

NARACOOPA RUTILE LTD

**REPORT ON DRILLING OF E.L. 14/66
ON KING ISLAND FOR NARACOOPA RUTILE**

K. McMAHON AND PARTNERS

20/10/70

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REPORT ON DRILLING OF E.L. 14/66
KING ISLAND, TASMANIA.

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INTRODUCTION

This report summarises the drilling done by Naracoopa Rutile Ltd. on Exploration Licence 14/66 to October 19, 1970. It is intended as a final report prior to relinquishing the licence.

SUMMARY

A total of 139 holes were drilled by the company, totalling 1986 feet, in an effort to discover economic heavy mineral deposits. In addition, samples taken by Dr. L. Wright of London University during a soil sample of King Island were acquired by the company, and analysed for heavy mineral content. These samples represent a further 69 holes, totalling 1222 feet.

All drilling was done by conventional hand-augering methods. Visual inspections of the whole area for signs of heavy mineral concentration, were also carried out during the programme.

CONCLUSION

The drilling and inspections carried out represent a reconnaissance survey of the whole area of E.L. 14/66. The programme did not indicate the presence of economic heavy mineral deposits, nor did it give any encouragement for the company to continue exploration in the area. The company, therefore, informed the Tasmanian Department of Mines that the Licence would not be renewed on October 19, 1970.

GEOLOGY

The geology, soil types, coastal features and dune structures have been described in a report submitted to the Department of Mines entitled "Report on E.L. 13/66, E.L. 14/66 and E.L. 9/69, King Island, Tasmania" dated February 27, 1970.

SUMMARY OF HOLES DRILLED

	Line	No. of holes	Approx. Spacing	Total Footage
1. Naracoopa Rutile Ltd.	R	30	100'	267'
	YR	30	200'	759'
	YR1	29	500'	311'
	YR3	24	200'	408'
	YR4	26	200'	241'
	SUB-TOTAL	139		1986'
2. Samples acquired from Dr. Wright	34	4	1000'	30'
	35	14	2000'	412'
	36	7	1000'	145'
	37	9	2000'	165'
	38	8	2000'	80'
	39	7	2000'	115'
	40	8	2000'	105'
ISG REFER REPORT 70-0676	41	6	2000'	80'
	42	6	2000'	90'
	SUB-TOTAL	69		1222'
	TOTAL DRILLING	208		3208'

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Report on Drilling
of E.L. 14/66

-2-

ASSAY RESULTS

Average assays for each of the 208 holes drilled are shown on the attached tabulations. Holes were sampled at 5 ft. intervals and the hole assay obtained by weighted average.

The drilling done by the company failed to encounter any values in excess of 1% H.M. except in very short holes on Lines YR3 and YR4.

Wright's holes also failed to encounter economic mineral.

20th October, 1970.

Kenneth McMahon & Partners Pty. Limited
General Managers.

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TABLE VI

LINE YR

<u>Hole</u>	<u>Depth</u>	<u>% H.M.</u>
1		0.5
2	20'	0.3
3	15'	0.3
4	23'	0.5
5	17'	0.2
6		
7	25'	0.3
8	20'	0.4
9	25'	0.8
10	9'	0.3
11	8'	0.4
12	7'	0.7
13		
14	5'	0.2
15		
16	4'	0.2
17		
18		
19	5'	ns
20	5'	ns
21		
22	5'	0.3
23	7'	0.3
24	15'	0.7
25	25'	0.5
24	20'	0.4
27	25'	0.5
28	10'	0.5
29	15'	0.2

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TABLE VII

LINE R

<u>Hole</u>	<u>Depth</u>	<u>Base</u>	<u>Colour</u>	<u>W.T.</u>	<u>G. H.M.</u>
101	20'	CI	Br/Y	dry	<0.1
102	20'	CI	Y	dry	<0.1
103	20'	CI	Br/Y	dry	<0.1
104	20'	CI	Br/Y/Wh	dry	<0.1
105	20'	CI	Br/Y	dry	<0.1
106	20'	CI	Gr/Y	dry	<0.1
107	20'	CI	Br/Y	dry	<0.1
108	20'	CI	Br/Y	dry	<0.1
109	20'	CI	Gr/Y	20'	<0.1
110	7'	CI	Br	7'	<0.1
111	3'	CI	Br/Bl	3'	<0.1
112	5'	CI		2'	<0.1
113	5'	CI		4'	<0.1
114	5'	CI		4'	<0.1
115	5'	CI		4'	<0.1
116	5'	CI		4'	<0.1
117	5'	CI		4'	<0.1
118	4'	R		dry	<0.1
119	4'	R		dry	<0.1
120	2'	R		dry	<0.1
121	4'	Bl		dry	<0.1
122	4'	CI		dry	<0.1
123	4'	CI		dry	<0.1
124	4'	W	Wh	4'	<0.1
125	4'	CI		4'	<0.1
126	4'	CI		dry	<0.1
127	4'	W		4'	<0.1
128	3'	CI		dry	<0.1
129	3'	CI		dry	<0.1
130	3'	CI		dry	<0.1

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TABLE VIII

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LINE YRI

<u>Hole</u>	<u>Depth</u>	<u>Base</u>	<u>Colour</u>	<u>W.T.</u>	<u>S. H.M.</u>
0	13'	CI	Y	9'	0.8
2	24'	CI	Y/Wh	20'	0.4
4	23'	CI	Y/Gr	1'	0.4
6	17'	CI	Y/Wh	15'	0.5
8	13'	CI	Y/Wh	10'	0.4
10	21'	CI	Y/Gr		0.5
12	7'	CI	White		0.2
14	4'2"	R			0.8
16	15'	R	W/Br		0.2
					5-10' NS
18	23'	H.S.	Y		0.4
					0-5' NS
20	12'	H.S.	Y		0.3
22	12'	CI	Y/Gr		0.4
24	4'	CI	Y		0.2
26	4'7"	CI	Y		N.S.
28	5'	CI	White	4'	0.2
30	18'	H.S.	Y		0.4
					5-10' NS
32	10'	S	Y	2'	0.2
34	8'	S	Y	8'	0.3
36	18'	H.S.	Gr/Y		0.5
38	60'	R	Y		0.4
					10-15' NS
					20-25' NS
40	60'		Y	60	0.4
42	33'	CI	Y		0.4
44	50'		Y		0.4
46	60'		Y		0.5
					35-40' NS
					40-45' NS
48	60'		Y		1.1
50	27'	R	Y		0.4
52	43'	R	Y		0.5
54	36'		Y	36'	0.6
56	33'	CI	Y	30'	0.4
58	45'		Y		0.4

759'

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EL 14/66

LINE Y3

<u>HOLE</u>	<u>DEPTH</u>	<u>% HM</u>
0	3'	1.48
1	35'	.62
2	35'	.48
3	30'	.49
4	60'	.62
5	45'	.48
6	8'	.75
7	12'	.47
8	8'	.36
9	10'	.39
10	10'	.60
11	7'	1.18
12	10'	.90
13	5'	.51
14	7'	.66
15	5'	.32
16	5'	.22
17	5'	.86
18	10'	.51
19	15'	.66
20	13'	.56
21	10'	1.32
22	22'	.30
23	22'	.36
24	18'	.66

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14/66

LINE Y4

<u>HOLE</u>	<u>DEPTH</u>	<u>% HDI</u>
1	5'	0.25
2	10'	0.46
3	5'	0.39
4	8'	0.73
5	7'	1.15
6	5'	1.00
7	5'	0.25
8	15'	0.68
9	5'	1.27
10	5'	0.55
11	17'	0.93
12	25'	0.92
13	10'	0.93
14	10'	0.84
15	5'	0.75
16	10'	0.57
17	10'	0.57
18	5'	0.45
19	10'	0.40
20	10'	0.64
21	5'	0.39
22	10'	0.62
23	8'	0.41
24	10'	0.41
25	8'	0.51
26	13'	1.17
	<u>241'</u>	

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TABLE 18

LINE 34

<u>Hole No.</u>	<u>Depth</u>	<u>Colour</u>	<u>%H.M.</u>
1	5'	Y	1.6
2	5'	Y	2.7
3	10'	Wh	0.4
4	10'	Wh	0.3

008

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TABLE 19LINE 35

<u>Hole No.</u>	<u>Depth</u>	<u>Colour</u>	<u>%H.M.</u>
1	15'	Y	0.9
2	4'	Y	0.3
3	60'	Y/Br/G ₂	1.0
4	40'	Y/Br/G ₂	0.4
5	35'	Y/G ₂	0.5
6	25'	Y/G ₂	0.4
7	60'	Y/Wh/G ₂	0.6
8	30'	Y/WH/G ₂	0.3
9	35'	Y/G ₂	0.4
10	23'	Wh/G ₂	0.5
11	5'	-	0.8
12	30'	Y/G ₂	1.1
13	30'	Y/G ₂	2.2
14	20'	Y	1.3

009

961010

TABLE 20

LINE 36

<u>Hole No.</u>	<u>Depth</u>	<u>Colour</u>	<u>%H.M.</u>
1	15'	Y	0.8
2	20'	Y	0.4
3	15'	Y	0.4
4	25'	Y/G ₂	0.5
5	20'	Wh/G ₂	0.3
6	25'	Wh/G ₂	0.4
7	25'	Wh/Br/G ₂	0.3

010

961011

TABLE 21LINE 37

<u>Hole No.</u>	<u>Depth</u>	<u>Colour</u>	<u>%H.M.</u>
1	10'	Y	0.3
2	20'	Y	0.5
3	25'	Y/G ₂	0.6
4	15'	Wh/G ₂	0.6
5	15'	Wh/G ₂	0.6
6	20'	Wh/G ₂	0.4
7	25'	Wh/Br	0.5
8	10'	Wh	0.3
9	25'	Y/Wh/G ₂	0.5

011

961012

TABLE 22

LINE 38

<u>Hole No.</u>	<u>Depth</u>	<u>Colour</u>	<u>%H.M.</u>
1	5'	Y	0.4
2	15'	Y	0.5
3	10'	Y	0.3
4	5'	Wh	0.4
5	5'	Wh	0.3
6	15'	G/Br	0.8
7	15'	G/Br	0.8
8	10'	Gr	0.8

012

961013

TABLE 23

LINE 39

<u>Hole No.</u>	<u>Depth</u>	<u>Colour</u>	<u>%H.M.</u>
1	15'	Y	0.7
2	25'	Y/G _n	0.5
3	20'	Y	0.5
4	25'	G/Br	0.5
5	10'	Wh	0.5
6	15'	Wh/G _n	0.3
7	5'	G _n	0.6

013

961014

TABLE 24

LINE 40

<u>Hole No.</u>	<u>Depth</u>	<u>Colour</u>	<u>%H.M.</u>
1	5'	Y	0.6
2	15'	Y	0.6
3	10'	Wh	< 0.1
4	15'	Wh	< 0.1
5	15'	Wh	0.3
6	20'	Wh/G _λ	0.4
7	10'	G _λ	< 0.1
8	15'	Wh/G _λ	0.3

014

961015

TABLE 25

LINE 41

<u>Hole No.</u>	<u>Depth</u>	<u>Colour</u>	<u>%H.M.</u>
1	10'	Y	0.6
2	15'	Y	0.7
3	10'	Y	0.8
4	15'	Wh/Ga	<0.1
5	10'	Wh	0.7
6	20'	Wh/Ga	0.3

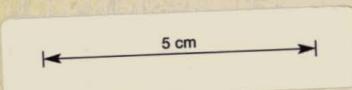
015

961016

TABLE 26

LINE 42

<u>Hole No.</u>	<u>Depth</u>	<u>Colour</u>	<u>%H.M.</u>
1	10'	Y	0.7
2	15'	Y	0.3
3	20'	Y/Gx	0.6
4	15'	Wh/Gx	<0.1
5	20'	Wh	0.4
6	10'	Gr	0.3



CHAINS 0 40 80 120 CHAINS

YELLOW ROCK FORELAND

Muddy Lagoon

AM9
229800E
5599500N

WHISTLER POINT

YRA
YELLOW ROCK TOWN RESERVE

Line 34

Line 36

Line YR1

Line 35

Line 37

DUCK BAY

DUNES

Line 38

YRB

Line 40

Line 39

E11 Ck.

Bungaree Lagoon

Creek

Line YR

SOUTHERN

Bungaree

Line YR4

YRC

Line 41

Line YR3

Line 42

Pass River

OCEAN

961017

70-678

NARACOOPA RUTILE LIMITED	
BASE PLAN E.L. 14/66	Scale: 40ch = 1 in.
	Date:
	446 - 056
Kenneth McMahon & Partners Pty. Ltd.	

AM9
233700E
5487300N

ISG REFER REPORT 70-0676