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CENTRAL ELECTRICITY GENERATING BOARD
EXPLORATION (AUSTRALIA) PTY. LTD.
Inc. in New South Wales

1 February 1988

J F K Stewart
and W J Fraser

. EL 4855 MT DOUGLAS SOUTH WEST
FINAL REPORT TO THE NORTHERN TERRITORY
DEPARTMENT OF MINES & ENERGY FOR THE
SECOND YEAR OF TENURE ENDING
27 DECEMBER 1987

CEGBEA Report 1987/34

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CONTENTS:

LIST OF APPENDICES

1. ABSTRACT

During the 1987 field season, CEGBEA carried out follow up gravel sampling on anomalous corundum observed in gravel sample concentrates collected from drainage flowing easterly from a narrow faulted outlier of Mt Douglas Formation (formerly Kombolgie Formation). The results of this work did not confirm the earlier observations of abundant corundum. The Muddy Waterhole Outlier Prospect at the boundary of ELs 4855 and 4751 was tested by a diamond drill hole, drilled from EL 4751. The results were negative. It was recommended that EL 4855 be relinquished.

2. INTRODUCTION

EL 4855 comprising eighteen blocks, (58 square kilometres) was granted to Central Electricity Generating Board Exploration (Australia) Pty Limited, (CEGBEA) on 31 December 1985.

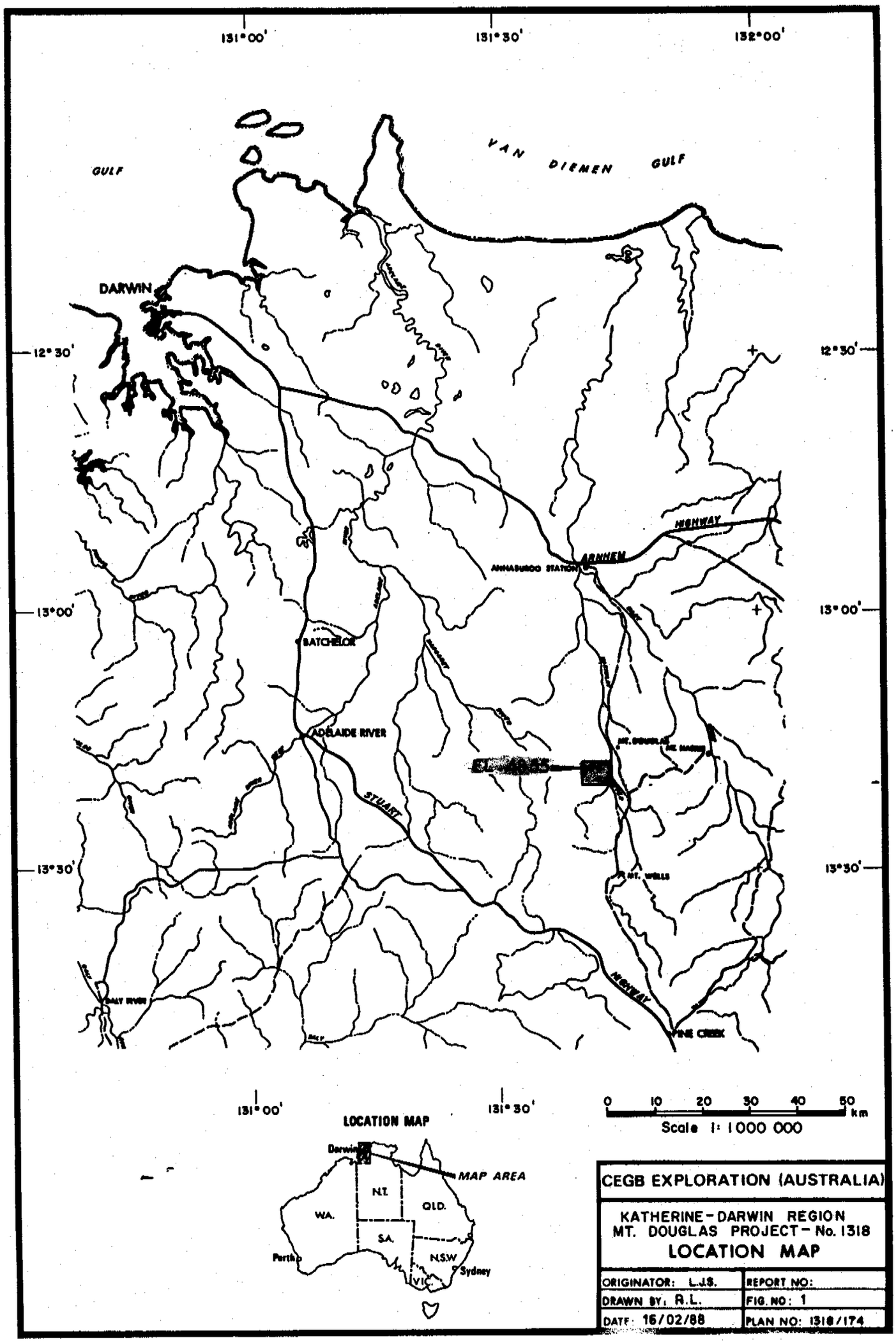
CEGBEA commenced exploration of EL 4855 in 1986 as part of the Mount Douglas Project comprising ELs 4500 (ACGH J/V), 4751 and 4962. The results of previous work are described in Fraser and Starkey, 1987 and Starkey, 1987.

A temporary camp was established in June 1987, adjacent to a permanent waterhole, on the west bank of the Mary River near the George Creek confluence. Equipment used included one recreation tent, four 3m x 3m marquee-type tents and a heavy-duty 5m office caravan. Vehicles included two HJ47 Toyotas and one HJ60 station wagon. A kitchen unit and ablution block were leased from Atco Structures of Darwin.

3. STREAM GRAVEL SAMPLING - 2mm#

In the 1986 field season, reconnaissance gravel sampling was carried out on a tributary draining the eastern flank of the clay zone and southern extensions to the Mt Douglas Outlier. Sample number 0509 showed relatively high levels of corundum.

During the 1987 field season, three follow up 15kg - 2mm gravel samples were collected from the locality of sample 0509 to follow up the corundum and trace sulphide levels. These samples were separated into -2mm + 1mm#, -1mm + 0.5mm# and -0.5mm# fractions as detailed in Appendix I.



CEGB EXPLORATION (AUSTRALIA)

KATHERINE-DARWIN REGION
MT. DOUGLAS PROJECT - No. 1318
LOCATION MAP

ORIGINATOR: L.J.S.	REPORT NO:
DRAWN BY: R.L.	FIG. NO: 1
DATE: 16/02/88	PLAN NO: 1318/174

The -0.5mm# fractions were assayed for platinum and gold. The results were not significant (Appendix II).

Dr R Townend of Analabs observed the various magnetic and non-magnetic sink products following separation. He concluded that the three samples are of similar nature with lithic material dominant. The heavy mineral suite appears to be largely of metamorphic origin, but of several possible sources. Thus the amphibole - epidote - ilmenite represent a basic suite, while the andalusite - corundum - staurolite - garnet represent a pelitic sediment suite, possibly contact metamorphism. The tourmaline checked with the SEM had Mg > Fe, ?Dravite, more typical of metamorphic than igneous rocks. The anatase was of the deep blue variety with evidence of crystal faces preserved. The rare garnet was highly corroded, with the colour of almandine. (Appendix III).

4. DIAMOND DRILLING

At the Muddy Waterhole Outlier Prospect, at the boundary of ELs 4751 and 4855, one inclined (-60°) scout diamond drill hole was completed at 174m depth. The drilling was carried out to reconnoitre the weakly to moderately radioactive and strongly brecciated Mt Douglas Formation (formerly Kombolgie Fm) sandstones and Burrell Creek Formation siltstones adjacent to a reverse fault on the eastern side of the outlier.

Summary Lithological log

DD87MW01

m	
0-18	Pale orange/yellow weathered Pfb siltstone and clay 115 - 145 cps
18-20	Pale yellow/green/grey chips and clay. 125 cps
20-36	Medium grey siltstone chips and clay. 140 cps
36-61.50	Pale green and dark purple banded siltstone (25 deg LCA). 115 cps. Some dewatering structures
61.50-140.20	Banded Pfb siltstone and quartz veining with occasional haematite and pyrite inclusions
140.20-143.60	Medium fine grained Phm sandstone/quartz conglomerate (faulted contact)
143.60-145.10	Haematite stained siltstone and fine quartz veining (45 deg LCA)
145.10-156.00	Medium fine grained Phm sandstone/quartz cobble/boulder conglomerate
156.00-174.00	Banded Pfb siltstone with haematite veins.

On probing the drill hole with the Geosource logger, very low radioactivity was reported. The average counts were within the range 25-50 cps, with a 1m width peak of 80 cps at 147m. Split core samples were submitted for assay at 91.20-92.20m and 156.90-157.90m where minor sulphides were obtained but no significant assays were reported.

5. CONCLUSIONS AND RECOMMENDATIONS

The results of two field seasons exploration on EL 4855 have not led to the recognition of any features associated with significant mineralisation.

It is recommended that EL 4855 be relinquished.

6. REFERENCES

FRASER W J and STARKEY L J	1987	EL 4855 (Mt Douglas 3) Annual Report to the Northern Territory Department of Mines and Energy for the First Year of Tenure ending 31 December 1986 CEGBEA Report 1987/9, 16 February 1987
STARKEY L J	1987	Mt Douglas Project, Helicopter Radiometric Survey over 12 uranium anomalies in ELs 4500, 4751 and 4855 CEGBEA Report 1987/5, August 1986

RELINQUISHED PT EL 4751

EL 4855 RELINQUISHED

EL 4751

EL 4855

U21

U22

U20

U19

U10

MOUNT DOUGLAS

MUDDY WATERHOLE OUTLIER

Black soil plain

Creek

Compass

30

90

167

20

REFERENCE

- Rock chip sample, total silicate and trace element analyses.
- Rock chip sample, standard analyses.
- Rock chip sample, petrographic description, thin prep & EMP study.
- Drainage gravel sample for heavy mineral analyses.
- Drainage gravel sample for diamond and indicator mineral observation.
- Drainage sample sieved - 100#
- Vegetation (leaf or bark)
- Regional gravity station.
- Power auger sample to 0-7m depth.
- Surface water sample
- Tracks graded since BMR Publication
- CEGB airphoto interpretation - Reconnaissance
- CEGB-Landsat interpretation major lineaments
- Helicopter reconnaissance

SHEET INDEX

	5271-I	5271-II
SW	SE	SW
NW	NE	NW
5271-IV		5271-III
SW	SE	SW

LOCATION MAP

SOURCE: NATIONAL MAPPING TOPOGRAPHY | SCALE 1:100 000
Horizontal Datum - Australian Geodetic Datum 1966
Vertical Datum - Australian Height Datum
Transverse Mercator Projection

CEGB EXPLORATION (AUSTRALIA)

KATHERINE - DARWIN REGION

MT. DOUGLAS PROJECT - NO. 1318

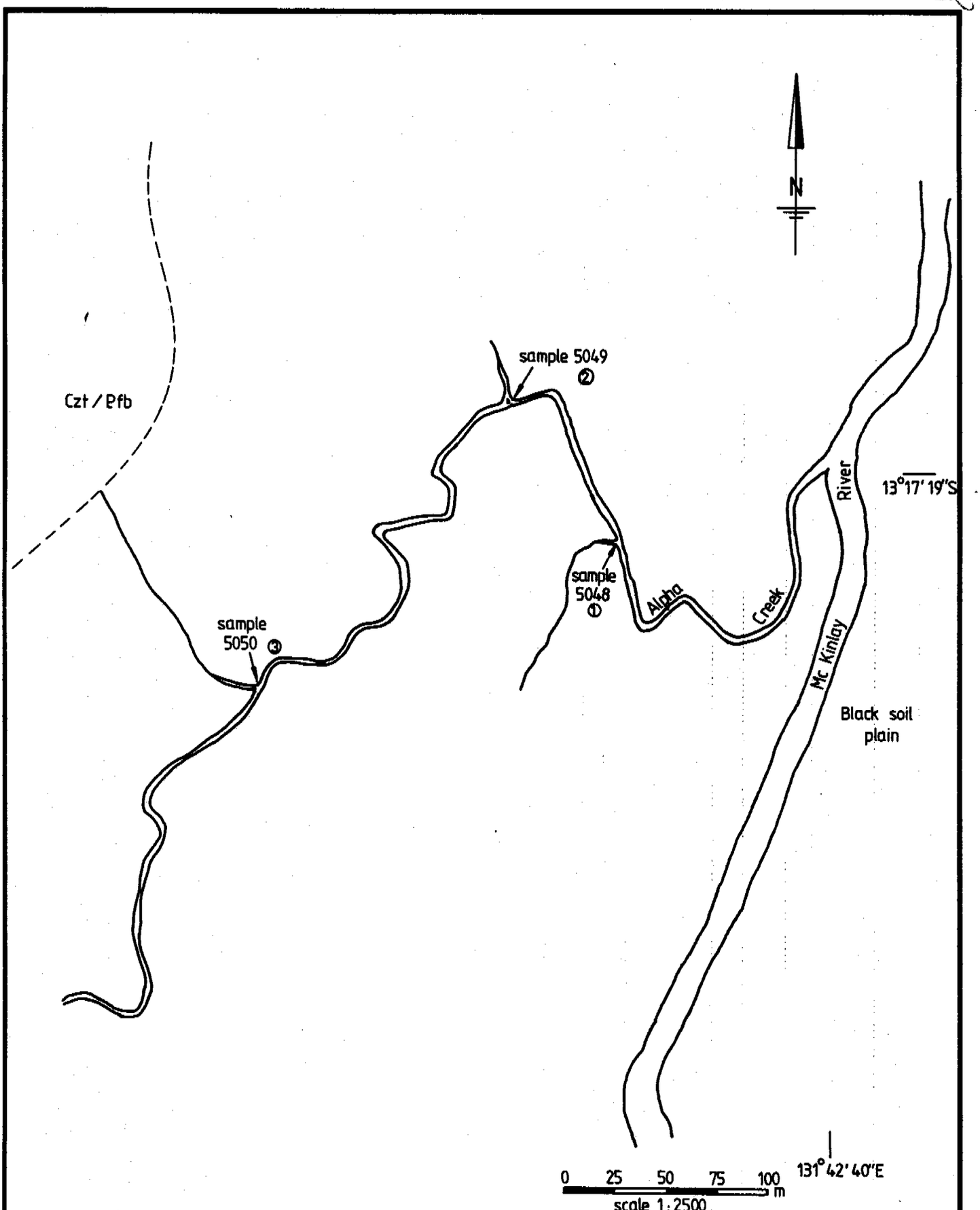
SAMPLE & INTERPRETIVE DATA LOCATION OF HELICOPTER TRAVERSES

Mc KINLAY RIVER 5271 - IV - NE

0 0.5 1 1.5 2 2.5 km

SCALE 1 : 25 000

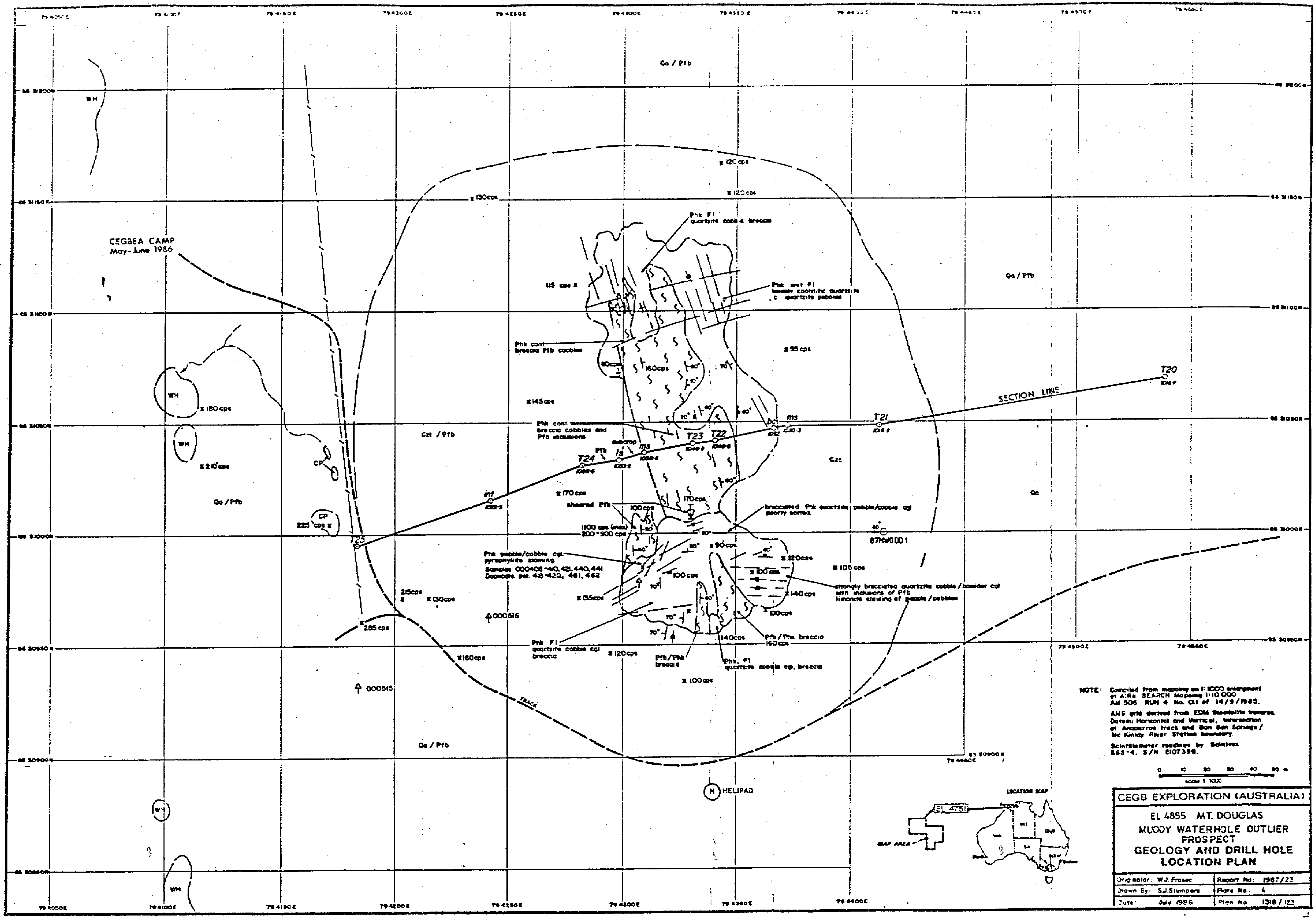
Organiser:	W.J. Fraser	Report No:	1987/23
Drawn By:	Ed Stumpers	Plate No:	2
Date:	May 1986	Plan No:	1318/78



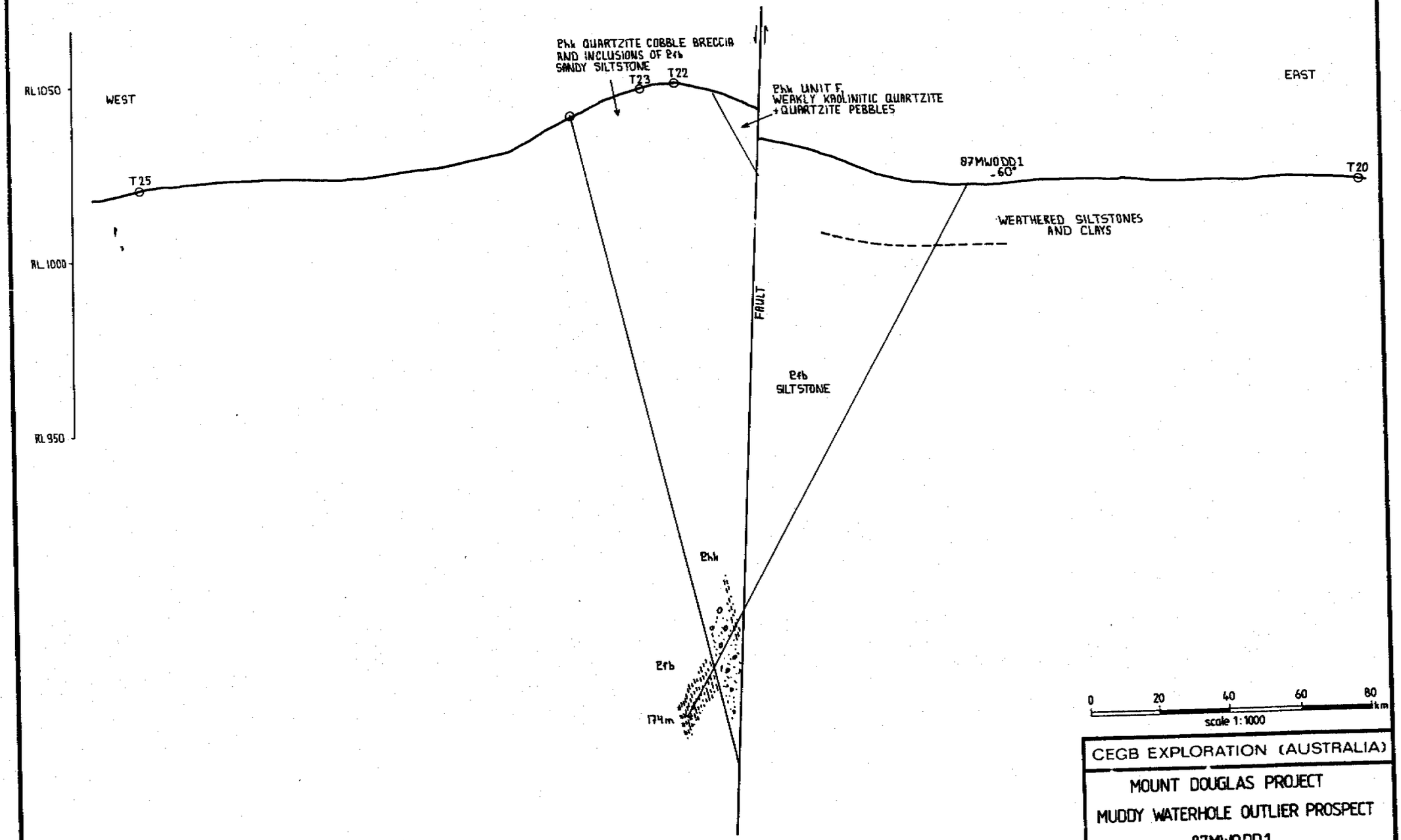
CEGB EXPLORATION (AUSTRALIA)

EL 4855
LOCATION OF GRAVEL SAMPLES
"ALPHA CREEK"

Originator: J.F.K.S.	Report No:
Drawn By: R.L.	Figure No: 3
Date: 2·2·88	Plan No: 1318 / 224



CEGBEA CAMP
May-June 1986
SECTION LINE
T20
T21
T22
T23
T24
T25
87MW0001
HELIPAD
TRACK
Qa / Pfb
Czt / Pfb
Czt
Qa
WH
CP
Phk F1 quartzite cobble breccia
Phk cont. breccia Pfb cobbles
Phk cont. breccia cobbles and Pfb inclusions
sheared Pfb
brecciated Phk quartzite pebble/cobble cgl poorly sorted.
Phk pebble/cobble cgl. pyrophyllite staining.
strongly brecciated quartzite cobble/boulder cgl with inclusions of Pfb limonite staining of pebble/cobbles
Pfb / Phk breccia
Phk. F1 quartzite cobble cgl, breccia
000516
000515
LOCATION MAP
EL 4751
MAP AREA
NOTE: Compiled from mapping on 1:1000 enlargement of AIRe SEARCH Mapping 1:10 000 AM 506 RUN 4 No. Oll of 14/9/1985.
AMG grid derived from EDM theodolite traverse. Datum: Horizontal and Vertical, intersection of Anaperroo track and Bon Bon Springs / Mc Kinley River Station boundary.
Scintillometer readings by Scintrex BGS-4. S/N 8107398.
scale 1 1000
CEGB EXPLORATION (AUSTRALIA)
EL 4855 MT. DOUGLAS
MUDDY WATERHOLE OUTLIER PROSPECT
GEOLOGY AND DRILL HOLE LOCATION PLAN
Originator: W.J. Fraser
Drawn By: S.J. Stampers
Date: July 1986
Report No: 1987/23
Plate No. 4
Plan No 1318 / 123



CEGB EXPLORATION (AUSTRALIA)

MOUNT DOUGLAS PROJECT

MUDDY WATERHOLE OUTLIER PROSPECT

87MWODD1

Originator: J.F.K.S.	Report No:
Drawn By: R.L.	Plate No: 5
Date: 15/02/88	Plan No: 1318/225

APPENDIX I

Analabs Report on the treatment and Separation of three gravel samples.

GF:ms:labreshd

6th November 1987

ANALABS
A division of Macdonald Hamilton & Co. Pty. Ltd.

Perth Head Office:
52 Murray Road, Welshpool, Western Australia 6106.
Tel: (09) 458 7999. Telex: AA92560. Fax: (09) 458 2922.
P.O. Box 210 Bentley, W.A. 6102

CEGB Exploration Australia Pty Ltd
3rd Floor
201 Adelaide Terrace
PERTH WA 6000

Attn: The Manager

Our Ref: 326.9.01.55096
Your Ref: 0577

Re: Diamond Separation of 3 samples.

Dear Sir

Enclosed are the results of the treatment and separation of three (-2mm) gravel samples.

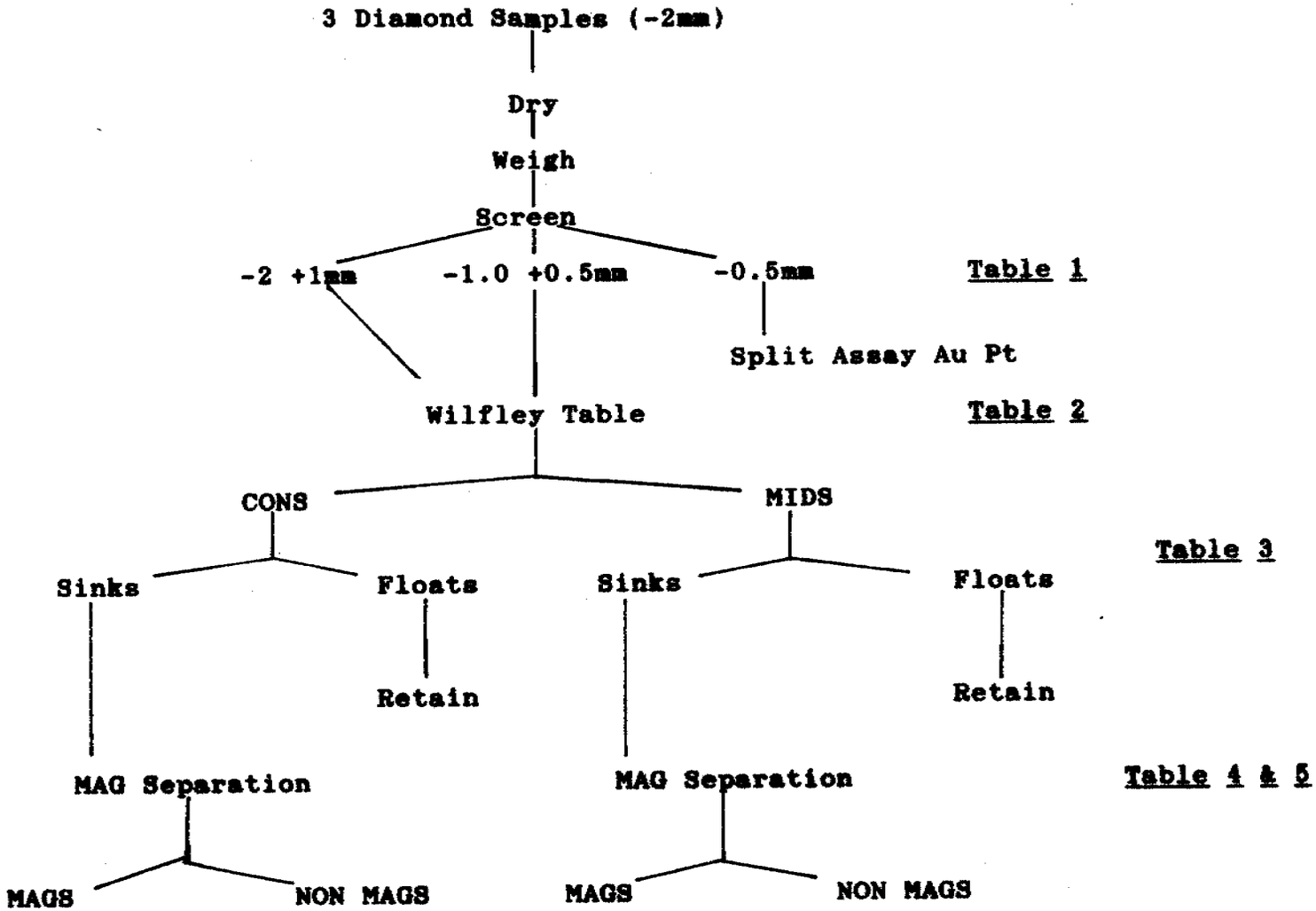
The -0.5mm fractions have been submitted for Au and Pt analysis and the products of magnetic separation have been sent to Dr Roger Townend for analysis and will be forwarded on when complete.

Yours faithfully
ANALABS - A Division of
Macdonald Hamilton & Co Pty Ltd

Graham Fisher
Manager

cc : Mr W J Fraser
CEGB
P O Box 39346
WINNELLIE
NT 5789

TREATMENT FLOW CHART



SCREEN ANALYSIS

Table 1

Sample Number	Sample Wt g (Dry)	-2.0mm +1.0mm Wt	-1.0mm +0.5mm Wt	0.5mm Wt	+1.0mm %Wt	+0.5mm %Wt	-0.5mm %Wt
5048	13132.0	778.0	1789.6	10490.7	6.0	13.7	80.3
5049	18198.1	7658.9	5135.3	5312.9	42.3	28.4	29.3
5050	16074.8	3641.0	6301.6	6019.3	22.8	39.5	37.7

WILFLEY TABLE

Table 2

Sample Number	Size Fraction	Table Con Wt	Table Midd Wt	Con %Wt	Mids %Wt
5048	-2+1.0mm	462.0	316.0	59.4	40.6
	-1+0.5mm	1236.3	521.4	70.3	29.7
5049	-2+1.0mm	4407.4	3250.1	57.6	42.4
	-1+0.5mm	2271.9	2837.0	44.5	55.5
5050	-2+1.0mm	2011.9	1628.5	55.3	44.7
	-1+0.5mm	2782.0	3518.3	44.2	55.8

TBE SEPARATION

Table 3

Sample Number		Total Weight (g)	Sinks Weight (g)	Sinks Percent (%)	Floats Weight (g)	Floats Percent (%)
5048						
-2+1.0	CON	462.0	5.03	1.1	456.97	98.9
-2+1.0	MIDS	316.0	4.50	1.4	311.50	98.6
-1.0+0.5	CON	1236.3	3.39	0.3	1232.91	99.7
-1.0+0.5	MIDS	521.4	4.53	0.9	516.87	99.1
5049						
-2.0+1.0	CON	4407.4	9.27	0.2	4398.13	99.8
-2.0+1.0	MIDS	3250.1	2.85	0.1	3247.25	99.9
-1.0+0.5	CON	2271.9	8.37	0.4	2263.53	99.6
-1.0+0.5	MIDS	2837.0	8.84	0.3	2828.16	99.7
5050						
-2.0+1.0	CON	2011.9	5.04	0.3	2006.86	99.7
-2.0+1.0	MIDS	1628.5	3.07	0.2	1625.43	99.8
-1.0+0.5	CON	2782.0	6.94	0.2	2775.86	99.8
-1.0+0.5	MIDS	3518.3	3.52	0.1	3514.78	99.9

TABLE CONS - SINKS

MAG SEPARATIONS

Table 4

Sample Number	Sieve Size (mm)	Mags Wt (g)	Non Mags Wt (g)	Mags Wt (%)	Non Mags Wt (%)
5048	-2.0 +1.0	1.20	3.83	23.9	76.1
	-1.0 +0.5	0.45	2.94	13.3	86.7
5049	-2.0 +1.0	0.56	8.71	6.0	94.0
	-1.0 +0.5	0.27	8.10	3.2	96.8
5050	-2.0 +1.0	0.21	4.83	4.2	95.8
	-1.0 +0.5	0.24	6.70	3.5	96.5

TABLE MIDS - SINKS

MAG SEPARATION

Table 6

Sample Number	Sieve Size (mm)	Mags Wt (g)	Non Mags Wt (g)	Mags Wt (%)	Non Mags Wt (%)
5048	-2.0 +1.0	1.84	2.66	40.9	59.1
	-1.0 +0.5	0.78	3.75	17.2	82.8
5049	-2.0 +1.0	0.13	2.72	4.6	95.4
	-1.0 +0.5	0.04	8.80	0.5	99.5
5050	-2.0 +1.0	0.11	2.96	3.6	96.4
	-1.0 +0.5	0.25	3.27	7.1	92.9

APPENDIX II

Analabs Report on the analyses of three -0.5mm# fractions for platinum and gold.

ANALABS

A division of MacDonald Hamilton & Co. Pty. Ltd.
Phone (09) 458 7999 52 Murray Road, Welshpool, W.A. 6106 Telex AA92560

ANALYTICAL REPORT No. 326.9.01.55096

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

C.E.G.B
PO Box 39346

Winnellie
NT 5789

ORDER No.	PROJECT
577	

DATE RECEIVED	RESULTS REQUIRED
21/10/87	ASAP

No. OF PAGES OF RESULTS	DATE REPORTED	No. OF COPIES	TOTAL No. OF SAMPLES
1	16/11/87	1	3

STATE OF AMPLES		PRE-TREATMENT							ANALYSIS		
REFER BELOW	SAMPLE NUMBERS	DRY	CRUSH	SPLIT	PUL-VERISE	SIEVE	OTHER SEE REMARKS	NONE	REFER TO ANALYSIS SECTION	PREPARATION	METHOD
	5048/50				1				Au Pt		309 311

C. E. G. B. E. A.
18 NOV 1987
RECEIVED

RESULTS TO: as above
W Fraser

RESULTS TO:

REMARKS

STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM					inductively coupled plasma	ICP

AUTHORISED OFFICER

ANALABS

A Division of Macdonald Hamilton & Co. Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	326.9.01.55096	16/11/87	577	1 OF 1

TUBE No.	SAMPLE No.		Pt	Au						
1	5048 -0.5	mm	X	X						
2	5049 -0.5	mm	X	X						
3	5050 -0.5	mm	X	0.008						
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23	DETECTION		0.008	0.005						
24	DIGESTION									
25	METHOD		311	309						

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

AUTHORISED OFFICER

APPENDIX III

Analabs Report on the mineralised examination of three sand/gravel TBE Sink products.

ANALABS
A division of Macdonald Hamilton & Co. Pty. Ltd.

Perth Head Office:
52 Murray Road, Welshpool, Western Australia 6106.
Tel: (09) 458 7999. Telex: AA92560. Fax: (09) 458 2922.
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RT:as

21th January 1988

C.E.G.B. Exploration (Aust) Pty Ltd

PO Box 39346

WINNELLIE NT 5789

OUR REF : 326.9.01.55096

YOUR REF : 0577

ATTENTION : W J Fraser

Mineralogical Examination of three sand/gravel TBE sink products.

DR R TOWNEND

INTRODUCTION

Various magnetic and non-magnetic sink products were submitted for mineralogical examination. Although the samples taken for separation were +0.5mm material, as a result of the separation, further fines were produced, and the "-1mm +0.5mm" sinks actually contain considerable -0.5mm material. In view of this, the fraction was screened out and not examined.

RESULTS

The three samples are of similar nature with lithic material dominant. The heavy mineral suite appears to be largely of metamorphic origin, but of several possible sources. Thus the amphibole - epidote - ilmenite represent a basic suite, while the andalusite - corundum - staurolite - garnet represent a pelitic sediment suite, possibly contact metamorphism. The tourmaline checked with the SEM had Mg > Fe, ?Dravite, more typical of metamorphic than igneous rocks. The anatase was of the deep blue variety with evidence of crystal faces preserved. The rare garnet was highly corroded, with the colour of almandine.

Key

A	=	Abundant	1 - 5	=	No. of grains
C	=	Common			
F	=	Frequent			
R	=	Rare			

Sample Number 5048

MINERAL	NON MAGS				MAGS			
	-2 +1 Cons	-1 +0.5 Cons	-2 +1 Mids	-1 +0.5 Mids	-2 +1 Cons	-1 +0.5 Cons	-2 +1 Mids	-1 +0.5 Mids
Rocks	A	A	A	A	A	A	R	A
Magnetite			F			R	A	
Hematite			R			R	R	
Epidote			1					
Tourmaline		1						
Quartz		2						
Amphibole		1						
Andalusite		F						

Sample Number 5049

MINERAL	NON MAGS				MAGS			
	-2 +1 Cons	-1 +0.5 Cons	-2 +1 Mids	-1 +0.5 Mids	-2 +1 Cons	-1 +0.5 Cons	-2 +1 Mids	-1 +0.5 Mids
Rocks	A	C	C	A	A	F	A	A
Amphibole	R	R	R	R				
Hematite	R	R	R	2	R	R	R	R
Tourmaline	4	R	R	-				
Rutile	1							
Muscovite	1	R	R					
Magnetite					R	C	R	R
Andalusite	R	R				R		
Ilmenite		R			1			
Corundum		R						

Sample Number 5050

MINERAL	NON MAGS				MAGS			
	-2 +1 Cons	-1 +0.3 Cons	-2 +1 Mids	-1 +0.3 Mids	-2 +1 Cons	-1 +0.5 Cons	-2 +1 Mids	-1 +0.5 Mids
Rocks	R	R	A	F	A		A	
Tourmaline		1	R	R				
Amphibole		1		R				
Hematite				R	R		R	
Magnetite							R	
Ilmenite				R				
Corundum				R				
Andalusite				R				
Garnet				R				
Staurolite				R				
Anatase				R				

APPENDIX IV

Summary Drill Logs DD87MW01.

CEGB EXPLORATION (AUSTRALIA)

DRILLHOLE RECORD SUMMARY SHEET

HOLE NO. DD87-MWO

PROJECT MT DOUGLAS | AREA E/ 4500 | DRILL FOY 322 | DATE 17.10.87
DATE COMMENCED 7.10.87 | DATE COMPLETED 9.10.87 | GEOLOGICAL LOG BY J.F.K. STEWART | DRILLER S HADGKISS
LOCATION MUDDY WATER HOLE OUTLIER PROSPECT | SAMPLED BY JFK Stewart | NO. OF LOG SHEETS 3
COLLAR CO-ORDS 794500 (approx) mN 8530825 (approx) mE | PETROLOGY BY N/S | ASSAYED BY ANALABS
COLLAR RL ____ AZIMUTH ____ DIP AT COLLAR −60° | CORE SIZES NQ From 36 To 174 / ____ From ____ To ____ / ____ From ____ To ____
TOTAL DEPTH 174 m | WATER TABLE 18 m | CASING TYPE HQ
PRECOLLAR DEPTH 36m

SUMMARY OF RESULTS

METERAGE From	To	Length	GEOLOGICAL DESCRIPTION		METERAGE From	To	Length	MINERALIZATION & ALTERATION	ASSAYS	SAMPLE NUMBER
0	2	2	RAB chips weathered siltstone, pale orangey red	115 cps						
2	14	12	Lighter orange clay dust, some siltstone chips	145 cps						
14	18	4	Orange siltstone chips + clay	125 cps						
18	20	2	Pale yellow / green / grey chips + clay	125 cps						
20	36	16	medium grey siltstone chips, clay	140 cps						
				160 cps						
36	51	15	Pale green and dark purple banded siltstone bands, 25° to CA. Bands may show dewatering structures.	115 cps						

OBJECTIVE OF HOLE

1. To investigate weak radioactivity and uranium reported on the western side of the Muddy Water hole outlier Prospect.
2. To determine the throw of the reverse fault on the eastern side of the outlier

REMARKS

No significant radioactivity recorded on probing the drill hole with Slx Logger

HOLE SURVEY

Method	Dpth	Az.	Dip
The hole was not surveyed			

CEGB EXPLORATION (AUSTRALIA)

DRILLHOLE RECORD SUMMARY SHEET

HOLE NO. PD37 MWD-1

METERAGE From	To	Length	GEOLOGICAL DESCRIPTION	
45			Siltstone dips 10° LCA	120 cps
51			Siltstone dips 40° LCA, includes small qtz veins	135 cps
54·70			Siltstone dips 60° LCA	120 cps
59			Siltstone dips 60° LCA, Qtz veins 35° LCA	130 cps
61·50	65·00	3·50	Qtz veining mic - random directions. Patches of chert	
65·00			Siltstone 20° LCA	
73·20	73·21	·01	Qtz vein 1cm . 30° LCA , Siltstone 20° LCA	
73·21	74·30	1·09	Siltstone 20° LCA	
74·30	75·30	1·50	Siltstone - alteration & brecciation + qtz intrusions	
75·30	76·10	·30	Siltstone 30° LCA	
76·10	78·70	2·60	Sandy siltstone, dark red/purple	125 cps
78·70	84·30	5·50	Siltstone 40° LCA	
84·30	84·65	·35	Weathered qtz vein + py inclusions. Haematite mineral	115 cps
84·65	91·40	6·75	Siltstone with quartz veining 65° LCA	
91·40	92·40	1·00	Qtz breccia 10° LCA in siltstone	
92·40			Weathered siltstone + thin qtz veins	130 cps
94·60			Siltstone 60° LCA	
102			Siltstone 50° LCA	120 cps
110			Siltstone 70° LCA	150 cps

METERAGE From	To	Length	MINERALISATION & ALTERATION
84·60			Pyrite inclusion 2mm
91·20	92·20	1·00	Vg breccia

ASSAYS U	Th	Cu	Pb	Zn	Co	Ag	Au	SAMPLE NUMBER
4	30	15	<5	80	30	<0·5	<0·008	5047

CEGB EXPLORATION (AUSTRALIA)

DRILLHOLE RECORD SUMMARY SHEET

HOLE NO. DD87MW0-1

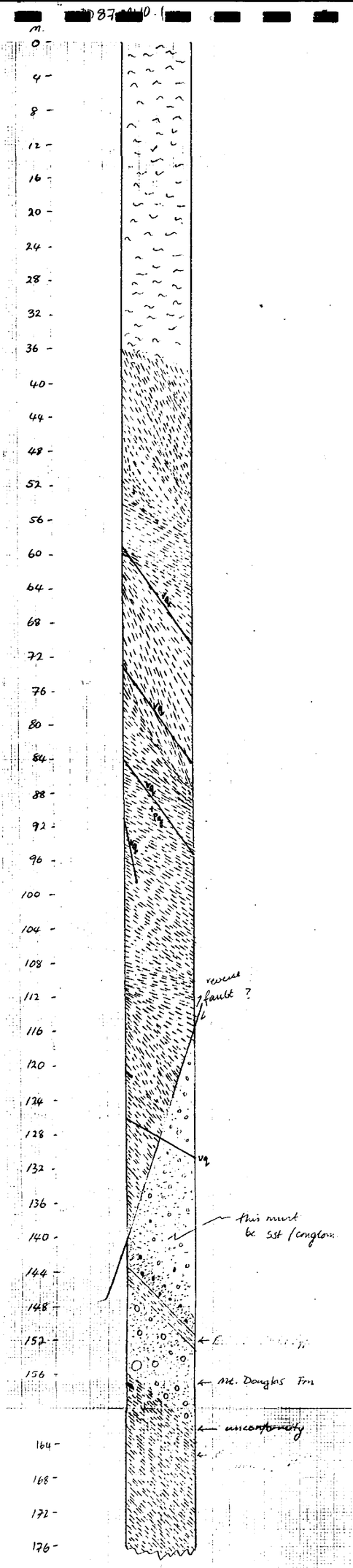
METERAGE From	METERAGE To	METERAGE Length	GEOLOGICAL DESCRIPTION
1.8	120.20	2.20	Siltstone 30° ∠CA + qtz veining
120.20	121.81	1.61	Qtz veining increasing
121.81	131.20	9.39	Siltstone 40° ∠CA 145 cps
131.20	131.28	.08	Sandstone and qtz brecciation
131.28	140.20	8.92	Siltstone, few bands 40° ∠CA 160 cps
140.20	143.60	3.40	medium-fine grained sandstone / qtz conglomerate faulted contact
143.60	145.10	1.50	Haem. stained siltstone + fine qtz veining (45° ∠CA)
145.10	156.00	10.90	medium-fine grained sandstone / qtz conglomerate (pebble → boulder size) 110 cps
156.00			Haem. stained siltstone
162			Siltstone 45° ∠CA + qtz veining 120 cps
171			120 cps.
174			EOH.

METERAGE From	METERAGE To	METERAGE Length	MINERALISATION & ALTERATION
121.80	121.81	.01	Haematite in qtz vein
124.20	124.21	.01	Haematite in qtz vein
126.60	126.65	.05	Qtz vein 60° ∠CA
155.80	155.81	.01	Pyrite & Qtz vein 10° ∠CA
157.30	157.31	.01	Haematite vein, 10° ∠CA
156.90	157.90	1.00	haematite vein

ASSAYS	U	Th	Cu	Pb	Zn	Co	Ag	Au	SAMPLE NUMBER
	6	35	10	<5	15	10	<0.5	<0.008	5051

APPENDIX V

Graphic Log DD87MW01.



measurements to be read from left side of column.

GRAPHIC LOG

DD87 MW01