

RL 8816

204002

FINAL REPORT

This area of 56 km² includes the Duncan mining lease, which is held by Cornwall Coal. The 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 holes were drilled by Cornwall Coal in the hills south of "Killymoon" to test the lower coal measures for potentially economic coal seams.

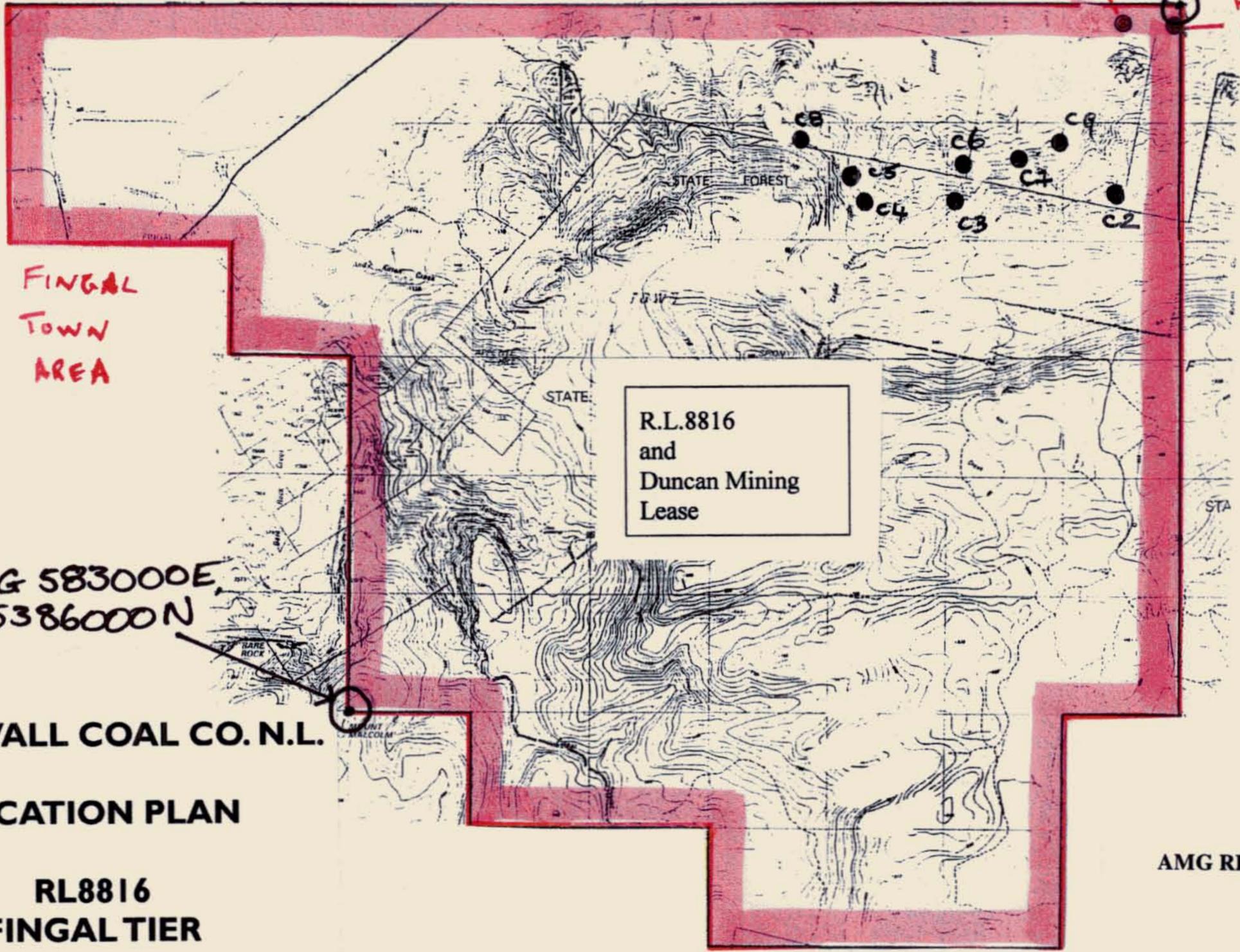
Killymoon RDH8 (Appendix A), collared at 310m, intersected only 19.6m of coal measures before passing into the quartzose sandstone unit (mapped as Rq) at the base of the Triassic.

Killymoon RDH9 (Appendix A) was collared at 370m in the unit mapped as R1, 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.

These two holes 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 may be reasonably continuous, and could correlate with the coal at "Harefield", some 8km to the east. The generally steep terrain and the extensive scree in R.L.8816 generally precludes the possibility of locating open cut coal resources. On this basis the area is not considered to warrant retention.

The location plan shows a number of HEC drill holes in this area, and summary data on these is included in Appendix B for reference. Drilling further south on the Fingal Tier was undertaken by the Department of Mines and is discussed in The Coal Resources of Tasmania (Bacon, C.A. 1991. The coal resources of Tasmania Bull. GeolSurv.Tasm.64)



204003

CORNWALL COAL CO. N.L.

LOCATION PLAN

RL8816
FINGAL TIER

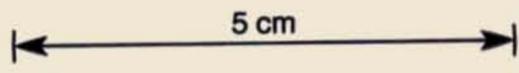
SCALE 1:50,000

NOVEMBER 1998

AMG REFERENCE POINTS ADDED

RDH8 ● CORNWALL COAL DRILL HOLE

C5 ● HEC DRILL HOLE



204004

APPENDIX A

R.L.8816

DRILL LOGS

**KILLYMOON RDH8
KILLYMOON RDH9**

CORNWALL COAL KILLYMOON RDH9

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

204007

APPENDIX B

RL 8816

**DRILL HOLE DATA FROM
H.E.C. drilling (1964-1966)**

TABLE FT2
SUMMARY OF H.E.C. DRILL HOLE DATA
FINGAL VALLEY

204008

(Holes drilled in the period 22.10.64 to 10.10.66)

Hole Locations - (approximate) AMG

	<u>EASTING</u>	<u>NORTHING</u>	<u>COLLAR R.L.</u>
Hole C1	589400	5389530	638m
Hole C2	589440	5390460	509m
Hole C3	588050	5390380	455m
*Hole C4	587270	5390330	405m
Hole C5	587160	5390600	401m
Hole C6	588150	5390660	395m
Hole C7	588600	5390690	402m
Hole C8	586760	5390900	450m
Hole C9	589990	5390840	393m

This data was derived from information in Unpublished Report 1983/46 - Dept. Mines. Tas. and H.E.C. Report "Coal Resources Investigation - Fingal Area", 1967.

*Location on Page 85 has Easting and Northing reversed

H.E.C. DRILL HOLES

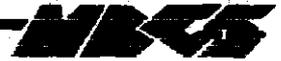
204009

SUMMARY OF SIGNIFICANT COAL INTERSECTIONS

				<u>R.L. (m) Base</u>
<u>HOLE C1</u>	0 - 116m	Dolerite scree		
Collar R.L.				
638m	140.4 - 142.6	Coal	(2.2m)	
	142.6 - 146.1	Coal & bands	(3.5m)	492
	160.3 - 161.5	Coal & bands	(1.2m)	
	163.1 - 164.9	Coal	(1.8m)	473
	190.3 - 191.5	Coal	(1.2m)	446
	216.3 - 217.0	Coal	(0.7m)	421
	239.1 - 239.7	Coal	(0.6m)	
	240.3 - 241.0	Coal	(0.7m)	397
<u>HOLE C2</u>	20.3 - 21.3	Coal	(1.0m)	
Collar R.L.	23.2 - 24.9	Coal & bands	(1.6m)	484
509m	40.2 - 45.0	Coal & bands	(4.8m)	464
<u>EAST FINGAL SEAM?</u>	159.1 - 162.5	Coal	(3.4m)	346
	245.4	Base of Triassic		264

204010

				<u>R.L. (m) Base</u>
<u>HOLE C3</u>	28.7 - 29.8	Coal	(1.1m)	
<u>Collar R.L.</u>	30.7 - 31.4	Coal	(0.7m)	
455m	34.6 - 35.3	Coal	(0.7m)	420
<u>EAST FINGAL SEAM</u>	65.6 - 66.5	Coal	(0.9m)	389
	69.8 - 72.2	Coal	(2.4m)	383
	78.5 - 79.5	Coal	(1.0m)	375
	82.6 - 83.2	Coal	(0.6m)	
	85.6 - 86.3	Coal	(0.7m)	
	91.3 - 92.0	Coal	(0.7m)	363
	159m	Base of Triassic		296
<u>HOLE C4</u>	16.9 - 17.5	Coal	(0.6m)	388
<u>Collar R.L.</u>	23.6 - 24.4	Coal	(0.8m)	381
405m	30.2 - 31.0	Coal & bands	(0.8m)	374
	104.2	Base of Triassic		301
<u>HOLE C5</u>	20.1 - 20.6	Coal	(0.5m)	380
<u>Collar R.L.</u>	27.0 - 28.7	Coal	(1.7m)	372
401m	96.6	Base of Triassic		304
<u>HOLE C6</u>	16.6 - 17.5	Coal	(0.9m)	378
<u>Collar R.L.</u>	20.4 - 20.9	Coal	(0.5m)	374
395m	24.6 - 26.4	Coal	(0.8m)	369
	28.8 - 29.9	Coal	(1.1m)	365
	100.6	Base of Triassic		294



R.L. (m) Base

<u>HOLE C7</u> Collar R.L. 402m	17.7 - 20.1	Coal	(2.4m)	382
	22.1 - 23.8	Coal	(1.7m)	378
	31.1 - 32.0	Coal	(0.9m)	370
	43.0 - 44.2	Coal	(1.2m)	358
	112.5	Base of Triassic		289
<u>HOLE C8</u> Collar R.L. 450m	0 - 83.5m	Dolerite Scree		366
	86.9 - 88.7	Stony Coal (1.8m)		361
	155.8	Base of Triassic		294
<u>HOLE C9</u> Collar R.L. 395m	0 - 38m	Dolerite Scree		355
	48.5 - 50.6	Coal	(2.1m)	342
	54.8 - 57.0	Stony Coal (2.2m)		336
	112.4	Base of Triassic		281