

RADIOMETRIC AGE DETERMINATIONS OF BASEMENT ROCKS OF THE LABRADOR SHELF

Well	Lithology	Interval(s) (m)	Core	K-Ar Age (Ma)
Cartier D-70	granodiorite	1908-1927	X	1332 ± 45
Roberval C-02	hornblende-biotite gneiss	2803-2817	X	1189 ± 40
Gudrid H-55	granite	2804-2838	X	1710 ± 57
Herjolf M-92	granodiorite	4048-4086	X	1427 ± 51
Tyrk P-100	granite	1706-1739	X	
South Labrador N-79	syenite	3549-3571		
Hopedale E-33	norite-anorthosite	2000-2070		
Snorri J-90	biotite gneiss	3149-3210	X	1066 ± 41
Skolp E-07	quartz diorite	2967-2992	X	997 ± 39 1016 ± 35
Karlsefni A-13	garnet-gneiss	4129-4149	X	1537 ± 55
Gilbert F-53	granite gneiss	3550-3607	X	1917 ± 64

RADIOMETRIC AGE DETERMINATIONS OF VOLCANIC ROCKS OF THE LABRADOR SHELF

Well	Lithology	Interval(s) (m)	Core	K-Ar Age (Ma)
Leif M-48	basalt	1839-1880	X	131 ± 6
Indian Harbour M-52	tuff	3249-3484		90 ± 4
North Leif I-05	basalt	3443-3431	X	84
Roberval K-92	basalt	3187-3543	X X X	129 ± 6 124 ± 5 126 ± 5
Bjarni H-81	basalt	2254-2542	X	122 ± 6
Herjolf M-92	basalt	3752-4026	X	121 ± 5
Tyrk P-100	basalt	1523-1685		
South Hopedale L-39	? tuff, ? rhyolite	2060-2080	ditch cutting	112 ± 4
Rut H-11	diabase dike	4450-4470	X	59 ± 6

DEPTH TO BASEMENT IN LABRADOR SHELF WELLS

Well	KB	Volcanics	Paleozoics	Precambrian
Hare Bay E-21	24.2		3402	
Verrazano L-77	12.8		195.5	
Freydis B-87	12.5		1905	
Leif M-48	12.0	1839		
Leif E-38				
Indian Harbour M-52	29.9	3250	3528	
North Leif I-05	12.0	3393.5		
Cartier D-70	12.5			1909
Roberval C-02	13.7			2803
Roberval K-92	12.5	3187	3544	
Gudrid H-55	12.2		2663	2804
Bjarni O-82				
Bjarni H-81	12.2	2255.5		
Herjolf M-92	26.8	3751		4048
North Bjarni F-06				
Tyrk P-100	12.3	1523	1702	1706
South Labrador N-79	11.3			3548
South Hopedale L-39	12.0		2008	
Hopedale E-33	12.8		1980	2009
Corte Real P-85				
Snorri J-90	11.3			3148.5
Ogmund E-72				
Skolp E-07	12.0			2967.5
Pothurst P-19				
Karlsefni A-13	12.2			4129
Gilbert F-53	12.1			3550
Rut H-11	12.0	4451		

DATATIONS RADIOMÉTRIQUES DES ROCHES DU SOCLE DU PLATEAU CONTINENTAL DU LABRADOR

Puits	Lithologie	Intervalle(s) (m)	Noyau	Âge (Ma) K-Ar
Cartier D-70	granodiorite	1908-1927	X	1332 ± 45
Roberval C-02	hornblende-biotite gneiss	2803-2817	X	1189 ± 40
Gudrid H-55	granite	2804-2838	X	1710 ± 57
Herjolf M-92	granodiorite	4048-4086	X	1427 ± 51
Tyrk P-100	granite	1706-1739	X	
South Labrador N-79	syenite	3549-3571		
Hopedale E-33	norite-anorthosite	2000-2070		
Snorri J-90	biotite gneiss	3149-3210	X	1066 ± 41
Skolp E-07	quartz diorite	2967-2992	X	997 ± 39 1016 ± 35
Karlsefni A-13	grenat-gneiss	4129-4149	X	1537 ± 55
Gilbert F-53	granite gneiss	3550-3607	X	1917 ± 64

DATATIONS RADIOMÉTRIQUES DES ROCHES VOLCANIQUES DU PLATEAU CONTINENTAL DU LABRADOR

Puits	Lithologie	Intervalle(s) (m)	Noyau	Âge (Ma) K-Ar
Leif M-48	basalte	1839-1880	X	131 ± 6
Indian Harbour M-52	tuf	3249-3484		90 ± 4
North Leif I-05	basalte	3443-3431	X	84
Roberval K-92	basalte	3187-3543	X X X	129 ± 6 124 ± 5 126 ± 5
Bjarni H-81	basalte	2254-2542	X	122 ± 6
Herjolf M-92	basalte	3752-4026	X	121 ± 5
Tyrk P-100	basalte	1523-1685		
South Hopedale L-39	? tuf, ? rhyolite	2060-2080	déblais de forages	112 ± 4
Rut H-11	diabase dyke	4450-4470	X	59 ± 6

PROFONDEUR DU SOCLE DANS LES PUIITS DE FORAGE DU PLATEAU CONTINENTAL DU LABRADOR

Puits	KB	Volca- niques	Couches Paléo- zoïques	Précam- briennes
Hare Bay E-21	24.2		3402	
Verrazano L-77	12.8		195.5	
Freydis B-87	12.5		1905	
Leif M-48	12.0	1839		
Leif E-38				
Indian Harbour M-52	29.9	3250	3528	
North Leif I-05	12.0	3393.5		
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Roberval C-02	13.7			2803
Roberval K-92	12.5	3187	3544	
Gudrid H-55	12.2		2663	2804
Bjarni O-82				
Bjarni H-81	12.2	2255.5		
Herjolf M-92	26.8	3751		4048
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Corte Real P-85				
Snorri J-90	11.3			3148.5
Ogmund E-72				
Skolp E-07	12.0			2967.5
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Karlsefni A-13	12.2			4129
Gilbert F-53	12.1			3550
Rut H-11	12.0	4451		