

Rubric Elements for Maps and Cross-Sections

| Dimension | Needs Improvement (3) | Satisfactory (4) | Exceptional (5) | Score |
|---|---|---|---|--------------|
| 1. Geologic Interpretation <i>(knowledge, skill)</i> | Geologic interpretations have some support by measurements; inferred elements are <u>not</u> distinguished from those directly observed. | Geologic interpretations are supported by measurements; inferred elements are <u>not</u> distinguished from those directly observed; both small and large scale features are represented. | Geologic interpretations are directly supported by structural or stratigraphic measurements; inferred elements are distinguished from those directly observed; both small and large scale features are represented. | |
| 2. Symbology <i>(Skill)</i> | Correct symbols and markings are used for structural features, contacts; these symbols show orientation and position that do not support inferences; density of measurements insufficient to support inferences; measurements do not indicate majority of important features in the base map area, or are outside of base map area. | Correct symbols and markings are used for structural features and contacts; these symbols show proper orientation and position; show appropriate density to support inferences; measurements indicate majority of important features, omitting only a few important features of base map area | Correct symbols and markings are used for structural features, contacts, internal features; these symbols show proper orientation and position; show appropriate density to support inferences; clear and unambiguous representation of measurements and observations; measurements include all important features of base map area | |
| 3. Presentation <i>(Skill, Affect)</i> | Generally neat, but frequent erasures and changes made on final map; layout of legend, key, etc., distracts from map or cross-section presentation, or is in an incorrect form. | Clean, neat; layout of legend, key, etc., is clear and supportive of map presentation. The “big picture” is clear from the map and supporting materials. | Clean, neat; meets or approaches professional standards; layout of legend, key, etc., is clear and supportive of map presentation. Attention to detail is evident. | |

Rubric Elements for Lithologic Descriptions and Memoirs

| Dimension | Needs Improvement (3) | Satisfactory (4) | Exceptional (5) | Score |
|---|--|---|---|-------|
| 1. Lithologic Description <i>(knowledge, skill)</i> | Description includes general information on rock type, mineralogy, grain size, and texture. | Description includes accurate information on rock type, mineralogy, grain size, and texture, in largely clear and appropriate language. | Description includes accurate information on rock type, mineralogy, grain size and range, texture, and special characteristics, in clear language with proper syntax and grammar. | |
| 2. Geologic Interpretation <i>(knowledge, skill)</i> | Geologic interpretations have some support by measurements; inferred elements are <u>not</u> distinguished from those directly observed. | Geologic interpretations are supported by measurements; inferred elements are <u>not</u> distinguished from those directly observed; both small and large scale features are represented. | Geologic interpretations are directly supported by structural or stratigraphic measurements; inferred elements are distinguished from those directly observed; both small and large scale features are represented. | |
| 3. Supporting materials, such as stereonet plots, data tables, photographs, etc. <i>(skill, affect)</i> | Supportive materials are largely superfluous and not directly tied to inferences; measurements (scale, angles, etc.) are accurate; materials are clear/focused and legible | Supporting materials are tied to general inferences; measurements (scale, angles, etc.) are largely accurate; materials are clear/focused. | Supporting materials are directly tied to specific inferences; measurements (scale, angles, etc.) are accurate; materials are clear/focused and legible | |
| 4. Tectonic Synthesis <i>(knowledge, affect)</i> <i>note: for memoir tasks only</i> | A few preceding components are referred to or presented without synthesis; "big picture" is incomplete, lacking detail on materials or structural features; conclusions are incomplete or unsubstantiated by data. | Most preceding components are synthesized or at least referred to; "big picture" develops overall framework of materials and structural features; conclusions have some support in data. | All preceding components, listed above, are synthesized as primary data; "big picture" of evolutionary history of materials and structural features well developed; all conclusions are well supported by data. | |
| 5. Presentation <i>(Skill, Affect)</i> | Generally neat, but frequent erasures and changes made on final map; layout of legend, key, etc., distracts from map or cross-section presentation, or is in an incorrect form. | Clean, neat; layout of legend, key, etc., is clear and supportive of map presentation. The "big picture" is clear from the map and supporting materials. | Clean, neat; meets or approaches professional standards; layout of legend, key, etc., is clear and supportive of map presentation. Attention to detail is evident. | |