

Series: AWM95
Australian Army commanders' diaries
[Vietnam]

Detachment, 1 Topographical
Survey Troop

Item number: 5/1/42

Item: A Section 1 Topographical
Survey Troop

Operational Report no. 41

[photocopy]

[1-30 Sep 1969]

VIETNAM

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

5 Oct 69

Distribution below.

OPERATIONAL REPORT NO 41

Covering period 1-30 Sep 69.

PART I - G MATTERS

GENERAL

1. a. Location A Sect 1 Topo Svy Tp remained in 1 ATF Base NUI DAT.
- b. Command 340177 Capt F.E. THOROGOOD administered command of A Sect 1 Topo Svy Tp during the absence of the OC 51643 Maj E.P. CONSTANTINE on R and R leave, for period 1-6 Sep 69.

SURVEY SECTION

2. a. Field Work

(1) The following field annotation for photo-maps and map revision was completed.

- (a) 9 Sep - Sgt STRUNKS, by air to HAT DICH, centre of mass YS 315805 to plot progress of land clearance project for operational map revision overprints.
- (b) 16 Sep - Sgt STRUNKS and Spr OFFER annotated AN NHUT and TAM PHUOC.
- (c) 17 Sep - Sgt STRUNKS, Cpl KNIGHT and Spr OFFER annotated PHUOC LOI and HOI CUU.
- (d) 18 Sep - Sgt STRUNKS and Cpl KNIGHT annotated BINH BA and DUC THANH.
- (e) 25 Sep - Sgt STRUNKS, Spr OFFER and Spr GILBERT commenced annotation of LONG HAI.
- (f) 26 Sep - Capt THOROGOOD, Sgt STRUNKS, Spr OFFER and Spr GILBERT continued annotation of LONG HAI.

(2) Spec 4 FEASE an aerial photographer from 53rd Sig Bn LONG BINH was attached to the unit from 11 - 30 Sep 69. During this period hand held camera photographic coverage of several villages was obtained. On 22 Sep a photographic mission was flown for the CE to select a river crossing for the land clearing operation in the area centre of mass YS 350882. A good quality stereoscopic coverage was achieved.

(3) A levelling task has been accepted for the Province Engineer Adviser. The task consists of taking a level from a third order NGS bench mark in the Province HQ courtyard to the pumping station at YS 382629, 2 KM NORTH of BARIA. In addition a profile is to be levelled across the SONG DINH at the pumping station. Maj CONSTANTINE and Sgt STRUNKS completed a reconnaissance on 26 Sep and work commenced on 29 Sep.

b. Compilation

(1) Map revision continued. Map revision data was overprinted on maps supplied for 5 RAR Op KINGSTON, 9 RAR Op JACK and Op SPARROW, a combined B Coy 6 RAR/3/43 ARVN Bn operation.

(2) Production of mosaics continued. Eleven copies of each of 28 mosaics were produced for stock.

(3) High quality air photography at 1:5,000 scale flown by USARV (USARV project 52) of HOA LONG was received on 22 Sep. This was the first delivery of photography arranged with USARV M&I Div. See Operational Report No 40, para 8. b.

(4). A new mosaic of HOA LONG has been commenced.

(4) Declassified photographs of VIETNAM were despatched to the School of Artillery through D Mil Svy - for training purposes.

(5) Material was despatched to the School of Military Survey for the 1969 Operational Mapping Course.

(6) A photo assembly was prepared of the swamp reclamation project in the area bounded by routes 15 and 44. The assembly was made from photographs flown by 73rd SAC VUNG TAU and was used by the Province Engineer Adviser for a planning conference at BA RIA.

(7) Map revision data for L8015 series (1:25,000) map 6430-I-SW was despatched to AHQ Svy Regt.

CARTOGRAPHIC AND REPRODUCTION SECTIONS

3. a. Operational Tasks

(1) Prepared Stock The overprinting of stock with map revision data continued and most of the stock was used for operational overprints.

(2) 5 RAR OP KINGSTON Overprints showing map revision data, enemy installations, mine data and tactical information were drawn and overprinted onto L7014 series (1:50,000) map 6430-II for Op KINGSTON. See Annex C attached. The following additional material was also supplied.

(a) DAT DO mosaic - three bromide prints.

(b) AN NHUT mosaic - three bromide prints.

/(c)

- (c) HOI CUU mosaic - three bromide prints.
- (d) HOI MY photomap -- three printed copies.
- (e) Parts of DAT D0 - two sections of DAT D0 mosaic were super enlarged and three bromide prints supplied.
- (f) A section of HOI MY mosaic was also super enlarged and three bromide prints supplied.
- (g) Eighty dyelines copies of A0 boundary for Annex A to 1 ATF Op Instr 72/69.

(3) 9 RAR OP JACK Overprints showing map revision data, enemy installations, mine data and tactical information were overprinted onto L7014 series (1:50,000) maps 6430-III-IV and 6330-II for Cp JACK. See Annex D attached. Eighty copies of the A0 boundary were supplied as Annex B to 1 ATF Op Instr 83/69.

b. Mapping Tasks

(1) 1 ATF Special Overprint L607 series (1:100,000) maps 6430 and 6530 were overprinted with the following information - see Annexures E and F attached.

- (a) Fire Support ^{BS} Bases.
- (b) Land Clearance.
- (c) Civilian Access Areas.
- (d) TAOR and Sector Boundaries.
- (e) Nomenclature Amendments.
- (f) Artillery Warning Control Centre Boundaries.

(2) Patrol AO Overprint The revised Base Patrol AOs were drawn and overprinted on L7014 series (1:50,000) maps 6430-II and III.

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

(4) 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.

(5) LANG CAT Photomap LANG CAT photomap was printed.

c. Miscellaneous Drawing and Reproduction Tasks - Nil

d. Miscellaneous Hand Lettering and Charts

(1) The Comds briefing map was hand amended to show gazette amendments.

(2) A net diagram was produced for HQ Coy.

/e.

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) 308 bromides were produced in providing stock of 11 copies of each of 28 mosaics.

(2) Super enlargements were produced of parts of DAT DO and HOI MY for 5 RAR.

(3) The 1:10,000 enlargement of the L8015 series (1:25,000) maps for Base Defence CP was amended as a result of the Base Patrol AO changes. Portions of the maps were enlarged and positioned on the map to correct detail.

(4) The photographs taken by Spec 4 FEASE were processed and enlarged - see para 2.a.(2) above.

(5) Two 35 mm films were processed and enlarged for Battle Int for PDAs.

(6) A typed switchboard sign was photographed, enlarged and bromide prints produced for HQ Coy.

(7) Eight copies of each of five bromides were made for Psyops showing after action scenes at BINH BA.

(8) Bromide prints were made from negatives produced by 73rd SAC for the map assembly described at para 2.b.(6) above.

(9) Bromide prints were supplied to the CE for the river crossing investigation described at para 2.a.(2) above.

(10) Five VC sketchmaps were photographed and six dyelines of each supplied to Battle Int.

(11) A four sheet mosaic of the 1 ALSG base defence plan which had been hand annotated was rephotographed and 15 copies supplied as bromide prints.

(12) Cpl GRAHAM advised the Amenities Officer and supervised the setting up of the photography dark rooms and equipment in the Pearson Community Centre.

g. Dyelines Nearly 2,000 dyelines were made during the month by A Sect personnel and other units. See para 11.

MAP DISTRIBUTION SECTION

4. The following maps were issued during the period.

/MAP SERIES

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<u>MAP SERIES</u>	<u>SCALE</u>	<u>QUANTITY</u>
L8020	1:25,000	581
L8015	1:25,000	2,394
L7014	1:50,000	3,821
L607	1:100,000	434
ICG(A)	1:250,000	8
Miscellaneous	-	106

Total for Month	7,344
Cumulative Total for 1969	82,802

PART 2 - A MATTERS

NOMINAL ROLL

5. See Annex B.

POSTINGS

6. Nil

VISITS

7. a. Visits by Unit Members

(1) 2 Sep - SSgt HASWELL to 2 AOD VUNG TAU on Q matters.

(2) 9 Sep - Maj CONSTANTINE to SAIGON for monthly NGS conference.

(3) 19 Sep - Maj CONSTANTINE, Sgt STRUNKS and Sgt LINZ to 1 ALSG on G and Q matters.

(4) 27 Sep - SSgt HASWELL and Spr WARK to 1 ALSG on Q matters.

b. Visits to Unit

(1) 5 Sep - Orientation visit by GSO 2 (Ops) Maj T.C.BANNISTER.

(2) 6-7 Sep - Cpt R.SWAN OC 569th Engr Coy (Topo) NA TRANG and CWO 4 N.CHRISTOFANI of the same unit, for technical liaison.

(3) 16 Sep - Comd 1 ATF Brig S.P.WEIR MC inspected the unit.

(4) 20-22 Sep - Cpt HARKINS and 1 Lt ERTZ from 66th Engr Coy (Topo) LONG BINH for technical liaison.

(5) 27 Sep - Dep Comd 1 ATF Col Mc KENZIE inspected the unit.

DUTIES

8. a. Capt THOROGOOD was Duty Officer in the Cp at HQ

/1 ATF

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1 ATF (Main) on four occasions during the month.

b. The unit provided the HQ Coy Orderly Sergeant on four occasions during the month.

c. The unit continued to provide a duty surveyor in the CP to plot night locstats.

LEAVE

9. a. R and R Leave One member took leave in HONG KONG and one in SINGAPORE, during the period.

b. R and C Leave Three members took R and C leave during the period.

AUDIT

10. An audit of the Canteen Fund was completed.

PART 3 - Q and ACCN MATTERS

DYELINE MACHINE

11. A fibre gear wheel on the dyeline stripped on 1 Sep and a new brass gear was cut by 102 Fd Wksp VUNG TAU. The machine was operative again on 4 Sep. On 19 Sep the new brass gear stripped and the complete machine was sent to 102 Fd Wksp for repair. The machine was finally returned on 23 Sep but it was declared BER. 102 Fd Wksp had made and fitted a further brass gear but found the bearings on the machine were all badly worn and advised it should not be operated at a speed higher than four. Seven is the normal exposing speed and accordingly one tube was removed to compensate the exposure for the reduced speed. A new machine has been indented for and delivery is expected in early Oct 69.

AIR CONDITIONER

12. The air conditioner in the printing room became US on 16 Sep and was not finally replaced until 25 Sep. During this period four different air conditioners were installed but would not operate. The printing effort was seriously disrupted and printing could only be done at night. Production in the camera section was also affected. A P26 has been submitted to have new air conditioners installed in both the printing and camera rooms.

DRYING CABINET

13. The stencil drying cabinet has been used for a month and has been found completely satisfactory. Drying times are comparable with the fastest times using direct sunlight in the dry season.

SHOWER BLOCK/LAUNDRY

14. A new shower block and laundry is nearly complete. A washing machine which has been held by the unit since 10 May will be installed in the laundry.

DARK ROOM TROUGH

/15.

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15. One of the 9' x 4' x 1' stainless steel troughs has been installed in the camera darkroom to replace the old trough which had deteriorated badly and was leaking.

CAMERA LIGHT CONTROL SWITCH

16. The light control switch on the Selclare Camera burnt out and has been jury rigged pending satisfaction of an indent for a replacement.

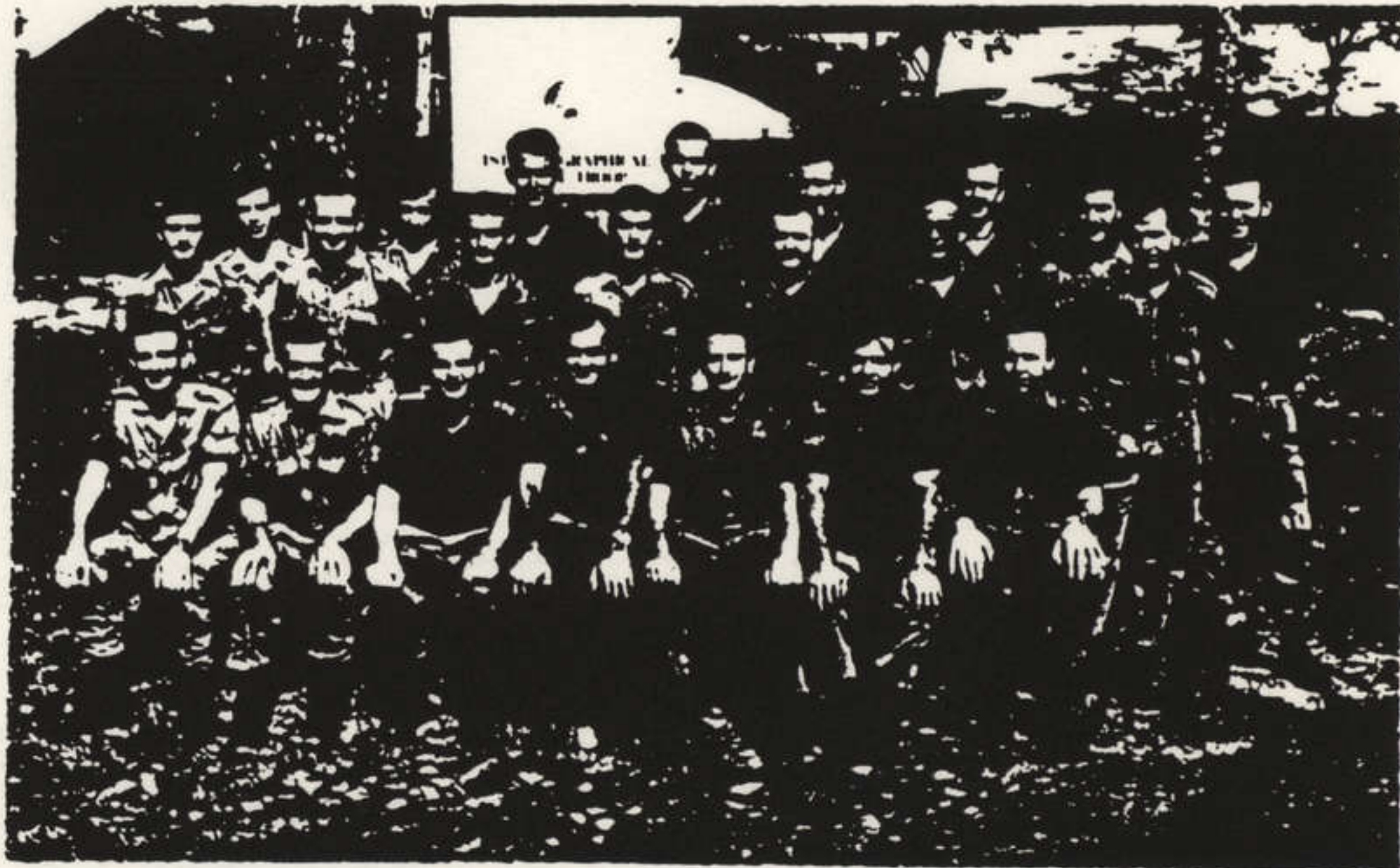
PORTABLE DRAUGHTING STORES

17. Six boxes have been produced locally for the storage and carriage of maps stocks when a surveyor is deployed to a FSPB. An additional case has been made for the draughting stores required.

PART 4 - GENERAL INTEREST

UNIT PHOTOGRAPH

18.



Front row left to right: Sgt LENZ, SSgt HASWELL, Capt THOROGOOD, Maj CONSTANTINE, WO1 MUNRO, Sgt STRUNKS, Sgt BIRRELL.

Centre row left to right: Spr AUKSTINAITIS, Spr HANNA, Spr WARK, Cpl KAY, Cpl GRAHAM, Cpl BIZIAK, Cpl KNIGHT.

Back row left to right: Spr PERCEY, Spr GRISDALE, Spr OFFER, Spr GILBERT, Cpl WHITE, Pte JOHNSTON, Cpl LAYBUTT, Spr PATTERSON.

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

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