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# MR230: Weight Tables for Tree and Shrub Species in Maine

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John H. Ribe

Kevin Wainwright

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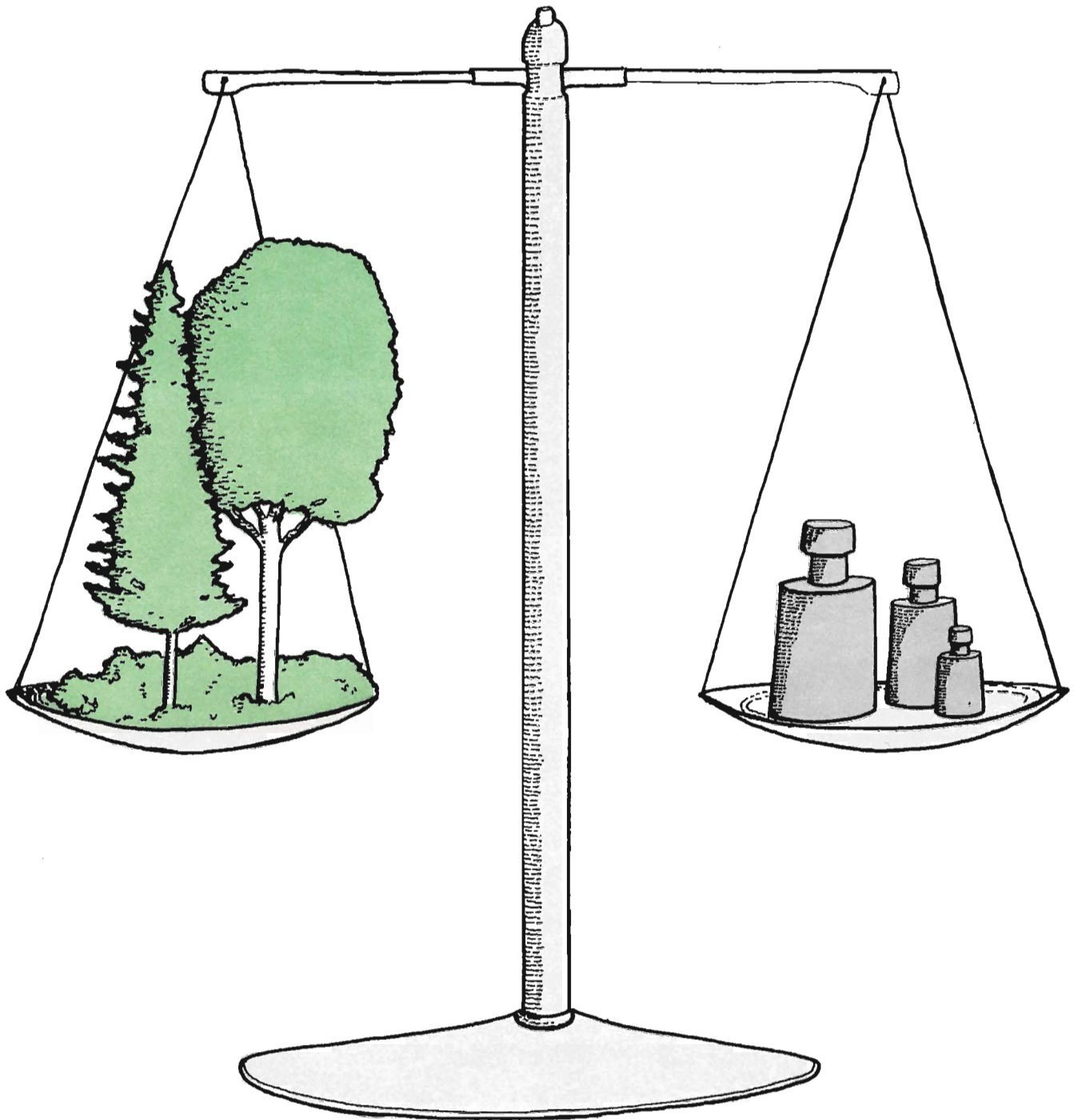
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# WEIGHT TABLES FOR TREE AND SHRUB SPECIES IN MAINE

Harold E. Young, John H. Ribe and Kevin Wainwright



# WEIGHT TABLES FOR TREE AND SHRUB SPECIES IN MAINE

Harold E. Young, John H. Ribe and Kevin Wainwright

Life Sciences and Agriculture Experiment Station  
University of Maine at Orono

Miscellaneous Report 230

September 1980

## DEDICATION

This publication is dedicated to Dr. John G. Sinclair, who has devoted his career to the forest resources of Maine. This has manifested itself in leadership in sound forest management, developing the High Adventure program of the Boy Scouts of America in northern Maine, support of the activities of the School of Forest Resources of the University of Maine at Orono and for his enthusiasm for and support of research within the complete forest concept.

## ACKNOWLEDGMENTS

During the fifteen year period between 1963 and 1978 students enrolled in the School of Forest Resources of the University of Maine were employed to do the field and laboratory work that made these tables possible. The authors acknowledge their assistance in chronological order: Leigh Hoar, Calvin Gammon, Richard Dyer, Paul Hughes, Peter Hamilton, Tom Nicolleti, Donald Richards, Randal Gauvin, Thomas Charles, Donald Hoppe, John Bartlett, William Raymond, Lawrence Miller, Philip Emery, Richard Walker, Russell Dingle, Ronald Pelletier, and Richard Eskelund.

Robert Fiske of the James W. Sewall Company and Lyman Feero, formerly of that company, also assisted in the field work. Because of their prior experience with weight tables and biomass inventory and their interest, the James W. Sewall Company also provided computer time.

This work was supported through McIntire-Stennis funds made available by the Experiment Station.

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## WEIGHT TABLES FOR MAINE

Harold E. Young<sup>1</sup>, John H. Ribe<sup>2</sup> and Kevin Wainwright<sup>3</sup>

Some biomass data on the components of tree and shrub species were collected nearly every summer from 1963 through 1978 for the express purpose of relating fresh and dry weight to the commonly measured physical dimensions of height and diameter at breast height. Inasmuch as weight of all of the components is a considerable departure from volume of the bole several tabular formats were tried. In the first efforts (Young, Strand and Altenberger 1964; Dyer 1967) tables similar in appearance to regional volume tables were prepared for merchantable size trees of eight species. This was followed (Young and Carpenter 1967) by a downward extension for the same eight species using only height ranging from 1-35 feet. Ribe (1973) then prepared tables for the components of the aboveground portion of 12 hardwood species, mostly of the puckerbrush category for diameters ranging from 0.6-6.9" dbh (1.0-16.50 cm) in both English and Metric units.

The first opportunity to conduct a biomass inventory occurred in 1974 in conjunction with a volume inventory of the Public Lots in Maine (Young, Hoar, Tryon 1976). In order to include all woody vegetation at least 1.0' (30 cm) in height it was decided to measure all trees 1.0" (2.5 cm) and larger on a variable point sample and to measure the smaller trees and shrubs on a small fixed plot. This would require three equations for each species as follows: (1) for trees and shrubs 1.0" (2.5 cm) dbh and larger, (2) for trees and shrubs 0.1-1.0" (0.3-2.4 cm) dbh and (3) for trees and shrubs 1-4' (30-120 cm) in height. To accomplish this required (a) data on more species and (b) additional data on small trees and shrubs for which information was already available on larger trees and shrubs. Preliminary equations for complete trees and shrubs were prepared and used in several large inventories (Young, Tryon, and Swenson 1978). In 1978 all of the biomass data in the files were compiled by components within species and three new sets of equations were prepared for each species relating fresh and dry weight by component, aboveground portion and the complete tree to diameter at breast height, and to height for the small saplings. These equations are presented in tabular form extending over the range of the field data in both English and Metric units.

For trees 6.0" (15 cm) dbh and larger the upper diameter limit of the bole segment was 4.0" (10.0 cm). For smaller trees and shrubs the upper limit, where appropriate, was 1.0" (2.5 cm) or equal to the base diameter of the larger branches present. For all trees and shrubs 1.0" (2.5 cm) and larger the stump height was approximately 6.0" (15.0 cm) and for smaller trees and shrubs the aboveground portion started at the root collar or approximately at ground surface.

For regression equations with a constant the best "fit" is about the mean with the greatest variation at the extremes of the data. With this in mind a comparison was made for each species of the upper end of the small seedling size class and the lower end of the large seedling size class equation. Without exception there was very good agreement. A similar comparison was made for each species of the upper end of the large sapling equation and the lower end of the larger tree and shrub equation. There was very good agreement except for Spruce, Balsam Fir, White Pine and White Birch. For these species the large seedling size equation values were larger than those for the equations of the larger trees. Because the larger tree equations are based on more data than the large seedling equations the latter are judged to be too large. This is not a serious matter as the 1.0" (2.5 cm) dbh class includes trees from 0.6-1.5" (1.1-3.7 cm) dbh so that the large seedling equation should only be used for trees and shrubs ranging from 0.1-0.5" (0.3-1.2 cm) dbh for which the large seedling equations for those four species will be quite satisfactory.

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Twenty years ago the pioneering biomass studies were faced with such problems as (1) the most economical and efficient way to remove a tree from the ground without losing a significant portion of the roots, (2) size classes for the major components of large trees, (3) number of subsamples for moisture content and leaf mass, and (4) the minimum number of trees within each size class to represent a single species. Once these problems were solved others appeared such as (1) living quarters for field crews while sampling various portions of the state, (2) arranging field work where large bulldozers were available at no charge, (3) limited time and distance from Orono to minimize moisture loss.

Because the basic aspects of biomass data collection were paramount, no serious regard was given to sampling on a regional or state basis. Comparisons have been made (Young 1976) with regression equations of the same species in other states with very similar results. It is, therefore, quite likely that these tables are representative of the state for the species included, but *this will not be firmly established until data representing regions within the state and the state as a whole are obtained and analyzed.*

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**Tables for Tree and Shrub Species  
0.1-0.9 in. or 0.3-2.4 cm dbh**

SPRUCE

WEIGHT: POUNDS  
NO. OF OBSERVATIONS: 111

DBH (IN.)	LEAVES		BRANCHES		FRESH/ DRY STEM		STUMP ROOT		ABOVE STUMP		COMPLETE TREE	
1	0.9	0.5	0.4	0.3	3.1	1.5	1.4	0.6	4.4	2.3	5.8	2.9
2	4.0	2.0	2.2	1.3	16.1	7.7	6.9	3.0	22.3	11	29.2	14
3	9.6	4.7	5.8	3.4	42.	20.	17.7	7.6	57.4	28.1	75.1	35.7
4	17.8	8.7	11.4	6.6	84.	40.	35.	14.8	113.2	55.3	148.2	70.1
5	29.	14.1	19.2	11.2	144.	68.	59.	25.	192.2	93.3	251.2	118.3
6	42.	21.	29.	17.1	222.	105.	90.	38.	293	143.1	383	181.1
7	59.	29.	42.	25.	321.	151.	129.	54.	422	205	551	259
8	78.	38.	58.	33.	441.	207.	176.	74.	577	273	753	352
9	101.	49.	76.	44.	584.	274.	231.	98.	761	367	992	465
10	125.	62.	98.	56.	751.	352.	296.	125.	975	470	1271	595
11	155.	76.	122.	71.	943.	442.	370.	156.	1220	589	1590	745
12	187.	91.	150.	86.	1161.	543.	453.	191.	1498	720	1951	911
13	222.	108.	181.	104.	1405.	656.	546.	230.	1908	868	2354	1098
14	260.	127.	215.	124.	1677.	783.	650.	273.	2152	1034	2802	1307
15	301.	147.	253.	146.	1977.	922.	764.	320.	2531	1215	3295	1535
16	345.	169.	294.	169.	2306.	1075.	838.	372.	2945	1413	3833	1785
17	393.	192.	339.	195.	2665.	1241.	1023.	429.	3397	1628	4420	2057
18	444.	217.	388.	223.	3054.	1422.	1169.	490.	3886	1852	5055	2352
19	499.	244.	440.	253.	3475.	1617.	1327.	555.	4414	2114	5741	2669
20	557.	272.	496.	285.	3927.	1826.	1496.	626.	4980	2383	6476	3009
21	618.	302.	556.	320.	4412.	2050.	1677.	701.	5586	2672	7263	3373
22	682.	334.	620.	357.	4930.	2290.	1869.	731.	6232	2981	8101	3762
23	751.	367.	689.	396.	5482.	2545.	2074.	866.	6922	3308	8996	4174
24	822.	402.	761.	437.	6068.	2815.	2291.	956.	7651	3654	9942	4610
25	897.	439.	837.	481.	6689.	3102.	2521.	1052.	8423	4022	10944	5074
26	975.	477.	918.	527.	7345.	3405.	2763.	1152.	9238	4409	12001	5561

REGRESSION COEFFICIENTS

EQUATION: LN(POUNDS) = B0 + B1(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.83359300	1.10651000	2.31194400	2.29815800	0.99333000	0.99205000
ABOVE STUMP	1.53710000	0.80790000	2.32960000	2.33160000	0.99000000	0.00000000
LEAVES	-0.08349473	-0.79805540	2.13818200	2.13806100	0.93397000	0.93104000
BRANCHES	-0.81643003	-1.35131800	2.34445200	2.33838500	0.94432000	0.94090000
STEM	1.12727100	0.39604330	2.38620800	2.37464500	0.99392000	0.99386000
STUMP-ROOT	0.30652590	-0.53008240	2.33801200	2.32630300	0.99116000	0.98860000

SPRUCE

WEIGHT: KILOGRAMS  
NO. OF OBSERVATIONS: 111

DBH (CM.)	LEAVES		BRANCHES		FRESH/ DRY STEM		STUMP ROOT		ABOVE STUMP		COMPLETE TREE	
	---	---	---	---	---	---	---	---	---	---	---	---
3	0.6 / 0.3	0.3 / 0.2	2.1 / 1.0	0.9 / 0.4	3 / 1.5	3.9 / 1.9						
6	2.6 / 1.3	1.5 / 0.9	10.9 / 5.2	4.6 / 2.0	15 / 7.4	19.6 / 9.4						
9	6.2 / 3.1	3.9 / 2.3	29. / 13.6	11.9 / 5.1	39.1 / 19	51 / 24.1						
12	11.5 / 5.6	7.6 / 4.4	57. / 27.	23. / 9.9	76.1 / 37	99.1 / 46.9						
15	18.6 / 9.1	12.9 / 7.5	97. / 46.	39. / 16.6	128.5 / 62.6	167.5 / 79.2						
18	27. / 13.4	19.8 / 11.4	150. / 70.	60. / 25.	196.8 / 94.8	256.8 / 119.8						
21	38. / 18.7	28. / 16.4	216. / 102.	86. / 36.	282 / 137.1	368 / 173.1						
24	51. / 25.	39. / 22.	298. / 140.	118. / 50.	388 / 187	506 / 237						
27	65. / 32.	51. / 30.	394. / 185.	155. / 65.	510 / 247	665 / 312						
30	82. / 40.	65. / 38.	507. / 237.	198. / 83.	654 / 315	852 / 398						
33	100. / 49.	82. / 47.	636. / 297.	248. / 104.	818 / 393	1066 / 497						
36	121. / 59.	100. / 58.	783. / 366.	303. / 127.	1004 / 483	1307 / 610						
39	143. / 70.	121. / 70.	948. / 442.	366. / 153.	1212 / 582	1578 / 735						
42	168. / 82.	144. / 83.	1131. / 527.	435. / 182.	1443 / 692	1878 / 874						
45	195. / 95.	169. / 97.	1334. / 621.	511. / 214.	1698 / 813	2209 / 1027						
48	224. / 109.	197. / 113.	1556. / 724.	594. / 249.	1977 / 946	2571 / 1195						
51	255. / 125.	227. / 131.	1798. / 836.	685. / 286.	2280 / 1092	2965 / 1378						
54	288. / 141.	260. / 149.	2061. / 959.	783. / 327.	2609 / 1248	3392 / 1575						
57	323. / 158.	295. / 169.	2345. / 1089.	888. / 371.	2963 / 1416	3851 / 1787						
60	360. / 176.	332. / 191.	2650. / 1230.	1001. / 418.	3342 / 1597	4343 / 2015						
63	400. / 196.	373. / 214.	2977. / 1381.	1122. / 468.	3750 / 1791	4872 / 2259						
66	442. / 216.	416. / 239.	3327. / 1542.	1251. / 522.	4185 / 1997	5436 / 2519						

REGRESSION COEFFICIENTS

EQUATION: LN(POUNDS) = B0 + B1(LN(INCHES))      KILOGRAMS = POUNDS \* 0.4536  
CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.83359300	1.10651000	2.31194400	2.29838800	0.99333000	0.99205000
ABOVE STUMP	1.53710000	0.80790000	2.32960000	2.33160000	0.99000000	0.00000000
LEAVES	-0.08349473	-0.79805540	2.13818200	2.13806100	0.93397000	0.93104000
BRANCHES	-0.81643000	-1.35131800	2.34445200	2.33838500	0.94432000	0.94090000
STEM	1.12727100	0.39604330	2.38620900	2.37464500	0.99392000	0.99386000
STUMP-ROOT	0.30652590	-0.53008240	2.33801200	2.32630300	0.99116000	0.98860000

BALSAM FIR

WEIGHT: POUNDS  
NO. OF OBSERVATIONS: 95

DBH (IN.)	FRESH/		DRY		STUMP ROOT	ABOVE STUMP		COMPLETE TREE
	LEAVES	BRANCHES	STEM	STEM		STUMP	TREE	
1	0.4 / 0.2	0.2 / 0.1	3.0 / 1.4	1.0 / 0.5	3.6 / 1.7	4.6 / 2.2		
2	2.2 / 1.1	1.1 / 0.6	15.7 / 7.5	5.5 / 2.5	19 / 9.2	24.5 / 11.7		
3	6.0 / 2.8	3.0 / 1.6	42. / 20.	14.9 / 6.7	51 / 24.4	65.9 / 31.1		
4	12.0 / 5.8	6.1 / 3.3	84. / 40.	30. / 13.5	102.1 / 49.1	132.1 / 62.6		
5	21. / 10.0	10.6 / 5.8	143. / 69.	52. / 23.	174.6 / 84.8	226.6 / 107.8		
6	32. / 15.6	16.7 / 9.0	222. / 107.	81. / 36.	270.7 / 131.6	351.7 / 167.6		
7	46. / 23.	25. / 13.2	322. / 155.	118. / 53.	393 / 191.2	511 / 244.2		
8	64. / 32.	34. / 19.4	445. / 213.	163. / 74.	543 / 263.4	706 / 337.4		
9	85. / 42.	46. / 25.	591. / 284.	218. / 98.	722 / 351	940 / 449		
10	110. / 54.	60. / 32.	762. / 366.	282. / 127.	932 / 452	1214 / 579		
11	138. / 69.	76. / 40.	958. / 460.	356. / 161.	1172 / 569	1528 / 730		
12	170. / 85.	95. / 50.	1182. / 569.	440. / 199.	1447 / 703	1887 / 902		
13	207. / 104.	116. / 61.	1434. / 683.	535. / 242.	1757 / 853	2292 / 1095		
14	247. / 124.	139. / 73.	1714. / 823.	641. / 291.	2100 / 1020	2741 / 1311		
15	292. / 147.	166. / 86.	2025. / 972.	759. / 344.	2483 / 1205	3242 / 1549		
16	342. / 172.	195. / 101.	2365. / 1136.	889. / 403.	2902 / 1409	3791 / 1812		
17	396. / 200.	227. / 117.	2738. / 1315.	1031. / 468.	3361 / 1632	4392 / 2100		
18	454. / 230.	261. / 135.	3142. / 1509.	1185. / 538.	3857 / 1874	5042 / 2412		
19	518. / 263.	299. / 154.	3580. / 1719.	1353. / 614.	4397 / 2136	5750 / 2750		
20	586. / 298.	340. / 175.	4051. / 1946.	1533. / 697.	4977 / 2419	6510 / 3116		

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{POUNDS}) = B0 + B1(LN(\text{INCHES}))$

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.55813500	0.81615350	2.41276200	2.41397800	0.99576000	0.99574000
ABOVE STUMP	1.31960000	0.59580000	2.40140000	2.40170000	0.99000000	0.99000000
LEAVES	-0.87035510	-1.64522300	2.41817400	2.45061400	0.94775000	0.94455000
BRANCHES	-1.66737100	-2.20596000	2.50255800	2.46049300	0.94919000	0.94882000
STEM	1.08394000	0.34870420	2.41101700	2.41155800	0.99498000	0.99496000
STUMP-ROOT	0.01510367	-0.79771200	2.44350600	2.45149000	0.99342000	0.99357000

BALSAM FIR

WEIGHT: KILOGRAMS  
NO. OF OBSERVATIONS: 95

DBH (CM.)	LEAVES		BRANCHES		FRESH/ DRY STEM		STUMP ROOT		ABOVE STUMP		COMPLETE TREE	
3	0.3 /	0.1	0.1 /	0.1	2.0 /	1.0	0.7 /	0.3	2.4 /	1.2	3.1 /	1.5
6	1.5 /	0.7	0.7 /	0.4	10.7 /	5.1	3.8 /	1.7	12.9 /	6.2	16.7 /	7.9
9	4.0 /	1.9	2.0 /	1.1	28. /	13.6	10.1 /	4.5	34 /	16.6	44.1 /	21.1
12	8.1 /	3.9	4.2 /	2.3	57. /	27.	20. /	9.2	69.3 /	33.2	89.3 /	42.4
15	13.9 /	6.8	7.3 /	3.9	97. /	47.	35. /	15.9	118.2 /	57.7	153.2 /	73.6
18	22. /	10.6	11.5 /	6.2	151. /	72.	55. /	25.	184.5 /	88.8	239.5 /	113.8
21	31. /	15.5	16.9 /	9.0	218. /	105.	80. /	36.	265.9 /	129.5	345.9 /	165.5
24	43. /	21.	24. /	12.5	301. /	145.	111. /	50.	368 /	178.5	479 /	228.5
27	58. /	29.	32. /	16.8	400. /	192.	143. /	67.	490 /	237.8	638 /	304.8
30	74. /	37.	41. /	22.	516. /	248.	192. /	87.	631 /	307	823 /	394
33	94. /	47.	52. /	27.	649. /	312.	242. /	110.	795 /	386	1037 /	496
36	116. /	58.	65. /	34.	801. /	385.	300. /	136.	982 /	477	1282 /	613
39	140. /	71.	80. /	41.	972. /	467.	365. /	165.	1192 /	579	1557 /	744
42	168. /	85.	96. /	50.	1162. /	558.	437. /	198.	1426 /	693	1863 /	891
45	198. /	100.	114. /	59.	1372. /	659.	517. /	235.	1684 /	818	2201 /	1053
48	232. /	118.	134. /	69.	1603. /	770.	606. /	275.	1969 /	957	2575 /	1232
51	268. /	136.	156. /	80.	1855. /	891.	702. /	319.	2279 /	1107	2981 /	1426

REGRESSION COEFFICIENTS

EQUATION:

LN(POUNDS) = B0 + B1(LN(INCHES))

KILOGRAMS = POUNDS \* 0.4536  
CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.55813500	0.81615350	2.41276200	2.41397800	0.99576000	0.99574000
ABOVE STUMP	1.31960000	0.59530000	2.40140000	2.40170000	0.99000000	0.00000000
LEAVES	-0.87035510	-1.64523300	2.41817400	2.45061400	0.94775000	0.94455000
BRANCHES	-1.65737100	-2.20596000	2.50255800	2.46049300	0.94919000	0.94882000
STEM	1.03394000	0.34870420	2.41101700	2.41165800	0.99498000	0.99496000
STUMP-ROOT	0.01510367	-0.79771200	2.44350600	2.45149000	0.99342000	0.99357000

WHITE PINE

WEIGHT: POUNDS  
NO. OF OBSERVATIONS: 35

DBH (IN.)	LEAVES		BRANCHES		FRESH/ DRY STEM		STUMP ROOT		ABOVE STUMP		COMPLETE TREE	
	---	---	---	---	---	---	---	---	---	---	---	---
1	0.6 / 0.3	0.4 / 0.2	2.4 / 1.0	0.7 / 0.3	3.4 / 1.5	4.1 / 1.8						
2	2.2 / 1.0	2.3 / 1.0	14.0 / 5.6	4.2 / 1.6	18.5 / 7.6	22.7 / 9.2						
3	4.9 / 2.2	6.2 / 2.8	39. / 15.6	11.7 / 4.4	50.1 / 20.6	61.8 / 25						
4	8.6 / 3.9	12.8 / 5.7	81. / 33.	24. / 9.3	102.4 / 42.6	126.4 / 51.9						
5	13.3 / 6.0	22. / 10.0	144. / 57.	43. / 16.3	179.3 / 73	222.3 / 89.3						
6	19.1 / 8.6	35. / 15.7	229. / 91.	68. / 26.	283.1 / 115.3	351.1 / 141.3						
7	26. / 11.6	51. / 23.	338. / 135.	101. / 39.	415 / 169.6	516 / 208.6						
8	34. / 15.1	71. / 32.	475. / 190.	142. / 54.	590 / 237.1	722 / 291.1						
9	42. / 19.0	96. / 43.	641. / 257.	192. / 73.	779 / 319	971 / 392						
10	52. / 23.	124. / 56.	839. / 335.	251. / 96.	1015 / 414	1266 / 510						
11	63. / 28.	157. / 71.	1069. / 428.	320. / 122.	1289 / 527	1609 / 649						
12	74. / 33.	195. / 88.	1334. / 534.	400. / 152.	1603 / 655	2003 / 807						
13	87. / 39.	238. / 107.	1635. / 654.	490. / 186.	1960 / 800	2450 / 986						
14	101. / 45.	286. / 129.	1974. / 790.	592. / 225.	2361 / 964	2953 / 1189						
15	115. / 52.	340. / 153.	2353. / 942.	706. / 268.	2808 / 1147	3514 / 1415						
16	131. / 59.	399. / 180.	2773. / 1110.	832. / 316.	3303 / 1349	4135 / 1665						
17	147. / 66.	464. / 209.	3235. / 1295.	971. / 369.	3846 / 1570	4817 / 1939						
18	165. / 74.	534. / 241.	3742. / 1498.	1124. / 427.	4441 / 1813	5565 / 2240						
19	183. / 83.	611. / 275.	4293. / 1719.	1290. / 490.	5087 / 2077	6377 / 2567						
20	203. / 91.	694. / 313.	4892. / 1959.	1470. / 558.	5789 / 2363	7259 / 2921						
21	223. / 101.	783. / 353.	5539. / 2218.	1664. / 632.	6545 / 2672	8209 / 3304						
22	245. / 110.	879. / 396.	6235. / 2497.	1874. / 712.	7359 / 3003	9233 / 3715						
23	267. / 120.	982. / 443.	6981. / 2796.	2099. / 797.	8230 / 3359	10329 / 4156						
24	290. / 131.	1091. / 492.	7780. / 3116.	2339. / 888.	9161 / 3739	11500 / 4627						
25	314. / 142.	1208. / 545.	8631. / 3457.	2595. / 985.	10153 / 4144	12748 / 5129						
26	340. / 153.	1331. / 600.	9537. / 3820.	2868. / 1089.	11208 / 4573	14076 / 5662						

REGRESSION COEFFICIENTS

EQUATION: LN(POUNDS) = B0 + B1(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.46403900	0.57248650	2.47602200	2.46779800	0.99633000	0.99665000
ABOVE STUMP	1.28460000	0.40800000	2.45770000	2.44900000	0.99000000	0.96254000
LEAVES	-0.57221200	-1.37906100	1.96431900	1.96742600	0.96278000	0.95308000
BRANCHES	-0.89616770	-1.70111500	2.48306200	2.49576200	0.95282000	0.98829000
STEM	0.37291550	-0.04659053	2.54443200	2.54586400	0.98817000	0.98865000
STUMP-ROOT	-0.34040910	-1.30570100	2.54806900	2.54709700	0.98873000	0.98865000

WHITE PINE

WEIGHT: KILOGRAMS  
NO. OF OBSERVATIONS: 35

DBH (CM.)	LEAVES		BRANCHES		STEM		STUMP ROOT		ABOVE STUMP		COMPLETE TREE	
	FRESH	DRY	FRESH	DRY	FRESH	DRY	FRESH	DRY	FRESH	DRY	FRESH	DRY
3	0.4 / 0.2	0.3 / 0.1	1.7 / 0.7	0.5 / 0.2	2.4 / 1	2.9 / 1.2						
6	1.4 / 0.6	1.6 / 0.7	9.7 / 3.9	2.9 / 1.1	12.7 / 5.2	15.6 / 6.3						
9	3.1 / 1.4	4.3 / 1.9	27. / 10.8	8.1 / 3.1	34.4 / 14.1	42.5 / 17.2						
12	5.4 / 2.4	8.7 / 3.9	56. / 23.	16.9 / 6.4	70.1 / 29.3	87 / 35.7						
15	8.4 / 3.8	15.2 / 6.8	100. / 40.	30. / 11.3	123.6 / 50.6	153.6 / 61.9						
18	12.0 / 5.4	24. / 10.8	158. / 63.	47. / 18.0	194 / 79.2	241 / 97.2						
21	16.2 / 7.3	35. / 15.8	234. / 94.	70. / 27.	285.2 / 117.1	355.2 / 144.1						
24	21. / 9.5	49. / 22.	329. / 132.	99. / 37.	399 / 163.5	498 / 200.5						
27	27. / 12.0	66. / 29.	444. / 178.	133. / 51.	537 / 219	670 / 270						
30	33. / 14.7	85. / 38.	581. / 232.	174. / 66.	699 / 284.7	873 / 350.7						
33	39. / 17.7	108. / 49.	740. / 296.	222. / 84.	887 / 362.7	1109 / 446.7						
36	47. / 21.	134. / 60.	924. / 370.	277. / 105.	1105 / 451	1382 / 556						
39	55. / 25.	163. / 74.	1133. / 453.	340. / 129.	1351 / 552	1691 / 681						
42	63. / 29.	196. / 88.	1368. / 547.	411. / 156.	1627 / 664	2038 / 820						
45	73. / 33.	233. / 105.	1630. / 653.	490. / 186.	1936 / 791	2426 / 977						
48	82. / 37.	273. / 123.	1921. / 769.	577. / 219.	2276 / 929	2853 / 1148						
51	93. / 42.	318. / 143.	2241. / 897.	673. / 256.	2652 / 1082	3325 / 1338						
54	104. / 47.	366. / 165.	2592. / 1038.	779. / 296.	3062 / 1250	3841 / 1546						
57	115. / 52.	419. / 189.	2974. / 1191.	894. / 340.	3508 / 1432	4402 / 1772						
60	128. / 57.	476. / 215.	3389. / 1357.	1019. / 387.	3993 / 1629	5012 / 2016						
63	140. / 63.	537. / 242.	3837. / 1537.	1154. / 438.	4514 / 1842	5668 / 2280						
66	154. / 69.	603. / 272.	4319. / 1730.	1299. / 493.	5076 / 2071	6375 / 2564						

REGRESSION COEFFICIENTS

EQUATION:

LN(POUNDS) = B0 + B1(LN(INCHES))

KILOGRAMS = POUNDS \* 0.4536  
CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.46403900	0.57248650	2.47602200	2.46779800	0.99633000	0.99665000
ABOVE STUMP	1.28460000	0.40800000	2.45770000	2.44900000	0.99000000	0.00000000
LEAVES	-0.57221200	-1.37906100	1.96431900	1.96742600	0.96278000	0.96254000
BRANCHES	-0.89616770	-1.70111500	2.48306200	2.48576200	0.95282000	0.95308000
STEM	0.87291550	-0.04659058	2.54443200	2.54586400	0.98817000	0.98829000
STUMP-ROOT	-0.34040910	-1.30570100	2.54806800	2.54709700	0.98873000	0.98865000

RED PINE

WEIGHT: POUNDS  
NO. OF OBSERVATIONS: 14

DBH (IN.)	LEAVES		BRANCHES		FRESH/ DRY STEM		STUMP ROOT		ABOVE STUMP		COMPLETE TREE							
1	0.6	/	0.3	0.4	/	0.2	3.1	/	1.4	0.7	/	0.3	4.1	/	1.9	4.8	/	2.2
2	2.6	/	1.4	2.5	/	1.3	17.2	/	7.4	4.2	/	1.6	22.3	/	10.1	26.5	/	11.7
3	6.4	/	3.3	6.8	/	3.5	47.	/	20.	11.8	/	4.6	60.2	/	26.8	72.	/	31.4
4	12.1	/	6.1	14.1	/	7.1	95.	/	41.	25.	/	9.6	121.2	/	54.2	146.2	/	63.8
5	19.8	/	10.0	25.	/	12.4	166.	/	70.	44.	/	17.2	210.8	/	92.4	254.8	/	109.6
6	30.	/	14.8	39.	/	19.5	260.	/	109.	70.	/	28.	329.	/	143.3	399.	/	171.3
7	42.	/	21.	58.	/	29.	381.	/	159.	103.	/	41.	481.	/	209	584.	/	250
8	56.	/	28.	81.	/	40.	531.	/	221.	146.	/	58.	668.	/	289	814.	/	347
9	73.	/	36.	109.	/	54.	710.	/	295.	197.	/	79.	892.	/	385	1089.	/	464
10	92.	/	45.	142.	/	70.	922.	/	382.	258.	/	104.	1156.	/	497	1414.	/	601
11	114.	/	56.	181.	/	89.	1167.	/	482.	329.	/	133.	1462.	/	627	1791.	/	760
12	138.	/	67.	225.	/	111.	1448.	/	597.	411.	/	166.	1811.	/	775	2222.	/	941
13	165.	/	80.	276.	/	135.	1765.	/	726.	504.	/	205.	2206.	/	941	2710.	/	1146
14	194.	/	94.	332.	/	163.	2120.	/	870.	610.	/	248.	2646.	/	1127	3256.	/	1375
15	227.	/	109.	396.	/	193.	2515.	/	1030.	728.	/	297.	3138.	/	1332	3866.	/	1629
16	262.	/	126.	465.	/	227.	2951.	/	1207.	858.	/	351.	3678.	/	1560	4536.	/	1911
17	299.	/	144.	542.	/	264.	3429.	/	1400.	1002.	/	410.	4270.	/	1808	5272.	/	2218
18	340.	/	163.	626.	/	305.	3950.	/	1610.	1160.	/	476.	4916.	/	2078	6076.	/	2554
19	383.	/	183.	718.	/	349.	4516.	/	1838.	1332.	/	547.	5617.	/	2370	6949.	/	2917
20	429.	/	205.	817.	/	397.	5127.	/	2084.	1519.	/	625.	6373.	/	2636	7892.	/	3311

REGRESSION COEFFICIENTS

EQUATION: LN(POUNDS) = B0 + B1(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.55544900	0.83456220	2.48050400	2.41850000	0.99043000	0.99498000
ABOVE STUMP	1.37000000	0.71570000	2.47410000	2.38650000	0.99000000	0.00000000
LEAVES	-0.58718530	-1.21076500	2.21951500	2.18029000	0.90562000	0.89916000
BRANCHES	-0.84790330	-1.50861600	2.52142000	2.50108500	0.98248000	0.98637000
STEM	1.12624200	0.30788810	2.47555300	2.44812500	0.98071000	0.98277000
STUMP-ROOT	-0.33968520	-1.32671100	2.55882100	2.59193300	0.98573000	0.98556000



RED PINE

WEIGHT: KILOGRAMS  
NO. OF OBSERVATIONS: 14

DBH (CM.)	LEAVES		BRANCHES		FRESH/ DRY STEM		STUMP ROOT		ABOVE STUMP		COMPLETE TREE	
3	0.4 /	0.2	0.3 /	0.2	2.1 /	0.9	0.5 /	0.2	2.8 /	1.3	3.3 /	1.5
6	1.7 /	0.9	1.7 /	0.9	11.7 /	5.1	2.9 /	1.1	15.1 /	6.9	18 /	8
9	4.2 /	2.1	4.7 /	2.4	32. /	13.7	8.2 /	3.2	40.9 /	18.2	49.1 /	21.4
12	7.9 /	4.0	9.7 /	4.9	65. /	28.	17.2 /	6.7	82.6 /	36.9	99.8 /	43.6
15	13.0 /	6.5	17.1 /	8.5	114. /	42.	30. /	12.0	144.1 /	63	174.1 /	75
18	19.5 /	9.7	27. /	13.4	178. /	75.	48. /	19.3	224.5 /	98.1	272.5 /	117.4
21	27. /	13.5	40. /	19.8	261. /	109.	72. /	20.	328 /	142.3	400 /	171.3
24	37. /	18.1	56. /	28.	363. /	151.	101. /	41.	456 /	197.1	557 /	238.1
27	48. /	23.	75. /	37.	486. /	201.	137. /	55.	609 /	261	746 /	316
30	60. /	29.	98. /	48.	631. /	260.	179. /	72.	789 /	337	968 /	409
33	75. /	36.	125. /	61.	799. /	329.	228. /	93.	999 /	426	1227 /	519
36	91. /	44.	156. /	76.	992. /	407.	285. /	116.	1239 /	527	1524 /	643
39	108. /	52.	190. /	93.	1209. /	495.	350. /	143.	1507 /	640	1857 /	783
42	128. /	61.	229. /	112.	1452. /	593.	424. /	173.	1809 /	766	2233 /	939
45	149. /	71.	273. /	133.	1723. /	702.	505. /	207.	2145 /	906	2650 /	1113
48	172. /	82.	321. /	156.	2021. /	823.	596. /	245.	2514 /	1061	3110 /	1306
51	196. /	94.	374. /	182.	2348. /	954.	696. /	286.	2918 /	1230	3614 /	1516

REGRESSION COEFFICIENTS

EQUATION: LN(POUNDS) = B0 + B1(LN(INCHES))      KILOGRAMS = POUNDS \* 0.4536  
CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.55544900	0.83456220	2.48050400	2.41850000	0.99043000	0.99498000
ABOVE STUMP	1.37000000	0.71570000	2.47410000	2.38650000	0.99000000	0.00000000
LEAVES	-0.58718530	-1.21076500	2.21951500	2.18029000	0.90562000	0.89916000
BRANCHES	-0.84790330	-1.50861600	2.52142000	2.50108500	0.98248000	0.98637000
STEM	1.12624200	0.30788810	2.47555300	2.44812500	0.98071000	0.98277000
STUMP-ROOT	-0.33968520	-1.32671100	2.55882100	2.59193300	0.98573000	0.98556000

HEMLOCK

WEIGHT: POUNDS  
NO. OF OBSERVATIONS: 36

DBH (IN.)	FRESH/ DRY		STEM	STUMP ROOT	ABOVE STUMP		COMPLETE TREE
	LEAVES	BRANCHES					
1	1.1 / 0.5	0.3 / 0.2	2.7 / 1.3	0.8 / 0.4	4.1 / 2	4.9 / 2.4	
2	4.6 / 2.2	2.1 / 1.1	14.0 / 6.7	4.4 / 2.3	20.7 / 10	25.1 / 12.3	
3	10.4 / 5.0	6.2 / 3.3	36. / 17.5	12.1 / 6.2	52.6 / 25.8	64.7 / 32	
4	18.7 / 9.0	13.5 / 7.2	72. / 35.	25. / 12.6	104.2 / 51.2	129.2 / 63.8	
5	29. / 14.1	25. / 13.1	122. / 58.	43. / 22.	176 / 85.2	219 / 107.2	
6	43. / 20.	41. / 22.	188. / 90.	67. / 34.	272 / 132	339 / 166	
7	58. / 28.	62. / 33.	270. / 130.	99. / 50.	390 / 191	489 / 241	
8	76. / 37.	88. / 47.	371. / 178.	137. / 70.	535 / 262	672 / 332	
9	97. / 47.	121. / 64.	490. / 235.	184. / 94.	708 / 346	892 / 440	
10	120. / 58.	161. / 86.	628. / 302.	238. / 121.	909 / 446	1147 / 567	
11	146. / 70.	209. / 111.	787. / 378.	302. / 154.	1142 / 559	1444 / 713	
12	174. / 84.	264. / 140.	967. / 464.	374. / 190.	1405 / 688	1779 / 878	
13	205. / 98.	328. / 174.	1169. / 561.	456. / 232.	1702 / 833	2158 / 1065	
14	238. / 114.	401. / 213.	1393. / 669.	548. / 279.	2032 / 996	2580 / 1275	
15	274. / 131.	483. / 256.	1640. / 787.	650. / 331.	2397 / 1174	3047 / 1505	
16	312. / 150.	575. / 305.	1910. / 917.	763. / 388.	2797 / 1372	3560 / 1760	
17	353. / 170.	678. / 359.	2205. / 1059.	886. / 451.	3236 / 1588	4122 / 2039	
18	397. / 190.	791. / 419.	2524. / 1212.	1021. / 519.	3712 / 1821	4733 / 2340	
19	443. / 212.	915. / 485.	2868. / 1377.	1167. / 593.	4226 / 2074	5393 / 2667	
20	491. / 236.	1052. / 557.	3238. / 1555.	1325. / 674.	4781 / 2348	6106 / 3022	

REGRESSION COEFFICIENTS

EQUATION: LN(POUNDS) = B0 + B1(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.58285400	0.86452250	2.38081000	2.38591000	0.99291000	0.99304000
ABOVE STUMP	1.40940000	0.68030000	2.35560000	2.36170000	0.99000000	0.00000000
LEAVES	0.11639360	-0.61855940	2.02964700	2.03004900	0.93658000	0.93667000
BRANCHES	-1.14278400	-1.77509500	2.70412200	2.70333800	0.96058000	0.96044000
STEM	0.99600380	0.26077140	2.36563500	2.35616100	0.98314000	0.98310000
STUMP-ROOT	-0.22575210	-0.89466130	2.47519700	2.47262600	0.98604000	0.98615000

HEMLOCK

WEIGHT: KILOGRAMS  
 NO. OF OBSERVATIONS: 36

DBH (CM.)	FRESH/		DRY		STUMP ROOT	ABOVE STUMP	COMPLETE TREE
	LEAVES	BRANCHES	STEM	STEM			
3	0.7 / 0.3	0.2 / 0.1	1.8 / 0.9	0.5 / 0.3	2.7 / 1.3	3.2 / 1.6	
6	2.9 / 1.4	1.5 / 0.8	9.4 / 4.5	3.0 / 1.6	13.8 / 6.7	16.8 / 8.3	
9	6.6 / 3.2	4.4 / 2.3	24. / 11.7	8.3 / 4.2	35 / 17.2	43.3 / 21.4	
12	11.9 / 5.7	9.6 / 5.1	48. / 23.	16.9 / 8.6	69.5 / 33.8	86.4 / 42.4	
15	18.7 / 9.0	17.6 / 9.3	82. / 39.	29. / 15.0	118.3 / 57.3	147.3 / 72.3	
18	27. / 13.0	29. / 15.3	126. / 61.	46. / 23.	182 / 89.3	228 / 112.3	
21	37. / 17.8	44. / 23.	182. / 87.	69. / 34.	263 / 127.8	331 / 161.8	
24	49. / 23.	63. / 33.	249. / 120.	94. / 48.	361 / 176	455 / 224	
27	62. / 30.	86. / 46.	329. / 158.	126. / 64.	477 / 234	603 / 298	
30	76. / 37.	115. / 61.	423. / 203.	163. / 83.	614 / 301	777 / 384	
33	93. / 45.	149. / 79.	529. / 254.	207. / 105.	771 / 378	978 / 483	
36	111. / 53.	188. / 100.	650. / 312.	256. / 130.	949 / 465	1205 / 595	
39	130. / 63.	233. / 124.	786. / 377.	312. / 159.	1149 / 564	1461 / 723	
42	151. / 73.	285. / 151.	937. / 450.	375. / 191.	1373 / 674	1748 / 865	
45	174. / 84.	344. / 182.	1103. / 529.	445. / 226.	1621 / 795	2066 / 1021	
48	199. / 95.	409. / 217.	1285. / 617.	522. / 266.	1893 / 929	2415 / 1195	
51	225. / 108.	482. / 256.	1483. / 712.	607. / 309.	2190 / 1076	2797 / 1385	

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{POUNDS}) = B_0 + B_1(LN(\text{INCHES}))$        $\text{KILOGRAMS} = \text{POUNDS} * 0.4536$   
 $\text{CENTIMETERS} = \text{INCHES} * 2.54$

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.58285400	0.86452250	2.38081000	2.38591000	0.99291000	0.99304000
ABOVE STUMP	1.40940000	0.68030000	2.35560000	2.36170000	0.99000000	0.00000000
LEAVES	0.11639860	-0.61855840	2.02964700	2.03004900	0.93658000	0.93667000
BRANCHES	-1.14278400	-1.77509500	2.70412200	2.70333800	0.96058000	0.96044000
STEM	0.99600380	0.26077140	2.35563500	2.36616100	0.98314000	0.98310000
STUMP-ROOT	-0.22575210	-0.89466130	2.47519700	2.47262600	0.98604000	0.98615000

NORTHERN WHITE CEDAR

WEIGHT: POUNDS  
NO. OF OBSERVATIONS: 39

DBH (IN.)	LEAVES		BRANCHES		FRESH/ DRY STEM		STUMP ROOT		ABOVE STUMP		COMPLETE TREE	
1	2.5	1.1	1.2	0.6	2.6	1.3	1.7	0.7	6.3	3	8	3.7
2	6.2	2.9	4.4	2.4	11.6	5.8	6.2	2.6	22.2	11.1	28.4	13.7
3	10.6	5.0	9.4	5.1	28.	13.8	13.3	5.6	48	23.9	61.3	29.5
4	15.5	7.3	16.3	8.9	51.	26.	23.	9.6	82.8	42.2	105.8	51.8
5	21.	9.8	25.	13.6	82.	41.	35.	14.7	128	64.4	163	79.1
6	27.	12.5	35.	19.3	121.	61.	50.	21.	193	92.8	233	113.8
7	33.	15.4	47.	26.	168.	84.	67.	28.	248	125.4	315	153.4
8	39.	18.4	61.	33.	224.	112.	86.	36.	324	163.4	410	199.4
9	46.	22.	76.	42.	288.	144.	107.	45.	410	208	517	253
10	53.	25.	93.	51.	361.	180.	131.	55.	507	256	638	311
11	60.	28.	111.	61.	442.	220.	157.	65.	613	309	770	374
12	67.	32.	131.	72.	532.	265.	185.	77.	730	369	915	446
13	75.	35.	152.	84.	631.	315.	215.	90.	858	434	1074	524
14	82.	39.	175.	97.	740.	369.	248.	103.	997	505	1245	608
15	90.	43.	200.	111.	857.	427.	283.	117.	1147	581	1430	698
16	98.	46.	226.	125.	984.	490.	320.	133.	1308	661	1628	794
17	107.	50.	254.	141.	1120.	557.	359.	149.	1481	748	1840	897
18	115.	54.	283.	157.	1265.	629.	400.	166.	1663	840	2063	1006
19	124.	58.	313.	174.	1420.	706.	443.	184.	1857	938	2300	1122
20	132.	62.	345.	192.	1584.	788.	488.	203.	2061	1042	2549	1245

REGRESSION COEFFICIENTS

EQUATION: LN(POUNDS) = B0 + B1(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	2.05960700	1.32942000	1.91302400	1.91905100	0.99176000	0.99180000
ABOVE STUMP	1.81480000	1.11820000	1.91920000	1.92690000	0.99000000	0.00000000
LEAVES	0.89697700	0.13436860	1.33158200	1.33518800	0.96107000	0.96096000
BRANCHES	0.15742010	-0.46634940	1.89836100	1.91101400	0.97399000	0.97329000
STEM	0.97082760	0.28814400	2.13534900	2.13004100	0.99125000	0.99102000
STUMP-ROOT	0.50574230	-0.36056100	1.89755100	1.89312800	0.99023000	0.99029000

NORTHERN WHITE CEDAR

WEIGHT: KILOGRAMS  
NO. OF OBSERVATIONS: 39

DBH (CM.)	LEAVES		BRANCHES		FRESH/ DRY STEM		STUMP ROOT		ABOVE STUMP		COMPLETE TREE	
3	1.4 / 0.6	0.7 / 0.4	1.7 / 0.9	1.0 / 0.4	3.8 / 1.9	4.8 / 2.3						
6	3.5 / 1.6	2.7 / 1.5	7.5 / 3.8	3.8 / 1.6	13.7 / 6.9	17.5 / 8.5						
9	6.0 / 2.8	5.9 / 3.2	17.8 / 9.0	8.3 / 3.5	29.7 / 15	38 / 18.5						
12	8.8 / 4.1	10.1 / 5.5	33. / 16.5	14.3 / 6.0	51.9 / 26.1	66.2 / 32.1						
15	11.8 / 5.6	15.5 / 8.5	53. / 27.	22. / 9.1	80.3 / 41.1	102.3 / 50.2						
18	15.1 / 7.1	22. / 12.0	78. / 39.	31. / 12.9	115.1 / 58.1	146.1 / 71						
21	18.5 / 8.7	29. / 16.1	109. / 54.	41. / 17.3	156.5 / 78.8	197.5 / 96.1						
24	22. / 10.4	38. / 21.	145. / 72.	53. / 22.	205 / 103.4	258 / 125.4						
27	26. / 12.2	47. / 26.	186. / 93.	67. / 28.	259 / 131.2	326 / 159.2						
30	30. / 14.0	58. / 32.	233. / 116.	81. / 34.	321 / 162	402 / 196						
33	34. / 15.9	69. / 38.	286. / 143.	98. / 41.	389 / 196.9	487 / 237.9						
36	38. / 17.9	81. / 45.	344. / 172.	115. / 43.	463 / 234.9	578 / 282.9						
39	42. / 19.9	95. / 53.	409. / 203.	134. / 56.	546 / 275.9	680 / 331.9						
42	47. / 22.	109. / 61.	479. / 238.	154. / 64.	635 / 321	789 / 385						
45	51. / 24.	124. / 69.	555. / 276.	176. / 73.	730 / 369	906 / 442						
48	55. / 26.	141. / 78.	637. / 317.	199. / 83.	834 / 421	1033 / 504						
51	60. / 28.	158. / 88.	725. / 360.	223. / 93.	943 / 476	1166 / 569						

REGRESSION COEFFICIENTS

EQUATION:

LN(POUNDS) = B0 + B1(LN(INCHES))

KILOGRAMS = POUNDS \* 0.4536  
CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	2.05960700	1.32942000	1.91302400	1.91905100	0.99176000	0.99180000
ABOVE STUMP	1.81480000	1.11820000	1.91920000	1.92690000	0.99000000	0.99000000
LEAVES	0.89697700	0.13436360	1.33158200	1.33518800	0.96107000	0.96096000
BRANCHES	0.15742310	-0.46634940	1.89836100	1.91101400	0.97399000	0.97329000
STEM	0.97082760	0.28814400	2.13534900	2.13004100	0.99125000	0.99102000
STUMP-ROOT	0.50574230	-0.36056100	1.89765100	1.89312800	0.99023000	0.99029000

LARCH

WEIGHT: POUNDS  
NO. OF OBSERVATIONS: 23

DBH (IN.)	LEAVES		BRANCHES		STEM		STUMP ROOT		ABOVE STUMP		COMPLETE TREE	
	FRESH	DRY	FRESH	DRY	FRESH	DRY	FRESH	DRY	FRESH	DRY	FRESH	DRY
1	1.3	0.5	1.1	0.6	3.3	1.4	3.0	1.2	5.7	2.5	8.7	3.7
2	4.3	1.7	4.6	2.4	15.8	7.1	11.7	4.8	24.7	11.2	36.4	16
3	8.8	3.4	10.4	5.4	39.	18.1	26.	10.7	58.2	26.9	94.2	37.6
4	14.5	5.6	18.5	9.5	75.	35.	46.	18.8	108	50.1	154	68.9
5	21.	8.2	29.	14.8	123.	59.	71.	29.	173	82	244	111
6	29.	11.3	42.	21.	185.	90.	101.	42.	256	122.3	357	164.3
7	38.	14.7	57.	29.	262.	128.	137.	57.	357	171.7	494	228.7
8	48.	18.5	74.	37.	354.	174.	178.	74.	476	229.5	654	303.5
9	59.	23.	94.	47.	460.	228.	224.	93.	613	298	837	391
10	71.	27.	116.	58.	583.	291.	275.	114.	770	376	1045	490
11	84.	32.	140.	70.	722.	362.	332.	138.	946	464	1278	602
12	98.	37.	167.	84.	878.	443.	394.	163.	1143	564	1537	727
13	113.	43.	196.	98.	1050.	532.	461.	191.	1359	673	1820	864
14	129.	49.	227.	113.	1240.	631.	533.	221.	1596	793	2129	1014
15	145.	55.	261.	130.	1448.	740.	611.	254.	1854	925	2465	1179
16	162.	61.	297.	148.	1674.	859.	693.	288.	2133	1068	2826	1356
17	180.	68.	335.	167.	1917.	988.	781.	324.	2432	1223	3213	1547
18	199.	75.	376.	187.	2179.	1127.	873.	363.	2754	1389	3627	1752
19	219.	82.	419.	208.	2460.	1276.	971.	404.	3098	1566	4069	1970
20	239.	90.	464.	230.	2760.	1437.	1074.	447.	3463	1757	4537	2204

REGRESSION COEFFICIENTS

EQUATION: LN(POUNDS) = B0 + B1(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	2.18338600	1.33653500	2.07628100	2.11088600	0.99337000	0.99350000
ABOVE STUMP	1.61010000	0.81620000	2.21970000	2.24530000	0.98000000	0.00000000
LEAVES	0.25468770	-0.66826240	1.74368300	1.72495900	0.95356000	0.95352000
BRANCHES	0.13761140	-0.49679500	2.00364400	1.98097400	0.95263000	0.96038000
STEM	1.20437900	0.36461690	2.24277500	2.30509900	0.99456000	0.99469000
STUMP-ROOT	1.09763500	0.20892810	1.96330200	1.96699400	0.98806000	0.98731000

LARCH

WEIGHT: KILOGRAMS  
NO. OF OBSERVATIONS: 23

DBH (CM.)	LEAVES		BRANCHES		FRESH/ DRY STEM		STUMP ROOT		ABOVE STUMP		COMPLETE TREE	
3	0.8 / 0.3		0.7 / 0.4		2.2 / 1.0		1.9 / 0.8		3.7 / 1.7		5.6 / 2.5	
6	2.6 / 1.0		2.9 / 1.5		10.4 / 4.7		7.4 / 3.0		15.9 / 7.2		23.3 / 10.2	
9	5.3 / 2.1		6.6 / 3.4		26. / 12.1		16.3 / 6.7		37.9 / 17.6		54.2 / 24.3	
12	8.8 / 3.4		11.7 / 6.0		49. / 23.		29. / 11.9		69.5 / 32.4		98.5 / 44.3	
15	12.9 / 5.0		18.3 / 9.3		81. / 39.		44. / 18.4		112.2 / 53.3		156.2 / 71.7	
18	17.8 / 6.8		26. / 13.4		122. / 60.		64. / 26.		165.8 / 80.2		229.8 / 106.2	
21	23. / 8.9		36. / 18.1		173. / 85.		86. / 36.		232 / 112		318 / 148	
24	29. / 11.2		47. / 24.		233. / 116.		112. / 46.		309 / 151.2		421 / 197.2	
27	36. / 13.7		59. / 30.		303. / 152.		141. / 58.		398 / 195.7		539 / 253.7	
30	43. / 16.4		73. / 37.		384. / 194.		173. / 72.		500 / 247.4		673 / 319.4	
33	51. / 19.4		89. / 44.		476. / 241.		209. / 87.		616 / 304.4		825 / 391.4	
36	60. / 23.		106. / 53.		578. / 295.		248. / 103.		744 / 371		992 / 474	
39	69. / 26.		124. / 62.		692. / 354.		290. / 120.		885 / 442		1175 / 562	
42	78. / 29.		144. / 72.		817. / 420.		335. / 139.		1039 / 521		1374 / 660	
45	88. / 33.		165. / 82.		954. / 493.		384. / 160.		1207 / 608		1591 / 768	
48	98. / 37.		188. / 93.		1103. / 572.		436. / 181.		1389 / 702		1825 / 883	
51	109. / 41.		212. / 105.		1263. / 658.		491. / 204.		1584 / 804		2075 / 1008	

REGRESSION COEFFICIENTS

EQUATION: LN(POUNDS) = B0 + B1(LN(INCHES))

KILOGRAMS = POUNDS \* 0.4536  
CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	2.18338600	1.33653500	2.07628100	2.11088600	0.99337000	0.99350000
ABOVE STUMP	1.61010000	0.81620000	2.21970000	2.24530000	0.98000000	0.00000000
LEAVES	0.25468770	-0.66826240	1.74368300	1.72495900	0.95356000	0.95352000
BRANCHES	0.13761140	-0.49679500	2.00364400	1.98097400	0.95263000	0.96038000
STEM	1.20437900	0.36461690	2.24277500	2.30509900	0.99456000	0.99469000
STUMP-ROOT	1.09763500	0.20892910	1.96330200	1.96699400	0.99806000	0.98731000

YELLOW BIRCH

WEIGHT: POUNDS  
 NO. OF OBSERVATIONS: 42

DBH (IN.)	FRESH/		DRY		STUMP ROOT	ABOVE STUMP	COMPLETE TREE
	LEAVES	BRANCHES	STEM				
1	0.6 / 0.2	0.8 / 0.4	3.4 / 2.1		1.5 / 0.7	4.8 / 2.7	6.3 / 3.4
2	2.4 / 0.9	4.0 / 2.3	17.2 / 10.7		7.5 / 3.7	23.6 / 13.9	31.1 / 17.6
3	5.0 / 1.9	10.4 / 6.0	44. / 28.		19.2 / 9.5	59.4 / 35.9	78.6 / 45.4
4	8.6 / 3.3	20. / 11.9	87. / 54.		37. / 18.6	115.6 / 69.2	152.6 / 87.8
5	13.1 / 5.2	35. / 20.	147. / 92.		63. / 31.	195.1 / 117.2	258.1 / 148.2
6	18.4 / 7.5	53. / 31.	225. / 141.		95. / 48.	296.4 / 179.5	391.4 / 227.5
7	25. / 10.1	76. / 45.	323. / 202.		136. / 68.	424 / 257.1	560 / 325.1
8	31. / 13.2	104. / 62.	442. / 276.		186. / 93.	577 / 351.2	763 / 444.2
9	39. / 16.7	138. / 82.	583. / 363.		244. / 122.	760 / 461.7	1004 / 583.7
10	48. / 21.	176. / 105.	746. / 465.		311. / 156.	970 / 591	1281 / 747
11	57. / 25.	221. / 132.	933. / 581.		388. / 195.	1211 / 738	1599 / 933
12	67. / 29.	271. / 162.	1144. / 713.		475. / 238.	1482 / 904	1957 / 1142
13	78. / 34.	327. / 196.	1380. / 859.		571. / 287.	1785 / 1089	2356 / 1376
14	89. / 40.	389. / 234.	1642. / 1022.		678. / 341.	2120 / 1296	2798 / 1637
15	102. / 46.	458. / 275.	1930. / 1201.		796. / 400.	2490 / 1522	3286 / 1922
16	115. / 52.	533. / 321.	2245. / 1397.		924. / 465.	2893 / 1770	3817 / 2235
17	128. / 59.	615. / 371.	2588. / 1611.		1063. / 535.	3331 / 2041	4394 / 2576
18	143. / 66.	704. / 425.	2959. / 1841.		1213. / 612.	3806 / 2332	5019 / 2944
19	158. / 73.	799. / 483.	3359. / 2090.		1375. / 693.	4316 / 2646	5691 / 3339
20	174. / 81.	901. / 546.	3788. / 2356.		1548. / 781.	4863 / 2983	6411 / 3764
21	190. / 89.	1011. / 613.	4246. / 2641.		1733. / 875.	5447 / 3343	7180 / 4218
22	208. / 98.	1128. / 685.	4736. / 2945.		1930. / 975.	6072 / 3728	8002 / 4703
23	226. / 107.	1252. / 761.	5256. / 3268.		2140. / 1080.	6734 / 4136	8874 / 5216
24	244. / 116.	1384. / 842.	5807. / 3611.		2361. / 1193.	7435 / 4569	9796 / 5762
25	264. / 126.	1524. / 928.	6390. / 3973.		2595. / 1311.	8178 / 5027	10773 / 6338
26	284. / 136.	1671. / 1019.	7005. / 4355.		2842. / 1436.	8960 / 5510	11802 / 6946

REGRESSION COEFFICIENTS

EQUATION: LN(POUNDS) = B0 + B1(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.92721000	1.34505300	2.31562600	2.33547300	0.99754000	0.99735000
ABOVE STUMP	1.68010000	1.12970000	2.31450000	2.33760000	0.99000000	0.00000000
LEAVES	-0.43089110	-1.53371500	1.86563600	1.97834800	0.96426000	0.96254000
BRANCHES	-0.24439400	-0.82579230	2.35290300	2.37946100	0.92311000	0.92059000
STEM	1.21835200	0.75123020	2.34371100	2.34119000	0.92780000	0.93925000
STUMP-ROOT	0.41124800	-0.29629670	2.31451300	2.32227000	0.99659000	0.99650000



YELLOW BIRCH

WEIGHT: KILOGRAMS  
NO. OF OBSERVATIONS: 42

DBH (CM.)	LEAVES		BRANCHES		FRESH/ DRY STEM		STUMP ROOT		ABOVE STUMP		COMPLETE TREE	
3	0.4 / 0.1	0.5 / 0.3	2.3 / 1.4	1.0 / 0.5	3.2 / 1.8	4.2 / 2.3						
6	1.5 / 0.5	2.7 / 1.5	11.5 / 7.2	5.0 / 2.5	15.7 / 9.2	20.7 / 11.7						
9	3.1 / 1.2	7.0 / 4.0	30. / 18.6	12.8 / 6.4	40.1 / 23.8	52.9 / 30.2						
12	5.3 / 2.1	13.7 / 8.0	58. / 36.	25. / 12.4	77 / 46.1	102 / 58.5						
15	8.1 / 3.3	23. / 13.6	98. / 61.	42. / 21.	129.1 / 77.9	171.1 / 98.9						
18	11.4 / 4.7	36. / 21.	151. / 94.	64. / 32.	198.4 / 119.7	262.4 / 151.7						
21	15.2 / 6.4	51. / 30.	217. / 135.	91. / 46.	283.2 / 171.4	374.2 / 217.4						
24	19.5 / 8.3	70. / 42.	296. / 185.	124. / 62.	385.5 / 235.3	509.5 / 297.3						
27	24. / 10.5	92. / 55.	391. / 243.	163. / 82.	507 / 308.5	670 / 390.5						
30	30. / 12.9	118. / 71.	500. / 311.	208. / 104.	648 / 394.9	856 / 498.9						
33	35. / 15.6	148. / 89.	625. / 389.	259. / 130.	808 / 493.6	1067 / 623.6						
36	41. / 18.6	182. / 109.	766. / 477.	316. / 159.	989 / 604.6	1305 / 763.6						
39	48. / 22.	220. / 132.	925. / 576.	381. / 192.	1193 / 730	1574 / 922						
42	55. / 25.	261. / 157.	1100. / 685.	452. / 228.	1416 / 867	1868 / 1095						
45	63. / 29.	307. / 186.	1293. / 805.	530. / 267.	1663 / 1020	2193 / 1287						
48	71. / 33.	358. / 216.	1504. / 936.	616. / 311.	1933 / 1185	2549 / 1496						
51	79. / 37.	413. / 250.	1734. / 1079.	709. / 358.	2226 / 1366	2935 / 1724						
54	88. / 41.	472. / 286.	1983. / 1233.	809. / 408.	2543 / 1560	3352 / 1968						
57	98. / 46.	536. / 326.	2250. / 1399.	917. / 463.	2884 / 1771	3801 / 2234						
60	108. / 51.	605. / 368.	2538. / 1578.	1032. / 521.	3251 / 1997	4283 / 2518						
63	118. / 56.	678. / 413.	2845. / 1769.	1156. / 584.	3641 / 2238	4797 / 2822						
66	128. / 62.	757. / 462.	3173. / 1973.	1287. / 651.	4058 / 2497	5345 / 3148						

REGRESSION COEFFICIENTS

EQUATION:

LN(POUNDS) = B0 + B1(LN(INCHES))

KILOGRAMS = POUNDS \* 0.4536  
CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.92721000	1.34505300	2.31562600	2.33547300	0.99754000	0.99735000
ABOVE STUMP	1.68010000	1.12970000	2.31450000	2.33760000	0.99000000	0.00000000
LEAVES	-0.43039110	-1.53371500	1.86563600	1.97834300	0.96426000	0.96254000
BRANCHES	-0.24439400	-0.82579230	2.35280300	2.37946100	0.92311000	0.92059000
STEM	1.21835200	0.75123020	2.34371100	2.34119000	0.92780000	0.93925000
STUMP-ROCT	0.41124800	-0.29629670	2.31451300	2.32227000	0.99659000	0.99650000

WHITE BIRCH

WEIGHT: POUNDS  
NO. OF OBSERVATIONS: 51

DBH (IN.)	LEAVES		BRANCHES		FRESH/ DRY STEM		STUMP ROOT		ABOVE STUMP		COMPLETE TREE							
1	0.7	/	0.2	0.6	/	0.3	1.6	/	0.9	1.0	/	0.5	2.9	/	1.4	3.9	/	1.9
2	2.7	/	1.0	3.1	/	1.7	11.5	/	6.4	5.6	/	2.9	17.3	/	9.1	22.9	/	12
3	6.0	/	2.3	7.7	/	4.1	37.	/	21.	15.5	/	8.0	50.7	/	27.4	66.2	/	35.4
4	10.6	/	4.1	14.9	/	7.9	84.	/	48.	32.	/	16.6	109.5	/	60	141.5	/	76.6
5	16.5	/	6.5	25.	/	13.0	159.	/	91.	56.	/	29.	200.5	/	110.5	256.5	/	139.5
6	24.	/	9.5	37.	/	19.6	268.	/	155.	89.	/	46.	329	/	184.1	418	/	230.1
7	32.	/	13.0	53.	/	28.	416.	/	242.	131.	/	68.	501	/	283	632	/	351
8	42.	/	17.1	72.	/	37.	610.	/	357.	183.	/	95.	724	/	411.1	907	/	506.1
9	53.	/	22.	94.	/	49.	855.	/	502.	246.	/	128.	1002	/	573	1248	/	701
10	65.	/	27.	120.	/	62.	1156.	/	681.	320.	/	168.	1341	/	770	1661	/	938
11	79.	/	33.	149.	/	77.	1513.	/	898.	407.	/	213.	1746	/	1008	2153	/	1221
12	94.	/	39.	182.	/	93.	1948.	/	1155.	507.	/	265.	2224	/	1287	2731	/	1552
13	110.	/	46.	218.	/	112.	2449.	/	1456.	620.	/	325.	2777	/	1614	3397	/	1939
14	127.	/	54.	258.	/	132.	3028.	/	1805.	746.	/	392.	3413	/	1991	4159	/	2383
15	146.	/	62.	302.	/	154.	3689.	/	2205.	888.	/	466.	4137	/	2421	5025	/	2887
16	166.	/	71.	350.	/	178.	4438.	/	2658.	1044.	/	549.	4954	/	2907	5998	/	3456
17	187.	/	80.	402.	/	204.	5279.	/	3168.	1216.	/	639.	5868	/	3452	7084	/	4091
18	210.	/	90.	457.	/	232.	6217.	/	3739.	1404.	/	739.	6884	/	4061	8288	/	4800
19	233.	/	101.	517.	/	262.	7258.	/	4372.	1609.	/	847.	8008	/	4735	9617	/	5582
20	258.	/	112.	582.	/	294.	8405.	/	5073.	1830.	/	964.	9245	/	5479	11075	/	6443

REGRESSION COEFFICIENTS

EQUATION: LN(PCOUNDS) = B0 + B1(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.43022900	0.74343000	2.58505400	2.63983700	0.99656000	0.99604000
ABOVE STUMP	1.16930000	0.47920000	2.59790000	2.66340000	0.99000000	0.00000000
LEAVES	-0.39380150	-1.42137000	1.98562700	2.04938000	0.95997000	0.96154000
BRANCHES	-0.45530480	-1.05362600	2.27689200	2.24940200	0.93199000	0.94865000
STEM	0.46112500	-0.14638250	2.86257600	2.89680400	0.99170000	0.99013000
STUMP-ROOT	-0.01916241	-0.69069440	2.51396900	2.52405700	0.98991000	0.98986000

WHITE BIRCH

WEIGHT: KILOGRAMS  
 NO. OF OBSERVATIONS: 51

DBH (CM.)	LEAVES		BRANCHES		FRESH/ DRY STEM		STUMP ROOT		ABOVE STUMP		COMPLETE TREE	
3	0.4 / 0.2	0.4 / 0.2	1.2 / 0.6	0.7 / 0.3	2 / 1	2.7 / 1.3						
6	1.7 / 0.6	2.0 / 1.1	8.4 / 4.7	3.9 / 2.0	12.1 / 6.4	16 / 8.4						
9	3.8 / 1.5	5.1 / 2.7	27. / 15.3	10.7 / 5.5	35.9 / 19.5	46.6 / 25						
12	6.7 / 2.6	9.9 / 5.2	61. / 35.	22. / 11.4	77.6 / 42.8	99.6 / 54.2						
15	10.4 / 4.2	16.4 / 8.6	116. / 67.	39. / 20.	142.8 / 79.8	181.8 / 99.8						
18	14.9 / 6.1	25. / 12.9	196. / 114.	61. / 32.	235.9 / 133	296.9 / 165						
21	20. / 8.3	35. / 18.3	304. / 178.	90. / 47.	359 / 204.6	449 / 251.6						
24	26. / 10.9	48. / 25.	446. / 262.	125. / 66.	520 / 297.9	646 / 363.9						
27	33. / 13.9	63. / 32.	624. / 369.	169. / 89.	720 / 414.9	889 / 503.9						
30	41. / 17.3	80. / 41.	844. / 500.	221. / 116.	965 / 558.3	1186 / 674.3						
33	50. / 21.	99. / 51.	1109. / 659.	281. / 147.	1258 / 731	1539 / 878						
36	59. / 25.	120. / 62.	1423. / 849.	349. / 183.	1602 / 936	1951 / 1119						
39	69. / 30.	144. / 74.	1789. / 1070.	427. / 224.	2002 / 1174	2429 / 1398						
42	80. / 34.	171. / 97.	2212. / 1326.	515. / 270.	2463 / 1447	2978 / 1717						
45	92. / 40.	200. / 102.	2695. / 1620.	612. / 322.	2987 / 1762	3599 / 2084						
48	105. / 45.	232. / 118.	3242. / 1953.	720. / 379.	3579 / 2116	4299 / 2495						
51	118. / 51.	266. / 135.	3856. / 2327.	838. / 441.	4240 / 2513	5078 / 2954						

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{POUNDS}) = B_0 + B_1(LN(\text{INCHES}))$       KILOGRAMS = POUNDS \* 0.4536  
 CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.43022900	0.74343000	2.58505400	2.63983700	0.99656000	0.99604000
ABOVE STUMP	1.16930000	0.47920000	2.59790000	2.66340000	0.99000000	0.00000000
LEAVES	-0.39380150	-1.42137000	1.98562700	2.04938000	0.95997000	0.96154000
BRANCHES	-0.45530480	-1.05362500	2.27689200	2.24940200	0.93199000	0.94865000
STEM	0.46112500	-0.14638250	2.86257500	2.89680400	0.99170000	0.99013000
STUMP-ROOT	-0.01916241	-0.69069440	2.51396900	2.52405700	0.98991000	0.98986000

BEECH

WEIGHT: POUNDS  
NO. OF OBSERVATIONS: 29

DBH (IN.)	LEAVES		BRANCHES		FRESH/ DRY STEM		STUMP ROOT		ABOVE STUMP		COMPLETE TREE	
1	0.6	/ 0.2	0.8	/ 0.5	4.5	/ 2.8	1.8	/ 1.0	5.9	/ 3.5	7.7	/ 4.5
2	2.0	/ 0.9	4.5	/ 2.7	23.	/ 14.0	8.5	/ 4.5	29.5	/ 17.6	38	/ 22.1
3	4.3	/ 2.0	11.9	/ 7.1	58.	/ 36.	21.	/ 11.3	74.2	/ 45.1	95.2	/ 56.4
4	7.5	/ 3.4	24.	/ 14.0	112.	/ 69.	40.	/ 22.	143.5	/ 86.4	183.5	/ 108.4
5	11.3	/ 5.2	41.	/ 24.	188.	/ 115.	66.	/ 36.	240.3	/ 144.2	306.3	/ 180.2
6	16.0	/ 7.4	63.	/ 36.	286.	/ 175.	100.	/ 54.	365	/ 218.4	465	/ 272.4
7	21.	/ 10.0	91.	/ 53.	409.	/ 250.	141.	/ 76.	521	/ 313	662	/ 389
8	27.	/ 12.9	125.	/ 72.	557.	/ 340.	190.	/ 103.	709	/ 424.9	899	/ 527.9
9	34.	/ 16.2	166.	/ 95.	731.	/ 446.	243.	/ 134.	931	/ 557.2	1179	/ 691.2
10	42.	/ 19.8	214.	/ 122.	933.	/ 568.	313.	/ 170.	1189	/ 709.8	1502	/ 879.8
11	50.	/ 24.	269.	/ 153.	1162.	/ 707.	388.	/ 211.	1481	/ 894	1869	/ 1095
12	59.	/ 28.	332.	/ 133.	1421.	/ 863.	472.	/ 257.	1812	/ 1079	2284	/ 1336
13	68.	/ 33.	403.	/ 227.	1710.	/ 1038.	564.	/ 308.	2181	/ 1298	2745	/ 1606
14	78.	/ 38.	481.	/ 270.	2030.	/ 1231.	666.	/ 363.	2589	/ 1539	3255	/ 1902
15	89.	/ 43.	568.	/ 318.	2381.	/ 1442.	777.	/ 425.	3038	/ 1803	3815	/ 2228
16	101.	/ 49.	663.	/ 371.	2764.	/ 1673.	398.	/ 491.	3528	/ 2093	4426	/ 2584
17	113.	/ 55.	767.	/ 428.	3180.	/ 1924.	1029.	/ 563.	4060	/ 2407	5089	/ 2970
18	126.	/ 61.	880.	/ 489.	3629.	/ 2194.	1170.	/ 640.	4635	/ 2744	5805	/ 3384
19	139.	/ 68.	1002.	/ 556.	4112.	/ 2484.	1320.	/ 723.	5253	/ 3108	6573	/ 3831
20	153.	/ 75.	1134.	/ 628.	4630.	/ 2795.	1481.	/ 812.	5917	/ 3498	7398	/ 4310
21	168.	/ 82.	1275.	/ 705.	5183.	/ 3127.	1652.	/ 906.	6626	/ 3914	8278	/ 4820
22	183.	/ 90.	1426.	/ 786.	5771.	/ 3480.	1833.	/ 1006.	7380	/ 4356	9213	/ 5362
23	199.	/ 98.	1587.	/ 874.	6396.	/ 3855.	2025.	/ 1112.	8182	/ 4827	10207	/ 5939
24	216.	/ 106.	1758.	/ 966.	7057.	/ 4251.	2228.	/ 1224.	9031	/ 5323	11259	/ 6547
25	233.	/ 115.	1939.	/ 1064.	7756.	/ 4670.	2441.	/ 1341.	9928	/ 5849	12369	/ 7190
26	251.	/ 124.	2131.	/ 1167.	8492.	/ 5110.	2666.	/ 1465.	10874	/ 6401	13540	/ 7866

REGRESSION COEFFICIENTS

EQUATION: LN(POUNDS) = B0 + B1(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	2.07455300	1.55455000	2.29903300	2.29108700	0.99426000	0.99425000
ABOVE STUMP	1.81860000	1.33030000	2.31290000	2.29880000	0.99000000	0.00000000
LEAVES	-0.59479850	-1.42520600	1.87803500	1.91575500	0.94646000	0.94012000
BRANCHES	-0.16722010	-0.63784310	2.40365800	2.36340900	0.93173000	0.93071000
STEM	1.51473300	1.04626500	2.31182200	2.29974100	0.99192000	0.99143000
STUMP-ROOT	0.53954540	-0.04815769	2.24014300	2.25224600	0.99055000	0.99087000

DBH (CM.)	LEAVES		BRANCHES		FRESH/ DRY STEM		STUMP ROOT		ABOVE STUMP		COMPLETE TREE	
3	0.3	/ 0.2	0.6	/ 0.4	3.0	/ 1.9	1.2	/ 0.6	3.9	/ 2.5	5.1	/ 3.1
6	1.3	/ 0.6	3.0	/ 1.8	15.1	/ 9.3	5.6	/ 3.0	19.4	/ 11.7	25	/ 14.7
9	2.7	/ 1.2	8.0	/ 4.8	38.	/ 24.	13.9	/ 7.5	48.7	/ 30	62.6	/ 37.5
12	4.6	/ 2.1	16.0	/ 9.4	75.	/ 46.	27.	/ 14.3	95.6	/ 57.5	122.6	/ 71.8
15	7.0	/ 3.3	27.	/ 15.9	125.	/ 77.	44.	/ 24.	159	/ 96.2	203	/ 120.2
18	9.9	/ 4.6	42.	/ 25.	191.	/ 117.	66.	/ 36.	242.9	/ 146.6	308.9	/ 182.6
21	13.2	/ 6.2	62.	/ 35.	272.	/ 166.	93.	/ 50.	347.2	/ 207.2	440.2	/ 257.2
24	17.0	/ 8.1	85.	/ 48.	371.	/ 226.	125.	/ 68.	473	/ 282.1	598	/ 350.1
27	21.	/ 10.1	113.	/ 64.	487.	/ 296.	163.	/ 89.	621	/ 370.1	784	/ 459.1
30	26.	/ 12.4	145.	/ 82.	622.	/ 378.	206.	/ 112.	793	/ 472.4	999	/ 584.4
33	31.	/ 14.8	182.	/ 103.	775.	/ 470.	256.	/ 139.	988	/ 587.8	1244	/ 726.8
36	36.	/ 17.5	225.	/ 126.	947.	/ 574.	311.	/ 169.	1208	/ 717.5	1519	/ 886.5
39	42.	/ 20.	272.	/ 152.	1140.	/ 690.	372.	/ 203.	1454	/ 962	1826	/ 1065
42	49.	/ 24.	326.	/ 182.	1353.	/ 819.	439.	/ 240.	1728	/ 1025	2167	/ 1265
45	55.	/ 27.	384.	/ 214.	1587.	/ 959.	512.	/ 280.	2026	/ 1200	2538	/ 1480
48	62.	/ 30.	449.	/ 249.	1842.	/ 1113.	592.	/ 324.	2353	/ 1392	2945	/ 1716
51	70.	/ 34.	519.	/ 287.	2119.	/ 1279.	678.	/ 371.	2708	/ 1600	3386	/ 1971
54	78.	/ 38.	596.	/ 329.	2419.	/ 1459.	770.	/ 422.	3093	/ 1826	3863	/ 2248
57	86.	/ 42.	678.	/ 374.	2741.	/ 1652.	869.	/ 477.	3505	/ 2068	4374	/ 2545
60	95.	/ 47.	767.	/ 422.	3086.	/ 1859.	975.	/ 536.	3948	/ 2328	4923	/ 2864
63	104.	/ 51.	863.	/ 474.	3454.	/ 2080.	1088.	/ 598.	4421	/ 2605	5509	/ 3203
66	114.	/ 56.	965.	/ 529.	3847.	/ 2315.	1207.	/ 664.	4926	/ 2900	6133	/ 3564

## REGRESSION COEFFICIENTS

EQUATION:

LN(POUNDS) = B0 + B1(LN(INCHES))

KILOGRAMS = POUNDS \* 0.4536  
CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	2.07455300	1.55455000	2.29903300	2.29108700	0.99426000	0.99425000
ABOVE STUMP	1.81860000	1.33030000	2.31290000	2.29880000	0.99000000	0.00000000
LEAVES	-0.59479850	-1.42520600	1.87803500	1.91575500	0.94646000	0.94012000
BRANCHES	-0.16722010	-0.63784310	2.40365800	2.36340900	0.93173000	0.93071000
STEM	1.51473300	1.04626600	2.31182200	2.29974100	0.99192000	0.99143000
STUMP-ROOT	0.58954540	-0.04815769	2.24014300	2.25224600	0.99055000	0.99087000

SUGAR MAPLE

WEIGHT: POUNDS  
NO. OF OBSERVATIONS: 42

DBH (IN.)	LEAVES		BRANCHES		FRESH/ DRY STEM		STUMP ROOT		ABOVE STUMP		COMPLETE TREE	
1	0.5	0.2	0.4	0.2	4.5	3.0	1.6	0.9	5.4	3.4	7	4.3
2	1.7	0.8	2.3	1.4	22.	14.8	7.7	4.4	26	17	33.7	21.4
3	3.7	1.7	6.5	4.1	55.	37.	19.1	11.1	65.2	42.8	84.3	53.9
4	6.2	2.9	13.6	8.5	106.	72.	37.	21.	125.8	83.4	162.8	104.4
5	9.4	4.4	24.	15.0	177.	121.	61.	35.	210.4	140.4	271.4	175.4
6	13.2	6.2	38.	24.	268.	183.	92.	53.	319.2	213.2	411.2	266.2
7	17.6	8.3	57.	35.	380.	260.	130.	75.	454.6	303.3	584.6	378.3
8	22.	10.7	80.	50.	515.	353.	176.	102.	617	413.7	793	515.7
9	28.	13.4	108.	67.	673.	463.	229.	133.	809	543.4	1038	676.4
10	34.	16.3	142.	88.	855.	589.	291.	169.	1031	693.3	1322	862.3
11	40.	19.5	181.	112.	1062.	733.	360.	210.	1283	864.5	1643	1074.5
12	47.	23.	225.	140.	1295.	894.	439.	255.	1567	1057	2006	1312
13	55.	27.	277.	172.	1553.	1074.	526.	306.	1885	1273	2411	1579
14	63.	31.	334.	208.	1839.	1273.	622.	362.	2236	1512	2858	1874
15	72.	35.	399.	248.	2151.	1491.	726.	423.	2622	1774	3348	2197
16	81.	40.	470.	292.	2491.	1728.	840.	490.	3042	2060	3882	2550
17	90.	44.	549.	341.	2860.	1985.	964.	562.	3499	2370	4463	2932
18	100.	50.	635.	395.	3257.	2263.	1097.	639.	3992	2708	5089	3347
19	111.	55.	729.	453.	3683.	2561.	1239.	722.	4523	3069	5762	3791
20	122.	60.	831.	516.	4139.	2880.	1391.	811.	5092	3456	6483	4267
21	133.	66.	941.	585.	4625.	3221.	1553.	906.	5699	3872	7252	4778
22	145.	72.	1059.	658.	5142.	3583.	1725.	1007.	6346	4313	8071	5320
23	158.	79.	1187.	737.	5689.	3966.	1908.	1113.	7034	4782	8942	5895
24	171.	85.	1323.	822.	6267.	4372.	2100.	1226.	7761	5279	9861	6505
25	184.	92.	1468.	912.	6877.	4901.	2303.	1345.	8529	5805	10832	7150
26	198.	99.	1623.	1008.	7519.	5252.	2517.	1469.	9340	6359	11857	7828

REGRESSION COEFFICIENTS

EQUATION: LN(POUNDS) = B0 + B1(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.94060000	1.47775300	2.30665900	2.32156500	0.99726000	0.99729000
ABOVE STUMP	1.68320000	1.24510000	2.31650000	2.33290000	0.99000000	0.00000000
LEAVES	-0.72604420	-1.56098100	1.84555100	1.89005700	0.95013000	0.95091000
BRANCHES	-0.92524320	-1.39710700	2.55278000	2.55149300	0.93797000	0.93650000
STEM	1.51306500	1.10715000	2.27497500	2.28942200	0.99499000	0.99492000
STUMP-ROOT	0.47035690	-0.08274315	2.25907800	2.26369300	0.99590000	0.99585000

SUGAR MAPLE

WEIGHT: KILOGRAMS  
NO. OF OBSERVATIONS: 42

DBH (CM.)	LEAVES		BRANCHES		FRESH/ DRY STEM		STUMP ROOT		ABOVE STUMP		COMPLETE TREE	
3	0.3 / 0.1	0.3 / 0.2	3.0 / 2.0	1.1 / 0.6	3.6 / 2.3	4.7 / 2.9						
6	1.1 / 0.5	1.6 / 1.0	14.6 / 9.8	5.1 / 2.9	17.3 / 11.3	22.4 / 14.2						
9	2.3 / 1.0	4.5 / 2.8	37. / 25.	12.7 / 7.3	43.8 / 28.8	56.5 / 36.1						
12	3.9 / 1.8	9.5 / 5.9	70. / 48.	24. / 14.0	83.4 / 55.7	107.4 / 69.7						
15	5.8 / 2.7	16.7 / 10.4	117. / 80.	40. / 23.	139.5 / 93.1	179.5 / 116.1						
18	8.1 / 3.9	27. / 16.6	177. / 121.	61. / 35.	212.1 / 141.5	273.1 / 176.5						
21	10.8 / 5.2	40. / 25.	252. / 173.	86. / 50.	302.8 / 203.2	388.8 / 253.2						
24	13.9 / 6.6	56. / 35.	341. / 235.	116. / 67.	410.9 / 276.6	526.9 / 343.6						
27	17.2 / 8.3	75. / 47.	446. / 307.	151. / 88.	538.2 / 362.3	689.2 / 450.3						
30	21. / 10.1	98. / 61.	567. / 391.	192. / 112.	686 / 462.1	878 / 574.1						
33	25. / 12.1	125. / 78.	704. / 487.	238. / 139.	854 / 577.1	1092 / 716.1						
36	29. / 14.3	156. / 97.	958. / 594.	290. / 169.	1043 / 705.3	1333 / 874.3						
39	34. / 16.6	192. / 119.	1029. / 713.	347. / 202.	1255 / 848.6	1602 / 1050.6						
42	39. / 19.1	232. / 144.	1218. / 845.	411. / 239.	1489 / 1008.1	1900 / 1247.1						
45	44. / 22.	276. / 172.	1425. / 990.	480. / 280.	1745 / 1184	2225 / 1464						
48	50. / 25.	326. / 203.	1650. / 1147.	555. / 324.	2026 / 1375	2581 / 1699						
51	56. / 28.	381. / 237.	1894. / 1318.	637. / 371.	2331 / 1583	2968 / 1954						
54	62. / 31.	440. / 274.	2158. / 1503.	724. / 423.	2660 / 1808	3384 / 2231						
57	68. / 34.	506. / 314.	2440. / 1701.	819. / 478.	3014 / 2049	3833 / 2527						
60	75. / 38.	576. / 358.	2742. / 1913.	919. / 536.	3393 / 2309	4312 / 2845						
63	82. / 41.	653. / 406.	3064. / 2139.	1026. / 599.	3799 / 2586	4825 / 3185						
66	90. / 45.	735. / 457.	3406. / 2379.	1140. / 666.	4231 / 2881	5371 / 3547						

REGRESSION COEFFICIENTS

EQUATION: LN(POUNDS) = B0 + B1(LN(INCHES))  
KILOGRAMS = POUNDS \* 0.4536  
CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.94060000	1.47775300	2.30665900	2.32156500	0.99726000	0.99729000
ABOVE STUMP	1.68320000	1.24510000	2.31650000	2.33290000	0.99000000	0.00000000
LEAVES	-0.72604420	-1.56098100	1.84555100	1.89005700	0.95013000	0.95091000
BRANCHES	-0.92524020	-1.39710700	2.55278000	2.55149300	0.93797000	0.93650000
STEM	1.51306500	1.10715000	2.27497500	2.28942200	0.99499000	0.99492000
STUMP-ROOT	0.47035590	-0.08274315	2.25907800	2.26369300	0.99590000	0.99585000

RED MAPLE

WEIGHT: POUNDS  
NO. OF OBSERVATIONS: 62

DBH (IN.)	LEAVES		BRANCHES		FRESH/ DRY STEM		STUMP ROOT		ABOVE STUMP		COMPLETE TREE	
1	0.7	0.3	0.7	0.4	3.0	1.8	1.3	0.7	4.4	2.5	5.7	3.2
2	2.5	1.1	3.2	1.8	16.7	9.9	6.8	3.6	22.4	12.8	29.2	16.4
3	5.3	2.3	7.8	4.3	45.	27.	17.4	9.2	58.1	33.6	75.5	42.8
4	8.9	3.8	14.6	8.2	93.	56.	34.	18.0	116.5	68	150.5	86
5	13.3	5.8	24.	13.4	161.	97.	57.	30.	198.3	116.2	255.3	146.2
6	18.6	8.1	35.	20.0	252.	153.	87.	46.	305.6	181.1	392.6	227.1
7	25.	10.7	50.	28.	369.	224.	125.	66.	444	262.7	569	328.7
8	31.	13.7	67.	38.	514.	313.	171.	91.	612	364.7	783	455.7
9	39.	16.9	86.	49.	687.	420.	225.	119.	812	485.9	1037	604.9
10	47.	21.	108.	62.	892.	545.	288.	153.	1047	628	1335	781
11	56.	24.	133.	76.	1129.	691.	359.	191.	1318	791	1677	982
12	65.	29.	161.	92.	1399.	859.	440.	234.	1625	980	2065	1214
13	76.	33.	192.	110.	1706.	1048.	530.	282.	1974	1191	2504	1473
14	87.	38.	226.	130.	2048.	1260.	630.	335.	2361	1428	2991	1763
15	98.	43.	262.	151.	2429.	1497.	740.	393.	2789	1691	3529	2084
16	110.	49.	302.	174.	2850.	1758.	860.	457.	3262	1981	4122	2438
17	123.	54.	345.	199.	3310.	2044.	991.	527.	3778	2297	4769	2824
18	137.	60.	391.	226.	3813.	2357.	1132.	602.	4341	2643	5473	3245
19	151.	67.	440.	254.	4358.	2696.	1284.	683.	4949	3017	6233	3700
20	165.	73.	492.	285.	4947.	3063.	1447.	769.	5604	3421	7051	4190
21	181.	80.	547.	317.	5582.	3459.	1621.	862.	6310	3856	7931	4718
22	197.	87.	606.	351.	6262.	3884.	1807.	961.	7065	4322	8872	5283
23	213.	95.	667.	387.	6989.	4338.	2004.	1066.	7869	4820	9873	5886
24	230.	102.	732.	425.	7765.	4823.	2213.	1177.	8727	5350	10940	6527
25	248.	110.	801.	465.	8589.	5339.	2434.	1295.	9638	5914	12072	7209
26	266.	118.	872.	507.	9464.	5887.	2667.	1419.	10602	6512	13269	7931

REGRESSION COEFFICIENTS

EQUATION: LN(POUNDS) = 80 + 81(LN(INCHES))

COMPONENT	80		81		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.77579400	1.18759600	2.35518000	2.37025000	0.99695000	0.99662000
ABOVE STUMP	1.51440000	0.93920000	2.36190000	2.38040000	0.99000000	0.00000000
LEAVES	-0.33040780	-1.19552200	1.81528900	1.83217300	0.95726000	0.95338000
BRANCHES	-0.34297370	-0.95645660	2.18354500	2.20554900	0.96510000	0.96594000
STEM	1.10070400	0.56836780	2.47215000	2.48984700	0.99663000	0.99620000
STUMP-ROOT	0.29540900	-0.34473480	2.33057700	2.33344000	0.99293000	0.99250000



DBH (CM.)	LEAVES		BRANCHES		FRESH/ DRY STEM		STUMP ROOT		ABOVE STUMP		COMPLETE TREE	
3	0.4 / 0.2	0.5 / 0.3	2.1 / 1.2	0.9 / 0.5	3 / 1.7	3.9 / 2.2						
6	1.6 / 0.7	2.1 / 1.2	11.4 / 6.8	4.5 / 2.4	15.1 / 8.7	19.6 / 11.1						
9	3.2 / 1.4	5.1 / 2.8	31. / 18.7	11.6 / 6.2	39.3 / 22.9	50.9 / 29.1						
12	5.5 / 2.4	9.6 / 5.4	63. / 38.	23. / 12.0	78.1 / 45.8	101.1 / 57.8						
15	8.2 / 3.6	15.6 / 8.8	110. / 67.	38. / 20.	133.8 / 79.4	171.8 / 99.4						
18	11.4 / 5.0	23. / 13.1	173. / 105.	58. / 31.	207.4 / 123.1	265.4 / 154.1						
21	15.1 / 6.6	32. / 18.4	253. / 154.	84. / 44.	300.1 / 179	384.1 / 223						
24	19.2 / 8.4	43. / 25.	352. / 215.	114. / 61.	414.2 / 248.4	528.2 / 309.4						
27	24. / 10.4	56. / 32.	470. / 288.	150. / 80.	550 / 330.4	700 / 410.4						
30	29. / 12.6	71. / 40.	610. / 374.	192. / 102.	710 / 426.6	902 / 528.6						
33	34. / 15.1	87. / 50.	772. / 475.	240. / 128.	893 / 540.1	1133 / 668.1						
36	40. / 17.7	105. / 60.	958. / 590.	294. / 156.	1103 / 667.7	1397 / 823.7						
39	46. / 20.	125. / 72.	1167. / 720.	354. / 188.	1338 / 812	1692 / 1000						
42	53. / 23.	147. / 85.	1402. / 865.	421. / 224.	1602 / 973	2023 / 1197						
45	60. / 27.	171. / 99.	1663. / 1028.	495. / 263.	1894 / 1154	2389 / 1417						
48	68. / 30.	197. / 114.	1951. / 1207.	575. / 306.	2216 / 1351	2791 / 1657						
51	76. / 33.	225. / 130.	2266. / 1403.	662. / 352.	2567 / 1566	3229 / 1918						
54	84. / 37.	255. / 143.	2610. / 1613.	757. / 402.	2949 / 1803	3706 / 2205						
57	92. / 41.	287. / 166.	2983. / 1851.	858. / 457.	3362 / 2058	4220 / 2515						
60	101. / 45.	321. / 186.	3386. / 2103.	967. / 515.	3808 / 2334	4775 / 2849						
63	111. / 49.	357. / 207.	3821. / 2375.	1084. / 577.	4289 / 2631	5373 / 3208						
66	121. / 54.	395. / 230.	4286. / 2666.	1208. / 643.	4802 / 2950	6010 / 3593						

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{POUNDS}) = B_0 + B_1(LN(\text{INCHES}))$       KILOGRAMS = POUNDS \* 0.4536  
CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.77579400	1.18759600	2.35518000	2.37025000	0.99695000	0.99662000
ABOVE STUMP	1.51440000	0.93920000	2.36190000	2.38040000	0.99000000	0.00000000
LEAVES	-0.33040780	-1.19552200	1.81528900	1.83217300	0.95726000	0.95338000
BRANCHES	-0.34297370	-0.95645660	2.18354500	2.20554900	0.96510000	0.96594000
STEM	1.10070400	0.56836780	2.47215000	2.49984700	0.99663000	0.99620000
STUMP-ROOT	0.29540900	-0.34473480	2.33057200	2.33344000	0.99293000	0.99250000

ASPEN

WEIGHT: POUNDS  
NO. OF OBSERVATIONS: 52

DBH (IN.)	LEAVES		BRANCHES		FRESH/ DRY STEM		STUMP ROOT		ABOVE STUMP		COMPLETE TREE	
1	0.4	/ 0.2	0.4	/ 0.2	2.6	/ 1.2	1.1	/ 0.6	3.4	/ 1.6	4.5	/ 2.2
2	1.8	/ 0.7	2.2	/ 1.1	15.2	/ 7.6	5.7	/ 3.0	19.2	/ 9.4	24.9	/ 12.4
3	4.2	/ 1.6	6.1	/ 3.0	42.	/ 22.	14.9	/ 7.8	52.3	/ 26.6	57.2	/ 34.4
4	7.6	/ 3.0	12.2	/ 6.3	88.	/ 48.	29.	/ 15.5	107.8	/ 57.3	136.8	/ 72.8
5	12.0	/ 4.8	21.	/ 11.1	154.	/ 88.	50.	/ 26.	187	/ 103.9	237	/ 129.9
6	17.4	/ 7.0	33.	/ 17.5	244.	/ 142.	77.	/ 41.	294.4	/ 166.5	371.4	/ 207.5
7	24.	/ 9.6	48.	/ 26.	361.	/ 215.	111.	/ 59.	433	/ 250.6	544	/ 309.6
8	31.	/ 12.6	67.	/ 36.	506.	/ 307.	152.	/ 81.	604	/ 355.6	756	/ 436.6
9	40.	/ 16.1	89.	/ 49.	681.	/ 421.	201.	/ 107.	810	/ 486.1	1011	/ 593.1
10	50.	/ 20.	116.	/ 64.	889.	/ 557.	258.	/ 137.	1055	/ 641	1313	/ 778
11	60.	/ 24.	146.	/ 81.	1131.	/ 719.	323.	/ 172.	1337	/ 824	1660	/ 996
12	72.	/ 29.	181.	/ 101.	1409.	/ 907.	397.	/ 211.	1662	/ 1037	2059	/ 1248
13	85.	/ 35.	220.	/ 123.	1724.	/ 1123.	480.	/ 256.	2029	/ 1281	2509	/ 1537
14	99.	/ 40.	263.	/ 149.	2079.	/ 1369.	572.	/ 305.	2441	/ 1558	3013	/ 1863
15	114.	/ 47.	312.	/ 177.	2475.	/ 1646.	673.	/ 359.	2901	/ 1870	3574	/ 2229
16	130.	/ 53.	365.	/ 208.	2914.	/ 1955.	784.	/ 419.	3409	/ 2216	4193	/ 2635
17	148.	/ 60.	424.	/ 243.	3396.	/ 2299.	905.	/ 484.	3968	/ 2602	4873	/ 3086
18	166.	/ 68.	488.	/ 281.	3924.	/ 2678.	1037.	/ 554.	4578	/ 3027	5615	/ 3581
19	185.	/ 76.	557.	/ 322.	4499.	/ 3094.	1178.	/ 630.	5241	/ 3492	6419	/ 4122
20	206.	/ 85.	631.	/ 366.	5121.	/ 3549.	1330.	/ 712.	5958	/ 4000	7288	/ 4712

REGRESSION COEFFICIENTS

EQUATION: LN(POUNDS) = B0 + B1(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.54418500	0.76458130	2.45559800	2.56546700	0.99810000	0.99748000
ABOVE STUMP	1.28160000	0.46890000	2.47380000	2.60870000	0.99000000	0.00000000
LEAVES	-0.81764950	-1.78193400	2.05141900	2.07660500	0.94920000	0.94933000
BRANCHES	-0.89010910	-1.65957500	2.44932900	2.52443000	0.95554000	0.95809000
STEM	0.97121270	0.17295520	2.52690400	2.67092600	0.99665000	0.99521000
STUMP-ROOT	0.10024150	-0.55946790	2.36769500	2.37936400	0.99231000	0.99206000

DBH (CM.)	FRESH		DRY		STUMP ROOT	ABOVE STUMP	COMPLETE TREE
	LEAVES	BRANCHES	STEM	STEM			
3	0.3 / 0.1	0.3 / 0.1	1.8 / 0.8	0.7 / 0.4	2.4 / 1	3.1 / 1.4	
6	1.2 / 0.5	1.5 / 0.8	10.5 / 5.4	3.8 / 2.0	13.2 / 6.7	17 / 8.7	
9	2.7 / 1.1	4.1 / 2.1	29. / 15.8	10.0 / 5.3	35.8 / 19	45.8 / 24.3	
12	4.8 / 1.9	8.4 / 4.3	61. / 34.	19.8 / 10.4	74.2 / 40.2	94 / 50.6	
15	7.7 / 3.1	14.4 / 7.6	107. / 62.	34. / 17.7	129.1 / 72.7	163.1 / 90.4	
18	11.1 / 4.5	23. / 12.1	169. / 101.	52. / 27.	203.1 / 117.6	255.1 / 144.6	
21	15.3 / 6.1	33. / 17.9	249. / 152.	75. / 39.	297.3 / 176	372.3 / 215	
24	20. / 8.1	46. / 25.	349. / 217.	102. / 54.	415 / 250.1	517 / 304.1	
27	26. / 10.3	61. / 34.	470. / 298.	135. / 72.	557 / 342.3	692 / 414.3	
30	32. / 12.9	79. / 44.	614. / 394.	173. / 92.	725 / 450.9	898 / 542.9	
33	39. / 15.7	100. / 56.	781. / 509.	217. / 116.	920 / 580.7	1137 / 696.7	
36	46. / 18.8	123. / 70.	973. / 642.	267. / 142.	1142 / 730.8	1409 / 872.8	
39	54. / 22.	150. / 85.	1191. / 795.	323. / 172.	1395 / 902	1718 / 1074	
42	63. / 26.	180. / 103.	1436. / 968.	385. / 205.	1679 / 1097	2064 / 1302	
45	73. / 30.	213. / 122.	1710. / 1164.	453. / 242.	1996 / 1316	2449 / 1558	
48	83. / 34.	249. / 144.	2013. / 1383.	528. / 282.	2345 / 1561	2873 / 1843	
51	94. / 39.	289. / 168.	2346. / 1627.	609. / 326.	2729 / 1834	3338 / 2160	

REGRESSION COEFFICIENTS

EQUATION:

$LN(\text{POUNDS}) = B_0 + B_1(LN(\text{INCHES}))$

$\text{KILOGRAMS} = \text{POUNDS} * 0.4535$   
 $\text{CENTIMETERS} = \text{INCHES} * 2.54$

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.54418500	0.76458130	2.45559800	2.56546700	0.99810000	0.99748000
ABOVE STUMP	1.28160000	0.46890000	2.47330000	2.60870000	0.99000000	0.00000000
LEAVES	-0.81764950	-1.78193400	2.05141900	2.07660500	0.94920000	0.94933000
BRANCHES	-0.89010910	-1.65957500	2.44932900	2.52443000	0.95554000	0.95809000
STEM	0.97121270	0.17295520	2.52690400	2.67092600	0.99665000	0.99521000
STUMP-ROOT	0.10024150	-0.55946790	2.35769500	2.37936400	0.99231000	0.99206000

GRAY BIRCH

WEIGHT: POUNDS  
NO. OF OBSERVATIONS: 30

DBH (IN.)	LEAVES		BRANCHES		FRESH/ DRY	STUMP ROOT	ABOVE STUMP	COMPLETE TREE
					STEM			
1	0.5 / 0.3	1.2 / 0.7	3.6 / 1.9	1.6 / 0.9	5.3 / 2.9	6.9 / 3.8		
2	1.6 / 0.7	3.7 / 2.1	20. / 11.1	7.7 / 4.4	25.3 / 13.9	33 / 18.3		
3	2.9 / 1.1	7.1 / 4.0	56. / 31.	19.4 / 10.8	56 / 36.1	85.4 / 46.9		
4	4.6 / 1.6	11.3 / 6.4	114. / 64.	37. / 20.	129.9 / 72	166.9 / 92		
5	6.6 / 2.1	16.3 / 9.2	198. / 113.	62. / 34.	220.9 / 124.3	282.9 / 158.3		
6	8.7 / 2.6	22. / 12.4	311. / 179.	93. / 51.	341.7 / 194	434.7 / 245		
7	11.1 / 3.1	28. / 16.0	456. / 264.	133. / 71.	495.1 / 283.1	628.1 / 354.1		
8	13.7 / 3.7	35. / 19.9	636. / 371.	179. / 96.	684.7 / 394.6	863.7 / 490.6		
9	16.5 / 4.3	43. / 24.	852. / 499.	234. / 125.	911.5 / 527.3	1145.5 / 652.3		

REGRESSION COEFFICIENTS

EQUATION: LN(POUNDS) = B0 + B1(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.99330600	1.36489600	2.26335200	2.29507900	0.99508000	0.99489000
ABOVE STUMP	1.74720000	1.09310000	2.26160000	2.31460000	0.99000000	0.00000000
LEAVES	-0.64343440	-1.24976400	1.56885100	1.22755100	0.92287000	0.81232000
BRANCHES	0.16948640	-0.39690960	1.62998800	1.62873200	0.91345000	0.89724000
STEM	1.28669700	0.65417760	2.48531000	2.52990300	0.99321000	0.99392000
STUMP-ROOT	0.47060280	-0.07580561	2.26959600	2.23140700	0.99507000	0.99505000

GRAY BIRCH

WEIGHT: KILOGRAMS  
NO. OF OBSERVATIONS: 30

DBH (CM.)	LEAVES		BRANCHES		FRESH/ DRY	STUMP ROOT	ABOVE STUMP	COMPLETE TREE
					STEM			
3	0.3 / 0.2	0.7 / 0.4	2.5 / 1.3	1.1 / 0.6	3.5 / 1.9	4.6 / 2.5		
6	0.9 / 0.4	2.2 / 1.2	13.9 / 7.7	5.1 / 2.9	17 / 9.3	22.1 / 12.2		
9	1.7 / 0.6	4.2 / 2.4	38. / 21.	12.8 / 7.1	43.9 / 24	56.7 / 31.1		
12	2.7 / 0.9	6.8 / 3.8	78. / 44.	25. / 13.4	87.5 / 48.7	112.5 / 62.1		
15	3.9 / 1.1	9.7 / 5.5	136. / 78.	41. / 22.	149.6 / 84.6	190.6 / 106.6		
18	5.1 / 1.4	13.1 / 7.4	213. / 124.	62. / 33.	231.2 / 132.8	293.2 / 165.8		
21	6.6 / 1.7	16.8 / 9.5	313. / 183.	88. / 47.	336.4 / 194.2	424.4 / 241.2		
24	8.1 / 2.0	21. / 11.8	436. / 256.	119. / 63.	465.1 / 269.8	584.1 / 332.8		

REGRESSION COEFFICIENTS

EQUATION: LN(POUNDS) = B0 + B1(LN(INCHES))

KILOGRAMS = POUNDS \* 0.4536  
CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.99330600	1.36489600	2.26335200	2.29507900	0.99508000	0.99489000
ABOVE STUMP	1.74720000	1.09310000	2.26160000	2.31460000	0.99000000	0.00000000
LEAVES	-0.64343440	-1.24976400	1.56885100	1.22755100	0.92287000	0.81232000
BRANCHES	0.16948640	-0.39690960	1.62998800	1.62873200	0.91345000	0.89724000
STEM	1.28669700	0.65417760	2.48531000	2.52990300	0.99321000	0.99392000
STUMP-ROOT	0.47060280	-0.07580561	2.26959600	2.23140700	0.99507000	0.99505000

PIN CHERRY

DBH (IN.)	FRESH/		DRY		STUMP ROOT	WEIGHT: POUNDS		COMPLETE TREE
	NO. OF OBSERVATIONS: 30							
	LEAVES	BRANCHES	STEM	ABOVE STUMP				
1	0.8 / 0.3	1.2 / 0.5	3.5 / 1.8	1.6 / 0.9	5.5 / 2.6	7.1 / 3.5		
2	3.1 / 1.2	4.1 / 2.0	16.0 / 8.8	6.8 / 3.7	23.2 / 12	30 / 15.7		
3	6.8 / 2.8	8.6 / 4.4	39. / 22.	15.6 / 8.7	54.4 / 29.2	70 / 37.9		
4	11.7 / 5.0	14.6 / 7.7	73. / 43.	28. / 15.8	99.3 / 55.7	127.3 / 71.5		
5	17.9 / 7.9	22. / 11.7	119. / 72.	45. / 25.	158.9 / 91.6	203.9 / 116.6		
6	25. / 11.5	31. / 16.7	177. / 110.	65. / 37.	233 / 138.2	298 / 175.2		
7	34. / 15.8	41. / 22.	249. / 156.	89. / 51.	324 / 193.8	413 / 244.8		
8	44. / 21.	52. / 29.	333. / 213.	118. / 67.	429 / 263	547 / 330		
9	55. / 26.	65. / 36.	431. / 279.	150. / 86.	551 / 341	701 / 427		

REGRESSION COEFFICIENTS

EQUATION: LN(POUNDS) = B0 + B1(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.98802800	1.26671500	2.06863600	2.16567700	0.98764000	0.98926000
ABOVE STUMP	1.73700000	0.97580000	2.07080000	2.19480000	0.99000000	0.00000000
LEAVES	-0.18459560	-1.20785700	1.90738600	2.03796600	0.95134000	0.78344000
BRANCHES	0.14591230	-0.62594580	1.83025400	1.91965800	0.93692000	0.93200000
STEM	1.25834400	0.57936450	2.18803900	2.29877500	0.99117000	0.99112000
STUMP-ROOT	0.48263110	-0.12113950	2.06123700	2.08055300	0.98692000	0.98854000

PIN CHERRY

DBH (CM.)	FRESH/		DRY		STUMP ROOT	WEIGHT: KILOGRAMS		COMPLETE TREE
	NO. OF OBSERVATIONS: 30							
	LEAVES	BRANCHES	STEM	ABOVE STUMP				
3	0.5 / 0.2	0.7 / 0.3	2.3 / 1.2	1.0 / 0.6	3.5 / 1.7	4.5 / 2.3		
6	1.9 / 0.8	2.5 / 1.3	10.5 / 5.8	4.3 / 2.4	14.9 / 7.9	19.2 / 10.3		
9	4.2 / 1.8	5.3 / 2.8	25. / 14.8	10.0 / 5.6	34.5 / 19.4	44.5 / 25		
12	7.3 / 3.2	9.0 / 4.8	48. / 29.	18.0 / 10.2	64.3 / 37	82.3 / 47.2		
15	11.2 / 5.1	13.5 / 7.3	78. / 48.	29. / 16.2	102.7 / 60.4	131.7 / 76.6		
18	15.8 / 7.3	18.9 / 10.4	116. / 73.	42. / 24.	150.7 / 90.7	192.7 / 114.7		
21	21. / 10.0	25. / 14.0	162. / 104.	57. / 33.	208 / 128	265 / 161		
24	27. / 13.2	32. / 18.1	217. / 141.	75. / 43.	276 / 172.3	351 / 215.3		

REGRESSION COEFFICIENTS

EQUATION: LN(POUNDS) = B0 + B1(LN(INCHES))

KILOGRAMS = POUNDS \* 0.4536  
CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.98802800	1.26671500	2.06863600	2.16567700	0.98764000	0.98926000
ABOVE STUMP	1.73700000	0.97580000	2.07080000	2.19480000	0.99000000	0.00000000
LEAVES	-0.18459560	-1.20785700	1.90738600	2.03796600	0.95134000	0.78344000
BRANCHES	0.14591230	-0.62594580	1.83025400	1.91965800	0.93692000	0.93200000
STEM	1.25834400	0.57936450	2.18803900	2.29877500	0.99117000	0.99112000
STUMP-ROOT	0.48263110	-0.12113950	2.06123700	2.08055300	0.98692000	0.98854000

CHOKE CHERRY

WEIGHT: POUNDS  
NO. OF OBSERVATIONS: 15

DBH (IN.)	LEAVES		BRANCHES		FRESH/ DRY STEM		STUMP ROOT		ABOVE STUMP		COMPLETE TREE	
1	0.6 / 0.2	1.3 / 0.8	2.8 / 1.7	1.4 / 0.8	4.7 / 2.7	6.1 / 3.5						
2	1.5 / 0.6	3.2 / 1.8	11.0 / 6.6	4.6 / 2.8	15.7 / 9	20.3 / 11.8						
3	2.5 / 1.1	5.2 / 3.0	25. / 14.9	9.3 / 5.5	32.7 / 19	42 / 24.5						
4	3.5 / 1.6	7.4 / 4.2	44. / 26.	15.3 / 9.0	54.9 / 31.8	70.2 / 40.8						
5	4.7 / 2.1	9.7 / 5.5	68. / 41.	23. / 13.2	82.4 / 48.6	105.4 / 61.8						
6	5.9 / 2.7	12.2 / 6.8	98. / 59.	31. / 18.0	116.1 / 68.5	147.1 / 86.5						

REGRESSION COEFFICIENTS

EQUATION: LN(POUNDS) = 80 + 31(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.85371500	1.31144900	1.70745200	1.71016000	0.92434000	0.92031000
ABOVE STUMP	1.60920000	1.05390000	1.70020000	1.71020000	0.92000000	0.00000000
LEAVES	-0.49178320	-1.40997900	1.26616500	1.33561600	0.76001000	0.74868000
BRANCHES	0.29819490	-0.22144740	1.22888400	1.19317000	0.76072000	0.74155000
STEM	1.01934300	0.50914740	1.98981700	1.99359500	0.91832000	0.91820000
STUMP-ROOT	0.32504940	-0.17194010	1.73395900	1.71025900	0.93005000	0.92581000

CHOKE CHERRY

WEIGHT: KILOGRAMS  
NO. OF OBSERVATIONS: 16

DBH (CM.)	LEAVES		BRANCHES		FRESH/ DRY STEM		STUMP ROOT		ABOVE STUMP		COMPLETE TREE	
3	0.3 / 0.1	0.7 / 0.4	1.8 / 1.1	0.8 / 0.5	2.8 / 1.6	3.6 / 2.1						
6	0.8 / 0.3	1.8 / 1.0	7.0 / 4.2	2.8 / 1.7	9.6 / 5.5	12.4 / 7.2						
9	1.4 / 0.6	2.9 / 1.6	15.6 / 9.4	5.6 / 3.3	19.9 / 11.6	25.5 / 14.9						
12	2.0 / 0.9	4.1 / 2.3	28. / 16.7	9.3 / 5.4	34.1 / 19.9	43.4 / 25.3						
15	2.6 / 1.2	5.4 / 3.0	43. / 26.	13.7 / 8.0	51 / 30.2	64.7 / 38.2						

REGRESSION COEFFICIENTS

EQUATION: LN(POUNDS) = 80 + 31(LN(INCHES))

KILOGRAMS = POUNDS \* 0.4536  
CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.85371500	1.31144900	1.70745200	1.71016000	0.92434000	0.92031000
ABOVE STUMP	1.60920000	1.05390000	1.70020000	1.71020000	0.92000000	0.00000000
LEAVES	-0.49178320	-1.40997900	1.26616500	1.33561600	0.76001000	0.74868000
BRANCHES	0.29819490	-0.22144740	1.22888400	1.19317000	0.76072000	0.74155000
STEM	1.01934300	0.50914740	1.98981700	1.99359500	0.91832000	0.91820000
STUMP-ROOT	0.32504940	-0.17194010	1.73395900	1.71025900	0.93005000	0.92581000

WILLOW

WEIGHT: POUNDS  
NO. OF OBSERVATIONS: 30

DBH (IN.)	LEAVES		BRANCHES		FRESH/ DRY STEM		STUMP ROOT		ABOVE STUMP		COMPLETE TREE	
	---	---	---	---	---	---	---	---	---	---	---	---
1	0.8 / 0.3		1.1 / 0.7		2.3 / 1.3		1.3 / 0.7		4.2 / 2.3		5.5 / 3	
2	2.6 / 1.0		3.7 / 2.1		12.3 / 6.4		5.5 / 3.1		18.6 / 9.5		24.1 / 12.6	
3	5.2 / 2.0		7.7 / 4.2		33. / 16.6		13.2 / 7.4		45.9 / 22.8		59.1 / 30.2	
4	8.5 / 3.3		12.8 / 6.7		66. / 32.		24. / 13.6		87.3 / 42		111.3 / 55.6	
5	12.5 / 4.9		19.0 / 9.6		113. / 55.		39. / 22.		144.5 / 69.5		183.5 / 91.5	
6	17.0 / 6.6		26. / 13.0		176. / 84.		58. / 32.		219 / 103.6		277 / 135.6	
7	22. / 8.6		34. / 16.8		255. / 120.		80. / 45.		311 / 145.4		391 / 190.4	
8	28. / 10.8		44. / 21.		353. / 163.		107. / 59.		425 / 194.8		532 / 253.8	
9	34. / 13.1		54. / 25.		469. / 215.		137. / 76.		557 / 253.1		694 / 329.1	

REGRESSION COEFFICIENTS

EQUATION: LN(POUNDS) = B0 + B1(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.78166500	1.14450100	2.10990400	2.07159600	0.96698000	0.96143000
ABOVE STUMP	1.54120000	0.88560000	2.10430000	2.05520000	0.96000000	0.00000000
LEAVES	-0.22576440	-1.14277500	1.70744800	1.69210100	0.81789000	0.81258000
BRANCHES	0.08543243	-0.39098130	1.77557400	1.65143400	0.83488000	0.87393000
STEM	0.83245950	0.24657880	2.42035300	2.33210600	0.96655000	0.95515000
STUMP-ROOT	0.23342530	-0.33755430	2.13401300	2.12583200	0.97272000	0.97147000

WILLOW

WEIGHT: KILOGRAMS  
NO. OF OBSERVATIONS: 30

DBH (CM.)	LEAVES		BRANCHES		FRESH/ DRY STEM		STUMP ROOT		ABOVE STUMP		COMPLETE TREE	
	---	---	---	---	---	---	---	---	---	---	---	---
3	0.5 / 0.2		0.7 / 0.4		1.6 / 0.9		0.8 / 0.5		2.8 / 1.5		3.6 / 2	
6	1.6 / 0.6		2.3 / 1.3		8.4 / 4.3		3.6 / 2.0		12.3 / 6.2		15.9 / 8.2	
9	3.1 / 1.2		4.7 / 2.5		22. / 11.1		8.5 / 4.8		29.8 / 14.8		38.3 / 19.6	
12	5.1 / 2.0		7.8 / 4.0		45. / 22.		15.7 / 8.8		57.9 / 28		73.6 / 36.8	
15	7.5 / 2.9		11.6 / 5.8		77. / 37.		25. / 14.1		96.1 / 45.7		121.1 / 59.8	
18	10.2 / 4.0		16.0 / 7.8		119. / 56.		37. / 21.		145.2 / 67.8		182.2 / 88.8	
21	13.3 / 5.2		21. / 10.0		173. / 80.		52. / 29.		207.3 / 95.2		259.3 / 124.2	
24	16.8 / 6.5		27. / 12.5		239. / 109.		69. / 38.		282.8 / 128		351.8 / 166	

REGRESSION COEFFICIENTS

EQUATION: LN(POUNDS) = B0 + B1(LN(INCHES))

KILOGRAMS = POUNDS \* 0.4536  
CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.78166500	1.14450100	2.10990400	2.07159600	0.96698000	0.96143000
ABOVE STUMP	1.54120000	0.88560000	2.10430000	2.05520000	0.96000000	0.00000000
LEAVES	-0.22576440	-1.14277500	1.70744800	1.69210100	0.81789000	0.81258000
BRANCHES	0.08543243	-0.39098130	1.77557400	1.65143400	0.83488000	0.87393000
STEM	0.83245950	0.24657880	2.42035300	2.33210600	0.96655000	0.95515000
STUMP-ROOT	0.23342530	-0.33755430	2.13401300	2.12583200	0.97272000	0.97147000

ALDER

WEIGHT: POUNDS  
NO. OF OBSERVATIONS: 30

DBH (IN.)	LEAVES		BRANCHES		STEM		STUMP ROOT		ABOVE STUMP		COMPLETE TREE	
	FRESH	DRY	FRESH	DRY	FRESH	DRY	FRESH	DRY	FRESH	DRY	FRESH	DRY
1	0.9 / 0.3	1.1 / 0.6	2.3 / 1.1	1.2 / 0.7	4.3 / 2	5.5 / 2.7						
2	2.1 / 0.8	3.2 / 1.6	12.4 / 6.7	5.4 / 2.9	17.7 / 9.1	23.1 / 12						
3	3.4 / 1.3	5.8 / 3.0	33. / 19.1	12.8 / 6.9	42.2 / 23.4	55 / 30.3						

REGRESSION COEFFICIENTS

EQUATION: LN(POUNDS) = 30 + B1(LN(INCHES))

COMPONENT	30		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.71488200	1.01033500	2.07465700	2.18783000	0.97432000	0.96686000
ABOVE STUMP	1.40880000	0.71640000	2.00440000	2.20870000	0.81000000	0.00000000
LEAVES	-0.12631900	-1.10482400	1.24168400	1.22740400	0.83506000	0.80205000
BRANCHES	0.11375410	-0.57856350	1.49651800	1.52005800	0.87576000	0.87921000
STEM	0.84606330	0.11787260	2.41281900	2.57554200	0.95976000	0.96650000
STUMP-ROOT	0.22251520	-0.37320510	2.11550500	2.09552600	0.92524000	0.92411000

ALDER

WEIGHT: KILOGRAMS  
NO. OF OBSERVATIONS: 30

DBH (CM.)	LEAVES		BRANCHES		STEM		STUMP ROOT		ABOVE STUMP		COMPLETE TREE	
	FRESH	DRY	FRESH	DRY	FRESH	DRY	FRESH	DRY	FRESH	DRY	FRESH	DRY
3	0.5 / 0.2	0.7 / 0.3	1.6 / 0.8	0.8 / 0.4	2.8 / 1.3	3.6 / 1.7						
6	1.2 / 0.4	1.8 / 0.9	8.4 / 4.7	3.5 / 1.9	11.4 / 6	14.9 / 7.9						
9	1.9 / 0.7	3.4 / 1.7	22. / 13.3	8.2 / 4.4	27.3 / 15.7	35.5 / 20.1						

REGRESSION COEFFICIENTS

EQUATION: LN(POUNDS) = 30 + B1(LN(INCHES))

KILOGRAMS = POUNDS \* 0.4536  
CENTIMETERS = INCHES \* 2.54

COMPONENT	30		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.71488200	1.01033500	2.07465700	2.18783000	0.97432000	0.96686000
ABOVE STUMP	1.40880000	0.71640000	2.00440000	2.20870000	0.81000000	0.00000000
LEAVES	-0.12631900	-1.10482400	1.24168400	1.22740400	0.83506000	0.80205000
BRANCHES	0.11375410	-0.57856350	1.49651800	1.52005800	0.87576000	0.87921000
STEM	0.84606330	0.11787260	2.41281900	2.57554200	0.95976000	0.96650000
STUMP-ROOT	0.22251520	-0.37320510	2.11550500	2.09552600	0.92524000	0.92411000



**Tables for Tree and Shrub Species  
1-4 ft. or 30-120 cm in height**

SPRUCE

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 13

DBH (IN.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.1	624.	824.	324.	410.
.2	1254.	1658.	647.	812.
.3	1910.	2496.	970.	1211.
.4	2560.	3336.	1291.	1609.
.5	3213.	4179.	1613.	2005.
.6	3869.	5023.	1935.	2400.
.7	4527.	5869.	2256.	2794.
.8	5187.	6715.	2577.	3188.
.9	5848.	7563.	2898.	3580.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	9.03735500	8.28710700	1.00920100	0.98631420	0.94829000	0.95264000
ABOVE STUMP	8.78117100	8.07674600	1.01867600	0.99665740	0.94263000	0.94889000

SPRUCE

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 13

DBH (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.3	739.	974.	383.	483.
.6	1497.	1961.	764.	957.
.9	2263.	2952.	1144.	1428.
1.2	3033.	3947.	1524.	1896.
1.5	3807.	4943.	1904.	2363.
1.8	4584.	5942.	2284.	2828.
2.1	5364.	6942.	2663.	3293.
2.4	6145.	7944.	3042.	3756.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))      CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	9.03735500	8.28710700	1.00920100	0.98631420	0.94829000	0.95264000
ABOVE STUMP	8.78117100	8.07674600	1.01867600	0.99665740	0.94263000	0.94889000

BALSAM FIR

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 9

DBH (IN.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.1	803.	1030.	400.	498.
.2	1218.	1561.	606.	754.
.3	1553.	1991.	773.	962.
.4	1846.	2367.	919.	1143.
.5	2111.	2706.	1051.	1307.
.6	2355.	3019.	1173.	1458.
.7	2583.	3311.	1286.	1500.
.8	2798.	3588.	1394.	1733.
.9	3004.	3851.	1496.	1860.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	8.31925300	7.59150700	0.60031920	0.60002862	0.88566000	0.88565000
ABOVE STUMP	8.07078400	7.37363200	0.60031060	0.60028150	0.88565000	0.88565000

BALSAM FIR

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 9

DBH (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.3	888.	1138.	442.	550.
.6	1346.	1725.	670.	834.
.9	1716.	2200.	855.	1063.
1.2	2040.	2615.	1016.	1263.
1.5	2332.	2990.	1161.	1444.
1.8	2602.	3336.	1296.	1611.
2.1	2854.	3659.	1421.	1768.
2.4	3093.	3965.	1540.	1915.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))      CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	8.31925300	7.59150700	0.60031920	0.60002862	0.88566000	0.88565000
ABOVE STUMP	8.07078400	7.37363200	0.60031060	0.60028150	0.88565000	0.88565000

WHITE PINE

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 8

DBH (IN.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.1	971.	1245.	406.	525.
.2	1419.	1819.	593.	767.
.3	1771.	2270.	740.	958.
.4	2072.	2657.	866.	1121.
.5	2341.	3002.	979.	1267.
.6	2587.	3317.	1081.	1400.
.7	2814.	3608.	1176.	1523.
.8	3028.	3882.	1266.	1638.
.9	3229.	4140.	1350.	1747.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	8.38602200	7.52329300	0.54686630	0.54688170	0.79644000	0.79648000
ABOVE STUMP	8.13755800	7.26525300	0.54685900	0.54682770	0.79644000	0.79640000

WHITE PINE

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 8

DBH (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.3	1064.	1364.	445.	575.
.6	1554.	1992.	649.	841.
.9	1939.	2487.	811.	1049.
1.2	2270.	2910.	949.	1228.
1.5	2565.	3288.	1072.	1387.
1.8	2833.	3633.	1184.	1533.
2.1	3083.	3952.	1288.	1668.
2.4	3316.	4251.	1386.	1794.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))      CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	8.38602200	7.52329300	0.54686630	0.54688170	0.79644000	0.79648000
ABOVE STUMP	8.13755800	7.26525300	0.54685900	0.54682770	0.79644000	0.79640000

HEMLOCK

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 11

DBH (IN.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.1	412.	528.	201.	261.
.2	669.	858.	327.	424.
.3	889.	1140.	434.	563.
.4	1087.	1394.	531.	689.
.5	1271.	1630.	620.	805.
.6	1445.	1852.	705.	915.
.7	1609.	2063.	785.	1019.
.8	1767.	2265.	862.	1119.
.9	1919.	2460.	936.	1215.

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{INCHES}))$

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	7.88178800	7.17652300	0.70031440	0.70027650	0.84555000	0.84551000
ABOVE STUMP	7.63335600	6.91590200	0.70034690	0.70031560	0.84560000	0.84558000

HEMLOCK

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 11

DBH (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.3	463.	593.	226.	293.
.6	752.	964.	367.	476.
.9	999.	1281.	488.	633.
1.2	1222.	1567.	596.	774.
1.5	1429.	1832.	697.	905.
1.8	1623.	2081.	792.	1028.
2.1	1808.	2318.	882.	1145.
2.4	1986.	2546.	969.	1257.

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{INCHES}))$       CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	7.88178800	7.17652300	0.70031440	0.70027650	0.84555000	0.84551000
ABOVE STUMP	7.63335600	6.91590200	0.70034690	0.70031560	0.84560000	0.84558000

NORTHERN WHITE CEDAR

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 8

DBH (IN.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.1	839.	1075.	418.	569.
.2	1166.	1495.	581.	769.
.3	1414.	1813.	704.	916.
.4	1621.	2079.	807.	1037.
.5	1803.	2311.	898.	1143.
.6	1966.	2521.	979.	1237.
.7	2116.	2712.	1054.	1322.
.8	2254.	2990.	1123.	1401.
.9	2384.	3057.	1187.	1474.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	8.07523200	7.34123500	0.47552700	0.43290430	0.87471000	0.84367000
ABOVE STUMP	7.82677200	7.12959700	0.47553420	0.47551990	0.87471000	0.87470000

NORTHERN WHITE CEDAR

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 8

DBH (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.3	908.	1164.	452.	612.
.6	1262.	1618.	629.	826.
.9	1531.	1962.	762.	984.
1.2	1755.	2250.	874.	1115.
1.5	1951.	2502.	972.	1228.
1.8	2128.	2728.	1060.	1329.
2.1	2290.	2936.	1140.	1421.
2.4	2440.	3128.	1215.	1505.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))      CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	8.07523200	7.34123500	0.47552700	0.43290430	0.87471000	0.84367000
ABOVE STUMP	7.82677200	7.12959700	0.47553420	0.47551990	0.87471000	0.87470000

LARCH

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 15

DBH (IN.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.1	211.	300.	90.	128.
.2	464.	640.	186.	256.
.3	737.	997.	285.	383.
.4	1024.	1365.	386.	510.
.5	1320.	1742.	488.	638.
.6	1625.	2126.	592.	765.
.7	1938.	2516.	696.	892.
.8	2256.	2911.	801.	1019.
.9	2581.	3311.	906.	1146.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	8.22016500	7.14878200	1.09240600	0.99712120	0.96593000	0.94758000
ABOVE STUMP	7.97598800	6.91990400	1.14027300	1.05133000	0.97098000	0.95645000

LARCH

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 15

DBH (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.3	255.	360.	107.	151.
.6	561.	768.	222.	302.
.9	892.	1196.	340.	452.
1.2	1238.	1638.	460.	603.
1.5	1596.	2090.	582.	753.
1.8	1965.	2550.	705.	903.
2.1	2343.	3018.	829.	1053.
2.4	2728.	3492.	954.	1203.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))      CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	8.22016500	7.14878200	1.09240600	0.99712120	0.96593000	0.94758000
ABOVE STUMP	7.97598800	6.91990400	1.14027300	1.05133000	0.97098000	0.95645000

YELLOW BIRCH

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 11

DBH (IN.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.1	97.	127.	51.	67.
.2	270.	347.	140.	181.
.3	490.	624.	253.	325.
.4	747.	948.	385.	492.
.5	1038.	1310.	534.	679.
.6	1357.	1707.	696.	884.
.7	1702.	2135.	872.	1103.
.8	2071.	2591.	1059.	1338.
.9	2463.	3074.	1258.	1585.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	8.18361200	7.52030400	1.45109900	1.44156300	0.98088000	0.97853000
ABOVE STUMP	7.96388500	7.29086700	1.47025100	1.45853600	0.98011000	0.97745000

YELLOW BIRCH

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 11

DBH (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.3	124.	161.	65.	85.
.6	345.	441.	179.	230.
.9	625.	795.	323.	413.
1.2	955.	1207.	491.	626.
1.5	1325.	1668.	680.	864.
1.8	1733.	2173.	888.	1123.
2.1	2174.	2718.	1111.	1403.
2.4	2645.	3299.	1350.	1700.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))      CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	8.18361200	7.52030400	1.45109900	1.44156300	0.98088000	0.97853000
ABOVE STUMP	7.96388500	7.29086700	1.47025100	1.45853600	0.98011000	0.97745000



WHITE BIRCH

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 9

DBH (IN.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.1	79.	102.	39.	50.
.2	233.	299.	114.	147.
.3	439.	562.	214.	276.
.4	636.	880.	336.	432.
.5	972.	1246.	475.	612.
.6	1291.	1655.	631.	813.
.7	1641.	2104.	802.	1033.
.8	2020.	2590.	988.	1272.
.9	2427.	3112.	1187.	1528.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	8.20703700	7.49564600	1.55746100	1.55730900	0.97627000	0.97627000
ABOVE STUMP	7.95861500	7.24332600	1.55753000	1.55779800	0.97629000	0.97631000

WHITE BIRCH

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 9

DBH (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.3	103.	132.	50.	65.
.6	302.	387.	148.	190.
.9	568.	729.	278.	358.
1.2	890.	1140.	435.	560.
1.5	1259.	1614.	616.	793.
1.8	1673.	2145.	818.	1053.
2.1	2127.	2726.	1040.	1339.
2.4	2618.	3357.	1281.	1648.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))      CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	8.20703700	7.49564600	1.55746100	1.55730900	0.97627000	0.97627000
ABOVE STUMP	7.95861500	7.24332600	1.55753000	1.55779800	0.97629000	0.97631000

GRAY BIRCH

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 12

DBH (IN.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.1	185.	240.	98.	122.
.2	381.	496.	203.	255.
.3	580.	758.	313.	392.
.4	782.	1025.	424.	533.
.5	986.	1295.	537.	676.
.6	1191.	1567.	652.	821.
.7	1398.	1842.	768.	967.
.8	1606.	2118.	885.	1115.
.9	1815.	2396.	1002.	1264.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	7.89195800	7.25453900	1.04738900	1.06520600	0.97109000	0.96864000
ABOVE STUMP	7.61318900	7.02164700	1.03842100	1.06014500	0.96765000	0.96129000

GRAY BIRCH

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 12

DBH (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.3	220.	286.	116.	145.
.6	452.	590.	243.	304.
.9	689.	903.	373.	463.
1.2	929.	1220.	506.	636.
1.5	1172.	1541.	641.	807.
1.8	1416.	1865.	779.	980.
2.1	1662.	2192.	916.	1156.
2.4	1909.	2521.	1055.	1332.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))      CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	7.39195300	7.25453900	1.04738900	1.06520600	0.97109000	0.96864000
ABOVE STUMP	7.61318900	7.02164700	1.03842100	1.06014500	0.96765000	0.96129000

BEECH

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 14

DBH (IN.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.1	161.	200.	87.	108.
.2	382.	486.	208.	265.
.3	633.	817.	347.	446.
.4	907.	1181.	498.	645.
.5	1199.	1571.	659.	860.
.6	1506.	1984.	829.	1087.
.7	1826.	2417.	1006.	1325.
.8	2157.	2868.	1190.	1573.
.9	2499.	3335.	1380.	1830.

## REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	8.24725200	7.64782400	1.28064800	1.28607600	0.98148000	0.97963000
ABOVE STUMP	7.95523300	7.36242100	1.24932900	1.25670600	0.98195000	0.98074000

BEECH

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 14

DBH (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.3	198.	248.	108.	134.
.6	470.	601.	257.	328.
.9	780.	1011.	428.	552.
1.2	1117.	1461.	614.	799.
1.5	1476.	1944.	813.	1065.
1.8	1854.	2456.	1022.	1346.
2.1	2248.	2992.	1241.	1641.
2.4	2656.	3550.	1467.	1949.

## REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))      CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	8.24725200	7.64782400	1.28064800	1.28607600	0.98148000	0.97963000
ABOVE STUMP	7.95523300	7.36242100	1.24932900	1.25670600	0.98195000	0.98074000

## SUGAR MAPLE

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 13

DBH (IN.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.1	153.	192.	88.	109.
.2	349.	446.	199.	253.
.3	564.	731.	321.	414.
.4	793.	1036.	451.	586.
.5	1033.	1359.	588.	769.
.6	1282.	1696.	729.	959.
.7	1539.	2045.	875.	1156.
.8	1803.	2406.	1024.	1359.
.9	2073.	2776.	1177.	1567.

## REGRESSION COEFFICIENTS

EQUATION:  $\text{LN}(\text{GRAMS}) = B_0 + B_1(\text{LN}(\text{INCHES}))$ 

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	8.05670600	7.48493500	1.21500800	1.21227300	0.93757000	0.93948000
ABOVE STUMP	7.76167200	7.19566600	1.18483000	1.18266700	0.94216000	0.94350000

## SUGAR MAPLE

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 13

DBH (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.3	187.	235.	107.	134.
.6	425.	546.	242.	310.
.9	687.	894.	391.	506.
1.2	966.	1269.	549.	718.
1.5	1258.	1664.	715.	941.
1.8	1562.	2076.	887.	1173.
2.1	1875.	2504.	1065.	1414.
2.4	2196.	2945.	1247.	1663.

## REGRESSION COEFFICIENTS

EQUATION:  $\text{LN}(\text{GRAMS}) = B_0 + B_1(\text{LN}(\text{INCHES}))$       CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	8.05670600	7.48493500	1.21500800	1.21227300	0.93757000	0.93948000
ABOVE STUMP	7.76167200	7.19566600	1.18483000	1.18266700	0.94216000	0.94350000

RED MAPLE

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 8

DBH (IN.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.1	97.	124.	53.	67.
.2	257.	329.	139.	178.
.3	454.	582.	247.	314.
.4	680.	872.	369.	471.
.5	931.	1193.	505.	644.
.6	1202.	1541.	653.	832.
.7	1493.	1914.	811.	1034.
.8	1801.	2309.	978.	1247.
.9	2125.	2724.	1154.	1471.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	8.05803000	7.44179200	1.40491300	1.40476600	0.98423000	0.98423000
ABOVE STUMP	7.80960600	7.19895700	1.40499300	1.40496800	0.98423000	0.98424000

RED MAPLE

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 8

DBH (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.3	123.	157.	67.	85.
.6	324.	416.	176.	225.
.9	574.	735.	311.	397.
1.2	859.	1102.	467.	595.
1.5	1176.	1507.	638.	814.
1.8	1519.	1947.	825.	1052.
2.1	1886.	2418.	1024.	1306.
2.4	2275.	2917.	1236.	1575.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))      CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	8.05803000	7.44179200	1.40491300	1.40476600	0.98423000	0.98423000
ABOVE STUMP	7.80960600	7.19895700	1.40499300	1.40496800	0.98423000	0.98424000

STRIPED MAPLE

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 12

DBH (IN.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.1	63.	80.	31.	40.
.2	197.	252.	97.	125.
.3	384.	492.	189.	244.
.4	617.	792.	304.	393.
.5	891.	1146.	439.	568.
.6	1203.	1549.	593.	768.
.7	1550.	1998.	765.	991.
.8	1931.	2491.	953.	1236.
.9	2345.	3027.	1157.	1502.

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{INCHES}))$

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	8.18934300	7.48889400	1.65278500	1.65463600	0.98296000	0.97977000
ABOVE STUMP	7.93342000	7.22695900	1.64644900	1.64779600	0.98360000	0.98164000

STRIPED MAPLE

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 12

DBH (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.3	83.	106.	41.	52.
.6	259.	332.	128.	164.
.9	505.	648.	249.	321.
1.2	811.	1043.	400.	517.
1.5	1172.	1508.	578.	748.
1.8	1582.	2039.	780.	1011.
2.1	2039.	2631.	1006.	1305.
2.4	2540.	3280.	1253.	1628.

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{INCHES}))$       CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	8.18934300	7.48889400	1.65278500	1.65463600	0.98296000	0.97977000
ABOVE STUMP	7.93342000	7.22695900	1.64644900	1.64779600	0.98360000	0.98164000

## MOUNTAIN MAPLE

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 10

DBH (IN.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.1	85.	104.	47.	56.
.2	239.	302.	132.	164.
.3	436.	564.	241.	306.
.4	668.	878.	370.	477.
.5	931.	1239.	515.	673.
.6	1221.	1641.	675.	891.
.7	1535.	2082.	848.	1130.
.8	1872.	2558.	1034.	1389.
.9	2230.	3067.	1232.	1666.

## REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{INCHES}))$ 

COMPONENT	B <sub>0</sub>		B <sub>1</sub>		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	8.19095500	7.58057600	1.54189600	1.54305800	0.96691000	0.96677000
ABOVE STUMP	7.86625600	7.27232200	1.48560800	1.48353900	0.96542000	0.96498000

## MOUNTAIN MAPLE

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 10

DBH (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.3	109.	134.	61.	73.
.6	306.	390.	169.	211.
.9	558.	729.	309.	395.
1.2	856.	1135.	473.	616.
1.5	1192.	1602.	659.	869.
1.8	1563.	2122.	864.	1152.
2.1	1966.	2691.	1086.	1461.
2.4	2397.	3306.	1324.	1796.

## REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{INCHES}))$       CENTIMETERS = INCHES \* 2.54

COMPONENT	B <sub>0</sub>		B <sub>1</sub>		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	8.19095500	7.58057600	1.54189600	1.54305800	0.96691000	0.96677000
ABOVE STUMP	7.86625600	7.27232200	1.48560800	1.48353900	0.96542000	0.96498000

RED OAK

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 14

DBH (IN.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.1	245.	296.	133.	158.
.2	498.	620.	269.	327.
.3	755.	956.	407.	500.
.4	1013.	1299.	546.	676.
.5	1274.	1649.	686.	855.
.6	1535.	2003.	827.	1035.
.7	1798.	2361.	968.	1217.
.8	2062.	2723.	1109.	1399.
.9	2326.	3088.	1251.	1583.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	8.14767700	7.47789200	1.06754500	1.04894100	0.94271000	0.94381000
ABOVE STUMP	7.85984700	7.23946500	1.02446500	1.02155200	0.94720000	0.94923000

RED OAK

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 14

DBH (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.3	290.	353.	157.	188.
.6	591.	740.	319.	389.
.9	895.	1141.	483.	596.
1.2	1202.	1552.	648.	805.
1.5	1511.	1969.	814.	1018.
1.8	1821.	2392.	980.	1232.
2.1	2132.	2820.	1147.	1449.
2.4	2445.	3252.	1315.	1666.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES)) CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	8.14767700	7.47789200	1.06754500	1.04894100	0.94271000	0.94381000
ABOVE STUMP	7.85984700	7.23946500	1.02446500	1.02155200	0.94720000	0.94923000



BASSWOOD

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 11

DBH (IN.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.1	111.	136.	47.	55.
.2	259.	328.	109.	133.
.3	425.	551.	179.	222.
.4	604.	795.	254.	321.
.5	793.	1057.	334.	427.
.6	991.	1334.	417.	539.
.7	1197.	1624.	504.	656.
.8	1409.	1926.	593.	778.
.9	1628.	2239.	685.	904.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	7.84811000	6.94187800	1.27642800	1.27668300	0.92197000	0.92399000
ABOVE STUMP	7.52385300	6.65846100	1.22302700	1.22298500	0.91407000	0.91417000

BASSWOOD

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 11

DBH (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.3	136.	168.	57.	68.
.6	317.	406.	133.	164.
.9	521.	681.	219.	275.
1.2	740.	983.	312.	397.
1.5	972.	1307.	409.	528.
1.8	1215.	1650.	511.	667.
2.1	1467.	2009.	618.	812.
2.4	1728.	2382.	727.	962.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))      CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	7.84811000	6.94187800	1.27642800	1.27668300	0.92197000	0.92399000
ABOVE STUMP	7.52385300	6.65846100	1.22302700	1.22298500	0.91407000	0.91417000

WHITE ASH

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 12

DBH (IN.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.1	100.	129.	52.	65.
.2	256.	338.	135.	172.
.3	444.	593.	236.	304.
.4	655.	885.	350.	455.
.5	885.	1207.	476.	623.
.6	1132.	1556.	611.	805.
.7	1395.	1928.	754.	999.
.8	1671.	2321.	906.	1205.
.9	1959.	2734.	1065.	1421.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	8.06009900	7.40731300	1.39074700	1.40349100	0.95994000	0.95525000
ABOVE STUMP	7.72268600	7.11480100	1.35191500	1.37072500	0.95932000	0.94848000

WHITE ASH

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 12

DBH (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.3	126.	162.	66.	82.
.6	321.	426.	170.	217.
.9	556.	748.	297.	384.
1.2	820.	1116.	440.	575.
1.5	1108.	1522.	598.	787.
1.8	1418.	1961.	767.	1016.
2.1	1747.	2430.	948.	1262.
2.4	2092.	2926.	1138.	1522.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))      CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	8.06009900	7.40731300	1.39074700	1.40349100	0.95994000	0.95525000
ABOVE STUMP	7.72268600	7.11480100	1.35191500	1.37072500	0.95932000	0.94848000

## BLACK ASH

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

DBH (IN.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.1	45.	79.	19.0	31.
.2	141.	232.	63.	98.
.3	272.	437.	128.	192.
.4	434.	684.	212.	310.
.5	625.	968.	312.	450.
.6	841.	1287.	428.	609.
.7	1081.	1636.	559.	786.
.8	1343.	2015.	705.	982.
.9	1628.	2421.	866.	1194.

## REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	7.95622800	7.25998300	1.55923500	1.66131500	0.99926000	0.99332000
ABOVE STUMP	7.56644800	6.94653700	1.62861600	1.73770500	0.98863000	0.98079000

## BLACK ASH

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

DBH (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.3	60.	102.	25.	41.
.6	184.	301.	85.	129.
.9	357.	566.	171.	254.
1.2	570.	886.	282.	409.
1.5	819.	1255.	416.	593.
1.8	1103.	1668.	571.	803.
2.1	1417.	2121.	747.	1037.
2.4	1762.	2612.	942.	1294.

## REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))      CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	7.95622800	7.25998300	1.55923500	1.66131500	0.99926000	0.99332000
ABOVE STUMP	7.56644800	6.94653700	1.62861600	1.73770500	0.98863000	0.98079000

ASPEN

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 10

DBH (IN.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.1	124.	159.	54.	72.
.2	275.	353.	121.	160.
.3	440.	564.	193.	256.
.4	613.	785.	269.	357.
.5	792.	1016.	348.	461.
.6	978.	1253.	429.	569.
.7	1168.	1497.	513.	680.
.8	1362.	1746.	598.	793.
.9	1560.	2000.	685.	908.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	7.72256800	6.93296500	1.15296500	1.15285200	0.98079000	0.98079000
ABOVE STUMP	7.47412700	6.65083400	1.15301900	1.15294300	0.98080000	0.98080000

ASPEN

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 10

DBH (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.3	150.	192.	66.	87.
.6	334.	428.	147.	194.
.9	533.	683.	234.	310.
1.2	742.	951.	326.	432.
1.5	960.	1231.	421.	559.
1.8	1184.	1519.	520.	689.
2.1	1415.	1814.	621.	824.
2.4	1650.	2116.	724.	961.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))      CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	7.72256800	6.93296500	1.15296500	1.15285200	0.98079000	0.98079000
ABOVE STUMP	7.47412700	6.65083400	1.15301900	1.15294300	0.98080000	0.98080000

PIN CHERRY

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 13

DBH (IN.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.1	99.	127.	54.	68.
.2	247.	314.	133.	166.
.3	420.	535.	225.	280.
.4	613.	779.	328.	407.
.5	822.	1044.	439.	543.
.6	1044.	1326.	557.	688.
.7	1278.	1622.	681.	839.
.8	1523.	1932.	811.	998.
.9	1778.	2254.	946.	1162.

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{INCHES}))$

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	7.85846500	7.19472200	1.30948400	1.29521200	0.97313000	0.97545000
ABOVE STUMP	7.62141400	6.99015900	1.31299400	1.30661200	0.97137000	0.97320000

PIN CHERRY

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 13

DBH (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.3	124.	158.	67.	84.
.6	307.	391.	165.	206.
.9	523.	665.	280.	348.
1.2	763.	969.	408.	504.
1.5	1022.	1298.	546.	674.
1.8	1299.	1648.	692.	853.
2.1	1590.	2017.	847.	1041.
2.4	1895.	2402.	1008.	1238.

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{INCHES}))$       CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	7.85846500	7.19472200	1.30948400	1.29521200	0.97313000	0.97545000
ABOVE STUMP	7.62141400	6.99015900	1.31299400	1.30661200	0.97137000	0.97320000

CHOKO CHERRY

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 10

DBH (IN.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.1	136.	173.	72.	93.
.2	321.	410.	173.	220.
.3	533.	679.	288.	365.
.4	763.	971.	413.	523.
.5	1007.	1283.	547.	690.
.6	1264.	1610.	688.	867.
.7	1532.	1951.	835.	1051.
.8	1809.	2304.	987.	1241.
.9	2095.	2668.	1145.	1438.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	8.02025500	7.40248400	1.24588100	1.24827300	0.94471000	0.94374000
ABOVE STUMP	7.77881400	7.17515800	1.24630600	1.25663200	0.94855000	0.94714000

CHOKO CHERRY

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 10

DBH (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.3	167.	212.	89.	114.
.6	396.	504.	213.	271.
.9	656.	835.	355.	449.
1.2	938.	1195.	509.	643.
1.5	1239.	1578.	674.	850.
1.8	1556.	1981.	848.	1067.
2.1	1885.	2400.	1029.	1293.
2.4	2226.	2834.	1217.	1528.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))      CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	8.02025500	7.40248400	1.24588100	1.24827300	0.94471000	0.94374000
ABOVE STUMP	7.77881400	7.17515800	1.24630600	1.25663200	0.94855000	0.94714000

WILLOW

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 9

DBH (IN.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.1	93.	119.	50.	65.
.2	251.	322.	136.	176.
.3	450.	577.	244.	316.
.4	681.	873.	370.	478.
.5	939.	1203.	510.	659.
.6	1220.	1564.	663.	857.
.7	1523.	1953.	827.	1070.
.8	1846.	2367.	1002.	1297.
.9	2187.	2804.	1183.	1537.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	8.09046300	7.48897000	1.43932100	1.43934300	0.96433000	0.96434000
ABOVE STUMP	7.84199900	7.23135700	1.43929600	1.43923700	0.96432000	0.96435000

WILLOW

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 9

DBH (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.3	118.	151.	64.	83.
.6	319.	409.	173.	224.
.9	572.	733.	310.	402.
1.2	865.	1109.	470.	608.
1.5	1193.	1529.	648.	838.
1.8	1551.	1988.	842.	1089.
2.1	1936.	2482.	1051.	1360.
2.4	2346.	3007.	1274.	1648.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES)) CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	8.09046300	7.48897000	1.43932100	1.43934300	0.96433000	0.96434000
ABOVE STUMP	7.84199900	7.23135700	1.43929600	1.43923700	0.96432000	0.96435000

ALDER

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 8

DBH (IN.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.1	111.	143.	53.	71.
.2	274.	352.	131.	175.
.3	465.	596.	222.	296.
.4	676.	866.	323.	431.
.5	903.	1158.	432.	576.
.6	1145.	1468.	547.	729.
.7	1399.	1794.	669.	891.
.8	1664.	2134.	795.	1060.
.9	1939.	2487.	927.	1236.

## REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	7.95577700	7.25654300	1.30028200	1.30021900	0.98810000	0.98807000
ABOVE STUMP	7.70705200	6.96885400	1.30005200	1.29989000	0.98810000	0.98811000

ALDER

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 8

DBH (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.3	138.	177.	66.	88.
.6	341.	437.	163.	217.
.9	577.	740.	276.	368.
1.2	839.	1076.	401.	535.
1.5	1121.	1438.	536.	715.
1.8	1421.	1823.	679.	906.
2.1	1737.	2227.	830.	1107.
2.4	2066.	2649.	987.	1317.

## REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(INCHES))      CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	7.95577700	7.25654300	1.30028200	1.30021900	0.98810000	0.98807000
ABOVE STUMP	7.70705200	6.96885400	1.30005200	1.29989000	0.98810000	0.98811000



SUMAC

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 7

DBH (IN.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.1	44.	66.	22.	30.
.2	123.	180.	62.	83.
.3	224.	322.	114.	150.
.4	343.	487.	176.	229.
.5	477.	672.	246.	317.
.6	624.	873.	324.	414.
.7	784.	1090.	409.	519.
.8	956.	1321.	500.	631.
.9	1138.	1565.	597.	750.

## REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = 90 + B1(LN(INCHES))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	7.50736800	6.77409800	1.43905800	1.46460100	0.92688000	0.92030000
ABOVE STUMP	7.19275100	6.55156000	1.48006400	1.50868500	0.93849000	0.93118000

SUMAC

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 7

DBH (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
.3	56.	84.	28.	38.
.6	157.	228.	79.	106.
.9	286.	409.	146.	191.
1.2	438.	619.	226.	292.
1.5	610.	854.	316.	405.
1.8	799.	1110.	417.	528.
2.1	1003.	1385.	526.	662.
2.4	1223.	1679.	643.	805.

## REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = 30 + B1(LN(INCHES))      CENTIMETERS = INCHES \* 2.54

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	7.50736800	6.77409800	1.43905800	1.46460100	0.92688000	0.92030000
ABOVE STUMP	7.19275100	6.55156000	1.48006400	1.50868500	0.93849000	0.93118000

**Tables for Tree and Shrub Species  
1.0 in. or 3.0 cm dbh and Larger**

SPRUCE

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 16

HEIGHT (FEET)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
1	29.	38.	16.1	21.
2	119.	156.	65.	85.
3	269.	354.	149.	194.
4	480.	632.	266.	346.

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{FEET}))$

COMPONENT	B <sub>0</sub>		B <sub>1</sub>		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	3.64853900	3.05134400	2.02044400	2.01567000	0.96834000	0.96862000
ABOVE STUMP	3.38179500	2.78024100	2.01403100	2.02161200	0.96907000	0.97060000

SPRUCE

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 16

HEIGHT (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
30	28.	37.	15.6	20.
60	115.	151.	63.	83.
90	260.	342.	144.	188.
120	465.	612.	257.	335.

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{FEET}))$       CENTIMETERS = FEET \* 2.54 \* 12.0

COMPONENT	B <sub>0</sub>		B <sub>1</sub>		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	3.64853900	3.05134400	2.02044400	2.01567000	0.96834000	0.96862000
ABOVE STUMP	3.38179500	2.78024100	2.01403100	2.02161200	0.96907000	0.97060000

BALSAM FIR

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (FEET)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
1	32.	41.	15.8	19.7
2	120.	154.	60.	74.
3	261.	335.	130.	162.
4	453.	581.	226.	281.

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{FEET}))$

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	3.70785500	2.98109500	1.91697500	1.91625200	0.99046000	0.99047000
ABOVE STUMP	3.45961500	2.75989400	1.91681100	1.91891700	0.99047000	0.99041000

BALSAM FIR

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
30	31.	40.	15.3	19.1
60	116.	149.	58.	72.
90	253.	325.	126.	157.
120	440.	564.	219.	272.

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{FEET}))$       CENTIMETERS = FEET \* 2.54 \* 12.0

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	3.70785500	2.98109500	1.91697500	1.91625200	0.99046000	0.99047000
ABOVE STUMP	3.45961500	2.75989400	1.91681100	1.91891700	0.99047000	0.99041000

WHITE PINE

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (FEET)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
1	22.	28.	9.3	12.0
2	105.	134.	44.	57.
3	260.	333.	109.	140.
4	494.	634.	207.	267.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(FEET))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	3.34817000	2.48719800	2.23855100	2.23702300	0.99464000	0.99464000
ABOVE STUMP	3.10121200	2.22807600	2.23721500	2.23807700	0.99464000	0.99465000

WHITE PINE

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
30	21.	27.	9.0	11.6
60	101.	130.	42.	55.
90	251.	321.	105.	136.
120	477.	612.	199.	258.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(FEET))      CENTIMETERS = FEET \* 2.54 \* 12.0

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	3.34817000	2.48719800	2.23855100	2.23702300	0.99464000	0.99464000
ABOVE STUMP	3.10121200	2.22807600	2.23721500	2.23807700	0.99464000	0.99465000

RED PINE

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (FEET)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
1	48.	56.	22.	25.
2	136.	165.	62.	73.
3	252.	309.	114.	137.
4	390.	484.	177.	215.

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = 90 + B1(LN(\text{FEET}))$

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	4.02320900	3.21296800	1.55785800	1.55645100	0.94501000	0.94494000
ABOVE STUMP	3.86546600	3.07702100	1.51550700	1.51414800	0.91643000	0.91618000

RED PINE

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
30	47.	55.	21.	24.
60	133.	161.	60.	71.
90	246.	302.	112.	134.
120	381.	473.	173.	210.

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = 90 + B1(LN(\text{FEET}))$       CENTIMETERS = FEET \* 2.54 \* 12.0

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	4.02320900	3.21296800	1.55785800	1.55645100	0.94501000	0.94494000
ABOVE STUMP	3.86546600	3.07702100	1.51550700	1.51414800	0.91643000	0.91618000

HEMLOCK

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (FEET)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
1	28.	36.	13.6	17.6
2	75.	96.	37.	48.
3	134.	172.	65.	85.
4	203.	260.	99.	128.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(FEET))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	3.57234300	2.86838200	1.43327600	1.43232400	0.91313000	0.91311000
ABOVE STUMP	3.32401500	2.60729600	1.43332300	1.43225200	0.91324000	0.91258000

HEMLOCK

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
30	27.	35.	13.3	17.2
60	73.	94.	36.	46.
90	131.	168.	64.	83.
120	198.	254.	97.	125.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(FEET))      CENTIMETERS = FEET \* 2.54 \* 12.0

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	3.57234300	2.86838200	1.43327600	1.43232400	0.91313000	0.91311000
ABOVE STUMP	3.32401500	2.60729600	1.43332300	1.43225200	0.91324000	0.91258000

NORTHERN WHITE CEDAR

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (FEET)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
1	24.	31.	11.8	14.7
2	105.	134.	52.	65.
3	248.	318.	124.	154.
4	458.	588.	228.	284.

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{FEET}))$

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	3.42002300	2.69001100	2.13261800	2.13444000	0.98010000	0.98016000
ABOVE STUMP	3.17212000	2.47183100	2.13212600	2.13493100	0.98008000	0.98018000

NORTHERN WHITE CEDAR

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
30	23.	30.	11.4	14.2
60	101.	130.	50.	63.
90	240.	308.	120.	149.
120	443.	568.	221.	275.

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{FEET}))$        $\text{CENTIMETERS} = \text{FEET} * 2.54 * 12.0$

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	3.42002300	2.69001100	2.13261800	2.13444000	0.98010000	0.98016000
ABOVE STUMP	3.17212000	2.47183100	2.13212600	2.13493100	0.98008000	0.98018000



LARCH

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 16

HEIGHT (FEET)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
1	11.4	18.0	4.9	7.9
2	38.	58.	16.5	25.
3	78.	115.	33.	49.
4	128.	186.	55.	80.

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{FEET}))$

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	2.88902200	2.06076200	1.68745000	1.67357700	0.89932000	0.88044000
ABOVE STUMP	2.43405400	1.59819900	1.74626700	1.73747700	0.91466000	0.90636000

LARCH

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 16

HEIGHT (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
30	11.1	17.5	4.8	7.6
60	37.	56.	16.0	24.
90	76.	112.	32.	48.
120	125.	182.	53.	78.

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{FEET}))$       CENTIMETERS = FEET \* 2.54 \* 12.0

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	2.88902200	2.06076200	1.68745000	1.67357700	0.89932000	0.88044000
ABOVE STUMP	2.43405400	1.59819900	1.74626700	1.73747700	0.91466000	0.90636000

YELLOW BIRCH

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (FEET)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
1	2.2	2.8	1.2	1.5
2	12.1	15.5	6.4	8.1
3	33.	42.	17.1	22.
4	56.	85.	34.	45.

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{FEET}))$

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.03625200	0.39526730	2.45690300	2.45307300	0.95118000	0.95126000
ABOVE STUMP	0.79638410	0.16681110	2.44844000	2.42980500	0.94993000	0.94911000

YELLOW BIRCH

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
30	2.1	2.7	1.1	1.4
60	11.6	14.9	6.1	7.8
90	31.	40.	16.4	21.
120	64.	82.	33.	43.

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{FEET}))$       CENTIMETERS = FEET \* 2.54 \* 12.0

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.03625200	0.39526730	2.45690300	2.45307300	0.95118000	0.95126000
ABOVE STUMP	0.79638410	0.16681110	2.44844000	2.42980500	0.94993000	0.94911000

GRAY BIRCH

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (FEET)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
1	4.5	5.8	2.5	3.0
2	31.	39.	16.8	21.
3	95.	121.	52.	63.
4	210.	269.	114.	141.

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{FEET}))$

COMPONENT	B <sub>0</sub>		B <sub>1</sub>		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.75424700	1.10790500	2.77003400	2.76885100	0.99521000	0.99524000
ABOVE STUMP	1.50319800	0.90522390	2.77215400	2.76563800	0.99524000	0.99506000

GRAY BIRCH

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
30	4.3	5.5	2.4	2.9
60	29.	38.	16.1	19.8
90	90.	116.	49.	61.
120	201.	257.	109.	135.

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{FEET}))$       CENTIMETERS = FEET \* 2.54 \* 12.0

COMPONENT	B <sub>0</sub>		B <sub>1</sub>		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.75424700	1.10790500	2.77003400	2.76885100	0.99521000	0.99524000
ABOVE STUMP	1.50319800	0.90522390	2.77215400	2.76563800	0.99524000	0.99506000

BEECH

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (FEET)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
1	5.1	6.5	2.8	3.6
2	22.	29.	12.4	15.8
3	54.	69.	30.	38.
4	100.	128.	55.	70.

## REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{FEET}))$ 

COMPONENT	B <sub>0</sub>		B <sub>1</sub>		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.86578500	1.26894200	2.15429600	2.14792900	0.97831000	0.97793000
ABOVE STUMP	1.62000400	1.03130900	2.15224800	2.14331900	0.97830000	0.97717000

BEECH

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
30	4.9	6.2	2.7	3.4
60	22.	28.	12.0	15.2
90	52.	67.	29.	36.
120	96.	124.	53.	68.

## REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{FEET}))$       CENTIMETERS = FEET \* 2.54 \* 12.0

COMPONENT	B <sub>0</sub>		B <sub>1</sub>		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.86578500	1.26894200	2.15429600	2.14792900	0.97831000	0.97793000
ABOVE STUMP	1.62000400	1.03130900	2.15224800	2.14331900	0.97830000	0.97717000

## SUGAR MAPLE

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (FEET)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
1	7.3	9.4	4.2	5.3
2	18.5	24.	10.6	13.4
3	32.	41.	18.2	23.
4	47.	60.	27.	34.

## REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{FEET}))$ 

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	2.23963700	1.66752300	1.33901800	1.34199800	0.96263000	0.96338000
ABOVE STUMP	1.99207500	1.43091200	1.33749700	1.33620100	0.96194000	0.96244000

## SUGAR MAPLE

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
30	7.2	9.2	4.1	5.2
60	18.1	23.	10.3	13.2
90	31.	40.	17.8	23.
120	46.	59.	26.	33.

## REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{FEET}))$       CENTIMETERS = FEET \* 2.54 \* 12.0

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	2.23963700	1.66752300	1.33901800	1.34199800	0.96263000	0.96338000
ABOVE STUMP	1.99207500	1.43091200	1.33749700	1.33620100	0.96194000	0.96244000

## RED MAPLE

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (FEET)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
1	5.7	7.3	3.1	3.9
2	22.	28.	11.7	15.0
3	47.	61.	26.	33.
4	83.	106.	45.	57.

## REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{FEET}))$ 

COMPONENT	B <sub>0</sub>		B <sub>1</sub>		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.98218900	1.36305800	1.93420200	1.93635400	0.97128000	0.97140000
ABOVE STUMP	1.73593500	1.12093500	1.93221600	1.93563800	0.97114000	0.97137000

## RED MAPLE

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
30	5.5	7.0	3.0	3.8
60	21.	27.	11.4	14.5
90	46.	59.	25.	32.
120	80.	103.	44.	56.

## REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{FEET}))$       CENTIMETERS = FEET \* 2.54 \* 12.0

COMPONENT	B <sub>0</sub>		B <sub>1</sub>		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.98218900	1.36305800	1.93420200	1.93635400	0.97128000	0.97140000
ABOVE STUMP	1.73593500	1.12093500	1.93221600	1.93563800	0.97114000	0.97137000

STRIPED MAPLE

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (FEET)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
1	11.9	15.2	5.9	7.5
2	27.	35.	13.5	17.3
3	44.	57.	22.	28.
4	63.	80.	31.	40.

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{FEET}))$

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	2.71931100	2.01292400	1.20244900	1.20678500	0.94540000	0.94584000
ABOVE STUMP	2.47259700	1.76839800	1.20106200	1.19879400	0.94557000	0.94619000

STRIPED MAPLE

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
30	11.6	14.9	5.8	7.3
60	27.	34.	13.2	16.9
90	44.	56.	21.	28.
120	61.	79.	30.	39.

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{FEET}))$       CENTIMETERS = FEET \* 2.54 \* 12.0

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	2.71931100	2.01292400	1.20244900	1.20678500	0.94540000	0.94584000
ABOVE STUMP	2.47259700	1.76839800	1.20106200	1.19879400	0.94557000	0.94619000

BASSWOOD

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (FEET)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
1	8.2	10.5	3.4	4.2
2	25.	32.	10.6	13.0
3	48.	62.	20.	25.
4	77.	99.	33.	40.

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{FEET}))$

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	2.34928500	1.44275100	1.62103600	1.62176300	0.96068000	0.96121000
ABOVE STUMP	2.10221800	1.23451000	1.61942600	1.62289500	0.96042000	0.96086000

BASSWOOD

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
30	8.0	10.2	3.3	4.1
60	25.	31.	10.3	12.7
90	47.	61.	19.9	25.
120	75.	97.	32.	39.

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{FEET}))$       CENTIMETERS = FEET \* 2.54 \* 12.0

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	2.34928500	1.44275100	1.62103600	1.62176300	0.96068000	0.96121000
ABOVE STUMP	2.10221800	1.23451000	1.61942600	1.62289500	0.96042000	0.96086000



RED OAK

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (FEET)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
1	42.	53.	22.	27.
2	65.	84.	35.	43.
3	85.	109.	46.	56.
4	103.	132.	55.	67.

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{FEET}))$

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	3.97499400	3.30667500	0.65235680	0.65307600	0.74221000	0.74285000
ABOVE STUMP	3.72694000	3.10845900	0.65226220	0.65323440	0.74207000	0.74328000

RED OAK

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
30	41.	53.	22.	27.
60	65.	83.	35.	42.
90	84.	108.	45.	55.
120	102.	130.	55.	67.

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{FEET}))$       CENTIMETERS = FEET \* 2.54 \* 12.0

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	3.97499400	3.30667500	0.65235680	0.65307600	0.74221000	0.74285000
ABOVE STUMP	3.72694000	3.10845900	0.65226220	0.65323440	0.74207000	0.74328000

WHITE ASH

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (FEET)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
1	8.1	10.4	4.3	5.4
2	25.	32.	13.3	16.4
3	48.	61.	26.	32.
4	76.	98.	41.	50.

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{FEET}))$

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	2.34207100	1.67863100	1.61654800	1.61645100	0.93147000	0.93149000
ABOVE STUMP	2.09549700	1.46559600	1.61460500	1.62076500	0.93135000	0.93201000

WHITE ASH

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
30	7.9	10.1	4.2	5.2
60	24.	31.	13.0	16.0
90	47.	60.	25.	31.
120	74.	95.	40.	49.

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{FEET}))$       CENTIMETERS = FEET \* 2.54 \* 12.0

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	2.34207100	1.67863100	1.61654800	1.61645100	0.93147000	0.93149000
ABOVE STUMP	2.09549700	1.46559600	1.61460500	1.62076500	0.93135000	0.93201000

ASPEN

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (FEET)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
1	3.2	4.1	1.4	1.8
2	14.6	18.8	6.4	8.5
3	36.	46.	15.6	21.
4	67.	86.	29.	39.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(FEET))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.41436900	0.60967810	2.18961600	2.20482000	0.95725000	0.95944000
ABOVE STUMP	1.16341100	0.31695000	2.19134600	2.21111200	0.95740000	0.95849000

ASPEN

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
30	3.1	4.0	1.3	1.8
60	14.1	18.1	6.1	8.2
90	34.	44.	15.0	20.
120	64.	83.	28.	38.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(FEET))      CENTIMETERS = FEET \* 2.54 \* 12.0

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	1.41436900	0.60967810	2.18961600	2.20482000	0.95725000	0.95944000
ABOVE STUMP	1.16341100	0.31695000	2.19134600	2.21111200	0.95740000	0.95849000

CHOKE CHERRY

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (FEET)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
1	7.1	9.1	3.8	4.9
2	17.7	23.	9.6	12.2
3	30.	39.	16.3	21.
4	44.	56.	24.	30.

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{FEET}))$

COMPONENT	B <sub>0</sub>		B <sub>1</sub>		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	2.21309000	1.59057000	1.31276400	1.31507800	0.99575000	0.99562000
ABOVE STUMP	1.96355200	1.34674900	1.31375300	1.31258000	0.99586000	0.99564000

CHOKE CHERRY

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
30	7.0	9.0	3.8	4.8
60	17.3	22.	9.4	12.0
90	30.	38.	15.9	20.
120	43.	55.	23.	30.

REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = B_0 + B_1(LN(\text{FEET}))$       CENTIMETERS = FEET \* 2.54 \* 12.0

COMPONENT	B <sub>0</sub>		B <sub>1</sub>		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	2.21309000	1.59057000	1.31276400	1.31507800	0.99575000	0.99562000
ABOVE STUMP	1.96355200	1.34674900	1.31375300	1.31258000	0.99586000	0.99564000

## WILLOW

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (FEET)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
1	7.0	9.0	3.8	4.9
2	20.	26.	11.0	14.1
3	37.	48.	20.	26.
4	58.	75.	32.	41.

## REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = 30 + B1(LN(\text{FEET}))$ 

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	2.19306200	1.58552800	1.52839500	1.53443800	0.88128000	0.88290000
ABOVE STUMP	1.94242900	1.33181100	1.53027600	1.53148000	0.88122000	0.88226000

## WILLOW

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
30	6.8	8.7	3.7	4.8
60	19.7	25.	10.7	13.8
90	37.	47.	19.9	26.
120	57.	73.	31.	40.

## REGRESSION COEFFICIENTS

EQUATION:  $LN(\text{GRAMS}) = 30 + B1(LN(\text{FEET}))$       CENTIMETERS = FEET \* 2.54 \* 12.0

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	2.19306200	1.58552800	1.52839500	1.53443800	0.88128000	0.88290000
ABOVE STUMP	1.94242900	1.33181100	1.53027600	1.53148000	0.88122000	0.88226000

ALDER

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (FEET)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
1	21.	27.	10.2	13.6
2	45.	58.	21.	29.
3	70.	89.	33.	44.
4	95.	122.	45.	61.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(FEET))

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	3.30792800	2.60869600	1.07772700	1.07826900	0.94229000	0.94255000
ABOVE STUMP	3.05937400	2.31852700	1.07779100	1.08000900	0.94253000	0.94275000

ALDER

WEIGHT: GRAMS  
NO. OF OBSERVATIONS: 4

HEIGHT (CM.)	FRESH		DRY	
	ABOVE STUMP	COMPLETE TREE	ABOVE STUMP	COMPLETE TREE
30	21.	27.	10.0	13.4
60	44.	57.	21.	28.
90	68.	88.	33.	44.
120	93.	120.	45.	60.

REGRESSION COEFFICIENTS

EQUATION: LN(GRAMS) = B0 + B1(LN(FEET))      CENTIMETERS = FEET \* 2.54 \* 12.0

COMPONENT	B0		B1		R	
	FRESH	DRY	FRESH	DRY	FRESH	DRY
COMPLETE TREE	3.30792800	2.60869600	1.07772700	1.07826900	0.94229000	0.94255000
ABOVE STUMP	3.05937400	2.31852700	1.07779100	1.08000900	0.94253000	0.94275000