Outline of Methods for Abiotic Group:

Sites: KBS, KNZ, JOR, SGS, CDR

ANPP vs. species richness relationships

- Formulate a table that is similar to Table 1 in Gross et al. 2000
- Run linear (proc reg) and quadratic (proc reg, stepwise) regressions for each sites data (ANPP vs. species richness)
    - For all years available at the site
    - By years
- Document the range in ANPP and species richness, p-values for linear and quadratic fits, adjusted r^2, N, shape of curve (in a summary sheet)
    - For all years available at the site
    - By years

Abiotic variables that will be related to ANPP vs. species richness relationships

- Calculate mean per month, total annual, min/max per year, max per month, growing season precipitation and temperature for each site and degree days and correlate of degree day/precipitation (yearly & growing season), "events"
- Formulate a table (summary sheet) that includes mean per month, total annual, min/max per year, max per month, growing season precipitation and temperature for each site and the methods used to calculate growing season

Look at summary sheets and develop hypotheses

Comparing ANPP vs. species richness relationships to abiotic variables at each site

- Stat technique that relates continuous variables to categorical variables (Regression tree De'ath and Fabricius 2000, logistic regression)

Cross site synthesis

What is a common result at all sites and what is unique to each site and why this uniqueness?