

APES Biodiversity Lab

**Table 1: Biodiversity at a Diverse Site vs. Sparse Site
(Energy Lab investigation)**

Count at Site	Sparse Site	Diverse Site
Number of different animals		
Number of different plants		
number of plant patches		
topsoil depth (cm)		

Table 2: Physical Factors

	Diverse Site			Sparse Site		
Height (cm)	Temp (°C)	RH (%)	Light (lux)	Temp (°C)	RH (%)	Light (lux)
100						
90						
80						
70						
60						
50						
40						
30						
20						
10						
0						

Graph 1: Temperature vs. Light (Diverse vs. Sparse)

Graph 2: Relative Humidity vs. Height (Diverse vs. Sparse)

Graph 3: Light vs. Height (Diverse vs. Sparse)

Table 3: Biodiversity at Koaia Tree Sanctuary

Characteristics	Count
Number of different animals	
Number of different plants	
number of plant patches	
topsoil depth (cm)	

Table 4: Light Values at Different Heights

Height (cm)	Light (lux)	Height (cm)	Light (lux)
100		40	
90		30	
80		20	
70		10	
60		0	
50			

Graph 4: Light vs. Height at Koaia Tree Sanctuary (height is independent variable)