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FINAL REPORT ON AREAS OF FIFTY PERCENT RELINQUISHMENT

EXPLORATION LICENCE 4679: ROPER RIVER AREA

NORTHERN TERRITORY

T.K. SCOTT

DARWIN NT

DECEMBER, 1986

NORTHERN TERRITORY
GEOLOGICAL SURVEY

CR 87 / 30A



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LICENCE 4679: ROPER RIVER AREA, NORTHERN TERRITORY

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 Relinquished Area: Mais 1:100,000

STOCKDALE PROSPECTING LIMITED

EXPLORATION LICENCE 4679: ROPER RIVER AREA, NORTHERN TERRITORY

FINAL REPORT ON AREA OF FIFTY PERCENT RELINQUISHMENT

1. INTRODUCTION

This is the final report on the area of fifty percent relinquishment on Exploration Licence 4679 covering the work done over the period 17th October 1984 to 17th October, 1986.

2. LOCATION

Exploration Licence 4679 lies at the north eastern corner of Larrimah and north western corner of Hodgson Downs 1:250,000 sheets. The original licence of 499 blocks (1,607 km²) was granted on 17th October, 1984. A total of 250 blocks (805 km²) were relinquished on the 17th September, 1986. The location of the licence is presented in Map 1 and the blocks involved in relinquishment summarised in Appendix 1.

3. GENERAL COMMENTS ON THE REGION

A discussion on the physiography, climate, vegetation, previous work and geology of the region was given in Vercoe (1986) and will not be repeated here.

4. FIELD WORK

1986

A programme of reconnaissance stream sampling was carried out on the exploration licence.

A total of: five barrage (300 litre) samples of -4.75 ± 0.5 mm, four 50 litre stream samples of -2 ± 0.3 mm, and four 25 litre stream samples of -2 ± 0.3 mm.

were taken from within the area now relinquished.

In addition, in the more poorly drained areas thirty-seven 10 litre (-2 ± 0.3 mm) loam samples were taken.

An overall density of 1:16 km² has been achieved.

The material was bagged and despatched to Stockdale's Darwin Treatment Plant and concentrates forwarded to Stockdale's Melbourne laboratory for further treatment and examination for diamonds and kimberlitic indicator minerals.

Sample locations are presented in Maps 2 and 3.

5. RESULTS

One sample, V2854 returned a single spinel. This result is not thought to be significant. All other samples were negative.

6. PERSONNEL

Field staff involved in the programme were :

<u>Designation</u>	<u>Number</u>
Geologist	1-2 (variable)
Field Hands	3
Cook	1
Helicopter Pilot	1
Helicopter Engineer	1

7. EXPENDITURE

Expenditure for the relinquished section of Exploration Licence 4679 has been allocated as shown in Appendix 2.

8. REFERENCE

Vercoe S.C. 1986 Annual Report - Roper River Area
Exploration Licences 4478, 4479, 4634,
4679, 4483 and 4866. Annual Report to
NTDME July 1986.

T.K. SCOTT
Staff Geologist

DARWIN, NT
December, 1986

M.R. Marx

M.R. MARX
Chief Geologist, North

:LSTKS2

APPENDIX 1

EL 4679

Blocks Relinquished

Gorrie 27/3	4136 - 4140	5336 - 5340
	4236 - 4240	5436 - 5440
	4336 - 4340	5536 - 5540
	4436 - 4440	5636 - 5640
	4536 - 4540	5736 - 5740
	4636 - 4640	5836 - 5840
	4736 - 4740	5936 - 5940
	4836 - 4840	6036 - 6040
	4936 - 4940	6136 - 6140
	5036 - 5040	6236 - 6240
	5136 - 5140	6336 - 6340
	5236 - 5240	

Mais 28/1	5511 - 5513
	5611 - 5614
	5711 - 5726
	5811 - 5826
	5911 - 5926
	6011 - 6026
	6111 - 6126
	6211 - 6226
	6311 - 6326
	6411 - 6426

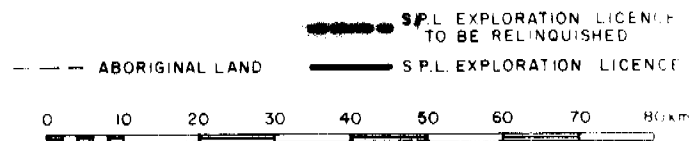
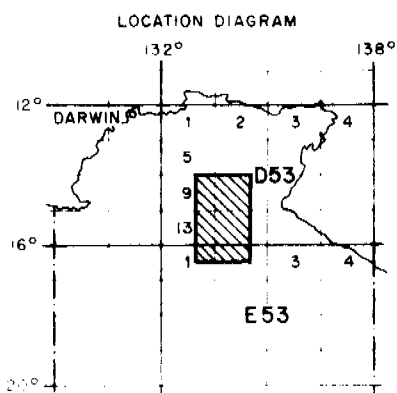
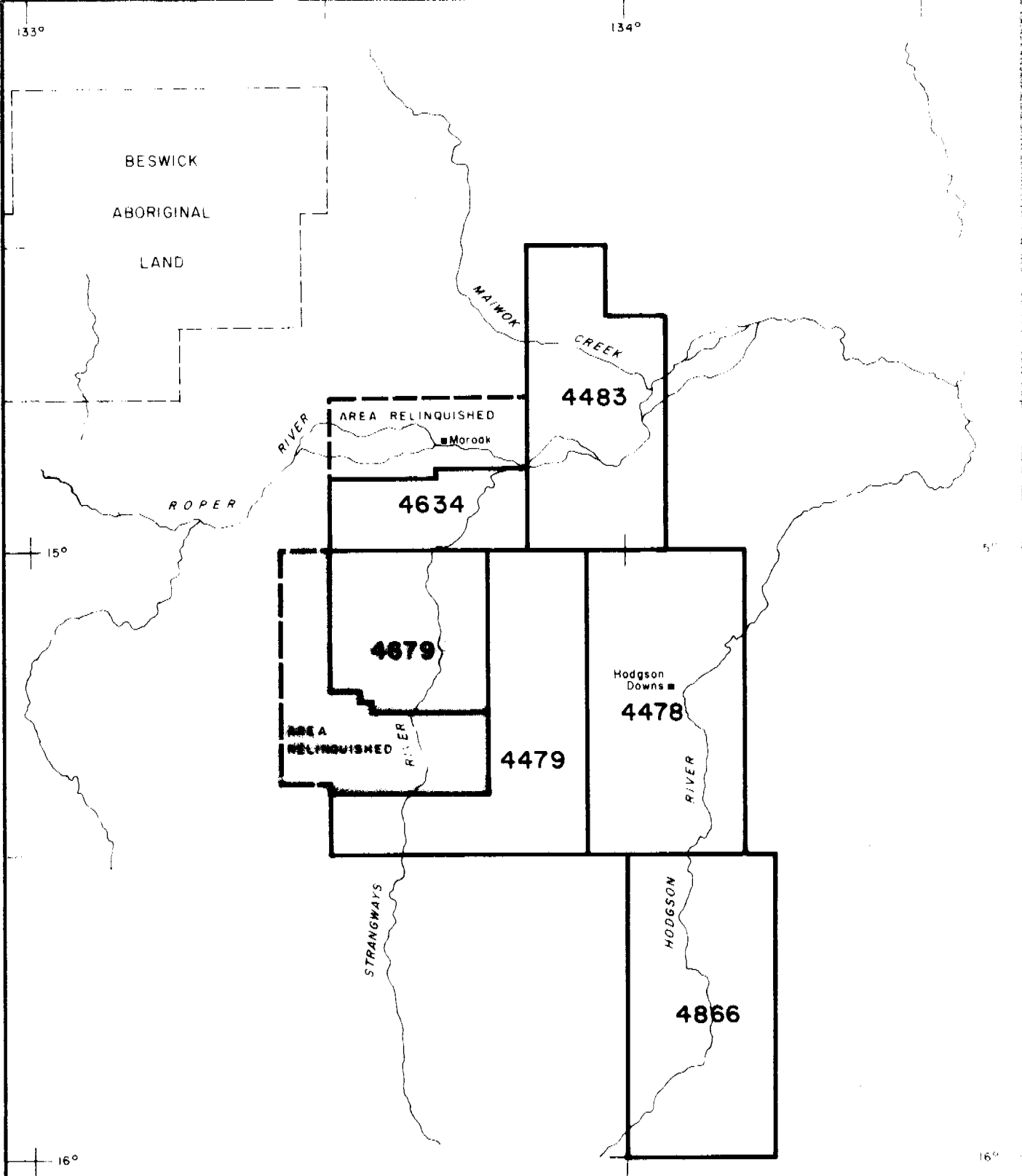
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APPENDIX 2

Expenditure Report: EL 4679

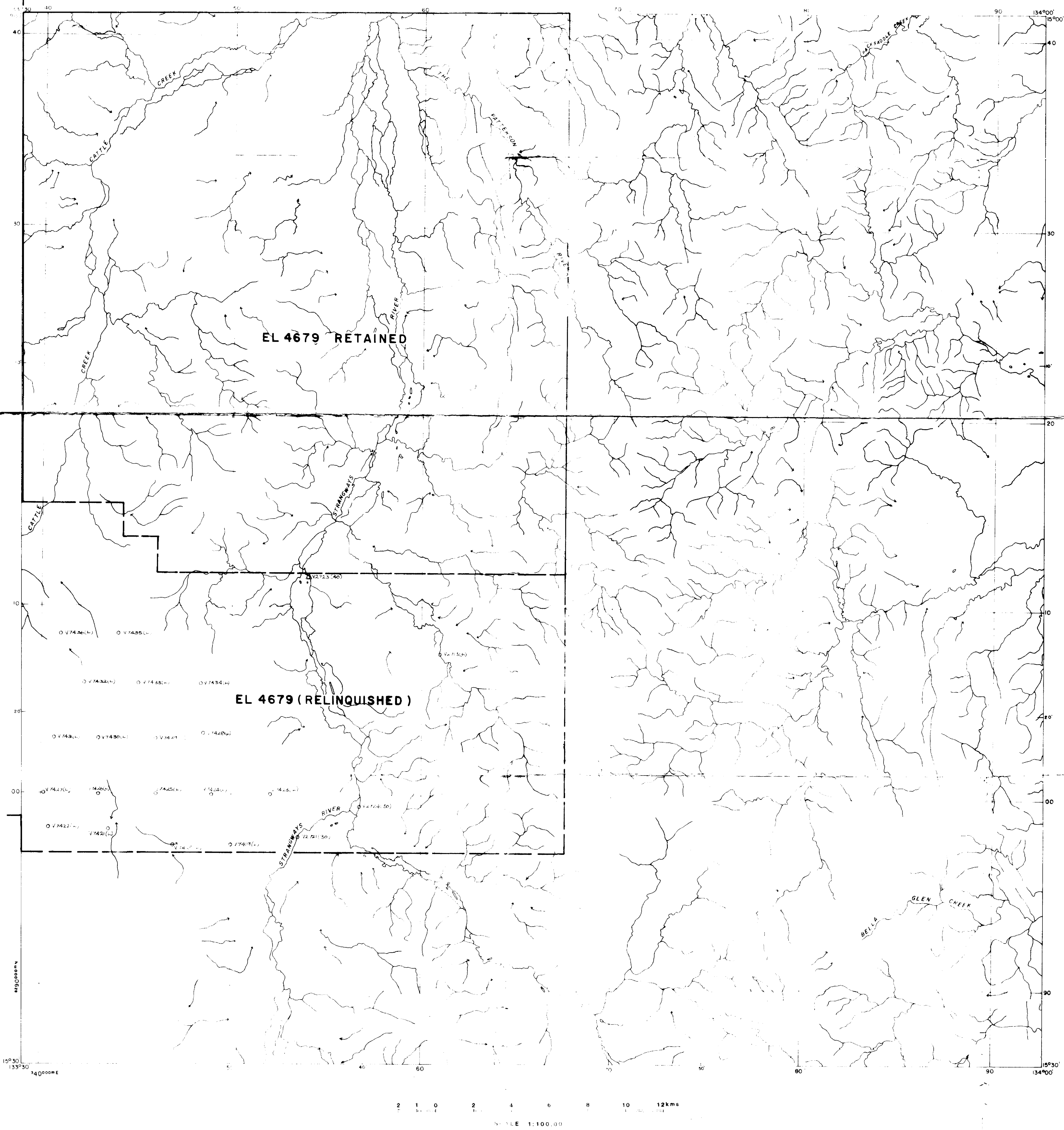
Operational Staff Costs	\$ 2,689
Sundry Field Expenses	343
Transport & Travel	21
Air Charter	3,535
Tenement Costs	3,151
Darwin Treatment Plant	1,933
Laboratory: Treatment	2,181
: Examination	2,419
Contractors	181
Remote Sensing	24
Drafting	340
Darwin Office	2,287
Melbourne Office	2,827
TOTAL EXPENDITURE	\$21,931

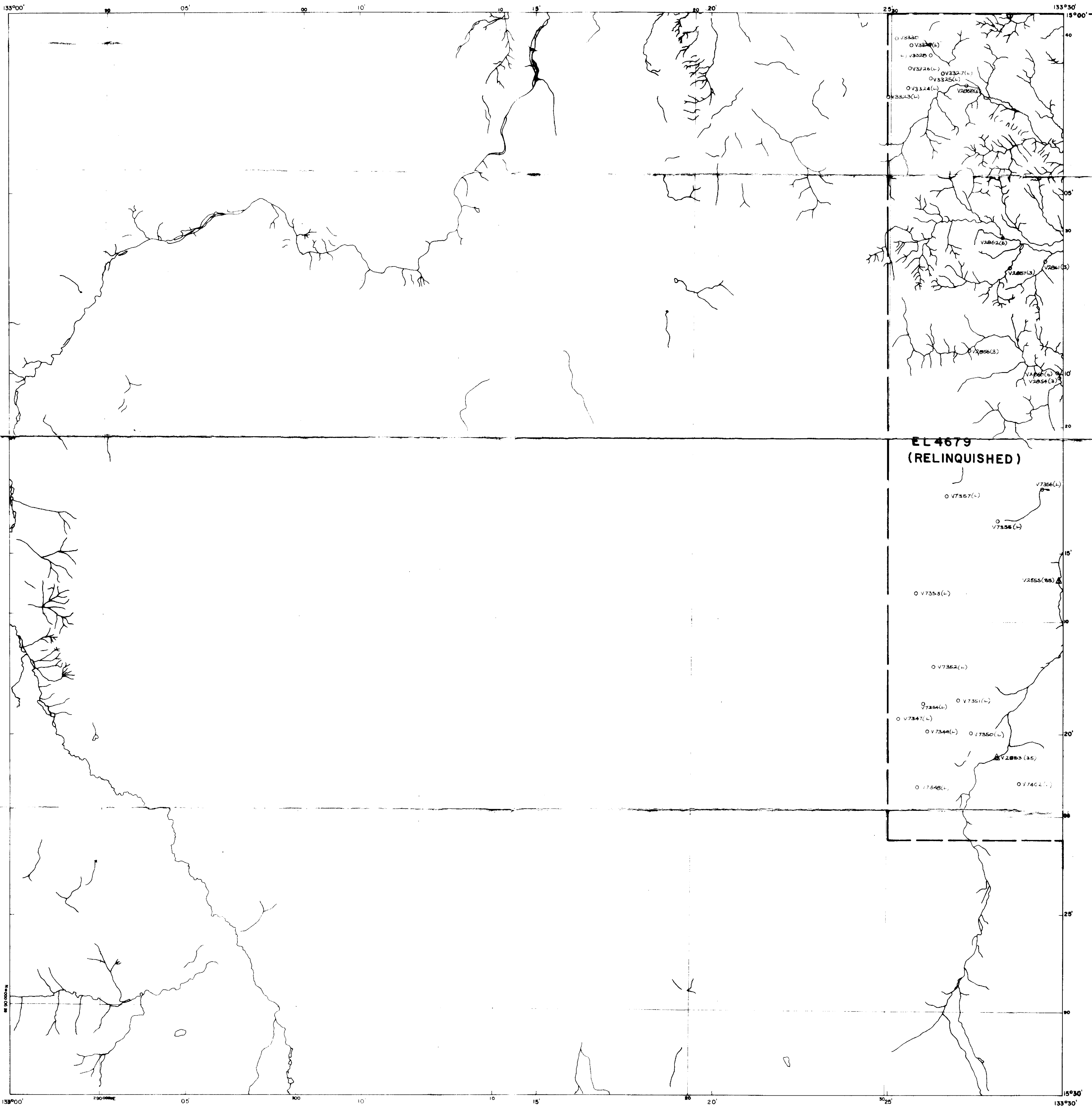
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MAP 1

STOCKDALE PROSPECTING LIMITED	
NORTHERN TERRITORY	
D53-10 URAPUNGA, D53-14 HODGSON DOWNS	
T2 - ROPER RIVER	
LOCATION OF E.L. 4478, 4479, 4483, 4634, 4679, 4866	
Computed	
Drawn	S.P.W.
Date	11/1/80
Scale	1:100,000
775	





SCALE 1:100,000

5468	5469	5470
5467	5468	5469
5466	5467	5468