

# ROYAL AUSTRALIAN SURVEY CORPS

## REPORT ON OPERATION SHORT WALK III



**4 FIELD SURVEY SQUADRON**  
**1978**

30

RESTRICTED

PROJECT REPORT

OPERATION

"SHORT WALK III"

AMENDMENTS

No	Date	Initials	No	Date	Initials

RESTRICTED

RESTRICTED

4 FIELD SURVEY SQUADRON  
PROJECT REPORT  
OPERATION SHORT WALK III

- References:
- A. DOD (AO), 474/1/48 dated 8 Aug 78
  - B. 4 FF Gp, Ops 1575 of 100600Z Aug 78
  - C. 4 Fd Svy Sqn, Op Instr 1/78 dated 16 Aug 78

General

1. Operation SHORT WALK III was mounted to field complete 1:100 000 and 1:50 000 scale maps in the SH53-7 Billa Kalina and SH53-11 Kingoonya 1:250 000 scale map areas:

a. 1:100 000 Scale:

5939 ENGENINA  
6039 COMPEERA  
6139 IRRAPATANA

b. 1:50 000 Scale

5938-IV	MT SANDY	6138-I	MUDLA
5938-III	PEAK	6138-II	EMU CREEK
5937-IV	SUNDOWN	6137-I	CURDLAWIDNEY
5937-III	GOURLEYBYNG	6137-II	PARAKYLIA
5936-IV	LABYRINTH	6136-I	BEDDOME
5936-III	RENTON	6136-II	HANSON
5936-II	KINGOONYA	6136-III	YOUNGHUSBAND
6036-III	ROSS	6036-II	PATRICIA

2. In addition to field completion, the opportunity was taken to obtain identification photography of selected horizontal control points in the area of operation.

3. The operation commenced on 21 Aug 78 and was completed on 26 Sep 78. Duration was 37 days.

4. The area of operation is shown in Annex A to this report.

Pre-operation Training

5. In the months preceeding the operation, there had been a large turn-over of unit personnel. Of the 14 Survey technicians available for the operation:

- a. only two had previously been engaged in a similar type of operation with the unit;

/b. four members,

- b. four members, although experienced in various aspects of surveying and cartography, had recently completed long postings at Army Svy Regt, and had little or no experience in field operations;
  - c. five had completed their Initial Employment Training within the period 12 to 3 months before the operation and had no training in field completion; and
  - d. no member was trained in the operation aerial cameras.
6. To overcome the general lack of experience and formal training, pre-operation training in the essential elements of field completion, Sqn SOP and aerial camera operation was undertaken. The training was given over the period 14 to 18 Aug 78 by instructors drawn from the more experienced members of the unit.
7. The training included a short, practical exercise in field completion, in the Woodside Camp Area. No practical instruction could be given in the operation of aerial cameras, there being no camera available for this purpose, Camera instruction was restricted to theory and classroom lectures with the aid of diagrams and films.
8. The syllabus for the pre-operation training is given in Annex B to this report.
9. The operation was manned by 4 Fd Svy Sqn personnel, with attachments from other ARA and ARES units. Army Avn personnel were allocated in direct support.
10. A nominal role of all personnel engaged on the operation is Annex C to this report.

#### Organization

11. The operation was carried out by 4 Fd Svy Sqn (-) under command of 3172833 CAPT R.L. Roche. The force was sub-divided into a HQ Gp, two Fd Gps, a Spt Gp and a Fwd Base HQ.
12. Fwd Base HQ comprised 1 officer and 3 OR. This HQ provided co-ordination, cooking, general duties and vehicle maintenance for the forward bases. The provision of this HQ made possible a maximum technical effort by removing the necessity to roster technicians for non-technical duties.
13. The organization is shown in Annex D to this report.

#### Bases

14. A main base was established at DSC, Mirikata. Forward bases were occupied at Parakylia and Kingoonya.
15. HQ Gp was located at the main base for the duration of the operation. Other groups were located as follows:

a. Fd Gp A:

- (1) Main base - 23 Aug 78 to 3 Sep 78.
- (2) Parakylia - 4 Sep 78 to 12 Sep 78.

/(3) Kingoonya -

- (3) Kingoonya - 13 Sep 78 to 14 Sep 78.
  - (4) Main base - 14 Sep 78 to 26 Sep 78.
- b. Fd Gp B:
- (1) Parakylya - 23 Aug 78 to 3 Sep 78.
  - (2) Main base - 4 Sep 78 to 5 Sep 78.
  - (3) Kingoonya - 6 Sep 78 to 14 Sep 78.
  - (4) Main base - 15 Sep 78 to 25 Sep 78.
- c. Spt Gp:
- (1) The rotary-wing aircraft was co-located with Fd Gp A.
  - (2) The fixed-wing aircraft was located at the main base.
- d. HQ Fwd Base:
- (1) IC Fwd Base and one vehicle mechanic were co-located with Fd Gp B.
  - (2) The cook and one vehicle mechanic were located at Parakylya from 23 Aug 78 to 12 Sep 78 and at the main base from 13 Sep 78 to 25 Sep 78.

Method of Operation

16. With the exception of 5939 ENGENINA, 6036 COMPEERA, 6139 IRRAPATANA and 6138-1 MUDLA, all maps were checked both on the ground and from the air. Ground parties (Fd Gp B) checked cultural detail, including additions and deletions, road and track classifications, buildings, dams, fences, gates, etc. Air parties (Fd Gp A) were primarily concerned with the classification of drainage and vegetation features. There was liaison between ground and air parties and queries raised by ground parties were double-checked by the air parties.

17. Due to both the rough going and the lack of cultural detail in the northern map areas, it was more efficient to check the maps excepted in para 16 above by air only. In this instance the air parties checked all detail.

Recording of Information

18. Field completion was done using preliminary maps printed by silk screen from the plot sheets. In addition stable base copies of the plot sheets (Ozalids) were produced for the recording of amendments.

19. In the field, field parties marked amendments and classification information on to a copy of the relevant preliminary map and made notes for inclusion in a field completion report. Enlarged field sketches were made of areas of dense cultural detail and areas requiring supplementary photography were noted.

/20. On return to base,

20. On return to base, the information was transferred to the stable base copies of the plot sheets and requests for supplementary photography were marked up on a preliminary map allocated for that purpose.
21. The transfer of information was checked daily by IC Fd Gp and all anomalies were resolved before proceeding further with the field completion.
22. Colour guides for each map were produced concurrently with the transfer of information to the stable base copies.
23. Detailed reports of each map area are given in Annex E to this report.

Liaison with Property Owners/Managers

24. Before the departure of 4 Fd Svy Sqn (-) from Adelaide, all property owners/managers within the area of operation were contacted by letter. They were forwarded copies of the relevant preliminary maps on which they were asked to note any anomalies that they were aware of, particularly names and changes to cultural detail.
25. During the operation all owners/managers were visited by a member of a field party, and the copy of the preliminary map was collected.
26. All of the property owners/managers were very co-operative and those who had not been able to mark-up information on the copies of the preliminary maps, supplied verbal information to field party members. All information obtained from the owners/managers was confirmed by the field parties.
27. Mr Brian Murray, manager of Parakylia Station, was particularly helpful. He made his shearers quarters available to members of the forward base located on his property, and went to some trouble to ensure that water was connected and that the ablutions were in working order.
28. The following property owners/managers were contacted:

Bulgunia:	Mr G.H. Menadue
Wilgena :	Mr I. Slade
Coondambo:	Mr D. Mould
Mt Vivian:	Mr D. Smith
Bon Bon:	Mr K.J. Beams
The Twins:	Mr D.R. Rankin
Ingomar:	Mr G.R. Rankin
Mabel Creek:	Mr I.J. Rankin
Roxby Downs:	Mr T. Allison
Wirraminna:	Mr J. Fuller
Billa Kalina:	Mr K. Greenfield
Anna Creek:	Mr D. Nunn

/Ident Photography

Ident Photography

29. A total of 35 horizontal control points in the Kingoonya and Billa Kalina 1:250 000 scale map areas were targetted and photographed. A separate report is Annex F to this report.

Photography Processing and Clearance

30. All photography was developed by DRC, Woomera and has been security cleared with a RESTRICTED classification.

Aircraft Support

31. 150 task hours were allocated for rotary-wing aircraft (LOH) and 50 hrs for fixed-wing (Porter). All of the LOH hours were used and the Porter used 44 hours.

32. LOH were changed over after 75 hours to avoid the necessity of carrying out a service in the field. Army 055 (CAPT Coulphard and LCPL Unsworth) was in support from 24 Aug 78 to 9 Sep 78. Army 046 (CAPT Molan and CFN Shaw) was in support from 10 Sep 78 to 24 Sep 78.

33. Army 046 went unserviceable at 1200 hrs, 17 Sep 78 with a damaged main rotor blade. Service personnel were flown from Oakey to Woomera on 18 Sep 78. Repairs were carried out at Woomera and the aircraft was back in service by 1200 hrs 19 Sep 78.

34. The Porter (LT Janus and CFN Lee) was in support from 15 Sep 78 to 25 Sep 78.

35. Army Avn personnel were very co-operative and they made a significant contribution to the success of the operation.

Administration

36. Defence Research Centre. The following assistance was received from DRC, Woomera:

- a. accommodation at Mirikata, including the use of messing and recreation facilities;
- b. use of DRC aircraft for ration resupply and mail between Woomera and Mirikata;
- c. supply of vehicle fuel at Mirikata;
- d. aircraft servicing facilities at Woomera; and
- e. rear link communications (telephone and telex).

37. Pay. Members of 4 Fd Svy Sqn were paid in advance for the duration of the operation.

38. Allowances. All personnel were entitled to Woomera Locality Allowance (Code, WOM 44) at the rate of \$1.35 per day on the eighth and subsequent days.

/39. Visits.

39. Visits. The following visited main base on 18 Sep 78:
- |       |                    |                       |
|-------|--------------------|-----------------------|
| BRIG  | P.J. Greville, CBE | COMD 4 FF Gp/4 MD     |
| LTCOL | T.J. Wilkinson     | COFS, 4 FF Gp/4 MD    |
| MAJ   | R.R. Hay           | 41 Sup Bn, SUPO (OPS) |
| CAPT  | W.J. Arndt         | SO3 OPS, 4 FF Gp/4 MD |
| CPL   | S.L. Nilon         | 4 Fd Svy Sqn          |

Communications

40. Communication between main base, forward bases and field parties was by AN/PRA-F1 radio. Reception was good during daylight hours over distances of up to 120 Km.

41. Rear link communication facilities were provided by DSC. Telephone facilities were made available at Mirikata and messages were transmitted by telex from Woomera. Messages were passed from Mirikata to Woomera by telephone.

Logistics

42. Rations. Non-perishable rations were issued by 41 Sup Bn prior to departure of 4 Fd Svy Sqn (-) from Adelaide. An amount of \$3000.00 was advanced for the purchase of perishable rations in the area of operation. Perishable rations were purchased from the Woomera Community Store. \$2685.15 of the advance was expended, representing \$3.41 per man, per day. A discount of 10% was given on all items.

43. AVTUR. 25,800 litres of AVTUR were used. The AVTUR was supplied by 41 Sup Bn. An initial issue of 10,400 litres was positioned by 4 Tpt and Mov Gp on 22 Aug 78: 7400 litres at Mirikata; and 3000 litres at Parakylia. 4 Fd Svy Sqn (-) further established, and later recovered, dumps at Brumby Creek in the north-west, Greenfields Bore in the north-east and at Kingoonya in the south of the area of operation. A resupply of 17600 litres was positioned by 4 Mov and Tpt Gp on 5 Sep 78 : 14600 litres at Mirikata; and 3000 litres at Parakylia. Unused fuel (2200 litres) and empty drums were recovered from Mirikata and Parakylia by 4 Tpt and Mov Gp on 5 Sep 78 and 19 Sep 78.

44. MT Fuel. 11928 litres of MT fuel were used. En route to the area of operation fuel was purchased on AAF-FST18 from Department of Administrative Services at Woomera (825 litres). In the area of operation fuel was obtained as follows:

- a. 600 litres issued in 200 litre drums by 41 Sup Bn and transported to the area by 4 Fd Svy Sqn (-);
- b. 4000 litres issued by 41 Sup Bn and positioned at Parakylia by 4 Tpt and Mov Gp;
- c. 5269 litres purchased on AAF-FS18 from Department of Administrative Services, Mirikata; and
- d. 1234 litres purchased on AAF-FST18 from Fox's Roadhouse, Kingoonya;

/45. Vehicle Oil and

45. Vehicle Oil and Lubricants. Vehicle oil and lubricants were issued by 41 Sup Bn, and were transported to the area of operation by 4 Fd Svy Sqn (-).

*R.L. Roche Capt*

(R.L. ROCHE)

CAPT

IC OP

20 Nov 78

- Annexes:
- A. AREA OF OPERATION
  - B. SYLLABUS, PRE-OPERATION TRAINING
  - C. NOMINAL ROLL
  - D. ORGANIZATION
  - E. FIELD COMPLETION REPORTS
  - F. TARGETTING AND IDENT PHOTOGRAPHY

Distribution:

Reg Nos

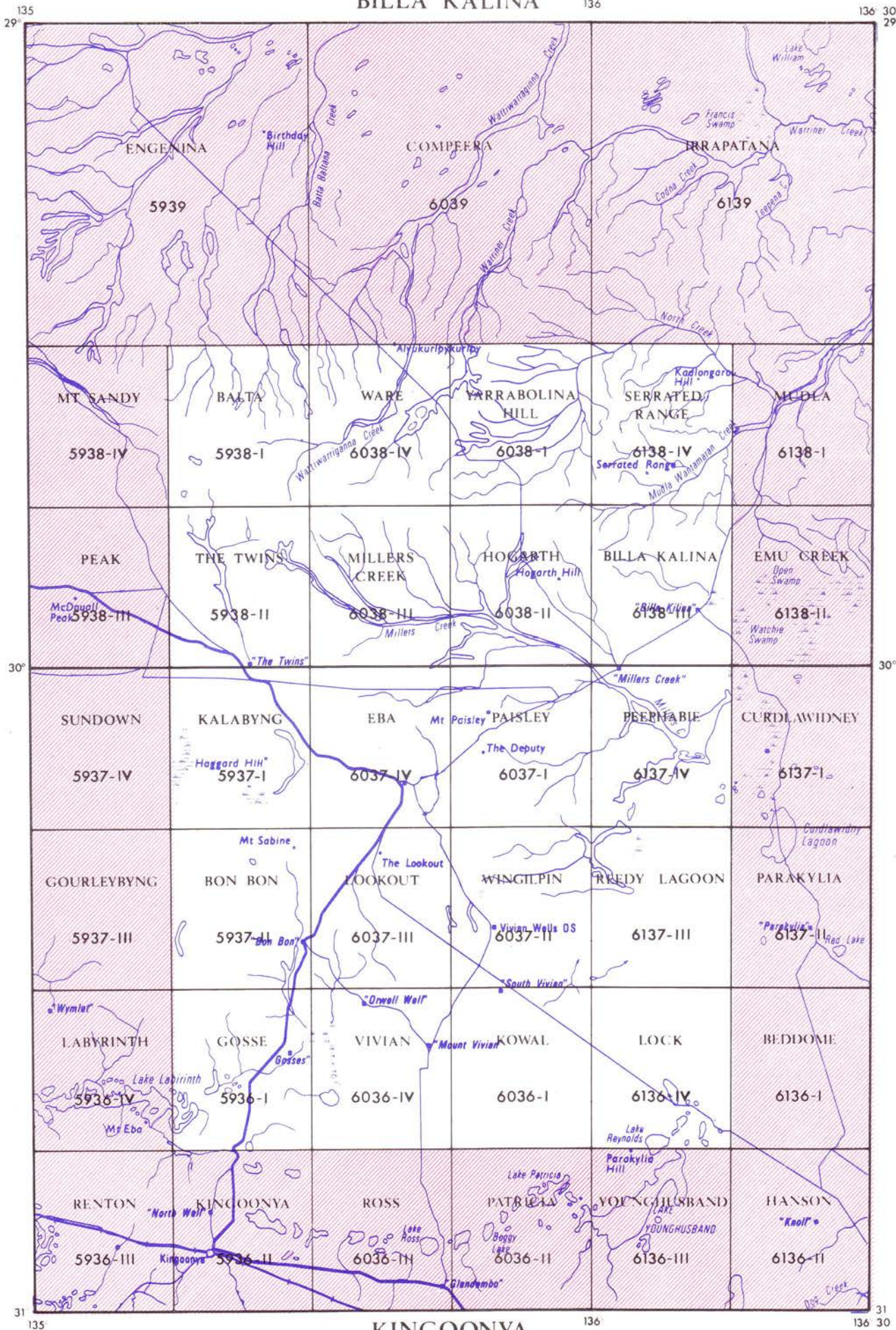
External:

Department of Defence (AO)	(2)	01-02
Department of Defence (AO) D Svy	(3)	03-05
HQ FF Comd	(3)	06-08
HQ 4 FF Gp/4 MD	(2)	09-10
Army Svy Regt	(2)	11-12
DSC, Woomera	(1)	13
DRC, Salisbury	(1)	14
School of Mil Svy	(4)	15-18
1 Fd Svy Sqn	(1)	19
2 Fd Svy Sqn	(1)	20
5 Fd Svy Sqn	(1)	21
8 Fd Svy Sqn	(1)	22
Int Centre	(1)	23

Internal:

OC, 4 Fd Svy Sqn	(1)	24
Sqn Tech Library	(5)	25-29
Mapping Area File	(1)	30

# AREA OF OPERATION SHORT WALK III BILLA KALINA



FIELD COMPLETION

KINGOONYA

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ANNEX B  
TO PROJECT REPORT  
OPERATION SHORT WALK III

SYLLABUS

PRE OPERATION TRAINING

SHORTWALK III

Serial	Date	08200-0900	0910-0950	1015-1055	1100-1140	1145-1225	1320-1400	1410-1450	1515-1555	Evening	
1.	Mon 14 Aug 78	Outline of Op CAPT Roche All	Recording of Info CAPT Roche Fd Gp A & B	FIELD COMPLETION SSGT KEMP SSGT STASIUK FD GP A & B			Radio Setting Up and Voice Procedure CAPT Cooper All	POL Account- ing SGT Brock All			
2.	Tue 15 Aug 78	INTERPRETATION CAPT ROCHE FD GP A & B				Panelling CAPT Cooper Fd Gp A&B	Vehicle Op & Recovery SGT Brock Fd Gp A & B	Hts of Towers CAPT Cooper Fd Gp A & B			
3.	Wed 16 Aug 78	Preparation for Practical Exercise - Woodside area SSGT Stasiuk Fd Gp A & B					SPORT				
4.	Thu 17 Aug 78	PRACTICAL EXERCISE FD GP B - SSGT STASIUK RC 10 CAMERA FD GP A - SSGT MCHENRY									
5.	Fri 18 Aug 78	AS FOR SERIAL 4 AS FOR SERIAL 4							Debrief CAPT Roche All		
6.	Mon 21 Aug 78	ISSUE AND PACKING OF STORES CAPT Cooper Fd Gp B									

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ANNEX C  
TO PROJECT REPORT  
OPERATION SHORT WALK III

NOMINAL ROLL  
OPERATION SHORT WALK III

4 Fd Svy Sqn

3172833	CAPT	R.L.	Roche
43786	CAPT	R.W.	Cooper
213599	WO2	H.R.	Broadbent
44001	SSGT	W.B.	Kemp
4411048	SSGT	J.	Stasiuk
42045	SGT	R.J.	Brock
45549	SGT	B.J.	Richardson
220351	CPL	T.A.	Hosie
840023	CPL	K.R.	Langley
43223	CPL	P.G.	Manoel
45556	CPL	R.W.	Moss
47142	CPL	R.F.	Quinlivan
46554	CPL	G.R.	Ragless
313376	CPL	D.R.	Thirlwell
313982	CPL	T.J.	Wicker
317729	SPR	D.J.	Cook
552549	SPR	J.J.	Couanis
48299	SPR	S.	Hibbert
226223	SPR	G.S.	Honan
320155	SPR	B.D.	Johnson
49555	PTE	G.M.	Lawrence
448281	PTE	D.W.	Tilley

4 Trg Gp

29314 SGT R. Battersby

4 EME SVCS Unit

433339 CPL N.J. Cashman

Adel Wksp Coy

47726 APP F. Romano

1 Avn Regt

212245	CAPT	J.P.	Coulphard
39921	CAPT	A.J.	Molan
317388	LT	R.H.	Janus
1204824	LCPL	R.E.	Unsworth
220883	CFN	A.D.	Shaw
1204213	CFN	C.G.	Lee

Reserves (1 Avn Regt)

217038	CAPT	R.W.	Thomson
46431	CFN	B.D.	Wilson

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ORGANIZATION  
OPERATION SHORT WALK III

IC Op : CAPT R.L. Roche

HQ Fwd Base

IC (2IC Op) : CAPT R.W. Cooper  
Cook : SGT R. Battersby  
Veh Mech : CPL N.J. Cashman  
APP F. Romano

HQ Sect

Q/Admin : WO2 H.R. Broadbent  
Tpt Spvr: SGT R.J. Brock  
Drvr : PTE D.W. Tilley  
Cook : CPL R.F. Quinlivan  
GD : CPL P.G. Manoel  
PTE C.M. Lawrence

Spt Sect

CAPT J.P. Coulphard  
CAPT A.J. Molan  
LT R.H. Janus  
LCPL R.E. Unsworth  
CFN A.D. Shaw  
CFN C.G. Lee

Fd Gp A  
IC : SSGT W.B. Kemp

Fd Party 1

IC : CPL R.W. Moss  
SPR S. Hibbert

Fd Party 2

IC : CPL T.A. Hosie  
CPL K.R. Langley

Fd Gp B

IC : SSGT J. Stasiuk

Fd Party 3

IC : CPL G.R. Ragless  
SPR G.T. Honan

Fd Party 4

IC : CPL D.R. Thirlwell  
SPR B.D. Johnson

Fd Party 5

IC : SGT B. Richardson  
SPR D.J. Cook

Fd Party 6

IC : CPL T.J. Wicker  
SPR J.J. Couanis

FIELD COMPLETION REPORTS

Reference: A. 4 Fd Svy Sqn field book 10/78

1. The field completion reports in appendixes 1-19 inclusive were compiled from Reference A. More detailed information can be obtained from the Reference.

<u>Appendix:</u>	1	6138-II	EMU CREEK
	2	6137-I	CURDLAWIDNEY
	3	6137-II	PARAKYLIA
	4	6136-I	BEDDOME
	5	6136-II	HANSON
	6	6136-III	YOUNGHUSBAND
	7	6036-II	PATRICIA
	8	6036-III	ROSS
	9	5936-II	KINGOONYA
	10	5936-III	RENTON
	11	5936-IV	LABYRINTH
	12	5937-III	GOURLEYBYNG
	13	5937-IV	SUNDOWN
	14	5938-III	PEAK
	15	5938-IV	MT SANDY
	16	5939	ENGENINA
	17	6039	COMPEERA
	18	6139	IRRAPATANA
	19	6138-I	MUDLA

FIELD COMPLETION REPORT

1. Map

- a. Number 5938-1V
- b. Name MOUNT SANDY
- c. Scale 1:50,000
- d. Edition 1 AAS

2. Duration

- a. Ground. Field completion was commenced on 16 Sep 78 and completed on 18 Sep 78.
- b. Air. Field completion was commenced on 19 Sep 78 and completed on 19 Sep 78.

3. Method

- a. Ground. Ground parties, comprising two persons in a vehicle, field completed cultural detail, and drainage and vegetation where accessible.
- b. Air. An air party, comprising two persons in Kiowa helicopter, field completed drainage vegetation and relief, checked areas requested by the ground parties and checked cultural detail where they overflew it.

4. Personnel

- a. Ground. Ground parties consisted of the following personnel:
  - (1) CPL T.J. Wicker (IC party)
  - (2) APP F. Romano
  - (3) CPL N. Cashman
  - (4) SPR J.J. Couanis
- b. Air. The air party consisted of the following personnel:
  - (1) CPL R.W. Moss (IC party)
  - (2) CPL D.R. Thirwell

5. Contacts. Local information including some names were supplied by  
Mr G.R. Rankin  
Owner  
Ingomar Station
  
6. Amendments. The following significant additions, deletions or changes were made to the map.
  - a. Cultural Some tracks were found to be not usable and were deleted.
  - b. Drainage Various minor classification changes were made.
  - c. Vegetation Some canegrass was added.
  - d. Relief No changes were made.
  
7. Comments and recommendations
  - a. It is recommended that dams which are large enough to be drawn to scale be shown as follows:
    - (1) That a surrounding earth wall be shown using the levee symbol (B 13).
    - (2) That the water area be portrayed using the symbol appropriate to the classification determined in the field.
  - b. It is recommended that canegrass be shown using the tropical grass symbol on STI and labelled canegrass.
  - c. It is recommended that bores which are determined to be unsuitable for human consumption be labelled salt.

FIELD COMPLETION REPORT

1. Map

- a. Number 5938 III
- b. Name PEAK
- c. Scale 1:50,000
- d. Edition 1 AAS

2. Duration

- a. Ground. Field completion was commenced on 18 Sep 78 and completed 19 Sep 78.
- b. Air. Field completion was commenced on 18 Sep 78 and completed on 18 Sep 78.

3. Method

- a. Ground. Ground parties, comprising two persons in a vehicle, field completed cultural detail, and drainage and vegetation where accessible.
- b. Air. An air party, comprising two persons in Kiowa helicopter, field completed drainage vegetation and relief, checked areas requested by the ground parties and checked cultural detail where they overflowed it.

4. Personnel

- a. Ground. Ground parties consisted of the following personnel:
  - (1) CPL R.W. Moss (IC party)
  - (2) SPR B.D. Johnson
  - (3) CPL D.R. Thirwell (IC party)
  - (4) APP F. Romano
  - (5) SPR G.J. Honan
- b. Air. The air party consisted of the following personnel:
  - (1) CPL R.W. Moss (IC party)
  - (2) CPL D.R. Thirwell

5.       Contacts.       G.R. Rankin  
                          Owner  
                          The Twins Station

6.       Amendments. The following significant additions, deletions or changes were made to the map:

a.       Cultural

- (1)    A new holding paddock was positioned at Coronation Bore.
- (2)    Some minor tracks were found to be of no use on the ground and were removed.

b.       Drainage    A few minor classification changes were made.

c.       Vegetation

- (1)    Some canegrass was added.
- (2)    Some areas of distinctive rows of medium scrub were found (see recommendations).

d.       Relief     No changes were made.

7.       Comments and recommendations

- a.    It is recommended that areas of distinctive rows of medium scrub be shown as scattered scrub with the descriptive note, scattered rows of scrub.
- b.    It is recommended that dams which are large enough to be drawn to scale be shown as follows:
  - (1)    That a surrounding earth wall be shown using the levee symbol (B 13).
  - (2)    That the water area be portrayed using the symbol appropriate to the classification determined in the field.
- c.    It is recommended that canegrass be shown using the tropical grass symbol on STI and labelled canegrass.
- d.    It is recommended that Ti-tree be shown as dense vegetation on sand and labelled Ti-tree.
- e.    It is recommended that bores which are determined to be unfit for human consumption be labelled salt.

FIELD COMPLETION REPORT

1. Map
  - a. Number 5937-IV
  - b. Name SUNDOWN
  - c. Scale 1:50,000
  - d. Edition 2 AAS
  
2. Duration
  - a. Ground. Field completion was commenced on 15 Sep 78 and completed on 18 Sep 78.
  - b. Air. Field completion was commenced on 17 Sep 78 and completed on 19 Sep 78. The helicopter was unserviceable for part of this period.
  
3. Method
  - a. Ground. Ground parties, comprising two persons in a vehicle, field completed cultural detail, and drainage and vegetation where accessible.
  - b. Air. An air party, comprising two persons in Kiowa helicopter, field completed drainage vegetation and relief, checked areas requested by the ground parties and checked cultural detail where they overflow it.
  
4. Personnel
  - a. Ground. Ground parties consisted of the following personnel:
    - (1) SGT B. Richardson (IC party)
    - (2) SPR G.J. Honan
  - b. Air. The air party consisted of the following personnel:
    - (1) CPL G.R. Ragless (IC party)
    - (2) SPR J.J. Couanis
    - (3) CPL R.W. Moss (IC party)
    - (4) CPL D.R. Thirwell
  
5. Contacts. Names and cultural detail were confirmed by:  

Mr Graham H. Menadue  
Manager  
Bulgunnia Station

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E3-2

6. Amendments. The following significant additions, deletions or changes were made to the maps:

a. Cultural

- (1) Fences appearing on the edition 1 map but not seen during plotting were found and added.
- (2) Some tracks were found to be of no value and were deleted from the map.

b. Drainage. Some areas plotted as drainage features were found to have no significance and were deleted.

c. Vegetation. Some areas of canegrass were added.

d. Relief. No changes were made.

7. Comments and recommendations

a. It is recommended that bores which are determined to be unfit for human consumption be labelled salt.

b. It is recommended that dams which are large enough to be drawn to scale, be shown as follows:

- (1) That a surrounding earth wall be shown using the levee symbol (B13).
- (2) That the water area be shown using the symbol appropriate to the classification determined in the field.

c. It is recommended that canegrass be shown as tropical grass superimposed on STI and labelled canegrass.

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FIELD COMPLETION REPORT

1. Map

- a. Number 5937 III
- b. Name GOURLEYBYNG
- c. Scale 1:50,000
- d. Edition 1 AAS

2. Duration

- a. Ground. Field completion was commenced on 15 Sep 78 and completed on 17 Sep 78.
- b. Air. Field completion was commenced on 15 Sep 78 and completed on 15 Sep 78.

3. Method

- a. Ground. Ground parties, comprising two persons in a vehicle, field completed cultural detail, and drainage and vegetation where accessible.
- b. Air. An air party, comprising two persons in KIOWA helicopter, field completed drainage vegetation and relief, checked areas requested by the ground parties and checked cultural detail where they overflowed it.

4. Personnel

- a. Ground. Ground parties consisted of the following personnel:
  - (1) CPL D.R. Thirwell (IC party)
  - (2) CPL R. Moss
- b. Air. The air party consisted of the following personnel:
  - (1) CPL T.A. Hosie (IC party)
  - (2) SPR B.D. Johnson

.../5. Contacts.

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E4-2

5. Contacts. Names and cultural detail were confirmed by:

Mr Graham H. Menadue  
Manager  
Bulgannia Station

6. Amendments. The following significant additions, deletions or changes were made to the map:

a. Cultural

- (1) Some minor tracks which were not found were deleted.
- (2) A fence plotted at GR 1550 was repositioned at GR 2252.

b. Drainage. Numerous minor classification changes were made.

c. Vegetation. Some areas of cane grass and Ti-tree were found.

d. Relief. No changes were made.

7. Comments and Recommendations

a. It is recommended that bores which are determined to be unfit for human consumption be labelled salt.

b. It is recommended that canegrass be shown using a tropical grass symbol on STI and labelled cane grass.

c. It is recommended that areas of Ti-tree be shown as dense vegetation on sand and labelled Ti-tree.

d. It is recommended that dams which are large enough to be drawn to scale be shown as follows:

- (1) That a surrounding earth wall be shown using the levee symbol (B13).
- (2) That the water area be shown using the symbol appropriate to the classification determined in the field.

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APPENDIX 5 TO  
ANNEX E TO  
PROJECT REPORT  
OPERATION SHORTWALK III

FIELD COMPLETION REPORT

1. Map

- a. Number 5936-IV
- b. Name LABYRINTH
- c. Scale 1:50,000
- d. Edition 1 AAS

2. Duration

- a. Ground. Field Completion was commenced on 12 Sep 79 and completed on 13 Sep 79.
- b. Air. Field Completion was commenced on 13 Sep 79 and completed on 13 Sep 79.

3. Method

- a. Ground. Ground parties, comprising two persons in a vehicle, field completed cultural detail, and drainage and vegetation where accessible.
- b. Air. An air party, comprising two persons in KIOWA helicopter, field completed drainage vegetation and relief, checked areas requested by the ground parties and checked cultural detail where they overflew it.

4. Personnel

- a. Ground. Ground parties consisted of the following personnel:
  - (1) CPL D.R. Thirwell (IC party)
  - (2) SPR B.D. Johnson
  - (3) CPL T.J. Wicker (IC party)
  - (4) SPR J.J. Couanis
- b. Air. The air party consisted of the following personnel:
  - (1) CPL T.A. Hosie (IC party)
  - (2) SPR B.D. Johnson

/5. Contacts

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E5-2

5. Contacts. Some feature names were obtained from Mr Bill Napier of North Well Station.
  
6. Amendments. The following significant additions, deletions or changes were made to the map:
  - a. Cultural. A fence was positioned by bearing and distance at GR 1112.
  - b. Drainage. Some minor classification changes were made.
  - c. Vegetation. Some areas of Ti-tree have been added.
  - d. Relief. No changes were made.
  
7. Comments and recommendations
  - a. It is recommended that bores which are determined to be unfit for human consumption be labelled salt.
  - b. It is recommended that areas of Ti-tree be shown as dense vegetation on sand and labelled Ti-tree.
  - c. It is recommended that where a lake has a redundant boundary, the inner boundary serve as the lake boundary and the outer area be portrayed as STI, the outer boundary being deleted.

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FIELD COMPLETION REPORT

1. Map

- a. Number 5936 - III
- b. Name RENTON
- c. Scale 1:50,000
- d. Edition 1 AAS

2. Duration

- a. Ground. Field completion was commenced on 7 Sep 78 and completed on 14 Sep 78.
- b. Air. Field completion was commenced on 14 Sep 78 and completed on 14 Sep 78.

3. Method

- a. Ground. Ground parties, comprising two persons in a vehicle, field completed cultural detail, and drainage and vegetation where accessible.
- b. Air. An air party, comprising two persons in Kiowa helicopter, field completed drainage vegetation and relief, checked areas requested by the ground parties and checked cultural detail where they overflew it.

4. Personnel

- a. Ground. Ground parties consisted of the following personnel:
  - (1) CPL G.R. Ragless (IC party)
  - (2) SPR G.J. Honan
  - (3) CPL T.J. Wicker (IC party)
  - (4) SPR J.J. Couanis
- b. Air. The air party consisted of the following personnel:
  - (1) CPL G.R. Ragless (IC party)
  - (2) SPR J.J. Couanis

5. Contacts

- a. Mr Bill Napier  
North Well Station
- b. Mr Ian Slade  
Wilgena Station

Little useful information was obtained.

6. Amendments. The following significant additions, deletions or changes were made to the map:

- a. Cultural. Some tracks were not found and were deleted.
- b. Drainage. Some minor classification changes were made.
- c. Vegetation. Some areas of Ti-tree and canegrass were added.
- d. Relief. No changes were made.

7. Comments and recommendations

- a. It is recommended that bores which are determined to be unfit for human consumption be labelled salt.
- b. It is recommended that canegrass be shown using a tropical grass symbol superimposed on STI and labelled canegrass.
- c. It is recommended that areas of Ti-tree be shown as dense vegetation on sand and labelled Ti-tree.
- d. It is recommended that where a lake has a redundant boundary, the inner boundary serve as the lake boundary and the outer area be portrayed as STI, the outer boundary being deleted.

FIELD COMPLETION REPORT

1. Map

- a. Number 5936-11
- b. Name KINGOONYA
- c. Scale 1:50,000
- d. Edition 1 AAS

2. Duration

- a. Ground. Field completion was commenced on 7 Sep 78 and completed on 14 Sep 78. Two days were lost due to a civil emergency and vehicle recovery.
- b. Air. Field completion was commenced on 12 Sep 78 and completed on 12 Sep 78.

3. Method

- a. Ground. Ground parties, comprising two persons in a vehicle, field completed cultural detail, and drainage and vegetation where accessible.
- b. Air. An air party, comprising two persons in Kiowa helicopter, field completed drainage vegetation and relief checked areas requested by the ground parties and checked cultural detail where they overflowed it.

4. Personnel

- a. Ground. Ground parties consisted of the following personnel:
  - (1) SGT B. Richardson (IC party)
  - (2) SPR D.J. Cook/CPL K.R. Langley
- b. Air. The Air party consisted of the following personnel:
  - (1) CPL R.W. Moss (IC party)
  - (2) CPL G.R. Ragless

5. Contacts. Local information was obtained from Senior Constable R. Nash of the Kingoonya Police Station.

6. Amendments. The following significant additions, deletions or changes were made to the map:

- a. Cultural. Kingoonya Township has had major changes since plotting and will have to be amended from supplementary photography.
- b. Drainage. No changes have occurred.
- c. Vegetation.
  - (1) One area of dense vegetation was added.
  - (2) Some small areas of canegrass were added.
- d. Relief. No changes were found.

7. Comments and Recommendations

- a. It is recommended that dams which are large enough to be drawn to scale be shown as follows:
  - (1) That the surrounding earth wall be shown using the levee symbol (B 13).
  - (2) That the water area be shown using the symbol appropriate to the classification determined in the field.
- b. It is recommended that bores which are determined to be unfit for human consumption be labelled salt.
- c. It is recommended that cane grass be shown using a tropical grass symbol superimposed on STI and labelled canegrass.
- d. It is recommended that areas of Ti-tree be shown as dense vegetation on sand and labelled Ti-tree.
- e. It is recommended that where a lake has a redundant boundary the inner boundary serve as the lake boundary and the outer area be portrayed as STI, the outer boundary being deleted.

FIELD COMPLETION REPORT

1. Map

- a. Number 6036 - 111
- b. Name ROSS
- c. Scale 1:50,000
- d. Edition 1 AAS

2. Duration

- a. Ground. Field Completion was commenced on 7 Sep 78 and completed on 11 Sep 78.
- b. Air. Field Completion was commenced on 12 Sep 78 and completed on 12 Sep 78.

3. Method

- a. Ground. Ground parties, comprising two persons in a vehicle, field completed cultural detail, and drainage and vegetation where accessible.
- b. Air. An air party, comprising two persons in KIOWA helicopter, field completed drainage vegetation and relief, checked areas requested by the ground parties and checked cultural detail where they overflowed it.

4. Personnel

- a. Ground. Ground parties consisted of the following personnel:
  - (1) CPL D.R. Thirwell (IC party)
  - (2) SPR B.D. Johnson
- b. Air. The air party consisted of the following personnel:
  - (1) CPL R.W. Moss (IC party)
  - (2) CPL G.R. Ragles

5. Contacts

- a. Mr Dick Mould  
Owner  
Coondambo Station

/5b. Kevin J. Beams

- b. Kevin J. Beams  
Manager  
Bon Bon Station

No information from these gentlemen caused changes on the map.

- 6. Amendments. The following significant additions, deletions or changes were made to the maps:
  - a. Cultural. Some minor changes were made to the track system on the sheet.
  - b. Drainage.
    - (1) A feature portrayed as mainly dry river bed at GR 6778 was found to be no different from its surrounds and was removed.
    - (2) Features shown as drains at GR 4892 proved not to be drains and were deleted.
  - c. Vegetation. Some areas of Ti-tree were found and plotted on the vegetation sheet.
  - d. Relief. No changes were made.

7. Comments and recommendations

- a. It is recommended that dams which are large enough to be drawn to scale be shown as follows:
  - (1) That a surrounding earth wall be shown using the levee symbol (B 13).
  - (2) That the water area be shown using the symbol appropriate to the classification determined in the field.
- b. It is recommended that canegrass be shown as tropical grass symbol superimposed on a mainly dry lake and labelled canegrass.
- c. It is recommended that bores which are deemed to be unfit for human consumption be labelled salt.
- d. It is recommended that areas of Ti-tree be shown as dense vegetation on sand and labelled Ti-tree.
- e. It is recommended that where a lake has a redundant boundary, that the inner boundary serve as the lake boundary and the outer area be portrayed as STI the outer boundary being deleted.

FIELD COMPLETION REPORT

1. Map
  - a. Number 6036 - 11
  - b. Name PATRICIA
  - c. Scale 1:50,000
  - d. Edition 2 AAS
  
2. Duration
  - a. Ground. Field Completion was commenced on 7 Sep 78 and completed on 11 Sep 78.
  - b. Air. Field Completion was commenced on 11 Sep 78 and completed on 11 Sep 78.
  
3. Method
  - a. Ground. Ground parties, comprising two persons in a vehicle, field completed cultural detail and drainage and vegetation where accessible.
  - b. Air. An air party, comprising two persons in KICWA helicopter, field completed drainage vegetation and relief, checked areas requested by the ground parties and checked cultural detail where they overflew it.
  
4. Personnel
  - a. Ground. Ground parties consisted of the following personnel:
    - (1) CPL T.J. Wicker (IC party)
    - (2) SPR J.J. Couanis
  - b. Air. The air party consisted of the following personnel:
    - (1) CPL T.A. Hosie (IC party)
    - (2) SPR G.J. Honan
  
5. Contacts
  - a. Mr Dick Mould  
Owner  
Coondambo Station

/5b. Mr Douglas Smith

RESTRICTED

E9-2

b. Mr Douglas Smith  
Manager  
Mount Vivian

6. Amendments. The following significant additions, deletions or changes were made to the map:

a. Cultural.

- (1) Minor additions and deletions have been made to tracks and fences in the map area.
- (2) The name Khan Paddock was supplied by Mr Smith for the paddock between Karana and South Kowal paddocks.
- (3) Mr Smith said that Lake Patricia was known locally as Lake Lagoon.
- (4) Mr Smith's information tended to be generally unreliable.

b. Drainage. Some minor classification changes were made.

c. Vegetation. Some areas of Ti-tree and canegrass were added.

d. Relief. Nil changes were made.

7. Comments and recommendations

a. It is recommended that dams which are large enough to be drawn to scale be shown as follows:

- (1) That a surrounding earth wall be shown using the levee symbol (B 13).
- (2) That the water area be shown using the symbol appropriate to the classification determined in the field ie mainly dry, intermittent or perennial.

b. It is recommended that Ti-tree be shown in the following manner:

- (1) That it be shown as dense vegetation.
- (2) That it be labelled Ti-tree.
- (3) That it have a sand stipple superimposed.
- (4) That no area drainage feature shall be shown in coincidence with it.

c. It is recommended that where a lake has a redundant boundary, that the inner boundary serve as the lake boundary, and the outer area be portrayed as STI, the outer boundary being deleted.

/7d. It is recommended

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E9-3

- d. It is recommended that bores which are determined to be unsuitable for human consumption be labelled salt.
- e. It is recommended that canegrass be shown as tropical grass symbol superimposed on STI symbol and labelled canegrass, as the feature appears to be distinctive areas of grass in what would otherwise be swamp.

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FIELD COMPLETION REPORT

1. Map
  - a. Number 6136 III
  - b. Name YOUNGHUSBAND
  - c. Scale 1:50,000
  - d. Edition 2-AAS
  
2. Duration
  - a. Ground. Field completion was commenced on 24 Aug 78 and completed on 27 Aug 78.
  - b. Air. Field completion was commenced on 11 Sep 78 and completed on 11 Sep 78.
  
3. Method
  - a. Ground. Ground parties, comprising two persons in a vehicle, field completed cultural detail, and drainage and vegetation where accessible.
  - b. Air. An air party, comprising two persons in Kiowa helicopter, field completed drainage vegetation and relief, checked areas requested by the ground parties and checked cultural detail where they overflowed it.
  
4. Personnel
  - a. Ground. Ground parties consisted of the following personnel:
    - (1) SGT B. Richardson (IC party)
    - (2) SPR D.J. Cook
  - b. Air. The air party consisted of the following personnel:
    - (1) CPL T.A. Hosie (IC party)
    - (2) SPR G.J. Honan
  
5. Contacts. Nil.
  
6. Amendments. The following significant additions, deletions or changes were made to the map:
  - a. Cultural. Some tracks no longer exist and have therefore been omitted.

RESTRICTED

E10-2

- b. Drainage. Some minor classification changes were made.
- c. Vegetation. Some distinctive areas of Ti-tree and canegrass were added.
- d. Relief. No changes were made.

7. Comments and recommendations

- a. It is recommended that dams which are large enough to be drawn to scale be shown as follows:
  - (1) That a surrounding earth wall be shown using the levee symbol (B13).
  - (2) That the water area be portrayed using the symbol appropriate to the classification determined in the field, ie mainly dry, intermittent or perennial.
- b. It is recommended that canegrass be shown in the following manner. That the canegrass be shown as tropical grass symbol superimposed on a mainly dry lake and the area labelled canegrass. This type of feature has a distinctive shoreline.
- c. It is recommended that Ti-tree be shown as follows:
  - (1) That it be shown as dense vegetation.
  - (2) That it be labelled Ti-tree.
  - (3) That it have a sand stipple superimposed.
  - (4) That no area drainage feature shall be superimposed on it or by it.
- d. It is recommended that bores which are deemed to be unfit for human consumption be labelled salt.
- e. It is recommended that where a lake has a redundant boundary, that the inner boundary serve as the lake boundary and the outer area be portrayed as STI, the outer boundary being deleted.

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FIELD COMPLETION REPORT

1. Map

- a. Number 6136-11
- b. Name HANSON
- c. Scale 1:50,000
- d. Edition 2-AAS

2. Duration

- a. Ground. Field completion was commenced on 29 Aug 78 and completed on 29 Aug 78.
- b. Air. Field completion was commenced on 10 Sep 78 and completed on 10 Sep 78.

3. Method

- a. Ground. Ground parties, comprising two persons in a vehicle, field completed cultural detail, and drainage and vegetation where accessible.
- b. Air. An air party, comprising two persons in Kiowa helicopter, field completed drainage vegetation and relief, checked areas requested by the ground parties and checked cultural detail where they overflew it.

4. Personnel

- a. Ground. Ground parties consisted of the following personnel:
  - (1) CPL G.R. Ragless (IC party)
  - (2) SPR G.J. Honan
  - (3) CPL D.R. Thirwell (IC party)
  - (4) SPR B.D. Johnson
  - (5) SGT B. Richardson (IC party)
  - (6) SPR D.J. Cook
- b. Air. The air party consisted of the following personnel:
  - (1) CPL R.W. Moss (IC party)
  - (2) CPL G.R. Ragless

5. Contacts

- a. Mr Brian V. Murray  
Manager  
Parakylia Station
- b. Mr John Fuller  
Manager  
Wirraminna Station
- c. Mr Tom Allison  
Owner/Manager  
Roxby Downs Station

6. Amendments. The following significant additions, deletions or changes were made to the map:

- a. Cultural. Numerous changes were made to all types of cultural detail in all areas of the sheet. Much supplementary photography was obtained to clarify cluttered areas of detail.
- b. Drainage. No changes were made.
- c. Vegetation. No changes were made.
- d. Relief. No changes were made.

7. Comments and recommendations

- a. It is recommended that dams which are large enough to be drawn to scale, be shown as follows:
  - (1) That a surrounding earth wall be shown using the levee symbol (B13).
  - (2) That the water areas be portrayed using the symbol appropriate to the classification determined in the field, ie. mainly dry, intermittent or perennial.
- b. It is recommended that all canegrass be shown as tropical grass symbol superimposed on a mainly dry lake and the area labelled canegrass; on this sheet. This type of feature has a distinctive shoreline.
- c. It is recommended that power transmission lines not be shown on this sheet as they are not of sufficient landmark value.
- d. It is recommended that underground cables not be shown as their inclusion would clutter other features.

FIELD COMPLETION REPORT

1. Map

- a. Number 6136 - 1
- b. Name BEDDOME
- c. Scale 1:50,000
- d. Edition 2 AAS

2. Duration

- a. Ground. Field completion was commenced on 24 Aug 78 and completed on 28 Aug 78.
- b. Air. Field completion was commenced on 10 Sep 78 and completed on 10 Sep 78.

3. Method

- a. Ground. Ground parties, comprising two persons in a vehicle, field completed cultural detail, and drainage and vegetation where accessible.
- b. Air. An air party, comprising two persons in Kiowa helicopter, field completed drainage vegetation and relief, checked areas requested by the ground parties and checked cultural detail where they overflew it.

4. Personnel

- a. Ground. Ground parties consisted of the following personnel:
  - (1) CPL T.J. Wicker (IC party)
  - (2) SPR J.J. Ccuanis
- b. Air. The air party consisted of the following personnel:
  - (1) CPL R.W. Moss (IC party)
  - (2) CPL G.R. Ragless

5. Contacts

- a. Mr Tom Allison  
Owner  
Roxby Downs Station
- b. Mr Brian V. Murray  
Manager  
Parakylia Station

6. Amendments. The following significant additions, deletions or changes were made to the map:

- a. Cultural. No major changes were made to the cultural sheet.
- b. Drainage. No major changes were made.
- c. Vegetation. No changes were made.
- d. Relief. No changes were made.

7. Comments and recommendations

- a. It is recommended that dams which are large enough to be drawn to scale be shown as follows:
  - (1) That a surrounding earth wall be shown using the levee symbol (B 13).
  - (2) That the water area be portrayed using the symbol appropriate to the classification determined in the field, ie mainly dry, intermittent or perennial.

FIELD COMPLETION REPORT

1. Map

- a. Number 6137 II
- b. Name PARAKYLIA
- c. Scale 1:50,000
- d. Edition 1 AAS

2. Duration

- a. Ground. Field completion was commenced on 28 Aug 78 and completed on 1 Sep 78.
- b. Air. Field completion was commenced on 9 Sep 78 and completed on 9 Sep 78.

3. Method

- a. Ground. Ground parties, comprising two persons in a vehicle, field completed cultural detail, and drainage and vegetation where accessible.
- b. Air. An air party, comprising two persons in Kiowa helicopter, field completed drainage vegetation and relief, checked areas requested by the ground parties and checked cultural detail where they overflew it.

4. Personnel

- a. Ground. Ground parties consisted of the following personnel:
  - (1) CPL D.R. Thirwell (IC party)
  - (2) SPR B.D. Johnson
  - (3) CPL T.J. Wicker (IC party)
  - (4) SPR J.J. Couanis.
- b. Air. The air party consisted of the following personnel:
  - (1) CPL G.R. Ragless (IC party)
  - (2) CPL K.R. Langley



FIELD COMPLETION REPORT

1. Map

- a. Number 6137-1
- b. Name CURDLAWIDNEY
- c. Scale 1:50,000
- d. Edition 1:AAS

2. Duration

- a. Ground. Field completion was commenced on 24 Aug 78 and was completed on 27 Aug 78.
- b. Air. Field completion was commenced on 9 Sep 78 and was completed on 9 Sep 78.

3. Method

- a. Ground. Ground parties, comprising two persons in a vehicle, field completed cultural detail, and drainage and vegetation where accessible.
- b. Air. An air party, comprising two persons in KIOWA helicopter, field completed drainage vegetation and relief, checked areas requested by the ground parties and checked cultural detail where they overflew it.

4. Personnel

- a. Ground. Ground parties consisted of the following personnel:
  - (1) CPL D.R. Thirwell (IC party)
  - (2) SPR B.D. Johnson
- b. Air. The air party consisted of the following personnel:
  - (1) CPL K.R. Langley (IC party)
  - (2) SPR G.J. Honan

.../5. Contacts



7. Comments and Recommendations (Cont'd)

- b. It is recommended that dams which are large enough to be drawn to scale be shown thus:
  - (1) That a surrounding earth wall be shown using the levee symbol (B13).
  - (2) That the water area be portrayed using the symbol appropriate to the classification determined in the field ie., mainly dry, intermittent or perennial.
- c. It is recommended that the fence around Playford Dam be shown on the map.

FIELD COMPLETION REPORT

1. Map
  - a. Number 6138-11
  - b. Name EMU CREEK
  - c. Scale 1:50,000
  - d. Edition 1 AAS
  
2. Duration
  - a. Ground. The sheet was commenced on Thu 24 Aug 78, and completed Mon 28 Aug 78.
  - b. Air. The field completion was carried out on 8 Sep 78.
  
3. Method
  - a. Ground. Ground parties, comprising two persons in a vehicle field completed cultural detail, and drainage and vegetation where accessible.
  - b. Air. An air party comprising two persons in a KIOWA helicopter field completed drainage, vegetation and relief, checked areas requested by the ground parties and checked cultural detail where they overflowed it.
  
4. Personnel
  - a. Ground. There was one ground party comprising:
    - (1) CPL G.R. Ragless (IC party)
    - (2) SPR G.J. Honan
  - b. Air. The air party comprised:
    - (1) CPL T.A. Hosie (IC party)
    - (2) CPL G.R. Ragless
  
5. Contacts: Mr Keith Greenfield  
Manager  
Billa Kalina Station

Much general information and numerous names were obtained and found to be reliable.

.../6. Amendments.

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E15-2

6. Amendments. The following significant additions, deletions or changes were made to the map:

a. Cultural

- (1) Some tracks and fences have been added (position approximate) to be positioned accurately from supplementary photography.
- (2) Some tracks were removed in the North East corner of the map and centre West of the map, as they were not usable as tracks.

b. Drainage. Some minor classification changes were made.

c. Vegetation. Some canegrass was found and plotted on the vegetation sheet.

d. Relief. Nil changes.

7. Comments and Recommendations

a. It is recommended that dams which are large enough to be drawn to scale be shown as follows:

- (1) That a surrounding earth wall be shown using the levee symbol (B 13).
- (2) That the water area be portrayed using the symbol appropriate to the classification determined in the field, ie mainly dry, intermittent or perennial.

b. It is recommended that canegrass be shown in the following manner:

- (1) At GR 2987, 3684, (3980 Central Swamp) and (2494, 2693, 2893 Open Swamp) the canegrass be shown as tropical grass symbol on STI symbol and labelled canegrass as the feature appears to be distinctive areas of grass in what would otherwise be swamp.
- (2) At 2486, 3983, (2291 Watchie Swamp) and (2182 Devils Playground), the canegrass be shown as tropical grass symbol superimposed on a mainly dry lake, and the area labelled canegrass. This type of feature has a distinctive shoreline.

c. It is recommended that bores determined to be unfit for consumption be labelled salt.

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FIELD COMPLETION REPORT

1. Map
  - a. Number 5939
  - b. Name ENGENINA
  - c. Scale 1:100,000
  - d. Edition 1 AAS
2. Duration. The field completion was commenced on 26 Aug 78 and completed on 28 Aug 78.
3. Method. All detail was checked by air in a Kiowa LOH.
4. Personnel. The field completion was done by one field party comprising two people.
  - a. CPL R.W. Moss (IC party)
  - b. SPR S. Hibbert
5. Contacts. Mr I.J. Rankin, Owner of Mabel Creek Station was contacted but could not supply any information of use to the map maker.
6. Amendments. The following significant additions, deletions or changes were made to the map.
  - a. Cultural. Three vehicle tracks were found and added to the map.
  - b. Drainage. In general, those features marked claypan, with the exception of those between the sandridges to the NE of the sheet, were found to be swamps.
  - c. Vegetation. No changes were made.
  - d. Relief. No changes were made.
7. Comments and Recommendations
  - a. It is recommended that dams which are large enough to be drawn to scale be shown as follows:
    - (1) That the surrounding earth wall be shown using the levee symbol (B 13).
    - (2) That the water area be portrayed using the symbol appropriate to the classification determined in the field.

FIELD COMPLETION REPORT

1. Map
  - a. Number 6039
  - b. Name COMPEERA
  - c. Scale 1:100,000
  - d. Edition 1 AAS
2. Duration. The field completion was commenced on 27 Aug 78 and completed on 30 Aug 78.
3. Method. All detail was checked by air using a Kiowa LOH.
4. Personnel. The field completion was done by one field party comprising two people:
  - a. CPL T.A. Hosie (IC party)
  - b. CPL K.R. Langley
5. Contacts. Mr Dick Nunn, Manager, Anna Creek Station, was able to supply some names and confirm some detail.
6. Amendments. The following significant additions, deletions or changes were made to the map:
  - a. Cultural. Two new vehicle tracks were added and one fence was deleted.
  - b. Drainage. The majority of features south of the sand ridges, which were previously either mainly dry lakes or claypans, have been reclassified as swamps because of the vegetation in them.
  - c. Vegetation. No changes were made.
  - d. Relief. No changes were made.
7. Comments and recommendations It is recommended that dams which are large enough to be drawn to scale be shown as follows:
  - a. That the surrounding earth wall be shown using the levee symbol (B 13).
  - b. That the water area be portrayed using the symbol appropriate to the classification determined in the field.

FIELD COMPLETION REPORT

1. Map
  - a. Number 6139
  - b. Name IRRAPATANA
  - c. Scale 1:100,000
  - d. Edition 1 AAS
2. Duration. The map was started on 2 Sep 78 and finished on 4 Sep 78.
3. Method. All field completion was done by air using a Kiowa IOH.
4. Personnel. The field completion was done by one party comprising two people:
  - a. CPL T.A. Hosie (IC party)
  - b. CPL K.R. Langley
5. Contacts. Mr Dick Nunn, Manager of Anna Creek Station, was able to supply some names and confirm some detail.
6. Amendments. The following significant additions, deletions or changes were made to the map:
  - a. Cultural. A new fence with a track along it was added between GR 1336 and GR 4547.
  - b. Drainage. Some minor classification changes have been made.
  - c. Vegetation. One area plotted as medium scrub was found to be clear.
  - d. Relief.
    - (1) It is believed an isolation has been missed at plot stage in the south-east corner of the map.
    - (2) An escarpment with significant landmark value was added to the northern bleed edge.
7. Comments and recommendations. It is recommended that dams which are large enough to be drawn to scale be shown as follows:
  - a. That the surrounding earth wall be shown using the levee symbol (B 13).
  - b. That the water area be portrayed using the classification determined in the field.

FIELD COMPLETION REPORT

1. Map

- a. Number 6138-1
- b. Name MUDLA
- c. Scale 1:50,000
- d. Edition 1 AAS

2. Duration. The map was field completed on 1 Sep 78.

3. Method. The map was field completed by air using a Kiowa LOH.

4. Personnel. The field completion was done by one party of two people:

- a. CPL R.W. Moss (IC party)
- b. SPR S. Hibbert

5. Contacts. Mr Keith Greenfield owner of Billa Kalina Station was able to supply numerous names and confirm some detail.

6. Amendments. The following significant additions, deletions or changes were made:

- a. Cultural. Tracks were added from GR 2628 to GR 3528 and GR 2832 to GR 3530.
- b. Drainage. No changes were made.
- c. Vegetation. No changes were made.
- d. Relief. No changes were made.

7. Comments and Recommendations

- a. It is recommended that bores which are determined to be unfit for human consumption be labelled salt.
- b. It is recommended that dams which are determined to be large enough to draw to scale be shown as follows:
  - (1) That the surrounding earth wall be shown as a levee (B 13).
  - (2) That the water area be shown using the classification determined in the field.

TARGETTING AND PHOTOGRAPHY

1. Introduction: The targetting of the stations which required positive photo identification was carried out on an opportunity basis. A total of 33 stations were targetted, and photographed of which 7 were on a section of film destroyed in processing at DSC (Woomera), and 10 were on sections of the film which were of poor quality due to camera malfunction. The acquired imagery was inspected and found to be no value.
  
2. Specifications: The following specifications were adopted for the targetting and photographic operations:
  - a. Targetting
    - (1) Panel sizes 6m x 1.8m
    - (2) Panel Colour White
    - (3) Panel to commence 2m from the GM
    - (4) Preferred shape a cross
    - (5) Orientation N-S & E-W
  
  - b. Photography
    - (1) Flying height of 10,000 ft AGL
    - (2) Three consecutive exposures with 60% overlap
  
3. Organization: The targetting operation was carried out by members of the air party by LOH Aircraft or vehicle. The photography was carried out from a Pilatus Porter using a Zeiss MRB9 camera and one camera operator was used throughout the operation. The camera operator received no formal practical training in aerial camera operation prior to departure and gained his experience whilst on the operation.
  
4. Personnel:
  - a. Targetting Teams
    - (1) CPL Hosie  
CPL Langley
    - (2) CPL Moss  
SPR Hibbert
  
  - b. Camera Operator  
CPL Langley

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F - 2

5. Operation: Stations inaccessible by vehicle were targetted from LOH aircraft. For each station targetted a reconnaissance report was compiled.

6. Although the preferred shape for panels was a cross the majority of stations were targetted with a "Y". The panelling plastic supplied was only 0.9m wide so double panels had to be laid to reach the required panel width of 1.8m. Even though panelling with a "Y" instead of a cross saved two lengths of panel per station, the supplies of panel plastic were totally exhausted during the operation.

7. The photography of the targetted stations was concurrent with the supplementary photography requirement of the field checkers. The targetting programme is detailed in Appendix 1 & 2 to this Annex.

8. Equipment: The Pilatus Porter aircraft was free of mechanical problems for the duration of the operation. The engine extension pipe was attached to the aircraft body as opposed to the more usual position on the wheel strut. This newly adopted position kept any oil smear completely away from the camera filter.

9. Faults encountered with the MRB 9 Zeiss Camera are detailed below:

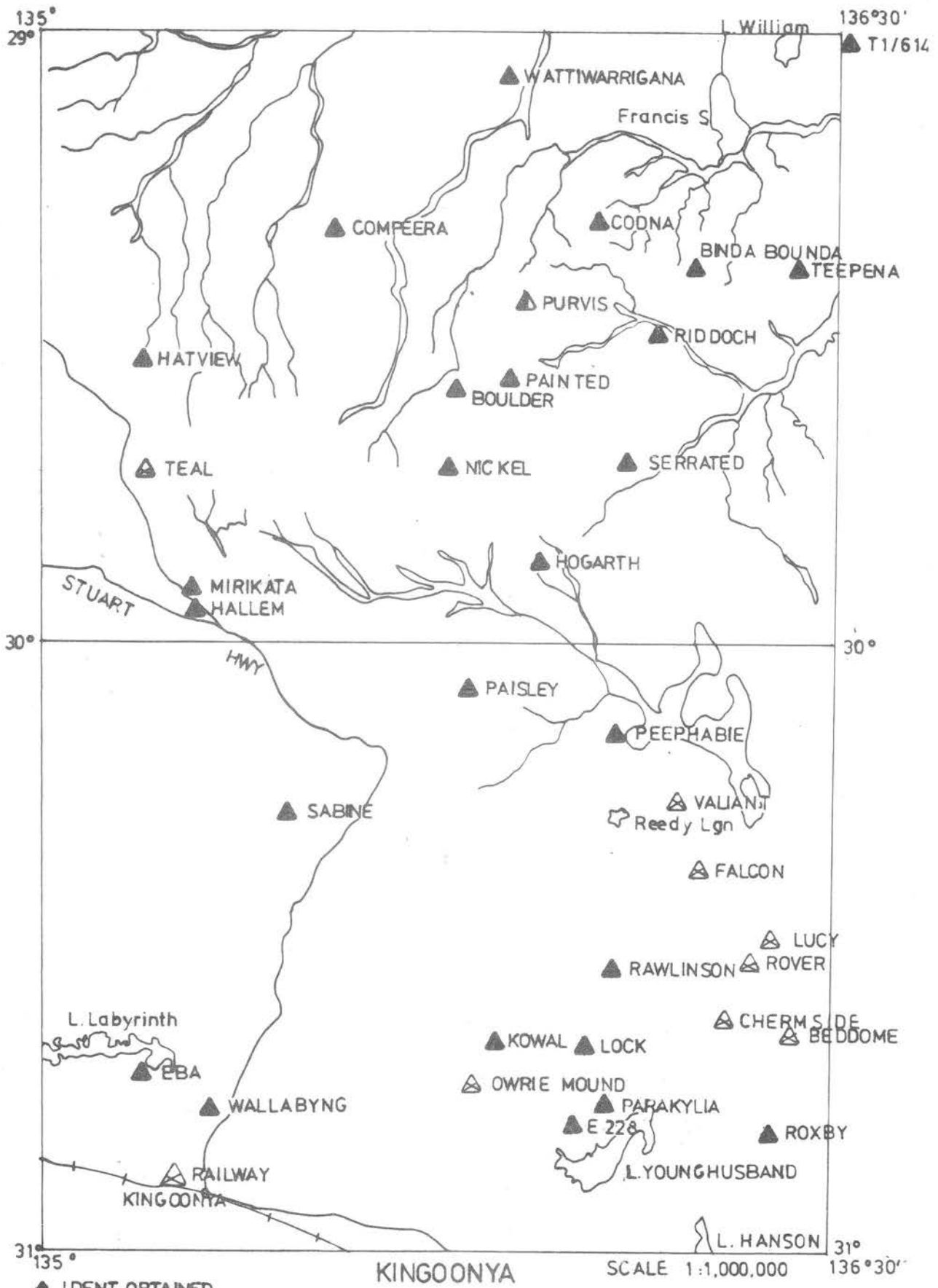
- a. Failure of empty cassette warning light. This caused the need to re-fly one section of the Stuart Highway between Mt Eba Homestead and Wallabyng Range when the film "ran out" during flight. The bulb was replaced but the fault was not rectified indicating a fault beyond the scope of the operators' camera equipment knowledge.
- b. Suspected Shutter Drag. All films were processed to the negative stage by DSC Woomera. The first film (Mission 84) was largely overexposed. It was thought that this was due to the added antivignetting which was designed to illuminate a "hot spot" on the 88.92mm lens. An aperture of F8 was used for this film and on subsequent films this was reduced to F5.6. The balance of the films taken of the operation were processed and returned to the unit in Adelaide after the completion of the operation. On inspection it was found that the overexposure and "hot spot" was an intermittent fault on all the films. Discussions with Technicians from DSC Salisbury and ex members, trained in aerial camera operation, revealed that the fault was most probably caused by shutter drag. This is being investigated by 1 Fd Svy Sqn.

10. General: As the camera only arrived in Woomera at the concluding stages of the operation, unfortunately there was a lack of time to resolve many of the problems encountered.

Film was processed by Woomera as a security requirement to vet the imagery. Assistance given by members of DSC Woomera was adequate.

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BILLA KALINA



- ▲ IDENT OBTAINED
- △ AREA IDENT ONLY
- ⊠ MISSION ABORTED

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APPENDIX 2 TO  
ANNEX F TO  
PROJECT REPORT  
OF SHORTWALK III

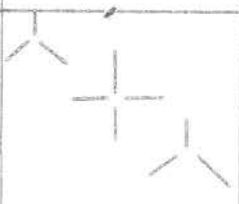

SUMMARY OF HORIZONTAL CONTROL PHOTOGRAPHY OBTAINED

Station	Photo Data		Viewed Target Configuration	Remarks	
	Film	Frames			
BEDDOME	85	516-519		Point Identified	Negatives Poor
BINDA BOUONA	84	315-318		Point Identified	Negatives Poor
BOULDER	84	355-357		Point Identified	Negatives Fair
CHERMESIDE				Mission Aborted	
CODNA	84	234-236		Point Identified	Negatives Poor
	84	243-248			
COMPEERA	84	174-177		Point Identified	Negatives Fair
	84	178-180			
E228	85	745-751		Point Identified	Negatives Good
EBA	86	939-942		Point Identified	Negatives Fair
FALCON				Mission Aborted	
HALLEM	86	909-911		Point Identified	Negatives Good
HATVIEW	84	186-188		Point Identified	Negatives Poor
	86	816-818			
HOGARTH	84	361-363		Point Identified	Negatives Fair
KOWAL	85	752-754		Point Identified	Negatives Fair
LOCKS	85	736-738		Point Identified	Negatives Poor
LUCY				Mission Aborted	
MIRIKATA	84	192-193		Point Identified	Negatives Poor
	86	822-825			
NICKIL	84	352-354		Point Identified	Negatives Fair
OWTIE MOUND	85	755-757		Point Identified	Negatives Poor
PAINTED HILL	84	358-360		Point Identified	Negatives Fair
PAISLEY	85	714-716		Point Identified	Negatives Fair
PARAKYLIA	85	742-744		Point Identified	Negatives Poor
PEEPHABIE	85	717-720		Point Identified	Negatives Fair
RAILWAY				Mission Aborted	
RAWLINSON	85	733-735		Point Identified	Negatives Fair
RIDDOCH	84	213-215		Point Identified	Negatives Fair
ROVER				Mission Aborted	
ROXBY	85	595-597		Point Identified	Negatives Good
SABINE	86	999-1001		Point Identified	Negatives Fair
SERRATED RANGE	84	332-334		Point Identified	Negatives Fair

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F2 - 2

Station	Photo Data		Viewed Target Configuration	Remarks	
	Film	Frames			
T1/6140	84	293-297		Point Identified	Negatives Fair
TEAL	84	189-191		Mission Aborted	
	86	819-821			
TEEPENA BLUFF	84	298-301		Point Identified	Negatives Poor
VALIANT				Mission Aborted	
WALLABYNG	86	935-938		Point Identified	Negatives Good
WATTIWARRI- GANNA	84	163-165		Point Identified	Negatives Good
	84	166-169			

General Note: At least one frame of each indent was marked with the Zeiss point transfer devise on inspection of the negatives.

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