



Robertson
Research

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2110

GEOLOGICAL SURVEY
COMMISSION GEOLOGIQUE

OTTAWA

Enclosure 23

CORE DESCRIPTION CHART

WELL

HIBERNIA B-08

JEANNE D'ARC BASIN,
EAST COAST CANADA

SCALE 1 : 50

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Department of Supply
and Services

DRILLERS DEPTH IN METRES	CORES	GRAIN SIZE AND SEDIMENTARY STRUCTURES	LITHOLOGY	DESCRIPTION	
				1	2
2658				SANDSTONE: Pale yellowish brown (oil-stained) and burrowed; interbedded with SILTSTONE: Medium dark grey, argillaceous, bioturbated and sideritic.	
2660				SANDSTONE: Moderate yellowish brown (oil-stained) and pale grey (calcite cemented), fine grained and horizontally laminated to low angle cross-bedded.	
2665	CORE 1				
2670				SILTSTONE: Medium dark grey to brownish grey, argillaceous, burrowed, containing slumped and current rippled sandstone beds and siderite nodules; overlying SHALE: Medium dark grey to brownish grey, slightly carbonaceous, containing abundant siderite nodules.	
2675					
2675.75					
NON-SCALE GAP OF 803.85 METRES					
3480	CORE 2			SANDSTONE & SILTSTONE: Medium dark grey to brownish grey, silt to very fine grained, argillaceous, burrowed and sideritic.	
3485				SANDSTONE: Greyish brown, very fine to coarse grained, containing cross-bedding, scoured bases, horizontal lamination, current ripples, mudclasts, wood debris and siderite cement; interbedded with SHALE/SILTSTONE: Medium dark grey, sideritic.	
3490				SILTSTONE: Medium dark grey, argillaceous, containing burrows, bivalve shell debris and siderite nodules; overlying SANDSTONE: Brownish grey, very fine to medium grained, containing pebbles, mudclasts, shell debris and wood fragments.	
3495					
3500				SANDSTONE: Pale brownish grey, very fine and fine grained, erosively based, horizontally laminated, wave rippled, current rippled with loaded bases; interbedded with SHALE: Medium dark grey, silty.	
3505					
3510				SILTSTONE: Greenish grey, argillaceous, burrowed, with bivalve shells and nodular siderite cements; interbedded with SANDSTONE: Pale brownish grey, very fine to coarse grained, sharply based, containing pebbles, bivalve shells and carbonaceous wood fragments. Commonly calcite and siderite cemented.	
3515					
3520					
NON-SCALE GAP OF 57.3 METRES					
3525	CORE 3				
3530				SANDSTONE: Pale greyish brown, fine and medium grained, containing erosive bases, cross-bedding, carbonaceous wood fragments and mudclasts.	
3535					
3540				SANDSTONE: Brownish grey to pale grey, very fine to fine grained, rootletted and current rippled, containing carbonaceous wood debris overlying SHALE: Medium dark grey, silty.	
3545					
3550				SILTSTONE: Greenish grey, argillaceous, burrowed, with bivalve shells and nodular siderite cements; interbedded with SANDSTONE: Pale greyish brown, fine and medium grained, containing erosive bases, cross-bedding, carbonaceous wood fragments and mudclasts.	
3555					
3560	CORE 4			SANDSTONE: Brownish grey to pale grey, very fine to fine grained, rootletted and current rippled, containing carbonaceous wood debris overlying SILTSTONE & SHALE: Pale grey and greenish grey, rootletted, containing wood debris, UNION-like bivalves, siderite and pyrite cements.	
3565					
3570					
NON-SCALE GAP OF 41.8 METRES					
3575	CORE 5				
3580				SANDSTONE: Brownish grey, very fine to very coarse grained; overlying SILTSTONE AND SHALE: Pale grey to greenish grey, rubbly and sideritic.	
3585					
3590					
3595					
3600					
3605					
3610					
3615				SILTSTONE AND SHALE: Medium dark grey and greyish green, mottled, rootletted, siderite and pyrite cemented, overlying SANDSTONE: Pale brownish grey, very fine to fine grained, laminated, burrowed and current rippled.	
3620					
3625				SANDSTONE: Greyish brown, fine to coarse grained, erosively based, cross-bedded and horizontally laminated containing mudclasts and wood debris. SHALE & SILTSTONE: Medium dark grey with current rippled sand lenses.	