





R.L.8816

737002

**ANNUAL REPORT FOR THE 12 MONTH PERIOD TO 09.12.95;  
CORNWALL COAL CO. N.L.**

This area of 56 km<sup>2</sup> includes the Duncan mining lease, which is still being held by Cornwall Coal. This area was extensively drilled prior to 1985 by the Department of Mines; most of the drill holes being on the Fingal Tier. Along the Fingal Valley, on the northern slopes of the Fingal Tier, the Triassic strata occasionally crop out. The St. Marys 1:50,000 geological map shows the extensive dolerite scree that obscures most of the Upper Parmeener Super-Group that includes the coal measures.

In March 1995 two exploratory drill holes were located in the hills south of "Killymoon" to test the lower coal measures for potentially economic coal seams.

Killymoon RDH8 (Appendix A), collared at 310m, intersected only 19.6m of coal measures before passing into the quartzose sandstone unit (mapped as Rq) at the base of the Triassic.

Killymoon RDH9 (Appendix A) was collared at 370m in the unit mapped as Rl, the sequence of lithic sandstones with coaly sediments that is widespread in the Fingal district. Several thin coal seams and carbonaceous mudstones were intersected before the drill hole was terminated at 37.0m.

The two holes drilled in the reporting period were located on existing farm access tracks. The drilling was completed in one day. No site rehabilitation was necessary, as there was no disturbance to the ground around the drill holes.

The coaly intervals encountered in the drilling are probably reasonably continuous, and may correlate with the coal at "Harefield", some 8 km to the east. The generally steep terrain and the extensive scree in R.L.8816 generally preclude the possibility of locating open cut coal resources. On this basis the area is not considered to warrant further retention.





737004

**APPENDIX A**

**R.L.8816**

**DRILL LOGS**

**KILLYMOON RDH8  
KILLYMOON RDH9**

937005

## CORNWALL COAL KILLYMOON RDH8

**Location:** "Killymoon" **Logged by:** J. BRYAN  
**AMG Coordinates:** E589500 **Drilled by:** STACPOOLE DRILLING  
                           N5391850  
**Collar R.L.:** 310m **Commenced:** 15.3.95  
**Total Depth:** 25.0m **Completed:** 15.3.95

	Estimated Thickness (m)	Estimated Depth to Base of Stratum (m)	Remarks
SOIL and SCREE of DOLERITE	3.7	3.7	6 1/2" hammer DRY HOLE
MUDSTONE, brown/grey, partly weathered. some hard siliceous bands	12.0	15.7	
SILTSTONE, hard, grey	0.7	16.4	
MUDSTONE, grey/brown partly weathered	1.0	17.4	
MUDSTONE, black, carbonaceous, soft	0.4	17.8	
MUDSTONE, grey/brown	1.8	19.6	
SANDSTONE, orange/brown, partly weathered, fine grained, quartzose	5.4	25.0	T.D. SANDSTONE AT BASE OF HOLE MAY BE MARKER BED

ALSO IN TCR95-3813 HOLES 8,9

## CORNWALL COAL KILLYMOON RDH9

<b>Location:</b>	"Killymoon"	<b>Logged by:</b>	J. Bryan
<b>AMG Coordinates:</b>	E589920 N5391800	<b>Drilled by:</b>	Stacpoole Drilling
<b>Collar R.L.:</b>	370m	<b>Commenced:</b>	15.3.95
<b>Total Depth:</b>	37.0m	<b>Completed:</b>	15.3.95

	Estimated Thickness (m)	Estimated Depth to Base of Stratum (m)	Remarks
SOIL, CLAY & SCREE	1.0	1.0	6 1/2 " hammer to 37.0m
CLAY, ?weathered, mudstone	3.0	4.0	
SANDSTONE, brown, weathered	6.5	10.5	
MUDSTONE, brown, weathered	2.1	12.6	
COAL (10%) and CARBONACEOUS MUDSTONE (90%)	0.3	12.9	
SANDSTONE, brown, partly weathered	0.2	13.1	
MUDSTONE, grey, unweathered	4.2	17.3	
COAL (80%) and BLACK MUDSTONE (20%)	0.8	18.1	Water in coal seam (may be 1000 litres per hour)
MUDSTONE, grey	3.4	21.5	
SANDSTONE, grey, fine grained, lithic (typical coal measures sandstone)	13.7	35.2	
MUDSTONES, grey/brown	1.8	37.0	T.D.