

POINT CENTER QUARTER

Plot Distance	Quadrant	TREE					STUMP		
		Species	Distance (ft)	DBH (in)	Height (ft)	HTLC (ft)	Species	Distance (ft)	DBH (in)
0	Q1								
	Q2								
	Q3								
	Q4								
75	Q1								
	Q2								
	Q3								
	Q4								
150	Q1								
	Q2								
	Q3								
	Q4								
225	Q1								
	Q2								
	Q3								
	Q4								
300	Q1								
	Q2								
	Q3								
	Q4								

Date:
 Location:
 Transect #:
 Observers:

TREE SPECIES	CODE
Ponderosa Pine	PIPO
Douglas Fir	PSMI
White Fir	ABCO
Gamble Oak	QUGA
Rocky Mountain Juniper	JUSC

Tree Height					
Plot Distance	Quadrant #	Slope Distance	Angle to Base	Angle to Top of Crown	Angle to Lowest Live Branch
0	Q1				
	Q2				
	Q3				
	Q4				
 					
75	Q1				
	Q2				
	Q3				
	Q4				
 					
150	Q1				
	Q2				
	Q3				
	Q4				
 					
225	Q1				
	Q2				
	Q3				
	Q4				
 					
300	Q1				
	Q2				
	Q3				
	Q4				

Stump Height					
Plot Distance	Quadrant #	Slope Distance	Angle to Base	Angle to Top of Crown	Angle to Lowest Live Branch
0	Q1				
	Q2				
	Q3				
	Q4				
 					
75	Q1				
	Q2				
	Q3				
	Q4				
 					
150	Q1				
	Q2				
	Q3				
	Q4				
 					
225	Q1				
	Q2				
	Q3				
	Q4				
 					
300	Q1				
	Q2				
	Q3				
	Q4				

Angle	Tan(angle)
5°	.087
10°	.176
15°	.268
20°	.364
25°	.466
30°	.577
35°	.700
40°	.839
45°	1.00

Angle	Tan(angle)
50°	1.191
55°	1.428
60°	1.732
65°	2.145
70°	2.747
75°	3.732
80°	5.672
85°	11.430
90°	NA

Angle	66' Tape
0°	0
5°	66.3
10°	67
15°	68.3
20°	70.2
25°	72.8
30°	76.2

CALCULATION

1. Angle "A" + "B" =
2. tan(angle) =
3. Distance x tan(angle) =
= Height