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Detachment, 1 Topographical
Survey Troop

Item number: 5/1/43

Item: A Section 1 Topographical
Survey Troop

Operational Report no. 42

[photocopy]

[1-31 Oct 1969]

CONFIDENTIAL
AUSTRALIAN MILITARY FORCES
VIETNAM

A Sect 1 Topo Svy Tp
AFPO 4
G.P.O. SYDNEY.
N.S.W. 2890.

Nov 69

Distribution below:

OPERATIONAL REPORT NO 42
Covering period 1-31 Oct 69
PART I - G MATTERS

GENERAL

1. Location A Sect 1 Topo Svy Tp remained in 1 ATF Base
NUI DAT.

SURVEY SECTION.

2. a. Field Work

(1) The following field annotation for photomaps
and map revision was completed:

(a) 2 Oct - Sgt STRUNKS and Spr OFFER
continued annotation of LONG HAI.

(b) 8 Oct - Maj CONSTANTINE, Sgt STRUNKS,
Cpl KNIGHT and Spr GILBERT annotated
PHUOC TINH and PHUOC LAN.

(2) The levelling task for the Province Engineer
Adviser was completed. The task consisted of taking
a level from a third order NGS bench mark in the
Province HQ courtyard to the pumping station at
YS 382629, 2KM NORTH of BA RIA. A profile of the
SONG DINH as the pumping station was also produced.
See Annexures E and F attached.

(3) The centre line of LUSCOMBE strip was marked.

(4) The layout of an aerial for 547 Sig Tp was
completed.

b. Compilation.

(1) Map revision continued. Map revision data
was overprinted on maps supplied for 6 RAR
OP ROSS and 5 RAR OP KINGS CROSS.

(2) A mosaic of HOA LONG from USARV Project 52
photography was commenced.

(3) A reprint of the 1:100,000 1 ATF Special
overprint was prepared. It was found that the areas
of land clearance had to be further reclassified
to show "areas of significant regrowth". See
para 3.b.(3) below.

2.

(4) 1:5,000 air photography was received from HQ USARV M & I Division. The coverage was from DAT DO along route 44 to PHUOC HAI, DAT DO WEST to the BARIA complex and part of route 15 from CHU HAI to PHUOC HOA. The photography was good quality but a full coverage of DAT DO was not flown.

CARTOGRAPHIC AND REPRODUCTION SECTIONS.

3. a. Operational Tasks

(1) Prepared Stock The overprinting of stock with map revision data and enemy installations data continued.

(2) Battle Int Quarterly Update. L7014 series (1:50,000) maps were overprinted with map revision data, enemy installations and mine data for the routine quarterly update. The following maps were overprinted:

- (a) 6430-I
- (b) 6430-II
- (c) 6430-III
- (d) 6430-IV
- (e) 6429-I
- (f) 6429-IV
- (g) 6530-III

(3) 6 RAR CP ROSS Overprints showing map revision data, enemy installations, mine data and tactical information were drawn and overprinted onto L7014 series (1:50,000) maps 6430-II and 6429-I. 80 dye-line copies of the AO boundary were supplied as an annex to the Op Instr. See Annex G attached.

(4) 5 RAR OP KINGS CROSS Overprints showing map revision data, enemy installations, mine data and tactical information were drawn and overprinted onto L7014 series (1:50,000) maps 6430-III, 6430-IV and 6530-II. 80 dye-line copies of the AO boundary were supplied as an annex to the Op Instr. See Annex H attached.

(5) 5 RAR OP KINGSTON The AO for 5 RAR OP KINGSTON was extended at short notice. Maps overprinted with revision data were supplied from stock. Transparent dyelines of enemy installations and mine data were also supplied.

b. Manning Tasks.

(1) NUI DAT (1:10,000) Special Edition 4 of the NUI DAT (1:10,000) Special is being prepared for printing.

(2) TAOR Overprint Repromat is being prepared to overprint the revised TAOR detail, in two colours on L7014 series (1:50,000) maps 6430-I-II-III-IV, 6429-I and 6530-III.

(3) 1 ATF Special Overprint The L607 series (1:100,000) maps 6430 and 6530 printed last month (See Op Report No 41, para 3.b.(1)) were well received and stocks are now exhausted. The sheets are to be reprinted with minor changes to specifications and land clearance is to be shown in three categories ie: - land clearance, areas of significant regrowth and areas replanted.

(4) 1 ATF Area of Operations. The 1 ATF Area of Operation 1:500,000 map was printed for the Sect by 66th Engr Coy (Topo). See Annex D attached.

c. Miscellaneous Hand Lettering and Charts.

(1) A 1:50,000 map assembly was produced for GS02 (Ops) showing TAORs for surrounding formations.

(2) A film distribution chart was drawn for the Amenities Officer.

(3) A list of office bearers was drawn for HQ 1 ATF Officers' Mess.

d. Miscellaneous Drawing and Reproduction Tasks.

Nil

e. Printing. Full details of all printing during the period are shown at Annex A.

f. Photography. The following tasks were completed in addition to routine work in support of the Cartographic Section.

(1) Super enlargements were made of the following areas to support D/6 RAR and 3/52 ARVN operations

(a) Part of DAT DO - Ten bromide copies from stock photography.

(b) NUI NHON - Ten bromide copies from stock photography.

(c) Part of PHUOC LOI and HOI MY - Ten bromides from hand held photography especially flown for the operation.

(2) One copy of each print of the 1:25,000 photography within the battalion base patrol AOs was supplied to each appropriate battalion and ARU. The prints were enlarged to 1:12,500. A total of 104 prints were made at 18" x 18".

(3) The 1:25,000 photography to the area WEST of BINH BA was twice enlarged and three copies of each of three prints were supplied to Battle Int for patrols.

(4) A mine damaged tank of B Sqn 1 Armd Regt was photographed, nine copies of each of seven prints were supplied.

4.

(5) Three copies of the 1 ALSG mosaic were produced; two for HQ AFV and one for 2 AOD.

(6) Part of DAT DO was enlarged for 5 RAR OP ROSS - Three bromide prints were supplied.

(7) Ten bromide copies of an enlarged portion of LONG SON on the L8015 series (1:25,000) map were supplied to 1 Aust CA Unit to plot the water reticulation system.

(8) A project has been commenced to supply air photographs of all minefields within the Province for HQ AFV. During October 244 prints were produced. This figure was the coverage for 61 minefields, four copies of each. The task continues.

(9) A RAAOC plaque was enlarged for 2 AOD and one bromide print supplied.

(10) Aerial photographs of the DAT DO barrier minefield were supplied to 1 Fd Sqn. Four copies of each of 23 originals were supplied.

(11) Two copies of the LONG HAI, PHUOC TINH, LO VOI and PHUOC LAM mosaics were supplied to ARVN Training Cadre at LONG HAI.

(12) A film was processed and prints made of four VC suspects for HOA LONG MATS team.

A TOTAL OF 587 BROMIDE PRINTS FOR OCT 69.

g. Dyelines. 1060 dyelines were made during the month by A Sect personnel and other units.

MAP DISTRIBUTION SECTION

4. The following maps were issued during the period:

<u>MAP SERIES</u>	<u>SCALE</u>	<u>QUANTITY</u>
L8020	1:25,000	766
L8015	1:25,000	1858
L7014	1:50,000	3024
L607	1:100,000	255
JOG(A)	1:250,000	4
Miscellaneous	-	139
	Total for Month	6046
	Cumulative Total for 1969	88,848

TRAINING.

5. A range practice was held on Thu 23 Oct 69.

/PART 2.

PART 2 - A MATTERSNOMINAL ROLL

6. See Annex B.

POSTINGS

7. a. The following members arrived from AUSTRALIA by air:

54378	Cpl B E	PARKER	8 Oct 69
39748	Spr G S	DOWD	8 Oct 69
3411521	Spr G C	MURRAY	15 Oct 69
201787	Spr D	McALLAN	15 Oct 69
1200513	Cpl K J	GALLAGHER	22 Oct 69

- b. The following members departed for AUSTRALIA by air:

2789109	Cpl O A	BIZIAK	15 Oct 69
2200597	Spr R A	OFFER	15 Oct 69
37291	Spr P	AUKSTINAITIS	15 Oct 69
216448	Cpl C A	LAYBURN	22 Oct 69
3411371	Spr I D	HANNA	22 Oct 69

VISITS

8. a. Visits by Unit Members

(1) 13 - 15 Oct - Maj CONSTANTINE to NGS Conference at LONG BINH.

(2) 17 Oct - Maj CONSTANTINE and Sgt STRUNKS to VUNG TAU.

- b. Visits to Unit

(1) 10 Oct - Unit inspected by HQ 1 ATF DAAG, Maj G.D. BURGESS.

(2) 10 - 13 Oct - 1Lt FRTZ and SP4 SMITH from 66th Engr Coy (Topo) LONG BINH.

(3) 17 - 19 Oct - SSgt CARPENTER, SP4 STITCH and SP4 LANE from 66th Engr Coy (Topo) LONG BINH.

(4) 22 Oct - Maj MCCARTHY, G2 (Air) 11 FFV, visited the unit.

DUTIES.

9. a. Capt THOROGOOD was Duty Officer in the CP at HQ 1 ATF (Main) on two occasions during the month.

b. The Unit provided the HQ Coy Orderley Sergeant on four occasions during the month.

c. The Unit continued to provide the duty surveyor in the CP to plot nilocstats.

LEAVE.

10. a. R & R Leave. One member took leave in AUSTRALIA and another took leave in Hong Kong during the period.
- b. R & C Leave. Four members took leave during the period.

MEDICAL.

11. Spr PERCEY was hospitalised from 14 to 22 Oct with a severe case of contact dermatitis. Pte SCHULER (ex RA Svy - screen printer) from 9 RAR was loaned to the Sect and the loss of production in the print section was minimized.

EXTRA REGIMENTAL APPOINTMENTS.

12. a. The unit extra regimental appointments are shown as Annex C.
- b. Maj CONSTANTINE was appointed PMC of HQ 1 ATF Officers' Mess.

PART 3 - Q AND ACCN MATTERSDYELINE MACHINE.

13. The replacement dyeline machine arrived from AUSTRALIA on 4 Oct. It had been damaged in shipment and the glass cylinder was broken. Other repairs were completed by 106 Fd Wksp.

F24 CAMERAS.

14. The two F24 cameras and associated stores were received during the month. One camera malfunctioned and was sent to 106 Fd Wksp for repair.

DRAUGHTING HUT.

15. The exhaust fans have been installed in the draughting hut and all work is now complete.

SHOWER BLOCK/LAUNDRY.

16. The shower block and laundry is now complete and in operation.

REFRIGERATOR.

17. A 12 cu ft refrigerator has been received from Amenities.

CONTACT SCREEN.

18. The grey contact screen has been received.

SCREEN PRINTING MACHINE.

19. Several large dents in the base of the screen printing machine were repaired by 106 Fd Wksps.

E. P. Constantine
 (E.P. CONSTANTINE)
 Maj
 OC

ANNEXURES

- A. Screen Printing Summary.
- B. Nominal Roll.
- C. Extra Regimental Duties.
- D. 1 ATF Area of Operations 1:500,000
- E. Profile of SONG DINH.
- F. Locality Diagram of Pumping Station.
- G. 6 RAR OP ROSS.
- H. 5 RAR OP KINGS CROSS

DISTRIBUTION

HQ AFV	2
HQ 1 ATF	1
D Svy AHQ	4
B Sect 1 Topo Svy Tp	1
66th Engr Coy (Topo)	1
M & I HQ USARV	1
File	1

ANNEXURE

SUMMARY OF SCREEN PRINTING

1. Overprints for stock, operations and Battle Int
updates:

MAP	MAP REVISION		ENEMY INSTALLATIONS			TAC INFO
	ADDITIONS	DELETIONS	LT BLUE	DK BLUE	RED	
6430-I	-	-	101	101	-	
6430-II	-	200	166	101	111	45
6430-III	173	167	166	166	111	45
6430-IV	191	232	231	166	111	45
6429-I	80	312	166	166	111	45
6429-IV	-	116	106	106	56	
6530-III	232	232	101	101	46	
6330-II	-	-	-	-	-	45

Total for Month 4,650
Cumulative Total for 1969 36,640

NOMINAL ROLL

51463	Maj	E P CONSTANTINE	
340177	Capt	F E THOROGOOD	
41896	WO1	W A MUNRO	Svyr Topo
312501	Cpl	G WHITE	Helioworker
310207	SSgt	G HASWELL	TQMS
37566	Sgt	T G LINZ	Dtmn Topo
3411827	Cpl	R M KAY	Dtmn Topo
15486	Sgt	P J STRUNKS	Svyr Topo
3790537	Sgt	G D BIRRELL	Svyr Topo
54378	Cpl	B E PARKER	Clerk Admin
37846	Spr	I M WARK	Dtmn Litho
216481	Cpl	G E GRAHAM	Photo Carto
2789525	Spr	B L GRISDALE	Stmn Tech
1200575	Cpl	B A KNIGHT	Svyr Topo
1200512	Cpl	K J GALLAGHER	Svyr Topo
55376	Spr	L A PATTERSON	Dtmn Topo
3411521	Spr	G C MURRAY	Driver
61797	Spr	L A PERCEY	Helioworker
38908	Spr	R W GILBERT	Svyr Topo
39748	Spr	G S DOWD	Svyr Topo
4719718	Pte	R JOHNSTON	Cook AACC
201787	Spr	D S McALLAN	Dtmn Topo