

Type Section	Other Wells	Postulated Age	LAD	
			Dinoflagellates	Spores

Dracodinium condylos Zone Alphanumeric Designation: LP 21

North Leif I-05; 2055-2235 m	Bjarni O-82, Cartier D-70, Gilbert F-53, Hopedale E-33, Leif M-48, North Bjarni F-06, Ogmund E-72, Pothurst P-19, Roberval K-92, Rut H-11, South Hopedale L-39, South Labrador N-79, Tyrk P-100	early Eocene	<i>Adnatosphaeridium robustum</i> <i>Apectodinium augustum</i> <i>Dracodinium condylos</i> <i>Dracodinium solidum</i> <i>Spiniferites septatus</i> <i>Turbiosphaera filosa</i>	<i>Momipites rotundus</i> <i>Punctodiporites</i> sp. A (Rouse, 1977) <i>Striadaeporites sanctaebarae</i>
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Trinovantedinium # LA Zone Alphanumeric Designation: LP 22

South Labrador N-79; 1950-2200 m	Bjarni O-82, Cartier D-70, Corte Real P-85, Gilbert F-53, Hopedale E-33, Leif M-48, North Bjarni F-06, North Leif I-05, Ogmund E-72, Pothurst P-19, Roberval K-92, Rut H-11, South Hopedale L-39, Tyrk P-100	early Eocene	<i>Achilleodinium bififormoides</i> sensu (Heilmann-Clausen, 1985) <i>Cordosphaeridium fibrospinosum</i> <i>Deflandrea oebisfeldensis</i> <i>Diphyes colligerum</i> <i>Eatonicysta ursulae</i> <i>Homotryblium tenuispinosum</i> <i>Kisselovia edwardsii</i> <i>Wetzeliella meckelfeldensis</i>	<i>Intratropollenites</i> sp. A (Rouse, 1977) <i>Platycaryapollenites platycaryoides</i>
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Eocladopyxis # LA Zone Alphanumeric Designation: LP 23

South Labrador N-79; 1890-1930 m	Bjarni O-82, Cartier D-70, Corte Real P-85, Gilbert F-53, Hopedale E-33, Leif M-48, North Bjarni F-06, North Leif I-05, Ogmund E-72, Pothurst P-19, Roberval K-92, Rut H-11, South Hopedale L-39, Tyrk P-100	middle Eocene	<i>Apectodinium homomorphum</i> (abundant) <i>Apectodinium hyperacanthum</i> (abundant) <i>Areoligera senonensis</i> (abundant) <i>Deflandrea eocenica</i> Eocladopyxis # LA <i>Hystrichokolpoma unispinum</i> <i>Lentinia wetzeli</i>	<i>Momipites tenuipolus</i> <i>Pistillipollenites mcgregorii</i>
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Areosphaeridium fenestratum Zone Alphanumeric Designation: LP 24

South Labrador N-79; 1440-1870 m	Bjarni O-82, Cartier D-70, Corte Real P-85, Gilbert F-53, Hopedale E-33, Leif M-48, North Bjarni F-06, North Leif I-05, Ogmund E-72, Pothurst P-19, Roberval K-92, Rut H-11, South Hopedale L-39, Tyrk P-100	middle to late Eocene	<i>Achilleodinium bififormoides</i> <i>Areosphaeridium fenestratum</i> <i>Cordosphaeridium gracile</i> <i>Glaphyrocysta semitecta</i> <i>Hystrichokolpoma salacium</i> <i>Kisselovia coleothrypta</i> <i>Phthanoperidinium geminatum</i> <i>Phthanoperidinium multispinosum</i> <i>Wetzeliella articulata</i>	<i>Cupaneidites</i> sp. <i>Pesavis tagluensis</i> <i>Trudopolis plena</i>
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Deflandrea # LR Zone Alphanumeric Designation: LP 25

South Labrador N-79; 1320-1420 m	Bjarni O-82, Cartier D-70, Corte Real P-85, Gilbert F-53, Hopedale E-33, North Bjarni F-06, North Leif I-05, Ogmund E-72, Pothurst P-19, Roberval K-92, Ruth H-11, Tyrk P-100	late Eocene to early Oligocene	<i>Araneosphaera araneosa</i> <i>Phthanoperidinium alectrolophum</i> <i>Systematophora placacantha</i>	<i>Diervillapollenites echinatus</i> <i>Momipites coryloides</i> (common) <i>Parviprojectus</i> sp. A (Rouse 1977)
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Areosphaeridium arcuatum Zone Alphanumeric Designation: LP 26

South Labrador N-79; 1170-1300 m	Bjarni O-82, Cartier D-70, Corte Real P-85, Gilbert F-53, North Bjarni F-06, North Leif I-05, Pothurst P-19, Roberval K-92, Ruth H-11, Tyrk P-100	early Oligocene	<i>Areosphaeridium arcuatum</i> (large var.) <i>Areosphaeridium multicornutum</i> (large var.) <i>Cyclonephelium</i> sp. B, (Williams and Brideaux, 1975) <i>Cyclonephelium</i> sp. E, (Williams and Brideaux, 1975) <i>Deflandrea heterophlycta</i> <i>Glaphyrocysta intricata</i> <i>Heteraulacysta porosa</i> <i>Lentinia serrata</i> <i>Phthanoperidinium comatum</i> <i>Thalassiphora pelagica</i>	<i>Azolla</i> (abundant) <i>Cicatricosisporites dorogensis</i> <i>Cicatricosisporites paradorogensis</i> <i>Jusseia</i> sp. <i>Tiliaepollenites crassipites/vescipites</i>
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Type Section	Other Wells	Postulated Age	FAD	
			Dinoflagellates	Spores

Chiropteridium mespilanum Zone Alphanumeric Designation: LP 27

Gilbert F-53; 825-895 m	Corte Real P-85, Pothurst P-19, Roberval K-92, Rut H-11, South Labrador N-79	late Oligocene	<i>Chiropteridium mespilanum</i> <i>Cribroperidinium giuseppeii</i> <i>Deflandrea phosphoritica</i> <i>Membranophoridium aspinatum</i>	
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Cordosphaeridium cantharellum Zone Alphanumeric Designation: LP 28

Ogmund E-72; 640-770 m	Bjarni O-82, Cartier D-70, Corte Real P-85, Leif M-48, Rut H-11, South Labrador N-79	early Miocene	<i>Cordosphaeridium cantharellum</i> <i>Distatodinium paradoxum</i> <i>Heteraulacysta campanula</i> <i>Lejeunecysta hyalina</i> <i>Palaeocystodinium golzowense</i>	
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Type Section	Other Wells	Postulated Age	LAD	
			Dinoflagellates	Spores

Systematophora ancyrea Zone Alphanumeric Designation: LP 29

Ogmund E-72; 520-620 m	Bjarni O-82, Cartier D-70, Corte Real P-85, Leif M-48, North Leif I-05	middle Miocene	<i>Dapsilidinium pastielsii</i> <i>Hystrichokolpoma rigaudiae</i> <i>Paralecaniella indentata</i> <i>Spiniferites pseudofurcatus</i> <i>Systematophora ancyrea</i>	<i>Corsinipollenites subtriangularis</i> <i>Laevigatosporites ovatus</i>
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Operculodinium centrocarpum Zone Alphanumeric Designation: LP 30

North Bjarni F-06; 420-690 m	Cartier D-70, Pothurst P-19, Tyrk P-100	late Miocene	<i>Brigantedinium simplex</i> <i>Lingulodinium machaerophorum</i> <i>Micrhystridium fragile</i> <i>Operculodinium centrocarpum</i>	<i>Caryapollenites simplex</i> <i>Lycopodiumsporites annotinoides</i> <i>Pterocaryapollenites stellatus</i>
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Tsugaepollenites igniculus Zone Alphanumeric Designation: LP 31

Ogmund E-72; 430-500 m	Bjarni O-82, Corte Real P-85, Pothurst P-19, South Labrador N-79	Plio-Pleistocene	<i>Spiniferites ramosus ramosus</i>	<i>Alnipollenites verus</i> <i>Osmundacidites claytonites</i> <i>Stereosporites antiquasporites</i> <i>Tsugaepollenites igniculus</i> <i>Tsugaepollenites viridiflumunipites</i>
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Coupe de Référence	Autre Puits de Forage	Âge Suggéré	NDP	
			Dinoflagellés	Spores

Zone à Dracodinium condylos Code Alphanumérique: LP 21

North Leif I-05; 2055-2235 m	Bjarni O-82, Cartier D-70, Gilbert F-53, Hopedale E-33, Leif M-48, North Bjarni F-06, Ogmund E-72, Pothurst P-19, Roberval K-92, Rut H-11, South Hopedale L-39, South Labrador N-79, Tyrk P-100	Éocène inférieur	<i>Adnatosphaeridium robustum</i> <i>Apectodinium augustum</i> <i>Dracodinium condylos</i> <i>Dracodinium solidum</i> <i>Spiniferites septatus</i> <i>Turbiosphaera filosa</i>	<i>Momipites rotundus</i> <i>Punctodiporites</i> sp. A (Rouse, 1977) <i>Striadaeporites sanctaebarae</i>
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Zone à Trinovantedinium # LA Code Alphanumérique: LP 22

South Labrador N-79; 1950-2200 m	Bjarni O-82, Cartier D-70, Corte Real P-85, Gilbert F-53, Hopedale E-33, Leif M-48, North Bjarni F-06, North Leif I-05, Ogmund E-72, Pothurst P-19, Roberval K-92, Rut H-11, South Hopedale L-39, Tyrk P-100	Éocène inférieur	<i>Achilleodinium bififormoides</i> sensu (Heilmann-Clausen, 1985) <i>Cordosphaeridium fibrospinosum</i> <i>Deflandrea oebisfeldensis</i> <i>Diphyes colligerum</i> <i>Eatonicysta ursulae</i> <i>Homotryblium tenuispinosum</i> <i>Kisselovia edwardsii</i> <i>Wetzeliella meckelfeldensis</i>	<i>Intratropollenites</i> sp. A (Rouse, 1977) <i>Platycaryapollenites platycaryoides</i>
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Zone à Eocladopyxis # LA Code Alphanumérique: LP 23

South Labrador N-79; 1890-1930 m	Bjarni O-82, Cartier D-70, Corte Real P-85, Gilbert F-53, Hopedale E-33, Leif M-48, North Bjarni F-06, North Leif I-05, Ogmund E-72, Pothurst P-19, Roberval K-92, Rut H-11, South Hopedale L-39, Tyrk P-100	Éocène moyen	<i>Apectodinium homomorphum</i> (abundant) <i>Apectodinium hyperacanthum</i> (abundant) <i>Areoligera senonensis</i> (abundant) <i>Deflandrea eocenica</i> Eocladopyxis # LA <i>Hystrichokolpoma unispinum</i> <i>Lentinia wetzeli</i>	<i>Momipites tenuipolus</i> <i>Pistillipollenites mcgregorii</i>
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Zone à Areosphaeridium fenestratum Code Alphanumérique: LP 24

South Labrador N-79; 1440-1870 m	Bjarni O-82, Cartier D-70, Corte Real P-85, Gilbert F-53, Hopedale E-33, Leif M-48, North Bjarni F-06, North Leif I-05, Ogmund E-72, Pothurst P-19, Roberval K-92, Rut H-11, South Hopedale L-39, Tyrk P-100	Éocène moyen à supérieur	<i>Achilleodinium bififormoides</i> <i>Areosphaeridium fenestratum</i> <i>Cordosphaeridium gracile</i> <i>Glaphyrocysta semitecta</i> <i>Hystrichokolpoma salacium</i> <i>Kisselovia coleothrypta</i> <i>Phthanoperidinium geminatum</i> <i>Phthanoperidinium multispinosum</i> <i>Wetzeliella articulata</i>	<i>Cupaneidites</i> sp. <i>Pesavis tagluensis</i> <i>Trudopolis plena</i>
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Zone à Deflandrea # LR Code Alphanumérique: LP 25

South Labrador N-79; 1320-1420 m	Bjarni O-82, Cartier D-70, Corte Real P-85, Gilbert F-53, Hopedale E-33, North Bjarni F-06, North Leif I-05, Ogmund E-72, Pothurst P-19, Roberval K-92, Ruth H-11, Tyrk P-100	Éocène supérieur à Oligocène inférieur	<i>Araneosphaera araneosa</i> <i>Phthanoperidinium alectrolophum</i> <i>Systematophora placacantha</i>	<i>Diervillapollenites echinatus</i> <i>Momipites coryloides</i> (fréquent) <i>Parviprojectus</i> sp. A (Rouse 1977)
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Zone à Areosphaeridium arcuatum Code Alphanumérique: LP 26

South Labrador N-79; 1170-1300 m	Bjarni O-82, Cartier D-70, Corte Real P-85, Gilbert F-53, North Bjarni F-06, North Leif I-05, Pothurst P-19, Roberval K-92, Ruth H-11, Tyrk P-100	Oligocène inférieur	<i>Areosphaeridium arcuatum</i> (grande var.) <i>Areosphaeridium multicornutum</i> (grande var.) <i>Cyclonephelium</i> sp. B, (Williams et Brideaux, 1975) <i>Cyclonephelium</i> sp. E, (Williams et Brideaux, 1975) <i>Deflandrea heterophlycta</i> <i>Glaphyrocysta intricata</i> <i>Heteraulacysta porosa</i> <i>Lentinia serrata</i> <i>Phthanoperidinium comatum</i> <i>Thalassiphora pelagica</i>	<i>Azolla</i> (abundant) <i>Cicatricosisporites dorogensis</i> <i>Cicatricosisporites paradorogensis</i> <i>Jusseia</i> sp. <i>Tiliaepollenites crassipites/vescipites</i>
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Coupe de Référence	Autre Puits de Forage	Âge Suggéré	NPA	
			Dinoflagellés	Spores

Zone à Chiropteridium mespilanum Code Alphanumérique: LP 27

Gilbert F-53; 825-895 m	Corte Real P-85, Pothurst P-19, Roberval K-92, Rut H-11, South Labrador N-79	Oligocène supérieur	<i>Chiropteridium mespilanum</i> <i>Cribroperidinium giuseppeii</i> <i>Deflandrea phosphoritica</i> <i>Membranophoridium aspinatum</i>	
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Zone à Cordosphaeridium cantharellum Code Alphanumérique: LP 28

Ogmund E-72; 640-770 m	Bjarni O-82, Cartier D-70, Corte Real P-85, Leif M-48, Rut H-11, South Labrador N-79	Miocène inférieur	<i>Cordosphaeridium cantharellum</i> <i>Distatodinium paradoxum</i> <i>Heteraulacysta campanula</i> <i>Lejeunecysta hyalina</i> <i>Palaeocystodinium golzowense</i>	
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Coupe de Référence	Autre Puits de Forage	Âge Suggéré	NDP	
			Dinoflagellés	Spores

Zone à Systematophora ancyrea Code Alphanumérique: LP 29

Ogmund E-72; 520-620 m	Bjarni O-82, Cartier D-70, Corte Real P-85, Leif M-48, North Leif I-05	Miocène moyen	<i>Dapsilidinium pastielsii</i> <i>Hystrichokolpoma rigaudiae</i> <i>Paralecaniella indentata</i> <i>Spiniferites pseudofurcatus</i> <i>Systematophora ancyrea</i>	<i>Corsinipollenites subtriangularis</i> <i>Laevigatosporites ovatus</i>
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Zone à Operculodinium centrocarpum Code Alphanumérique: LP 30

North Bjarni F-06; 420-690 m	Cartier D-70, Pothurst P-19, Tyrk P-100	Miocène supérieur	<i>Brigantedinium simplex</i> <i>Lingulodinium machaerophorum</i> <i>Micrhystridium fragile</i> <i>Operculodinium centrocarpum</i>	<i>Caryapollenites simplex</i> <i>Lycopodiumsporites annotinoides</i> <i>Pterocaryapollenites stellatus</i>
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Zone à Tsugaepollenites igniculus Code Alphanumérique: LP 31

Ogmund E-72; 430-500 m	Bjarni O-82, Corte Real P-85, Pothurst P-19, South Labrador N-79	Plio-Pleistocene	<i>Spiniferites ramosus ramosus</i>	<i>Alnipollenites verus</i> <i>Osmundacidites claytonites</i> <i>Stereosporites antiquasporites</i> <i>Tsugaepollenites igniculus</i> <i>Tsugaepollenites viridiflumunipites</i>
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[continued on the next map sheet]

[suite sur la carte suivante]