

Figure 1. Red maple (Carmean 1978  
 Northern Wisconsin and Upper Michigan  
 114f plots having 438 dominant and codominant trees  
 Stem analysis, nonlinear regression, polymorphic  
 Add 4 years d.b.h. to obtain total age (BH=0.0)

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	2.9435	0.9132	-0.0141	1.6580	-0.1095	0.99	0.49	2.0
SI	0.3263	1.0634	-0.0106	-1.2573	-0.0646	0.99	0.51	2.2

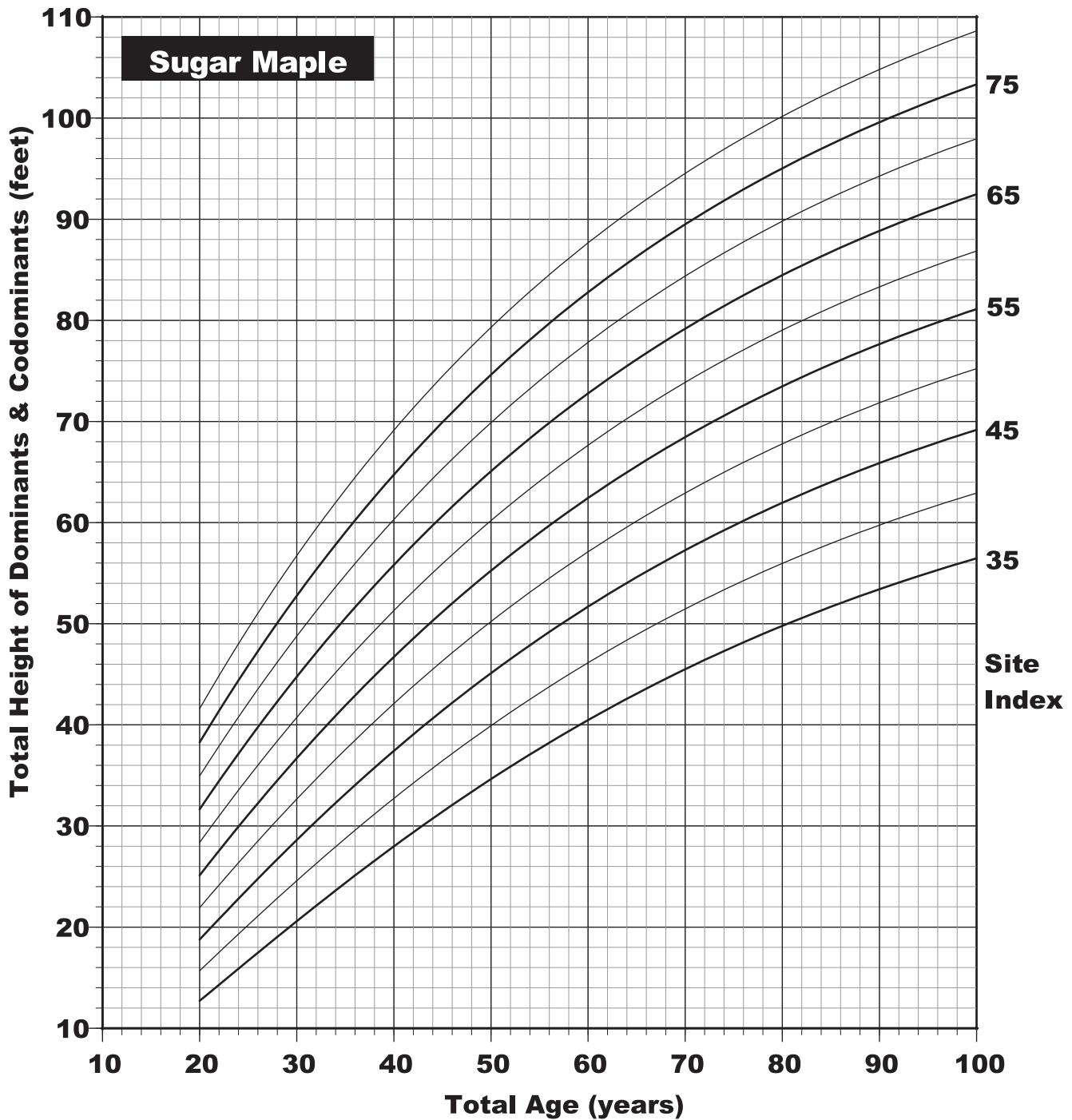


Figure 3. Sugar Maple (Carmean 1978)  
 Northern Wisconsin and Upper Michigan  
 177 plots having 721 dominant and codominant trees  
 Stem analysis, nonlinear regression, polymorphic  
 Add 4 years to d.b.h. to obtain total age (BH=0.0)

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	6.1308	0.6904	-0.0195	10.1563	-0.5330	0.99	1.26	5.3
SI	0.1984	1.2089	-0.0110	-2.4917	-0.2542	0.98	1.90	6.7

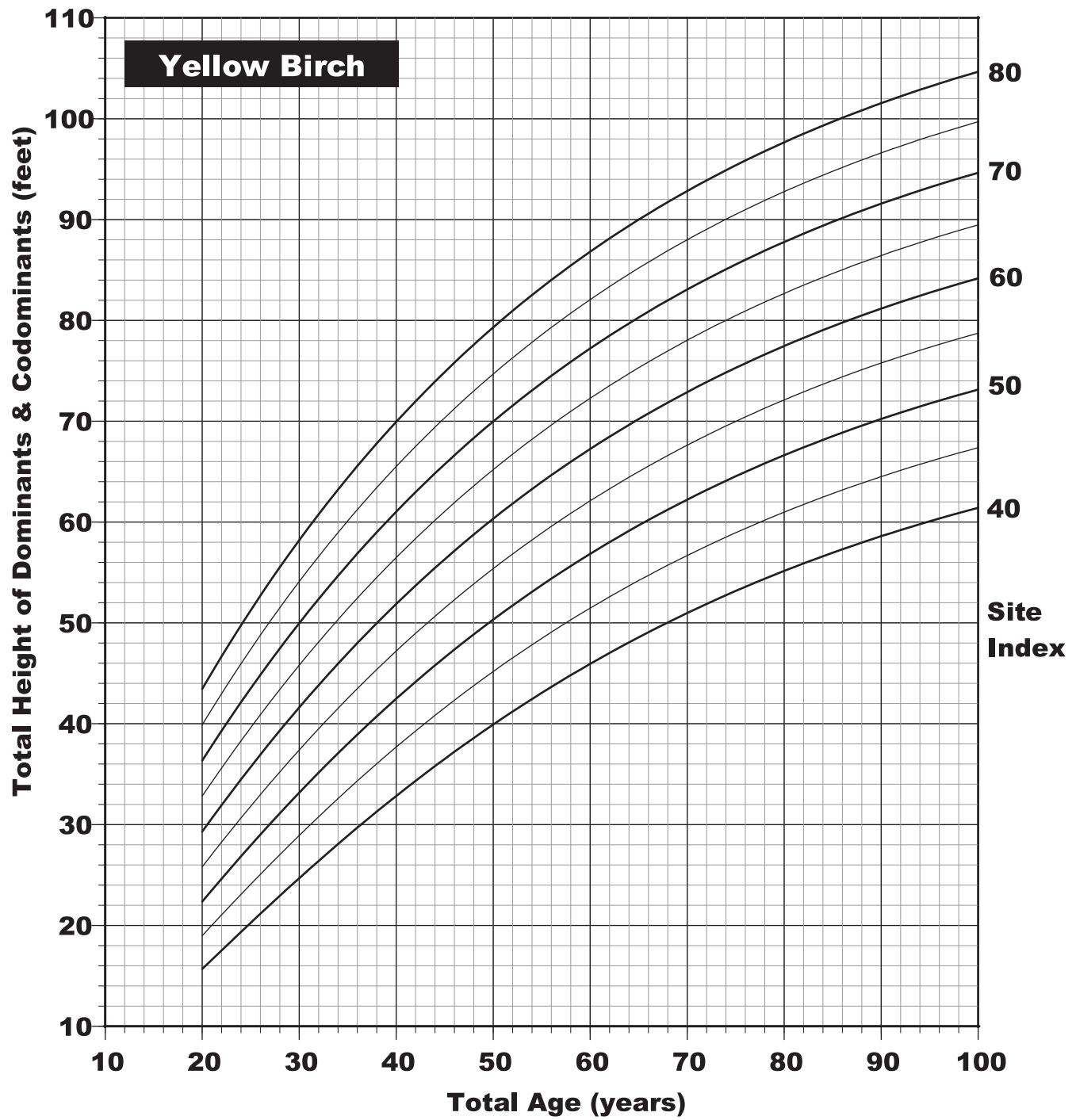


Figure 6. Yellow birch (Carmean 1978)  
 Northern Wisconsin and Upper Michigan  
 119 plots having 459 dominant and codominant trees  
 Stem analysis, nonlinear regression, polymorphic  
 Add 4 years to d.b.h. age to obtain total age (BH=0.0)

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	6.0522	0.6768	-0.0217	15.4232	-0.6354	0.99	1.29	5.0
SI	0.1817	1.2430	-0.0110	-3.0184	-0.3180	0.98	2.05	7.7

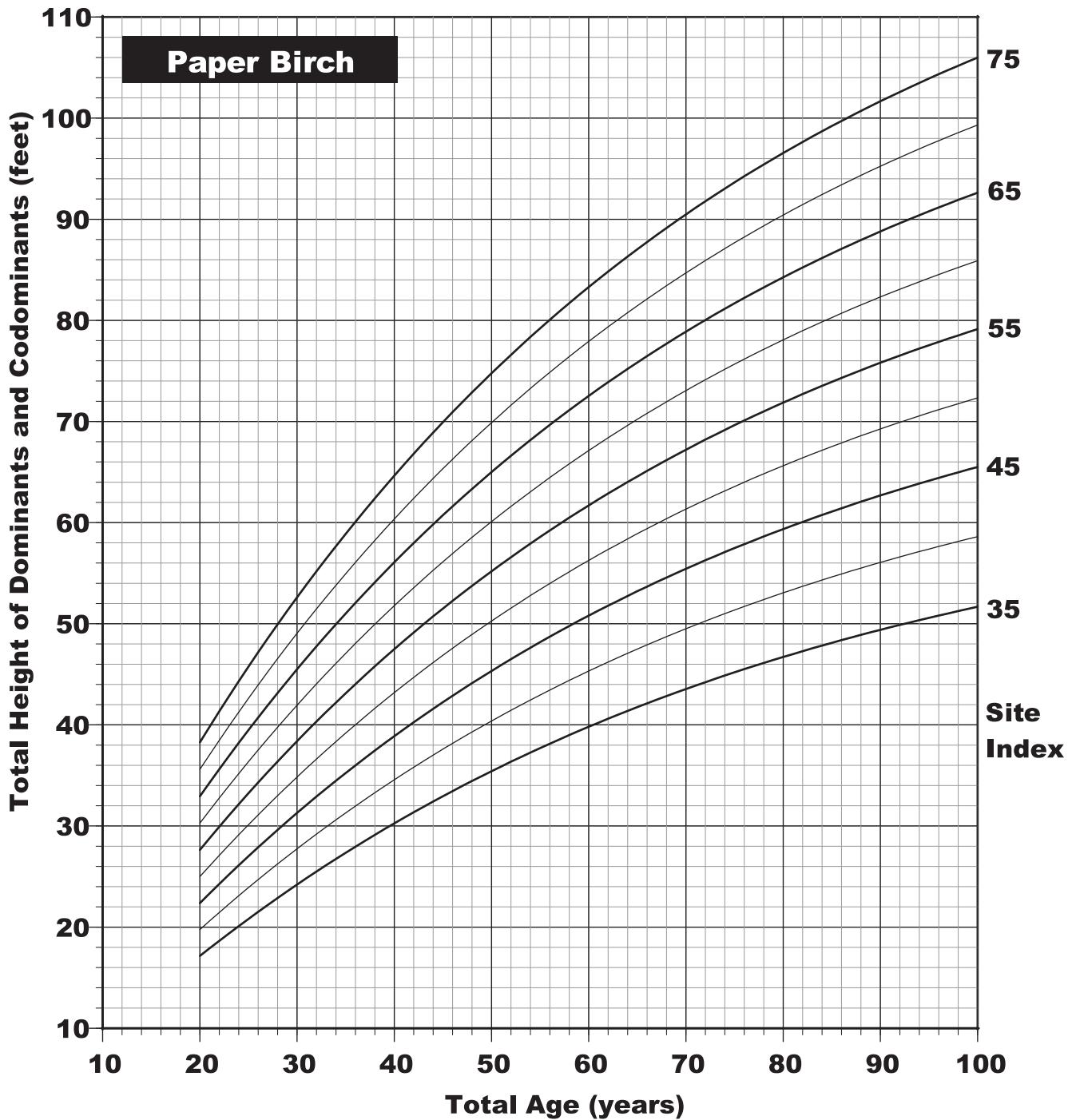


Figure 9. Paper birch (Carmean 1978)  
 Northern Wisconsin and Upper Michigan  
 30 plots having 93 dominant and codominant trees  
 Stem analysis, nonlinear regression, polymorphic  
 Add 4 years to d.b.h. age to obtain total age (BH=0.0)

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	2.4321	0.9207	-0.0168	1.5247	-0.1042	0.99	1.06	4.2
SI	0.5119	1.0229	-0.0167	-1.0284	-0.0049	0.98	1.07	4.3

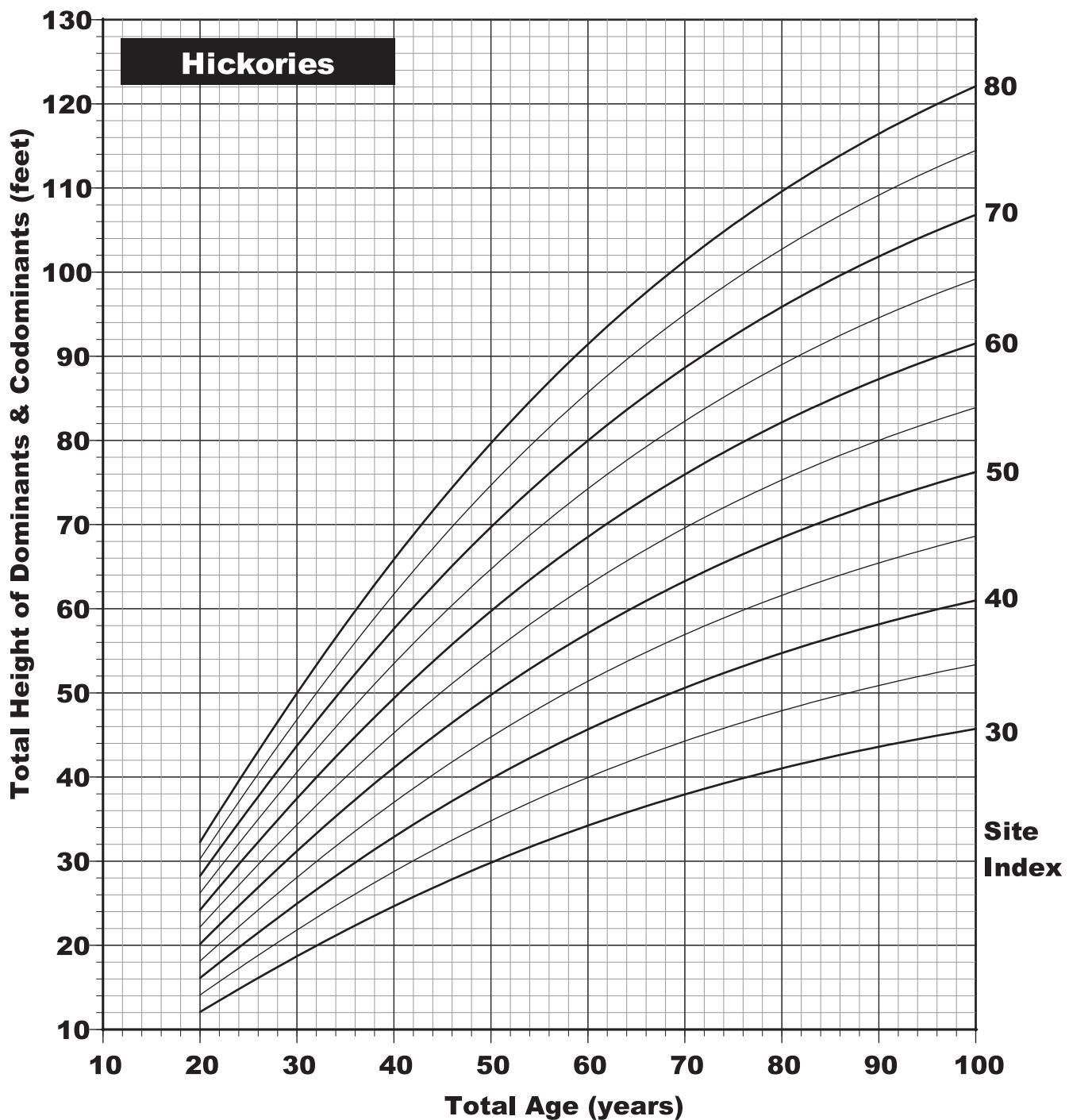


Figure 10. Hickories (Boisen and Newlin 1910, Hampf 1965)  
 Central States, Cumberland Mountains of Kentucky  
 30 plots, number of dominant trees not given  
 Total height and age, anamorphic, equation not given  
 Convert d.b.h. age to total age by adding years according to site index (BH= 0.0):

SI: 30 40 50 60 70 80  
 Years: 10 8 7 6 5 4

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	1.8326	1.0015	-0.0207	1.4080	-0.0005	0.99	.60	2.1
SI	0.5243	1.0126	-0.0216	-1.5897	-0.0239	0.99	.62	2.3

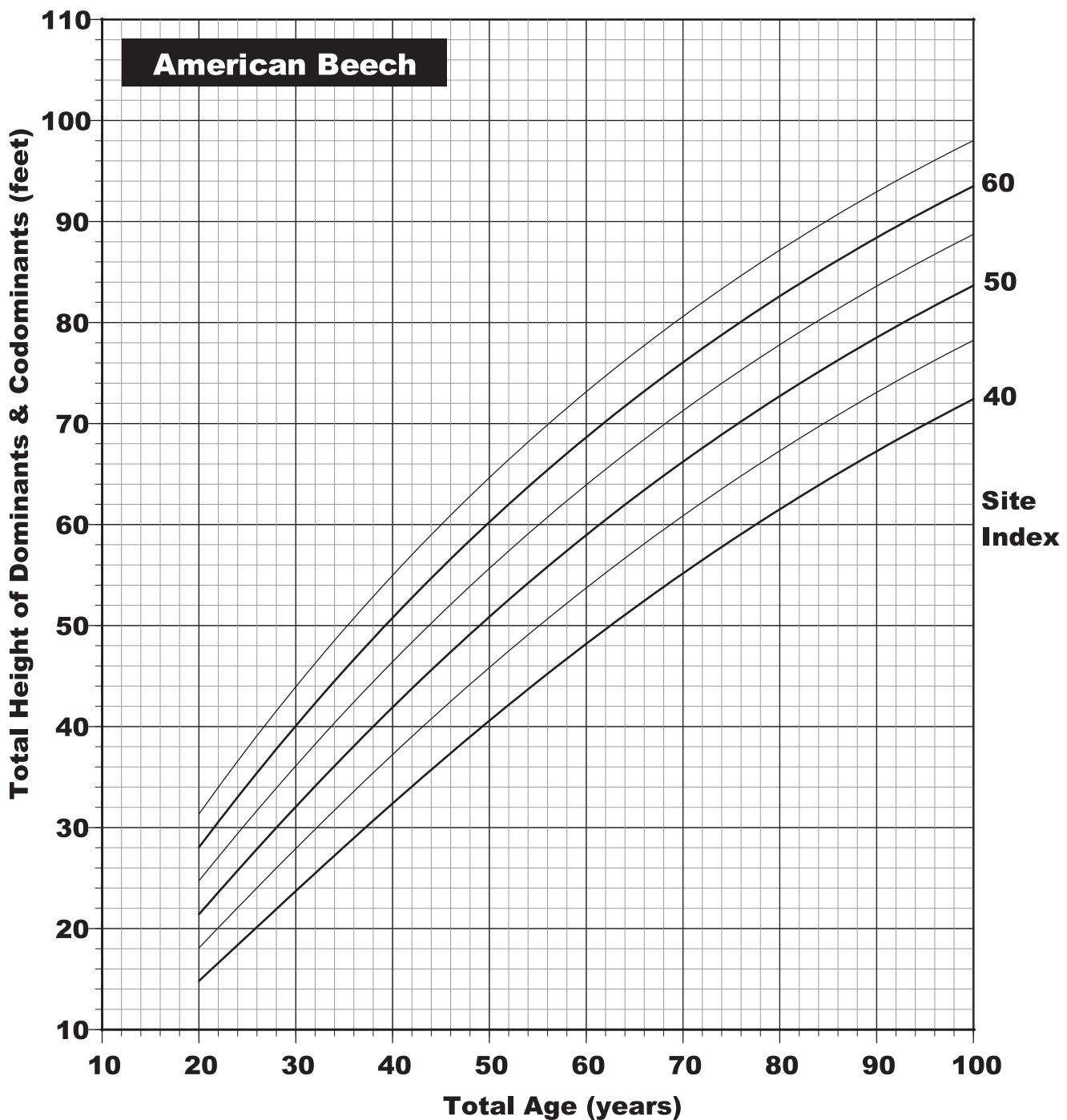


Figure 11. American beech (Carmean 1978)  
 Northern Wisconsin and Upper Michigan  
 19 plots having 70 dominant and codominant trees  
 Stem analysis, nonlinear regression, polymorphic  
 Add 4 years to d/b/h. age to obtain total age (BH=0.0)

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	29.7300	0.3631	-0.0127	16.7616	-0.6804	0.99	0.44	1.3
SI	0.2376	1.1312	-0.0109	-1.8550	-0.1430	0.96	1.99	6.5

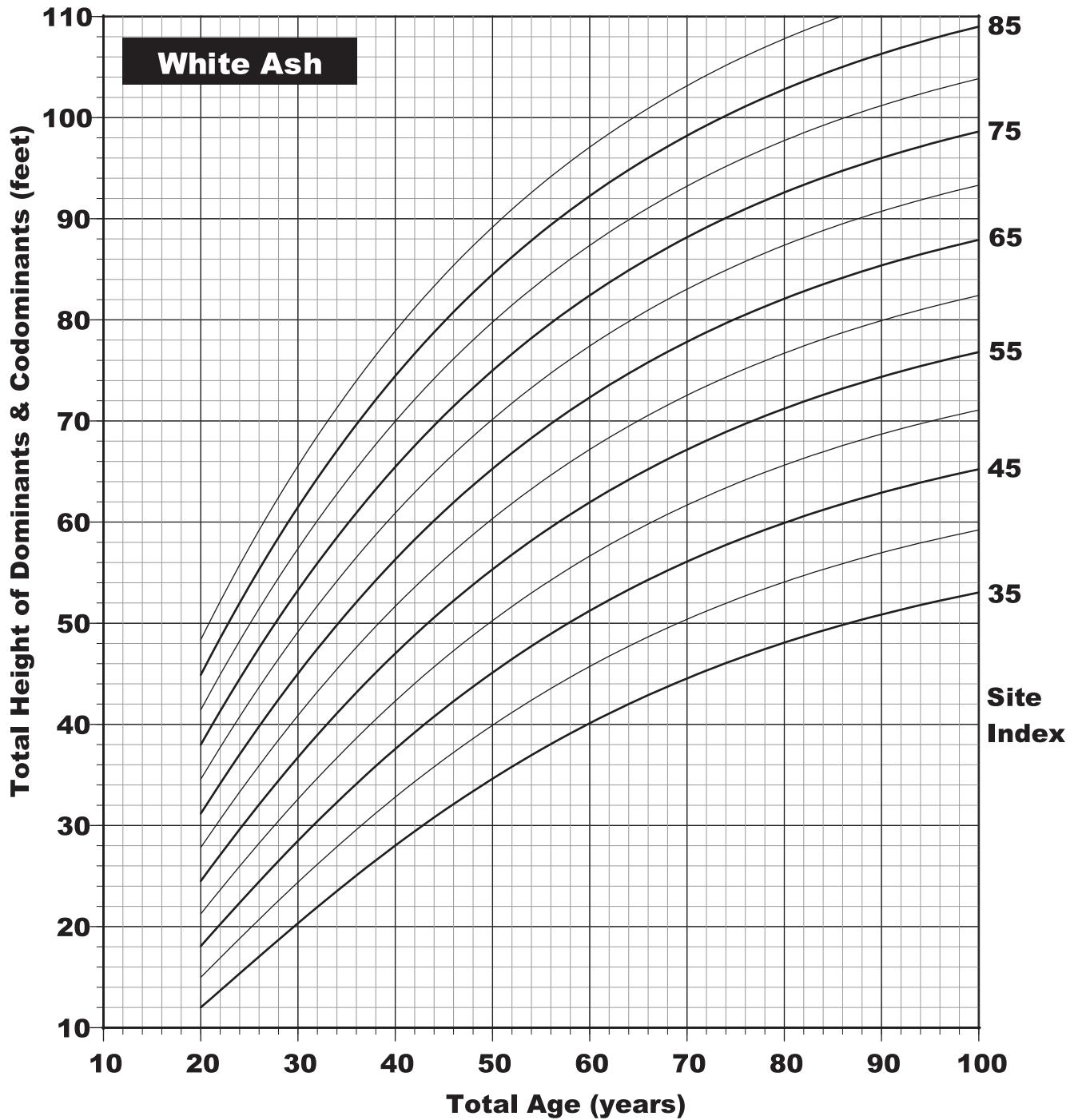


Fig 13. White ash (Carmean 1978)  
 Northern Wisconsin and Upper Michigan  
 73 plots having 275 dominant and codominant trees  
 Stem analysis, nonlinear regression, polymorphic  
 Add 4 years to d.b.h. age to obtain total age (BH=0.0)

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	4.1492	0.7531	-0.0269	14.5384	-0.5811	0.99	1.37	5.1
SI	0.1728	1.2560	-0.0110	-3.3605	-0.3452	0.99	1.99	9.5

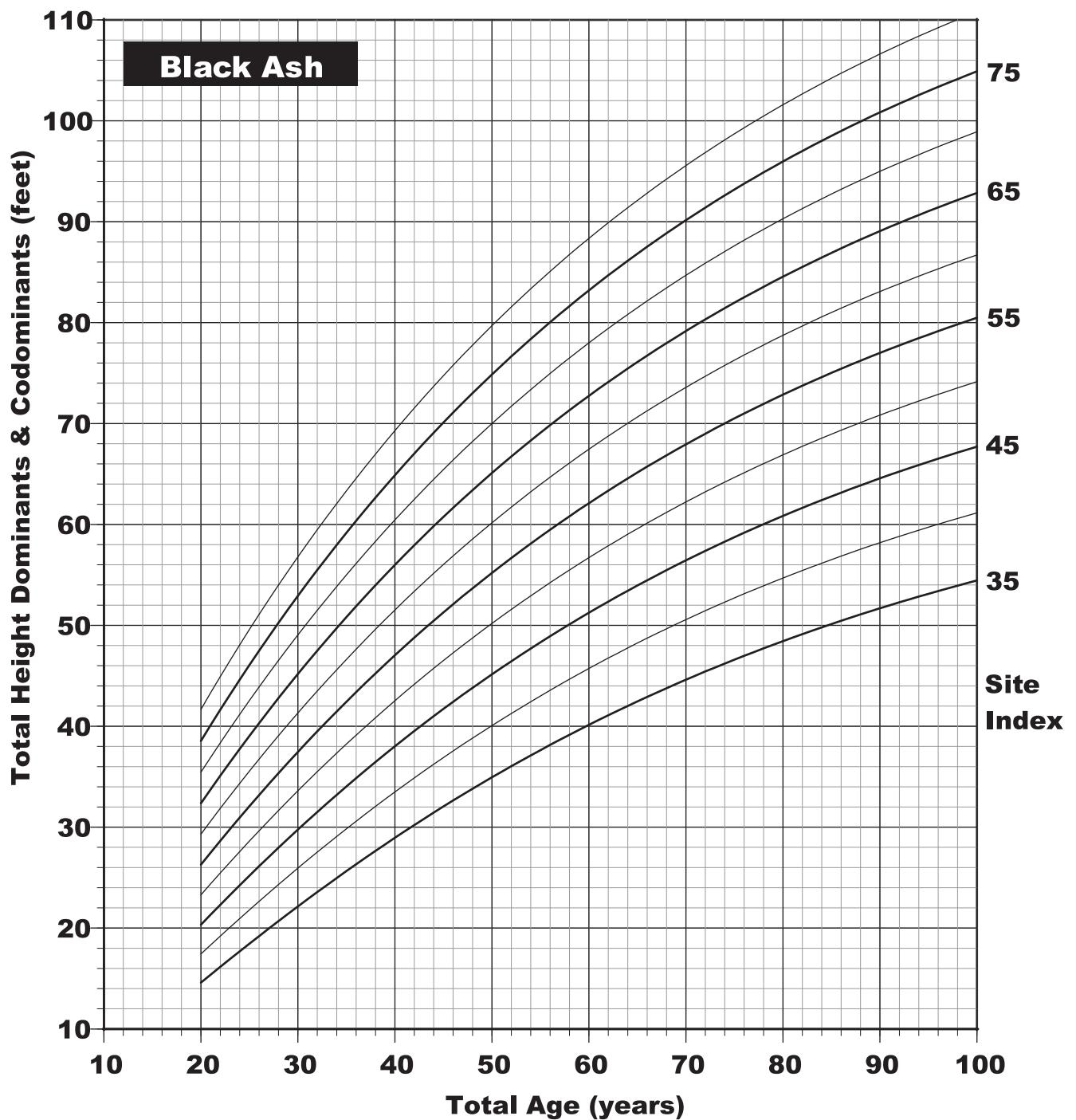


Figure 14. Black ash (Carmean 1978)  
 Northern Wisconsin and Upper Michigan  
 39 plots having 143 dominant and codominant trees  
 Stem analysis, nonlinear regression, polymorphic  
 Add 4 years to d.b.h. age to obtain total age (BH=0.0)

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	4.2286	0.7857	-0.0178	4.6219	-0.3591	0.99	.70	2.4
SI	0.2388	1.1583	-0.0102	-1.8455	-0.1883	0.99	.99	3.4

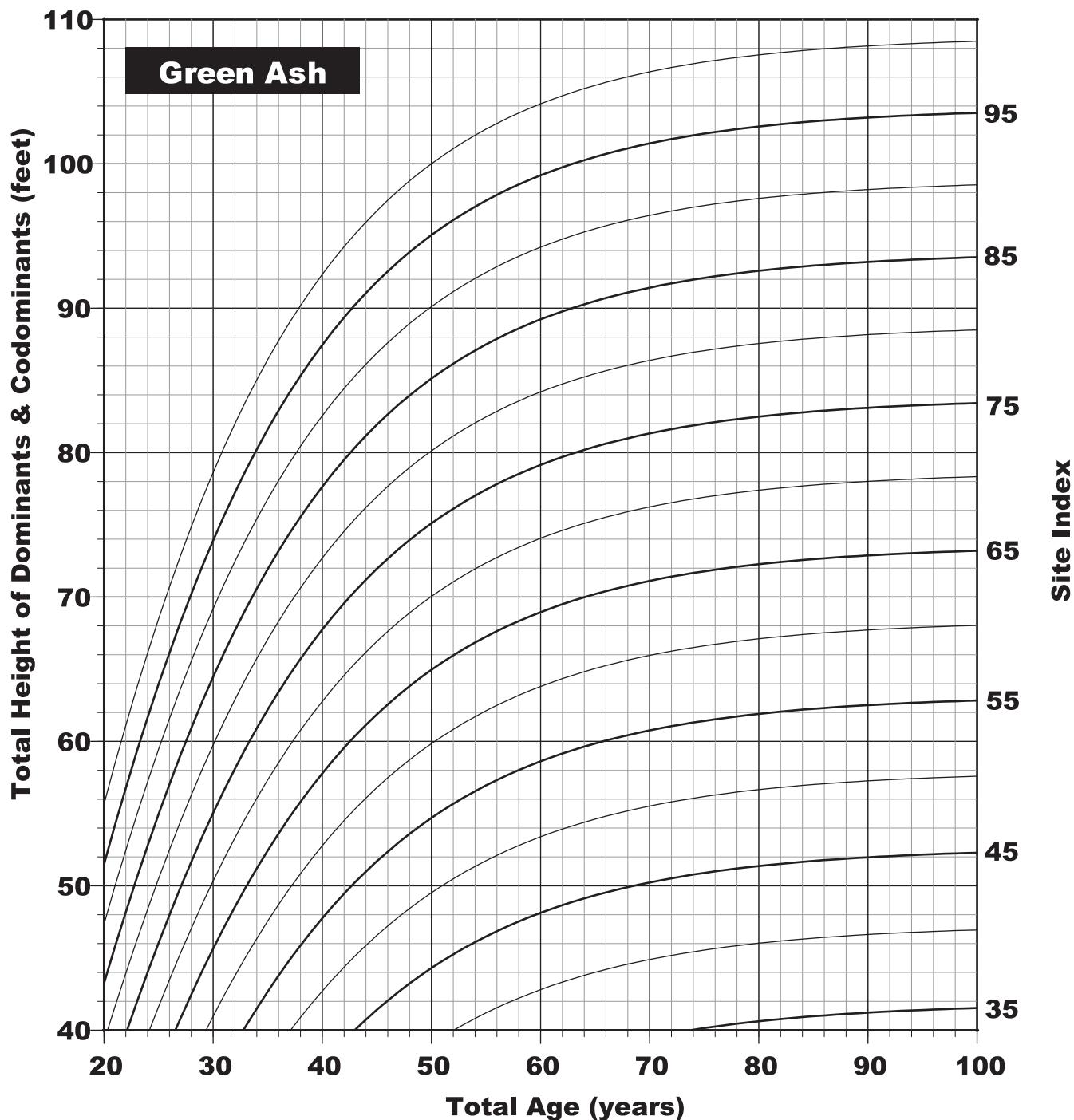


Figure 15. Green ash (Broadfoot 1969)  
 Mississippi Valley alluvium-La., Ms., Ar., Tn  
 Number of plots and number of dominant and codominant trees  
 not given  
 Stem analysis, graphically constructed anamorphic curves  
 Add 2 years to d.b.h. age to obtain total age (BH=0.0)

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	1.6505	0.9096	-0.0644	125.7045	-0.8908	0.99	1.20	0.8
SI	0.5672	1.0990	-0.0482	-38.2659	-0.7549	0.99	1.25	0.8

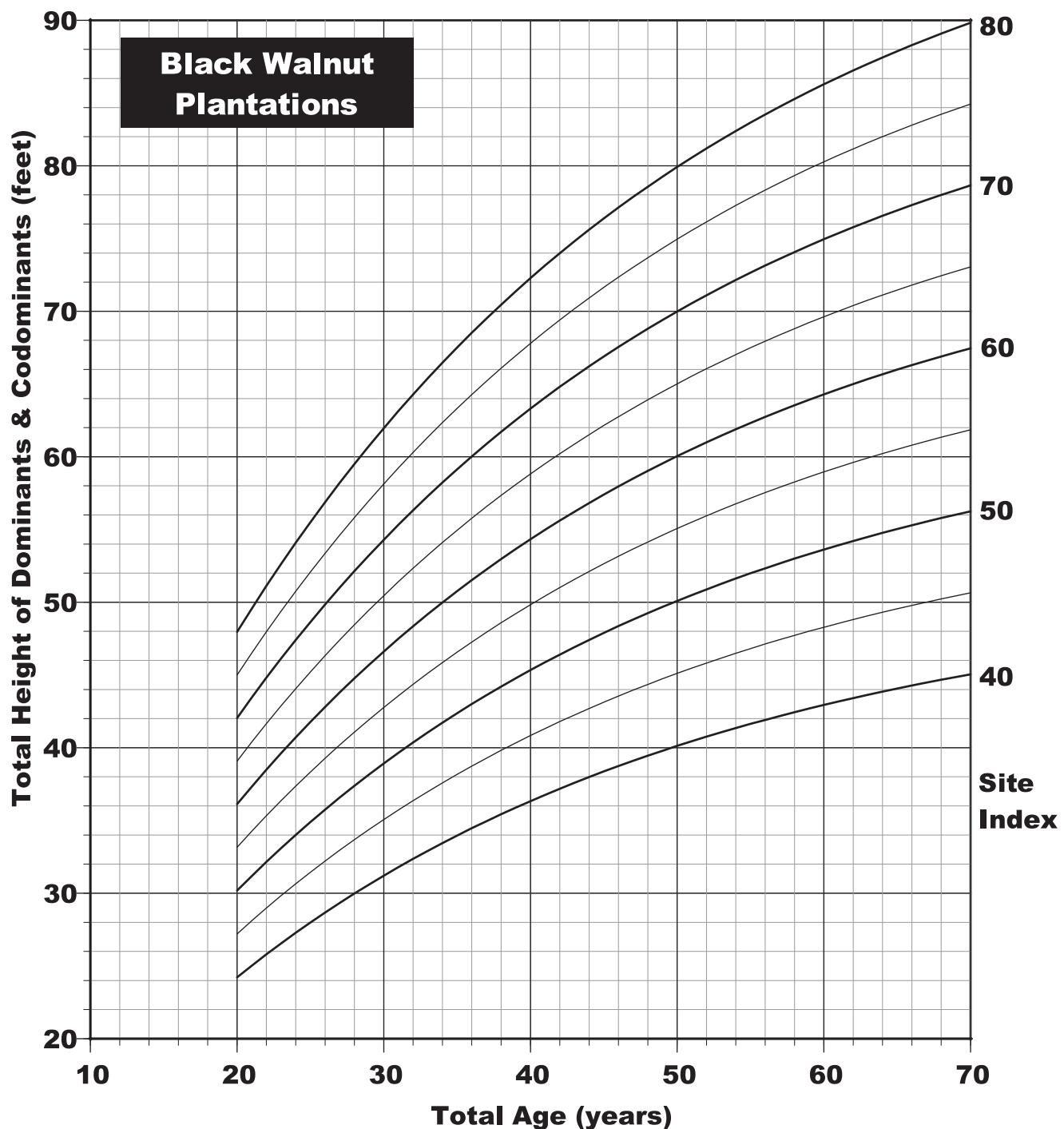


Figure 16. Black walnut plantations (Kellogg 1939b)

Central States

188 plots, number of dominant trees not given

Total height and total age, anamorphic, equation not given

Determine total age from stumps or planting records (do not damage trees by using an increment borer) (BH=0.0)

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	1.2898	0.9982	-0.0289	0.8546	0.0171	0.99	.44	1.7
SI	0.7875	0.9963	-0.0281	-0.7823	0.0353	0.99	.49	2.1

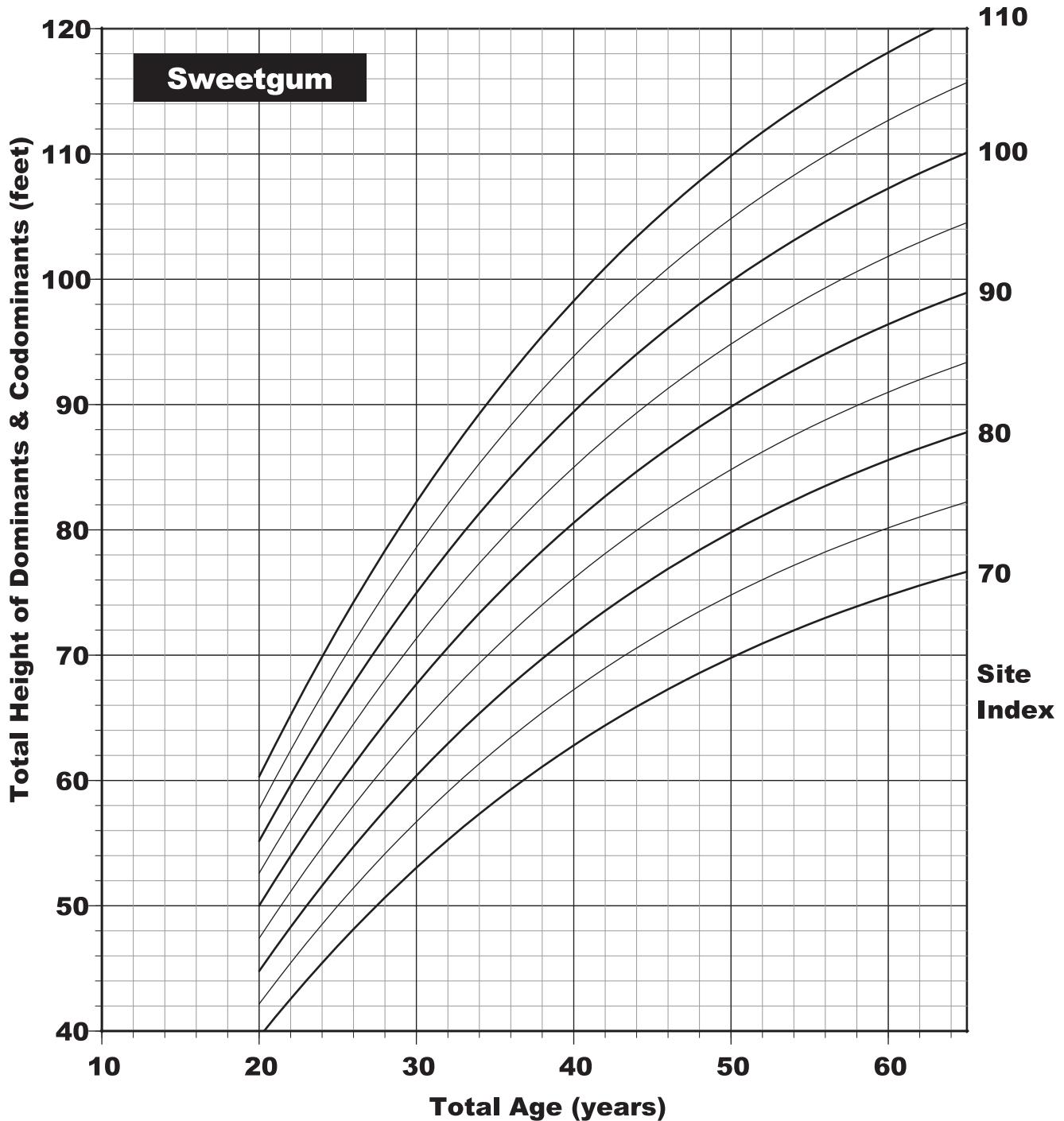


Figure 21. Sweetgum (Broadfoot and Krinard 1959)  
 Mississippi Valley alluvium-La., Ms., Ar., Tn.  
 Number of plots and number of dominant and codominant trees  
 not given  
 Stem analysis, graphically constructed anamorphic curves  
 Add 2 years to d.b.h. age to obtain total age (BH=0.0)

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	1.0902	1.0298	-0.0354	0.7011	0.1178	0.99	.86	3.9
SI	0.9550	0.9639	-0.0380	-0.6685	0.1478	0.99	.99	5.1

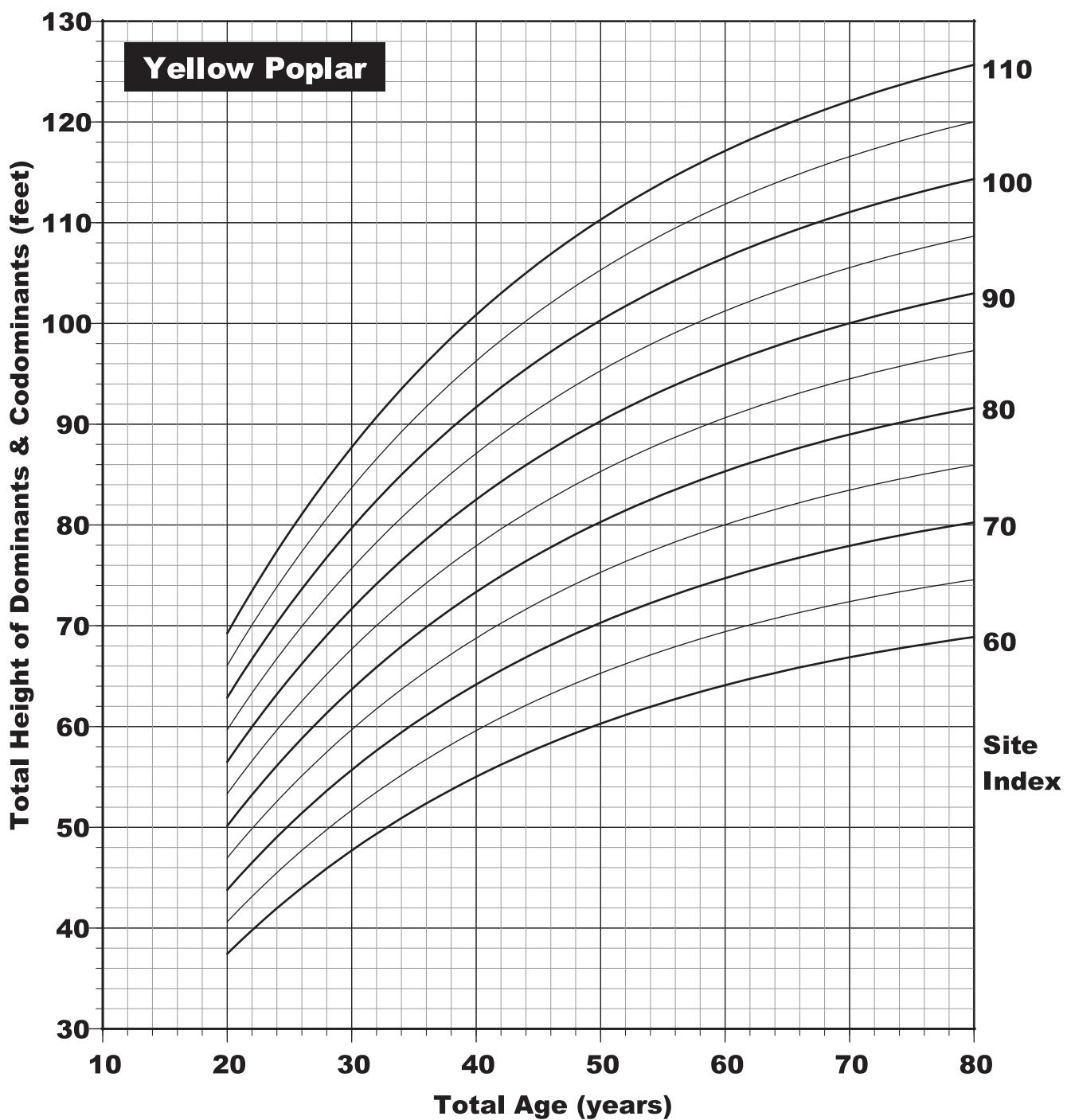


Figure 25. Yellow poplar (Schlaegel, Kulow, and Baughman 1969)  
 West Virginia Appalachians  
 123 plots, number of dominant and codominant trees not given  
 Total height and total age, anamorphic, logarithmic equation  
 Add 3 years to d.b.h. age to obtain total age (BH=0.0)

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	1.2941	0.9892	-0.0315	1.0471	-0.0368	0.99	1.18	2.1
SI	0.7459	1.0184	-0.0313	-1.2121	-0.0717	0.99	1.21	2.4

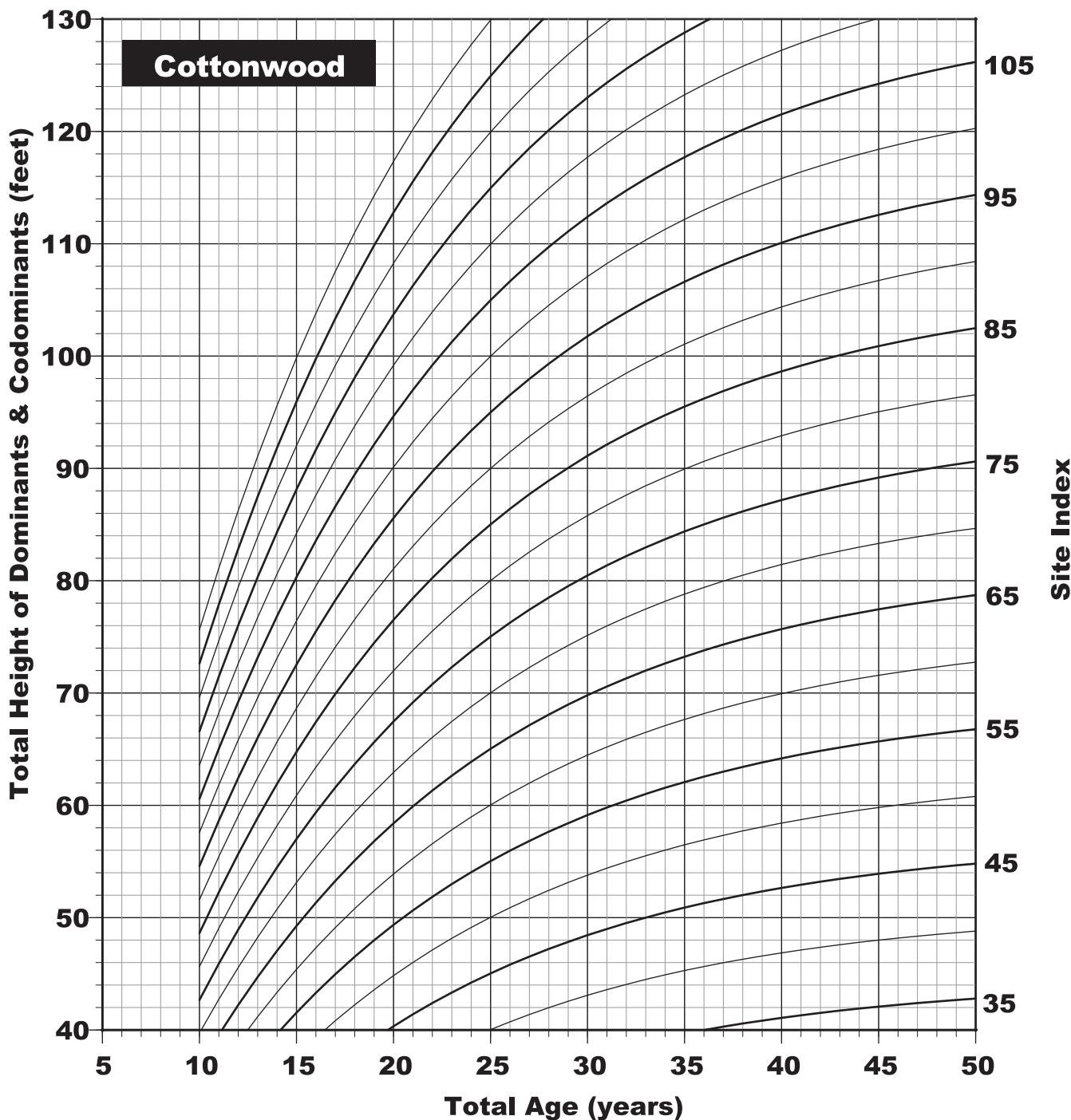


Figure 28. Cottonwood (Neebe and Boyce 1959)  
 Southern Illinois bottomlands and a few uplands  
 65 areas having 172 dominant and codominant trees  
 Total height and total age, anamorphic, site index prediction using  
 straight line "curves", equation not given  
 Site index is total height at 25 years total age  
 Add 2 years to d.b.h. age to obtain total age (BH=0.0)

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	1.3615	0.9813	-0.0675	1.5494	-0.0767	0.99	1.06	3.1
SI	0.6901	1.0316	-0.0655	-1.8288	-0.1226	0.99	1.05	3.3

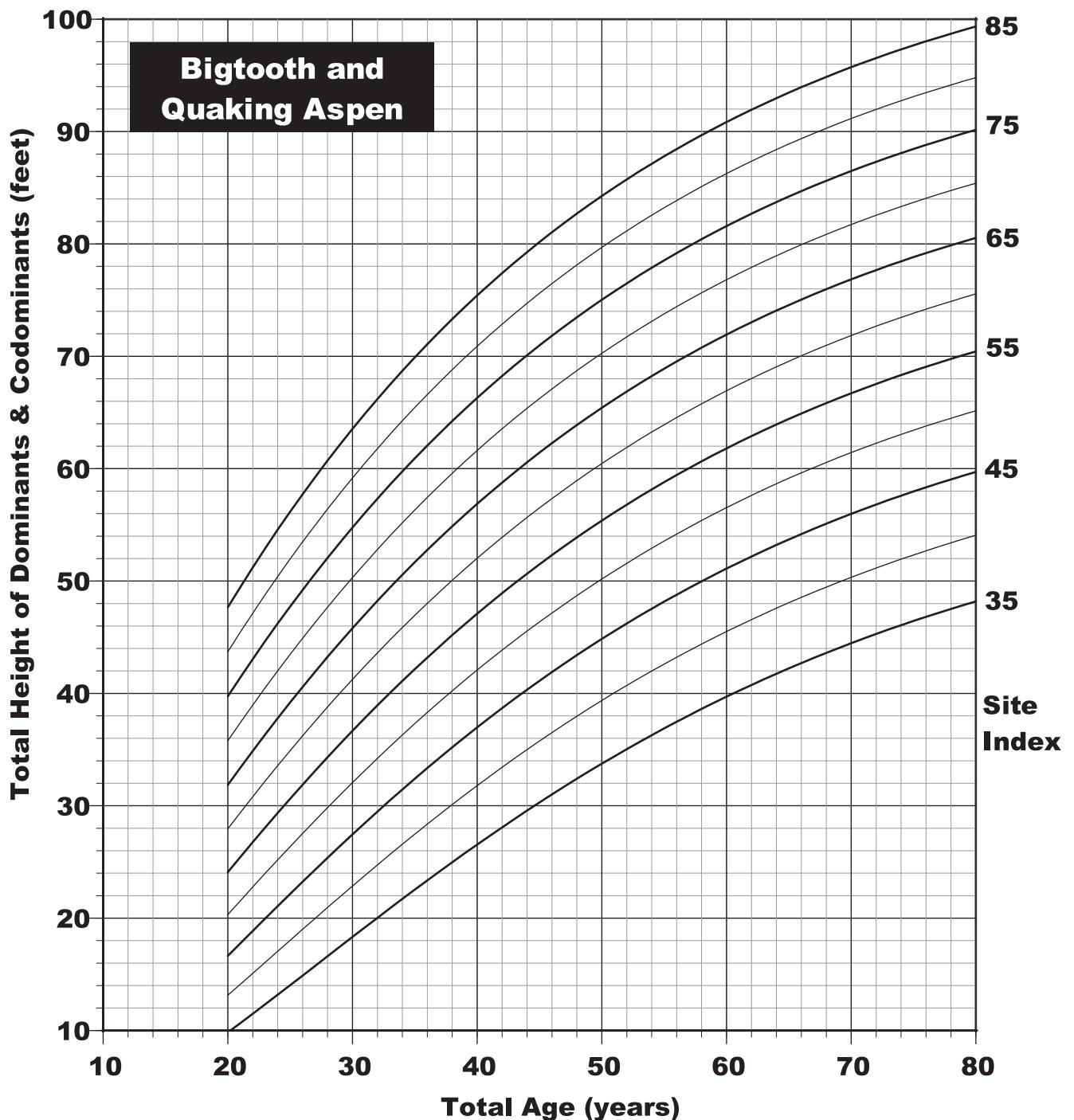


Figure 32. Bigtooth and Quaking aspen (Carmean 1978)  
 Northern Wisconsin and Upper Michigan  
 13 plots having 42 dominant and codominant trees  
 Stem analysis, nonlinear regression, polymorphic  
 Add 4 years to d.b.h. age to obtain total age (BH=0.0)

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	5.2188	0.6855	-0.0301	50.0071	-0.8695	0.99	1.58	4.5
SI	0.0612	1.4390	-0.0050	-3.9080	-0.4350	0.99	1.90	10.4

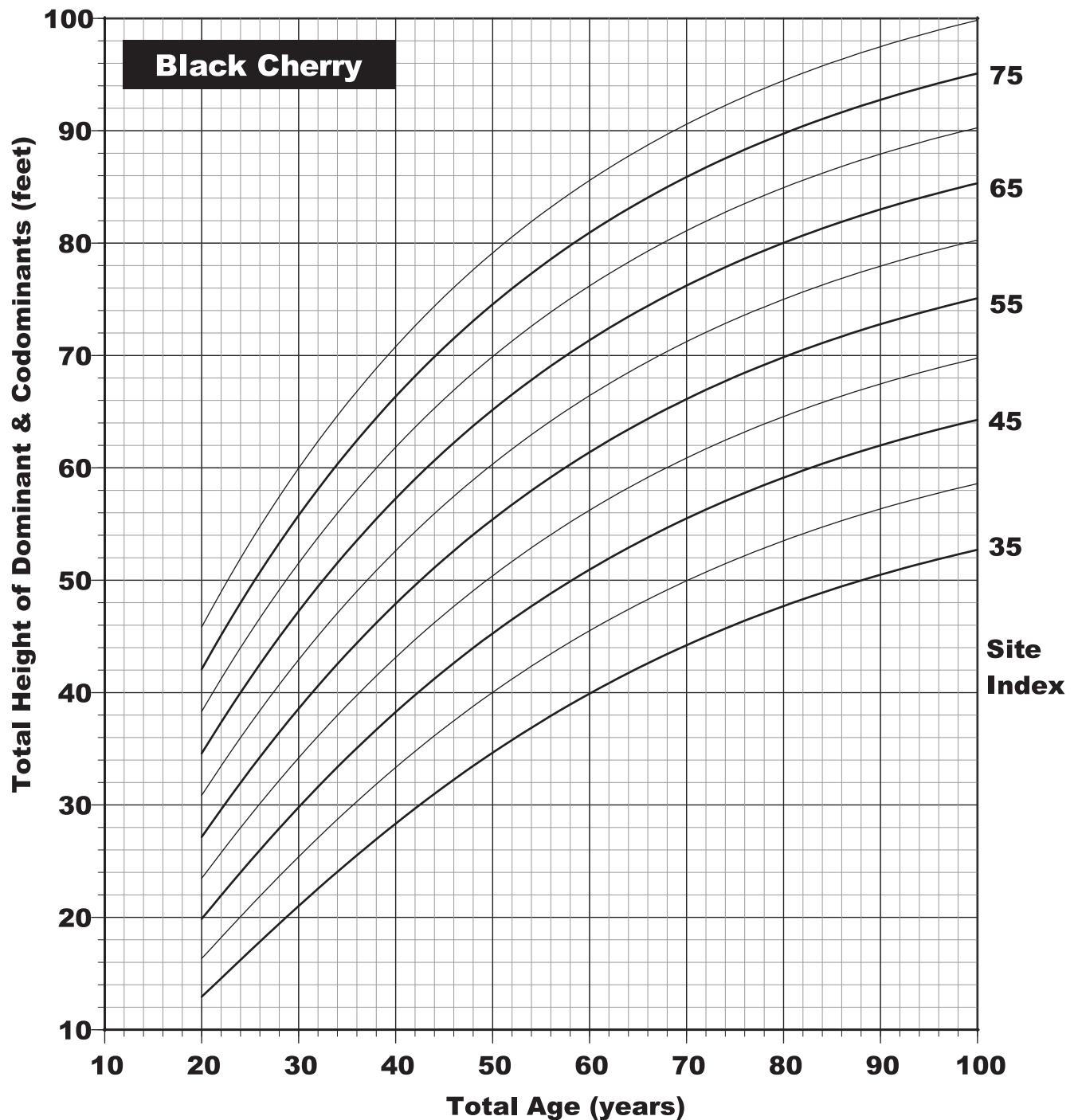


Figure 34. Black cherry (Carmean 1978)  
 Northern Wisconsin and Upper Michigan  
 42 plots having 126 dominant and codominant trees  
 Stem analysis, nonlinear regression, polymorphic  
 Add 4 years to d.b.h. age to obtain total age (BH=0.0)

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	5.1493	0.6948	-0.0248	20.9210	-0.7143	0.99	1.55	5.4
SI	0.1073	1.3455	-0.0070	-3.3034	-0.3899	0.99	1.77	9.1

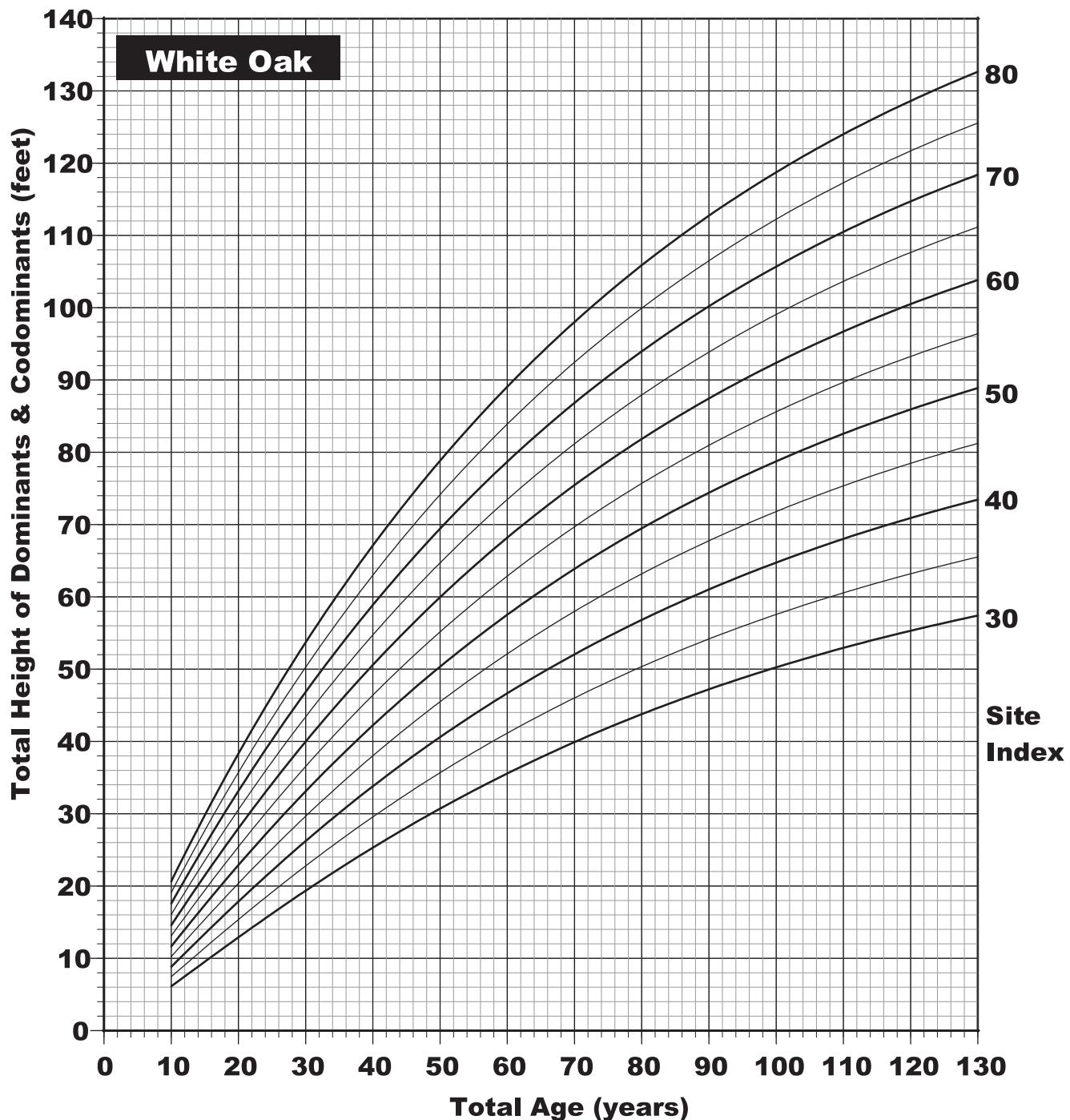


Figure 41. White oak (Carmean 1971, 1972)

Unglaciated uplands of southeastern Ohio, eastern Kentucky,  
southern Indiana, southern Illinois, and southern Missouri

41 plots having 112 dominant and codominant trees

Stem analysis, nonlinear regression, polymorphic

Add 3 years to d.b.h. age to obtain total age (BH=0.0)

	$b_1$	$b_2$	$b_3$	$b_4$	$b_5$	$R^2$	SE	Maximum difference
H	4.5598	0.8136	-0.0132	2.2410	-0.1880	0.99	2.69	(x)
SI	0.3387	1.0135	-0.0076	-0.9644	-0.0176	0.99	2.90	(x)

(x) Value not calculated because model was fitted to original data rather than to site index curves.

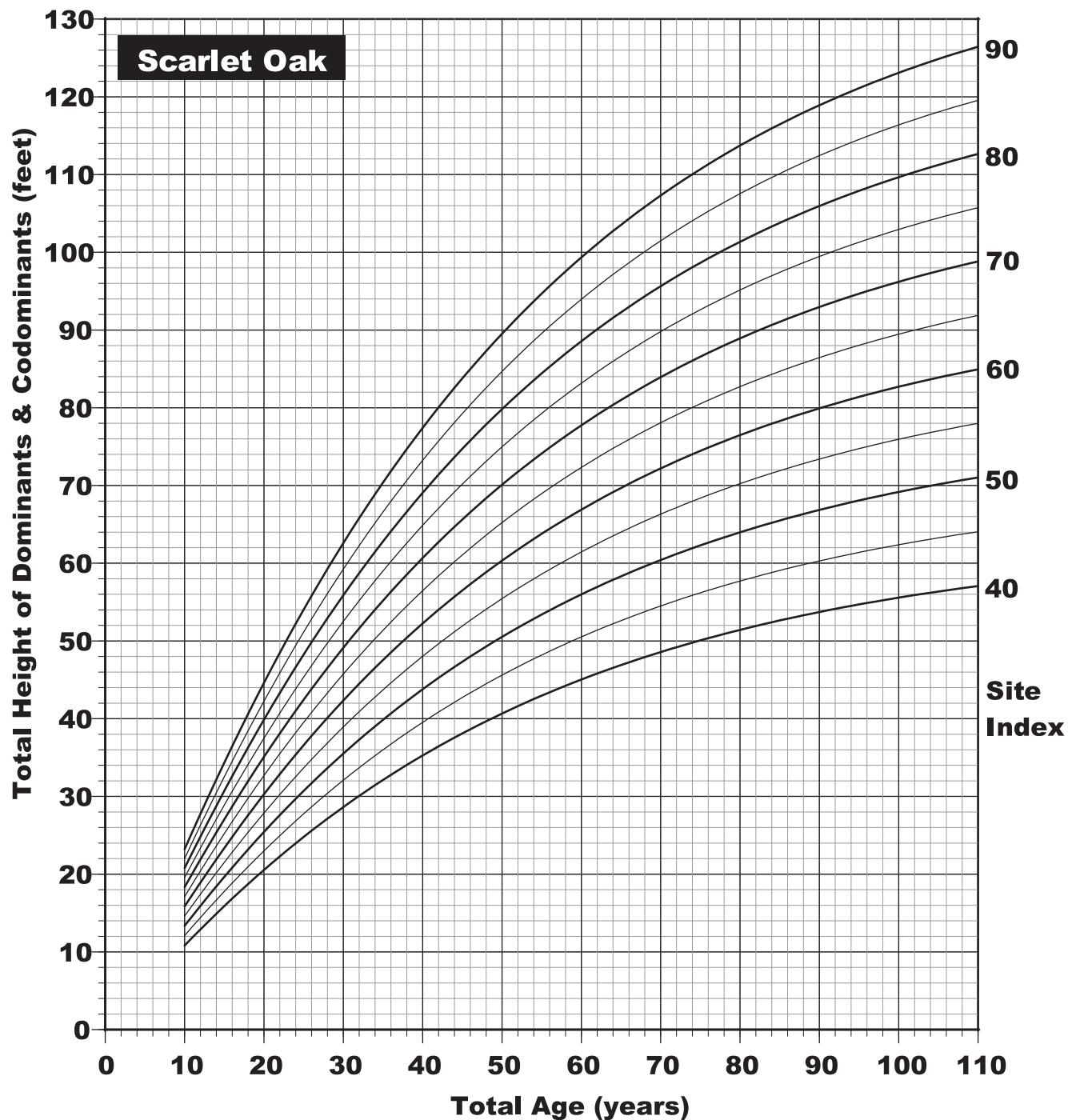


Figure 42. Scarlet oak (Carmean 1971,1972)

Unglaciated uplands of southeastern Ohio, eastern Kentucky,  
southern Illinois, and southern Missouri

25 plots having 88 dominant and codominant trees

Stem analysis, nonlinear regression, polymorphic

Add 3 years to d.b.h. age to obtain total age (BH=0.0)

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	1.6763	0.9837	-0.0220	0.9949	0.0240	0.99	2.77	(x)
SI	0.7423	0.9677	-0.0223	-1.0260	-0.0137	0.99	5.29	(x)

(x) Value not calculated because model was fitted to original data rather than to site index curves.

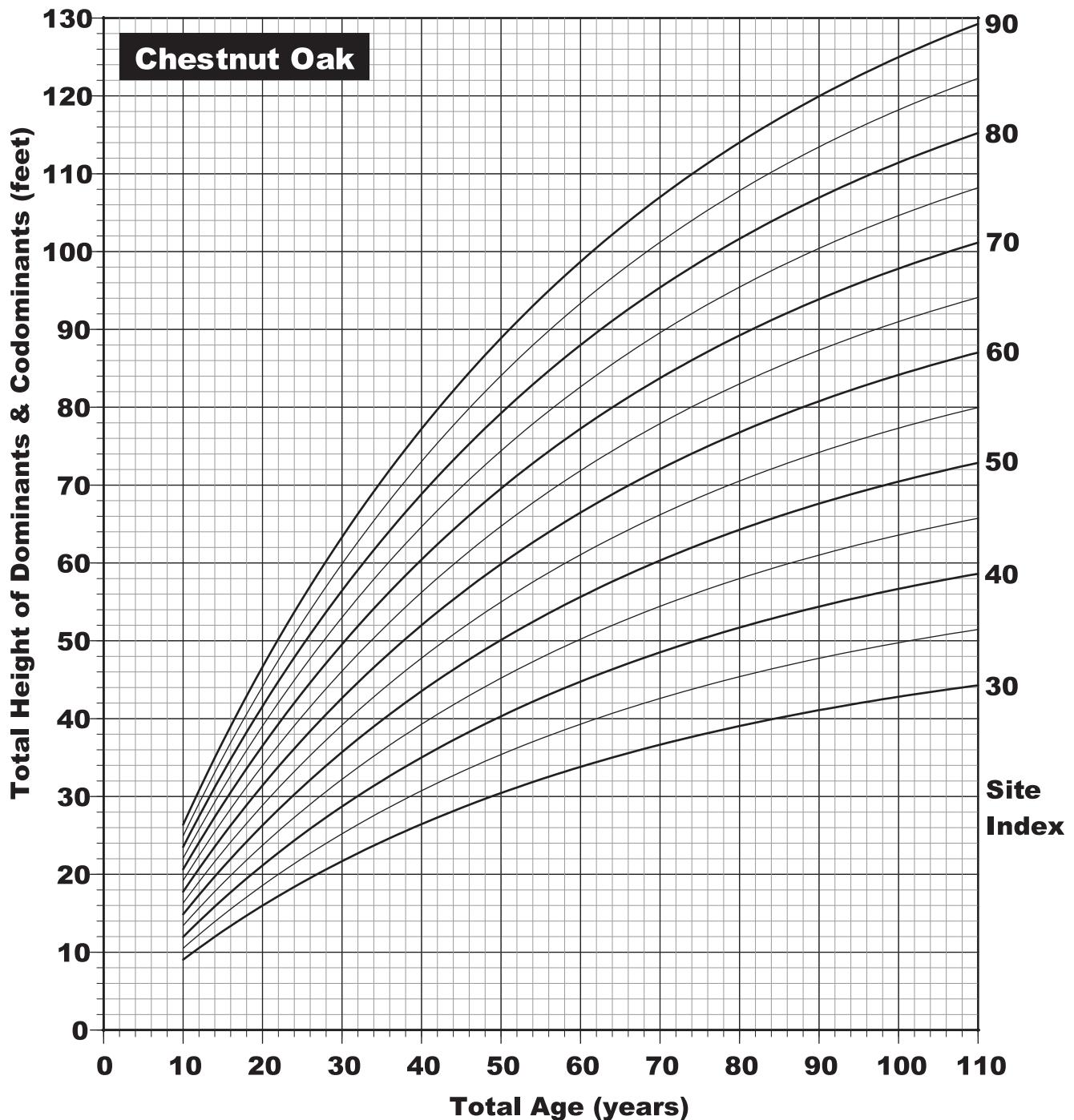


Figure 46. Chestnut oak (Carmean 1971, 1972)  
 Unglaciated uplands of southeastern Ohio, eastern Kentucky, and southern Indiana  
 18 plots having 59 dominant and codominant trees  
 Stem analysis, nonlinear regression, polymorphic  
 Add 3 years to d.b.h. age to obtain total age (BH=0.0)

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	1.9044	0.9752	-0.0162	0.9262	0.0000	0.99	3.28	(x)
SI	0.4124	1.0394	-0.0100	-0.9980	-0.0583	0.99	6.85	(x)

(x) Value not calculated because model was fitted to original data rather than to site index curves.

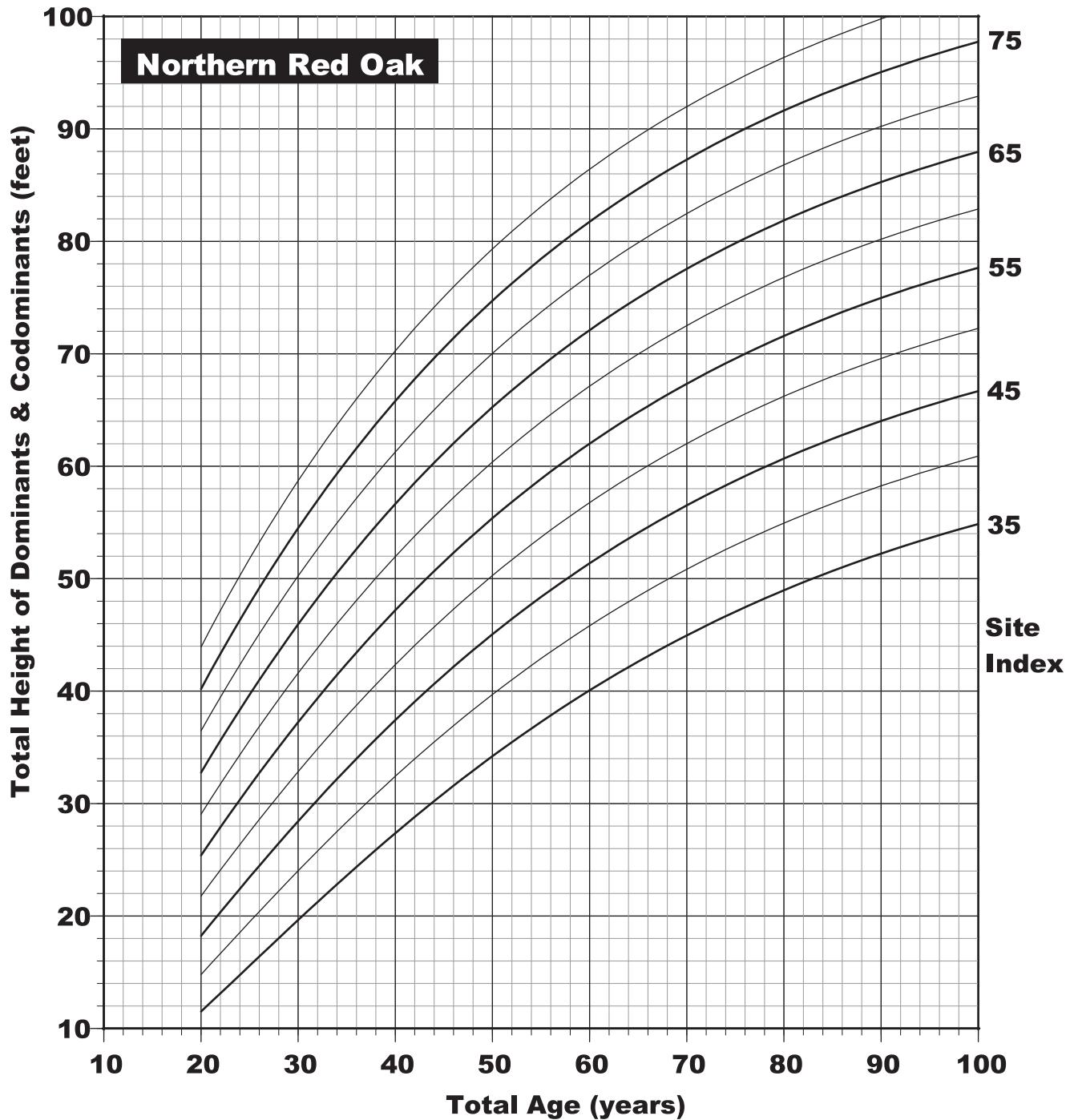


Figure 48. Northern red oak (Carmean 1978)  
 Northern Wisconsin and Upper Michigan  
 37 plots having 136 dominant and codominant trees  
 Stem analysis, nonlinear regression, polymorphic  
 Add 4 years to d.b.h. age to obtain total age (BH=0.0)

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	6.1785	0.6619	-0.0241	25.0185	-0.7400	0.99	1.32	4.9
SI	0.1692	1.2648	-0.0110	-3.4334	-0.3557	0.97	2.09	7.8

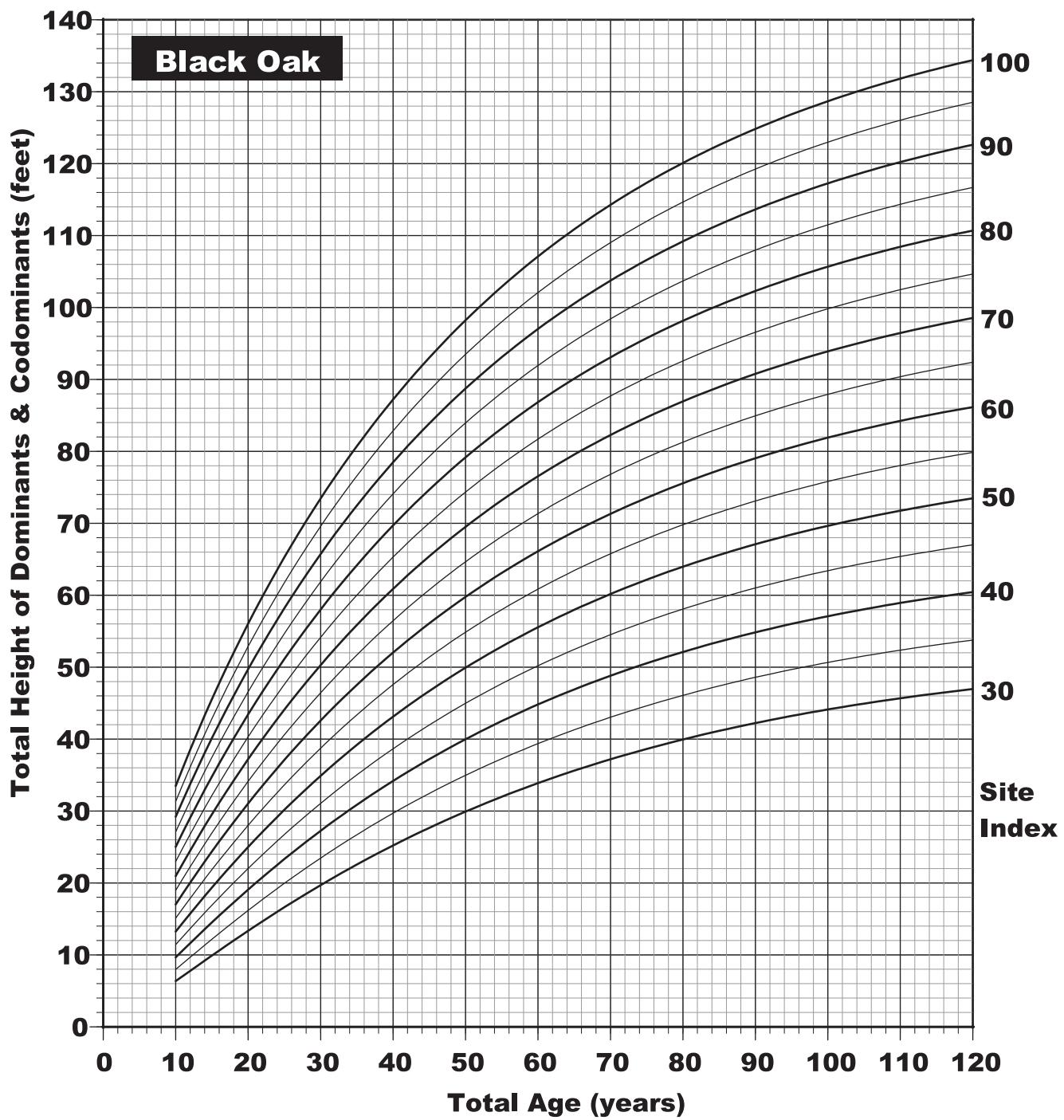


Figure 49. Black oak (Carmean 1971, 1972)  
 Unglaciated uplands of southeastern Ohio, eastern Kentucky,  
 Southern Indiana, and southern Missouri  
 120 plots having 300 dominant and codominant trees  
 Stem analysis, nonlinear regression, polymorphic  
 Add 3 years to d.b.h. age to obtain total age (BH=0.0)

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	2.9989	0.8435	-0.0200	3.4635	-0.3020	0.99	4.09	(x)
SI	0.2598	1.1721	-0.0107	-2.3272	-0.2825	0.99	4.42	(x)

(x) Value not calculated because model was fitted to original data rather than site index curves.

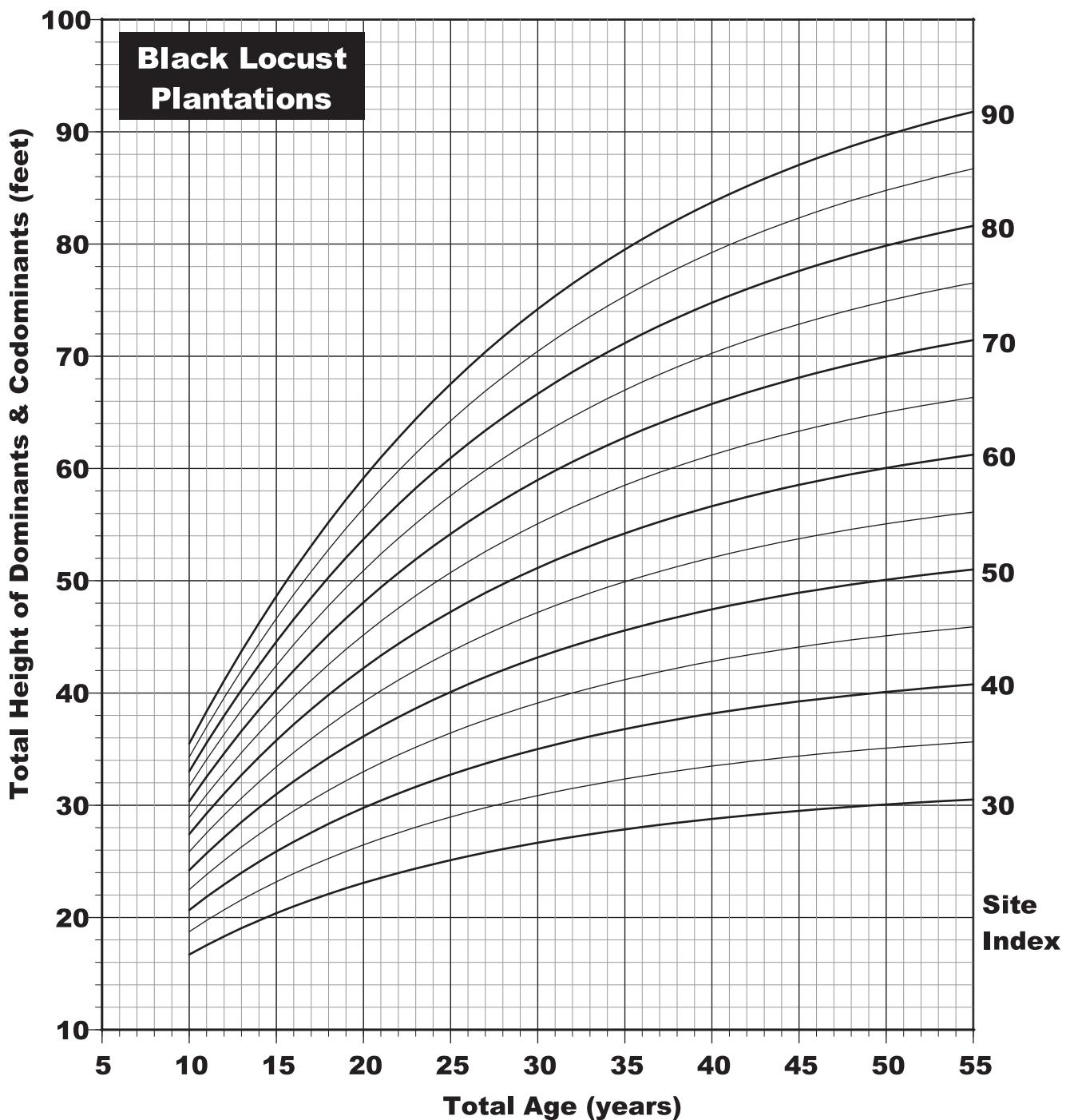


Figure 50. Black locust plantations (Kellogg 1939a)

Central States

170 plots, number of dominant trees not given

Total height and total age, anamorphic, equation not given

Convert d.b.h. age to total age by adding years according to site index

(BH=0.0): SI: 30-45 46-65 66+

Years: 3 2 1

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	0.9680	1.0301	-0.0468	0.1639	0.4127	0.99	1.42	6.0
SI	0.9411	0.9941	-0.0535	-0.4600	0.2242	0.99	1.85	8.7

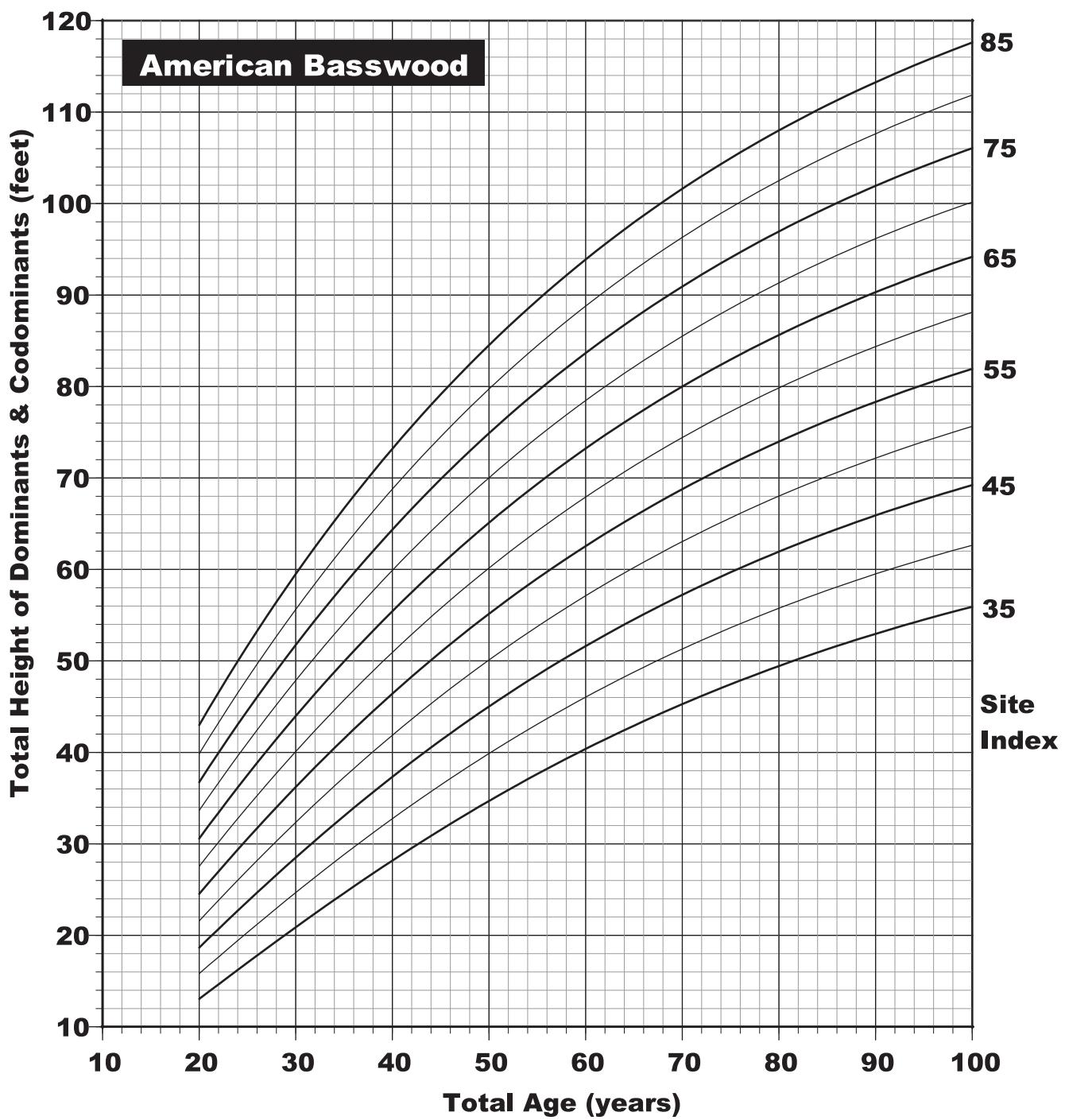


Figure 51. American basswood (Carmeau 1978)  
 Northern Wisconsin and Upper Michigan  
 122 plots having 483 dominant and codominant trees  
 Stem analysis, nonlinear regression, polymorphic  
 Add 4 years to d.b.h. age to obtain total age (BH=0.0)

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	4.7633	0.7576	-0.0194	6.5110	-0.4156	0.99	0.70	2.7
SI	0.1921	1.2010	-0.0100	-2.3009	-0.2331	0.99	1.24	4.5

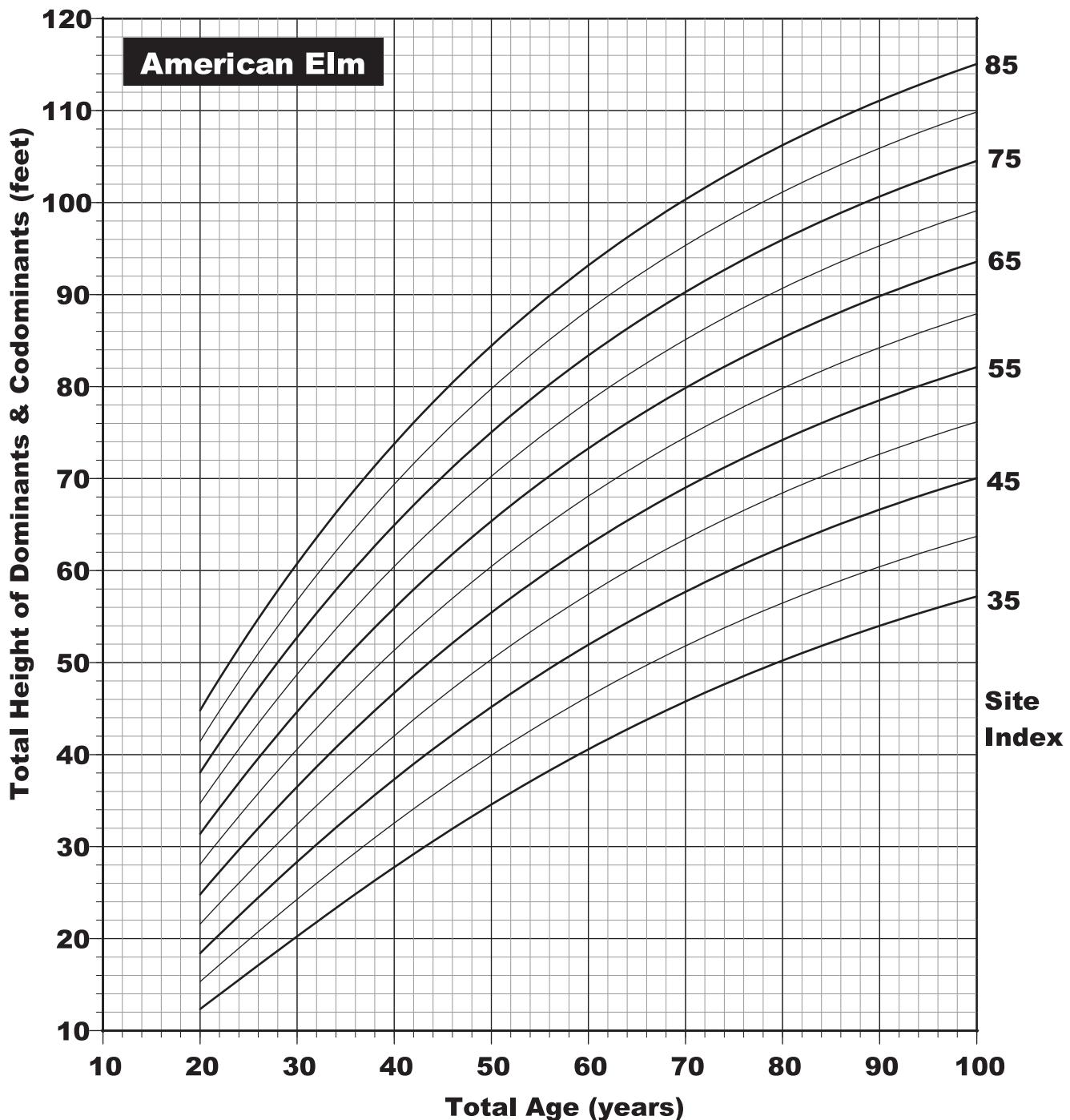


Figure 53. American elm (Carmean 1978)  
 Northern Wisconsin and Upper Michigan  
 109 plots having 416 dominant and codominant trees  
 Stem analysis, nonlinear regression, polymorphic  
 Add 4 years to d.b.h. age to obtain total age (BH=0.0)

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	6.4362	0.6827	-0.0194	10.9767	-0.5477	0.99	1.12	4.4
SI	0.1898	1.2186	-0.0110	-2.6865	-0.2717	0.99	1.99	6.6

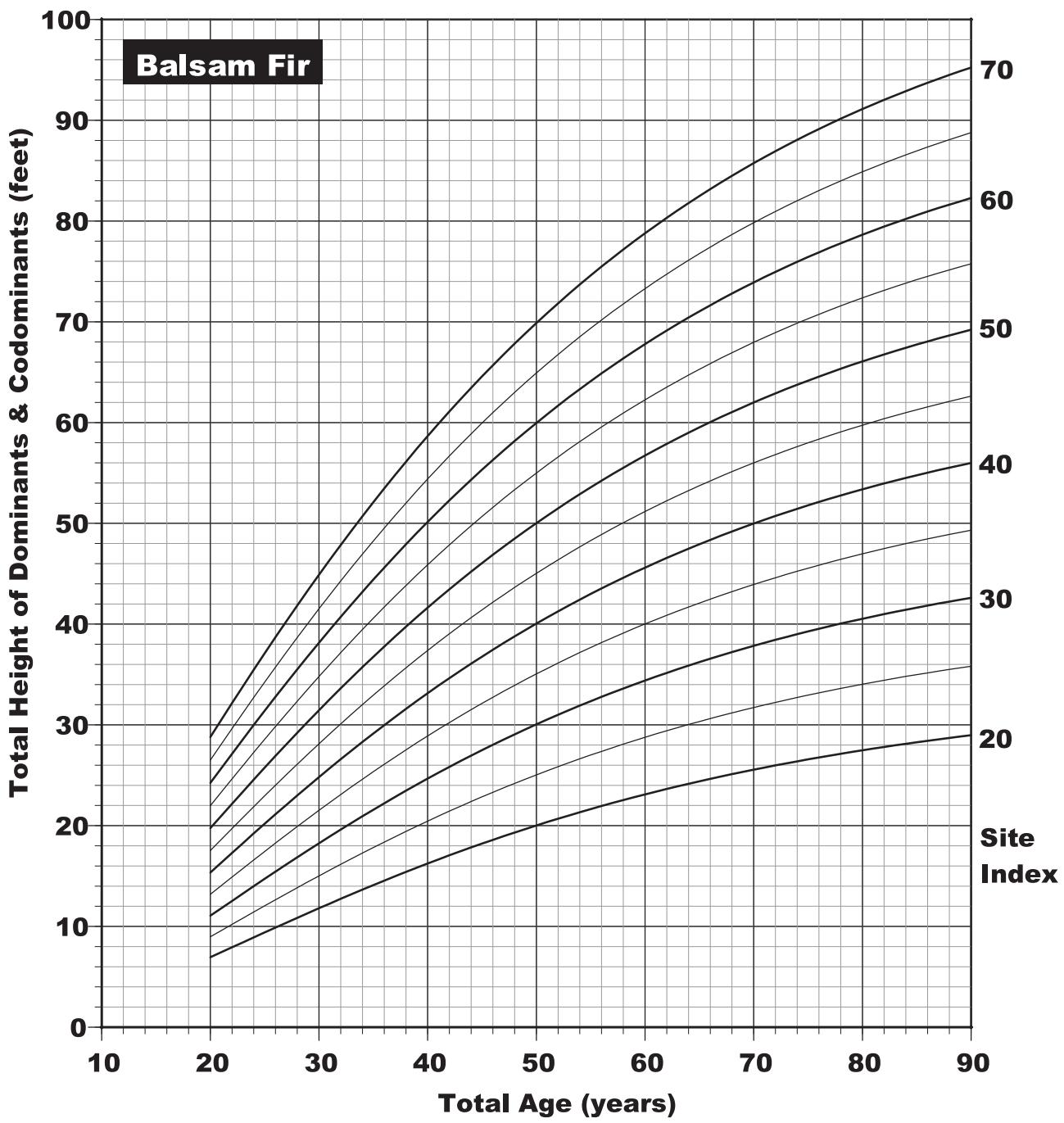


Figure 55. Balsam fir (Carmean and Hahn 1981, revision of Gevorkiantz 1956b)  
Lake States

Number of plots and number of dominant and codominant trees not given

Total height and total age, anamorphic, Gevorkiantz (1956b)  
equation not given

Convert d.b.h. age to total age by adding years according to site index  
(BH=0.0): SI: 20 30 40 50 60 70  
Years: 15 13 11 10 9 8

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	2.0770	0.9303	-0.0285	2.8937	-0.1414	0.97	0.95	1.7
SI	0.4100	1.0799	-0.0205	-2.1577	-0.1295	0.98	1.07	2.5

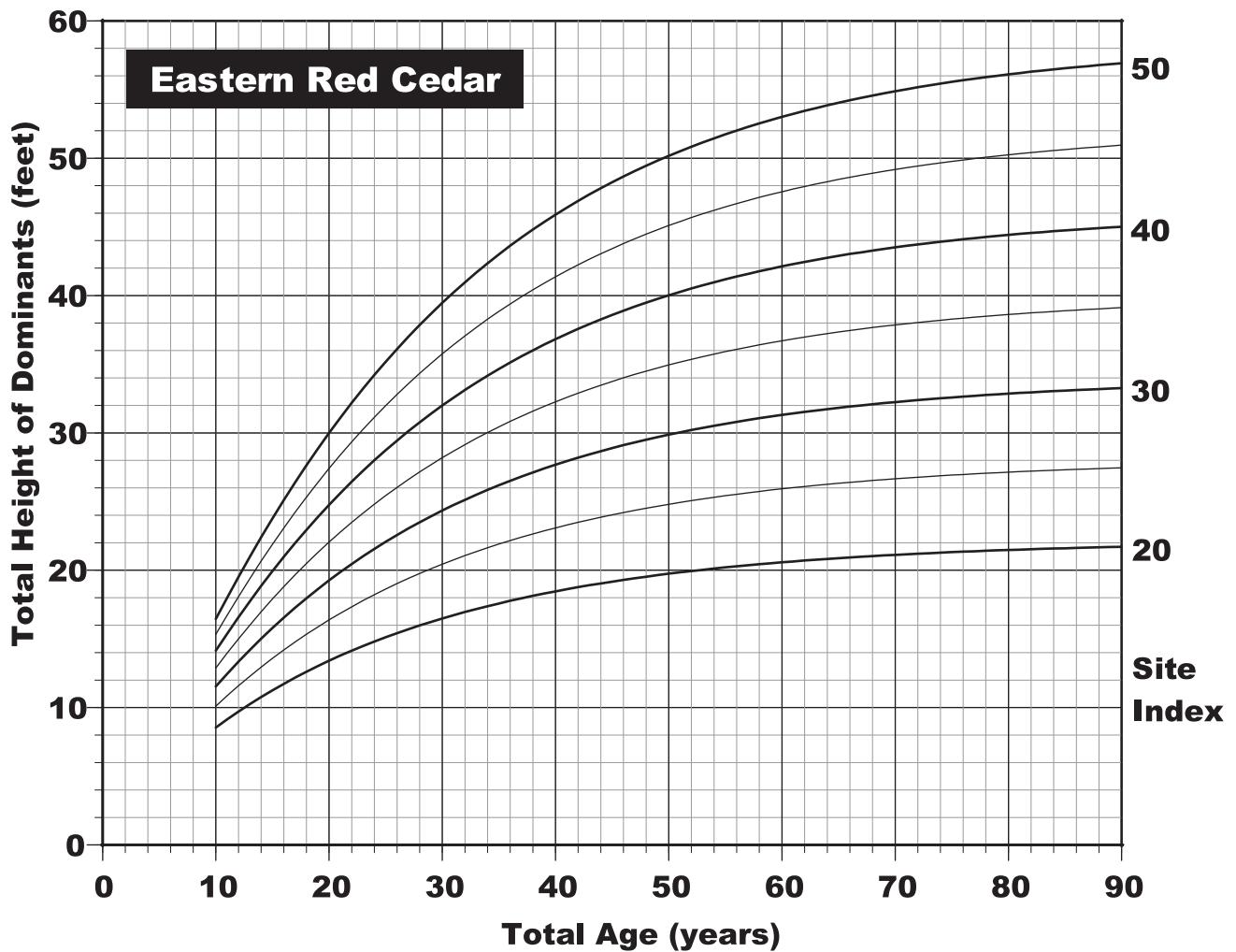


Figure 58. Eastern red cedar (Hampt 1965)

Tennessee Valley

Based on 271 observations

Total height and age of dominants, anamorphic, equation not given

Convert d.b.h. age to total age by adding years according to site index

(BH=0.0): SI: 20 30 40 50 60

Years: 14 12 11 10 9

	$b_1$	$b_2$	$b_3$	$b_4$	$b_5$	$R^2$	SE	Maximum difference
H	0.9276	1.0591	-0.0424	0.3529	0.3114	0.99	1.10	4.1
SI	0.8965	0.9895	-0.0397	-1.0981	-0.0242	0.99	1.41	7.0

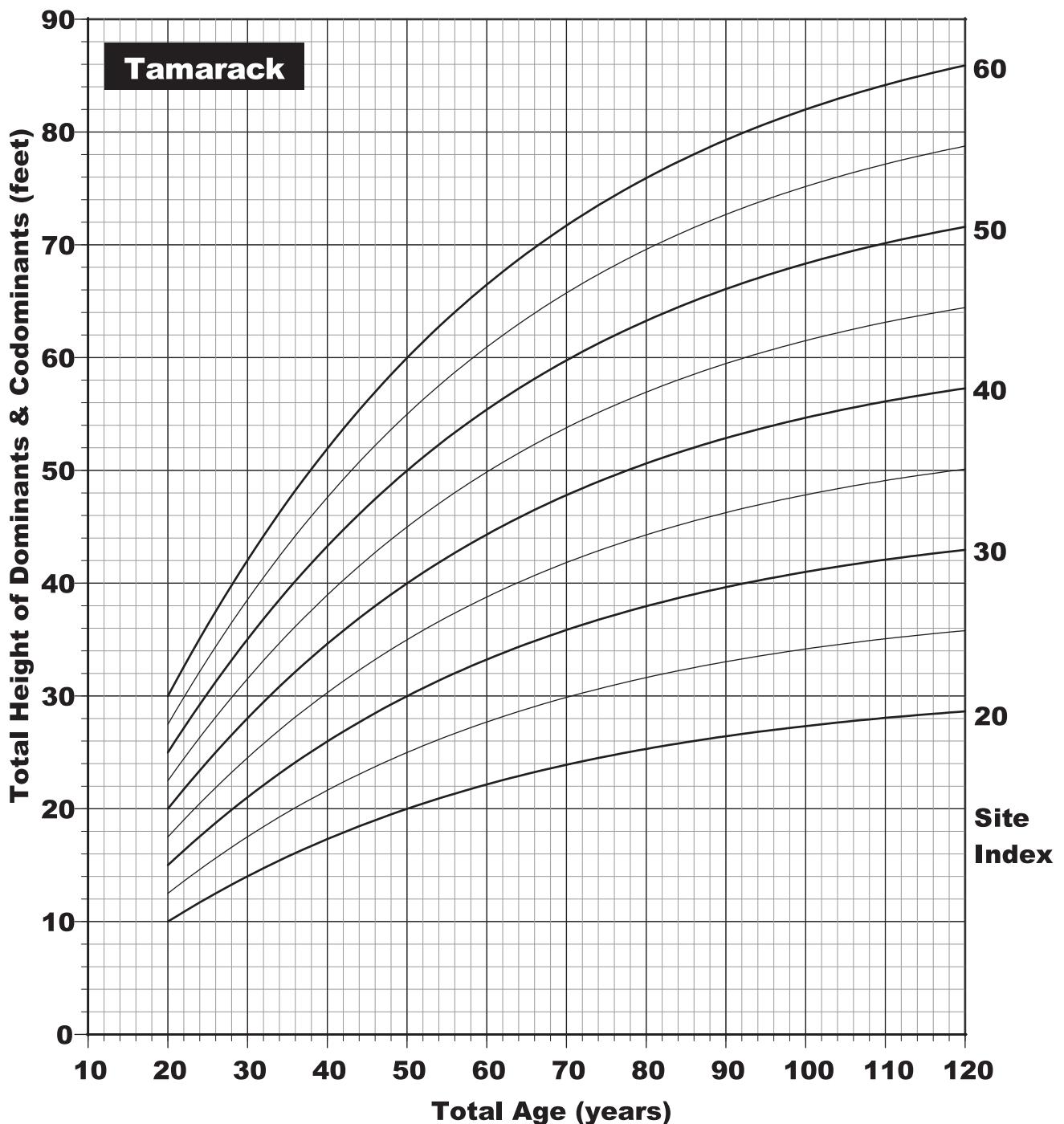


Figure 60. Tamarack (Gevorkiantz 1957d)

Minnesota

Number of plots and number of dominant and codominant trees not given

Convert d.b.h. age to total age by adding years according to site index

(BH=0.0): SI: 20 30 40 50-90

Years: 12 10 7 5

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	1.5470	1.0000	-0.0225	1.1129	0.0000	0.99	0.52	1.4
SI	0.6464	1.0000	-0.0225	-1.1129	0.0000	0.99	0.52	1.4

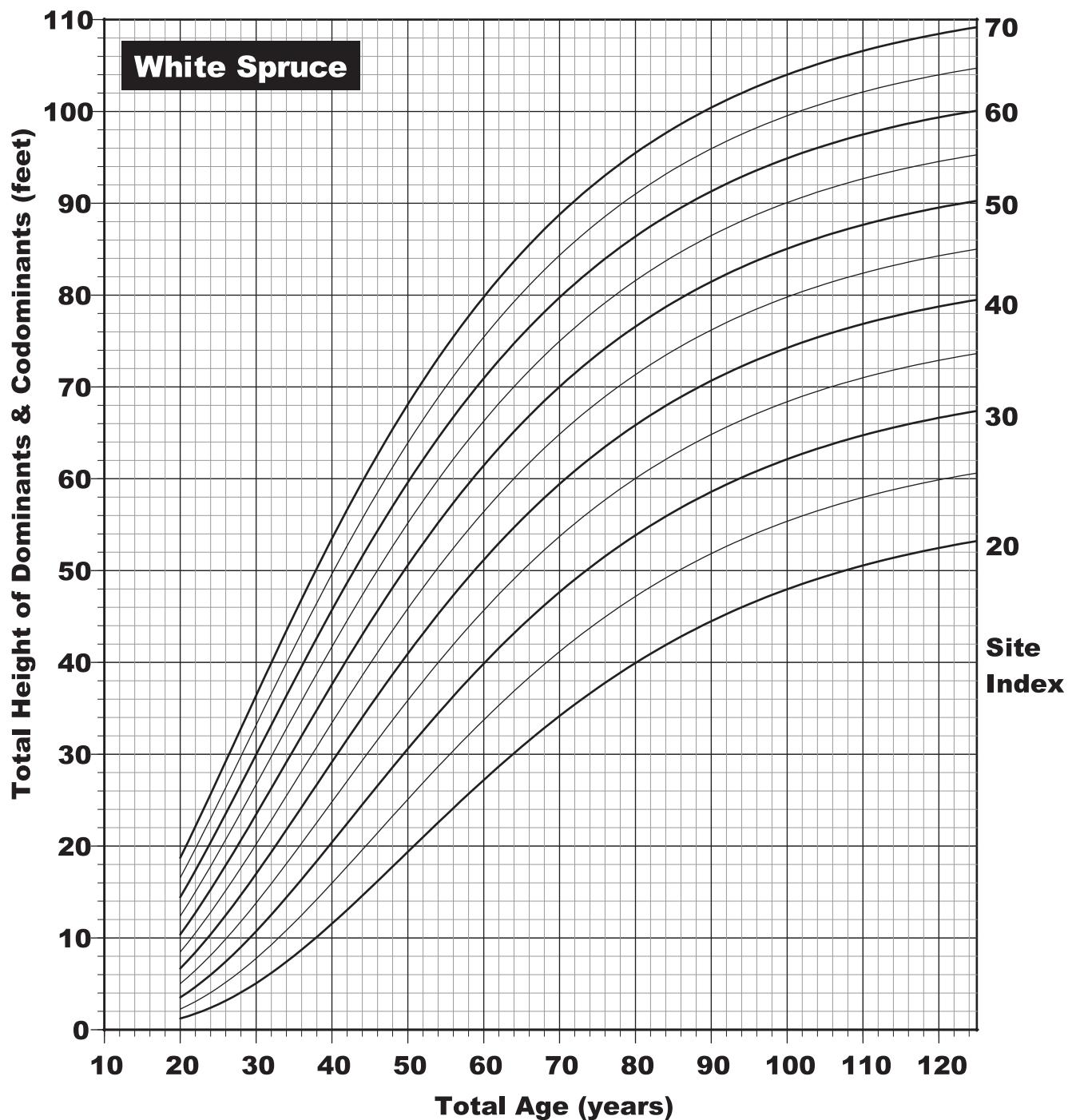


Figure 67. White spruce (Carmean and Hahn 1981, revision of Gevorkiantz 1957g)  
Minnesota

Number of plots and number of dominant and codominant trees not given  
Total height and d.b.h. age, anamorphic, Gevorkiantz (1957g) equation not given  
Convert d.b.h. age to total age by adding years according to site index (BH=0.0):

SI:	20	30	40	50	60	70
Years:	15	13	11	10	9	8

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	11.3079	0.5419	-0.0345	34.1568	-0.6078	0.99	2.18	6.4
SI	0.0380	1.5142	-0.0124	-6.4840	-0.3550	0.99	2.29	6.4

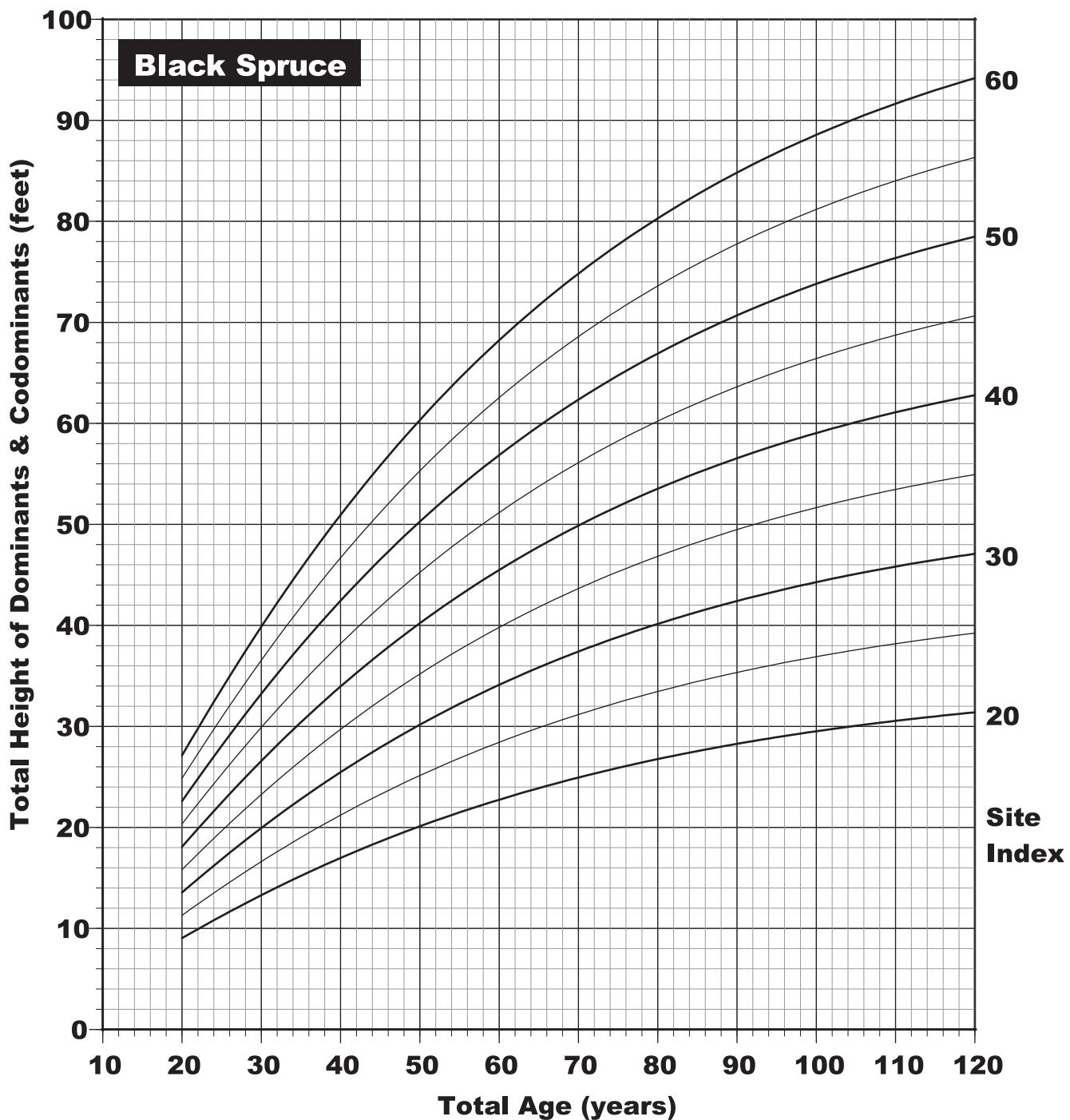


Figure 70. Black spruce (Gevorkiantz 1957a, derived from Fox and Kruse 1939)  
Northeastern Minnesota-Superior National Forest  
Number of plots and number of dominant and codominant trees not given  
Total height and total age, anamorphic, equation not given  
Convert d.b.h. age to total age by adding years according to site index

(BH=0.0): SI: 20 30 40 50 60 70 80 90  
Years: 15 13 11 10 9 8 7 6

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	1.7620	1.0000	-0.0201	1.2307	0.0000	0.99	0.72	1.9
SI	0.5675	1.0000	-0.0201	-1.2307	0.0000	0.99	0.72	1.9

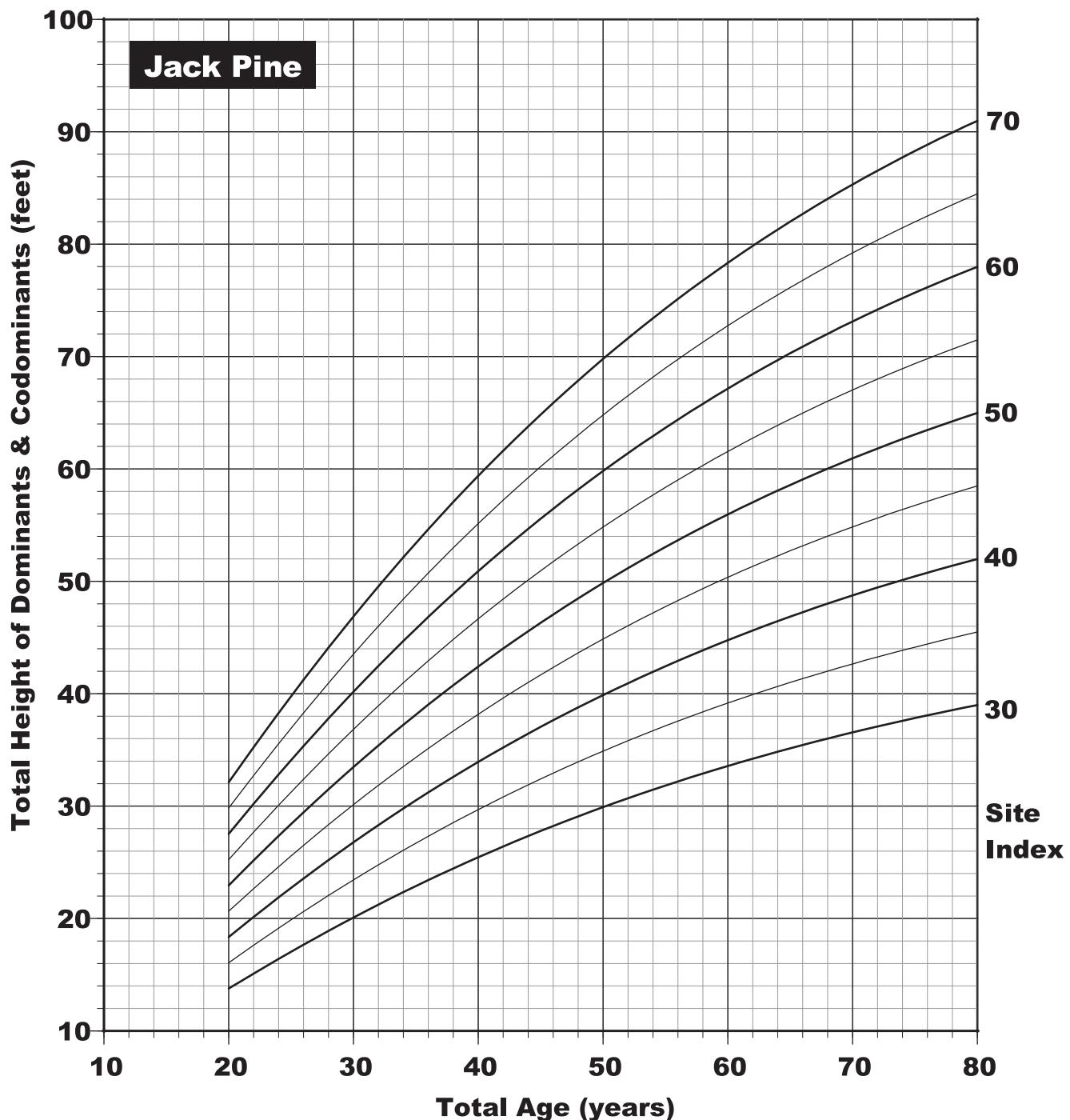


Figure 74. Jack pine (Gevorkianz 1956c, derived from Wackerman *et al.* 1929 and from Eyre and LeBarron 1944)

Lake States

Number of plots and number of dominant and codominant trees not given

Total height and total age, anamorphic equation not given

Convert d.b.h. age to total age by adding years according to site index

(BH=0.0): SI: 30 40 50 60 70 80 90

Years: 9 8 7 6 5 4 4

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	1.6330	1.0000	-0.0223	1.2419	0.0000	0.99	0.50	1.1
SI	0.6124	1.0000	-0.0223	-1.2419	0.0000	0.99	0.50	1.1

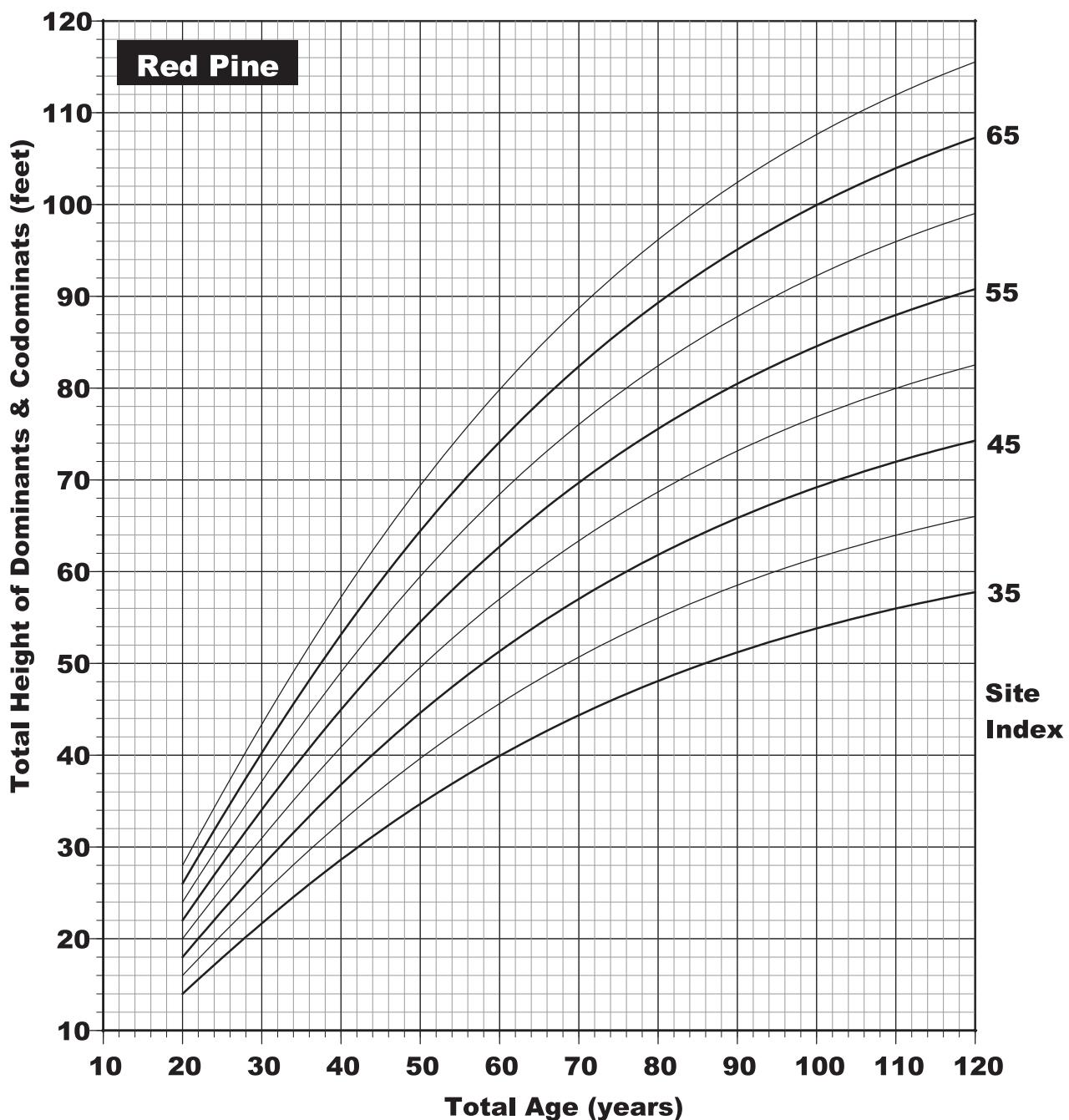


Figure 95. Red pine (Gevorkiantz 1957c, derived from Eyre and Zehngraff 1948, and Brown and Gevorkiantz 1934)

Minnesota

Number of plots, dominant and codominant trees not given

Total height and total age, anamorphic, equation not given

Convert d.b.h. age to total age by adding years according to site index (BH=0.0):

SI: 40 50 60 70+

Years: 8 6 5 4

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	1.8900	1.0000	-0.0198	1.3892	0.0000	0.99	.64	1.4
SI	0.5291	1.0000	-0.0198	-1.3892	0.0000	0.99	.64	1.4

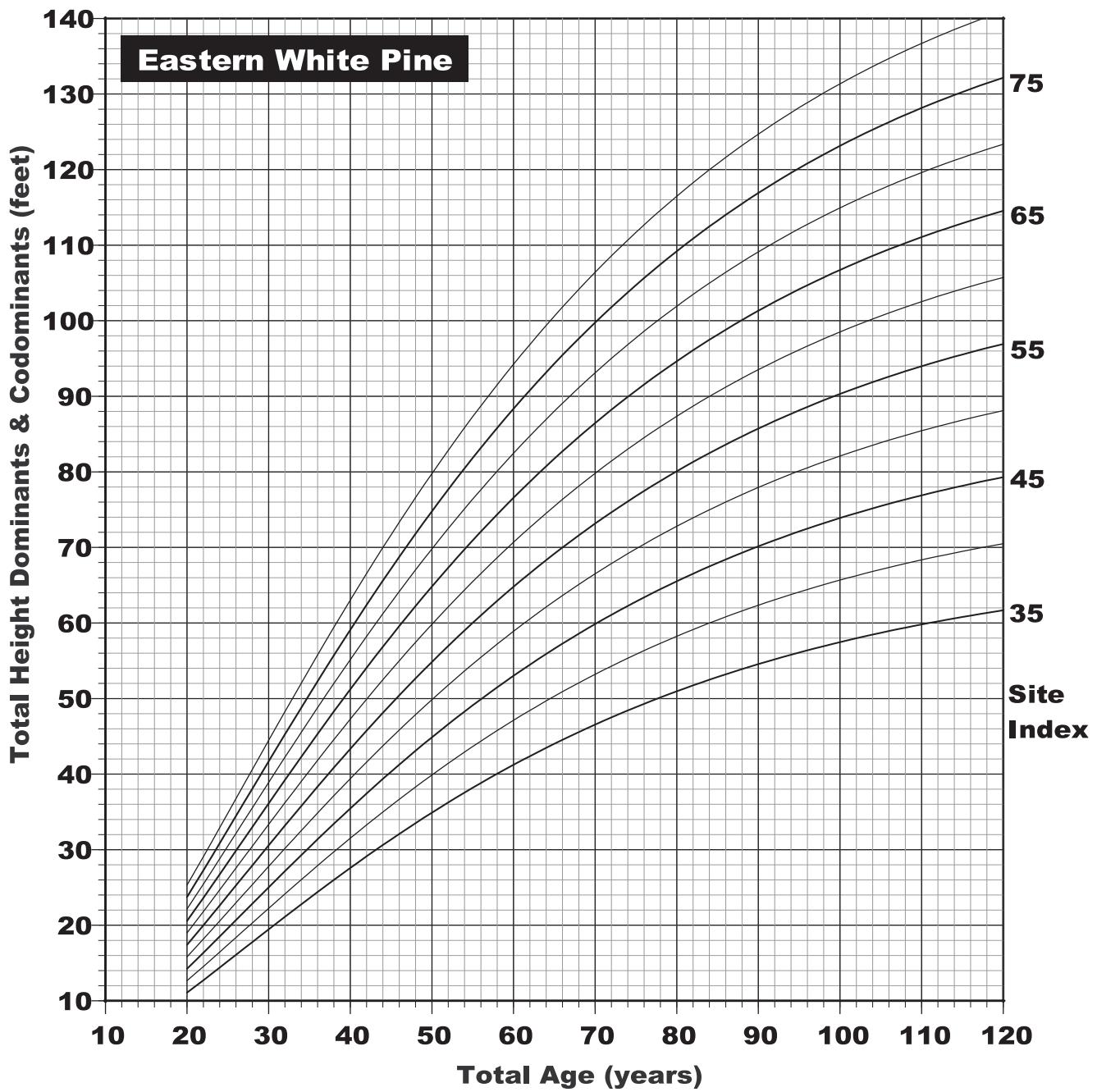


Figure 103. Eastern white pine (Gevorkiantz 1957f, derived from Gevorkiantz and Zon, 1930)

Northern Wisconsin

92 plots, number of dominant and codominant trees not given

Total height and total age, anamorphic, equation not given

Convert d.b.h. age to total age by adding years according to site index (BH= 0.0):

SI:	40	50	60	70
Years:	12	10	8	6

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	1.9660	1.0000	-0.0240	1.8942	0.0000	0.99	0.66	1.7
SI	0.5086	1.0000	-0.0240	-1.8942	0.0000	0.99	0.66	1.7

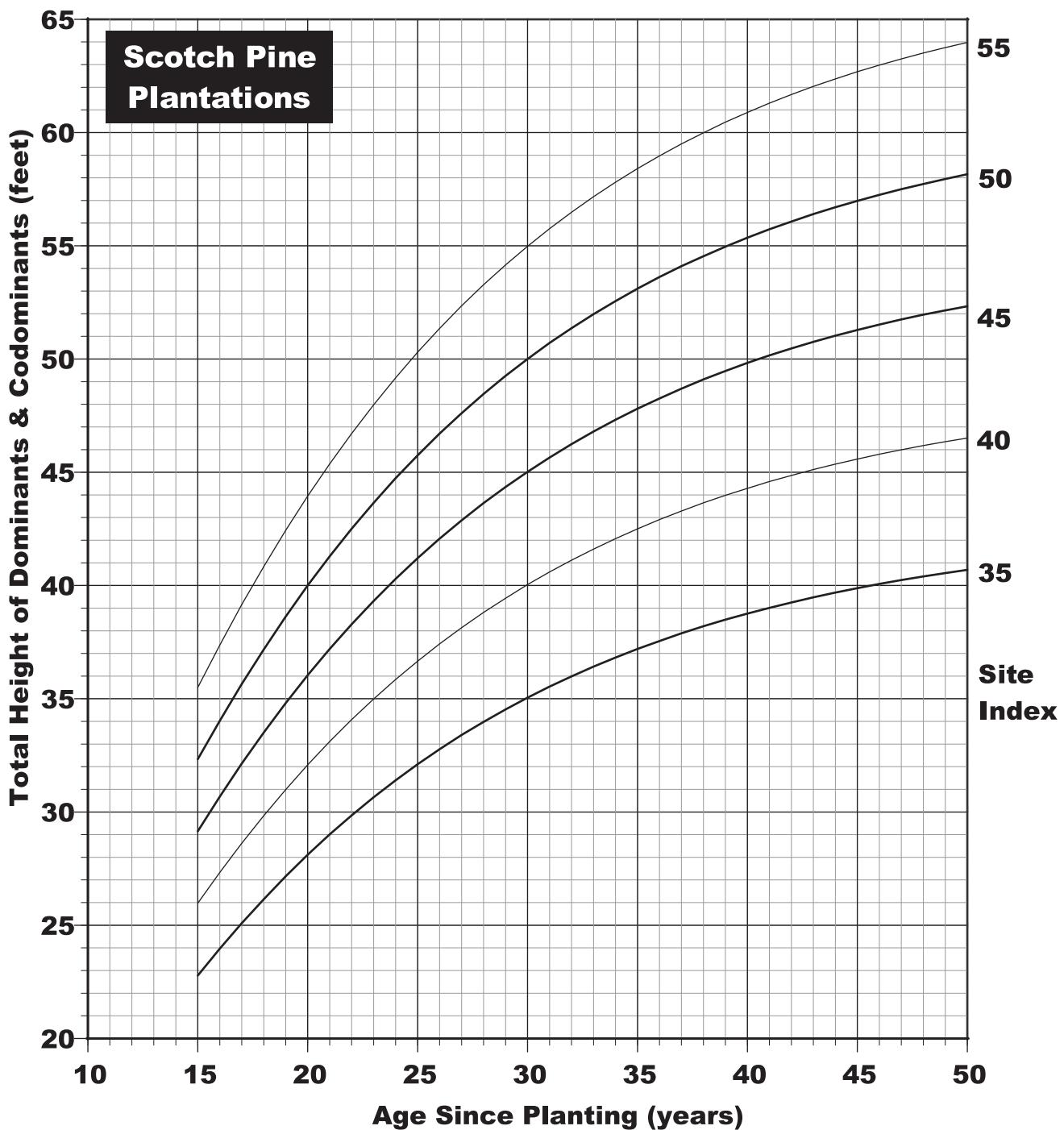


Figure 108. Scotch pine plantations (Hannah 1971)

Vermont

31 plots having 2 to 4 dominant trees on each plot

Total height and plantation age, anamorphic, logarithm equation

Site index is total height at 30 years plantation age

Add 5 years to d.b.h. age to obtain plantation age (BH=0.0)

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	1.2096	1.0027	-0.0671	1.2282	0.0335	0.99	1.50	1.1
SI	0.9618	0.9587	-0.0690	-0.7625	0.1719	0.99	1.49	1.2

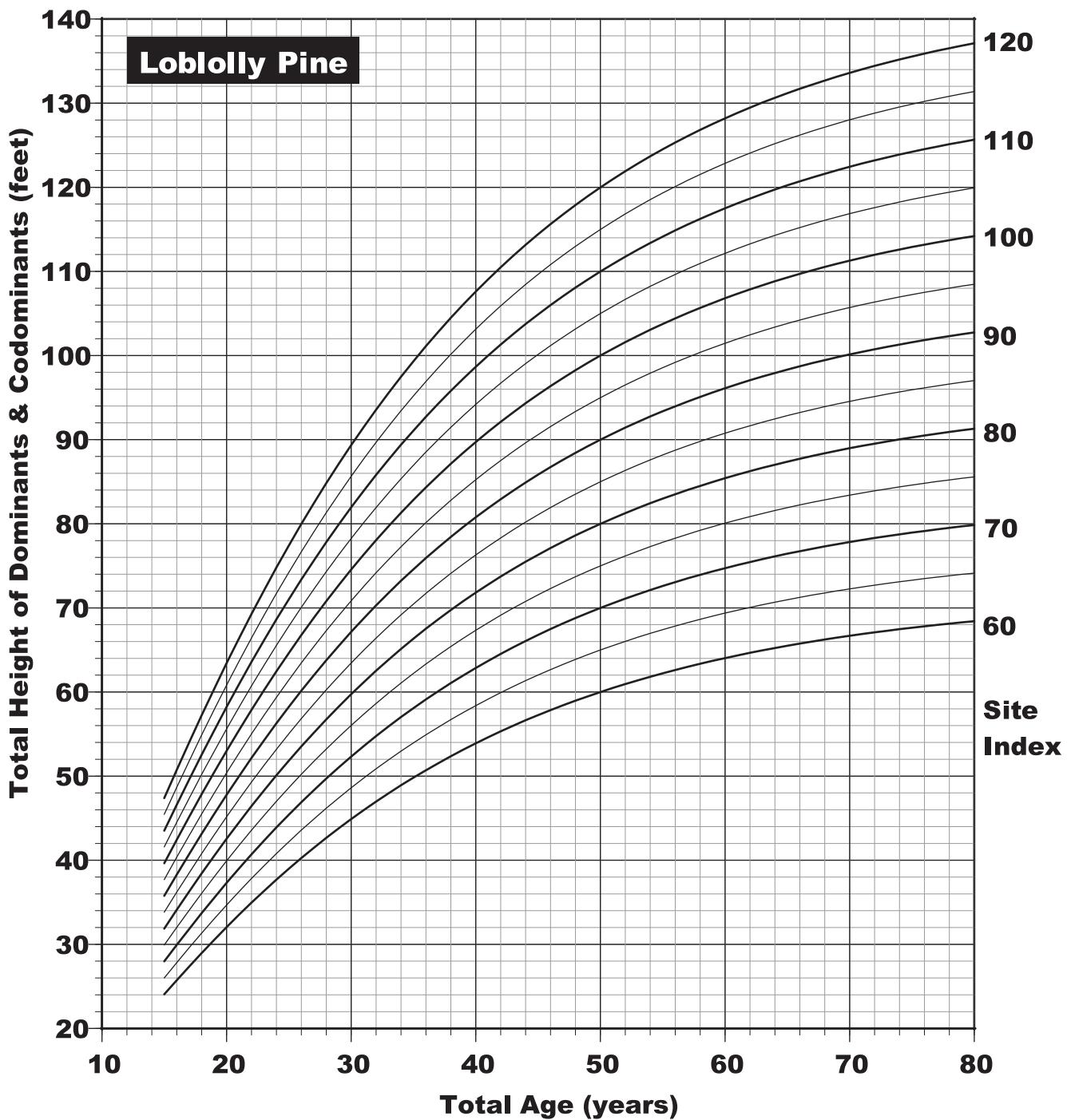


Figure 109. Loblolly pine (USDA 1929)

Southern States

146 plots, number of dominants not given

Total height and total age, anamorphic, equation not given

Convert d.b.h. age to total age by adding years according to site index

(BH=0.0): SI                  60-75                  76+

Years:                  4                  3

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	1.1727	1.0042	-0.0439	1.3558	0.0240	0.99	0.50	1.7
SI	0.8765	0.9902	-0.0447	-1.2443	0.0502	0.99	0.60	2.1

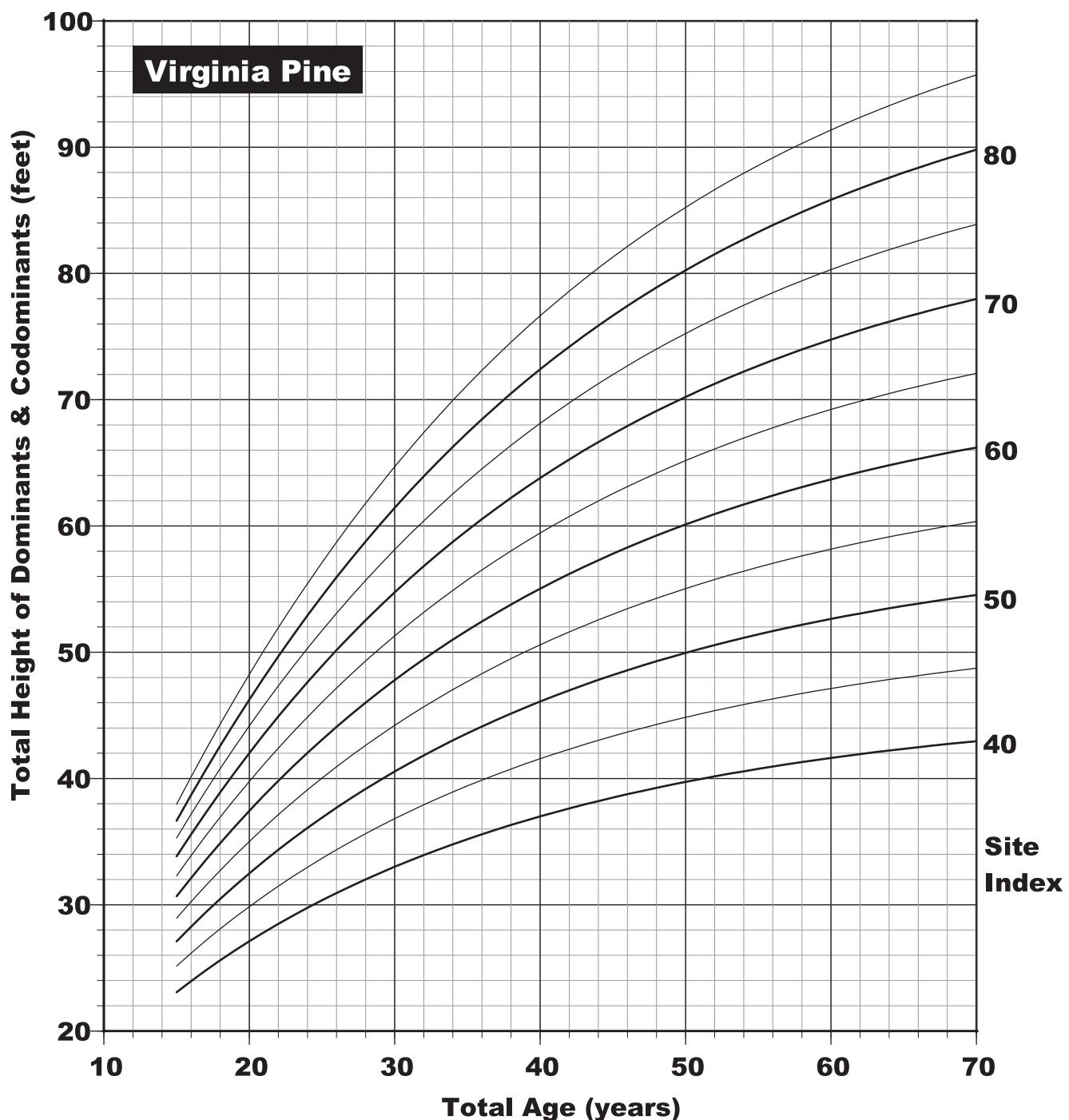


Figure 125. Virginia pine (Kulow, Sowers, and Heesch 1966)  
 West Virginia, Maryland, and Pennsylvania  
 922 dominant and codominant trees, number of plots not given  
 Total height and total age, anamorphic, logarithm equation  
 Convert d.b.h. age to total age by adding years according to site index

(BH=0.0): SI:      <45      45-75      >75

Years:      6      5      4

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	0.7716	1.1087	-0.0348	0.1099	0.5274	0.99	0.88	3.1
SI	1.0955	0.9455	-0.0527	-0.3886	0.3628	0.99	1.25	4.3

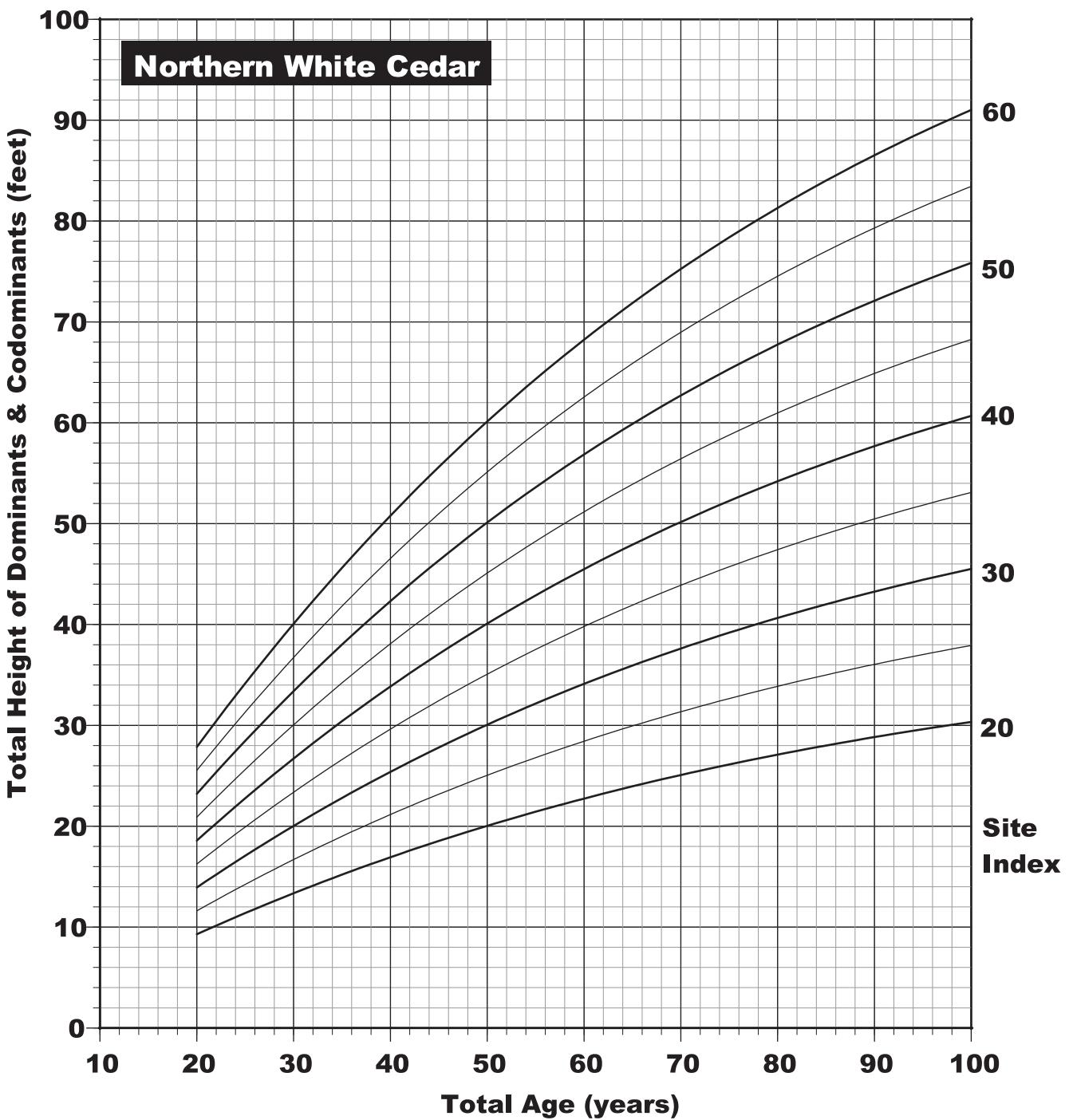


Figure 126. Northern white cedar (Gevorkian 1957e)

Lake States

Number of plots and number of dominant and codominant trees not given

Total height and total age, anamorphic, equation not given

Convert d.b.h. age to total age by adding years according to site index

(BH=0.0): SI:      20    30    40    50    60

Years:      20    15    15    10    10

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	1.9730	1.0000	-0.0154	1.0895	0.0000	0.99	0.66	1.7
SI	0.5068	1.0000	-0.0154	-1.0895	0.0000	0.99	0.66	1.7

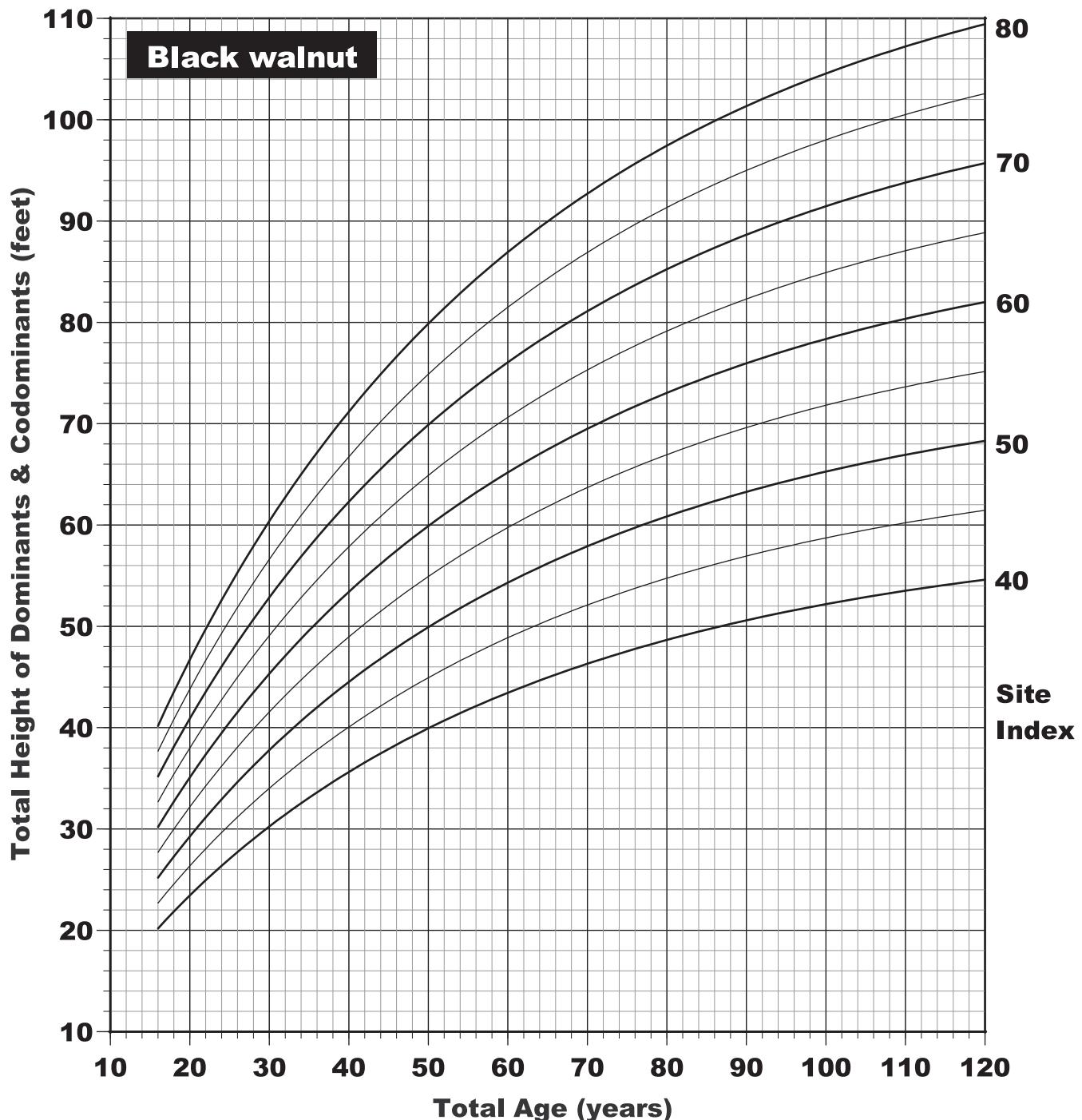


Figure Plains 1 - Black walnut (Geyer, W.A. and Lynch, K.D., 1987)

Eastern Kansas

General equation based on 82 dominant and codominant trees,  
number of plots not given

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	1.4777	1.0039	-0.0183	0.7667	0.00961			Data not available.
SI	0.6787	0.9963	-0.0186	-0.7790	0.00787			

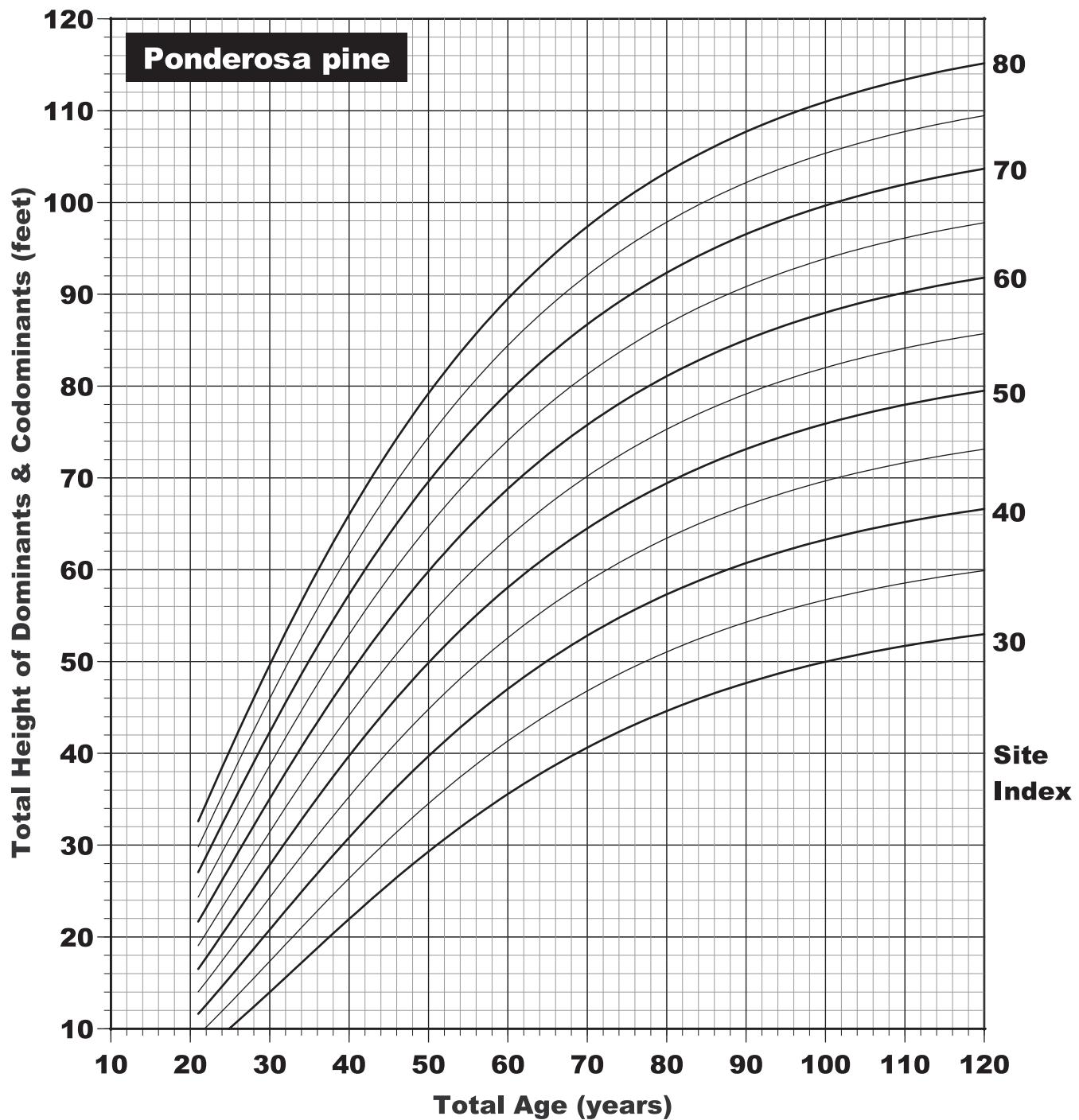


Figure Plains 2 - Ponderosa pine  
Total number of plots and dominant and codominant trees unknown

	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	R <sup>2</sup>	SE	Maximum difference
H	4.1615	0.7671	-0.0316	14.0044	-0.4681	Data not available.		
SI	0.1251	1.2954	-0.0116	-3.6576	-0.3014			

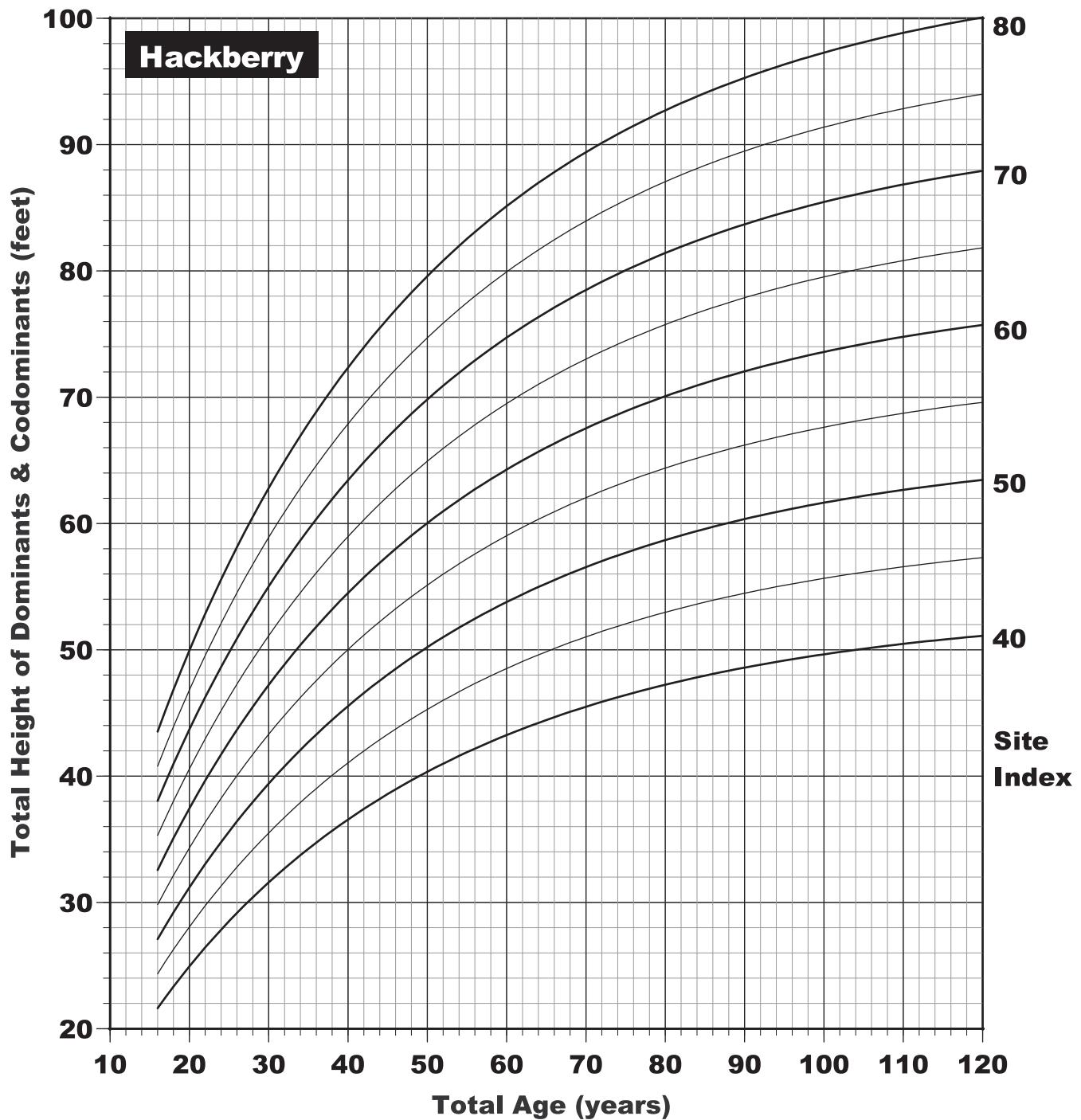


Figure Plains 3 -Hackberry (Lynch, K.D. and Geyer, W.A.)

Kansas

General equation based on 130 dominant and codominant trees,  
number of plots not given

	$b_1$	$b_2$	$b_3$	$b_4$	$b_5$	$R^2$	SE	Maximum difference
H	1.5077	0.9672	-0.0243	0.9498	-0.0470			Data not available.
SI	0.6583	1.0283	-0.0219	-0.8640	-0.0354			

