

APPENDIX--LITHIC LOGS OF THE VIRGINIA FORMATION

Biwabik 1 of 3

Depth		Graphic Column	Description	Depth	Graphic Column	Description	Depth	Graphic Column	Description
ft.	m.								
-100			Glacial drift; cobbles and boulders in sand	-270		Argillite, black, carbonaceous; scattered laminae of dark-gray, silty argillite & med.-gray, argillaceous siltstone & rare light-gray fine-grained, calcareous graywacke	-440		Silty argillite, light-gray, and dark-gray argillite; laminated; scattered beds of laminated cross-bedded siltstone; scattered thick beds of black, carbonaceous argillite
-110			VIRGINIA FORMATION Argillite & argillaceous siltstone; laminated; interlayers of fine-grained, very thin bedded, cross-bedded, laminated, graded, calcareous siltstone	-280		Argillite, silty argillite, & siltstone; laminated to very thin bedded; interlayered black, carbonaceous argillite	-450		Graywacke, light-gray, fine-grained, graded, cross-bedded
-120	-35		Argillite, laminated; calcite concretions	-290		Silty argillite and argillite; laminated; ripple-scale laminae in silty beds; scattered beds of siltstone	-460		Silty argillite, light-gray, and dark-gray argillite; laminated
-130			Graywacke, fine-gr., graded, laminated, cross-bedded	-300		Dominantly siltstone & laminated, silty argillite; siltstone units laminated, cross-bedded	-470		Argillite, dk.-gray, & med.-gray, silty argillite; rare laminae and very thin beds of lt.-gray siltstone; abundant concretions
-140			Argillite, laminated; calcite concretions	-310		Graywacke, lt.-gray, fine-gr., graded; black argillite laminae	-480		Argillite, dark-gray, & lt.-gray, silty argillite; laminated; rare lt.-gray siltstone beds; rare f.-gr., graded & laminated graywacke beds
-150	-45		Argillite & argill. siltstone, laminated; interbeds of fine-gr., calc. siltstone	-320		Dominantly argillite, dark-gray, laminated	-490		Silty argillite, med.-gray; rare laminae of lt.-gray siltstone
-160			Argillite, laminated, calc.; calcite concretions; interbeds of fine-gr. siltstone	-330		Graywacke, med.-gray, fine-gr., locally calcareous; interlayered black argillite	-500		Argillite, black, and med.-gray, silty argillite; laminated
-170			Graywacke, fine-gr., graded, laminated, cross-bedded	-340		Dominantly argillite, black, laminated	-510		Argillite, black; rare laminae of dark-gray, silty argillite
-180	-55		Argillite & argill. siltstone; laminated to very thin bedded; interbedded fine-gr., laminated & cross-bedded, locally graded siltstone, calcite concretions	-350		Graywacke, light-gray, f.-gr.; interlayered black argillite	-520		
-190			Argillite, laminated, calc.; calcite concretions; interbeds of fine-gr. siltstone	-360			-530		
-200			Graywacke, fine-gr., graded, laminated, cross-bedded	-370			-540		
-210	-65		Argillite & argill. siltstone; laminated to very thin bedded; interbedded fine-gr., laminated & cross-bedded, locally graded siltstone, calcite concretions	-380			-550		
-220			Argillite, laminated, calc.; calcite concretions; interbeds of fine-gr. siltstone	-390			-560		
-230			Graywacke, fine-gr., graded, laminated, cross-bedded	-400			-570		
-240	-75		Argillite & argill. siltstone; laminated to very thin bedded; interbedded fine-gr., laminated & cross-bedded, locally graded siltstone, calcite concretions	-410			-580		
-250			Argillite, laminated, calc.; calcite concretions; interbeds of fine-gr. siltstone	-420			-590		
-260			Graywacke, fine-gr., graded, laminated, cross-bedded	-430			-600		



