



Research Article

Study of Plant Community at UC Birote District Abbottabad

Saadia Afzal*, Sana Abbasi, Khadija Bibi and Rutba Farooq

Department of Botany, Govt. Post Graduate College No. 1, Abbottabad, Khyber Pakhtunkhwa, Pakistan.

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***Correspondence** | Prof. Dr. Saadia Afzal, Department of Botany, Govt. Post Graduate College No. 1, Abbottabad, Khyber Pakhtunkhwa, Pakistan; **Email:** s.afzal98@yahoo.com

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FIELD DATA RECORD GOVT GIRLS POST GRADUATE COLLEGE NO .1

BOTANICAL NAME:

FAMILY:

COMMON NAME

LOCAL NAME:

FLOWER COLOUR :

HABIT:

HABITAT:

ASPECT:

LIFE FORM:

LOCALITY:

DISTRICT:

Supplementary Figure 1: Field Data Record

(Old Garden Solutions.(nd).Retrieved from <http://www.OldGardenSolutions.com>)

APPENDIX — 1.

CONVERSION OF CIRCUMFERENCE INTO BASAL AREA

N.B. 1. Omit less than 0.4 inch and count 0.5 or more as 1 inch while taking circumference.

2. For circumferences more than 200 inches following formula should be applied for direct conversion of circumference into Basal area in sq. ft.

$$\text{Basal area (B.A.)} = \frac{\text{Circumference}^2}{1808.64}$$

Derivation of the formula :-
Circumference = $2 \pi r$.

or, $r = \frac{C}{2\pi}$; $r^2 = \left(\frac{C}{2\pi}\right)^2$ (i.e. $\frac{C}{2\pi} \times \frac{C}{2\pi}$)

Basal area ; $\pi \times \frac{C}{2\pi} = \frac{C^2}{4\pi}$; $\frac{C^2}{4\pi} \times \frac{1}{144} = \frac{C^2}{1808.64}$ sq. ft.

Circum. inch.	Basal area sq. ft.	Circum. inch.	Basal area sq. ft.	Circum. inch.	Basal area sq. ft.	Circum. inch.	Basal area sq. ft.
1.	.0005	16.	.1415	31.	.5313	46.	1.1699
2.	.0022	17.	.1597	32.	.5661	47.	1.2246
3.	.0049	18.	.1901	33.	.6021	48.	1.2628
4.	.0088	19.	.1995	34.	.6391	49.	1.3269
5.	.0138	20.	.2211	35.	.6773	50.	1.3822
6.	.0199	21.	.2438	36.	.7165	51.	1.4380
7.	.0279	22.	.2676	37.	.7569	52.	1.4944
8.	.0353	23.	.2922	38.	.7983	53.	1.5531
9.	.0447	24.	.3185	39.	.8520	54.	1.6122
10.	.0552	25.	.3455	40.	.8846	55.	1.6724
11.	.0669	26.	.3737	41.	.9288	56.	1.7338
12.	.0795	27.	.4030	42.	.9742	57.	1.7963
13.	.0934	28.	.4334	43.	1.0223	58.	1.8599
14.	.1083	29.	.4661	44.	1.0704	59.	1.9246
15.	.1244	30.	.4976	45.	1.1196	60.	1.9904

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Circum. inch	Basal area sq. ft.	Circum. inch.	Basal area sq. ft.	Circum. inch	Basal area sq. ft.	Circum. inch	Basal area sq. ft.
61.	2.0573	96.	5.0955	131.	9.4883	166.	15.2357
62.	2.1253	97.	5.2022	132.	9.6337	167.	15.4198
63.	2.1938	98.	5.2547	133.	9.7802	168.	15.6050
64.	2.2646	99.	5.4189	134.	9.9279	169.	15.7914
65.	2.3360	100.	5.5290	135.	10.0766	170.	15.9788
66.	2.4084	101.	5.6401	136.	10.2206	171.	16.1673
67.	2.4819	102.	5.7512	137.	10.3774	172.	16.3570
68.	2.5566	103.	5.8657	138.	10.5294	173.	16.5477
69.	2.6323	104.	5.9801	139.	10.6273	174.	16.7396
70.	2.7092	105.	6.0956	140.	10.8368	175.	16.9326
71.	2.7871	106.	6.2124	141.	10.9922	176.	17.1266
72.	2.8662	107.	6.3302	142.	11.4487	177.	17.3218
73.	2.9464	108.	6.4424	143.	11.3606	178.	17.5181
74.	3.0276	109.	6.5690	144.	11.4656	179.	17.7708
75.	3.1100	110.	6.6901	145.	11.6247	180.	17.9693
76.	3.1995	111.	6.8122	146.	11.7856	181.	18.1136
77.	3.2781	112.	6.9356	147.	11.9476	182.	18.3143
78.	3.3638	113.	7.0600	148.	12.1107	183.	18.5161
79.	3.4505	114.	7.1855	149.	12.2749	184.	18.7190
80.	3.5385	115.	7.3117	150.	12.4402	185.	18.9135
81.	3.6281	116.	7.4399	151.	12.6067	186.	19.1281
82.	3.7188	117.	7.5686	152.	12.7741	187.	19.3344
83.	3.8099	118.	7.6986	153.	12.9428	188.	19.5417
84.	3.9018	119.	7.8317	154.	13.1126	189.	19.7501
85.	3.9943	120.	7.9612	155.	13.3387	190.	19.9597
86.	4.0892	121.	8.0950	156.	13.4554	191.	20.1704
87.	4.1849	122.	8.2293	157.	13.6832	192.	20.3821
88.	4.2816	123.	8.3642	158.	13.8026	193.	20.5950
89.	4.3795	124.	8.5013	159.	13.9779	194.	20.8090
90.	4.5332	125.	8.6398	160.	14.1542	195.	21.0240
91.	4.5785	126.	8.7778	161.	14.3319	196.	21.2402
92.	4.6797	127.	8.9183	162.	14.5013	197.	21.4575
93.	4.7824	128.	9.0587	163.	14.6900	198.	21.6759
94.	4.8854	129.	9.2008	164.	14.8708	199.	21.8954
95.	4.9895	130.	9.3440	165.	15.0527	200.	22.1151

Supplementary Figure 2: Conversion of Circumference into Basal Area (A-Tiner R.W.(2005).Wetland indicators:A guide to wetland identifications,delineated,classification, and ,mapping. CRC Press & B-Hussain,S.S.(1984). Pakistan Manual of Plant Ecology.National Book Foundation.