENO	Tree number	VARCHAR2
5	SECTION_ID	Section identifier	NUMBER(1,0)
6	DISK_ID	Disk identifier	NUMBER(2,0)
7	HT	Height of disk	NUMBER(4,1)
8	WDBK_THK	Average disk thickness	NUMBER(4,2)
9	OB_D_1	Diameter outside bark 1	NUMBER(5,2)
10	OB_D_2	Diameter outside bark 2	NUMBER(5,2)
11	OB_D_AVG	Average diameter outside bark	NUMBER(5,2)
12	IB_D_1	Diameter inside bark 1	NUMBER(5,2)
13	IB_D_2	Diameter inside bark 2	NUMBER(5,2)
14	IB_D_AVG	Average diameter inside bark	NUMBER(5,2)
15	WD_CL_DEF1	Defect 1 class	NUMBER(1,0)
16	WD_D_DEF1	Defect 1 diameter	NUMBER(5,2)
17	WD_CV_DEF1	Defect 1 volume	NUMBER(5,2)
18	WD_CL_DEF2	Defect 2 class	NUMBER(1,0)
19	WD_D_DEF2	Defect 2 diameter	NUMBER(5,2)

20	WD_CV_DEF2	Defect 2 volume	NUMBER(5,2)
21	WD_CL_DEF3	Defect 3 class	NUMBER(1,0)
22	WD_D_DEF3	Defect 3 diameter	NUMBER(5,2)
23	WD_CV_DEF3	Defect 3 volume	NUMBER(5,2)
24	WDBK_GW	Disk wood and bark green weight	NUMBER(7,2)
25	WD_GW	Disk wood green weight	NUMBER(7,2)
26	BK_GW	Disk bark green weight	NUMBER(6,2)
27	WDBK_DW	Disk wood and bark dry weight	NUMBER(7,2)
28	WD_DW	Disk wood dry weight	NUMBER(7,2)
29	BK_DW	Disk bark dry weight	NUMBER(6,2)
30	WDBK_CV	Disk wood and bark volume	NUMBER(7,2)
31	WD_CV	Disk wood volume	NUMBER(7,2)
32	BK_CV	Disk bark volume	NUMBER(6,2)
33	WD_GW_SUB	Disk wood wedge or subsample green weight	NUMBER(6,2)
34	BK_GW_SUB	Disk bark wedge or subsample green weight	NUMBER(6,2)
35	WD_DW_SUB	Disk wood wedge or subsample dry weight	NUMBER(6,2)
36	BK_DW_SUB	Disk bark wedge or subsample dry weight	NUMBER(6,2)
37	WD_CV_SUB	Disk wood wedge or subsample volume	NUMBER(6,2)
38	BK_CV_SUB	Disk bark wedge or subsample volume	NUMBER(6,2)
39	TEMP	Drying temperature	NUMBER(3,0)
40	WDBK_MC	Disk wood and bark moisture content	NUMBER(5,2)
41	WD_MC	Disk wood moisture content	NUMBER(5,2)
42	BK_MC	Disk bark moisture content	NUMBER(5,2)
43	BK_FRAC	Bark fraction	NUMBER(5,4)
44	WDBK_SG	Disk wood and bark specific gravity	NUMBER(5,4)
45	WD_SG	Disk wood specific gravity	NUMBER(5,4)
46	BK_SG	Disk bark specific gravity	NUMBER(5,4)
47	AGE	Disk age	NUMBER(4,0)

### Disk Table Detailed Explanations

1. **AUTHOR**  
Author. The name of author (or authors) who conducted the study.
2. **LOC**  
Location. The location where a tree was growing. See the LOCATION table for a more detailed description.
3. **SPCD**

Species code. FIA species code. Refer to the FIADB Phase 2 Users' Manual, version 5.1, Appendix F for list of species codes.

- 4. TREENO**  
Tree number. A tree identifier that is unique within AUTHOR, LOC, and SPCD.
- 5. SECTION\_ID**  
Section identifier. A section identifier that is unique within AUTHOR, LOC, SPCD, and TREENO.
- 6. DISK\_ID**  
Disk identifier. An identifier used to identify an individual disk. Disk was cut from corresponding section (SECTION\_ID). DISK\_ID is unique within AUTHOR, LOC, SPCD, TREENO, and SECTION\_ID.
- 7. HT**  
Height of disk. The height, in feet, where the disk was located on the stem.
- 8. WDBK\_THK**  
Average disk thickness. The average thickness, in centimeters, of the disk.
- 9. OB\_D\_1**  
Diameter outside bark 1. The diameter outside bark, in centimeters, of the disk, measured at its widest point.
- 10. OB\_D\_2**  
Diameter outside bark 2. The diameter outside bark, in centimeters, measured at a right angle to OB\_D\_1.
- 11. OB\_D\_AVG**  
Average diameter outside bark. The average diameter outside bark, in centimeters, of the disk. If OB\_D\_1 and OB\_D\_2 are present, OB\_D\_AVG is the average of the two measurements.
- 12. IB\_D\_1**  
Diameter inside bark 1. The diameter inside bark, in centimeters, of the disk, measured at its widest point.
- 13. IB\_D\_2**  
Diameter inside bark 2. The diameter inside bark, in centimeters, of the disk, measured at a right angle to IB\_D\_1.
- 14. IB\_D\_AVG**  
Average diameter inside bark. The average diameter inside bark, in centimeters, of the disk. If IB\_D\_1 and IB\_D\_2 are present, IB\_D\_AVG is the average of the two measurements.
- 15. WD\_CL\_DEF1**

Defect 1 class. Internal defect/cull class of the first measured defect in a disk. Class definitions: 1 = wood discolored but sound; 2 = wood intact with apparent onset of decay and loss of physical structure; 3 = wood no longer intact, highly decayed or hollow.

**16. WD\_D\_DEF1**

Defect 1 diameter. The average diameter, in centimeters, of the first defect.

**17. WD\_CV\_DEF1**

Defect 1 volume. The volume, in cubic-centimeters, of the first defect.

**18. WD\_CL\_DEF2**

Defect 2 class. Internal defect/cull class of the second measured defect in a disk. Class definitions: 1 = wood discolored but sound; 2 = wood intact with apparent onset of decay and loss of physical structure; 3 = wood no longer intact, highly decayed or hollow.

**19. WD\_D\_DEF2**

Defect 2 diameter. The average diameter, in centimeters, of the second defect.

**20. WD\_CV\_DEF2**

Defect 2 volume. The volume, in cubic-centimeters, of the second defect.

**21. WD\_CL\_DEF3**

Defect 3 class. Internal defect/cull class of the third measured defect in a disk. Class definitions: 1 = wood discolored but sound; 2 = wood intact with apparent onset of decay and loss of physical structure; 3 = wood no longer intact, highly decayed or hollow.

**22. WD\_D\_DEF3**

Defect 3 diameter. The average diameter, in centimeters, of the third defect.

**23. WD\_CV\_DEF3**

Defect 3 volume. The volume, in cubic-centimeters, of the third defect.

**24. WDBK\_GW**

Disk wood and bark green weight. The green weight, in grams, of the disk wood and bark.

**25. WD\_GW**

Disk wood green weight. The green weight, in grams, of the disk wood.

**26. BK\_GW**

Disk bark green weight. The green weight, in grams, of the disk bark.

**27. WDBK\_DW**

Disk wood and bark dry weight. The dry weight, in grams, of the disk wood and bark.

- 28. WD\_DW**  
Disk wood dry weight. The dry weight, in grams, of the disk wood.
- 29. BK\_DW**  
Disk bark dry weight. The dry weight, in grams, of the disk bark.
- 30. WDBK\_CV**  
Disk wood and bark volume. The total volume, in cubic-centimeters, of the disk wood and bark.
- 31. WD\_CV**  
Disk wood volume. The volume, in cubic-centimeters, of the disk wood.
- 32. BK\_CV**  
Disk bark volume. The volume, in cubic-centimeters, of the disk bark.
- 33. WD\_GW\_SUB**  
Disk wedge or subsample green weight. The green weight, in grams, of the wood subsample.
- 34. BK\_GW\_SUB**  
Disk bark wedge or subsample green weight. The green weight, in grams, of the bark subsample.
- 35. WD\_DW\_SUB**  
Disk wood wedge or subsample dry weight. The dry weight, in grams, of the wood subsample.
- 36. BK\_DW\_SUB**  
Disk bark wedge or subsample dry weight. The dry weight, in grams, of the bark subsample.
- 37. WD\_CV\_SUB**  
Disk wood wedge or subsample volume. The volume, in cubic-centimeters, of the wood subsample.
- 38. BK\_CV\_SUB**  
Disk bark wedge or subsample volume. The volume, in cubic-centimeters, of the bark subsample.
- 39. TEMP**  
Drying temperature. The temperature, in Celsius, that the disk and/or subsample was dried at.
- 40. WDBK\_MC**  
Disk wood and bark moisture content. The moisture content of the total disk wood and bark.
- 41. WD\_MC**  
Disk wood moisture content. The moisture content of the disk or subsample wood.



- 42. BK\_MC**  
Disk bark moisture content. The moisture content of the disk or subsample bark.
- 43. BK\_FRAC**  
Bark fraction. The fraction of weight of the disk or subsample that is bark (i.e., BK\_DW/WDBK\_DW).
- 44. WDBK\_SG**  
Disk wood and bark specific gravity. The unitless ratio of the disk wood and bark oven-dry weight per unit of green wood and bark volume divided by the density of water.
- 45. WD\_SG**  
Disk wood specific gravity. The unitless ratio of the disk wood oven-dry weight per unit of green wood volume divided by the density of water.
- 46. BK\_SG**  
Disk bark specific gravity. The unitless ratio of the disk bark oven-dry weight per unit of green bark volume divided by the density of water.
- 47. AGE**  
Disk age. The age of the disk in years.

**Table LEGACY BRANCH**

No.	Column Name	Descriptive Name	Data Type
1	AUTHOR	Author	VARCHAR2
2	LOC	Location	VARCHAR2
3	SPCD	Species code	NUMBER(4,0)
4	TREENO	Tree number	VARCHAR2
5	BRANCH_ID	Branch identifier	NUMBER(3,0)
6	STATUS	Branch status	NUMBER(1,0)
7	HT	Branch height	NUMBER(4,1)
8	OB_D	Branch diameter	NUMBER(3,1)
9	LEN	Branch length	NUMBER(3,1)
10	LENH	Branch horizontal length	NUMBER(3,1)
11	LENV	Branch vertical length	NUMBER(3,1)
12	LENMETH	Branch horizontal/vertical measurement method	NUMBER(1,0)
13	WDBK_GW_SUB	Branch wood and bark subsample green weight	NUMBER(6,2)
14	WD_GW_SUB	Branch wood subsample green weight	NUMBER(6,2)
15	BK_GW_SUB	Branch bark subsample green weight	NUMBER(6,2)
16	WDBK_DW_SUB	Branch wood and bark subsample dry weight	NUMBER(6,2)

17	WD_DW_SUB	Branch wood subsample dry weight	NUMBER(6,2)
18	BK_DW_SUB	Branch bark subsample dry weight	NUMBER(6,2)
19	IND_SUB	Subsample additivity indicator	NUMBER(1,0)
20	WDBK_MC_SUB	Branch wood and bark subsample moisture content	NUMBER(4,1)
21	WD_MC_SUB	Branch wood subsample moisture content	NUMBER(4,1)
22	BK_MC_SUB	Branch bark subsample moisture content	NUMBER(4,1)
23	FOL_GW_SUB	Foliage subsample green weight	NUMBER(6,2)
24	FOL_DW_SUB	Foliage subsample dry weight	NUMBER(6,2)
25	FOL_MC_SUB	Foliage subsample moisture content	NUMBER(4,1)
26	WDBKF_GW	Total branch green weight	NUMBER(7,2)
27	WDBK_GW	Branch wood and bark green weight	NUMBER(7,2)
28	WD_GW	Branch wood green weight	NUMBER(7,2)
29	BK_GW	Branch bark green weight	NUMBER(7,2)
30	FOL_GW	Branch foliage green weight	NUMBER(7,2)
31	WDBKF_DW	Total branch dry weight	NUMBER(7,2)
32	WDBK_DW	Branch wood and bark dry weight	NUMBER(7,2)
33	WD_DW	Branch wood dry weight	NUMBER(7,2)
34	BK_DW	Branch bark dry weight	NUMBER(7,2)
35	FOL_DW	Branch foliage dry weight	NUMBER(7,2)
36	CEN	Branch census indicator	NUMBER(1,0)

### Branch Table Detailed Explanations

- 1 **AUTHOR**  
Author. The name of author (or authors) who conducted the study.
- 2 **LOC**  
Location. The location where a tree was growing. See the LOCATION table for a more detailed description.
- 3 **SPCD**  
Species code. FIA species code. Refer to the FIADB Phase 2 Users' Manual, version 5.1, Appendix F for list of species codes.
- 4 **TREENO**  
Tree number. A tree identifier that is unique within AUTHOR, LOC, and SPCD.
- 5 **BRANCH\_ID**  
Branch identifier. A numeric identifier used to identify an individual branch. Unique within AUTHOR + LOC + SPCD + TREENO

- 6 **STATUS**  
Branch status. A variable identifying if the branch is alive or dead (Live = 1; Dead = 2).
- 7 **HT**  
Branch height. The height, in feet, measured from ground line to where the branch is inserted in the stem.
- 8 **OB\_D**  
Branch diameter. The diameter, in inches, measured just above the branch collar.
- 9 **LEN**  
Branch length. The length, in feet, of the branch, measured from base to tip.
- 10 **LENH**  
Branch horizontal length. The vertical length. The vertical distance, in feet, from the branch insertion point to the furthest branch tip.
- 11 **LENV**  
Branch vertical length. The horizontal length. The horizontal distance, in feet, from the branch insertion point to the furthest branch tip.
- 12 **LENMETH**  
Branch horizontal/vertical measurement method. The method used to measure branch horizontal length (H\_LEN) and branch vertical length (V\_LEN). 1. Measured on felled tree using a tape measure; 2. Measured on a standing tree.
- 13 **WDBK\_GW\_SUB**  
Branch wood and bark subsample green weight. The green weight, in grams, of the wood and bark subsample cut from the branch.
- 14 **WD\_GW\_SUB**  
Branch wood subsample green weight. The green weight, in grams, of the wood subsample cut from the branch.
- 15 **BK\_GW\_SUB**  
Branch bark subsample green weight. The green weight, in grams, of the bark subsample cut from the branch.
- 16 **WDBK\_DW\_SUB**  
Branch wood and bark subsample dry weight. The dry weight, in grams, of the wood and bark subsample cut from the branch.
- 17 **WD\_DW\_SUB**

Branch wood subsample dry weight. The dry weight, in grams, of the wood subsample cut from the branch.

18 **BK\_DW\_SUB**

Branch bark subsample dry weight. The dry weight, in grams, of the bark subsample cut from the branch.

19 **IND\_SUB**

Subsample additivity indicator. A variable which indicates whether the branch wood and bark separate subsamples are additive with the wood and bark subsample (i.e., does  $BR\_WD\_GW\_SUB + BR\_BK\_GW\_SUB = BR\_WDBK\_GW\_SUB$ ): 1. Samples are additive; 2. Samples are not additive (i.e., the wood and/or bark subsamples were additionally subsampled).

20 **WDBK\_MC\_SUB**

Branch wood and bark subsample moisture content. The weight of moisture of the branch wood and bark, expressed as a percentage of oven-dry weight (i.e.,  $(BR\_WDBK\_GW\_SUB - BR\_WDBK\_DW\_SUB) / BR\_WDBK\_DW\_SUB * 100\%$ ).

21 **WD\_MC\_SUB**

Branch wood subsample moisture content. The weight of moisture of the branch wood, expressed as a percentage of oven-dry weight (i.e.,  $(BR\_WD\_GW\_SUB - BR\_WD\_DW\_SUB) / BR\_WD\_DW\_SUB * 100\%$ ).

22 **BK\_MC\_SUB**

Branch bark subsample moisture content. The weight of moisture of the branch bark, expressed as a percentage of oven-dry weight (i.e.,  $(BR\_BK\_GW\_SUB - BR\_BK\_DW\_SUB) / BR\_BK\_DW\_SUB * 100\%$ ).

23 **FOL\_GW\_SUB**

Foliage subsample green weight. The green weight, in grams, of the foliage subsample cut from the branch.

24 **FOL\_DW\_SUB**

Foliage subsample dry weight. The dry weight, in grams, of the foliage subsample cut from the branch.

25 **FOL\_MC\_SUB**

Foliage subsample moisture content. The weight of moisture of the foliage, expressed as a percentage of oven-dry weight (i.e.,  $(FOL\_GW\_SUB - FOL\_DW\_SUB) / FOL\_DW\_SUB * 100\%$ ).

26 **WDBKF\_GW**

Total branch green weight. The green weight, in pounds, of the wood, bark, and foliage of the branch.

- 27 **WDBK\_GW**  
Branch wood and bark green weight. The green weight, in pounds, of the wood and bark of the branch.
- 28 **WD\_GW**  
Branch wood green weight. The green weight, in pounds, of the wood of the branch.
- 29 **BK\_GW**  
Branch bark green weight. The green weight, in pounds, of the bark of the branch.
- 30 **FOL\_GW**  
Branch foliage green weight. The green weight, in pounds, of the foliage of the branch.
- 31 **WDBKF\_DW**  
Total branch dry weight. The dry weight, in pounds, of the wood, bark and foliage of the branch.
- 32 **WDBK\_DW**  
Branch wood and bark dry weight. The dry weight, in pounds, of the wood and bark of the branch.
- 33 **WD\_DW**  
Branch wood dry weight. The dry weight, in pounds, of the wood of the branch.
- 34 **BK\_DW**  
Branch bark dry weight. The dry weight, in pounds, of the bark of the branch.
- 35 **FOL\_DW**  
Branch foliage dry weight. The dry weight, in pounds, of the foliage of the branch.
- 36 **CEN**  
Branch census indicator. A variable which indicates whether the branches listed for a given tree are all of the branches in the tree (i.e., will the sum of BRANCH.BR\_WDBK\_DW equal TREE.BRT\_WDBK\_DW)

**Table LEGACY CORE**

No.	Column Name	Descriptive Name	Data Type
1	AUTHOR	Author	VARCHAR2
2	LOC	Location	VARCHAR2
3	SPCD	Species code	NUMBER(4,0)
4	TREENO	Tree number	VARCHAR2
5	CORENO	Core identifier	VARCHAR2

6	CV	Core volume	NUMBER(5,3)
7	SATW	Core saturated weight	NUMBER(5,3)
8	EXTSATW	Core extracted saturated weight	NUMBER(5,3)
9	DW	Core dry weight	NUMBER(5,3)
10	EXTDW	Core extracted dry weight	NUMBER(5,3)
11	SG	Core specific gravity	NUMBER(5,4)
12	EXTSG	Core extracted specific gravity	NUMBER(5,4)
13	METH	Specific gravity method	NUMBER(1,0)
14	HT	Core height	NUMBER(4,1)

### Core Table Detailed Explanations

**1 AUTHOR**

Author. The name of author (or authors) who conducted the study.

**2 LOC**

Location. The location where a tree was growing. See the LOCATION table for a more detailed description.

**3 SPCD**

Species code. FIA species code. Refer to the FIADB Phase 2 Users' Manual, version 5.1, Appendix F for list of species codes.

**4 TREENO**

Tree number. A tree identifier that is unique within AUTHOR, LOC, and SPCD.

**5 CORENO**

Core identifier. Used to identify an individual core. Unique within tree.

**6 CV**

Core volume. The volume, in cubic centimeters, of the increment core.

**7 SATW**

Core saturated weight. The weight, in grams, of the fully-saturated core.

**8 EXTSATW**

Core extracted saturated weight. The weight, in grams, of the fully-saturated core after removal of extractives (eg., Olearesins and polyphenols).

**9 DW**

Core dry weight. The dry weight, in grams, of the increment core before the removal of extractives (eg., Olearesins and polyphenols).

**10 EXTDW**

Core extracted dry weight. The dry weight, in grams, of the increment core after the removal of extractives (eg., Olearesins and polyphenols).

**11 SG**

Core specific gravity. The specific gravity, in grams per cubic- centimeter, of the core (eg., Olearesins and polyphenols).

**12 EXTSG**

Core extracted specific gravity. The specific gravity, in grams per cubic-centimeter of the core after the removal of extractives (eg., Olearesins and polyphenols).

**13 METH**

Specific gravity method. Method used to determine specific gravity. 1. Green volume to dry weight method where core volume is determined using water displacement; 2. Green volume to dry weight method where core volume is determined by estimating the volume via core diameter and length; 3. Maximum moisture content method (see Smith 1954); 4. Method unknown.

**14 HT**

Core height. The height, in feet, measured from the ground line to where the core was collected in the stem.

**Appendix I. Variable Components**

**Naming of Variables**

Do to the high number of variables, especially in the tree table, variable naming is generally as follows.

COMPONENT\_SUBCOMPONENT\_MEASUREMENT\_LIMITER/LOCATOR/TIME\_PERIOD/SIZE

The limiter/locator specifies a height limit/top limit or diameter limit. HT\_4, for instance is the stem height to a 4 inch top. A locator could be BH breast height, TOP, which could refer to the top third of the crow; TIME includes INIT (initial) or PRES (present). Size could be LG for large branches, XL for extra large...

Variable	Definition	Variable Type	Table(s)
AG	Above-ground	Component	T
AS	Above-stump	Component	T
BR	Branch	Component	B
BRD	Dead branches	Component	T
BRL	Live branches	Component	T

BRT	Live plus dead branches	Component	T
CR	Crown	Component	T
CT	Complete tree (above plus below ground)	Component	T
DSK	Disk	Component	D
FOL	Foliage	Component	TB
RT	Root	Component	T
SC	Section	Component	S
SP	Stump	Component	T
ST	Stem	Component	T
STD	Stand	Component	T
TP	Stem top	Component	T
TT	Total tree	Component	T
TW	Twig	Component	T
BH	Breast height	Limiter/Locator	T
BLC	Base of the live crown / lowest live limb	Limiter/Locator	T
BOT	Bottom third of crown or section bottom	Limiter/Locator	TS
DSTEM_MIN	Minimum upper-stem diameter	Limiter/Locator	T
GL	Ground line	Limiter/Locator	T
INIT	Initial	Limiter/Locator	T
LG	Large	Limiter/Locator	T
MD	Medium	Limiter/Locator	T
MID	Middle third of crown	Limiter/Locator	T
MR	Merchantable	Limiter/Locator	T
MS	Mid stem	Limiter/Locator	T
NEW	New	Limiter/Locator	T
OLD	Old	Limiter/Locator	T
PRES	Present	Limiter/Locator	T
SM	Small	Limiter/Locator	T
SUB	Subsample	Limiter/Locator	DB
TL	Top limit	Limiter/Locator	T
TOP	Top third of crown or section top	Limiter/Locator	TS
TOT	Total	Limiter/Locator	T
XL	Extra-large	Limiter/Locator	T
AGE	Age	Measurement	TD
AR	Area	Measurement	T
BAPA	Basal area per acre	Measurement	T
CEN	Additive Census Indicator	Measurement	SB
CV	Cubic-foot volume	Measurement	TSD
D	Diameter	Measurement	TSDB



DW	Dry weight	Measurement	TSDB
EXT	Extracted	Measurement	C
FC	Form class	Measurement	T
FR	Fraction	Measurement	T
GW	Green weight	Measurement	TSDB
HT	Height	Measurement	TSDB
IND	Indicator	Measurement	T
LEN	Length	Measurement	SB
LENH	Horizontal length	Measurement	B
LENV	Vertical length	Measurement	B
MC	Moisture content	Measurement	TDB
METH	Sampling method	Measurement	TBC
N	Number of	Measurement	T
NPTS	Number of taper measurement points	Measurement	T
PR	Production	Measurement	T
SATW	Saturate weight	Measurement	C
SG	Specific Gravity	Measurement	TD
SI	Site index	Measurement	T
SIZE	Diameter minimum	Measurement	T
SLA	Specific-leaf area	Measurement	TB
STR	Crown subdivisions/strata	Measurement	T
TEMP	Drying temperature	Measurement	TDB
THIN_AGE	Thinning age	Measurement	T
TOP	Top third	Limiter/Locator	T
TP	Stem top	Component	T
TPA	Trees per acre	Measurement	T
TRT	Silvicultural treatment	Measurement	T
WID	Width	Measurement	T
BK	Bark	Sub-component	TSDB
IB	Inside bark	Sub-component	TSD
OB	Outside bark	Sub-component	TSD
WD	Wood	Sub-component	TSDB
WDBK	Wood and bark	Sub-component	TSDB
WDBKF	Wood, bark, and foliage	Sub-component	TSDB
AUTHOR	Author/Study	Core	LTSDBC
CCLCD	Crown/Canopy Class	Core	T
CW	Crown width	Core	T
LOC	Location	Core	LTSDBC
ORIGIN	Origin	Core	T

REGION	Region	Core	T
SPCD	Species Code	Core	LTSDBC
TREENO	Tree ID	Core	TSDBC
YEAR	Year	Core	L