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APPENDIX A

SOME COMMON UPPER ORDOVICIAN FOSSILS COLLECTED BY STUDENTS



Brachiopod - *Platystrophia*



Brachiopod - *Rafinesquina*



Brachiopod - *Strophomena*



Brachiopod - *Hebertella*



Nautiloid Cephalopod



Bryozoan - *Constellaria*



Bivalve – *Modiolopsis*



Bivalve – *Ambonychia*



Bivalve – *Caritodens*



Gastropod – cf. *Loxoplocus*



Gastropod – *Cyclonema*



Horn Coral – *Grewingkia*



Trilobite - *Flexicalymene*



Trilobite - *Flexicalymene*



Trace Fossil - *Diplocraterion*



Brachiopod - *Onniella*

APPENDIX B

ADDITIONAL PHOTOGRAPHS



Figure Appendix B-1. Students scouring over the surface of the Kope Fm. at Stop 1 along Ky. Route 3071, April 5, 2008.



Figure Appendix B-2. A student found a nice specimen of the horn coral *Grewingkia* in the Bull Fork Fm. at Stop 3 on the AA Highway, April 18, 2009.



Figure Appendix B-3. Student taking photos of the Kope Fm. at Stop 1 on Ky. Route 3071, April 17, 2010.. The upper part of the Kope and most of the Fairview Fm. is visible in the background.

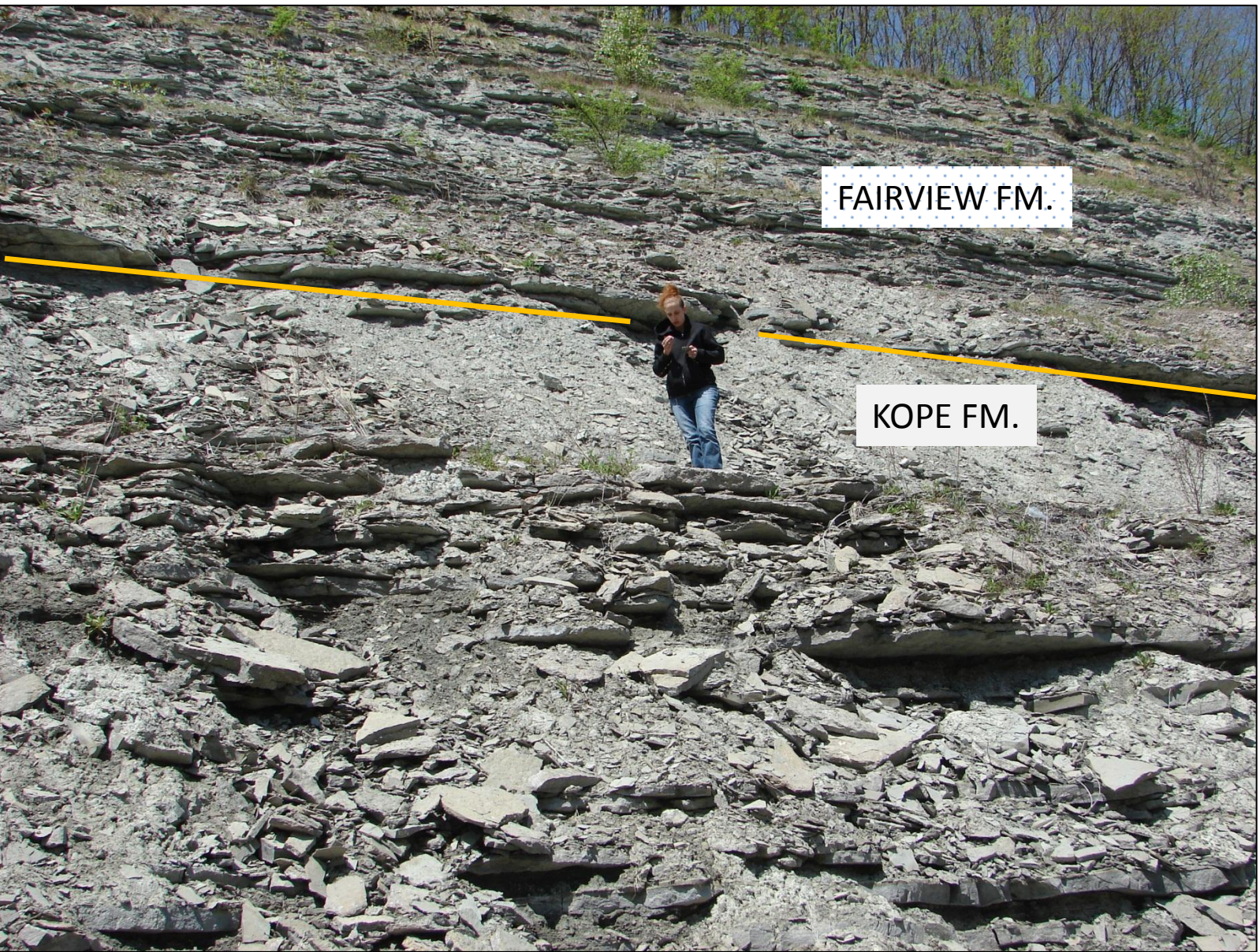


Figure Appendix B-4. Student searching for fossils in the Kope Fm. at Stop 1 on Ky. Route 3071, April 17, 2010.



Figure Appendix B-5. Photo of the Fairview Fm. at Stop 2 on Ky. Route 11 showing three zones of soft sediment deformation (convoluted bedding) that are interpreted to be seismites. Photo taken October 14, 2012.



Figure Appendix B-6. Photo of the contact between the Fairview Fm. And the Grant Lake Limestone at Stop 1 on Ky. Route 3071. Photo taken October 14, 2012.



Figure Appendix B-7. Photo of students at stop three searching the Bull Fork Fm. for large corals, April 18, 2009.



Figure Appendix B-8. Photo illustrating the shaley nature of the Kope Fm. at Stop 1 and also a student pondering where to collect next. Photo taken April 17, 2012.



Figure Appendix B-9. Photo of a slab of shingled brachiopod (*Rafinesquina*) shells indicative of a tempestite (storm) bed in the Kope Fm at Stop 1. Photo taken from a specimen in the Marietta College collection, October 28, 2012.



Figure Appendix B-10. Photo of debris that has fallen from the lower "Ball and Pillow" zone in the Fairview Fm. at Stop 2. Notice the two large "balls" with contorted bedding (the largest one is about ¾ meter).