

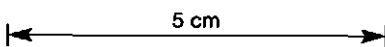
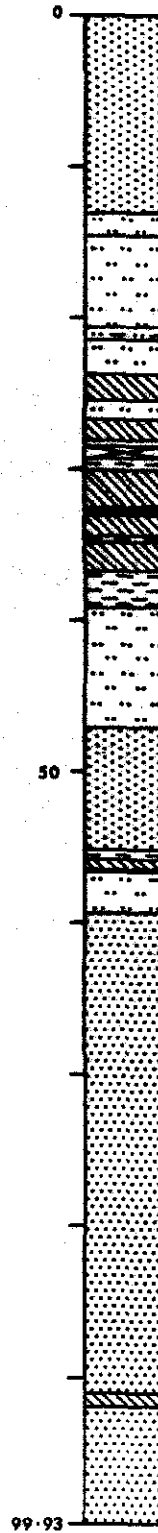
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CORNWALL COAL COMPANY N.L.

St Pauls River

DDH 8a

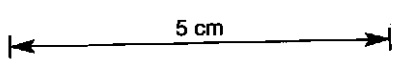
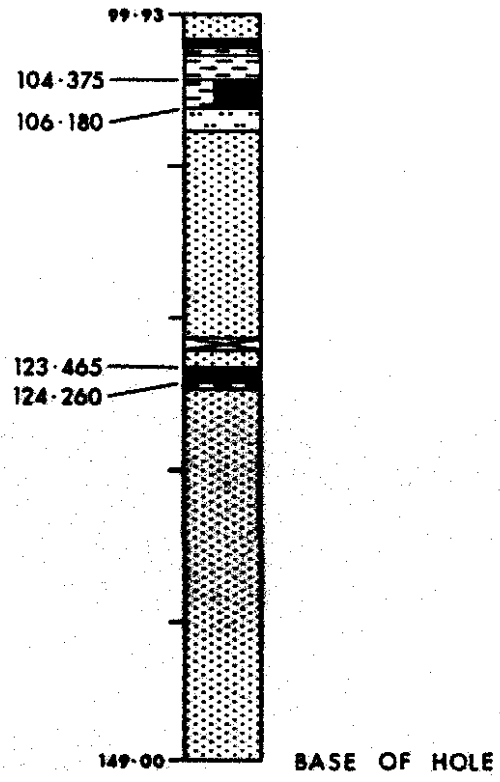


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CORNWALL COAL COMPANY N.L. ²⁴¹¹³⁹

St Pauls River

DDH 8a



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CORNWALL COAL ST PAULS RIVER DDH 8a

<u>Location:</u> Royal George	<u>Logged by:</u> C.G. Lancaster
<u>AMG Co-ordinates:</u> E 581 750	<u>Drilled by:</u> Stacpoole Drilling
N 5366 190	
<u>Collar R.L.:</u> 500 m approx.	<u>Commenced:</u> 23.10.84
<u>Total Depth:</u> 149.00 m	<u>Completed:</u> 30.10.84

	<u>Estimated Thickness (m)</u>	<u>Estimated Depth to Base of Stratum (m)</u>	<u>Remarks</u>
NOT CORED: open hole to 4.000m	4.000	4.000	
SANDSTONE, brown, fine to medium, lithic, soft, weathered, sporadic silty horizons, thin carbonaceous band at 9 m	9.195	13.195	
SILTSTONE, grey-black, laminated, shaly in places, core completely fretted from exposure, grades to underlying unit	1.385	14.580	
SILTSTONE, grey, numerous fine sandy laminations, bedding laminated, wavy to parallel, fissile to flaggy, extensive fretting from exposure	6.050	20.630	
SILTSTONE, dark grey to black, carbonaceous in part, fretted, fissile	0.080	20.710	
CLAYSTONE, brownish grey, fissile, and crumbly	0.080	20.790	
SILTSTONE, dark grey-black, carbonaceous in part, broken	0.710	21.500	
CLAYSTONE, brownish grey, fissile and crumbly	0.110	21.610	

CORNWALL COAL ST PAULS RIVER DDH 8a

	<u>Estimated Thickness (m)</u>	<u>Estimated Depth to Base of Stratum (m)</u>	<u>Remarks</u>
SILTSTONE, dark grey-black, carbonaceous bands in places, fretted and fissile due to exposure, laminated in part, thin brownish claystone band at base	2.000	23.610	
CLAYSTONE, black, carbonaceous, minor bright coaly wisps, fissile and fretted from exposure, grades to underlying unit	1.830	25.440	
SILTSTONE, grey to dark grey, sporadic extremely fissile claystone bands, numerous sandy laminations in basal section, core badly broken in places	1.220	26.660	
CLAYSTONE, black, carbonaceous, extremely fissile and fretted from exposure, sporadic coaly wisps	1.450	28.110	
CLAYSTONE, dark grey to brownish grey, carbonaceous in part, fissile and fretted bands, core broken	0.290	28.400	
CORE LOSS	0.900	29.300	
CLAYSTONE, as for 0.290 m unit above	0.800	30.100	
CLAYSTONE, black, carbonaceous, fissile and fretted from exposure, minor coaly wisps in places	1.600	31.700	
CORE LOSS: in fissile claystone	0.300	32.000	

CORNWALL COAL ST PAULS RIVER DDH 8a

	<u>Estimated Thickness (m)</u>	<u>Estimated Depth to Base of Stratum (m)</u>	<u>Remarks</u>
CLAYSTONE, as for 1.600 m unit above	0.600	32.600	
<u>COAL</u> , stony, minor bright wisps	0.255	32.855	
CLAYSTONE, as for 0.600 m unit above	0.690	33.545	
CLAYSTONE, brown, fissile, fretted	0.280	33.825	
CLAYSTONE, black, carbonaceous to coaly	0.650	34.475	
CLAYSTONE, brown, fissile and fretted	0.250	34.725	
CLAYSTONE, black, carbonaceous to coaly, minor disseminated pyrite, some ironstaining on broken surfaces, broken throughout	0.520	35.245	
CLAYSTONE, brown, fissile and fretted	0.320	35.565	
CLAYSTONE, black, carbonaceous to coaly, broken	1.040	36.605	
CLAYSTONE, brown, soft, crumbly	0.100	36.705	
CLAYSTONE, grey to black, carbonaceous in part, numerous silty phases, grades to underlying unit, fretted and broken from exposure	2.460	39.165	
SILTSTONE, grey to dark grey, crumbly and broken throughout from exposure, sandy at base, grades to underlying unit	7.900	47.065	

CORNWALL COAL ST PAULS RIVER DDH 8a

	<u>Estimated Thickness (m)</u>	<u>Estimated Depth to Base of Stratum (m)</u>	<u>Remarks</u>
SANDSTONE, light grey, medium, lithic, sporadic silty phases, bedding thin to medium, wavy to subparallel, slabby to blocky	8.190	55.255	
CLAYSTONE, brown and black carbonaceous interbeds, core broken and crumbly	0.620	55.875	
SANDSTONE, grey, fine to medium, lithic, irregular carbonaceous inclusions in centre	0.260	56.135	
CLAYSTONE, black, carbonaceous	0.365	56.500	
<u>COAL</u> , dull with numerous bright bands	0.090	56.590	
SILTSTONE, grey to dark grey, carbonaceous bands in places, core broken and crumbly from exposure, bedding laminated to very thin, wavy to irregular	2.805	59.395	
SANDSTONE, light grey, medium, lithic, sporadic carbonaceous partings, bedding thin to thick, subparallel, mostly slabby to blocky, irregular phases of carbonaceous lenticles and pods in place	31.780	91.175	
CLAYSTONE, black, carbonaceous, sporadic silty pods, soft and crumbly	0.480	91.655	
CORE LOSS	0.260	91.915	

CORNWALL COAL ST PAULS RIVER DDH 8a

	<u>Estimated Thickness (m)</u>	<u>Estimated Depth to Base of Stratum (m)</u>	<u>Remarks</u>
SANDSTONE, as for sandstone unit above (31.780m), bedding contorted in horizons of irregular carbonaceous lenticles and pods, soft and crumbly siltstone band at 95.00 m (0.150m thick)	8.015	99.930	
<u>COAL</u> , dull and bright, irregular lens	0.075	100.005	
SANDSTONE, as for 8.015 m unit above, sporadic irregular coaly inclusions	1.780	101.785	
<u>COAL</u> , dull with minor bright bands, broken	0.350	102.135	
CLAYSTONE, grey, numerous carbonaceous partings, soft, fretted, friable and crumbly, fissile	0.340	102.475	
<u>COAL</u> , dull with minor bright bands	0.100	102.575	
CLAYSTONE, grey to dark grey, carbonaceous in places, core crumbly, fretted and friable, fissile, sporadic silty phases	1.790	104.365	
CLAYSTONE, black, carbonaceous, hard	0.010	104.375	
<u>COAL</u> , dull to stony	0.050	104.425)
)
CLAYSTONE, grey-brown, ? tuffaceous	0.060	104.485) PLY 1
)
<u>COAL</u> , dull with minor bright bands	0.215	104.700)

CORNWALL COAL ST PAULS RIVER DDH 8a

	<u>Estimated Thickness (m)</u>	<u>Estimated Depth to Base of Stratum (m)</u>	<u>Remarks</u>
CLAYSTONE, grey-brown, ? tuffaceous	0.040	104.740)
)
<u>COAL</u> , dull	0.030	104.770)
)
CLAYSTONE, grey-brown, soft	0.010	104.780)
)
<u>COAL</u> , dull with minor bright bands	0.740	105.520)
)
CLAYSTONE, dark grey with light grey clay pellets scattered throughout	0.060	105.580) PLY 1 Thickness
) 1.805 m
<u>COAL</u> , dull	0.220	105.800)
)
CLAYSTONE, dark grey, hard	0.010	105.810)
)
<u>COAL</u> , dull with minor bright bands	0.240	106.050)
)
CLAYSTONE, mid grey, hard	0.050	106.100)
)
<u>COAL</u> , dull	0.080	106.180)
)
SILTSTONE, grey, laminated, grades to sandstone at base, fissile and crumbly throughout, carbonaceous remains on partings	1.475	107.655)
)
SANDSTONE, light grey, medium to coarse, lithic, bedding thick, subparallel, blocky to massive, minor silty phases	13.695	121.350)
)
CORE LOSS	0.630	121.980)

CORNWALL COAL ST PAULS RIVER DDH 8a

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	<u>Estimated Thickness (m)</u>	<u>Estimated Depth to Base of Stratum (m)</u>	<u>Remarks</u>
SANDSTONE, as for 13.695 m unit above	1.235	123.215	
CORE LOSS	0.250	123.465	
<u>COAL</u> , dull to stony	0.795	124.260)	PLY 2 76% only recovery
CLAYSTONE, black-grey, carbonaceous at top, fissile, grades through siltstone to underlying unit	0.240	124.500	
SANDSTONE, light grey, medium to coarse, sporadic very coarse interbeds, lithic, silty phases at top, bedding thick to massive, subparallel, blocky to massive, sorting good	24.500	149.00	

BASE OF HOLE