

C O N T E N T S

Summary of exploration 1989-90

Exploration during 1990-91

Exploration Proposal for 1991-92

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Location Map

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Summary of Exploration 1989-90

Ten percussion holes were drilled along a road reservation and on private property in the vicinity of Blackwood Bridge on the Bass Highway.

Exploration during 1990-91

Surface sampling and further percussion drilling were undertaken to extend the prospecting area a further 500m to the north of the previous year's programme.

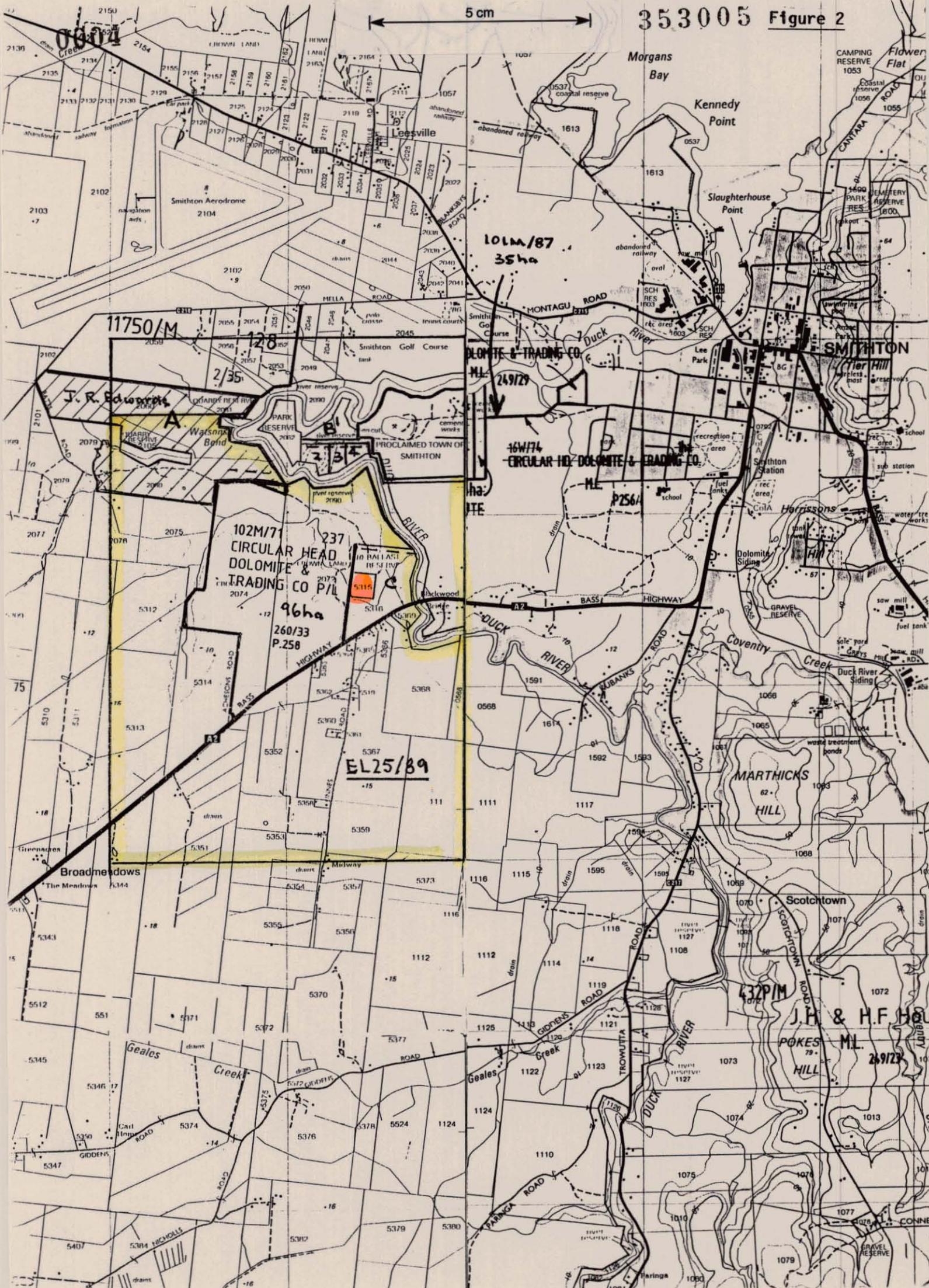
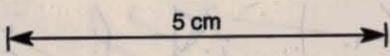
Chemical Analyses of both surface and borehole samples are given in the table (see Appendix).

Exploration Proposal for 1991-92

The licence holder is currently investigating dolomite in the Redpa area and has licence applications for dolomite in Montagu Plains and Brittons Swamp.

The market for this mineral is limited and continued exploration in the Smithton licence area is dependent on success in the other areas and in the success of the company's market strategy.

It is proposed to bulk sample the dolomite in the northwest corner of the licence or in the adjoining ballast reserve (UPI 5315). A decision to implement this proposal will be made within the next six months and a management plan for the undertaking will be submitted at that time.



11750/M

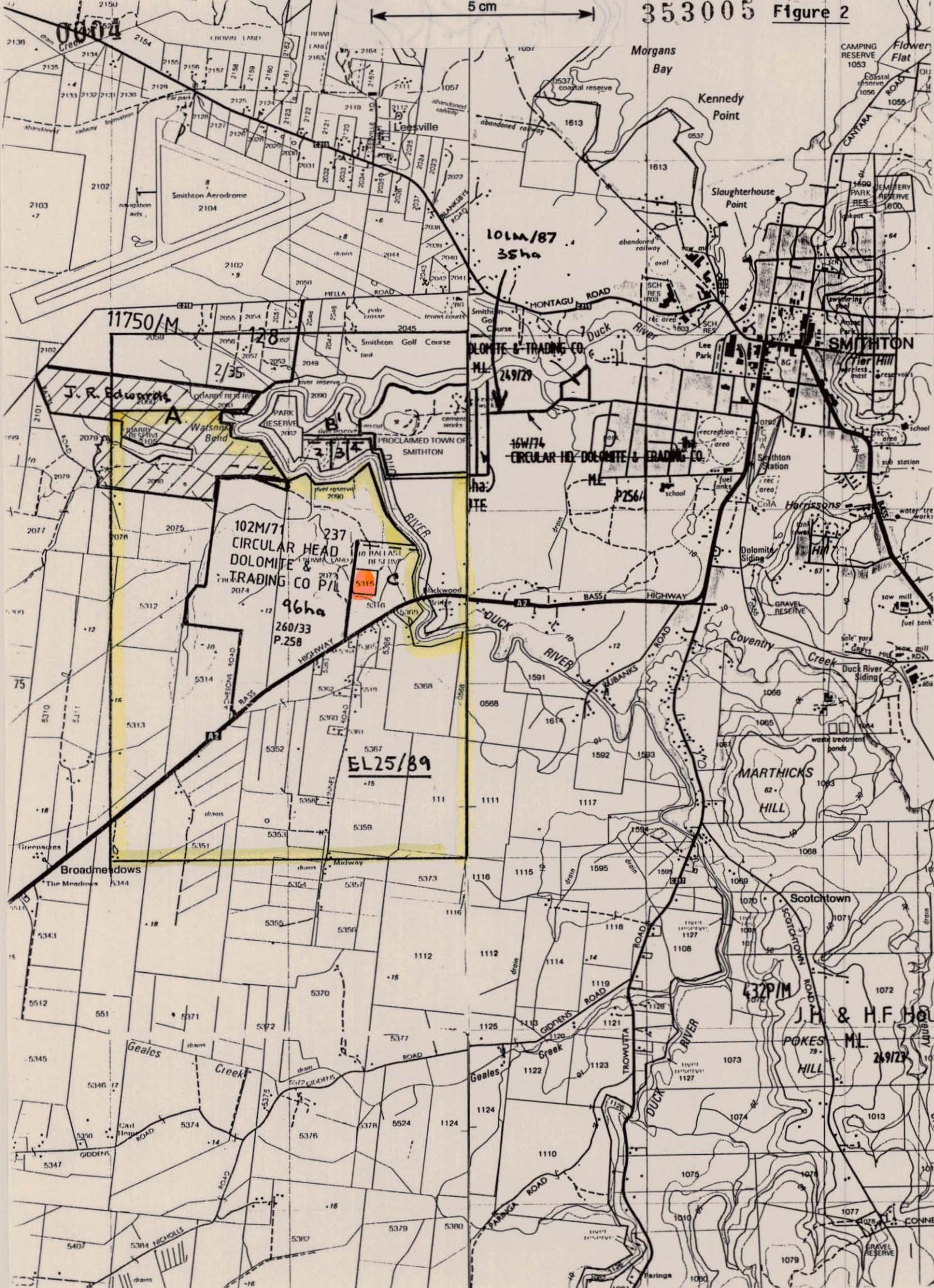
101M/87
35ha

102M/71
CIRCULAR HEAD
DOLOMITE &
TRADING CO P/L
96ha
260/33
P.258

EL25/89

16W/74
CIRCULAR HD DOLOMITE & TRADING CO
ML
P256

107M/102
J.H. & H.F. HOLLAND
POKES HILL
ML
269/23

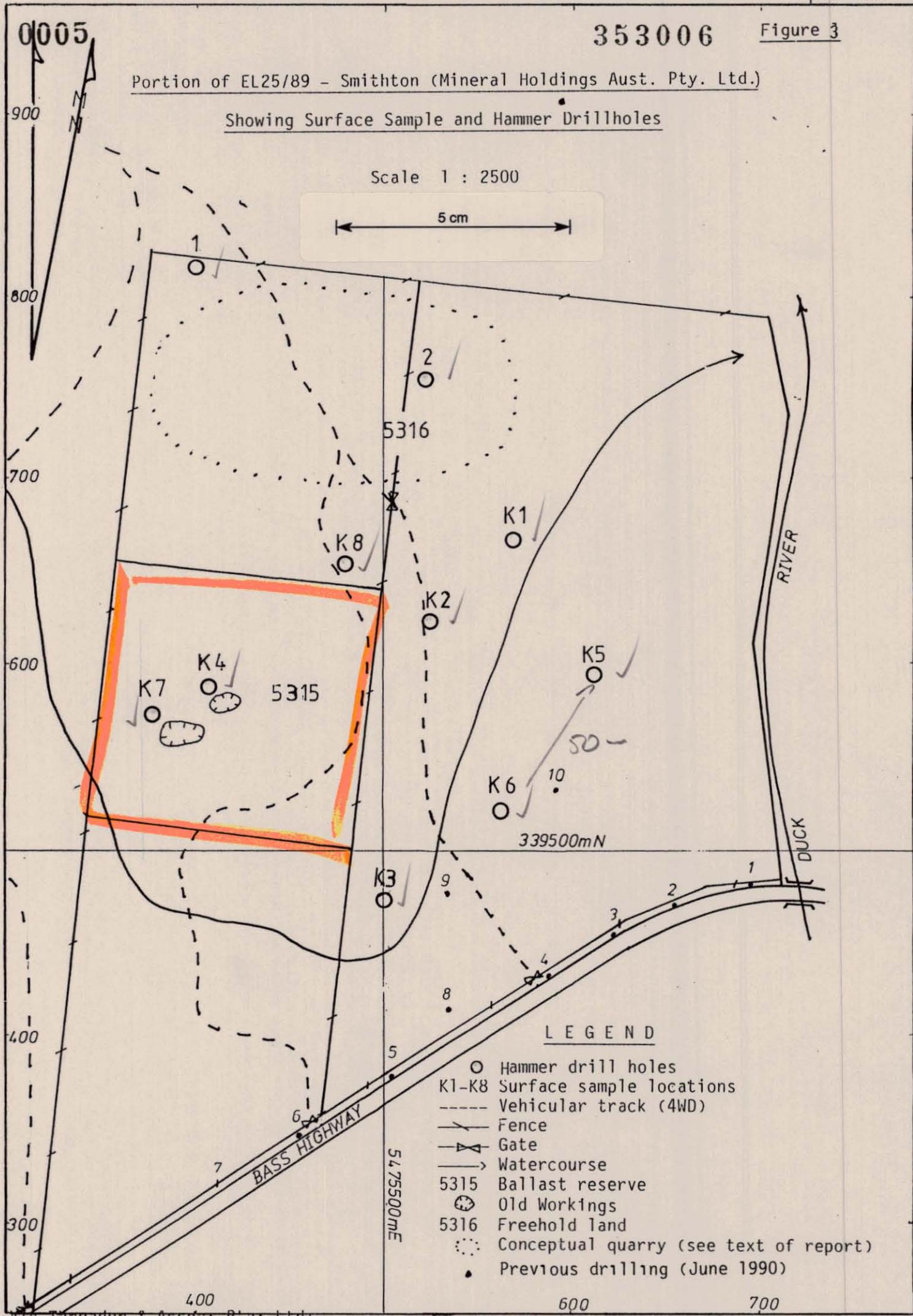


Portion of EL25/89 - Smithton (Mineral Holdings Aust. Pty. Ltd.)

Showing Surface Sample and Hammer Drillholes

Scale 1 : 2500

5 cm



LEGEND

- Hammer drill holes
- K1-K8 Surface sample locations
- Vehicular track (4WD)
- |— Fence
- X— Gate
- > Watercourse
- 5315 Ballast reserve
- ⊗ Old Workings
- 5316 Freehold land
- ⋯ Conceptual quarry (see text of report)
- Previous drilling (June 1990)

E.L. 25/89 (SMITHTON) - DRILLING RESULTS - SEPT. 1990

BH No.	AMG Ref.		Depth		Thick- ness(m)	Sample No	Drilling Time Mins/m	DoM Lab. Ser.No.	SiO ₂	TiO ₂	Al ₂ O ₃	Fe ₂ O ₃	MnO	Mgo	CaO	Na ₂ O	Chemical Analysis			LoI	Particle Sizing	
	mE	mN	From	To													K ₂ O	P ₂ O ₅	SO ₃		-10µm %	-50µm %
D.1	5475400	339810	0 ½ ½ 4 4 7	1 3 3 ½ 3	1	1.1	*904080	0.31	<0.01	0.03	0.13	0.01	21.09	30.25	0.03	<0.01	0.003	0.05	46.24	20	60	
D.2	5475520	339750	0 4 4 5 5 6 6 7 7 8 8 9 9 10	1 4 1 1 1 1 1 1 1 1 1 1 1 1	DK1.1 DK1.2	8 6	*904081	1.94	0.03	0.02	0.13	0.01	20.31	29.79	0.01	<0.01	0.002	0.02	45.78	20	60	
DK1	5475570	339670	0 1 1 2	1 1 1 1	DK1.1 DK1.2	8 6	§903836 *904074	<0.01 0.09	<0.01 0.07	0.01 0.01	0.20 0.21	0.01 0.02	23.50 21.54	29.04 30.73	0.09 0.09	<0.01 <0.01	0.027 0.003	0.13 0.05	47.29 46.55	10	30	
DK2	5475520	339620	0 1 1 2 2 3 3 4 4 5 5 6 6 7 7 8 8 9 9 10	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DK2.1 DK2.2 DK2.3 DK2.4 DK2.5 DK2.6 DK2.7 DK2.8 DK2.9 DK2.10	6 6 7 5 5 3 5 4 5	§903837 *904075	<0.01 <0.01	<0.01 <0.01	0.01 <0.01	0.16 0.18	0.01 0.01	23.80 22.25	29.42 30.03	0.13 0.06	0.01 <0.01	0.18 0.005	0.08 0.05	47.28 46.63	10	20	
K.3	5475500	339470					§903838	<0.01	<0.01	0.01	0.08	0.01	22.50	29.34	0.24	0.01	0.009	0.09	47.26			
DK4	5475410	339590	0 1 1 2 2 3 3 4 4 5 5 6 6 7 7 8 8 9 9 10	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DK4.1 DK4.2 DK4.3 DK4.4 DK4.5 DK4.6 DK4.7 DK4.8 DK4.9 DK4.10	5 7 7 8 8 9	§903839 *904076	<0.01 <0.01	<0.01 <0.01	0.01 <0.01	0.20 0.19	0.01 0.01	21.39 22.23	31.08 30.33	0.17 <0.01	<0.01 <0.01	0.004 0.003	0.10 0.03	47.27 46.78	10	40	

§ = Analysis of outcrop

* = Analysis of composite borehole samples

Theoretical composition of Dolomite:

21.70 30.4

47.9

353009



Department of Resources & Energy

DIVISION OF MINES & MINERAL RESOURCES

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TASMANIA 7249

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18.9.90

Mineral Holdings
2nd Floor
100 Collins Street
Melbourne 3000

Reg. Nos 903836-41 903942-3 903983-88

Dear Sir,

Please find below results of Gold analyses submitted to this laboratory.

<u>Reg. No</u>	<u>Description</u>	<u>Au g/t</u>	<u>50 grams</u>
903836	K 1	0.03	
837	K 2	0.04	
838	K 3	0.16	
839	K 4	0.04	
840	K 5	0.06	
841	K 6	0.04	
903942	K 7 Blackwood Bridge	<0.02	
943	K 8	<0.02	
903983	T 1 Smithton area	<0.02	
984	T 2	<0.02	
985	T 3	<0.02	
986	T 4	<0.02	
987	T 5	<0.02	
988	T 6	<0.02	

Analyses by..... *L.M. Hey*

Yours faithfully,

Al Zani
(D. Zani)

Chief Chemist & Metallurgist



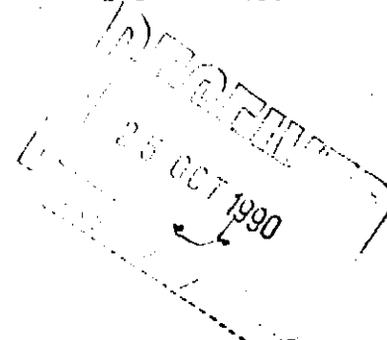
Department of Resources & Energy

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Enquiries: R.S. Bottrill
 Phone: 30 8359
 Your ref:
 our file: RSB52.90:JH

22 OCT 1990



Mr N Thomas
 Mineral Holdings
 100 Collins Street
 MELBOURNE VIC 3000

Dear Sir,

EL. 25/89.

SMITHTON K1 to K8 & Sample^D 1 + 2,

SIZE ANALYSIS OF DOLOMITE, ~~PTP RANGE~~

Eight drill-chip samples of dolomite ore were submitted via our Launceston Laboratories for size analysis, and registered by our laboratories as G400967-974. The samples were prepared as thin sections and examined by polarised light microscopy; the results (Table 1, enclosed) indicate a wide range in grain size. The grain size ranges used in this table are the standards for carbonates: cryptocrystalline (<1µm), microcrystalline (1-10µm), finely crystalline (10-50µm), mesocrystalline (50-1000µm) and macrocrystalline (>1000µm). Using this classification the dolomite varies from mesocrystalline to finely crystalline, with relatively small microcrystalline contents and only traces of cryptocrystalline and microcrystalline material. Using the magnesite classification of M. Frost (CSIRO) the "cryptocrystalline" (<10µm) content is 10-20%, the remainder being "microcrystalline" (>10µm).

Please find enclosed Invoice No. 18843 for \$360.00 for these eight petrographic size analyses, including special treatments.

Yours faithfully,

R.S. Bottrill
 MINERALOGIST-PETROLOGIST

Encl.

SMITHSON

Table 1. Size analyses of ~~Dip Range~~ Dolomite; approximate %, from polarised light microscopy.

Reg. No.	Lab No.	Description	Size range (microns)				
			<1	<10,>1	<50,>10	<1000,>50	>1000
400967	904074	DK1	tr	10	30	60	
400968	904075	DK2	tr	10	20	70	
400969	904076	DK4	tr	10	40	50	tr
400970	904077	DK5	tr	10	60	30	
400971	904078	DK7	tr	10	30	60	
400972	904079	DK8	tr	10	50	40	
400973	904080	D.1	tr	20	60	20	
400974	904081	D.2	tr	20	60	20	
		Average	tr	13	44	44	tr