Now that the our introductory geology course is nearly complete, and you have acquired fluency in geological content, concepts, scientific practice, I’d like you to report on what you have learned by re-examining the rock you initially collected before the course’s start. What can you now say about it? And where have you come to (and from) as far as your geological education as exhibited by this project. Respond to the following 4 prompts by filling the space provided under each.

**Part 1: Origin Story**

Tell your rock’s origin story. Do so based on the data you have gleaned from the rock itself (it’s characteristics observed) as well as the ROCKD and MacroStrat reported unit description. Consider the conditions of the rock’s origins, it’s pre-existence in terms of provenance or protolith (if applicable), the paleogeography of it’s formation, and the rock unit’s relationship to other such units in then local area around your collection site.
Part 2: Economic Value

Report below on the what you see as the potential or actual economic value or material use of your rock unit’s material toward industry, infrastructure, etc. in a human context. Consider fresh ideas you have for the utility of the material as well as what you can locate in research about economic/human use of the rock material already. Refer to the mapped location of your rock unit in ROCKD and MacroStrat and the human use and infrastructure on the same bedrock as your collection site.

Part 3: Landscape & Environmental Issues

What present-day landscape characteristics in your region are related to the bedrock geology from which you have your sample? How about the agricultural use (or non-use) was related to the rock unit below? What environmental issues are there now (or might there be in the future) concerning the bedrock unit from which you’ve collected your sample?
Part 4: Project Assessment & Metacognition

Read back to your initial rock description you provided as part of Writing Assignment 1 for this activity, also re-look at what you felt you needed to do in order to more fully grasp an understanding of your rock sample in that assignment. Consider what you are able to now in saying more about the hand sample you are so familiar with, but also consider what you can now do as a budding geologist with any hand sample or any rock description or with any geological map and the pattern of rock outcropping.

Below, do two things. First, describe your growth in the course as exhibited by this project (in the area labeled “A”). Second, go back to ROCKD and MacroStrat and pick a place where you’d like to go next to do more geologizing. Describe where, why, and what you hypothesize could be going on there based on your initial reading of the rock descriptions in ROCKD and MacroStrat (in the area labeled “B”).

A.

B.