

SUMMARY PLANT COMMUNITY DATA FORM

Names: _____ Meters along baseline: _____ Date: _____

SPECIES	FREQUENCY	DENSITY (d) per 20 m ²	RELATIVE DENSITY	PERCENT COVER (c)	RELATIVE COVER
TREES					
Whitethorn Acacia					
Foothills Palo Verde					
Other					
SHRUBS					
Triangle-leaf Bursage					
Creosote Bush					
Ratany					
Fairy Duster					
Ocotillo					
Other					
CACTI					
Saguaro					
SW Barrel Cactus					
Hedgehog Cacti					
Prickly Pear Cactus					
Pincushion Cacti					
Jumping Cholla					
Staghorn Cholla					
Christmas Cholla					
Other					
TOTALS (T)	N/A				
			= d/T x 100		= c/T x 100

Frequency = % of plots containing the species

Calculate as: # of plots containing the species times 10 (e.g. 7 out of 10 plots = 70%)

Density = number of individuals per area

Calculate as: sum of # of individuals for that species

Relative Density = % of all individuals that are of that species

Calculate as: Species Density divided by Total of all densities times 100 (round to nearest tenth)

Total of all Relative Densities = close to 100

Percent Cover = % of transect line covered by that species

Calculate as: sum of transect intercepts for that species divided by 10 (round to nearest tenth)

Relative Cover = % of all plant cover that is of that species

Calculate as: Species Cover divided by Total of all covers times 100 (round to nearest tenth)

Total of all Relative Covers = close to 100