

Diamond Drilling: No diamond drilling was carried out during the year for the Department. The drill was hired from June to December by the King Island Scheelite Development Company to test the scheelite deposits at Grassy, King Island.

Drilling Shale Beds in Mersey River Valley, Latrobe: To further test these deposits the drilling campaign was continued.

Boring operations with the Victoria (Calyx) drilling plant commenced on the 24th April on the lease of Tasmanite Shale Oil Co. Ltd. The operations were continued until the 8th September and, in all, six holes were put down, none of which intersected the shale seam.

The details of the holes are as follows:-

	<u>Total depth</u>		<u>Bedrock</u>
	<u>ft.</u>	<u>ins.</u>	
No. 11	149	4	Dolerite
" 12	251	4	Mica schist
" 13	61	0	" "
" 14	145	6	Limestone
" 15	60	0	Mica schist
" 16	315	0	Mudstone.

The above represents a total depth of nearly 1000 feet.

This drilling has proved the approximate position of the eastern boundary of the shale seam to have a general N 20° W trend from a point five chains east of the north-eastern corner of W. Dyson's 49 ac. Pur. lot, at one time 145P/M.

When operations ceased the last hole No. 16 was still in shale measures at a depth over 300 feet so that further drilling is necessary to determine the probable northern extension of the shale seams.

Dulverton-Bailton Coal Area: At the request of the miners, drilling with the Victoria (Calyx) drill was undertaken on the "New Bed" coalfield, with the object of obtaining useful data regarding structure, faults etc. in connection with future development and to prove the extension of the coal seams at places most advantageous to the miners concerned.

Boring operations commenced on 17th September and were continued until the end of the year. In all, seven holes were put down, with the exception of Nos. 5 and 7, all of which intersected the coal seam.

The details of the holes are as follows:-

<u>No. of hole</u>	<u>Depth</u>	<u>Coal Inter- sected at.</u>	<u>Width of Seam.</u>
1.	254'	79'8"	1'5"
2.	52'	48'	3"
3.	75'	73'	1'9"
4.	73'	72'1"	7"
5.	63'	-	-
6.	53'	51'4"	10"
7.	236'8"	-	-

The drilling campaign has proved sufficient coal for many years mining and has been most beneficial to the coal mining industry of the district.

9/10/65. Q.J. Henderson(Sgd) ASSISTANT GOVERNMENT GEOLOGIST.

DRILLINGDIAMOND DRILL - LEFROY

31.1.35 - 5.10.35

No. of Men Employed 5
 No. of Holes 3

Total Depths of Holes 2498 ft.

No.	Depth (feet)	Values (Gold & Silver)
1	1167	825 - 840 ft. traces 831 - 833 ft. 1 dwt. 1 grn. gold per ton
2	1260	459 - 461 ft. traces 588 - 598 - " 1091 - 1096.5 - "
3	71	No results.

CALYX DRILL.

Blue Tier

19.3.35 - 1.8.35

No. of Men Employed 3
 No. of Holes 7

Total Depths of Holes 342.6 ft.

No.	Depth	Value (% Tin)
1	45 ft.	Trace
2	40 "	Nil
3	77'5"	.15%
4	60 "	.12%
5	36 "	.02%
6	57 "	Nil.
7	27 "	Nil.

CALYX DRILL.

Scotia Mine, Gladstone

15.8.35 - 12.10.35

No. of Men Employed 3
 No. of Holes 10

Total Depths of Holes 630

No.	Depth (feet)	Value - Tin (oz. per cubic yd. of 70% Conc.)
1	70	10.24
2	68	1.8
3	45	Trace
4	65	.64
5	70	4.4
6	73	10.24
7	74	0.928
8	70	Results not to hand
9	75	" " " "
10	70	" " " "

Hand Boring for Water - Cape Barren Island

19.8.35 -

No. of Men Employed	5
No. of Holes	18
Total Depths of Holes	529.5 ft.

No.	Depth	Result
A. Line		
1	6	No water
2	6	-
3	35	Water 2 ft. from Surface
4	50	" 25 ft. " "
5	50	" 30 ft. " "
B. Line		
1	12.5	Water 6 ft. from Surface
2	20	" 1 ft. " "
3	46	Water to Surface
4	50	" " "
5	45	Water 25 ft. from Surface
C. Line		
1	18	No water
2	18	" "
3	45	Water 20 ft. from Surface
D. Line		
1	24	Water 6 ft. from Surface
2	26	" 6 ft. " "
3	15	Water showing freely to Surface.
AA. Line		
1	33	Trace of water to 8 ft.
2	30	Trace of water to below Surface.

T.D.H.

22.10.35