

Regional Geology

EVS 248 Environmental Geology and Hydrology

Fall Semester

Today's lab focuses on the big picture. What is the geological setting in which our work occurs? We will first review the historical geology for Iowa. We will then visit sites where rocks are exposed that are representative of those at our field site. Please prepare and submit on Moodle the following items, to be completed before the beginning of next week's lab.

- What is the difference between limestone and dolomite?
- What is a bedding plane? Include a photo from the field trip?
- What are regressive and transgressive sequences? Include a photo of one of these from the field trip.
- What is chert? Include a photo of a chert nodule from the field trip.
- What is the dominant method that water passes through the rock we observe on this field trip? Include an illustrative photo.
- What are the major rock formations with their age of the Dubuque area?