

Quarry Park Field Investigation

The following items should be included in the final document:

FIELD NOTES:

- _____ ALL notes taken in the field are included and located at the back of the document.
- _____ Notes include the work for calculating pace length in feet and meters.
- _____ Notes reflect that time in the field was used effectively and efficiently. (Lots of the material you need for the final document is on paper.)

MAPS:

- _____ Aerial view includes measured dimensions in paces for all parts of the area studied.
- _____ Aerial view includes appropriate size and locations of the various rock formations and geologic events that make up the site.
- _____ Aerial view is color coded for the rock types
- _____ Topographic view includes an appropriate contour interval that represents the area in detail.
- _____ Topographic view includes appropriate symbols.
- _____ Topographic view includes the spoils piles and their approximate height. (Use a weighted protractor and the appropriate tangent, sine, or cosine calculations.)
- _____ Cross section includes both quarries in a location that maximizes the contrast between the two.
- _____ Cross section includes an appropriate subsurface configuration to account for the visual surface differences.

REPORT:

- _____ The report includes the correct sequence of events that formed the area.
- _____ The report incorporates the geologic evidence for the sequence in terms of earth science concepts learned this semester. (These should include, but are not limited to, the Law of Crosscutting Relationships and the Law of Superposition.)