Biodiversity Survey Results

Plot Number ____1_____ Size ____5m X 5m_____
Location _____

Species	Native?	Number	Proportion $p_i = N/\Sigma N$	ln p_i	p_i ln p_i
Chain Fruit Cholla		4			
Hedgehog Cactus		1			
Wolfberry		1			
Peppergrass (Non-Native)		9			
Pursh Plantain		37			
Brandon Bush		226			
Fiddlehead (Non-Native)		10			
Total					

Richness = Number of Species/Number of Plants _____

Shannon-Weaver Index $H' = -[\Sigma(p_i)(\ln p_i)]$ _____

Percent Native Plants = Number of Native Plants/Number of Plants x 100% _____

Biodiversity Survey Results

Plot Number _____2_____ Size ____5m x 5m_____
Location _____

Species	Native?	Number	Proportion $p_i = N/\Sigma N$	ln p_i	p_i ln p_i
Acacia		5			
Barrel Cactus		1			
Chihuahuan Desert Claw		1			
Hedgehog Cactus		1			
Mesquite Tree		1			
Stag Horn Cactus		1			
Bladderpod		5			
Fluffweed		63			
Velcro plant		6			
Brandon Bush		198			
Fiddlehead (Non-Native)		6			
Total					

Richness = Number of Species/Number of Plants _____

Shannon-Weaver Index $H' = -[\Sigma(p_i)(\ln p_i)]$ _____

Percent Native Plants = Number of Native Plants/Number of Plants x 100% _____

*Once established, noxious weeds spread **exponentially**. Exponential growth is characterized by an initial period of growth that is slow and unapparent, which is followed by a period of tremendous growth. For instance, the Bureau of Land Management (BLM) estimates that **noxious weeds are consuming 4600 acres per day on western public lands!!** That's about 4600 football fields **every day**.