

Series: AWM95
Australian Army commanders' diaries
[Vietnam]

Miscellaneous units

Item number: 17/1/8

Item: 1 Australian Civil Affairs Unit

Narrative

Annexes

[1-31 Dec 1967]

PART 3

COMMANDERS DIARIES
INSTRUCTIONS

AIM

1. The aim of a Commanders Diary is to provide data on which to base future improvements in Army training, equipment, organization and administration, and to furnish historians with a record of the activities of units and formations in operational and non-operational periods in peace and in war.

GENERAL

2. Entries are to be made daily on AF C 2118 (Adapted) each entry being initialled by the officer detailed to keep it.

3. Commanders Diaries will conform with the rules for drafting orders given in "Staff Duties (Australia)" Chapter 2, Section 12.

RESPONSIBILITY

During Non-operational Periods

4. A Commanders Diary is to be compiled by commanders of all formations.

During Operational Periods (1)

- 5. A Commanders Diary is to be compiled in duplicate by:
 - a. Commanders of all formations.
 - b. Each branch of the staff at formation headquarters commanded by a brigadier or above.
 - c. Heads of services not below the rank of lieutenant colonel.
 - d. Personal staffs and officers holding special appointments.
 - e. Unit commanders.
 - f. Commanders of a detachment of a unit when so ordered.

COMPILATION

- 6. Both original and duplicate copies are to consist of:
 - a. Cover (AF C 2119) (Adapted).
 - b. Index as printed on cover.
 - c. Narrative (AF C 2118) (Adapted).
 - d. Annexes as shown in the Index.
- 7. All details of the unit or formation (if a detachment is concerned, the name of the parent unit), period covered and enclosure numbers of the annexes are to be shown on the cover. If there has been a change of command since the last report, the date of assumption by the new commanding officer is to be included.
- 8. The annexes are to be assembled in the groups shown on the cover. If there are no enclosures for an annex NIL will be entered on the cover. If additional annexes are convenient for a particular headquarters, starting at B.

for operations form Annex "Z", "TOP SECRET the document. It is to be prepared and disposed of as

EVENTS

es as well as map references), establishment, equipment

l orders given.
e day's fighting, including company movements.
mmander with regard to equipment, tactics, organization

tential importance.
o officers, men and equipment.
ment captured.
employed in the time not accounted for. The type of

and to save work as much information as possible is to
uments issued and received, routine returns, etc. All
and the time of receipt or despatch is to be given.

he annexes, but need not give a precis of any of them.

(continued on back cover)

AWM 95
[17/11 Dec 67]

SECRET

AF C 2118 (Adapted)

SECRET

SECRET

DISPOSAL

13. **Original Commander's Diary.** This is to be forwarded monthly, unless otherwise ordered, by the seventh day of the succeeding month direct to AHQ.

14. **Duplicate Commander's Diary.** This must be clearly marked as a duplicate. It is to be sent separately from the original to AHQ one month after the original has been despatched but not before the former has been acknowledged.

15. When overseas, both copies of diaries are to be sent through the Army Records organization in the overseas theatre but at different times.

16. **TOP SECRET Supplementary Diaries.**

a. The documents referred to in Paragraph 9 together with a list of them made out on AF C 2118 (Adapted) must be placed in separate cover (AF C 2119) (Adapted). All details must be filled in and the cover clearly marked in red: "ANNEX Z — OFFICER ONLY". It may be convenient to group the papers by appendices.

b. Supplementary diaries must be forwarded under the normal rules for TOP SECRET correspondence, to AHQ. The inner envelope must be plainly marked:

TOP SECRET
ANNEX Z to

Commanders Diary of.....(Formation or Unit)

From.....to.....(Dates)

c. The duplicate supplementary diaries must be despatched as shown in Paragraph 14 as soon as receipt of the original has been acknowledged.

AWN 95
[17/11 Dec 67]

COMMANDERS DIARY NARRATIVE

MONTH AND YEAR December 1967

REFERENCE MAP

UNIT/FORMATION 1 Aust CA Unit
Lt Col
COMMANDING OFFICER J.F. McDONAGH

Place and grid reference	Date	Time	Event or information	Annex letter and enclosure number
PHUOC TUY	1 Dec		Report on quarries for Phuoc Tuy Province.	Annex O1
	6 Dec		CO visited RAAF Phan Rang - inspected dispensary project.	
	12 Dec		Operation SHEPPARTON	
			After action report Operation SHEPPARTON	Annex M1
	14 Dec		Operation DIMBOOLA	
			After action report Operation DIMBOOLA	Annex M2
	16 Dec		Operation MELBOURNE	
			After action report Operation MELBOURNE	Annex M3
			WO2 M. Henderson, civil affairs advisor, killed in ambush at Binh Ba	
	20 Dec		Notes on large scale refugee control in Phuoc Tuy Province	Annex O2
	23 Dec		Operation LAWLEY	
			Operation LAWLEY After action report	Annex M4
	30 Dec		Notes on Water supplies in Vietnamese villages	Annex O3
	31 Dec		Natural mineral deposits - Phuoc Tuy Province	Annex O4
	31 Dec		AFV Admin Instr 32/67 - Project Administration	Annex I1
4 Jan 68		Monthly Civic Action Report for Dec 67 - Phuoc Tuy Province and Vung Tau	Annex J1	

AUSTRALIAN MILITARY FORCES

First Australian Civil Affairs Unit
1 Australian Task Force
Nui Dat
SOUTH VIETNAM


R176A-1-7(1)

7 January 1968

CIVIL AFFAIRS : 1 AUST CA UNIT
MONTHLY REPORT : DECEMBER 1967
PHUOC TUY PROVINCE AND VUNG TAU SPECIAL ZONE

1. The monthly report for December 1967 is submitted covering the following aspects:

- a. Construction - Annex A.
- b. Medical - Annex B.
- c. Education - Annex C.
- d. Commodity distribution - Annex D.
- e. Miscellaneous - Annex E.


(J.F. McDONAGH)
Lieutenant Colonel
Commanding Officer

Distribution:

HQ AFV (4)
HQ 1 ATF (2)
HQ 1 ALSG (2)
Senior Provincial Advisor - Phuoc Tuy Province
Senior Advisor - Vung Tau Special Zone
Commanders Diary (4)
File
Spare (6)

ANNEX A TO
 1 AUST CA UNIT
 R176A/1/1 OF
 4 JAN 68

1 AUST CA UNIT

MONTHLY REPORT - CONSTRUCTION

MONTH..... December

LOCATION..... 1 ATF PHOUIC TUY PROVINCE

1. PROJECTS UNDER CONSTRUCTION

PROJECT No	LOCATION/DESCRIPTION	STAGE OF COMPLETION	LOCAL LABOUR EMPLOYED	PROBLEMS ENCOUNTERED
33	Hoa Long Extension Market	90%	2 Carpenters 3 bricklayers 1 labourer	nil
82 a	Hoa Long new well dug	90%	3 labourers	nil
b	Soui Nghe new well dug	90%	3 labourers	nil
92 a	Xuyen Moc repair to school	100%	2 labourers	nil
b	Xuyen Moc repair of dispensary	90%	2 labourers	nil
102	Ap Soui Nghe Dispensary	90%	Local contract	nil
74	Ba Ria Old Folks Home	50%	Local contract	nil
86	Hoa Long North School repairs and painting	100%	Local contract	nil
55	Dat Do Erect 8 black boards at elementary school	100%	Unit labour	nil

2. RECONNAISSANCE FOR FUTURE PROJECTS

PROJECT No	LOCATION	TYPE/DESCRIPTION	COMMENTS
113	BaRia Phouc Le school	Repair and maintainance to school.	Tenders have been called
83	Luc Thanh	Market.	Waiting on tenders.
115	Ka Long Son	Repair and maintainance to school.	Waiting on tenders quote.
97	BaRia	High School.	Waiting on tenders quote.
103	Soui Nghe	Market	Waiting on tenders quote.

.....OC ENGR DET

1 AUST CA UNIT

MONTHLY REPORT - CONSTRUCTION

MONTH.....December.....

LOCATION..1 ALSG Vung Tau Special Zone ..

1. PROJECTS UNDER CONSTRUCTION

PROJECT No	LOCATION/DESCRIPTION	STAGE OF COMPLETION	local labour employed	PROBLEMS ENCOUNTERED
V 67	Vung Tau J.M.A. Supply 3 ceiling fans for dispensary	---	Local purchase Saigon	Waiting until other than local make can be obtained.
V 90	Vung Tau RVNAF Sig School. Supply concrete materials for playground edging.	55%	Sig School labour	Nil
V 92	Vung Tau. Cay Khe Bridge. Supply materials for construction of a P.F. barracks and dependants quarters.	---	P.F.D. AND P.F.	Project held up due to labour not yet available from the P.F.D. or P.F.
V143	Chuaihat. Aust Dispensary. Repairs to hand basis and water reticulation.	---	17 Const Sqn	Will commence when labour is available.
V135	Vung Tau. Province Reinstate playground equipment installed at (7) schools throughout Vung Tau province.	---	102 Fd Wsps	As above
V152	Vung Tau. Lam Son Primrary School. Install a six (6) point latrine and a drinking well	43%	Local contract	Nil

2.

PROJECT No	LOCATION	TYPE/DESCRIPTION	COMMENTS
V 85	Nam Linh Hamlet School.	6 or 8 class room day nursery with kitchens, toilets and drinking well.	It is anticipated that this building will be built by a local contract.
V111	Thang Hai. Vung Tau.	P.F. barracks and dependants quarters. Supply materials only. This is a self help project.	All P.F. posts to be completed in turn, project V110 being the first.
V112	Bai Dau - Vung Tau.	As above.	As above.
V109	Water plant.	As above.	As above.
V113	Lam Binh Hamlet.	Market place	Plans have been received from Hamlet Chief with request for construction. No action at this stage.
V115	J.M.A. - Vung Tau	478 individual school desks. Can be bought by local purchase in Saigon.	Not yet actioned.
V138	An Phong Orphanage - Vung Tau.	Living quarters. 1 storey timber barracks block, same design as used by R.A.F. Plans supplied by PASE.	It is anticipated that work will be done by 17 Const Sqn during members own free time. AFV have requested land ownership be proven by deed before further action.
V139	An Phong Orphanage - Vung Tau	Access road to orphanage.	Labour as above. Not actioned.
V140	An Huong Orphanage - Vung Tau.	Provide water reticulation and storage.	As above.

ANNEX B TO
1 AUST CA UNIT
R176A-1-7 (1)

OF 4 JAN 68

1. AUST CA UNIT

MONTHLY REPORT - MEDICAL

MONTH DECEMBER LOCATION 1 ATF PHUOC TUY PROVINCE
UNIT CONDUCTING MEDCAP 1 Aust CA Unit and other Task Force Units
plus 1/83 US Arty.

OIC MAJOR FOX RAAMC No MED PERSONNEL INVOLVED
2 Doctors Aust - 1 Doctor US
(Aust
8 Medics (ARVN
(US

1. GENERAL EXAMINATIONS

Total 3117 Patients seen

Comments (note here main ailments encountered).

Chronic bronchitis - Dermatitis - Lacerations
Malaria - Dental caries - Diarrhoea.

2. MEDICAL EVACUATIONS

a. General

No 12

Comments (diagnosis and possible treatment)

Chronic bronchitis - Pneumonia in children -
Severe dermatitis - Toxaemia of pregnancy.

b. Surgical

No 15

Comments (type of surgery required)

Fractures (including compound fracture of the knee,
Colles, Forearm, Numerous) - Mastoiditis - ca
sacrum, - breast abscess - Hare lip and cleft palate
- Old polio deformity of leg.

3. FOLLOW-UP (Details of cases that require follow-up treatment
by a further MEDCAP)

All cases reviewed during routine weekly MEDCAPS.

4. ASSESSMENT

a. During this month Health Education Lectures to School
Teachers commenced. This was conducted by Phuoc Tuy Province
Dept of Health Officials in conjunction with MEDCAPS held for the
school children by 1 Aust CA Unit. The aim of these lectures
is the standard of hygiene in schools, and then through the
health education of the children educate the parents in the
hamlets and villages.

b. General health in all hamlets continues to improve.

1 AUST CA UNIT

MONTHLY REPORT -- MEDICAL

MONTH... .. December LOCATION 1 ALSG Vung Tau Special Zone..

1. MEDICAL

DATE	LOCATION	No MED PERSONNEL INVOLVED	TREATMENTS		HOSPITALISED	
			MEDICAL	DENTAL	GENERAL	SURGICAL
1 - 31 Dec	Vung Tau	1 MO 1 Sister	1,061 100x 1*	30	13	
		x - VD Treatments * - Births				

2. MEDEVACS

General..... Surgical.....

Reaction

3. Hygiene projects undertaken (with training aspects)

Discussed with the Mayor of Vung Tau the existing unsatisfactory method of collecting refuse. This service is currently performed by the Public Works Dept, but it is intended to open a Sanitation Dept to improve the situation.

ANNEX C TO
1 AUST CA UNIT
R176A-1-7 (1)

OF 4 JAN 68

1 AUST CA UNIT

MONTHLY REPORT - EDUCATION

MONTH DECEMBER LOCATION 1 ATF PHUOC TUY PROVINCE

1. COMMODITY DISTRIBUTION

a. Equipment

- (1) 1 crate sporting gear Source 1 Aust CA Unit
- (2) 1 transformer Source 1 Aust CA Unit
- (3) 50 friendship kits Source 2 CA Coy US

b. Instructional Material

- (1) 4 books Source American Cultural Centre

2. ENGLISH CLASSES

a. School Students

Classes 7 Students 420
Student hours: 1680 hours.

b. Adult

Classes 4 Attendance 60
Student hours: 480 hours.

ANNEX D TO
1 AUST CA UNIT
R176A-1-7 (1)

OF 4 JAN 68

1 AUST CA UNIT

MONTHLY REPORT - COMMODITY DISTRIBUTION

<u>MONTH</u>	<u>DECEMBER</u>	<u>LOCATION</u>	<u>1 ATF PHUOC TUY PROVINCE</u>
Male clothing		10 cases	
Female clothing		6 cases	
Childrens clothing		4 cases	
Rice		10,712 lbs	
Glass jars		5 cases	
Midwifery Kits		2 only	
Sewing machines		5 single	
Toys		1 case	
Plastic bags		10 cartons	
Midwifery replacement kits		6 only	
Baby bouncinette		5 single	
Shoes		18 boxes	
Peas		14 x 56 lb bags	
Starch		2 cartons	
Cooking oil		4 cartons	
Cornmeal		6 cartons	
Milk sterilised whole		15 cartons	
Sugar granulated		16 bags	
Dehydrated potato		21 cartons	
Cahe mix		44 cartons	
Egg noodles		21 cartons	
Assorted cereals		30 cartons	
Instant soft drink		6 cartons	
Egg whole		5 cartons	
Macaroni		1 carton	
Flour		3 bags	
Apple sauce		2 cartons	
Margarine		10 cartons	
Shortening compound		4 cartons	
Coffee ground roasted		6 cartons	
Cranberry sauce		1 carton	
Instant desert and jelly		14 cartons	
Prunes and raisins dehydrated		6 cartons	
Powdered sugar		8 cartons	
Salad dressing		1 carton	
Dehydrated cabbage		1 carton	
Beans		1 carton	
Grated cheese		1 carton	
Emergency ration pack		82 single	

Appendix 1 to ANNEX D to
1 Aust CA Unit R176A/1/7 (1)
of 4 Jan 68

1 AUST CA UNIT

MONTHLY REPORT - COMMODITY DISTRIBUTION

MONTH : December

LOCATION : 1 ALSG Vung Tau Special Zone

1. Vung Tau Welfare	3 Boxes Material - 1 Male Clothing 1 Female Clothing
2. Bethany School (Vung Tau)	1 Sewing Machine - 2 Bolts Material
3. Baby Food	380 Lbs
4. Mixed Foodstuff	850 Lbs
5. Soap	1 Case
6. Toys	20 Cases
7. Sewing Machines	1.
8. Material	5 Cases
9. Male Clothing	1 Case
10. Female Clothing	1 Case

1 AUST CA UNIT MONTHLY REPORT
MISCELLANEOUS

MONTH : December

LOCATION : Phuoc Tuy Province and Vung Tau
Special Zone.

1. The following activities were undertaken :

a. Phuoc Tuy Province

- (1) A 1,000 gallon bitumen distributor was received by the Public Works Chief from ACE - Pacific Company Australia. Arrangements were made for 1 Fd Sqn RAE, to check the vehicle and equipment as well as to train the Vietnamese operators.
- (2) Natural Resources Survey - A survey of the exploited and unexploited natural resources (rock, gravel, sand, laterite) is nearing completion. This survey was called for by CORDS, III Corps Tactical Zone, through CORDS Phuoc Tuy Province. 1 Aust CA Unit undertook this task at the request of CORDS Phuoc Tuy Province, because the latter organisation did not have the necessary technical capacity.
- (3) Provision of a Quarry - The establishment of a properly developed quarry in this Province is still being pursued through CORDS Phuoc Tuy Province.
- (4) Province Refugee Plan - During December rumours were rife that Phuoc Tuy Province may be called upon to receive large numbers (up to 100,000) of refugees from other Provinces. An outline plan for such an eventuality has been produced for all interested parties.
- (5) Distribution of Xmas Gifts
 - (a) 1 Aust CA Unit coordinated and assisted with commodity support the distribution of Xmas gifts by CORDS Phuoc Tuy Province to dependants of ARVN, RF and PF in the Province.
 - (b) In addition the distribution of Xmas parcels by units of the Task Force to orphans, schools and refugees at Ap Suoi Nghe was coordinated by this unit.
- (6) Corden and Search Operations - Liaison Officers accompanied both 2 RAR and 7 RAR during all search and corden operations during December.
- (7) Assistance at RF Post - Technical and practical assistance was given in the construction of a model Bunker/Married Quarter at the HOI MY RF Post.
- (8) Distribution of Commodities to RF/PF Posts - The program of distribution of clothing and food to dependants at RF/PF Posts continues.
- (9) Activities of Units of 1 ATF
 - (a) Assistance to families sponsored by Units at Ap Suoi Nghe continued and all families were presented with a small Xmas parcel by members of their sponsoring unit.
 - (b) Operational requirements, the work involved in preparing the site for additional units to the Task Force and the relocation of existing units, were restricting factors in the amount of Civil action undertaken in December.

/c.

(c) Some of the activities undertaken were :

(1) 2 RAR

(a) Erected a fence around Phuoc Tho School.

(b) Repaired latrines at Phuoc Tho School.

(2) 1 Fd Sqn RAE

(a) Assisted Catholic Orphanage Baria with outings for the orphans and completed the construction of a dining room for the orphans.

b.

Vung Tau

(1) Liaison between LO 1 ALSG and GVN departments in Vung Tau continues.

(2) Health and hygiene instruction in schools will be implemented in the near future.

(3) Distribution of a large quantity of toys and Xmas presents to children at Junior Military Academy was affected.

RESTRICTEDAUSTRALIAN MILITARY FORCESVIETNAM

First Australian Civil Affairs Unit
Aust FPO 4
NUI DAT

22 December 1967

COMBAT OPERATIONS AFTER ACTION REPORTCIVIL AFFAIRSName Of Operation

1. Operation SHEPPARTON.

Date Of Operation

2. 12th December 1967.

Location

3. PHU MY YS 2574 and YS 2573.

Control Headquarters

4. HQ 7 RAR.

Reporting Officer.

5. Capt I.G. MENZIES, LO, 1 Aust CA Unit.

Task Organisation

6. Team 1 Aust CA Unit (LO, Interpreter, Driver/Sig).

Supporting Forces

7. Nil.

Intelligence

8. Annex A to 7 RAR Op O 18/67 of 11 Dec 67.

Mission

9. Advise HQ 7 RAR on civil affairs matters before and during cordon and search of PHU MY.

Concept Of Operations

10. a. LO, 1 Aust CA Unit, to advise HQ 7 RAR in the planning stages of the operation.
- b. Team 1 Aust CA Unit to be available at HQ 7 RAR during period of operation. Under operational command HQ 7 RAR, to be responsible for conduct of dispersal area and advise on civil affairs matters (see para 39, 7 RAR Op O 18/67).

-/2. Execution.

Execution

11. 1 Dec 67

In connection with a road run by A Sqn 3 Cav Regt and MEDCAP by 1 Aust CA Unit at PHU MY, LO was able to gather information on the village. Possible screening sites, population figures, location of village office and school all passed to IO, 7 RAR.

12. 11 Dec 67

0900 hours LO attended O Group at HQ 7 RAR.

13. 12 Dec 67

- a. 0615 hours departed NUI DAT.
- b. 0645 hours joined Det 1 Div Int Unit and armoured escort at Baria. Moved in convoy to PHU MY.
- c. 0730 to 0800 hours. Village Chief briefed by District Chief and District Advisor (U.S.). Arrangements made through VIS sound wagon for school to be opened so that it could be used for screening purposes.
- d. 0800 - 0930 hours assisted at Southern Checkpoint.
- e. 1100 - 1200 hours discussions with G2 (Ops) 7 RAR re employment of Civil Affairs on Cordon and Search Operations (see para 20).
- f. Arranged through sector and HQ 7 RAR for fly in of Armed Propaganda Team. This did not eventuate as APT were not available (see para 21).
- g. 1530 hours cordon and search completed. moved back to NUI DAT.

Results

14. The LO provided information in the planning stages of operation, however it was felt that the team was not correctly employed during the period of the search (see para 19).

Administrative Matters

15. Nothing to report.

Special Equipment/Techniques

16. No vehicle - mounted public address system was available.

Commander Analysis

17. Apart from some early confusion over traffic control on Route 15, the search ran very smoothly.

18. The Vietnamese Information Service provided sound broadcasts for approximately 1½ hours. After that time the vehicle and equipment remained idle in the area, the operators could not be found.

RESTRICTED

3.

19. Some confusion arose over the employment of the CA Team. HQ 7 RAR was not aware of the division of responsibilities between Civil Affairs and Psyops. A Psyops representative was not available on site during the entire period of the search and all Psyops matters were handled by the CA Team.

20. Discussions with G2 (Ops) HQ 7 RAR clarified the situation and recommendations were made as to the correct employment of the team and the limit of its responsibilities. A recommended layout for the dispersal area is attached as Annex A.

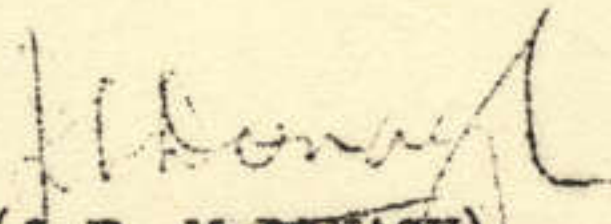
21. The Armed Propaganda Team, which had an excellent opportunity to conduct a saturation propaganda programme at the disposal area, did not arrive. Despite transport difficulties, it is felt that closer liaison could have been effected between Psyops (U.S. and Aust) and Sector HQ BARIA.

22. A vehicle mounted public address system, which is normally invaluable on a cordon and search operation, was not available.

Recommendations

23. That the responsibilities of the CA team on a cordon and search operation be clarified, and be laid out in a 1 ATF GS Instruction.

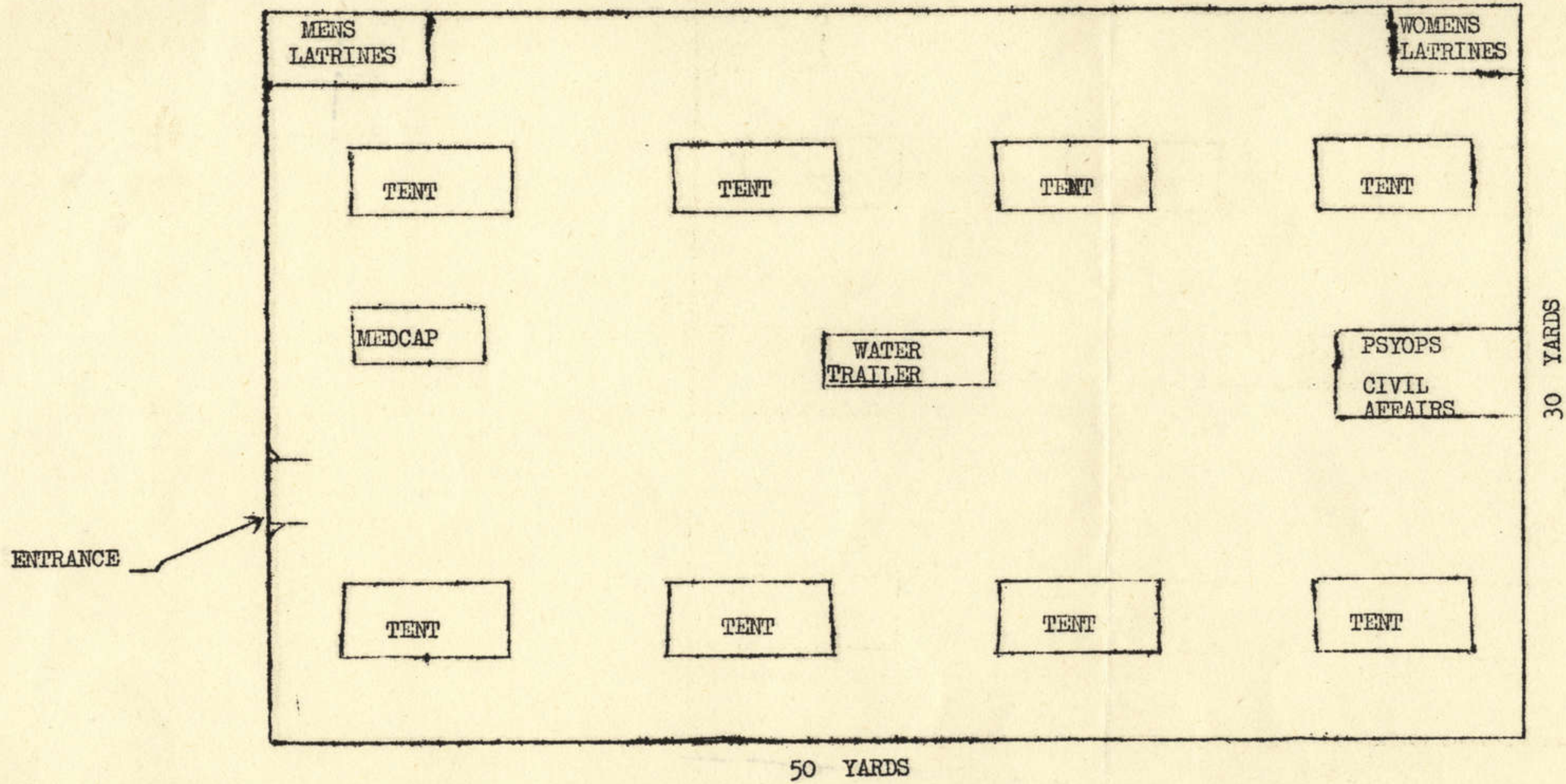
24. That a Psyops representative be present at all cordon and search operations, the Psyops representative to control the employment of the VIS, the Armed Propaganda Team and distribution of all propaganda material.


(J.F. McDONAGH)
Lieutenant Colonel
Commanding Officer

ANNEX A TO
1 AUST CA UNIT
AFTER ACTION REPORT OF

SUGGESTED LAYOUT FOR DISPERSAL AREA FOR 800 PERSONS

DEC 67



RESTRICTEDAUSTRALIAN MILITARY FORCESVIETNAM

First Australian Civil Affairs Unit
Aust FPO 4
NUI DAT

22 December 1967

COMBAT OPERATIONS AFTER ACTION REPORTCIVIL AFFAIRSName of Operation

1. Operation DIMBOOLA

Date of Operation

2. 14th December 1967.

Location

3. ONG TRINH YS 2568 and PHUOC LOC YS 2666.

Control Headquarters

4. HQ 7 RAR.

Reporting Officer

5. Capt I.G. Menzies, LO, 1 Aust CA Unit.

Task Organisation

6. Team 1 Aust CA Unit (LO, Interpreter, Driver/Sig).

Supporting Forces

7. Nil.

Intelligence

8. Annex A to 7 RAR Op O 19/67 of 13 Dec 67.

Mission

9. Advise HQ 7 RAR on Civil Affairs matters before and during the cordon and search of ONG TRINH and PHUOC LOC.

Concept of Operations

10. a. LO, 1 Aust CA Unit. to advise HQ 7 RAR during the planning stages of the operation.
- b. Team 1 Aust CA Unit to be under operational control of HQ 7 RAR during the cordon and search and be responsible for the conduct of the dispersal area as well as advising on Civil Affairs matters.

-/2. Execution

RESTRICTED

2.

Execution

11. 12 Dec 67

Information recorded during previous reconnaissances was passed to HQ 7 RAR. The information included population figures and the location of screening sites and dispersal areas.

12. 13 Dec 67

1030 hours, LO attended orders group at HQ 7 RAR.

13. 14 Dec 67

- a. 0645 hours departed NUI DAT.
- b. 0700 hours RV with District Advisor and moved to location of cordon and search by road.
- c. 0800 collected Hamlet Chief for ONG TRINH and Village Priest at PHUOC LOC and arranged for briefing by District Chief.
- d. 0830 to 0900 hours, interviewed Hamlet Chiefs of ONG TRINH and PHUOC LOC re administration and economy of their hamlets.
- e. 0900 to 1130 hours. Responsible for conduct of dispersal area and distribution of propaganda material. VIS tasks were allocated.
- f. 1110 hours the Armed Propaganda Team arrived and were tasked.
- g. 1130 hours, closed down dispersal area.
- h. 1200 hours moved to LE LOI Hospital, VUNG TAU with one male patient for MEDEVAC.

Results

14. The team was able to carry out all tasks allocated by HQ 7 RAR.

Administrative Matters

15. Nothing to report.

Special Equipment/Techniques

16. A vehicle - mounted public address system was available and was used to supplement the hand - held VIS megaphone.

Commander Analysis

17. The team effectively operated the dispersal area with the assistance of personnel from Adm Coy 7 RAR. A limited amount of food was distributed to the children.

18. The team was also responsible for the conduct of Psyops at the dispersal area and was assisted by a three man VIS team and personnel from the Int Sect 7 RAR.

19. The Armed Propaganda Team, timed to arrive at 0900, did not arrive until 1110 hours. Its work was largely ineffective as few people remained in the dispersal area, however they did broadcast to assembled groups of villagers at PHUOC LOC.

-/3. Recommendations


RESTRICTED

3.

Recommendations

20. If possible, some food should be available for the people in the dispersal area. To a small degree this act of charity may offset the inconvenience caused by the cordon and search.

21. A Psyops representative should be available on site for supervision and control of all propaganda media. It is to be hoped that the Armed Propaganda Team may eventually arrive on time.


(J.F. McDONAGH)
Lieutenant Colonel
Commanding Officer

RESTRICTEDAUSTRALIAN MILITARY FORCESVIETNAM

First Australian Civil Affairs Unit
Aust FPO 4
NUI DAT

21 December 1967.

COMBAT OPERATIONS AFTER ACTION REPORTCIVIL AFFAIRSName of Operation

1. Operation MELBOURNE.

Date of Operation

2. 16th December 1967.

Location

3. PHUOC HOA village at YS 2862.

Control Headquarters

4. HQ 7 RAR.

Reporting Officer

5. Capt I.G. Menzies, LO, 1 Aust CA Unit.

Task Organisation

6. Team 1 Aust CA Unit (LO, Interpreter, Driver/Sig).

Supporting Forces

7. Nil

Intelligence

8. Annex A to Op O 20/67 of 7 RAR dated 14 Dec 67.

Mission

9. a. Advise HQ 7 RAR on Civil Affairs matters before and during the cordon and search of PHUOC HOA.
b. Be responsible for the dispersal waiting area adjacent to the screening site.

Concept of Operations

10. a. LO, 1 Aust CA Unit, to advise HQ 7 RAR in the planning stages of the operation.
b. Team 1 Aust CA Unit to be under operational control of HQ 7 RAR from 160700 H hours until released.

-/2. Execution

Execution

11. 15 Dec 67

1030 hours attended O Group and passed information re screening sites and population figures.

12. 16 Dec 67

- a. 0645 hours departed NUI DAT.
- b. 0715 hours RV with armoured convoy at BARIA and moved to PHUOC HOA.
- c. 0745 hours reported to operational HQ 7 RAR. At the suggestion of the District Chief the location of the dispersal waiting area was moved to an old pagoda adjacent to the PHUOC HOA school.
- d. 0800 to 0830 hours supervised layout of dispersal waiting area.
- e. 0830 hours one female patient in labour evacuated to BARIA hospital.
- f. 0845 hours. Village and Hamlet officials assembled and briefed by District Chief. Officials issued with passes provided by 7 RAR.
- g. 0910 hours. Armed Propaganda Team arrived and were briefed on their tasks in the dispersal waiting area.
- h. 1000 to 1100 hours had discussion with District Chief and Village Officials re administration of PHUOC HOA village.
- i. 1100 hours accompanied by Village Chief gained permission for search of a Buddhist Pagoda.
- j. 1130 to 1200 hours. Limited distribution of food to people in the dispersal waiting area.
- k. 1230 hours received permission to return to NUI DAT as search had been concluded.

Results

13. It was felt that, on this occasion, the team was more effectively employed than on previous cordon and searches. Clearcut responsibilities laid down by HQ 7 RAR was a major factor in achieving this effectiveness,

14. The limited food distribution carried out was not a success. Despite the assistance of eighteen members of the Armed Propaganda Team and four members of 7 RAR Int Sect, control of the crowd proved near impossible. The distribution was discontinued after one type of commodity had been distributed.

Administrative Matters

15. Nothing to Report.

Special Equipment/Techniques

16. A Vehicle - mounted public address system was available for use.

-/3. Commander Analysis

RESTRICTED

3.


Commander Analysis

17. The presence of the Armed Propaganda Team was particularly appreciated. Talks, distribution of propaganda materials and general entertainment of the waiting people proved particularly effective. They were completely co-operative and assisted the Team 1 Aust CA Unit in many other ways

18. The District Chiefs organisation of the Village and Hamlet Officials was particularly well done. His co-operation in the gathering of information on PHUOC HCA village and his assistance in the interviews of the village officials was really appreciated.

Recommendations

19. That food distribution take place only if it is felt that it is essential to the welfare of the people.


(J.F. McDONAGH)
Lieutenant Colonel
Commanding Officer

RESTRICTED
AUSTRALIAN MILITARY FORCES

ANNEX M4

1 Aust CA Unit
Aust F.P.O. 4
NUI DAT
31 Jan 68

COMBAT OPERATIONS AFTER ACTION REPORT

CIVIL AFFAIRS

Name of Operation

1. Operation LAWLEY.

Date of Operation

2. 23 Dec 67.

Location

3. NGIA GIAO village (LA VAN YS465773, VINH THANH YS 468779 and NGIA GIAO YS 464793).

Control Headquarters

4. HQ 1 ATF.

Reporting Officer

5. Capt I.G. Menzies, LO, 1 Aust CA Unit.

Task Organisation

6. a. No 1 Team 1 Aust CA Unit (L.O., Driver/Sig, Interpreter) attached HQ 1 ATF/7RAR.
b. No 2 Team 1 Aust CA Unit (L.O., Driver/Sig, Interpreter Ag Adv) attached HQ 2 RAR.
c. Engineer Team 1 Aust CA Unit (Sgt Cpl) attached HQ 2RAR.

Supporting Forces

7. Nil.

Intelligence

8. Annex A to 1 ATF op 0 38/67 dated 190800H Dec 67.

Mission

9. a. Advise HQ 1 ATF on Civil Action matters before and during search of NGIA GIAO village.
b. Effect repairs to houses in NGIA GIAO hamlet damaged by VC activity.
c. Conduct a survey of agricultural activities in NGIA GIAO hamlet.

RESTRICTED

- d. Co-ordinate 2RAR and 7RAR MEDCAPS/DENTCAPS.

Concept of Operations

10. a. LO of No 1 Team 1 Aust CA Unit to advise HQ 1 ATF and HQ 7 RAR in the planning stages of the operation and co-ordinate MEDCAPS/DENTCAPS.
- b. LO of No 2 Team 1 Aust CA Unit to advise HQ 2 RAR in in the planning stages of the operation and be responsible for the control of the Engineer team 1 Aust CA Unit and and the Agricultural Advisor.
- c. Both teams under operational control of HQ 1 ATF from 230700H until released.

Execution

11. No1 Team 1 Aust CA Unit (OIC Capt I.G. Menzies).
- a. 20 Dec 67
1400 hrs attended 1 ATF briefing.
- b. 22 Dec 67
1030 hrs attended HQ 7RAR briefing.
- c. 23 Dec 67
- (1) 0700 hrs departed NUI DAT.
 - (2) 0720 hrs reported to 1 ATF op HQ and joined up control net.
 - (3) 0740 hrs discussions with US Dist Advisor (Major P. Heald) and Dist Chief (Capt An). Village/Hamlet officials gathered and split into two teams to work at screening centres of 2 RAR and 7 RAR respectfully. Officials issued with small quantity foodstuffs for distribution at centres; supplied by 7 RAR.
 - (4) 0745 hrs Engineer team tasked.
 - (5) 0755 hrs District Chief and Village/Hamlet officials briefed, introduced to CO's 2 RAR and 7 RAR, and dispatched to screening centres.
 - (6) 0850 hrs VIS and APT arrived and were tasked.
 - (7) 0930 hrs accompanied Comd on tour of screening centres and area of operation.
 - (8) 1030 hrs escorted two press reps over screening centres and work being done by Engineer team.
 - (9) 1200 hrs allocated several minor tasks by 1 ATF of HQ
 - (10) 1330 hrs cordon and search completed - received permission to return to NUI DAT.
12. No2 Team 1 Aust CA Unit (OIC Lt G.R.M. Kidd)

RESTRICTEDa. 21 Dec 67

1500 hrs attended briefing HQ 2 RAR.

b. 23 Dec 67

(1) 0700 hrs departed NUI DAT.

(2) 0720 hrs reported to District US Advisor (Maj P.Heald) and escorted to RV at District Administration Office.

(3) 0725 hrs shown burnt out houses at NGIA GIAO hamlet that were to be repaired by Engineer team.

(4) 0745 hrs escorted Engineer team to work site at NGIA GIAO hamlet.

(5) 0800 hrs delivered team of village/hamlet officials to 2 RAR screening centre, briefed and tasked them.

(6) 0815 hrs inspected MEDCAP and DENTCAP procedures at 2 RAR screening centre.

(7) 0830 hrs a hand at op HQ 2 RAR.

(8) 1145 hrs dispatched two vehicles to SUOI NGHE for pick-up of extra timber, time did not allow this task to be completed.

(9) 1215 hrs Agricultural Advisor interviewed local people re crops planting times, etc.

(10) 1250 hrs reported out to CO 2 RAR and US District Advisor.

(11) 1330 hrs returned to NUI DAT with No 1 team and Engineer team.

RESULTS

13. The extent of the damage to the two houses at NGIA GIAO was not known accurately until actually sighted. The damage was such that only part-repairs could be effected to one house. The District Chief agreed to finalise repairs.

ADMINISTRATION MATTERS

14. Nothing to report.

SPECIAL EQUIPMENT / TECHNIQUES

15. Nil

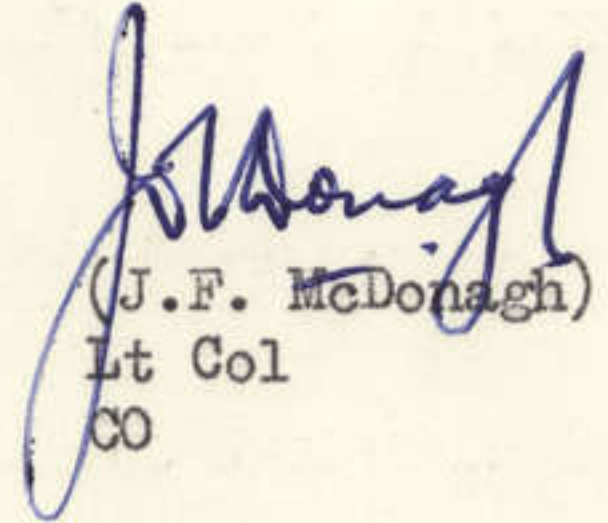
COMMANDER ANALYSIS

16. MEDCAP and DENTCAP operated by 2 RAR was particularly effective. Static sites were set up adjacent to the dispersal waiting area and while the M.O. attended to bed-ridden cases in their houses, medics were continuously employed at the Medcap/Dentcap sites. 7 RAR did not establish a Medcap site, due to the large area that unit was searching the M.O. was forced to move continuously. A Dentcap was set up in the 7 RAR dispersal waiting area however as no tents had been brought and there was no shade it was ineffective.

17. The Village/hamlet officials worked well in their own particular role and were on call at all times.

RESTRICTEDRECOMMENDATIONS

18. A static Medcap/Dentcap site must be set up in the dispersal waiting area. It is suggested that two tents with tables, etc be set up and staffed by medics. The M.O. moves until such time as the search is completed and then returns to the MEDCAP site for treatment of more serious cases.

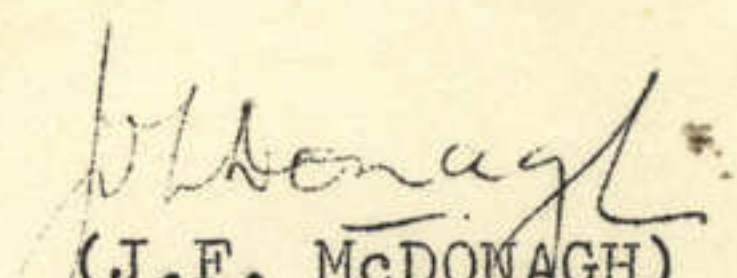

(J.F. McDonagh)
Lt Col
CO

First Australian Civil Affairs Unit
NUI DAT

20 Dec 67

NOTES ON LARGE SCALE REFUGEE CONTROL
IN
PHUOC TUY PROVINCE

1. It has been intimated that a large number of families from I Corps and II Corps are to be resettled in Phuoc Tuy and Binh Tuy Provinces with Phuoc Tuy Province receiving the major share.
2. There is no definite commitment at this stage. However I have recorded my outline ideas on the possible nature and scope of the problem with some indication as to the solution.
3. The basic considerations are that the resettled population should be :
 - a. Settled in a secure area.
 - b. Granted land from which they can make a living.
 - c. Given immediate ownership of the land (Some conditions may be met)
4. The Refugee Control directive in the Province Pacification Plan will be inadequate to control the resettlement problem envisaged.
5. The outline sequence of events is shown diagrammatically in Annex A.
6. The assumed problem and its outline solution is given in Annex B.
7. These notes will assist initial planning in the event of a large scale resettlement of refugees in Phuoc Tuy Province.


(J.F. McDONAGH)
Lt Col
CO.

OUTLINE SEQUENCE OF EVENTS 1968

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
Nominate Project Manager	Census in old area						
Build up Province Refugee Service	Final Plan						
Build up CORDS Refugee Staff	Check land ownership						
Prepare first key plan	Designate Engineer construction teams	Const Temp Accn					
			Const of villages/svy crop areas				
			Designate transportation org	Reception into temporary accn			
					Movement to permanent accn		
		Logistic preparations					

A FIRST KEY PLAN

The Assumed Problem

1. 150,000 refugees to be re-located.
2. The movement will take place over a period of 1 year (ie 3,200 people per week or 640 families per week)
3. Basic process will be :
 - a. Census in old area plus health checks etc.
 - b. Movement to temporary accommodation in Phuoc Tuy Province.
 - c. Holding in temporary camp only long enough to be fully documented, security checked, receive refugee commodities etc.
 - d. Movement to permanent home site.
 - e. Allocation of commodities and funds to build permanent home.
 - f. Establish local defence of village.

Criteria for Temporary Accommodation Area

4. Type of Camp

Suggest permanent type of construction which could be used as dependent housing estates for ARVN/RF/PF families (or others) at a later date.

Size of Area

5. Assume 640 families per week. Therefore plan on holding 1,000 families at any one time.

Facilities

6. Toilets, Water, Administration, Warehousing, Medical etc.

Location

7.
 - a. Close to transportation terminal.
 - b. Centrally placed for movement on Routes 15, 2 and 23.
 - c. Consider future use of accommodation if of a permanent nature.

Criteria for Permanent Area (Village)

8. People must be concentrated into villages for good security.
9. The land must be given to the people immediately with certain conditions.
10. The land must be suitable for a village.
11. The surrounding land must be capable of supporting the proposed population.
12. Permanent areas must be capable of being protected by GVN forces.

/ . Resettlement Areas

Resettlement Areas

13. Likely areas must be selected now so that land ownership can be tackled immediately and not left as a legacy after the operation. Obviously Government owned/controlled land would be preferable (all other things being equal)

14. A map showing possible resettlement areas is attached at Appendix 1.

Village Design and Construction

15. Villages and hamlets should be designed in accordance with the principles of good town planning. Type plans should be produced as soon as possible to give the basic module for engineer and logistic planning.

16. A suggested village layout is attached as Appendix 2, as a basis for planning.

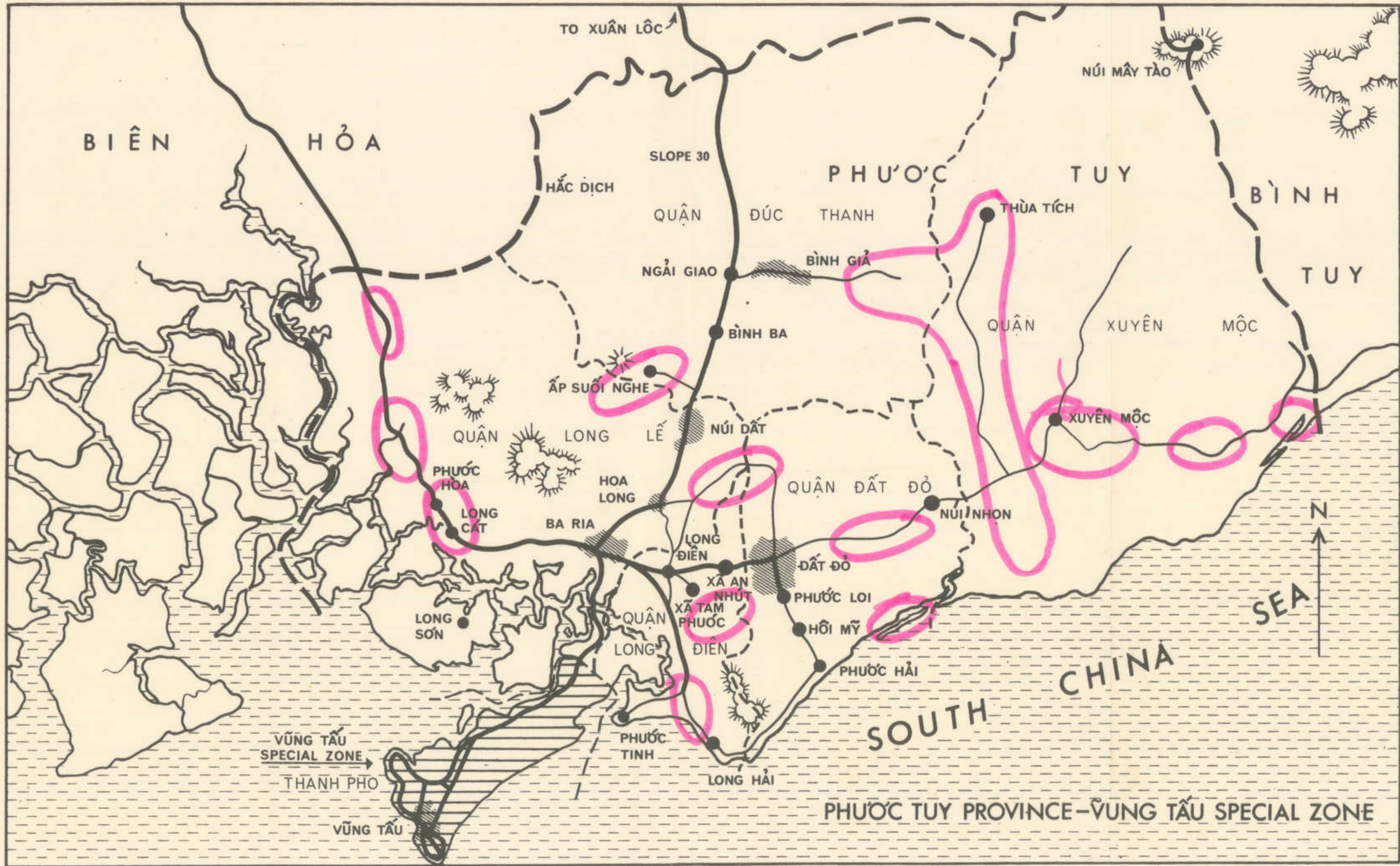
17. Brief notes on the construction of villages are attached as Appendix 3 to assist planning.

Control Organisation

18. The basic elements of the control organisation are :

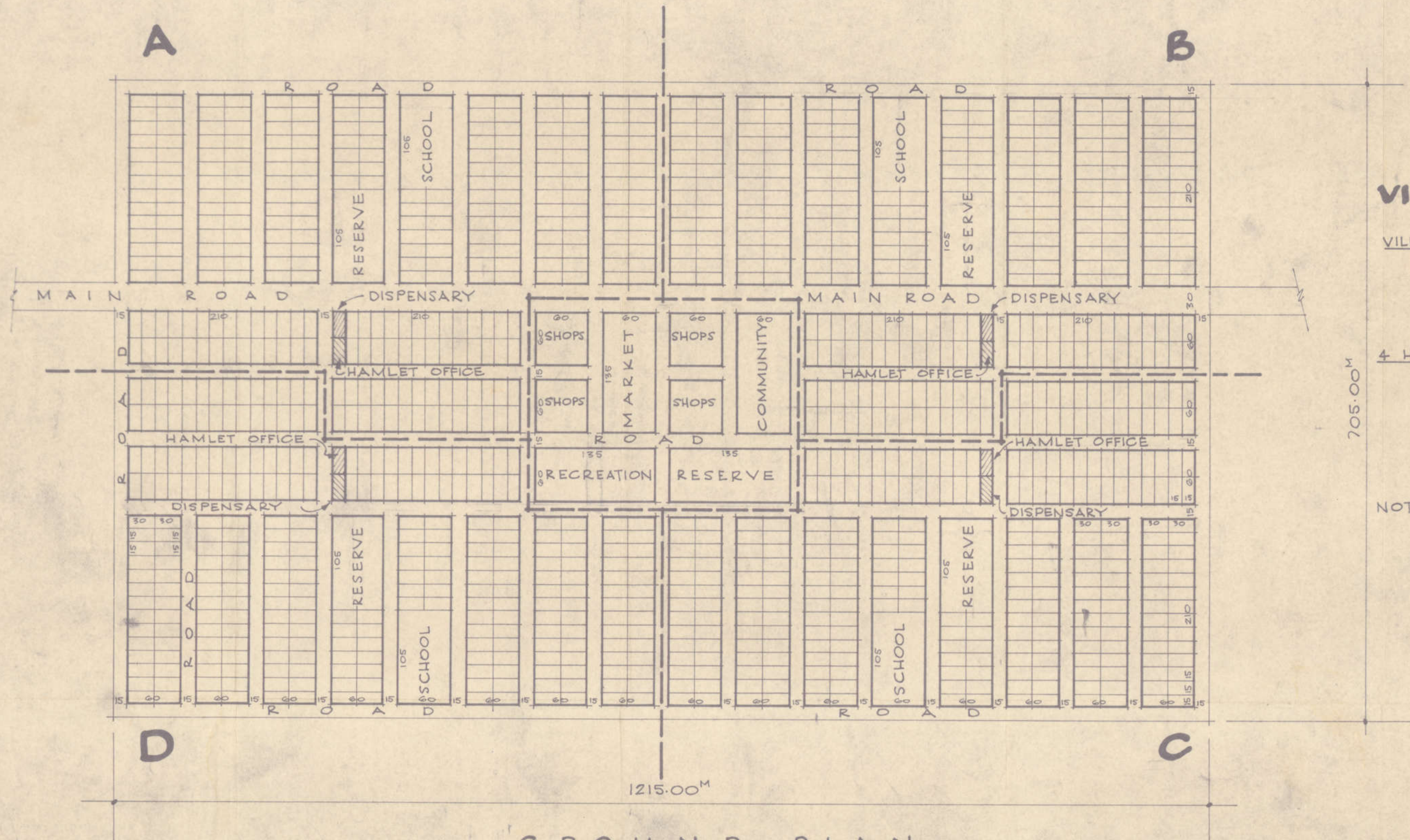
- a. A project manager responsible to the Province Chief.
- b. GVN Refugee Organisation.
- c. Engineer Construction Organisation.
- d. Transportation Organisation.
- e. CORDS Organisation (Advisory, commodity support etc)
- f. Province Service Chiefs (as required)

POSSIBLE RESETTLEMENT AREAS APPENDIX I TO ANNEX B



AFV/F7-12/1188

PROPOSED VILLAGE LAYOUT



VILLAGE CONTAINS

VILLAGE CENTRE:

- MARKET
- COMMUNITY AREA
- SHOPPING AREA
- RECREATION
- RESERVED AREA

4 HAMLETS: A, B, C, D

- 278 BASIC HOUSE LOTS
- 1 SCHOOL AREA
- 1 RESERVED AREA
- 1 DISPENSARY
- 1 HAMLET OFFICE

NOTE: VILLAGE CONTAINS A TOTAL OF 1112 HOUSE LOTS APPROX. POPULATION OF 5560 PERSONS

GROUND PLAN
SCALE: 1/3000

RESETTLEMENT VILLAGE	
DATE: 13.12.67	1 AUST. C.A. UNIT
DRAWN: M.K.R.	PLAN NO: 6/38

CONSTRUCTING A NEW VILLAGE

1. The following steps are necessary :-

- a. Clearing
- b. Survey
- c. Road/street construction - including access roads.
- d. Drainage
- e. Wells
- f. Building construction
 - (1) House frames
 - (2) Dispensaries
 - (3) Schools Some may be deleted.
 - (4) Hamlet offices
 - (5) Market

2. A number of villages will need to be constructed. Therefore a very large engineer construction force will be required to commence work some months before the refugees arrive in the Province.

3. Security for construction forces at a number of locations may be necessary.

GEOLOGY/SOILS SURVEY

OF THE

MEKONG TERRACE

579th Engineer Detachment (Terrain)
US Army Engineer Command Vietnam, (Prov)
AC/S Mapping and Intelligence
APO San Francisco 96491

1 July 1967

SUMMARY

The Mekong Terrace, comprising much of III CTZ, is a level to rolling plain which gradually increases in elevation from the Mekong Delta in the southwest to the Annam Mountains in the northeast. The present surface topography of the Terrace is the result of random erosion of a tilted surface of deposition. In the southwest, the rivers flow in broad, flat alluvial valleys. In the northeast, the streams have been entrenched into the surface, and valley profiles are steep. Vegetation consists of rice-lands in the southern portion of the Terrace and along the major river valleys which flow from the north, rubber plantations on the higher ground near the major roads and villages, and dense broadleaf evergreen forests in the northern and eastern portion of the Terrace.

There are only a few limited outcrops of hard rock exposed in the Terrace. The very old bedrock surface has been filled in by a few hundred feet of Ancient Alluvial Sediments, Recent Alluvial Sediments, and Basalt Flows. The Ancient Alluvial Sediments are predominantly grey clayey fine sands (SC) ; they cover approximately 2/3 of the Terrace. These soils are sensitive to "pumping" when wet but serve as a stable subbase or base course if sealed and drained. The clayey fine sands must be washed in order to be used as a fine aggregate or a select free-draining material. Recent Alluvial Sediments (plastic clays (CH) and Sandy silts(ML-CL)) have been deposited in the Mekong Delta, and in the major river valleys which drain the Mekong Terrace. These soils are usually soft and wet and require drying in order to be used in a compact fill. Their plasticity and low strength make them unsuited for use as a base course. Basalt Flows are found in the eastern portion of the Terrace, at the edge of the southern Annam Mountains. Much of the basalt has weathered to a red-brown clayey silt (ML-MH) soil. The soils are soft and slippery when wet but stable in a compacted fill. Thicknesses of the silt range from one or two feet to a few hundred feet over the basalt. Where exposed, basalt and weathered basalt fragments can be excavated by dozers for use as a gravel fill or a low-grade base course. The weathered basalts fragments tend to disintegrate under traffic.

The best source of select materials are the laterites which cover much of the Terrace. Hard massive laterite is found in the Ancient Alluvium; its formation is related to the tilting of the Terrace. Hard pellet laterite is found in the basalt soils and is probably forming today. Both types of laterite is used as a base course and surface course for roads and airfields. When excavated the laterite breaks down into a gravel with some clay (GC). The percentage of fines, plasticity of the fines, and hardness of the gravel particles determine its suitability for construction purposes.

Quarry sites are limited to isolated hills of granitic and metamorphic rock. Granite rock is usually deeply weathered; surface boulders are common. Clean sand and gravel sources are extremely limited in the Mekong Terrace. Clean fine to medium sands may be obtained by dredging the major rivers.

30 Dec 67

WATER SUPPLY FOR VIETNAMESE VILLAGES

1. In any community a reliable water supply is essential to sustain life. It is the basis of any public health program as well as being essential for:-

- a. Washing (personal/clothing/vehicles etc).
- b. Watering household gardens.

2. The main source of water in a Vietnamese village is the well where the water is drawn by hand pump or a bucket on the end of a rope. There are isolated instances of deep bores with motor driven pumps connected to a limited reticulation system. The well is a simple cheap system but subject to contamination and fluctuations in supply. The deep bore usually ensures an adequate supply of good water but the actual supply is often spasmodic because of engine breakdown or lack of fuel. In some cases lack of an operator is a contributory cause.

3. There is therefore a need to design some sort of simple reticulation system which can operate shallow wells or deep bores with minimum maintenance equipment. The best method to achieve this would be to use windmills. Because there is an acute shortage of boring in Vietnam it would be wise to concentrate on a design for shallow wells. The attached sketch gives the general layout envisaged.

4. Locations for schemes of this sort are as follows:-

- | | |
|---------------------|--|
| <u>NGAI GIAO</u> | To serve new market area and refugee village on opposite side of the road. Scheme may include Sub Sector position. |
| <u>AP SUOI NGHE</u> | To serve the wetsern end of the hamlet. Complementary to supply system for RF post and public utilities.
(see project No 104) |
| <u>HOA LONG</u> | To serve new PFF post and projected RF post opposite
and
To serve market area/community area/dispensary. |

J.F. McDonagh
(J.F. McDONAGH)
Lt Col
CO

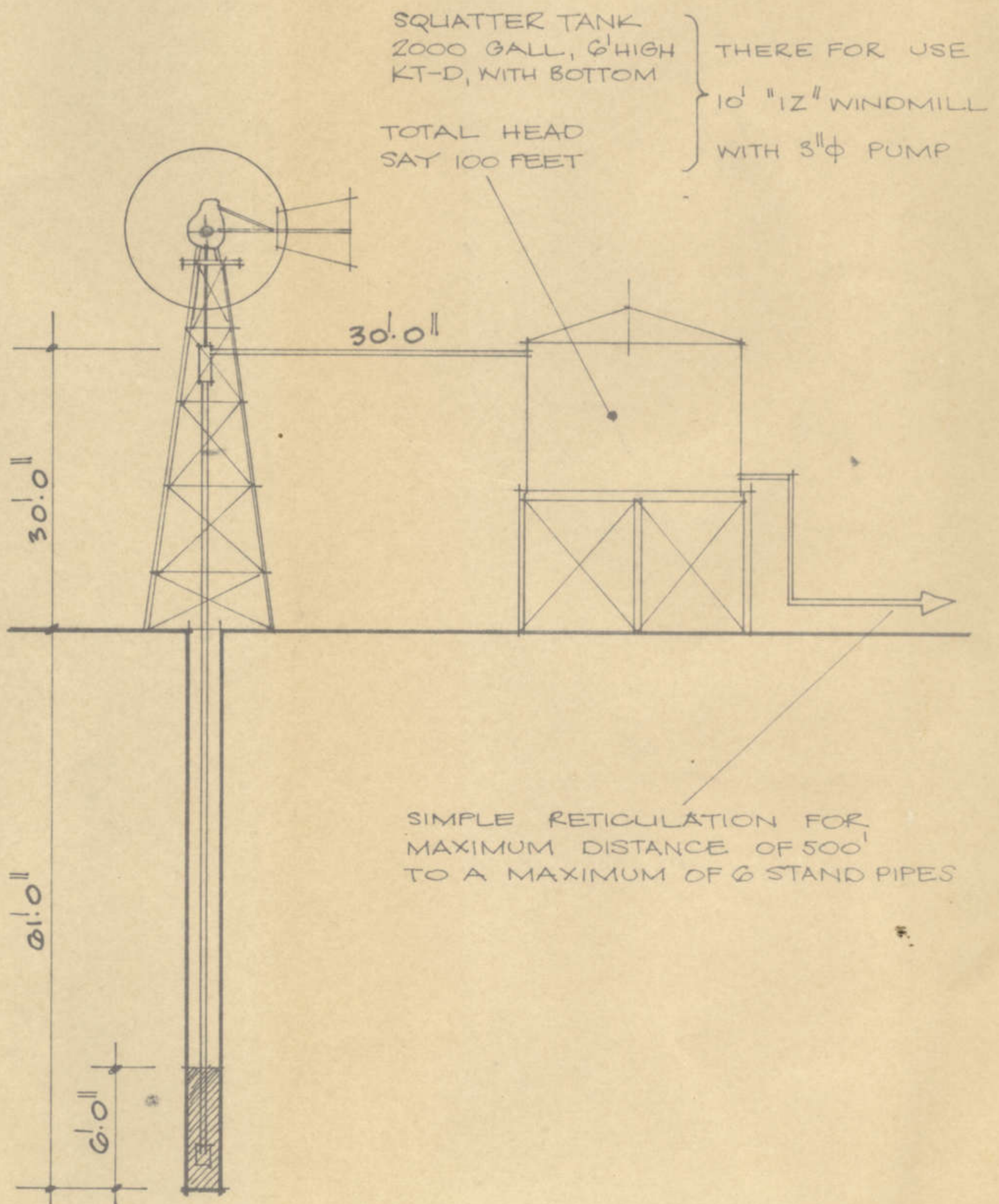
SERIAL NO.	NAME AND LOCATION	AREA EXTENT HECTARES	GENERAL DESCRIPTION OF MATERIALS	MODE OF TRANSPORT	EXPLOITING		ORGANISATION		DATE AND SOURCE OF INFORMATION	REMARKS
					NAME	EQUIPMENT	NORMAL OUTPUT	EST. MAX. OUTPUT		
1	LONG HUONG YS 355617	10	GRANITE	TRUCK	NGUYEN-VAN-DÂU	1 ROCK DRILL 1 CRUSHER HAND QUARRIED	NOT USED SINCE 1965 - 15 ^{CU.M./DAY}	NOT KNOWN 20 ^{CU.M./DAY}	PUBLIC WORKS CHIEF DEC 67	MANY SMALL DIGGINGS OVER THE AREA
2	LONG HUONG YS 361 619	15	GRANITE (UNCRUSHED)	"	67 ENGR. CO. US ARMY	1 ROCK DRILL 2 BULLDOZERS 1 GRIZZLEY	600 ^{CU.M./DAY}	1000 ^{CU.M./DAY}	67 ENGR. CO. US ARMY DEC 67	
3	LONG HAI YS 451 488	3	GRANITE	"	NGUYEN-VAN-DÂU	HAND QUARRY	5 ^{CU.M./DAY}	10 ^{CU.M./DAY}	PUBLIC WORKS CHIEF DEC 67	
4	NGAI GIAO YS 462 820	10	GRANITE	"	GOVERNMENT LAND	"	SPAZMODIC	UNKNOWN	"	MANY SMALL DIGGINGS
5	XUAN SON YS 533 764	1	GRANITE	"	"	"	"	"	"	
6	LONG CAT YS 294 624	9	FINE SAND	"	"	HAND PIT	"	"	"	
7	RACH VANG YS 308 611	1	COURSE SAND	"	"	"	"	"	"	
8	LONG DIEN MIEV ONG HO YS 413 602	3	FINE SAND	"	"	"	"	"	"	
9	HOA LONG YS 429 658	8	LATERITE	"	GOVERNMENT LAND 1 AUST. TASK FORCE ARVN ENGRS PUBLIC WKS.	DOZERS-FEL } DOZER FEL } DOZER FEL } AS NEEDED	200 ^{CU.M./DAY}	500 ^{CU.M./DAY}	1 AUST. TASK FORCE PUBLIC WORKS CHIEF DEC 67	
10	NUI DAT-DAT DO YS 489 618	0.5	"	"	1 AUST. TASK FORCE VILLAGERS				PUBLIC WORKS CHIEF DEC 67	NOT IN USE
11	CHUA CAO DAI (DAT DO) YS 518 611	0.5	"	"	GOVERNMENT LAND				PUBLIC WORKS CHIEF DEC 67	NOT IN USE USED FOR REPAIR OF ROUTE 23
12	HOA LONG (BY PASS ROAD) YS 423 685	1	"	"	"				"	NOT IN USE. USED FOR CONST. & REPAIR OF BYPASS RD. ON ROUTE 2
13	NUI DAT (HOA LONG) YS 436 672	2.5	WEATHERED BASALT	"	1 AUST. TASK FORCE	WAGGON DRILL DOZER FACE SHOVEL 4 ROCK CRUSHERS	UNCRUSHED 500 ^{CU.M./DAY} PRIMARY 130 " SECONDARY 70 "	UNCRUSHED 800 ^{CU.M./DAY} PRIMARY 220 " SECONDARY 100 "	1 AUST. TASK FORCE (1 A.T.F.) DEC 67	2 PRIMARY CRUSHERS 2 SECONDARY CRUSHERS
14	XUYEN MOC (NUI DAT) YS 651 701	1	LATERITE	-					"	OPENED FOR OPERATIONAL PURPOSES
15	XUYEN MOC YS 662 674	1	SAND	-					"	"
16	LONG PHUOC YS 442 662	-	LATERITE	-					"	
17	BINH BA YS 432 742	0.3	"	-					"	

NOT IN
USE

ANNEX A

WATER SUPPLY IN VILLAGES FROM WELLS FOR 200-300 PEOPLE

REF : SOUTHERN CROSS CATALOGUE PAGE N° 77



1 AUST. C.A. UNIT	
DATE 28.12.67	PLAN N°
DRAWN MKR.	G/42

First Australian Civil Affairs Unit
 First Australian Task Force
 NUI DAT

31 December 1967

Province Senior Advisor (2)

NATURAL MATERIALS DEPOSITS - PHUOC TUY PROVINCE

Reference: A. CORDS II FFV/III CTZ Memorandum of 13th December 1967.
 B. Conversation LTC Austin/Lt Col McDonagh of 16th December 1967.

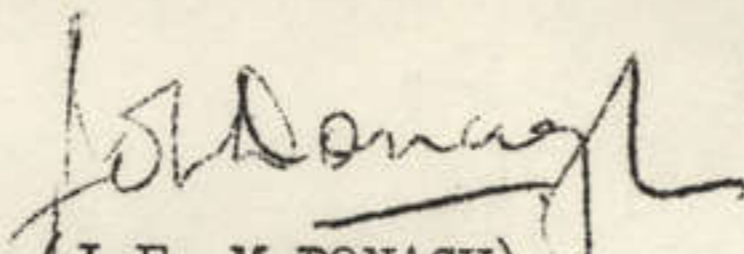
1. A rapid survey of natural deposits has been carried out in Phuoc Tuy Province by this unit. The material gathered is of a general nature only.

2. Exploited Deposits

- a. Annex A contains the information required by Reference A.
- b. The detail was obtained by interview and the locations checked by air reconnaissance.
- c. The Public Works Chief, First Australian Task Force and 67 Engineer Company (DT) US Engineers provided information.


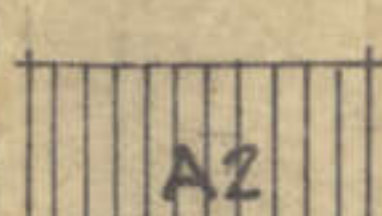


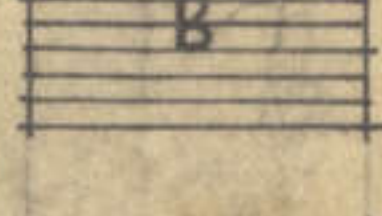

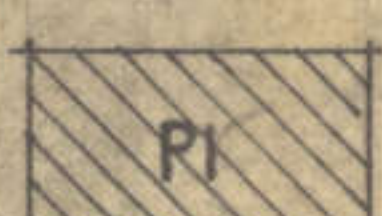
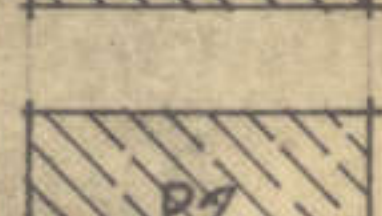




3. Unexploited Deposits

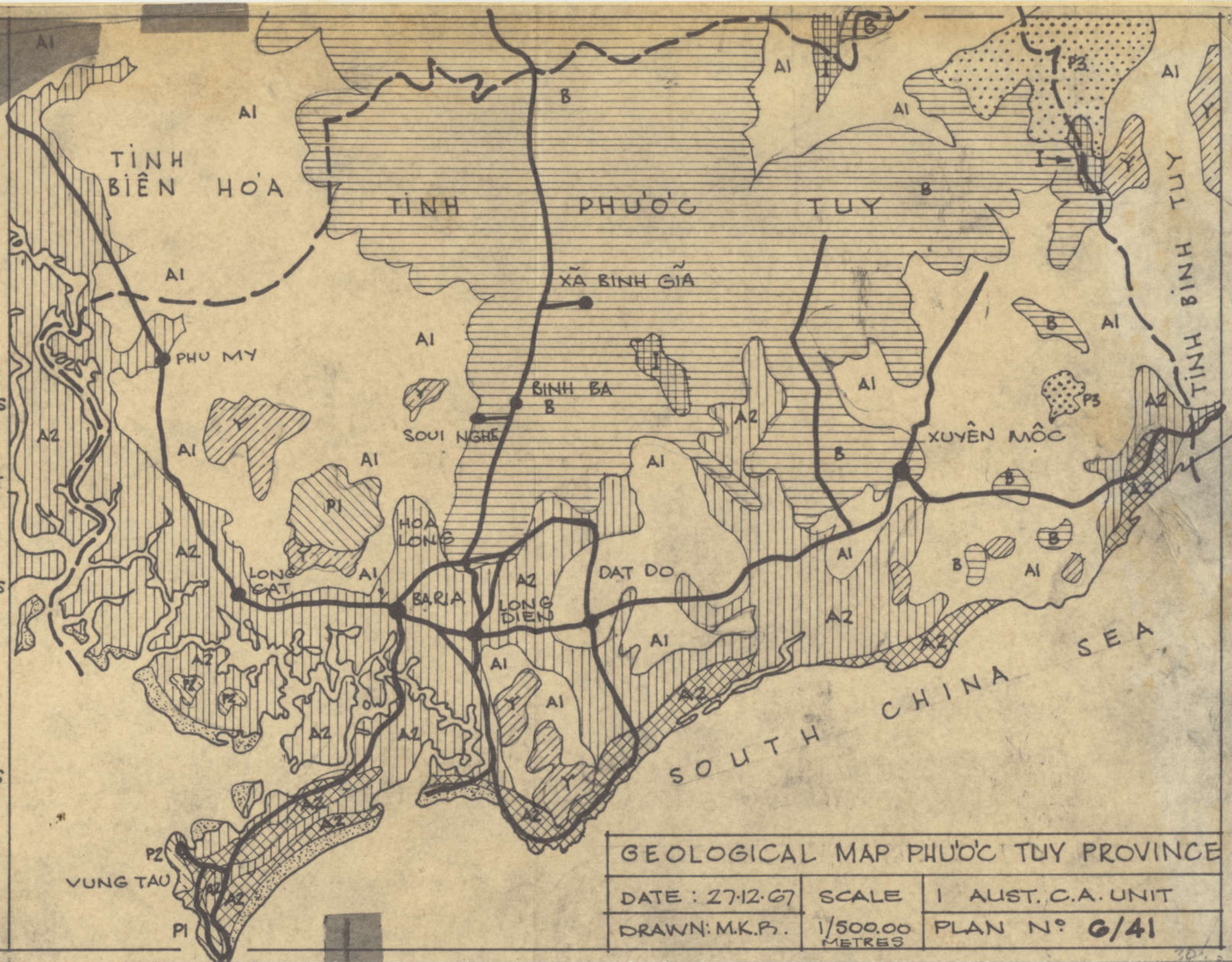
- a. All the information required can be obtained from the geological map (Annex B) and "Geology/Soils Survey of the Mekong Terrace - Summary" (Annex C).
- b. Annex D is a first approximation to locating deposits, and is subject to confirmation by a ground reconnaissance.
- c. An accurate technical interpretation of the map has not been possible due to a lack of qualified personnel


 (J.F. McDONAGH)
 Lieutenant Colonel
 Commanding Officer

Copy to:

1 Fd Sqn RAE
 17 Const Sqn RAE
 Public Works Chief

-  A1 ALLUVIUMS ANCIENNES
-  A2 ALLUVIUMS RECETES
-  A2 DUNES
-  B BASALTES
-  I INDÉTERMINÉES
-  P1 RHYOLITES POST HERCYNINIENS
-  P2 MICROGRANITES
-  P3 DACITES
-  Y GRANITES HERCYNINIENNES
-  MAIN ROADS
-  TOWNS
-  BOUNDARIES



GEOLOGICAL MAP PHU'OC TUY PROVINCE		
DATE : 27.12.67	SCALE	1 AUST. C.A. UNIT
DRAWN: M.K.P.	1/500.00 METRES	PLAN N° 6/41

GEOLOGY/SOILS SURVEY

OF THE

MEKONG TERRACE

579th Engineer Detachment (Terrain)
US Army Engineer Command Vietnam, (Prov)
AC/S Mapping and Intelligence
APO San Francisco 96491

1 July 1967

SUMMARY

The Mekong Terrace, comprising much of III CTZ, is a level to rolling plain which gradually increases in elevation from the Mekong Delta in the southwest to the Annam Mountains in the northeast. The present surface topography of the Terrace is the result of random erosion of a tilted surface of deposition. In the southwest, the rivers flow in broad, flat alluvial valleys. In the northeast, the streams have been entrenched into the surface, and valley profiles are steep. Vegetation consists of rice-lands in the southern portion of the Terrace and along the major river valleys which flow from the north, rubber plantations on the higher ground near the major roads and villages, and dense broadleaf evergreen forests in the northern and eastern portion of the Terrace.

There are only a few limited outcrops of hard rock exposed in the Terrace. The very old bedrock surface has been filled in by a few hundred feet of Ancient Alluvial Sediments, Recent Alluvial Sediments, and Basalt Flows. The Ancient Alluvial Sediments are predominantly grey clayey fine sands (SC) ; they cover approximately 2/3 of the Terrace. These soils are sensitive to "pumping" when wet but serve as a stable subbase or base course if sealed and drained. The clayey fine sands must be washed in order to be used as a fine aggregate or a select free-draining material. Recent Alluvial Sediments (plastic clays (CH) and Sandy silts (ML-CL)) have been deposited in the Mekong Delta, and in the major river valleys which drain the Mekong Terrace. These soils are usually soft and wet and require drying in order to be used in a compact fill. Their plasticity and low strength make them unsuited for use as a base course. Basalt Flows are found in the eastern portion of the Terrace, at the edge of the southern Annam Mountains. Much of the basalt has weathered to a red-brown clayey silt (ML-MH) soil. The soils are soft and slippery when wet but stable in a compacted fill. Thicknesses of the silt range from one or two feet to a few hundred feet over the basalt. Where exposed, basalt and weathered basalt fragments can be excavated by dozers for use as a gravel fill or a low-grade base course. The weathered basalts fragments tend to disintegrate under traffic.

The best source of select materials are the laterites which cover much of the Terrace. Hard massive laterite is found in the Ancient Alluvium; its formation is related to the tilting of the Terrace. Hard pellet laterite is found in the basalt soils and is probably forming today. Both types of laterite is used as a base course and surface course for roads and airfields. When excavated the laterite breaks down into a gravel with some clay (GC). The percentage of fines, plasticity of the fines, and hardness of the gravel particles determine its suitability for construction purposes.

Quarry sites are limited to isolated hills of granitic and metamorphic rock. Granite rock is usually deeply weathered; surface boulders are common. Clean sand and gravel sources are extremely limited in the Mekong Terrace. Clean fine to medium sands may be obtained by dredging the major rivers.

PHUOC TUY PROVINCE NATURAL MATERIALS DEPOSITS - UNEXPLOITED

DECEMBER '67

ANNEX D
TO I AUST. C.A. UNIT

SERIAL NO.	LOCATION	AREA EXTENT HECTARES	GENERAL DESCRIPTION OF MATERIALS	QUALITY AND QUANTITY OF MATERIALS	ACCESSABILITY AT DEPOSIT	DATE & SOURCE OF INFORMATION	REMARKS
	REFER TO FOLLOWING AREAS ON GEOLOGICAL MAP						
1	ANCIENT ALLUVIAL SEDIMENTS (A1)		GREY CLAYEY FINE SANDS	SENSATIVE TO PUMPING WHEN WET USEFUL AS STABLE SUB-BASE OR BASE COURSE IF SEALED & DRAINED. CLAYEY FINE SANDS MUST BE WASHED IN ORDER TO BE USED AS A FINE AGGREGATE.		GEOLOGY MAP "GEOLOGY/SOILS SURVEY OF THE MEKONG DELTA" BY 579TH ENGINEER DETACHMENT (TERRAIN) 1ST JULY 1967	THERE ARE NO KNOWN SOURCES OF GRAVEL IN PHUOC TUY PROVINCE.
			MASSIVE HARD LATERITE	USED AS BASE COURSE & SURFACE COURSE FOR ROADS & AIRFIELDS (SEE UNDER BASALTS)			
2	RECENT ALLUVIAL SEDIMENTS (AZ)		PLASTIC CLAYS (CH) AND SANDY SILTS (ML-CL)	USUALLY SOFT & WET, & REQUIRES DRYING IF USED IN A COMPACT FILL. THEIR PLASTICITY AND LOW STRENGTH MAKE THEM UNSUITABLE FOR BASE COURSES.			
3	DUNES (AZ)		FINE & COURSE SANDS	SOME MAY STILL BE CONTAMINATED BY SALT WATER. USUALLY CLEAN NEAR THE COAST.			
4	BASALTS (B)		WEATHERED ROCK	SOME HAS WEATHERED TO A RED-BROWN CLAYEY SILT (ML-MH) SOIL. THE BASALT ROCK CAN BE EXCAVATED BY DOZERS FOR USE AS A GRAVEL FILL ON A LOW GRADE BASE COURSE.			
			HARD PELLET LATERITE	FOUND IN THE BASALT SOILS. USED AS BASE COURSE & SURFACE COURSE FOR ROADS AND AIRFIELDS. WHEN EXCAVATED, LATERITE BREAKS DOWN INTO A GRAVEL WITH SOME CLAY (GC) PERCENTAGE OF FINES/PLASTICITY/HARDNESS/ETC VARIES			
5	GRANITE (Y)		DEEPLY WEATHERED GRANITE	SURFACE BOULDERS COMMON			
6	RHYOLITES (PI)		WEATHERED ROCK	SURFACE BOULDERS COMMON			

Dec 67

DEPOSITS - UNEXPLOITED

NO.	LOCATION	GENERAL DESCRIPTION OF MATERIALS	QUALITY AND QUANTITY BY MATERIALS	ACCESSIONARY AT DEPOSIT	DATE DEPOSITED	REMARKS
1
2
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SEVENTH AUSTRALIAN DIVISION
1ST AUSTRALIAN INFANTRY BRIGADE
FOR RECORDS PURPOSES ONLY

(1) DEPOSITED AT THE
MUSEUM OF THE
RESEARCH AND
RECORDS DIVISION
AT THE
DEFENSE HEADQUARTERS
CANBERRA
ACT. 2600

3020

Goodell

RESTRICTEDAUSTRALIAN MILITARY FORCES

1 Aust CA Unit
 Aust Fd Post Office 4
 NUI DAT

Nov 67

COMBAT OPERATIONS AFTER ACTION REPORTCIVIL AFFAIRSName of Operation

1. Operation OODNADATTA

Date of Operation

2. 24 Nov 67

Location

3. HOA LONG YS 4264

Control Headquarters

4. HQ 7RAR Gp

Reporting Officer

5. Capt I.G.MENZIES, LO, 1 Aust CA Unit.

Task Organisation

6. Team 1 Aust CA Unit (LO, Interpreter, Driver/Sig)

Supporting Forces

7. Nil

Intelligence

8. "Intelligence Estimate, Viet Cong Rice Procurement in Phuoc Tuy Province" HQ, 1 ATF of 9 Nov 67, V/22/13 (Int)

Mission

9. Advise HQ 7RAR Gp on civil affairs matters before and during search of HOA LONG.

Concept of Operations

10. a. LO, 1 Aust CA Unit, to advise HQ 7 RAR in the planning stages of the operation.
 b. Team 1 Aust CA Unit to be available at HQ 7 RAR Gp during period of operation. Under command CO 7 RAR and despatched to Sub-Units as problems arise.

/11. Execution

Execution

11. 20 Nov 67
- a. 1630 Hrs LO attended planning conference and briefing at HQ 7 RAR.
 - b. 1730 Hrs LO conducted ground reconnaissance of HOA LONG and selected six (6) sites for Interrogation Centres. Information passed to HQ 7 RAR.
12. 2nd Nov 67
- a. LO informed WO2 P.ANGUS (CA Advisor, HOA LONG), of impending operation and requested that Hamlet/Village Chiefs be available at Operational HQ at 0715 Hrs on 24 Nov 67 for a briefing.
 - b. Ascertained names of Hamlet/Village officials and latest population census. Information passed to HQ 7 RAR.
13. 24 Nov 67
- a. 0700 Hrs departed NUI DAT.
 - b. 0715 Hrs reported to Operational HQ adjacent to HOA LONG Sub-Sector Post. Hamlet/Village Chiefs gathered at VIS office and were briefed by District Chief (Capt KIM)
 - c. 0755 Hrs CO 7 RAR requested that CA team inform population that they were to move to Interrogation Centres as the people seemed reluctant to leave their homes. A vehicle-mounted PA system was used for this purpose (see para 16) for approximately one (1) hour with excellent results.
 - d. 1225 Hrs evacuated two (2) young children by road to BARIA Hospital. Both were admitted with Malaria. Details of these and other cases sighted by MO, 7 RAR were passed to 1 Aust CA Unit, MEDCAP Team, for followup treatment.
 - e. 1430 Hrs, cordon and search was completed and returned to NUI DAT.

Results

14. The team was able to provide advice and information both before and during the operation to HQ 7 RAR Gp and therefore fulfilled its role effectively.

Administrative Matters

15. Nothing to Report.

Special Equipment/Techniques.

16. A vehicle-mounted Public Address system was provided by 104 Sig Sqn to the Operational HQ and proved extremely useful to the 1 Aust CA Unit team.

/.17. Commander Analysis

Commander Analysis

17. The organisation and administration of the cordon and search ran very smoothly. Some confusion arose over the entry and exit of visiting observers in the cordon and search area, however these difficulties were soon overcome.

18. The original reluctance on the part of the people to move from their homes to the Interrogation Centres was based on the fear that goods might be stolen during their absence. The broadcast made to the people assured them the safety of their personal possessions and this fear was allayed.

Recommendations

19. In order to maintain the dignity and status of the Hamlet and Village officials it is suggested that these officials be fully briefed as soon as the Operational HQ is established on site and be passed through the Interrogation Centre in one group. The officials could then be issued with a pass and be allowed to assist in the movement and control of the population at the Interrogation Centres.

20. The District Chief, local National Police Chief and the local Combat Field Police Chief, together with the commanders of local RF/PF forces and RD teams, should be briefed at the Operational HQ and, if necessary, their advice and assistance sought. They must be made to feel part of the operation and not just as outsiders.

21. Those visiting observers, VIP's and personnel directly connected with the conduct of the cordon and search operation should be issued with passes to allow free entry and exit from the cordon and search area. Control and issue of passes for Vietnamese personnel could be left in the hands of the District Chief, whilst passes for personnel from Free World Forces could be handled by the local US Advisor. No other person should be allowed in or out of the cordon and search area.

22. Greater use should be made of the Vietnamese Information Service, ARVN Psyops Teams, Armed Propaganda Teams and the local Revolutionary Development Cadre. Teams could entertain the people as they wait at the Interrogation Centres and disseminate propaganda either by leaflets, sound broadcasts, movies or by word of mouth.

23. It is vital from a propaganda standpoint that Vietnamese Forces participating in the search should not appear to be subordinate to the Australian force. Greater use could be made of the NFFF in the search teams to impress the civilians that, in appearance at least, it is a Vietnamese operation.

24. Psyops broadcasts made to the people after the cordon is in position must be clear and concise. If the interrogation is to take some time the people must be warned to bring food with them.

25. It is further recommended that a study be made of MACV document "Counterinsurgency Lessons Learned No 65: Population and Resources Control (v)" MACJ 343 dated 20 Oct 67, for amplification of some of the points outlined in this report.

J.F. McDonagh
(J.F. McDonagh)
Lt Col
CO 1 Aust CA Unit