

## Lab Report Guidelines

- ABSTRACT** (10 points)  
reason for experiment  
results  
scientific significance
- INTRODUCTION** (10 points)  
reason for experiment  
assumptions and previous knowledge of the area (what we might expect to find)
- EXPERIMENTAL METHODS** (20 points)  
Briefly explain the geophysical method(s)  
how the equipment works and what it will detect (when applicable)  
experiment set-up and design  
data processing methods  
include important equations used in calculations  
drawing a diagram helps sometimes
- RESULTS** (25 points)  
results determined from experiment  
**FIGURES and TABLES:**  
captions that explain the figure enough to look at it independently!  
label directions on profiles... N, S, E, and W  
(don't simply say it is an E-W line, label the figure!)  
include only figures that are necessary to facilitate the discussion in the text
- DISCUSSION** (25 points)  
analysis of results and implications  
what are possible error sources?  
what would you have done differently?
- CONCLUSIONS** (10 points)  
summarize the results and interpretation  
was the experiment successful?