

Rubric for Virtual Geologic Mapping Exercise at Lough Fee

Dimension	Needs Improvement (3)	Satisfactory (4)	Exceptional (5)	Score
1. Geologic Interpretation - Map	Geologic interpretations have some support by measurements; contacts and faults are <u>not</u> differentiated; unit thicknesses are not consistent.	Geologic interpretations are generally supported by measurements; contacts and faults are <u>not</u> differentiated; unit thicknesses are mostly consistent; some features are highlighted by additional Placemarks.	Geologic interpretations are directly supported by measurements and data; contacts and faults are differentiated; unit thicknesses are maintained; key features are highlighted by additional Placemarks.	
2. Geologic Interpretation - Cross-section	Geologic interpretations are somewhat supported by structural or stratigraphic measurements and data; units are represented with inconsistent orientation, scale, or thickness.	Geologic interpretations are supported by structural or stratigraphic measurements and data; units are represented in appropriate orientation, scale, and thickness.	Geologic interpretations are directly supported by structural or stratigraphic measurements and data; units are represented in appropriate orientation, scale, and thickness; structural features are clearly displayed.	
3. Map Presentation	Generally neat, but inconsistent use of linework on final map; polygons are not consistent with the colors of units.	Clean, neat; layout is clear and well-presented. The overall geology of the field area is clear from the map.	Clean, neat; meets or approaches professional standards; layout is clear and well-presented. Attention to detail is evident.	
4. Lithologic Descriptions	Descriptions include general information on rock type, mineralogy, grain size, and texture. Some depositional and metamorphic features are documented.	Descriptions include accurate information on rock type, mineralogy, grain size, and texture, in clear and appropriate (geologic) language. Most depositional and metamorphic features are documented.	Descriptions include accurate information on rock type, mineralogy, grain size, texture, and unusual characteristics, in clear language with proper syntax and grammar. Almost all depositional and metamorphic features are documented.	
5. Memoir / Summary of Geology	"Big picture" is incomplete, lacking detail on materials, environmental, or structural features; conclusions are incomplete or unsubstantiated by data.	Most preceding components are synthesized or at least referenced; "big picture" develops overall framework of materials, environmental, and structural features; conclusions have some support from data.	Map, cross-section, and lithologic descriptions are synthesized as primary data; "big picture" of geologic features and geologic history is well developed; Conclusions are well supported by data.	