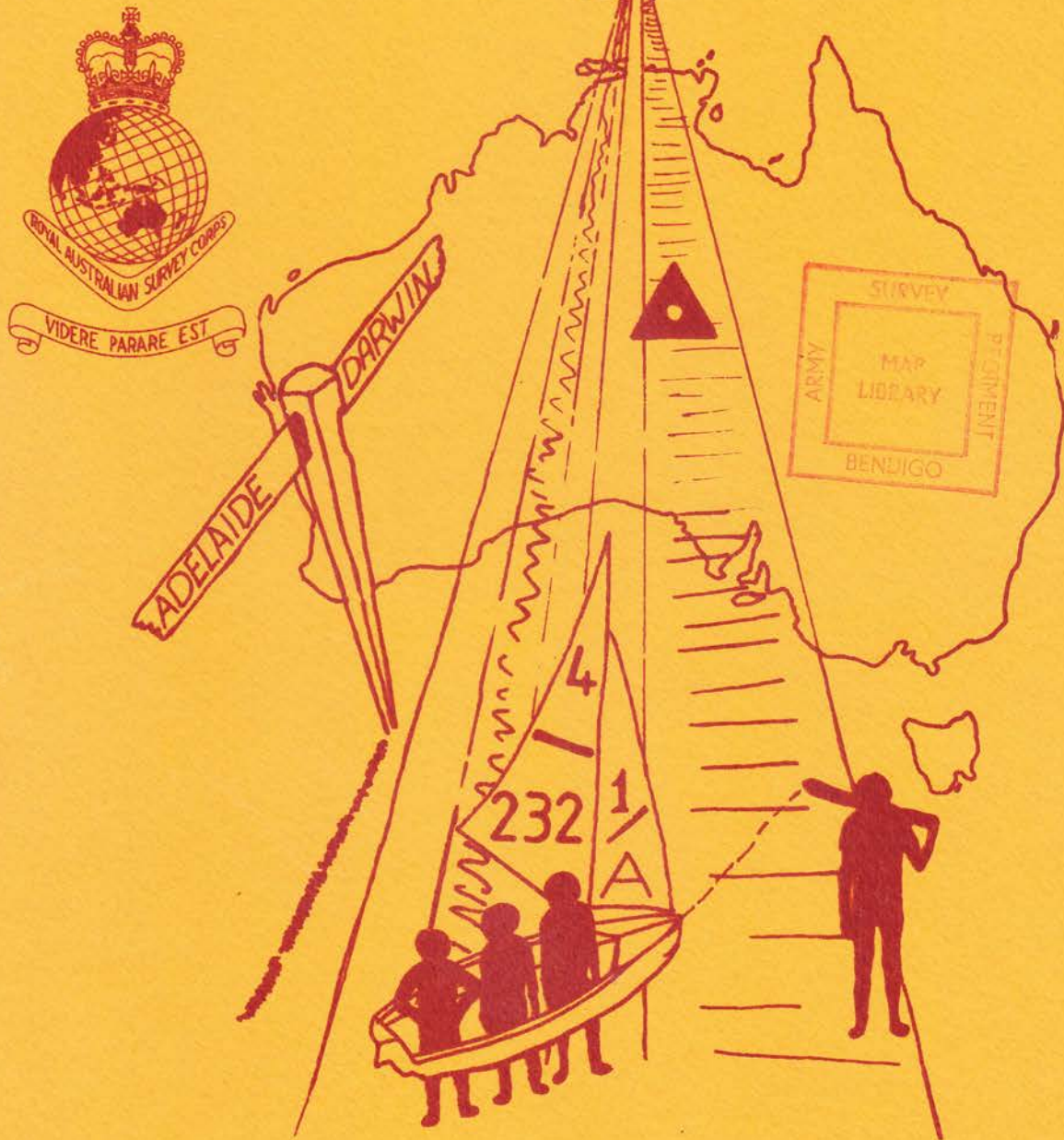


**OPERATION
STAGE**

**NOTARIAL
1983**

3



ROYAL AUSTRALIAN SURVEY CORPS

4 FIELD SURVEY SQUAD

15



4 FIELD SURVEY SQUADRON

PROJECT REPORT

OPERATION NOTARIAL III

APRIL 1983

AMENDMENT SHEET

PROJECT REPORT

OPERATION NOTORIAL III

APRIL 1983

Amendment List		Amendment Made By	Date
No	Date		

DISTRIBUTION

Dept of Defence (Army Office)	- DSvy-A	3
	- DGOP-A	2
HQ FF Comd	- Ops Br	2
	- S01 (SVY)	1
HQ 4 MD		2
Army Svy Regt		2

Internal:

OC 4 Fd Svy Sqn		1
Det IC		1
File		1
Library		2

4 FIELD SURVEY SQUADRONPROJECT REPORTOPERATION NOTARIAL IIIAPRIL 1983

Title Page

Amendment Sheet

iii

Distribution

iv

Contents

v

General

1

Operational Results

2

Administration

3-12

Logistics

13-14

Communications

16

Annex: A. Field Annotation Report

PROJECT REPORT

OPERATION NOTARIAL STAGE III

- References:
- A. Dept of Defence (AO) Op Instr 6/82 A339-1-350 dated 20 Aug 82
 - B. HQ 4 MD Mounting Instr 788/2S/45 dated 13 Apr 83
 - C. DGOP-A/123/82 dated 7 Apr 83
 - D. Dept of Defence (AO) Op Instr 5/83 7610-10-22 dated 12 Apr 83

General

1. Operation Notarial III was mounted by 4 Fd Svy Sqn during the period 18-30 Apr 83. The aim of the operation was to field annotate 4 x 1:50 000 enhanced orthophoto maps in the 1:250 000 scale map area of SF 53-14 ALICE SPRINGS. The op was to be carried out in conjunction with Op MIDOP which was mounted by RAE to trial the approach to the collection and recording of military infra-structure directory (MID) information.

Operational Results

2. All maps listed for field annotation were checked. A detailed report is contained in Annex A.

Administration

3. Manning. The force was composed of the following personnel:

SSGT A. Brown,	18-30 Apr 83	4 Fd Svy Sqn
SPR B. Bannerman,	18-30 Apr 83	4 Fd Svy Sqn

4. Visits. The following personnel visited the AO:

MAJ E.R. Schulze,	OC 4 Fd Svy Sqn	28-29 Apr 83
MAJ P.A. Bates-Brownsword,	S02 (OPS) DSvy-A	28-29 Apr 83

5. Main Base. The main base was situated at the NORFORCE Depot, Alice Springs.

6. Rations. Meal elm of TA was provided.

7. Stores. All stores required were supplied by 4 Fd Svy Sqn.

8. Health. All personnel had no health problems during the operation.

9. Morale. The level of morale was high throughout the operation.

10. Discipline. No situation arose where disciplinary action was required.

11. Pay and Allowances

a. Pay. Members received pay in advance for the full period of the operation.

/b. Allowances.

b. Allowances. The following allowances were paid to each member:

- (1) Incidental and meal element of TA for the duration of the OP, and
- (2) District Allowance whilst in the AO.

12. Public Relations/Liaison. Working in the Alice Springs area, contact was made with many members of the public. Assistance was received from the following:

- a. Officer-in-Charge, Alice Springs Police Station.
- b. Mr Keith Mooney-Smith, Dept Lands, NT.
- c. Mr S. Wyche, Dept Minerals and Energy, NT.
- d. Mr J. Amadio, Electricity Commission, NT.
- e. COL Fox, 421 Det, United States Air Force
- f. Mr Kenyon, President Iwipataka Council, Iwipataka.
- g. Mr Hayes, Undoolya Station.
- h. Mr Heaslop, Bond Springs Station.


Logistics

13. Fuel. 1190 litres of MT premium fuel was purchased locally from Shell, Todd River, by SP 27, supplied by 41 Sup Bn.

14. Vehicles. 2 x Truck Carryall $\frac{3}{4}$ ton GS series 3 Landrover were used on the operation. Vehs were positioned in Alice Springs by Det 4 Fd Svy Sqn pers from Op NEURATION based at Tennant Creek and returned on completion by MAJ Schulze and MAJ Bates-Brownsword to Tennant Creek.

Communications

15. Rear Link. Rear link communications were provided by telephone operated by Telecom Credit Card two times per week to OC 4 Fd Svy Sqn.


(E.R. SCHULZE)
MAJ
OC

30 May 83

Annex: A. Field Annotation Report

FIELD ANNOTATION REPORT

Task

1. To field annotate 4 x 1:50 000 enhanced orthophoto maps in Northern Territory. The maps were contained within the 1:250 000 map sheet SF 53-14 Alice Springs.
2. Standards to be in accordance with RA Svy Symbolization All Series 1:50 000 map specifications and SOP for Cartographic Enhancement of Random Dot OPMs dated 25 Feb 82.
3. Supplementary photography in the area of operations was not necessary due to availability of Lands photography flown 21 Aug 82.
4. Execution. Two by two-man parties were deployed on a daily basis from Alice Springs. Initially as an ENGR and a SVY party but subsequently amalgamating to form two composite parties when it became apparent that a duplication of effort may otherwise need to occur. Generally it was found that the greater part of the time was spent in field annotation.

Field Annotation Material

5. Two units were involved in the preparation of field completion data:
 - a. 4 Fd Svy Sqn - plotted 4 x 1:50 000 areas. Selected cultural detail and 10m contours had been plotted.
 - b. Army Svy Regt - supplied 2 x matt bromide prints (composite grid and imagery).
6. Master ozafilm sheets of the cultural and field check sheets were produced for use in the field.
7. Photography. A set of aerial photography was taken on the Op.
8. Other Agency Data. As a result of technical liaison the following data was obtained from other agencies:
 - a. Pastoral Plans
 - b. Proposed Alice Springs - Darwin Rly
 - c. 22 kV Power Line Layout
 - d. Palm Valley - Alice Springs Gas Pipeline
9. Field Annotation Methods. The field check responsibilities included the annotation of cultural detail, road classification and obtaining and verifying names.
10. Military Infrastructure Directory. The gathering of information included bridges, causeways, floodways, quarries, bores, tanks, roads, etc. A detailed report is to be issued by DENGRS-A.

/Conclusions

Conclusions and Recommendations

11. Selected detail cultural plots depicting that detail which would otherwise not readily be discernable on the bromides greatly assisted the annotation task.

12. It is considered that the collection of data for the military infrastructure directory is a task which could feasibly be carried out by adequately briefed/trained RA Svy personnel, once the requirement has been fully detailed, in conjunction with standard field annotation on field completion tasks. .

13. Furthermore, it is considered that MID information could be gathered within the time frame normally required for field annotation in other than built up areas where a loading of twenty to fifty per cent could be required dependent upon the nature of development.