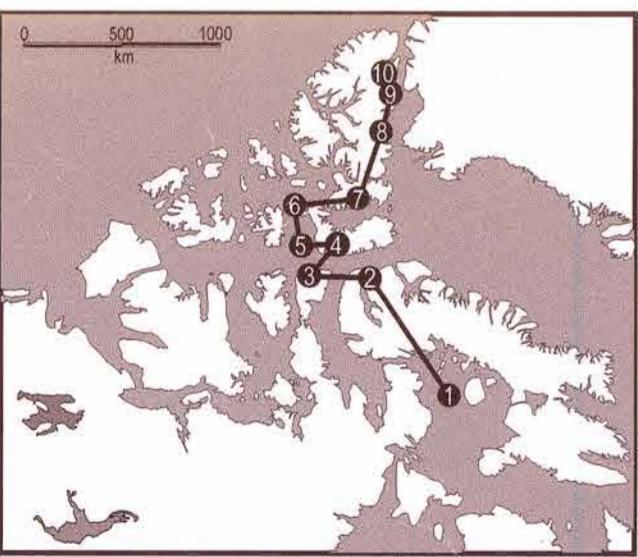




		Conodont Zones	Other faunas	Foxe Basin (1)	Brodeur Peninsula (2)	Somerset Island (3)	southern Devon Island (4)	Cornwallis Island (5)	Grinnell Peninsula (6)	southern Ellesmere Is. (7)	Bache Pen. Ellesmere Is. (8)	NE Ellesmere Island			
												Platform (9)	Basin (10)		
ORDOVICIAN	Late	Cincinnatian	Ashgill	<i>G. ensifer</i>				Allen Bay	Allen Bay	Allen Bay	Allen Bay	Allen Bay	Allen Bay		
				<i>A. shatzeri</i>											
				<i>A. divergens</i>											
				<i>A. grandis</i>											
				<i>O. robustus</i>											
				<i>O. velicuspis</i>											
	Middle	Mohawkian	Caradoc	<i>B. confluens</i>											
				<i>P. tenuis</i>											
				<i>P. undatus</i>											
				<i>B. compressa</i>											
				<i>E. quadridactylus</i>											
				<i>P. aculeata</i>											
	Early	Ibexian	"Arenig"	<i>C. sweeti</i>											
				<i>C. friendsvillensis</i>											
				<i>P. "pre-flexuosus"</i>											
				<i>H. holodentata</i>											
				<i>H. sinuosa</i>											
				<i>H. altifrons</i>											
CAMBRIAN	Late	Millardian	<i>T. laevis</i>												
			<i>R. andinus</i>												
			<i>O. communis</i>												
			<i>A. deltatus-O. costatus</i>												
			<i>M. diana</i>												
			<i>low diversity int.</i>												
	Middle	Lincolnian	Marjuman	<i>R. manitouensis</i>											
				<i>C. angulatus</i>											
				<i>I. fluctivagus</i>											
				<i>C. lindstromi s.l.</i>											
				<i>C. intermedius</i>											
				<i>C. proavus</i>											
Early	Waucoban	Dyerian	<i>P. posterocostatus</i>												
			<i>P. tenuiserratus</i>												
			<i>S. bulbosa</i>												
			<i>S. brevispicata</i>												
			<i>Missisquoiia</i>												
			<i>Saukia</i>												



Abbreviations:
 R. - Rocklandian
 Ranger. - Rangerian
 BB or B Bay - Blainley Bay
 ch - chert marker
 T - Tetradium Interval
 l-ch - lower chert marker
 shi = green shale

References:

Albanesi, G.L., Hünicken, M.A. and Barnes, C.R. 1998. Biostratigrafía de conodontes de las secuencias Ordovícicas del Cerro Potrerillo, Precordillera central de San Juan, R. Argentina. *Actas de la Academia Nacional de Ciencias, Córdoba, Argentina*, No. 12, 253 p.

Bolton, T.E. 2000. Ordovician megafauna, southern Baffin Island, Nunavut. In: McCracken, A.D. and Bolton, T.E. (eds.), *Geology and paleontology of the southeast Arctic Platform and southern Baffin Island, Nunavut*. Geological Survey of Canada, Bulletin 557, p. 39-158.

Dewing, K., Mayr, U., Harrison, J.C. and de Freitas, T. In press. Upper Neoproterozoic to Lower Devonian stratigraphy of northeast Ellesmere Island. In: Mayr, U. (ed.) *The geology of northeast Ellesmere Island adjacent to Kane Basin and Kennedy Channel, Nunavut*. Geological Survey of Canada Bulletin.

Ethington, R.L. and Clark, D.L. 1981. Lower and Middle Ordovician conodonts from the Ibex area, western Millard County, Utah. *Brigham Young University Geology Studies*, v. 28, Part 2, p. 1-160.

Mayr, U. 1978. Stratigraphy and correlation of lower Paleozoic formations, subsurface of Cornwallis, Devon, Somerset, and Russell Islands, Canadian Arctic Archipelago. *Geological Survey of Canada, Bulletin* 276, 55 p.

Mayr, U. and de Freitas, T. In press. Proterozoic and Cambrian sedimentary units of Bache and Knud peninsulas. In: Mayr, U. (ed.), *The geology of northeast Ellesmere Island adjacent to Kane Basin and Kennedy Channel, Nunavut*. Geological Survey of Canada Bulletin.

Mayr, U., de Freitas, T., Beauchamp, B. and Eisbacher, G. 1998. The geology of Devon Island north of 76°, Canadian Arctic Archipelago. *Geological Survey of Canada, Bulletin* 526, 500 p.

Mayr, U., Packard, J.J., Goodbody, Q.H., Okullitch, A.V., Rice, R.J., Goodarzi, F. and Stewart, K.R. 1994. The Phanerozoic geology of southern Ellesmere and northern Kent Islands, Canadian Arctic Archipelago. *Geological Survey of Canada, Bulletin* 470, 298p.

Nentwich, F.W. 1987. Stratigraphy and sedimentology of the Ordovician and Silurian Brodeur Group, Northern Brodeur Peninsula, Baffin Island. Ph.D. Thesis University of Alberta, 457 p.

Nentwich, F.W. and Jones, B. 1989. Stratigraphy and sedimentology of Ordovician and Silurian strata, northern Brodeur Peninsula, Baffin Island. *Bulletin of Canadian Petroleum Geology*, v. 37: 428-442.

Ross, R.J. Jr., Hintze, L.F., Ethington, R.L., Miller, J.F., Taylor, M.E. and Repetski, J.E. 1997. The Ibexian, lowermost series in the North American Ordovician. *U.S. Geological Survey, Professional Paper* 1579-A, p. 1-50.

Sanford, B.V. and Grant, A.C. 2000. Geological framework of the Ordovician System in the southeast Arctic Platform, Nunavut. In: McCracken, A.D. and Bolton, T.E. (eds.), *Geology and paleontology of the southeast Arctic Platform and southern Baffin Island, Nunavut*. Geological Survey of Canada, Bulletin 557, p. 13-38.

Stewart, W.D. 1987. Late Proterozoic to early Tertiary stratigraphy of Somerset Island and northern Boothia Peninsula, District of Franklin, N.W.T. *Geological Survey of Canada Paper* 83-26, 78 p.

Sweet, W.C. 1984. Graphic correlation of upper Middle and Upper Ordovician rocks, North American Midcontinent Province, U.S.A. In: *Aspects of the Ordovician System*, Bruton, D.L. (ed.), *Palaeontological Contributions from the University of Oslo*, No. 295, p. 23-35.

Thorsteinsson, R. and Mayr, U. 1987. The sedimentary rocks of Devon Island, Canadian Arctic Archipelago. *Geological Survey of Canada, Memoir* 411, 182 p.

Trettin, H.P. 1969. Lower Paleozoic sediments of northwestern Baffin Island, District of Franklin. *Geological Survey of Canada, Bulletin* 157, 70 p.

- Notes:**
 Conodont zones based on Albanesi et al. (1998), Ethington and Clark (1981), Ross et al. (1997), and Sweet (1984).
 Trilobite zones follow Geyer and Shergold (2000). Late Ordovician macrofossil zones after Bolton (2000). Age range of formations based on data in:
 1. Sanford and Grant, 2000
 2. Trettin, 1969; Nentwich 1987, 1989
 3. Stewart, 1987; and herein
 4. Thorsteinsson and Mayr, 1987
 5. Mayr 1976; and herein
 6. Mayr et al., 1998
 7. Mayr et al., 1994
 8. Mayr and de Freitas, In press
 9. Dewing et al., In press
 10. Dewing et al., In press

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