

What We Did and Why

I. **Relocation** - finding Grevy's zebras, photographing and identifying them by checking against the data base of known individuals.

- *Association Patterns - How does the degree of sociability change as environmental circumstances change?
- *Longevity
- *Population estimate

II. Foal **Patrol** - finding and photographing Grevy's zebra foals previously reported.

- *Foal survivorship
- *Reproduction rates

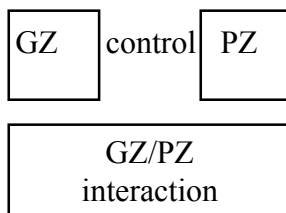
III. **PZ Behavioral Ecology** - 45 minute observations recording their movement, actions and angle every 3 minutes.

- *How the dynamics of herding and foraging behavior influence interspecies competition.

Example: If it is found that PZ herds on Lewa are formed because stallions wish to join forces against bachelor males, then removing bachelors may reduce herd size.

IV. **Focal Behavior** - 30 minute activity recordings.

- *Foraging and movement behavior within different ecological and social settings.



V. **Vegetation Transects**

- *Pin

% cover = total contents

Plant diversity = contact data used to compute diversity index based on proportions of species types

% green = % hits with green vs. brown

% nitrogen = chemical analysis (done in the states)

- *Disk - regression to convert height to biomass

- *Height

VI. Census - loops

- *Distribution
- *Abundance
- *Seasonal Movement

VII. Skills we used

- *GPS
- *Sexing
- *Range-finder
- *Excel
- *Coding Grevy's and checking data base
- *Environmental Variables

% cloud cover
wind strength
visibility
dominant grass species

Where else do we get the chance to stand in awe of such magnificence?

