**Building a Local Stratigraphic Column: A research-based assignment for an introductory geology course**

Activity 1: Map Exploration and Stratigraphic Unit Assignment

Directions: Use the geologic map of the Cedar City Quadrangle to answer the following questions.

1a) Locate Southern Utah University. Upon which rock unit is it built?

1b) How did this unit form?

2) What is the oldest rock unit on the map?

3a) What Cretaceous units crop out in Cedar City?

3b) Based upon these Cretaceous rock units, what would the likely depositional environment have been? Include evidence.

4a) What types of structural features are found east of Cedar City along Coal Creek?

4b) What tectonic forces were likely involved?

5) Read through the Triassic and Jurassic rock units and write a brief summary of the geologic history of the area.