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PATROL REPORTS

DISTRICT: Northern

STATION: Tufi

VOLUME No: 28

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1970 - 1971

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Papua New Guinea Patrol Reports

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Ch. 874-7/72

NORTHERN DISTRICT

PATROL REPORTS

1970-1971

TUFI

<u>Report No.</u>	<u>Officer conducting Patrol</u>	<u>Area Patrolled</u>
1-70-71	D.G.ROBBINS	Portions collingwood Bay, Dyke Ackland Bay and Cape Nelson Census Division.
2-70-71	D.G.ROBBINS	Dyke Ackland Bay Census Div.
3-70-71	D.G.ROBBINS	Parts Dyke Ackland Bay and Musa Census Division.
4-70-71	D.G.ROBBINS	Part Collingwood Bay C.D.
5-70-71	I.A.MURRAY	Part Collingwood Bay C.D.



TERRITORY OF PAPUA AND NEW GUINEA

PATROL REPORT

District of NORTHERN Report No. TUPI 1-70/71

Patrol Conducted by D.G. ROBBINS APO

Area Patrolled FORTIONS, COLLINGWOOD BAY, DYKE ACKLAND BAY, and CAPE NELSON
CENSUS DIVISIONS

Patrol Accompanied by Europeans NIL

Natives RANDOLPH GANGAI - INTERPRETER
CONST. 1/C PETER KANIG R.P.N.G.C.

Duration—From 3/6/70 5/6/70
1/7/1970 to 10/7/1970

Number of Days 13

Did Medical Assistant Accompany? NO

Last Patrol to Area by—District Services 23/10/1969

Medical/...../19.....

Map Reference SKETCH MAP ATTACHED

Objects of Patrol FAMILIARIZATION

Director of District Administration,
PORT MORESBY.

Forwarded, please.

3/9/1970


District Commissioner

Amount Paid for War Damage Compensation \$.....

Amount Paid from D.N.E. Trust Fund \$.....

Amount paid from P.E.D.P. Trust Fund \$.....

RH 67-5-2. (28)

TERRITORY OF PAPUA AND NEW GUINEA.

Ref: 67-1-1

Division of District Administration,
Department of the Administrator,
POPONDETTA. Northern District.

22nd September, 1970.



The Departmental Head,
Department of the Administrator,
KONEDOBU.

TUFI PATROL NO. 1 1970/1971.

Your memorandum 67-5-2 dated 15th September, 1970
refers.

Patrol map is forward herewith as requested.

28/9

(D.R. Marsh)
District Commissioner.



TERRITORY OF PAPUA AND NEW GUINEA

DDA 67. 5. 2

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Telephone

Telegrams

Our Reference 67-1-1

If calling ask for

Mr.

Division

~~Department~~ of District Administration,
Department of the Administrator,
Popondetta, Northern District.

2nd September, 1970.

The Secretary,
Department of the Administrator,
KONEDOBU.

PATROL REPORT TUFU NO.1 of 1970/71.

Enclosed herewith please find a copy of the above report of a patrol to parts of the coast line of the Tufu sub-district conducted by Mr. D.G. Robbins, A.P.O. together with covering comments by A.D.C. Tufu.

Mr. Robbins has produced a detailed report, but it lacks balance with too much detail given to unessentials whilst important aspects tend to be overlooked. However this is largely a matter of training and I am sure that this Officer will respond well to the advice of his Assistant District Commissioner.

D. R. Marsh.
District Commissioner.

Minute to Assistant District Commissioner,
Tufu.

The foregoing is for your information please.

Whilst Mr. Robbins conformed with patrol instructions and whilst I appreciate that this was a familiarisation patrol, this quite lengthy narrative approximates a travelogue rather than a report.

I get no clear picture of cash cropping from the report except that there is a better market for crocodile skins than for copra. I note the inference that the skin trade is greater value than coffee production - is this correct? Who are the buyers of copra and of crocodile skins?

In as much as economic development is vital to the progress of the nation, patrolling officers must show considerable interest in this aspect. The main economic activity in the area patrolled is copra production. The report should have indicated (i) production, (ii) new plantings, (iii) state of groves, (iv) marketing problems, (v) standard of produce, (vi) return to growers, (vii) attitudes to these aspects, (viii) crop census figures, if available.

Other significant cash crops and fields of economic endeavour should be similarly treated.

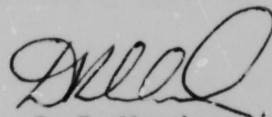
Information of this type is of considerably more importance than the exact location of, say, old village sites and is vital to an overall appreciation of an area.

I am concerned about the proposed well sites at Kwanasasap and at Sinapa; the report states that the sites are wholly unsatisfactory, whereas para 3 (b) of your comments indicate that projects are to proceed. Please clarify urgently.

From the report it is not clear whether there is a suitable well site at Ako. Please advise.

With regard to Uve Crown Land you are no doubt aware that the Land Development Board has emphasised that there will be no regularised settlement project in the Tufi sub-district for some years to come - apart from Wanigala.

It is obvious that a lot of effort has been put into the preparation of this report - the result is disappointing. Was the draft presented to you in the first instance? If not, please see that this is done in future to enable you to suggest improvement to style and content prior to final submission.



D. R. Marsh.
District Commissioner.

67-5-2.

Division of District Administration,

KONEDOBU. Papua.

15th September, 1970.

The District Commissioner,
Northern District,
POPONDETTA.TUPI PATROL NO. 170-71.

Your reference 67-1-1 of 2/9/70.

I acknowledge with thanks receipt of Special Report by Mr. D. G. Robbins, A.P.O., of part Cape Nelson, Collingwood Bay, and Dyke Ackland Bay, Census Divisions.

I endorse your excellent covering comments. Mr. Robbins' work is indicative of a thorough approach, and it is a pity that his efforts were somewhat ill-directed in this report.

Would you please forward a copy of the patrol map.

(T. W. ELLIS)
Departmental Head.

67-2-1

Sub-District Office,
T U F I .

7th August, 1970.

The District Commissioner,
Northern District,
P O P O N D E T T A .

TUFI PATROL REPORT NO.1/1970-71.

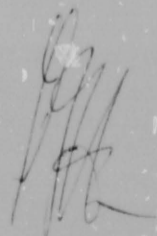
Attached please find three (3) copies of the report of the abovementioned patrol, conducted by Assistant Patrol Officer Mr. D.G.Robbins, into coastal parts of the Tufti Sub-District. The late submission of this report is regretted but was unavoidably occasioned by my absence in Popondetta for three weeks conducting Political Education Courses.

2. The patrol was Mr. Robbins' first solo effort, and I feel a commendable piece of field work. His claims for Camping Allowance are attached for your endorsement.

3. To comment on the patrol ;

- a) An extensive political education patrol is to be conducted by the writer after the Education Department's In-Service-Training Week, and prior to the next visit of the Select Committee on Constitutional Development. Mr. Robbins handled such matters well enough at village level on this patrol, and should be able to make some valuable contributions in this field once he has gained a working knowledge of the lingua franca. Where possible, Mr. Robbins will work with the writer during a number of locally convened political education courses.
- b) Council projects are in hand and no difficulties are envisaged in successfully completing the current year's works programme.
- c) Mr. Robbins has undertaken fairly extensive research before preparing this report and is to be commended, but it will be pointed out to him that copies of previous correspondence on matters attended to by the patrol need not be appended to the body of the report, references will suffice.
- d) Likewise, Mr. Robbins' attention will be drawn to the instruction that diary entries need not be overly lengthy, but merely resumes of entries recorded in his Field Officers Journal.

4. For your comments and on forwarding to Headquarters, please.

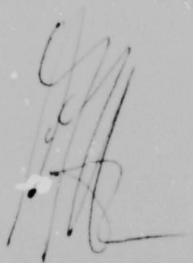


(L.F.NOLAN)
Assistant District Commissioner

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(2)

Though it is unlikely that you will encounter any situation requiring on-the-spot advice or assistance, should the need arise do not hesitate to contact this office by whatever means possible. Wishing you a pleasant patrol.



(L. F. NOLAN)

a/Assistant District Commissioner

67-1-1

Sub-District Office,
T U F I .

1st June, 1970.

Mr. D.G. Robbins,
Assistant Patrol Officer,
T U F I .

PATROL INSTRUCTIONS

Please prepare to depart on a patrol to the coastal villages of this Sub-District as soon as District Office is able to secure the services of the M.V. 'AIZARA'. The scheduling of this charter vessel will more than likely necessitate you break your patrol. If such is the case and the bulk of patrolling is carried out during next month you will accordingly number your Patrol Report No.1 of 1970-71.

- a) Prior to departure on patrol draw a cash advance to cover the cost of hiring canoes to move you from village to village whilst you are separated from the 'AIZARA'.
- b) You will need the services of an Interpreter, advise the station Interpreter, Mr. R. Gangai, that he is to accompany you.
- c) The Senior M.C.O. has been advised to make one Constable available for your patrol.
- d) The objects of your patrol are :-
 - i. to generally familiarise yourself with the coastal areas of the Sub-District.
 - ii. make a physical check in the villages visited on the sites for Cape Nelson Council water supply projects set down for completion during the forthcoming fiscal year.
 - iii. initiate a village by village survey to ascertain the reasons why so many firearm registrations have not been renewed. Extract information from the office card index system to elucidate just how many registrations are outstanding.
 - iv. Carry out routine administration. Where disputes are brought before the patrol you should endeavour to settle same by arbitration in conjunction with elected village representatives and village elders. All matters requiring litigation should be referred to Tufi.

67-2-1

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Department of the Administrator,
Division of District Administration,
Sub District Office,
TUPI, Northern District.

17th July, 1970.

The Assistant District Commissioner,
Sub District Office,
TUPI, Northern District.

PATROL: TUPI No 1-79/71

DIARY

- 3rd June 9.00 am left for Kewansasap with five Malaria Service men per "Aisara", Kevin Bourke's boat, hired by the Administration while "Ubama" is out of action.
1.15 pm arrived Kewansasap. Unloaded and went ashore to introduce myself to the people. Returned on board for lunch with Kevin Bourke and Guy Potts, his offsider.
3.00 pm to shore and rest house. This is a new rest house, set back from the beach with a view of the bay through coconut palms. There is no rubbish hole. Dirty toilet. Sandflies are bad on the beach and weed, driftwood etc are deposited on the beach a few inches deep. Two latrines, one at each end of the village, are built over the edge of the water. Good, fresh water is collected from a river to the North, $\frac{1}{2}$ hour's walk away. Inspected site of test hole for well made by P.H.L. which produced salty water. Councillor thinks water tank would be better. Inspected Aid Post. One in-patient with pneumonia receiving penicillin from Aid Post Orderly. Randolph, interpreter, "feels sick" so is given penicillin. Inspected rest of village. Anglican Mission has a school here. No complaints brought to the patrol. General impression gained is that the people are disinterested in the patrol. Slept rest house Kewansasap.
- 4th June 8.00 am left Kewansasap per "Aisara". Malaria team to work up coast by canoes. Very clear and calm morning.
11.10 am arrived Uwe. Lunch on board. Water in bay freshish but clear due to large river which flows into sea at South. Water, slightly salty, is collected from this river $\frac{1}{2}$ hour's walk away, depending on the tide. Gravelly beach and foreshore with creek and mangroves along back of village. Ragged, forested hills rise no more than one mile behind village. No agricultural value but scenically attractive. Inspected Uwe and Gigori, 50 yards to North over small creek. Councillor proud of his villages. South end of Gigori on creek bank eroded. Anglican Mission school here. Clean and neat village. Good reception. Slept rest house Uwe.

5th June Heavy rain. Intended to walk to Itoto. Told by locals it is about four hours walk there and there are only three or four houses there. Still raining at 9.00 am so decided to return to Tufi. 10.45 am arrived Tufi. Seas coming up rough. M. Office duties.

BREAK

1st July 7.30 am Mr Bourke arrived with "Aisara".
 9.00 am left Tufi per "Aisara" for Sebaga.
 11.00 am stopped off shore Lerubona and let down one passenger.
 1.00 pm proceeded up inlet behind Gobe. Deep water and steep sand bank so nosed "Aisara" up to sand and let down Aid Post orderly. En route to Gobe we had a school of porpois playing round our bow.
 3.00 pm arrived Sebaga. Set up in rest house. Mr Bourke found a good anchorage in mouth of Foru River with a very pleasant view upstream to Mt Victory and Mt Trafalgar and the other way across Lyke Ackland Bay to the Hydrographer Range. Had dinner on board with Kevin Bourke and Guy Potts. Slept Sebaga.

2nd July Some enquiries about shotguns. One unserviceable shotgun confiscated. Heard one complaint. Man's wife ran off with another man from Foru 2. The whole matter will be settled on the Foru man's returning 4 pigs, the bride price paid by the Sebaga man. Slept Sebaga.

3rd July Had planned to leave at 7.00 am but had a long wait for men from Foru 2 who are to return to Tufi for a court hearing concerning a fight in the village over a coconut tree. They turned up expecting a Census so they want a few days to return to Foru to get some food together for the trip. Corporal Leinig is accompanying them and will join the patrol in a few days.
 9.00 am eventually got away in one canoe with three paddlers.
 11.15 am lunch stop at Karisoa until 12.00 midday.
 1.45 pm arrived, under sail, from Karisoa at Gobe. Had a good N.E. behind us but the sea is choppy and had a rough trip. A rough entry over the bar off Gobe. Sandflies had here as was the case at Sebaga and Karisoa. Have brought with the patrol six wooden fighting sticks and another one decorated at top with feathers and a gear cog. Slept Gobe.

4th July Some enquiries regarding shotguns. A Madang man who has married a Gobe girl wants his name recorded with his wife's next census. The people want Mr Bourke or Mr Milne to come and buy the copra which they have on hand.
 8.15 am left Gobe, earlier than anticipated, by canoe with five girl paddlers. These girls are far better paddlers than yesterday's men. They keep up a good pace and besides make a prettier picture with their rythmical movements. Stopped at a river mouth about half way to Ake to collect water which proved to be the freshest water had so far.
 9.25 am arrived Ake. The rest house here is built in a "Robinson Crusoe" setting - at the water's edge on a short white-sand beach with coconut palms, between rocky outcrops. The village is beyond the western outcrop. Beyond the other outcrop is a fiord and the village of Tumaia can be seen on the other side. Ake is at the western extremity of the rocky fiord-like coastline of Cape Nelson. There are few sandflies here. A very pleasant place. Slept Ake.

5th July Sunday.
 Saw light of a ship going towards Tufi during last night.

6th July

Some enquiries regarding shotguns. Spoke to man about going to Tafi for a medical examination in connection with compensation for injured foot received working for STC Moreby.

8.10 am left Ake by canoe with eight men paddlers.

Statement made for 4th July completely borne out. These men paddle for one minute and rest for ten. They have no unison in paddling. Then they turn around and complain about the pay.

9.20 am arrived Angorogo. Good to have fresh water again. Didn't drink at all yesterday as the water at Ake is the worst I've seen. About an hour after arriving a light aircraft flew over and soon after "Aisara" sailed past towards Oro Bay.

Afternoon inspected village. Small but clean and tidy village. Abundant fruit is growing in the village - mangoes, bananas, guavas, oranges, pineapples etc.

Evening people gathered outside rest house for talk. Spoke to them about excessive number of shotguns and the consequences on wild life, the need to listen to the radio (there is only one in the village) to be informed on happenings in their country, and generally on other everyday matters.

9.20 pm listened to Australian P.M. Gorton's half hour policy speech on T.P.N.G. Slept Angorogo.

7th July

Some enquiries about shotguns.

8.20 am left Angorogo by canoe with four paddlers.

10.50 am arrived Berubona. Complaint by woman who was abused by a man for speaking at a Committee meeting. Spoke harshly to man concerned.

2.30 pm Corporal arrived from Marisa with Foru fighters in custody. Mr W. Johnston, the past M.C. visited here about nine months ago and spoke about pearls. A few weeks ago a man made the first find off Tumari. It was offered for sale so I purchased it at a price which may prove to have been excessive. I know no more about the value of pearls than these people do (nil). Inspected Berubona village. Mission, three stores, and an Ag officer here. Slept Berubona.

8th July

9.00 am inspected Founa. A good but uncut playing field. To Natukwaba. Only one family here. Not much to it. By canoe (1 hour) then short walk to Fofoma and Ilasororo. During the war the Americans had a grass observation and radio hut on the hills behind Fofoma. Maps at S.P.N.G., which are of the war time era show Fofoma on the beach just west of Spear Island. I noticed coconut palms there, at the ~~eastern~~^{eastern} end of a white sandy beach yesterday. These grassy hills would be excellent for cattle and the loamy (some clay) red-brown soils appear to be suitable for growing vegetables. Fresh water is readily available from streams. There is a fresh water lake in the depression west of Ilasororo. Road construction would also be feasible here with good solid ground and availability of rocks to be quarried and crushed for paving. The many streams could be a barrier in some directions. Clumps of lantana and mimosa seen near these villages. Slept Berubona.

9th July

7.10 am left Berubona by two canoes with twelve paddlers.
8.00 am en route inspected Tumari. A man Albino here.
In mid ocean a complaint from Kato Kato man about \$16.00
owed to him by a "wan-tok" from Berubona, now at Samarai.
Told him to take out a summons from Tufi.
11.00 am after strong head wind and seas from Cape Nelson
arrived Sinci. Foru fighters left Sinci this morning for
Tufi. "Aizara" anchored here last night en route Oro Bay
to Tufi. PM - Complaint by Sinci people about an old man
and woman causing sorcery on the gardens. The "sorcerers"
have good big food crops. Leaves on all other crops are
shrivelling up and the plants dying. They had kept a big
sweet potato taken from "sorcerers" garden as evidence but
it went rotten before I arrived. Told them I would send
the Ag Officer out to look at their gardens next week.
He may be able to confirm my words that the crops are
failing due to some natural cause and there is to be no
more talk of sorcery.
Will radio Tufi via Popondetta from here in the morning
at 8.00 to check that "Aizara" will collect the patrol and
teachers tomorrow afternoon for return to Tufi.
Slept Sinci.

10th July

Opened last tin of food this morning.
7.15 am "Aizara" rounded point. M Gorton has given
Territory schools a holiday today so we are able to
return with the four Sinci teachers (who collect their
pay cheques at Tufi) this morning. Just as "Aizara"
arrived so did another two canoes of Foru fighters. They
say their canoes will not fare through the rough seas to
Tufi. Being in Government custody they were loaded on to
"Aizara" with their gear which included two roasted pigs.
Big swells all way back. With a heavy load "Aizara" rode
into them well. Fortunately the wind was not too strong
as to make them steeper.
9.45 am arrived Tufi after 1 1/2 hours.

G. G. Robbins

(G. G. Robbins)
Assistant Patrol Officer.

16

INTRODUCTION

This patrol was carried out purely to familiarize myself with as much of the Sub-District and its people as was possible in the time available. My posting from Pevandetta to Tufi was effective from 23rd May, 1970 and about this time the District's work boat "Ubuna" was beset with a number of breakdowns and faults so has been out of commission since my arrival. Thus the patrol was somewhat subject to the availability of a relief vessel "Aisara" hired by the Administration from a Pevandetta entrepreneur. Another time factor that brought the patrol to an early end was the need for my presence at Tufi for Sub-District Office duties.

Purposes of the patrol other than general familiarisation were as follows:-

- (1) Inspection of Cape Nelson Local Government Council projects which included well sites at Kawansasap and Aho and Agriculture shed at Berubona.
- (2) Check on shotgun permits. According to Sub-District Office records at 30th June, 1970, of 356 shotgun permits, 157 are expired.
- (3) Locate one Colin Burosovara of Aho in connection with a compensation claim for a foot injury received while working in Steamships Trading Company Customs shed Port Moresby. Tufi File 54-1-1, letter of 21st January, 1970 from Department of Labour, Boreko refers.

Although the seas at this time of the year (South-East trades) interfere with travel in this Sub-District, the patrol was fortunate in that times of travel coincided with periods of relatively low winds during which time the seas, although with big swells, were not whipped up into the fury of choppy waters that it can be here off Cape Nelson. A definite change in the seas was apparent either side of Spear Island. From Tufi to Spear Island there is no off-shore protection from the South-East trades but there are numerous bays and harbours (locally called fiords) where shelter can be found if needed. West of Spear Island to Lyke Ackland Bay the seas were calm. On this section of coastline there are a number of fiords as far as Aho.

The extremities of the fiord-like coastline are, roughly, from Aho, Lyke Ackland Bay, to Uwe, Collingwood Bay. These fiords are obviously products of past volcanic activity on the now extinct mountains of the Nelson Range - Mounts Trafalgar, Britannia, and Temeraire. The other volcanic areas in the Sub-District are Mt Victory (dormant) and Malowa volcano on the Eastern side of Goropu Mountains which last erupted in 1943, and the Sesegara Hills. (Vulcanology file 94-1-1 Tufi refers). No signs of activity on any of these mountains was seen while on patrol.

Mangrove forests and swampy coastal land commences from the mouth of the Coia River south of Uwe and continues around Collingwood Bay to Kawansasap near the Southern boundary of this Sub-District.

From Aho westwards the low lying mangrove forests which are found along the whole of the Lyke Ackland Bay coastline commence. Vegetation of areas visited varied from mangrove swamps to fig tree stands on the coast to grasslands on the foothills of the Cape Nelson area. The rugged hills behind Uwe are heavily timbered.

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SITUATION REPORT

SOCIAL

While there is no apparent antagonism or dislike towards the Administration and its officers, the impression gained while on patrol was that the attitude of the people is one of disinterest. There are no proposals for major economic development in the Sub-District and it appears that in the eyes of the people the Administration is here, in the main, to issue shotgun permits and settle petty disagreements. The villages are very small (Natukwaba is made up of one family - population 20) and this, combined with the scarcity of good agricultural land and the consequent need for every able-bodied person to assist in the daily chores necessary for survival, possibly explains why the people do not have the time to stand around and look at and yarn with the Patrol Officer.

No trouble was experienced in finding someone (usually the Councillor or Committeeman) to act as guide during inspection of villages and these men have some sort of pride in their villages. At Angorogo the people started to gather outside the rest house soon after sundown, saying they wanted to talk. After listening to the 7 o'clock National and Local news broadcast I asked them what their "talk" was about. It turned out that they had no troubles and they merely wished me to talk to them. Having no special talk for them, and feeling that Mr Lloyd Nolan, one of the District's Community Education Officers, stationed at Tufi would be better qualified to talk on detailed political topics when he makes his first patrol of the Sub-District thus forming a basis for questions and answers during future patrols by myself, I spoke to them about everyday topics. The harmful effects of excessive shooting of wildlife was explained to the people. There are 365 shotguns in this Sub-District with a population of 9935 - 1 for every 24.5 persons. The people here, as at other villages visited realize that shotguns are the cause of reduction in numbers of animals that are hunted in large numbers. (On this subject see Appendix 1). Although there were an average of three or four requests at each village for permission to purchase and own new shotguns, the only one granted was to a man at Sebaga who voluntarily handed his faulty shotgun to me for destruction. The faulty gun was brought back to Tufi and will be dropped in the sea.

Inspections in each village revealed that all shotgun permits are up to date despite Sub-District Office records showing 197 as expired. It appears that renewals have been issued but the office records have not been kept up to date.

I also spoke to the Angorogo people of the need to listen to the radio to keep informed on latest issues affecting their lives and the growth of their country. Although I did not know it at the time, the Australian Prime Minister's policy speech from the Papua Hotel was broadcast later that night and enquiries next morning indicated that the people of Angorogo had heard it on the village's one and only radio.

Diary 11th July, 1970 refers to the village of Sebaga as not far from the mouth of the Foru River. It would appear that the patrol actually stayed at Foru Mission and not Sebaga which is marked on maps as more than two miles from the mouth of the River. This was not realized during the patrol and no investigation was carried out to determine the real site of Sebaga. Patrol Diary 8th July, 1970 refers to an old site of the village of Pofosa on the first peninsular west of Spear Island (marked X on Patrol map) where a

stand of coconut palms was observed during the patrol. After returning to the Sub-District Office and consulting maps it was found that they all show Pofoma as being west of Spear Island but on the same peninsular (marked * on patrol map). In actual fact Pofoma is on the grassy hills behind Borubona separated from Ilamaroro by a small depression a few hundred yards in width.

Village houses are of the bush material, closed in, raised type of a size sufficient for one family per house. Village areas were found to be clean and tidy and the Borubona (Anisari Harbour) group of villages have good grass covered village squares. Village sites are governed by availability of water which is scarce on the coastal sections where the villages are established for reasons of travel - sea. A river mouth can be found near most village sites and water is collected on outgoing, almost low tides. Out of the villages visited, two are listed for wells as Cape Nelson Local Government Council projects. These are Kewansasap and Ako. Test holes dug by Public Health Department at Kewansasap produced salty water. There is no good site for a well. (See Appendix 2).

For some reason so far unknown to me and not on record at Tufi it has been decided to go ahead with the Kewansasap well and well liners are, in fact, waiting at Tufi wharf area for transport to Kewansasap. This places the officer responsible for supervising the installing of this well in the unenviable position of knowing before he even starts that the well has a good chance of being a failure. During my visit the Councillor there was of the opinion that a shed and rain water tank would be a better proposition.

The village of Sinapa is another site for a Council well, the liners for which are also on hand. It is on record at this office that this village is on a narrow strip of land which is very low indeed and is not suitable for sinking any well. (Appendices 2 and 3). Although I have not yet inspected this village myself, I am inclined to place more reliance on the report of a Health Inspector than on any subsequent observations of my own.

Letter of 5th May, 1966 on file 39-5-0 (Appendix 4) lists Ako's source of water as (a) Swamp (b) River (Kopwei) (c) 1 1/2 hours paddle by canoe and gave "special priority" to the need for installation of a good water supply as the "present water supply appears unhygienic". The water brought to the patrol at Ako was so bad that I went without liquid, apart from one coconut, for the whole of one day. (See diary note on 6th July, 1970.) This water was obviously collected from the swamp. On the other hand, water from the mouth of the Kopwei River on the outgoing tide was the freshest collected during the whole patrol. This river is about 1 1/2 hours return paddle from the village. Was unable to establish whereabouts of source (c). Well liners for Ako are on hand at Tufi. Installation of this and other wells will be carried out as soon as the liners and necessary materials are on the site and an expert fitter is available. (Refer Appendix 5).

Practically no rubbish holes were seen despite repeated instructions issued to these people in the past by the Health Education Officer. Latrines exist but it is difficult to determine the extent to which they are used. At Ako it was noted that people regularly went behind rocks on the headland to the west of the rest house and after a few minutes interval returned to their houses. I did not investigate what was behind these trips but strongly suspect the headland is being used as a toilet. Kewansasap has latrines built on stilts over the beach between high and low tide water marks. According to the village book these people were

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instructed to build these toilets some years ago. My opinion is that the idea, at least at this village, is not very hygienic. The sea off this village is only a few inches to feet deep for some 50 yards off shore and being a small bay there appears to be insufficient currents to carry deposits away. Should these deposits actually be washing up on the beach they would become lodged in the piles of sea weed (a few inches deep) and remain there until the next storm. On the face of it, this seaweed alone which harbours millions of sea flies appears to be a health hazard. Should it be advantageous to these people the Councillor could propose to the Council the clearing of the weed be a worthwhile project.

Five complaints were brought to the patrol. The first was at Sebaga (or Foru Misalon) where a man complained that his wife deserted with a Foru 2 man. This matter was settled without the necessity of a court hearing on agreeing that the Sebaga man is entitled to receive from the Foru man four pigs, the bride price originally paid.

While at Sebaga Constable I/C Peter Kanig, B.P.N.G.C. walked in to Foru 2 to investigate a report of fighting in the village. The men responsible came to Sebaga the morning the patrol planned to depart expecting a census. On hearing that they would be going to Tufi for a Court hearing (I am not qualified to hold Court) they stated that they would need three days to return to their village to collect sufficient food for the long trip. Constable Kanig was left in charge of them and the patrol resumed its way. Constable rejoined the patrol at Berubona on the fifth day after it departed from Sebaga. All the men involved in the fight, apart from the so-called "ringleader" who was reported to have fled up the Kusa River, were safely brought to Tufi under the guidance of Constable Kanig. On the 14th July, 1970 these men were imprisoned for two months after a Court hearing by the Assistant District Commissioner, Tufi.

While at Berubona a woman complained that she had been insulted by a man when she attempted to speak at a Committee meeting. The man involved was given a lecture on good manners and told to refrain from using abusive words in the future.

A man from Kato Kato approached the patrol while on canoes between Tumari and Sinei complaining about a "wantok" (one who speaks the same language, a neighbour) from Berubona who owes him \$16.00. This man was told to go to Tufi and take out a summons.

At Sinei all the village people assembled outside the rest house claiming that an old man and woman are causing sorcery on the gardens. I did not have sufficient time myself to look at the gardens, which are on the other side of the fiord, however I told them that their crops are failing because of some natural cause and I would send the Agricultural Officer out to advise them. The Agricultural Officer went to Sinei on Monday 23th July, 1970. On his return he reported that the plants are dying from lack of water. He dug to a depth of about 10 inches and there was no moisture in the soil. A soil sample was brought back to Tufi. This soil is very dry and lumpy. Despite my warnings that there was to-be no more talk of sorcery, the Agricultural Officer reports that some of the people still believe that sorcery is the cause and they have a gourd with "some things" in it which they might bring in to me. Good taro and sweet potato were brought to the Agricultural Officer while he was there and while I was there a man offered about half a dozen good pawpaws for sale. It appears that these people have other good gardens further inland in the bush in the hills and it

12

is only their close-by gardens on the opposite peninsular which are affected by the drought. Rain has fallen at Tufi between Wednesday 15th and Friday 17th July (253 points). Sinei should have received similar falls possibly relieving these people of their problem.

All rest houses are in good positions and reasonable condition. Sandflies were the only thing that made a stay in some of the rest houses uncomfortable. This was especially so at Sebaga, Barison, and Gobe. Sandflies were very bad on and near the beach at Kawansasap but the rest house is built back from the beach in a grassy area and is not affected.

No trouble was experienced in hiring canoes and paddlers. However, with villages of such small proportions, there was an ever present fear that the patrol would reach one point to find that there would not be enough paddlers readily available for the journey to the next point. Travel times were of sufficiently short periods (see Diary for details) to allow the paddlers to return to their village the same day. Strong winds and rough seas have an influence on travel times in the seas here depending on whether you are going with it or against it.

Aid Posts and schools were not closely inspected so no comments can be validly made in this report. I had intended to look over the Administration School at Sinei on Friday 10th July before returning to Tufi that same afternoon however the school holiday declared by Prime Minister Gorton for that day prevented this. Despite my listening to the radio every night I knew nothing of this holiday until the morning of the holiday. "Aizara" unexpectedly came early morning and as the Sinei teachers have to go to Tufi to collect their pays and it being a holiday for them, combined with the knowledge that the seas become too rough for travel in the afternoon, it was decided that the patrol be called to an end.

Similarly Mission establishments were not looked at closely. A cemetery at Berubona Anglican Mission is kept neat with colourful shrubs throughout. Compared with Popondetta's public cemetery, which has about twenty graves, this Mission one is relatively large - about fifty graves. The Anglican Mission is the only one present at the villages visited.

Clay cooking pots were noticed at Gobe and it was first thought that these may have been traded from the Wanigela people who are well known here for their "Wanigela Pots". A track of one days walk or two days comfortable walk through the gap between Mt Victory and Mt Trafalgar connects Wanigela with Gobe and Ako. On enquiries being made it was learnt that the Gobe and Ako people have good clay of their own and they make the cooking pots themselves.

ECONOMIC

There are five trade stores in the Anasari Harbour group of villages. Three of these are in Berubona. Berubona was an Agricultural Extension Centre and the people in this area appear to be agriculturally minded. I was under the impression that an Agricultural Assistant was still stationed there. On checking at Tufi I learnt that the Agricultural Assistant has resigned and now operates a store at Berubona. This retired Agricultural Assistant runs a good store and seems to have retained a keen interest in agriculture which is passed on to the village people. No doubt, constant Agricultural patrols from Tufi to this area will help maintain these people's interest.

Coffee is grown inland from the Berubona villages, however this patrol did not inspect them. The patrol did walk in to Fofona and Ilanororo which are on the hills behind Berubona. These hills are covered with grass and could be used for raising cattle. Roads radiating from a sea port near Berubona could be constructed to serve village cattle projects. Small village populations seems to be the only thing not in favour of economic development in the Sub-District. Some clumps of *Lantana* (a pest in Australia) were seen on these hills. *Mimosa* weed is also present.

Garden produce is usually only sufficient for the people's own needs. The only outlets for any surplus are the markets at Tufi and Popondetta both of which are long distances away from many villages. The rough seas at this time of the year also prevent travel to and from the markets.

Copra and crocodile skins are the main income producing items, crocodile skins being of more interest to buyers than is copra. Crocodiles are becoming harder to find because of large numbers having been shot out over the past years.

Good stands of forests cover the mountains. There are no populations on these mountains and they are used only for hunting and some gardens. Inaccessibility prevents exploitation of any good timber that may be on the mountains.

Potential exists in the Sub-District for timber, fishing, and tourist industries. The necessary capital and work force are lacking at present.

The only crown land seen on the patrol was that at Uwe (D.A. 1222, 7502 acres). To the West this land is very rugged and timbered and to the South it is low and swampy in parts. Mr A.E. Cridland has a lease (LA 1642) over 800 acres of this land to the North-East. The village of Uwe is within the boundaries. To the South-East a number of village people have applied for blocks over land on which they have been squatting and have planted coconut trees. These people have been waiting since 1967 for Government action and it appears that they are now waiting on Lands Department surveys. (Appendix 6). This land was purchased in 1917.

POLITICAL

The Member of the House of Assembly for this area, Paulus Arek, seems to be losing popularity among his people because, as the people expressed it, of the lack of visits by him to villages in his ward. It was explained to the people that Mr Arek has been very busy with House of Assembly work, particularly on the Select Committee for Constitutional Development which visited Tufi not long ago.

Mr Gorton's policy speech from a dinner at the Papua Hotel, Port Moresby was heard by the Angorogo people however no questions or comments were forthcoming next morning, or for that matter, from any of the villages subsequently visited.

As mentioned earlier in this report it was felt that more could be gained in the way of political education after Mr Nolan has patrolled in the Sub-District and given detailed talks on political matters. After this has been done some general discussions can be prompted by myself on future patrols when, it is hoped, more time will be available.

CONCLUSION

This was a familiarization patrol and as such only general observations were made. Thus more detail appears in this report under the heading "Social". Economic and Political aspects will be treated more fully in Area Studies to be conducted by myself later this year.



(D.C. Robbins)
Assistant Patrol Officer.

38-4-1

Department of District Administration,
Sub-District Office,
TUPI.
Northern District.

29th October, 1956.

Assistant District Commissioner,
TUPI.

APPLICATIONS FOR SPECIAL ARMS PERMITS

During the recent patrol to the Dyke Auckland Bay C/D some sixty-four (64) applications for Special Arms Permits were taken.

At the moment there are approx. 50 shotguns held in the division, a large proportion of which are used in crocodile hunting. The patrol was informed that crocodiles are becoming harder to find and in addition the lack of birdlife was very obvious. The local populace state that one species is virtually extinct and it is due solely to the large number of guns in the area. Yet the requests for new guns flow thick and free.

Originally shotguns were issued on a basis of 2 guns per 100 people. (This would mean 35 guns for the present population). The purpose of these guns was to provide fresh meat for village people. This was later modified to permit selected individuals to engage in professional crocodile shooting.

These people are very keen to own shotguns as they seem to think that the ownership of a shotgun has some magical power and that the possession of the gun will open the treasury doors so to speak. In addition it seems to be a status symbol and to be of any account in the village, ownership of a shotgun is mandatory.

With the foregoing in mind and considering the scarcity of game in the area, together with the number of guns already in the area it is felt that none of the applications taken can be considered for approval.

(R.W. Webster)
Assistant District Officer.

District Commissioner.
POFONDETTA.

For your information, please.

(R.J. Payle)
a/Assistant District Commissioner.

Department of Public Health,
POPONDETTA,
Northern District.

17th October, 1967.

The Regional Medical Officer,
Dept of Public Health,
P.O. Box 1630,
BOROKO.

Through: District Medical Officer, Popondetta.

Subject: WELLS - TUFU

A general inspection of wells was carried out, and the areas where the wells should be constructed. The inspection was made from 10/10/67 - 13/10/67. The village wells inspected were as follows:-

1. LILIAO VILLAGE - In this village, the people are getting their water from unprotected spring. They do their washing and bath down below, away from the source of supply. The water is quite satisfactory for drinking. It is not suitable for use as a water supply for a large community, as the quantity of water yielded by it varies according to the season.

There are few people living in this village and they get enough supply of water from this spring. It is few hundred yards away from the village, and free from domestic animals. However it is advisable to have a fence around it to keep away any animal that comes into this area. It is kept free from pollution of any contamination of the surface or subsoil from cultivation.

Since this is a source of supply for drinking water, I wish to advise that every effort must be made to prevent pollution during collection. It is not sufficient to make a hole near the spring and to scoop up the water from this. It may be constructed of stone or brick in cement mortar, or it may be constructed of concrete. The wall or dam should be watertight. Some arrangements of pipes should be used, so that the water may enter the collecting vessel.

WAIGU VILLAGE - This village is situated at the side of the road which leads to Wanigela strip. It is in this village that the well has been dug. The well is situated on a good site and is few yards from the main road. At present, people are using the water for washing purposes only and not for drinking. They get their drinking water from the creek. The colour of the water is changed due to contamination of surface run off. At the time of inspection, the water was found to be 3 feet deep from the bottom of the well. The council has informed us that this well is going to be constructed properly to supply the people with good water.

ORER SAN VILLAGE - The village is situated on the narrow strip of land on the beach. The site is not suitable for construction of well. The land is very low and is always run over by the sea. The site was previously tested to find out the water level below the surface. It was found that water level was 3 feet from the ground surface. At the time of inspection it was found that the test hole had already been covered up. There are mangrove swamps at the back of the village. On the other side of the village there is a river which runs very close to the village. The people are now using this river water which is very unsatisfactory. Since there is no means of good water supply in this village, the council has been informed that a well should be constructed here to supply water for the people in the village.

SINAPA VILLAGE - In this village there is no land available for construction of the well. The village is situated on the narrow strip of land which is very low indeed and is not suitable for sinking any well. There is a mangrove swamp at the back of the village and where the sea breaks is the foreshore.

LAKO VILLAGE - In this village a well is dug to a depth of 8 feet. It is situated on a suitable site. The colour of water is changed a bit at the time of inspection. This is due to contamination of surface run off. People are using the water for various purposes. It is quite satisfactory water and if it is properly constructed it could provide plentiful supply of water for the villagers.

KEWANSASAP - The well site was previously inspected in this village. A test hole dug about 50 yards from the beach. The water was found to be salty. The test hole has now been covered. People are getting their water from the rivers. One runs close to the village and another one is a little distance from the village. These river waters are usually mixed with salt water and is very unsatisfactory supply of water. There are swamps at the back of the village. A council has been informed that another visit will be made to this village to find a suitable site for construction of a well.

REMARKS:

The above-mentioned wells have been sunk in the sandy soil and as well as those sites chosen for the construction of wells. These wells are sinking through the earth stratum only. The water in these wells is liable to contamination of surface run off. I would like to advise that in order to prevent contamination of these shallow wells, the following measures should be taken.

- (1) A well should be as far as possible from and at high level than all likely source of contamination.
- (2) An impervious lining of brick work in cement mortar or concrete should be provided from a point a little below the water level to about a foot above the water level of the ground.
- (3) Top of the well should be covered with concrete, and in addition, should be provided with a concrete surround. The water should be drawn by a pump. The depth of the well should not be less than 10-15 ft. The councils in this area will be responsible for the construction of wells in the villages.

S. IVORA
HEALTH INSPECTOR

cc. D.S. Popondetta
A.D.C. Tuffi

6

FMA.EM

65-6

Department of Public Health,
POPONDETTA.
Northern District.

20th October, 1967.

The Regional Medical Officer,
Regional Headquarters,
P.O. Box 1630,
BOROKO. Port Moresby.

Subject: A REPORT ON VISIT TO TUFU
FROM 10/10/67 - 13/10/67

PURPOSE: To see Water Wells in the Cape Nelson and Collingwood Bay Council Area.

PARTICIPANTS: Mr S. IVORA, Health Inspector accompanied.

.....

11/10/67 At 1.05 pm we headed for Kewansanap and by this time wind had started to blow and the seas were rough. We sailed on and at 3 pm we called in at Sinapa village.

We went with the hope of selecting a suitable site for the well, however, when we got there we were told that there wasn't a site available for the purpose because immediately at the back of the village is a huge swamp and right at their door steps is the sea. In fact, at some places the land had narrowed considerably and the chances of sinking a well is poor because in high seas the waves would surely sweep through these narrow strips of land. People are satisfied with their present system of cart their water from the river.

.....

Signed:

F.M. AISI
a/DISTRICT MEDICAL OFFICER.

cc. ADC Tufu
DC Popondetta.

39-5-1

Sub District Office,
TUFU, Northern District.

5th May, 1966.

The Assistant District Commissioner,
Sub District Office,
TUFU.

SURVEY OF VILLAGE WATER SUPPLIES.

The Director's 36.1.4 of 29th December, 1965,
para. 3 refers.

LOCATION. Cape Nelson Census Division
Tufu Sub District
Cape Nelson Council Area.

<u>VILLAGE</u>	<u>POPULATION</u>	<u>PRESENT WATER SUPPLY</u>	<u>PRIORITY</u>
(1) KOJE	143	(a) Creek (Sefoa) (b) Creek (Gambenawda) (c) 2 Miles (difficulty dry season only)	Required now
(2) FORDUMA 1&2	162	(a) Creek and well (b) " " " (c) Next to village (good all year round)	Nil
(3) KASIAWA	53	(a) Creek (Kasiawa) (b) Creek (Inawa) (c) 1½ hrs by canoe (difficulty in dry season)	Required now
(4) KANAVUTU	32	(a) Creek (Iais) (b) " " (c) ½ hrs paddle by canoe (good all year round)	Nil
(5) BEXOIANA	75	(a) River (Foute) (b) " " (c) 200 yds (good all year round)	Nil
(6) KIKITA	37	(a) Creek (Kikata) (b) " " (c) 200 yds (good all year round)	Nil
(7) KORUWE	77	(a) Creek (b) " (c) 200 yds (good all year round)	Nil

<u>VILLAGE</u>	<u>POPULATION</u>	<u>PRESENT WATER SUPPLY</u>	<u>PRIORITY</u>
(8) TENIARU	58	(a) Creek (b) River (c) 1 hour paddle by canoe (difficulty in dry season)	Required now
(9) SINEI	72 and school boarders Gevet boarding school,	(a) Creek (b) River (c) 1 hour paddle by canoe water serious problem in dry season.	Special Priority
(10) TUMARI	88	(a) River	Nil
(11) KATOKATO	55	(b) " (c) Next to village (good all year round)	
(12) BNRUBONA	130	(a) Creek (b) " (c) 200 yds from village (good all year round)	Nil
(13) FOUNA	70	As above	Nil
(14) NATUKWABU	23	" "	"
(15) FOPOMA	45	" "	"
(16) ILAMARORO	28	" "	"
(17) KAFARURU	34	" "	"
(18) BAMBITI	60	" "	"
(19) ANGOROGO	67	" "	"

LOCATION

Lyke Auckland Bay Census Division T881 Sub-District
Cape Nelson Council Area.

<u>VILLAGE</u>	<u>POPULATION</u>	<u>PRESENT WATER SUPPLY</u>	<u>PRIORITY</u>
(1) AKO	108	(a) Swamp (b) River (Kopwei) (c) 1 1/2 hrs paddle by canoe (Possible special priority, present water supply appears unhygienic)	Required now
(2) GOBE	173	(a) River (Gobe) (b) " (c) 400 yds (good all year round)	Nil
(3) MAPUIA	69	(a) Creek (b) " (c) 100 yds (good all year round)	Nil
(4) KARUAKU	46	As above	Nil
(5) TUMINA	44	<u>As for AKO above</u>	

.....3/

<u>VILLAGE</u>	<u>POPULATION</u>	<u>PRESENT WATER SUPPLY</u>	<u>PRIORITY</u>
(6) KARISOA	88	(a) River (b) " (c) 200 yds (good all year round)	N11
(7) FORU	127	As above	N11
(8) SIBABA	83	" "	"
(9) BENDOROLA	32	" "	"

For your information please.

(J.M.F. VISSER)
Assistant District Officer.

39-5-0/2

Department of the Administrator,
Division of District Administration,
Sub-District Office,
TUPI, Northern District.

29th January, 1970.

The District Commissioner,
Northern District,
District Office,
POPONDETTA.

Village Water Supplies

.....

I have been informed that the installation of fibre glass wells is a rather tricky business needing more care than that required for the ordinary concrete well. Rather than having nothing to do in this area perhaps the officer from Local Govt. Engineers Office can instruct council staff in correct methods of construction.

.....

C.C. Vass
Assistant District Commissioner

11th February, 1970.

The Assistant District Commissioner,
Sub-District Office,
TUPI.

Your memorandum 39-5-0/2 dated 29th January, 1970 refers.

.....

When you are ready to start work I suggest you contact the Assistant District Commissioner, Popondetta and he will put the Council in touch with a person skilled in the construction of fibre glass wells.

(W.J. Johnston)
s/District Commissioner.

APPENDIX 5

COPY

35-4-2
JD.KA

Division of District Administration,
Dept of the Administrator,
TUEI.

1st December, 1969.

District Commissioner,
District Office,
POSONDETTA.

CROWN LAND USE.

Herewith eight applications for land contained in the above. The total number of applications is now nine. You will note I have not made any estimation of the block sizes as this would have to be worked out if a survey is eventually done. Apparently some effort has been made by the interested parties to mark out area they will require and keep them separate from each other. It is felt that yet more applications will be made in the future as interest is running high among the people adjacent to the area.

These people have a scarcity of good land being Cape Nelson villagers and if some sort of "block" scheme could be brought about on the crown land it would be of benefit to the area.

For your information, please.

(J. Duffield)
Assistant District Commissioner.

P.S. A visit to the area and physical walking of the boundaries would have to be done to ascertain the areas of the various blocks. These areas will not be uniform and I think at this stage not much would be gained by finding out what they are. If a block system was commenced, no doubt the blocks would be made a uniform size (20 to 30 acres).

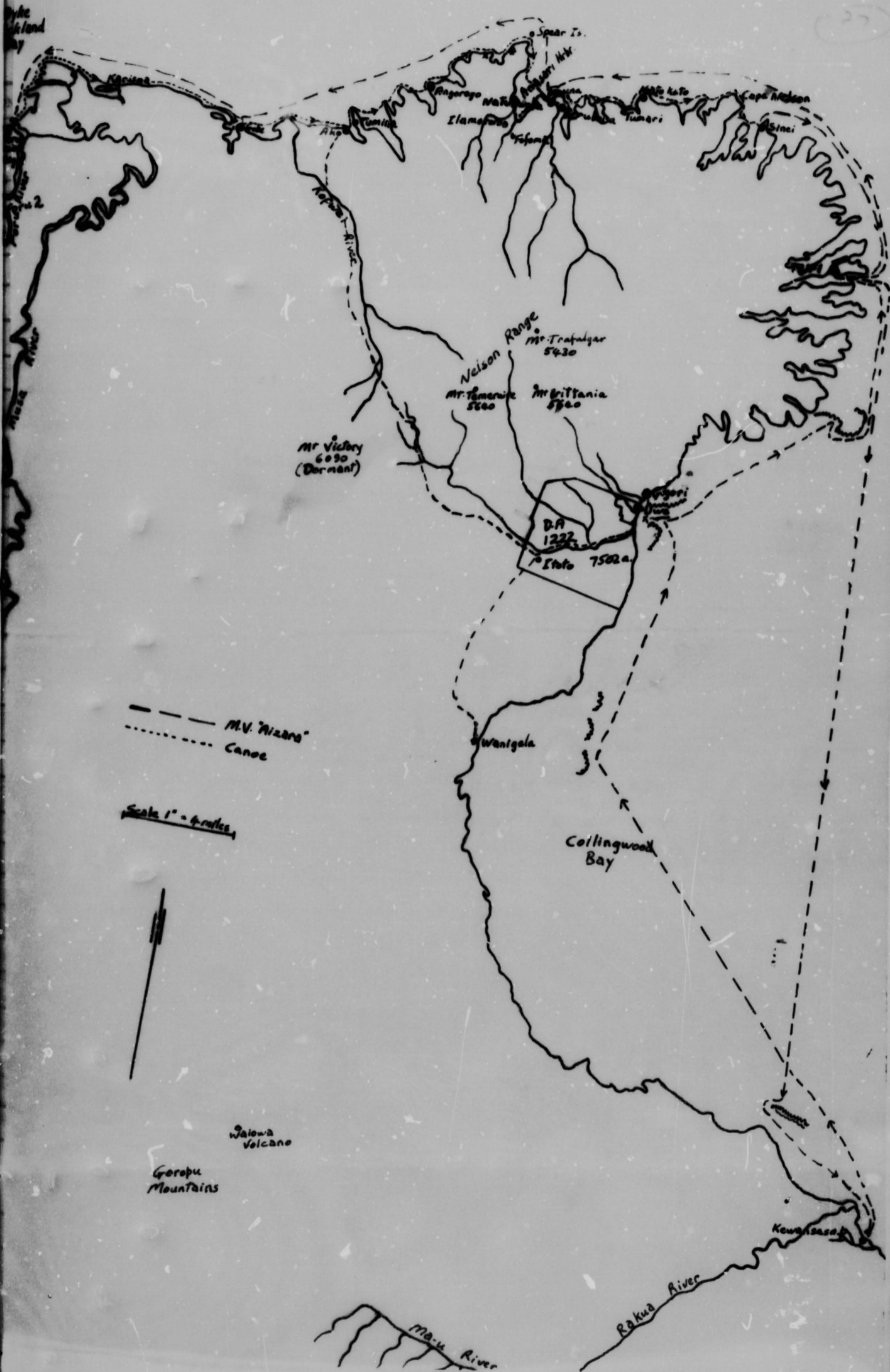
35-6-4B

ABC Tufi:

Lands (Pop) have delineated external boundaries of DA 1222. They have requested their headquarters for further instructions.

(W.J. Johnston)
a/District Commissioner.

DHQ Ref: 35-6-4B
6-2-70.



Amount Returned to Store

HQ



TERRITORY OF PAPUA AND NEW GUINEA

PATROL REPORT

District of NORTHERN Report No. TUPI No 2 of 1970/71

Patrol Conducted by D.G. ROBBINS, A.P.O.

Area Patrolled DYKE ACKLAND BAY CENSUS DIVISION

Patrol Accompanied by Europeans NIL

Natives Randolph Gagal, Interpreter; Senr Const Nohoro; Consts 1/C Iana and Avia, RPNGC
Duration—From 12/9/1970 to 13/10/1970

Number of Days 32

Did Medical Assistant Accompany? No

Last Patrol to Area by—District Services 7/9/1969
to

Medical 24/11/1969
(Broken - 51 days)

Map Reference Sketch map attached

Objects of Patrol Census, Area Study, and routine Administration

Director of District Administration,
PORT MORESBY.

Forwarded, please.

26/11/1970

District Commissioner

Amount Paid for War Damage Compensation \$..... None Study done

Amount Paid from D.N.E. Trust Fund \$..... ml

Amount paid from P.E.D.P. Trust Fund

HRD:HC

67-5-6

Division of District Administration,

KONEDOBU. PAPUA

3rd December, 1970.

The District Commissioner,
Northern District,
POPONDETTA.

TUFI PATROL NO. 2/1970-71

Your reference is 67-1-1 of 25th November,
1970.

I acknowledge with thanks receipt of Annual
Census, Area Study and Situation Report by Mr. D.G.
Robbins, Assistant Patrol Officer, of the DYKE ACKLAND
BAY Census Division.

An informative and well presented report
adequately covered by your comments and those of the
Assistant District Commissioner, Tufi.

Mr. Robbins has given a thoughtful account of
the present situation in the area and produced a valuable
area study.

The census figures will be further commented on
under separate memorandum.

T.W. Ellis

(T.W. ELLIS)
Departmental Head.

C.C.
Mr. D.G. Robbins,
Assistant Patrol Officer,
Sub District Office,
TUFI. Northern District.

67-56

(46)

TERRITORY OF PAPUA AND NEW GUINEA.

Ref: 67-1-1

Division of District Administration,
Department of the Administrator,
POPONDETTA. Northern District.

25th November, 1970.

The Departmental Head,
Department of the Administrator,
KONEDOBU.

TUFI PATROL REPORT NO.2 OF 1970/1971
DYKE ACKLAND BAY DIVISION.

Please find herewith a Patrol Report and Area Study of the Dyke Ackland Bay Division prepared by Mr. D.G. Robbins, Assistant Patrol Officer together with covering comments by Assistant District Commissioner, Tufi.

Considerable interest was aroused among the people of the inland area in the Embessa/Kakasa group last year when, on the instruction of the Land Development Board, an ownership investigation and survey of some 9000 acres was completed with a view to alienation and the development of a cattle industry; early in 1970 the Land Development Board reversed its decision - this decision has not been widely bruited because there is the distinct possibility that official interest will be revived in the light of (a) the Musa Hydro scheme and (b) possible mineral development in the Didana Range - either of which will provide road access to the general area. The area investigated for alienation has a resettlement potential and could be used to accommodate some of those families who will be displaced by the eventual flooding of the Musa Basin. Should there be mineral development in the area, this in itself will enhance the local marketing aspects of a small holder's cattle industry.

Whilst on the face of it the controlled flow of the Musa River can only be advantageous in that it will make available a vast area of land for development now classified as swamp, Mr. Robbins' point is taken that surveys should extend beyond those of an engineering nature and embrace the study of possible ecological change.

In the long term the future of the Lower Musa depends upon the exploitation of the Hydro potential of the area and the side effects of such a development - notably good communications and the innumerable effects which flow therefrom.

In the short term it would be worthwhile sending a powered dinghy upstream to determine the point of practical navigability. In view of the particularly limited production from existing mature plantings it should be feasible to arrange for produce to be ferried to that point and Co-operatives and D.A.S.F. buy on the spot.

45

Assistant District Commissioner, Tufi is currently patrolling the coastal sector of the Division and upon his return should be in a position to take the necessary measures to alleviate marketing problems currently experienced by the coastal villages using available local resources.

The District Commissioner,
Northern District,
Lagos State.

(D.R. Marsh)
District Commissioner.

Approved and sent to the Director of the Division by the District Commissioner, Northern District, Lagos State, on the 15th day of August, 1961.

- a) Mr. Tufi has conducted a patrol with his staff in the coastal area and the report on this and other matters presented.
- b) The District Commissioner, Lagos State, would probably wish to be kept advised of any developments in the coastal area, and the District Commissioner, Northern District, Lagos State, would be pleased to supply any information requested.
- c) The District Council has a meeting on the 15th day of August, 1961, and the District Commissioner, Northern District, Lagos State, will be attending this meeting. The District Commissioner, Northern District, Lagos State, will be pleased to supply any information requested.
- d) The District Council has a meeting on the 15th day of August, 1961, and the District Commissioner, Northern District, Lagos State, will be attending this meeting. The District Commissioner, Northern District, Lagos State, will be pleased to supply any information requested.

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67-1-2

Sub-District Office,
T U F I .

2nd November, 1970.

The District Commissioner,
Northern District,
POPONDETTA .

AREA STUDY

TUFI PATROL REPORT NO.2/1970-71

Attached please find three (3) copies of the abovementioned Area Study which was conducted by Assistant Patrol Officer Mr. D.G.Robbins of this office. The officer's claim for Camping Allowance is appended for your signature and onforwarding for payment.

2.

To comment on the patrol :-

- a) Mr. Robbins has conducted a patrol which has met the objectives given him. His report is lucid and quite well presented.
- b) The Dyke Auckland Bay Census Division could probably best be described as an economically depressed area, hence the negative nature of information pertaining to economic development. There seems little chance of this state of affairs changing perceptibly until reliable channels of communication to and from the area are established.
- c) Cape Nelson Council has a Standing Committee for Economic Development and through this body Council will be approached regarding the feasibility of providing their powered dinghy to collect coffee from Embessa and other points within the census division. Such a scheme would not be unlike that which collecting coffee from Waiwa and copra from Pongari in the neighbouring Oro Bay Council Area. I envisage some reluctance on the Council's part to provide such a service free, but the generally depressed economy of the area and Council's neglect if it to date should prove strong arguments to those in favour of the introduction of such a scheme. A compromise to any eventual conflict of "free" versus "fully paid" blocs within the Council might be the imposition of a token percentage of the purchase price of the crops transported, merely to reduce Council's operating costs.
- d) Council's neglect of the area is very real, but at the same time it is hard to see what can be done to improve the lot of these people. Just as poor communications frustrate economic developmental activities, so will they (together with the paucity

of population) frustrate any attempt by Council to launch large-scale projects within the area. What appears more realistic is the undertaking of a number of relatively small and easily managed village improvement schemes, the provision of coffee pulpers, polythene sheeting for coffee drying racks and rain shields, chain wire pig-fences (for domestic pigs) where applicable, a coffee collection service and so on. The Needs List called for in the Patrol Instructions will be put to Council at its next meeting, with the suggestions outlined above, and it is hoped that this will precipitate more thought on a systematic programme for area improvement.

3.
please.

For your comments and onforwarding to Headquarters,



(L.F.NOLAN)
Assistant District Commissioner

Division of District
Administration,
Sub District Office,
TUFI. Northern District.

27th October, 1970.

The Assistant District Commissioner,
Sub District Office,
TUFI. Northern District.

PATROL: TUFI No 2 of 1970/71

DIARY

- 12th September Saturday.
9.00 am left Tufi by "Ubuna" with Tufi school children for Oro Bay en route to Popondetta for choir festival. $\frac{1}{2}$ hour out of Tufi rough seas let up a little. Big school of porpoise here and again just past Spear Point where the seas were quite calm.
4.30 pm arrived Oro Bay. Vehicles took children to Popondetta. High tide now but too late to go back to Karaisa as it will be dark when we reach the Yapuri River.
Slept Oro Bay.
- 13th September Sunday.
1.05 pm departed Oro Bay by "Ubuna".
Carabou flying over towards Tufi.
3.35 pm, after spending $\frac{1}{2}$ hour looking for entrance channel, proceeded up Yapuri River. Extensive Nipa palm bordering banks. River very narrow last $\frac{1}{2}$ hour.
4.50 pm arrived Karaisa. Unloaded gear to rest house opposite side of river to S.D.A. Mission.
"Ubuna" returned to Oro Bay.
Slept Karaisa.
- 14th September Public Holiday - National Day.
7.55 am departed for Moiaivi via Badaide with a minimum of gear, leaving the rest at Karaisa.
9.45 am arrived Badaide. Stopped for a rest.
10.20 am on the track again.
11.50 am arrived Moiaivi.
PM talks with Councillor Tauba and Committee about the need for economic development in this area and collecting information for area study.
Slept Moiaivi.

- 15th September 7.30 am left for Momoiogo. Passed through very good gardens, fenced to keep pigs out, for about 10 minutes out of Moiavi. Track very sticky for first $\frac{1}{2}$ hour to Sauwavi school. Good gardens and about 150 new coconut trees here.
10.00 am arrived Momoiogo.
Revised Census and collected information for area study. Listened to some minor complaints of a family nature.
1.25 pm departed for return trip to Moiavi.
4.20 pm arrived Moiavi.
Slept Moiavi.
- 16th September 8.00 am revised Census for Moiavi.
9.05 am departed for return to Karaisa.
10.40 am arrived Badaide and revised Census. Mainly old people in this village. As in other villages visited spoke on large number of tax defaulters and consequent need for economic development.
12.00 midday departed Badaide.
2.00 pm, after heavy rain for last $\frac{1}{2}$ hour which made the track very wet, arrived Karaisa. Attended to shotgun permit renewals, trade store licence renewals, and collected some tax from people in this area.
Slept Karaisa.
- 17th September Attended to paper work.
10.00 am revised census and gave talk at Karaisa. PM. collected information for area study and listened to various minor complaints.
Early evening, crayfish being caught from river. Mullet can be seen jumping in this river.
Slept Karaisa.
- 18th September 8.00 am departed Karaisa by canoe powered by outboard. After proceeding up the pit-pit lined Yapuri River for $\frac{1}{2}$ hour came to a rapid which was negotiated without the outboard as was the swamp which commenced immediately upstream from the rapids. Abundant and varied bird life in this swamp area.
9.00 am alighted at the upper end of the swamp. After a perilous 10 minutes treck through floating strands of pit-pit reached a hunting track in the forest. Joined the main track from Karaisa on which the carriers travelled with the patrol gear just before Gombara.
10.15 am arrived Gombara which is in the Popondetta Sub District.
11.15 am arrived Sariri. Good stands of a particular big tree are growing in the forest beside the Barige River. Sariri is also in the Popondetta Sub District.
12.15 pm arrived Kinjaki in the Tufi Sub District. Passed through eucalypt forrest and grasslands on the way. Kinjaki is surrounded by thickly forrested hills which make a good scene. A clear gravel-bed creek flows beside the village. Steady rain has fallen all day since we left Karaisa so afternoon spent drying out.
Slept Kinjaki.

- 19th September Saturday, S.D.A. Area - no work done.
 AM. Inspected coffee gardens on other side of creek. Had a good swim in a pool upstream a little. Afore Malaria team arrived Kinjaki.
 PM. Stiff 15 min climb up a hill to S-E of village. Good 360° panorama of lower Musa and mountains behind. Legend as to origin of man here is that the people came out of a hole in the ground on top of one of the hills, however it was not this hill. There are an number of forested hills rising like monoliths from the flat swamp and grasslands of the Musa River.
 Slept Kinjaki.
- 20th September Sunday.
 AM Census revised Kinjaki.
 Collected information for area study.
 Listened to various minor complaints and gave short talks on Council work, trade store debtors, etc.
 Renewals of shotgun and trade store permits attended to.
 PM rested.
 Slept Kinjaki.
- 21st September 7.20 am departed Kinjaki, walking through areas under new coffee for first 15 minutes.
 Track passes around and over hills bordering large swamp. A number of steep hills with the track straight up and down. Good drinking water had about 1/2 and 3/4 way to Korala.
 12.30 pm arrived Korala. Track only hunting standard.
 PM revised census and collected information for area study. Shotgun renewals. No trade store.
 Finished work 6.00 pm.
 Slept Korala.
- 22nd September 7.20 am departed Korala with most of the carriers from Kinjaki and some new ones from Korala.
 Track is flat, passing through lowland rainforest. Some sticky sections and many tree roots over track.
 11.55am arrived Kakasa, exhausted and wet from rain.
 PM rested.
 Slept Kakasa.
- 23rd September. Conducted census and collected material for area study Kakasa. Tax collected and shotgun renewals attended to. Settled a matrimonial dispute involving Committee man from Kinjaki and a woman pregnant to him at Kakasa.
 About 2.30 pm saw Carabou fly over towards Safia.
 Slept Kakasa. Big wallaby shot by Corporal.
- 24th September 8.35 am departed Kakasa. Very good track, flat, no stones or roots.
 9.50 am arrived Ovesa. Village has a park like appearance. Revised Census and collected material for area study Ovesa. Renewals of shotgun and trade store permits attended to. Men here complained about paying tax and getting nothing for it.

- 24th September cont
 11.50 am departed Ovesa. Still a good track.
 A number of creek crossings - some partly swamp.
 1.25 pm arrived Embessa on the Musa River.
 Paid carriers recruited from Kinjaki, Kakasa, and Korala.
 4.40 pm saw Pilatus Porter fly over towards Wanigela. Heard another 2 planes earlier this afternoon.
 Slept Embessa.
- 25th September
 Day spent on catching up on paper work.
 People are away from village collecting food in preparation for tomorrow, their Sabbath.
 Late afternoon, men returned with hornbills, a small cassowary, and other birds shot in the forested hills to the West of the village.
 Mosquitoes very bad at night here.
 Slept Embessa.
- 26th September
 Saturday. S.D.A. area so no work done.
- 27th September
 Sunday.
 Census revised and collected information for area study for Embessa and Taruma.
 Inspected Embessa village and old airstrip.
 Attended to shotgun permit renewals and collected some Council tax.
 Only complaint here is that they have no means of raising money to pay their tax, marketing being the problem.
 PM rafts constructed for tomorrow's trip to te Gugumu.
 Overcast day today so collected rain water - a pleasant change from the muddy Musa water.
 By 5.45 pm 10 rafts were finished - after 3 hours work by men.
 Slept Embessa.
- 28th September
 7.20 am departed Embessa by rafts on Musa River. Heavy rain last few days so river is in a small flood. Current estimated at up to 10 knots. Banks broken in places.
 9.10 am stopped and inspected Taruma, 10 minutes walk from river.
 9.40 am set off again on rafts. Current now 5 or 6 knots.
 11.15 am arrived Gugumu.
 PM Census revised and collected information for area study. Shotgun renewals and collected some tax.
 Complaint that recent medical patrol underpaid carriers.
 Slept Gugumu.
- 29th September
 6.40 am departed Gugumu by rafts, taking right branch of river. After 2 hours passed old site of Gugumu.
 9.10 am stopped at landing 10 minutes upstream from log jam. River broken its banks and track in forest too flooded.
 9.40 am proceeded to jam. Spent 1 1/2 hours to clear a way through and 1 hour to get the rafts through.
 12.50 pm arrived Dove, 1 hour downstream from jam. Many hornbills and a kuskus seen during the trip.
 4.00 pm Porter sighted going in direction Wanigela to Safia.
 Slept Dove.

- 30th September Heavy fog this morning.
 Census revised Dove. Shotgun renewals and tax collected.
 8.55 am departed Dove by rafts on Musa River.
 11.15 am plane heard overhead but too cloudy for sighting.
 1.05 pm sought shelter and warmth at new Sanada from a severe electrical storm accompanied by torrential rain. Just downstream from new Sanada went a short way up a creek and arrived at Guruguru landing at 1.50 pm. 20 minute walk to Guruguru.
 Slept Guruguru.
- 1st October Census revised Guruguru. Shotgun renewals and tax collected. Inspected village and water supply.
 All clothing wet from rain and dirty so washing done.
 Slept Guruguru.
- 2nd October Heavy fog this morning.
 6.45 am started 20 minute walk to landing.
 7.15 am departed by rafts down the Musa again.
 1 hour downstream passed Kumuware Creek up which is the old site of Guruguru, then called Kumuware.
 12.00 midday arrived landing. 1/2 hour walk across to Foru 1 on the Foru River.
 Waited 1 1/2 hours for rest of patrol and was then told that a rest house is now available here and the Census book for Foru 1 and the coastal villages is here and not at Sebaga as I had arranged, so decided to stop here. Rest house is on other side of river 10 minutes upstream by canoe. Arrived there just before a downpour. In any case, had the usual mid-morning rain during the raft trip.
 Census revised Foru 1 and 2 etc. Finished work 6.15 pm.
 Report of assault at Monciogo. Councillor and three persons to come to Tufi.
 Slept Foru 1.
- 3rd October 7.00 am ready to go.
 7.50 am departed Foru 1 by 2 canoes on Foru River.
 9.25 am arrived Sebaga on the coast.
 Census revised for Sebaga and Benderoda.
 Shotgun renewals and tax collected. Area study.
 Finished 5.30 pm.
 Slept Sebaga.
- 4th October Sunday.
 8.00 am departed Sebaga by 2 canoes on the sea.
 9.50 am arrived Karisoa. Village almost deserted.
 2.10 pm "Ubuna" arrived from Tufi with mail and a kingfish. It is going to Oro Bay and will call in at Ake on its return.
 Rest of day spent catching up on news of the outside world.
 Slept Karisoa.
- 5th October 5.30 am Lance Corporal went bush to find Karisoa people.
 8.55 am Cessna flew overhead towards Tufi.
 Catching up on paperwork.
 PM Lance Corporal returned without reaching the Karisoa people.
 Slept Karisoa.

- 6th October
 Census revised from information from those few people present.
 Starting to rain. Spent cold, wet, and windy morning huddled in the only dry corner of the rest house.
 PM area study.
 Seas too choppy to travel this afternoon.
 8.00 pm ship passed by, heading towards Spear Island.
 Slept Karisoa.
- 7th October
 5.50 am departed Karisoa by 2 canoes.
 Caught fish (about 12 lb) just off Karisoa.
 Another got away 20 minutes later. Passed sunken war time plane wreckage 1 hr 5 mins from Karisoa.
 8.50 am arrived Gobe.
 9.00 am Porter flow over towards Tufi. Probably Tuesday's flight late.
 Attended to Trade Store Licence renewals, tax collection etc.
 Slept Gobe.
- 8th October
 AM Census revised Gobe.
 PM Area study.
 Only worry here is that there is no trader who comes around to buy their copra, coffee, crocodile skins etc. They will make land available to any interested trader.
 Slept Gobe.
- 9th October
 8.05 am departed Gobe walking along beach. Cargo by canoe.
 8.50 am Kopwei River. Washed and collected fresh water.
 9.50 am arrived Ako after 35 minutes walk from Kopwei River.
 PM worked on Census figures.
 Slept Ako.
- 10th October
 Saturday.
 Census and area study at Ako for Ako, Kuruaku, Tumina, and Mafuia villages. Shotgun renewals and tax etc.
 Received word of the birth of twins at Tumina mid morning today during the Census. Although 2 placenta came after the two babies, mothers abdomen is still swollen.
 4 pm went to Tumina - 8 minutes by canoe.
 Advised mother to prepare to go to Tumari Aid Post and possibly on to Tufi Hospital at first light tomorrow.
 Slept Ako.
- 11th October
 Sunday.
 Patrol was programmed to allow for some working days at Ako to install a well. Council decided while patrol was in the lower Musa not to install the well. Therefore will proceed to Angoroge tomorrow for routine administration while waiting for "Ubuna".
 Evening. Received note from Lloyd Nolan, A.D.C., advising that "Ubuna" U/S since arriving Oro Bay a week ago and outboard at Popondetta for repairs.
 Attended to tax collections and minor complaints.

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12th October

8.20 am departed Ake by canoes.

9.20 am stopped at Angorogo for routine administration.

12.20 pm arrived Berubona, 24 hours from Angorogo.

While off Spear Point S.D.A. boat "Daberere" passed towards Tufi.

PM tax collections and routine administration.

Slept Berubona.

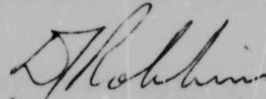
13th October

7.10 am departed Berubona by canoes.

Saw "Daberere" heading back towards Karaisa.

11.10 am arrived Tufi airstrip.

Reported to A.D.C. Lloyd Nolan.



(D.G. Robbins)

Assistant Patrol Officer.

INTRODUCTION

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The objects of this patrol are set out in the patrol instructions (refer Appendix 1) as issued by Assistant District Commissioner, Mr L.F. Nolan. The patrol departed Tufi on Saturday, 12th September, 1970 by the Administration workboat "Ubuna" and spent thirty-one days patrolling, returning to Tufi by canoe on Tuesday, 13th October, 1970.

Senior Constable Nohoro and Constable 1/C Iana accompanied the patrol until Thursday, 8th October, 1970 on which date they returned to Tufi by canoe. For the balance of the period of patrol Constable 1/C Avia accompanied, he having been let down by the "Ubuna" to join the patrol on Sunday, 4th October, 1970. Interpreter Randolph Gangai accompanied the patrol for the whole period.

In accordance with patrol instructions, at least one night (usually two) was spent in each village. The first three weeks of the patrol was spent in the inland lower Musa area. Many of the tracks in this area are subject to flooding during the Wet season hence the reason for this patrol being conducted during September / October, the Dry season. However, rain in the area and in the Musa headquarters had flooded the tracks which follow the Musa River down from Embessa, the highest point up the river in this Census Division. After having travelled for two weeks on foot to this point, the patrol was forced to travel by rafts on the Musa River as far as Dove. Having travelled that far and the rafts still being intact, it was decided to utilize them further and they were not discarded until the patrol left the Musa River at a point East of Foru 1, almost one week after leaving Embessa. The following week was spent visiting the coastal villages of the Census Division where canoe travel prevails. While at Akc, the last village visited in this Census Division, word was received that the "Ubuna" had broken down and would be unable to pick up the patrol for return to Tufi as previously arranged. The trip to Tufi was therefore made by canoes, the similarly stranded Tufi Malaria Service team being picked up en route.

SITUATION REPORT

POLITICAL

The people of this Census Division have a general feeling of discontent towards their Council, the Cape Nelson Local Government Council. This feeling has built up over the years because of the lack of Council projects and apparent lack of interest by the Council especially in the inland areas. It was explained that it is up to them, the people, through the voice of their Councillor to express their opinions at Council meetings and press for more Council attention in their own areas, keeping in mind the relative smallness of the Council.

Political Education talks by myself were mainly restricted to the local government level. It was found that many people (including some Councillors) do not fully understand the idea of a Councillor as being a representative of the people. The role of a Councillor and the work of a Council was therefore explained. The people of Embessa, Ovesa, and Guguma (Ward 19) complained that their Councillor (VIGA TOTORE of Dove) never visited the villages in his Ward to report on the happenings at Council Meetings etc. They also suspect that he does not correctly express their wishes at meetings. Their feelings of mistrust are so strong that they have been considering sending deputations to each Council Meeting to listen to the talk of their Councillor

and report any breach of his duties as representative of the people to the Assistant District Commissioner.

This attitude may not be caused wholly through what the people consider a bad Councillor but could be partly due to the fact that the people of Ward 19 are split by religion and topography. Ovesa, Embessa, Taruma, and Gugumu (population 238) are under the influence of the Seventh Day Adventist Mission which is active in its area and has good village support. Dove, Guruguru, and Sanada (population 149) term themselves as Anglicans. The Anglican Church in this area is very inactive and it is merely the need to nominate a religion when asked that causes these people to say they are Anglican. The other "split" is caused by a large log jam on the Musa River between Gugumu and Dove which cuts the ward into exactly the same two divisions. This hinders intercourse between the areas below and those above the jam. The two areas are connected by track but this track is under water for a large part of the year because the jam has the effect of damming the river and thus the river breaks its banks and floods the forest through which the track passes.

In contrast to this situation, Wards 17 and 18 have Councillors (Taubá Ugabi of Moiavi and Ganani Dome of Kinjaki respectively) who perform their duties exceptionally well. These two Councillors attached themselves to the patrol and visited all villages in their respective wards reporting on the business of the meeting they had just returned from in Tufi. Mr Nolan, the Assistant District Commissioner, had conducted a political education course for the Councillors at that meeting which was held the week before this patrol commenced. These Councillors gave long talks, based on what they heard at Tufi, after the Census and other routine Administration was completed by myself in each village.

Up until this year these people have found it relatively easy to pay Council tax as land surveyors in the area over the past years have provided cash labourers' wages for the men. These surveys ceased a year ago and the people have run out of money and have no other means of earning more in their villages. The lack of easily accessible marketing facilities in the area works against these peoples' attempts at economic development at the village level. These two related problems (difficulty in paying tax and lack of marketing facilities) were expressed in the majority of villages visited. The people of Embessa had a constructive idea which overcomes both these problems. They want the Council to assist them in economic development by providing the services of a dinghy and outboard to take their produce out of the area to the markets. Their idea is that the Council would purchase an outboard of sufficient power to take the Council dinghy, empty, up the Musa River as far as Embessa. Produce, which would mainly be coffee, would be loaded on here and at other villages downstream and taken down the river to the coast where it would be stockpiled prior to transporting in bulk to D.A.S.P. Tufi, Pongani Co-operatives Society in the Popondetta Sub District or any other marketing centre. The Council would employ an operator and supply the service free of charge to the people. An extension of this idea would be that the Council could become a buying agent and purchase coffee from the village people at a slightly reduced rate and resell it at the marketing centre. The consequent small "profit" made by the Council would go towards offsetting running expenses of the outboard. This small "charge" to the people would be offset by their savings in time/labour costs which would otherwise operate if the service was not provided. All the villages downstream from Embessa expressed the same related problems (lack of marketing facilities - difficulty in paying tax - seeing nothing for tax paid over the years) and all agreed that the Embessa peoples' solution was worthy of comments by their Councillors at the next Council meeting.

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Patrol Instruction 2 (d) requests that a Needs List for incorporation in a Council Development Programme be compiled. Apart from the above suggestion no others were forthcoming from the people. It is difficult to think of any worthwhile projects for the area, having regard to the relative isolation of the area and the Council's limited resources. It is thought, however, that more use could be made of the Council employed Welfare Officer. If the Council provided ovens and sewing machines the Welfare Officer could give the women instructions on the use of these articles and conduct courses on home management. Some villages within reasonable access of Popondetta could launch a small scale salted roasted peanuts industry using the Council provided ovens for roasting. With the small populations of these villages the men's time would be sufficiently occupied with economic development should the marketing facilities be improved. As the people found it difficult to give on the spot suggestions, they were told that any ideas should be passed on to their Councillor to be raised at Council meetings with the possibility of subsequent inclusion in the Development Programme.

There are virtually no radios owned by people in this Census Division and they have no access to newspapers. It was impressed upon them that more radios should be purchased so that they might keep abreast of outside news especially that concerning their own country, its development towards self-government etc.

ECONOMIC

These people barely live above the subsistence level, any cash earnings from the little economy they do have being used almost exclusively for bettering their subsistence - that is purchasing essentials such as an outfit of clothing, shotguns and cartridges for hunting for food etc. In some villages there was little surplus fresh food available for the patrol. There is no copra being produced in the area at present. The people of some villages admitted that, although they have trees, there are only enough for their food requirements and not even sufficient to take off suckers for new plantings.

However, the people have the necessary motivation for economic development on a self-help basis. There are new plantings of coffee and chilli and, on the coast, of coconuts to replace the old trees and those that have been destroyed through erosion of land. Some of these plantings are coming into the bearing stage and the people are now realizing their isolation in relation to markets. Markets are two days hard walk away from most of the inland villages and the coastal villages have lengthy canoe trips to either Tufi or Popondetta markets. The people are of the opinion that it is not worth the effort.

A cattle scheme proposed by the Administration (refer Area Study 1969/70, Tufi Patrol No 3 of 1969/70) would have resulted in the provision of access to the inland lower Musa area through the construction of a road (Area Study 1969/70 Item J para a) and re-opening of an old airstrip (Item J para c). Although these two projects were to be implemented on a self help basis they are closely related to the establishment of this cattle industry. However, I understand (although the people do not) that because of the Administration policy this scheme will not proceed at least for the present. So these peoples' plans for self-help to improve access to markets will no doubt be temporarily shelved with the cattle scheme. One wonders what other effects the Administrations' decision will have on these people. Area Study 1969/70 refers to certain effects of the proposed cattle scheme - Item (c) para (e): the people of Safia and Moro are friendly with the lower inland

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Musa people. The Administration was also surveying land in their area and the lower Musa people needed their urgings for co-operation with the Administration. The Safia and More land has been purchased. The lower Musa land has not.

Item (d) para (c) : the traditional pattern of leadership is shifting from the old leaders to the young educated men. The old leaders needed to be persuaded by the young men to sell their land.

Will the friendship between the Safia and More people and the lower Musa people suffer? Will the people co-operate with the Administration land surveys in future? Will there be a conflict of interests between the old and young?

The Musa River is navigable, at present, as far as Dove and if the log jam referred to under the heading of "Political" in this report were cleared, as far as Embessa. However there are no active traders in the area, the two that have licences and have made trips into the area over the past five years or so (Mr Hugh Milne of Tufi and Mr Kevin Bourke of Popondetta) being unreliable with the people themselves expressing dissatisfaction.

At Gobe, the people stated that they would give all assistance necessary to have a full-time trader come to the area. They are unanimous in their unconditional offer to make available any land that such a trader would require for his business. Alternatively, if a trader cannot be attracted, they would like to form a co-operative Society with the other coastal villages. Similarly, the people of the inland Musa areas will give all their support to any scheme that will help them get their produce to market. They are willing to provide the labour to clear the log jam on the Musa River provided that their efforts are rewarded with the revival of trading up the river.

The people are also dissatisfied with the irregularity of Agricultural patrols to the area. The motivation to plant the few cash crops these people have appears to have come from the people themselves. They now want the advice of a trained officer on such aspects as the care, maintenance, picking, and preparation for market. These people's motivation appears to be ripe enough for official recognition and fostering.

In the field of commerce and industry, the sale of crocodile skins provides a good income for this area. However, regular buyers have not gone to the area since about 1964. The Karaisa people sold over 1,000 big skins in 1964. In 1969/70 they placed the figure at about 20 or 30, small, 8", skins. Today's price was stated as \$1.20 per inch and the Gobe people say that a skin that brought \$18.00 in 1964, today brings only \$2.50. The small number of skins produced is partly due to a decrease in the number of crocodiles but more because no buyer comes into the areas. From the people's reports, I learnt that in the early 1960's, up to about 1964, a Mr Amos traded and bought skins extensively in the inland Musa areas. He brought in and sold to the people cartridges and batteries for use in crocodile shooting and large quantities of salt for skin preservation. Trade stores run by locals in the area are not sophisticated enough to carry large quantities of these articles, especially salt. In fact, the trade stores had practically nothing in stock during the patrol. Mr Amos stayed in the one area long enough for the people to go out and shoot crocodiles and then bring the skins to him for sale. Today they have no one supplying this service so they are not shooting crocodiles.

A future source of income will be in the form of labourers wages should the Administration decide to construct a dam for hydro electricity in the Musa Gorge, upstream from Embessa. Feasibility surveys are presently being conducted by the

Commonwealth Department of Works. The Guruguru people showed a good deal of interest, sometimes concern, in the proposed dam. The benefits that a dam would bring them, such as labour employment during the many years of construction and the regulation of flow of water in the Musa River, resulting in a discontinuance of flooding, were explained to them.

Although they do see the good of a dam, they still seem to have certain misgivings and although they could not say why they seemed to be disturbed that the dam might ruin their crops. On thinking about this, I later thought of the possibility that these people, being subsistence farmers, may sense that a halt of the constant flooding of their land may cause an unbalance in nature having harmful effects on their existence. No doubt the feasibility surveys being conducted will extend beyond engineering principals to a study of possible ecological changes.

SOCIAL

There are no Administration schools in the area. The Seventh Day Adventist Mission has schools at Karaisa (to Standard 11) and Sawavi (to Standard 111, although all current students are Standard 1. Both schools have limited boarding facilities. The Anglican Mission has schools at Tumina (to Standard 111) and Sebaga (to Standard 11).

There are 54 children attending these schools and another 95 attending schools outside the Census Division. The number of children of school age is 491. All these schools are close to the coast, the inland Musa children (146) having no easy access to schooling.

The Karaisa school authorities requested me to persuade the parents in the inland areas to send their children to school. On bringing the subject up in villages, the people complained that the Seventh Day Adventist Mission sent their children home from school for no reason (possibly unknown to the parents, these children did not make the grade). They are not happy with the present situation and, in this respect, the Mission has lost the support of the people. The people of Kinjaki would like an Administration school in the area.

The Seventh Day Adventist Mission is very active and has a good following. Possibly as a result of the demands of their religion concerning the non-eating of red meat the people in Seventh Day Adventist areas are keen gardeners. Not a fault could be picked with the ~~4000~~ gardens which are protected from wild pigs with well constructed bush pole fences. Also related is the large number of shotguns (refer Appendix 8) which are used extensively in hunting for birds for food. Despite this, the bird life is plentiful in the inland Musa areas.

The Anglican Mission is inactive in its areas to the extent of being virtually non-existent in some villages. This inactivity is passed on to the people. There was no surplus food offered to the patrol in most of the Anglican area. The patrol was received by the village people far better in the Seventh Day Adventist area.

The people's health is generally good. The same cannot be said about the dogs. There are Aid Posts at Karaisa (Seventh Day Adventist) and Gobe (Cape Nelson Local Government Council) but none in the inland Musa (population 557). Tuffi Malaria Service Team conducted a spraying round in the Census Division

the same time as this Patrol. A Medical Patrol had passed through not long before. In fact, most patrols to the inland Musa are conducted at this time of the year, movement being easier during this, the Dry Season.

A number of minor complaints, mainly of a matrimonial and domestic nature, were settled. Complaints of a more serious nature involved threats on certain persons' lives in two separate incidents. The first arose from a matrimonial dispute between ONDAREMBO GORIMBO of Kinjaki and KORAMETI KAUKEMBO of Kakasa. Ondarembo wanted to marry Korameti's sister, ISATA, who is pregnant to him. Isata would then be Ondarembo's second wife - a common occurrence in this area. By tradition, the woman's family makes a decision as to whether bride price will be paid or alternatively the husband-to-be will give his sister to the woman's family in exchange for his wife-to-be. Korameti, being unmarried, requested an exchange of women. Ondarembo could not meet this obligation as he has no sisters, so he had Isata elope with him to Kinjaki. Later Korameti took Isata back to Kakasa, making threats with a spear. Now the Kinjaki people have threatened to kill Korameti. All the people of both villages agree that the tradition as to bride price or sister exchange is as stated above. Consequently they were told that the custom is not contrary to the law, but murder is. When born, Isata's child will become part of the KAUKEMBO family. Illegitimacy and adoption are widely accepted in the area.

The other incident has arisen out of a past murder (refer Tufi Patrol Report No 1 of 1968/69). GAJAGI DOLI of Momoio go has repaid society for his wrongdoing by serving two years in Port Moresby jail. However, the people of his village do not see the affair in this light and it was reported to the patrol while at Foru 1, but not Momoio go, that three men (SIKOVI OKE, BOKANA SOMARI, and DARAKIBA) have been involved in an assault in which a shotgun was used on Gajagi's mother and through fear of her life she has fled to somewhere in the Popondetta Sub District. Gajagi lives at Foru 1, he also being afraid to return to his village. As both sides of the dispute had not been heard I sent word to the Councillor for Momoio go to bring the people concerned to Tufi for a complete inquiry.

One purpose of the Patrol was to demand Council tax from the large number of defaulters in the lower Musa area. A total of \$305.00 was collected increasing the Council's total tax collections from 80% to about 83%. Considering the hardship under which these people exist, this was a fair response. Renewal of Licences to Trade with Natives were attended to on behalf of the Council and 45 shotgun registrations were renewed. Requests for permission to purchase new shotguns totalled 14. In accordance with Patrol Instructions these were noted for reference to the next Council meeting.

Rest houses are in reasonable condition with the exception of those at Sebaga and Karisoa which have poor roofing. The people were requested to renew these roofs.

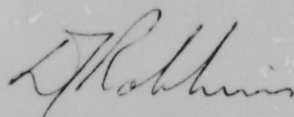
Although there is a limited labour force, sufficient men were willing to offer their services as carriers and crews. Tracks are in reasonably good condition, with the exception of Kinjaki - Korala which is steep and rough. Tracks from Babessa following the Musa River down to the coast were not traversed as they were flooded.

(29)

CONCLUSION

As this patrol involved me in my first Area Study it provided me with further experience of close contact with the people. The area is not a rich one as far as material for Area Studies is concerned. However, the willingness of the people to improve their stand economically is satisfying. Most of the villages are in an apparently forgotten backwater but the people are fast realizing the advantages to be gained through self-help. It is hoped that this attitude will subsist and the people will be correctly guided so as to see results for their labours.

Comments on the conduct and efficiency of Patrol Police are given in Appendix 2.



(D.G. Robbins)
Assistant Patrol Officer.

67-1-1

Sub-District Office,
T U F I .

10th September, 1970.

Mr. D.G. Robbins,
Assistant Patrol Officer,
T U F I .

PATROL INSTRUCTIONS

Please prepare to depart on a patrol into the Dyke Ackland Bay Census Division this coming Saturday 12th September, 1970. Senior Constable Nohoro and Interpreter R. Gangai will accompany you.

2. The following directives are to be adhered to :-


- a) Spend at least one night in each village. There is no need to mount a hurried patrol; the essence of successful field contact is a bi-lateral availability of intercourse between the patrolling officer and those of the area patrolled, and a hurried patrol would only negate any such availability. The Blue Ensign will be flown in all villages visited.
- b) Census revision is to be carried out in all villages and you are to collect information for inclusion in an Area Study to be submitted to me at the termination of your patrol. Volume I of Departmental Standing Instructions pertaining to General Field Administration, Chapter XVII, sets out the format for such Area Study submissions. Subsequent instructions require for inclusion of an additional section, (P), covering Accommodation, Services and Facilities.
- c) Familiarise yourself with our Secretary's Circular of 21st June, 1968, regarding Situation Reports and Area Studies. A separate Situation Report will be required to accord with this Circular.
- d) At village level you are to compile a Needs List for future incorporation in a Council Development Programme. Such a list will greatly facilitate the compilation of future Council estimates. Elicit suggestions from villagers and their elected Council representatives, and include suggestions from your own observations on both the feasibility of suggestions received and other potential avenues of development.

Point out that such a Needs List is not an approval of suggestions, but a summary of possible developmental activities over a period of years, subject to Council's approval and priority rating. Five years is the suggested period which the List should embrace. The Needs List is to be submitted as an addendum to the Area Study.

The Dyke Auckland Bay Census Division, by virtue of the paucity of its population, presents something of a problem in relation to development by Council, but direct inquiry and personal observation should bring to light avenues for action more positive than the annual provision of radio receivers and sporting equipment which to date has totalled Council involvement in that area. Village enquiries will doubtless precipitate requests for authorisations to purchase shotguns; all such requests should be referred to this office for transmission to Council which will consider each case on its merits and make recommendation to this office.

- e) To date Council has only collected 70% of its current anticipated tax revenue. It is essential that the estimated amount be met and for this reason Council has resolved that further collections should be carried out during the course of your patrol. Take with you a book of last financial year's Tax Tickets, a book of current Tax Tickets, a Receipt Book and the necessary Licence To Trade With Natives forms. Tax/Census Registers will indicate those required to pay tax, and a physical check of trade stores will reveal those whose licences are in need of renewal.
- f) Upon completion of your patrol you will be required to submit a Report in accordance with Departmental requirements which have been outlined above.

3. I look forward to an informative account of what I hope is an interesting and instructive patrol.


(L.F. NOLAN)

Assistant District Commissioner

COMMENTS ON PATROL POLICESENIOR CONST. NOHORO

Has a good understanding of patrol work. His relations with the people are good and he commands their respect. Well attired and good manners.

CONST. I C IANA

A quietly spoken man. He is ever willing to carry out patrol duties without the necessity of instructions. Well attired.

CONST. I C AVIA

Willingly carries out any task no matter how onerous. Good bearing and manner and always well attired. Maintains the morale of patrol personnel with his unsuspected joviality.



TERRITORY OF PAPUA AND NEW GUINEA

PATROL REPORT

District of NORTHERN Report No. TUFI No 3 of 1970/71

Patrol Conducted by D.G. ROBBINS, A.P.O.

Area Patrolled PARTS DYKE ACELAND BAY AND MUSA CENSUS DIVISIONS

Patrol Accompanied by Europeans NIL

RANDOLPH GANGAI, INTERPRETER
Natives CONST. 4/C AVIA, R.P.N.G.C.

Duration—From 2/12/1970 to 7/12/1970

Number of Days 6 (4 camped out)

Did Medical Assistant Accompany? NO

Last Patrol to Area by—District Services 12/9/1970 (Census & Area Study)

Medical/...../19.....

Map Reference SKETCH MAP ATTACHED

Objects of Patrol LOCATE BULLDOZER TRAIL : PONGANI/SAFIA

Director of District Administration,
PORT MORESBY.

Forwarded, please.

23/12/1970

District Commissioner

Amount Paid for War Damage Compensation \$

Amount Paid from D.N.E. Trust Fund \$

Amount paid from P.E.D.P. Trust Fund

67-5-12

Division of District Administration,

KONEBOBU. Papua.

14th January, 1971.

The District Commissioner,
Northern District,
POFONDETTA.

TUPI PATROL NO. 3 - 70/71.

Your reference is 67-1-1 of 23rd December, 1970.

I acknowledge with thanks receipt of Special Report
by Mr. D.G. Robbins, A.P.O. of Part Dyke Ackland and
Musa Census Divisions.

This brief report is quite adequate under the cir-
cumstances and is informative. The strip map is excellent and
indicates competent work.

A job well done.

(T.W. ELLIS)
Departmental Head.

c.c. Mr. D.G. Robbins,
Sub-District Office,
TUPI,
Northern District.



TERRITORY OF PAPUA AND NEW GUINEA

67-5-12

Telegrams

Telephone

Our Reference.....

If calling ask for

Mr.....

In Reply

Please Quote

No. 67-1-1

Department of the Administrator,

Division of District Administration,
Popondetta. Northern District.

23rd December, 1970.

The Departmental Head,
Department of the Administrator,
KONEDOPU.

TUFI PATROL REPORT NO. 3 OF 1970/71

ROAD LOCATION PONGANI/SAFIA.

I enclose herewith a copy of a patrol report prepared by Mr. D.G. Robbins, A.P.O., mounted for the specific purpose of confirming my contention that it is feasible to 'walk' a bulldozer from Pongani on Dyke Ackland Bay to Safia in the Musa Basin.

I have forwarded relevant extracts of the report, together with the original of the patrol map and strip maps to the Director of the Commonwealth Department of Works for his information.

Mr. Robbins had just completed a routine patrol of the area, forwarded to you under cover of my 67-1-1 of 25th November, 1970; therefore a revised situation report has not been submitted.

I concur with covering remarks by A.D.C. Tufi; Mr. Robbins is to be commended for attention to detail and presentation of findings.

D. R. Marsh.
District Commissioner.

67-1-1

Sub-District Office,
T U F I .

18th December, 1970.

The District Commissioner,
Northern District,
POPONDETTA .

T U F I PATROL REPORT NO.3/1970-71

Attached please find three (3) copies of the abovementioned report which deals with the investigation of a suggested route from the southern Oro Bay coast to the Musa Gorge environs suitable for the passage of a tracked vehicle such as a bulldozer. The mandate under which this investigation was conducted is set out in your memorandum 35-11-2, a copy of which is appended to the body of the report.

2. The report is brief in narrative, but admirably supported by a scaled diagrammatic strip map of the route traversed. This strip map will prove invaluable to the Commonwealth Department of Works should they elect to walk a bulldozer through the area, and I would suggest that the original of the strip map be photostat copied and made available to Works for their assessment of the route.

3. The investigation and recording of findings was methodically carried out by Assistant Patrol Officer Robbins and he deserves commendation for this effort.



(L.F.NOLAN)
Assistant District Commissioner

REPORT - BULLDOZER TRAIL : PONGANI / SAFIA.

Patrol instructions from the District Commissioner are attached. (Appendix 1). These instructions were received on the evening of 1st December 1970 and the patrol departed Tufi the following morning, Wednesday 2nd December spending one day in travelling by the Government workboat "Umana" to Pongani.

The Patrol walked along the route suggested in the District Commissioners 35.11.2 dated 18th November, 1970, a copy of which is attached to the patrol instructions, arriving at Safia on Sunday, 6th December, 1970, four days after leaving Pongani.

The people were not willing to go bush to enable a blazed path to be made where the route deviates from the existing track. This unwillingness is basically due to the fact that no target date was given for the arrival of a bulldozer and therefore I was just another person wanting a look at the track with the eventual possibility that something may come along. When that day comes they will offer themselves as wage-labourers if needed. During the patrol I was informed by the villagers that an "engineer" from Port Moresby walked the track about a year ago. I was told that another "Patrol Officer" walked the track about the same time. During this patrol the villagers did, however, point out various obstacles etc and show ways around without departing from existing tracks. Thus the patrol proceeded along the track, recording details of it and also of suggested departing and re-entry points for detours. These details have been reproduced in diagrammatic form and attached as Appendix 2 to this report. A study of these diagrams should give the reader an overall picture of the track without the necessity of actually walking it. This should be particularly helpful in locating departure points for detours as it should eliminate the wasted time and effort involved in backtracking to a suitable point when an obstacle is met.

These diagrams are given on a scale of 1 inch = 5 minutes walking time. This is equal to approximately 580 yards on reasonably flat, dry ground. There have been no adjustments for those places where the track climbs steep hills etc and the reader should bear this in mind. The entire route from Pongani to Busi took approximately 18 hours to walk which would be approximately equal to 70 miles on flat and dry track. Busi is a good high site for a base camp from which operations in the Musa Gorge could commence.

In my opinion, virtually no work will be required of the bulldozer apart from on "Hill 2", diagrammatically shown on Sheet 7, where it will have to cut a ledge into the side of the steep forested hillside to get down the other side of this hill. A similar ledge will have to be cut up "Hill 4", shown on Sheet 8. All other hills could be negotiated by a bulldozer without departing from the existing track.

There are no major rivers to cross, the Bariji being the largest. Aerial photographs should be consulted to determine the exact location of what I have termed "Undulating kumai downs" on Sheet 1 of the diagrams in relation to the old war-time airstrip at Pongani. The detour there will merely link these two kumai patches.

In this report I have merely recorded facts as seen by a layman and it is suggested that these should be related to the opinions of an expert before a bulldozer is sent in.

D.S. Robbins
(D.S. Robbins)
Assistant Patrol Officer.

6

Division of District
Administration,
Sub District Office,
TUPI. Northern District.

7th December, 1970.

The Assistant District Commissioner,
Sub District Office,
TUPI. Northern District.

PATROL : TUPI No 3 of 1970/71

DIARY

- 2nd December 8.50 am departed Turu by "Ubuna".
11.50 am stopped for fresh water at mouth of
Kopwei River.
3.50 pm arrived Pongani. "Ubuna" nosed up to
beach and offloaded gear to Women's Club House.
5.00 pm walked along beach past site of war-time
patrol post to village for information on track
and war-time strip.
Slept Pongani.
- 3rd December 7.12 am departed Pongani beach. Looked at old stri
and walked 35 minutes up Afore track to a ford on
Pongani Creek near end of strip then backtracked on
other side of creek to Kinjaki track.
11.25 am changed carriers at Iwagi (Waie).
1.30 pm Bariji River. Crossed and inspected ford
upstream near Sariri.
3.47 pm arrived Kinjaki.
Slept Kinjaki.
- 4th December 8.18 am departed Kinjaki, crossing river at 8.30 am.
2.06 pm arrived Korala, crossing 4 hills en route.
Slept Korala.
- 5th December Saturday.
8.12 am departed Korala. Korala River ford is
1½ ft deep - was 3 ft yesterday.
3.30 pm Ovesa, after resting 2 hrs and changing
carriers at Kakasa en route.
Slept Ovesa.
- 6th December Sunday.
Up at 5.00 am - on the track at 6.11 am. Crossed
saddle in Bidana Range.
11.51 am stopped 1 hr at Busi for rest and cup of
tea.
2.00 pm unexpectedly came on to sweeping bend in
Musa River. 35 mins to get a raft up and across to
patrol.

6th December
cont.

3.10 pm all gear over Musa.
4.35 pm unexpectedly came to end of Safia air strip just as Mr Barnes', Minister for Territories, Islander was taxi-ing to take off.
4.45 pm at village end of strip. Reported to DC.
4.55 pm flew with him to Popondetta arriving at 5.25 pm.
Slept Popondetta.

7th December

7.45 am reported to ADC.
Arranged to get Interpreter Randolph, Cpl Avia, and patrol gear out of Safia.
10.00 am radioed Tufi, reporting to ADC.
2.00 pm departed for Oro Bay. Arrived 3.05 pm.
No sign of "Ubuna".
3.50 pm "Ubuna" appeared on horizon, berthing at 4.20 pm.
Unloaded and departed at 5.15 pm for return trip to Tufi.
12.35 am (Tuesday) arrived Tufi.
Slept Tufi.

D.G. Robbins

(D.G. Robbins)
Assistant Patrol Officer.

COPY

35-11-2

Department of the Administrator,
Division of District Administration,
Popondetta, Northern District.

30th November, 1970.

Assistant District Commissioner,
TUFI.

BULLDOZER TRAIL : PONGANI/SAFIA

I have received an enquiry from the Commonwealth Department of Works concerning the feasibility of 'walking a D6 bulldozer into Safia. I regard this as possible and have suggested the route detailed in my 35-11-2 dated 18th November, 1970 (copy attached).

As a matter of urgency I desire that you despatch Assistant Patrol Officer Robbins to traverse the entire route - commencing at PUIN hamlet (Pongani), locating fords and blazing (but not clearing a path where the route deviates from the existing track.

It is important that the route be located on firm ground - well away from swamp or marshy areas.

Where the track goes straight over a spur with a steep gradient locate a side path.

Mr. Robbins may fly out from Safia if he so desires ; I will arrange for a warrant to be lodged at Patair Office, Popondetta.

D. R. Marsh.

District Commissioner.

35-11-2

Division of District Administration,
Pononetta, Northern District.
18th November, 1970.

Director of Works,
Department of Works,
P. O. Box 335,
PORT MORESBY.

MUSA RIVER HYDRO-ELECTRIC INVESTIGATIONS

Your 69/2010 of 13th November, 1970 refers.

It is possible to bring in a large barge to the beach at Pongani about 100 yards north of the war time patrol post and directly onto the track which joins the beach to the war time airstrip.

A short distance in from the beach there is a swampy patch about 20 yards wide which can be readily filled with logs to permit passage of the D6.

The airstrip is in grass and once this is traversed there is a fringe of bush abutting Pongani creek which can be readily forded by the D6 except when in flood. It has good gravel/rock bottom and shallow banks.

Beyond Pongani creek the patrol road is followed to WAIE then IWUJI and NEMBADI.

At Nembadi the machine would travel upstream about two miles parallel to the Barije River to a suitable ford thence through light bush and grass to Kinjaki.

At Kinjaki there is a small creek which can be forded although some corduroy should be used in the creek bed.

Thence follow the track and side cut over a spur between Kinjaki and Korala. The track follows firm ground along the edge of a massive swamp and the mountains. The track is only a few feet above swamp level but is generally firm.

From Korala the track proceeds to Kakasa in the same type of country along the edge of the swamp and crosses one or two more smaller spurs.

From Kakasa the track proceeds to Ovesa or the new name SIMBEKA and thence up a spur to the saddle on the DIDANA range to OURE on the Musa or Moni River. The river is then followed downstream to the dam site but the machine should keep away from the river flats.

Native people inform me that a better track leads from Simbeka to Ebessa (flat firm track) to a spur on the northern end of the Musa Gorge and that this spur can be followed up to the crest of the Bidana range opposite the proposed dam site.

I have walked the Pongani track a number of times and it has been traversed by P.W.D. engineers and found to be feasible.

It is suggested:

- (1) One of your engineers, in company with a Popondetta P.W.D. officer and/or a P.W.A. officer traverse the area to get a full picture of the track.
- (2) That the D6 plus a tractor and trailer be barged to Pongani and work in tandem.
- (3) That, if money is available, we put in a hand labour team ahead of the machine to speed up the operation.

The total distance would be 40-45 road miles.

There are no major rivers to cross and no major hills.

Swampy patches are not serious and timber is readily available for corduroy.

It is possible to service the team with (a) Airdrops (b) Helicopter (c) By road from Pongani or Safia.

Once the D6 has traversed the route other types of track or wheeled equipment could use the tracks to haul in equipment.

We have stocks of marden matting at Popondetta which could be made available as required.

We have Shell and Mobil fuel agents at Popondetta and drum fuel can be delivered by trawler to Pongani.

We are opening the airstrip at Embi, 8 miles from Oro Bay and heavy spares can be taken by launch (MV UBUNA) from Oro Bay to Pongani (20 miles).

The Director of Public Works has supported this district's co-ordinating committee and requested the Director of Transport to put the Oro Bay-Pongani section of the road on design list 4.

The Afore-Pongani road is a side road and does not affect this operation except to help justify the Oro Bay-Pongani road.

Aerial photographs of the entire area are available from Lands and/or Forests departments.

(1)

COPY

-3-

It is not possible to use the Musa River. The stream has split about 20 miles from the coast and its main course is spread out through the rain forest. The old bed is stagnant and full of log jams.

An alternate route would be from Uiauku in Collingwood Bay to WOWO Gap thence to OBEIA and on to the dam site but it is not as good in my opinion as the Pongani route. It is not possible to commence at Wanigela.

You will appreciate that this is the start of our wet season and now is the time to study the route at its worst which is not that bad in any case.

It would not be possible to enter from the south coast through IANU and the Keveri gap without virtually constructing a road the whole way. The Pongani route over most of its distance is quite flat and the track is wide enough for the machine to proceed unimpeded for considerable distances without dropping its blade.

For your information the Minister, Mr Barnes, and party will visit Safia on 6th December and the article in the Post-Courier on 10/11/70 re nickel prospects in the Didana Range is also of considerable interest. Perhaps if they are as serious as they sound they may be prepared to join in the Pongani-Dam site access venture.

I would very much like to have the opportunity of discussing the whole scheme with your officers as I believe that I have considerable local knowledge which may be of value.

D. R. Marsh
District Commissioner.









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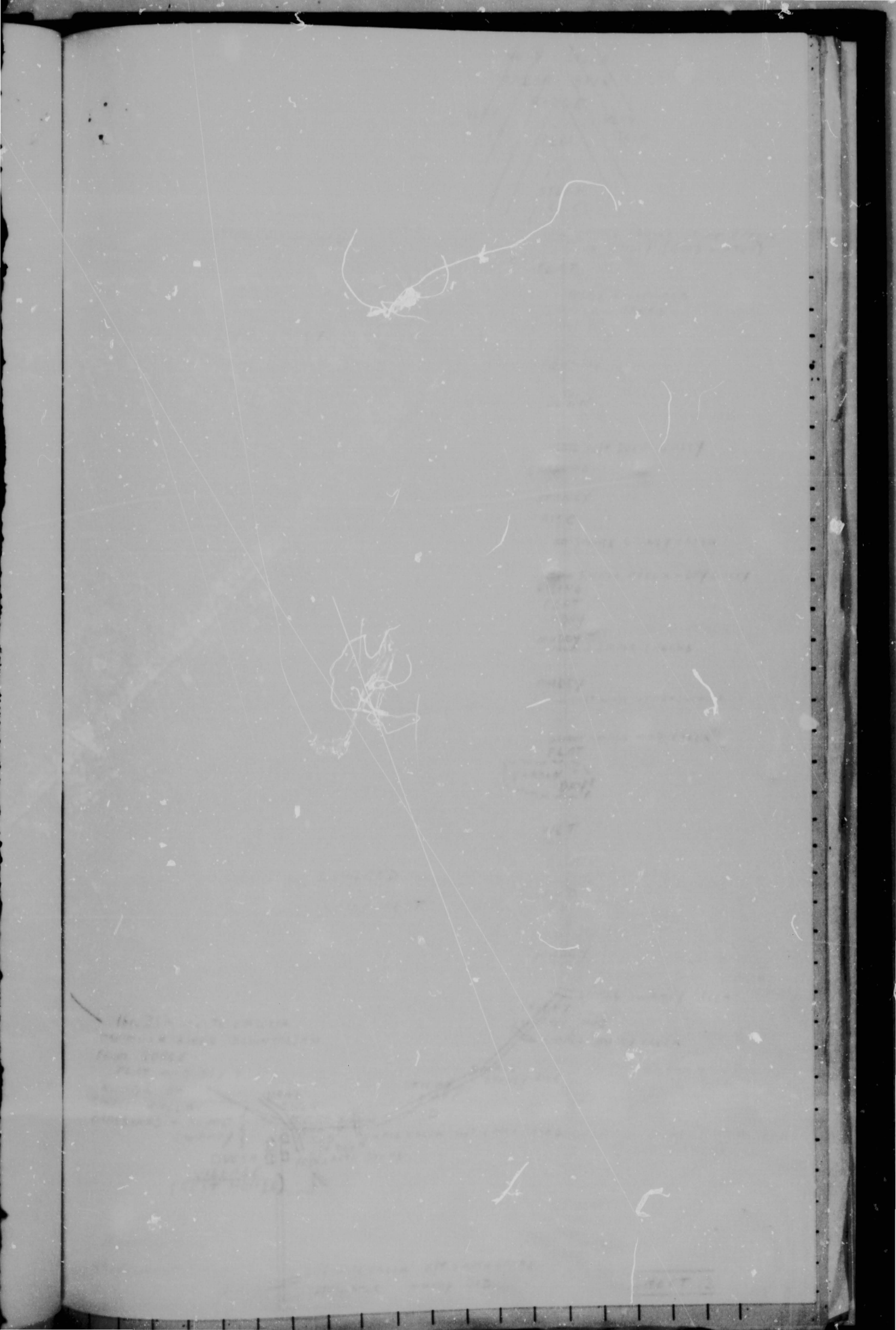






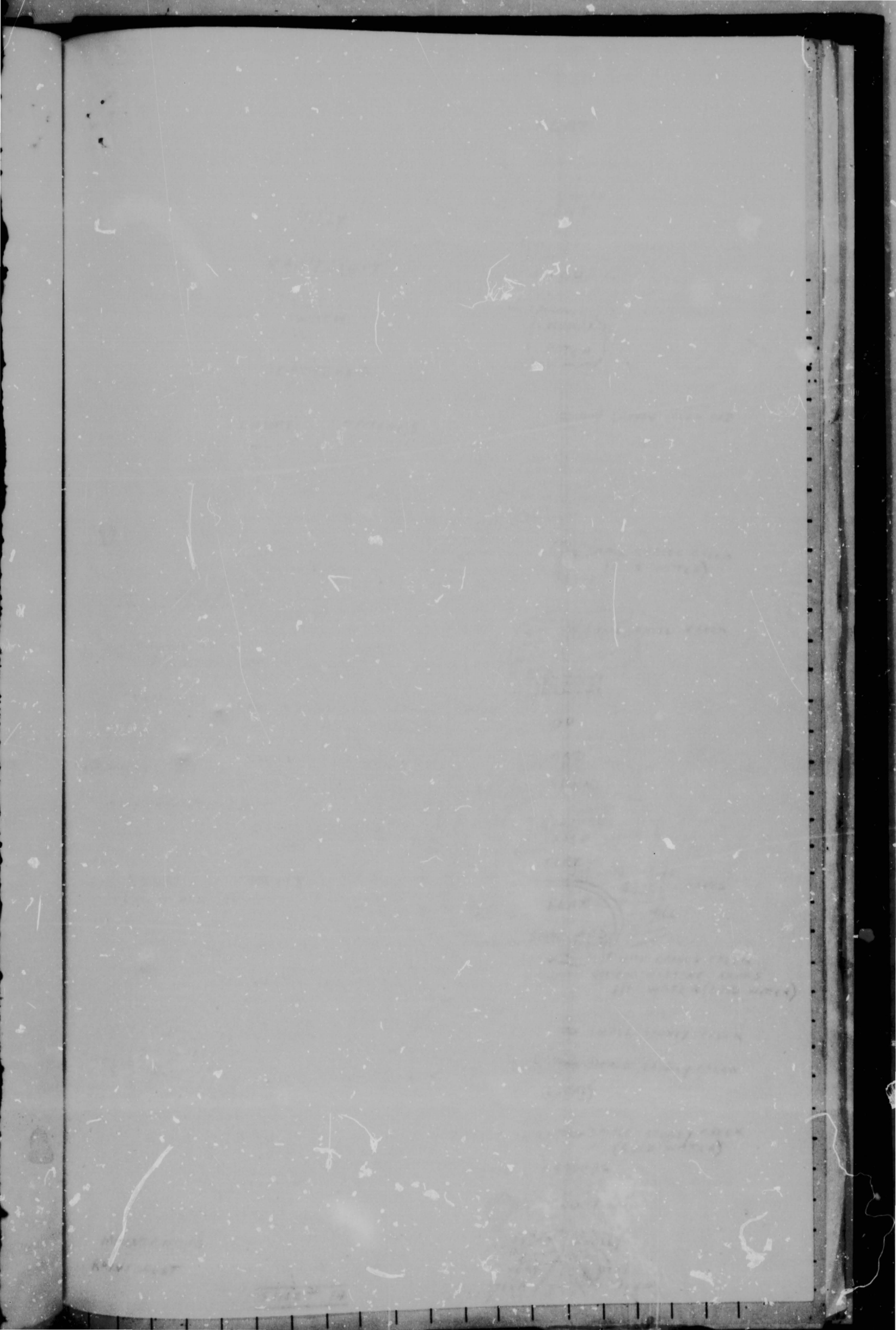




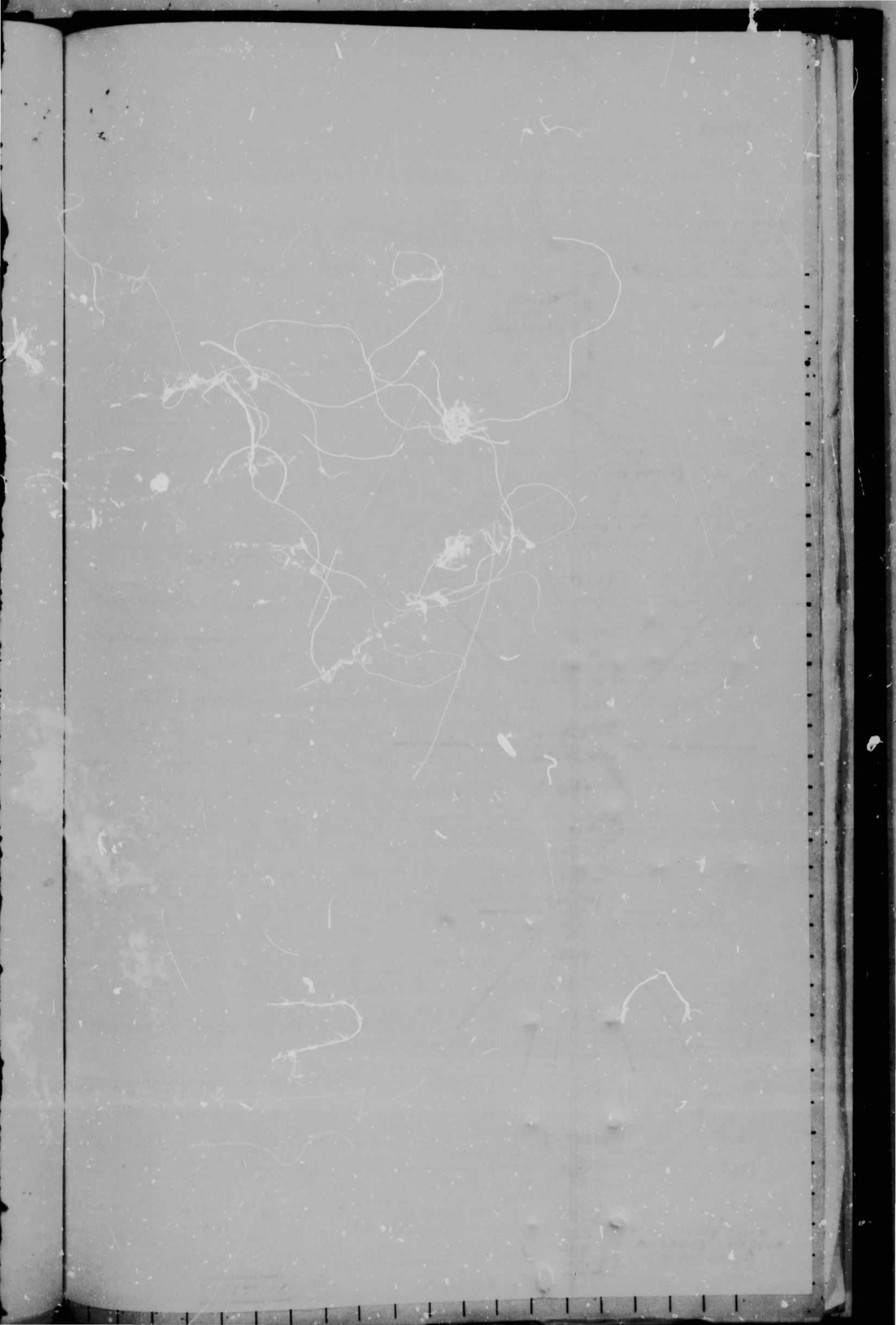


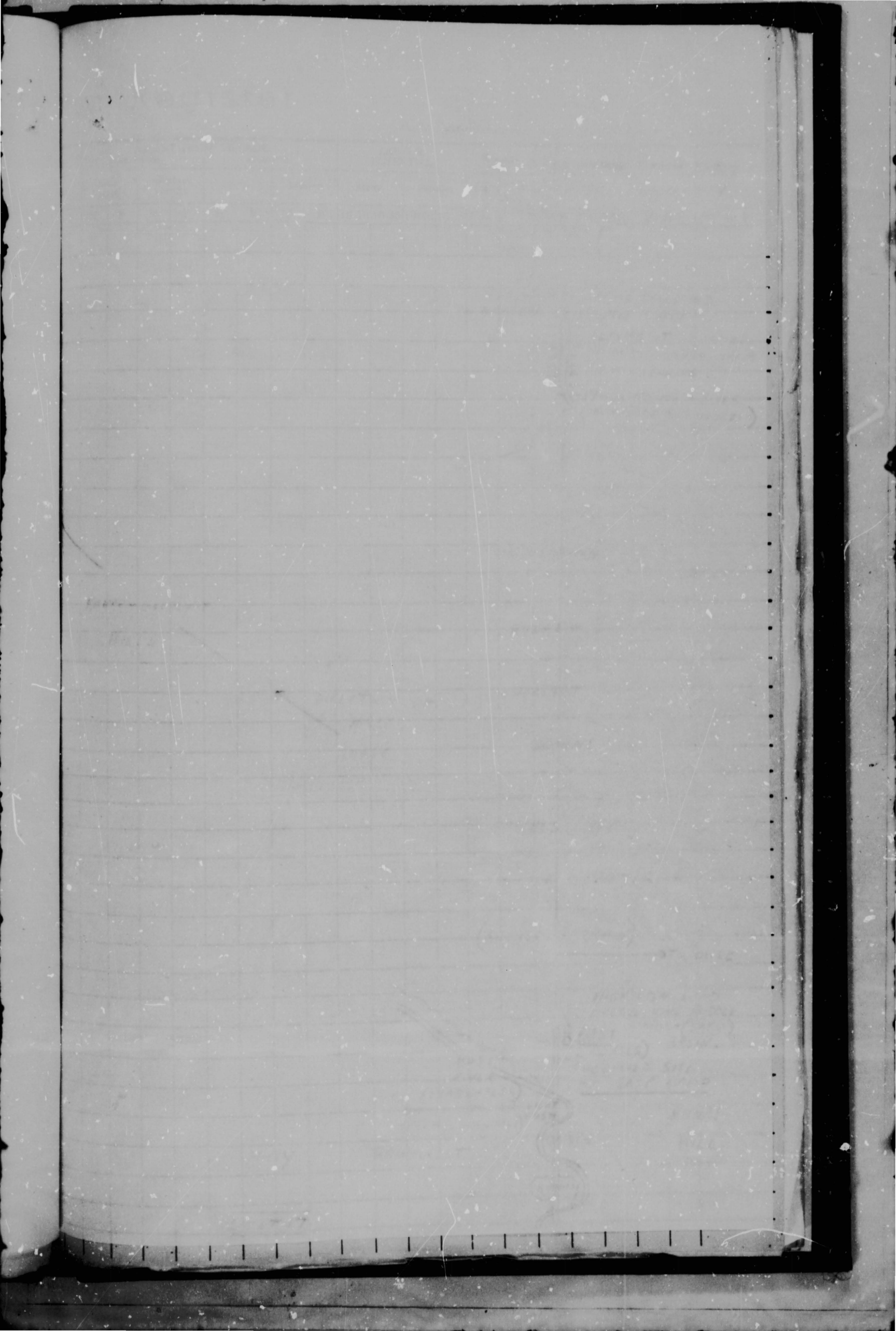
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Amount
Returned
to Store



TERRITORY OF PAPUA AND NEW GUINEA

PATROL REPORT

District of NORTHERN Report No. TUEI No. 4 of 1970/71

Patrol Conducted by I.G. ROBINSON, A.P.O.

Area Patrolled PART COLLINGWOOD BAY CENSUS DIVISION

Patrol Accompanied by Europeans P. LAWRIE, Manager Utan
Prison (part)

Natives NIL

Duration—From 8 / 3 / 1971 to 11 / 3 / 1971

Number of Days 4 (3 nights camped out)

Did Medical Assistant Accompany? NO

Last Patrol to Area by—District Services 31 / 10 / 1969

Medical / / 19.....

Map Reference Sketch Map attached

Objects of Patrol INSPECT ROUTE OF PROPOSED ROAD - WANIGELA/TOTO POINT

Director of Native Affairs,
PORT MORESBY.

Forwarded, please.

District Commissioner

Amount Paid for War Damage Compensation ... £.....

Amount Paid from D.N.E. Trust Fund ... £.....

Amount paid from P.E.D.P. Trust Fund

114 / 1971

67-3-27

KIMBERLEY... PAPUA.

7th June, 1971.

The District Commissioner,
Northern District,
KIMBERLEY.

TUFI PATROL NO. 4 of 1970/71

Your reference is 67-1-1 of 1st April, 1971.

I acknowledge with thanks receipt of Special and
Situation Report by Mr. D.G. Robbins, Assistant Patrol
Officer to part Collingwood Bay Census Division.

The patrol being of a general nature requires no
further comments from this office.

(T.W. ELLIS)
Secretary.

TERRITORY OF PAPUA AND NEW GUINEA

67-5-27

(14)

67-1-1

Division of District Administration,
Department of the Administrator,
POPONDETTA. Northern District.

1st April, 1971.

The Secretary,
Department of the Administrator,
KONEDOBU.

TUFI PATROL REPORT NO. 4 OF 1970/1971.

I attach hereto a copy of a Report of a Patrol conducted by Mr. D.G. Robbins, Assistant Patrol Officer, together with covering remarks by Assistant District Commissioner, Tufi for your records.

The Patrol, of 4 days duration, was mounted for the specific purpose of investigating the road route Wanigela/Itoto Point.



(D.R. Marsh)
District Commissioner.

TERRITORY OF PAPUA AND NEW GUINEA

(13)

67-1-1

Division of District Administration,
Department of the Administrator,
POPONDETTA. Northern District.

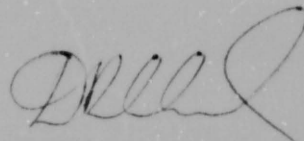
1st April, 1971.

The Secretary,
Department of the Administrator,
KONEDOBU.

TUFI PATROL REPORT NO. 4 OF 1970/1971.

I attach hereto a copy of a Report of a Patrol conducted by Mr. D.G. Robbins, Assistant Patrol Officer, together with covering remarks by Assistant District Commissioner, Tufi for your records.

The Patrol, of 4 days duration, was mounted for the specific purpose of investigating the road route Wanigela/Itoto Point.



(D.R. Marsh)
District Commissioner.



TERRITORY OF PAPUA AND NEW GUINEA

Telegrams

Telephone

Our Reference

If calling ask for

Mr.

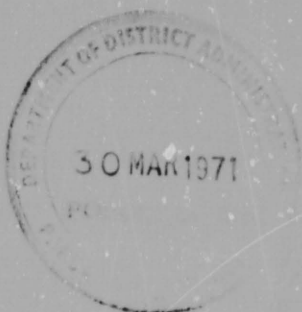
In Reply
Please Quote

No. 51-2-1

25-2-1

Department of the Administrator,
Sub-District Office,
TUPI.

26th March, 1971.



The District Commissioner,
Northern District,
POPONDETTA.

TUPI PATROL REPORT NO.4/1970-71

Appended please find documents constituting the abovementioned report. Written instructions were not issued to Mr. Robbins as I considered the task one of a nature requiring action only at sub-district and district headquarters level - not one requiring comment at departmental headquarters level. However, since Mr. Robbins has elected to present his report in this manner my comments are as follows :-

- a) It is gratifying to note that the proposed road route presents no trouble to bulldozer working. This will greatly facilitate the opening of the route and it is estimated that, weather remaining favourable, the section from Wanigela to Ajcva River should be opened within five (5) working days.
- b) The present Administrative Adviser to the Cape Nelson Council and his designated successor, Mr. Murray A.P.O. and Mr. Meatere T.P.O. respectively, are at the time of writing in the area to co-ordinate the working of the bulldozer and complementary hand-labour. Communications between Wanigela and Tufi have proven unreliable and this office has no progress report on the roadworks that should be underway by this date.
- c) Indigenous tree crop ventures at either end of this Wanigela-Itoto Point Road are most important as they represent the only economic developmental activities of any magnitude being undertaken by the people of this sub-district. The Wanigela sub-division will shortly open that end of the road, but no action has been taken to date to apply Land Tenure Conversion to coconut plantings in the vicinity of Itoto Point. Efforts should be made to secure this tenure conversion before interest wanes and the support of these settlers is lost.

For your comments and onforwarding, please.

(L.P. NOLAN)
Assistant District Commissioner

THE PARCEL DELIVERY SERVICE

1. The proposed changes to the regulations governing the delivery of parcels by the Post Office are set out in the enclosed draft regulations. It is proposed that the regulations should be amended to provide for the delivery of parcels by the Post Office on a daily basis, subject to the following conditions:

(a) The parcels should be delivered to the recipient's door during the hours of 9.00 a.m. to 5.00 p.m. on weekdays and 9.00 a.m. to 1.00 p.m. on Saturdays.

(b) The parcels should be delivered to the recipient's door during the hours of 9.00 a.m. to 5.00 p.m. on weekdays and 9.00 a.m. to 1.00 p.m. on Saturdays, subject to the following conditions:

(i) The parcels should be delivered to the recipient's door during the hours of 9.00 a.m. to 5.00 p.m. on weekdays and 9.00 a.m. to 1.00 p.m. on Saturdays, subject to the following conditions:

c.

or.

67-2-1
25-1-1

Sub-District Office,
T U F I .

26th March, 1971.

The District Commissioner,
Northern District,
P O P O N D E T T A .

TUFI PATROL REPORT NO.4/1970-71

Appended please find documents constituting the abovementioned report. Written instructions were not issued to Mr. Robbins as I considered the task one of a nature requiring action only at sub-district and district headquarters level - not one requiring comment at departmental headquarters level. However, since Mr. Robbins has elected to present his report in this manner my comments are as follows :-

- a) It is gratifying to note that the proposed road route presents no trouble to bulldozer working. This will greatly facilitate the opening of the route and it is estimated that, weather remaining favourable, the section from Wanigela to Ajova River should be opened within five (5) working days.
- b) The present Administrative Adviser to the Cape Nelson Council and his designated successor, Mr. Murray A.P.O. and Mr. Meatere T.P.O. respectively, are at the time of writing in the area to co-ordinate the working of the bulldozer and complementary hand-labour. Communications between Wanigela and Tufi have proven unreliable and this office has no progress report on the roadworks that should be underway by this date.
- c) Indigenous tree crop ventures at either end of this Wanigela-Itoto Point Road are most important as they represent the only economic developmental activities of any magnitude being undertaken by the people of this sub-district. The Wanigela sub-division will shortly open that end of the road, but no action has been taken to date to apply Land Tenure Conversion to coconut plantings in the vicinity of Itoto Point. Efforts should be made to secure this tenure conversion before interest wanes and the support of these settlers is lost.

9

For your comments and onforwarding, please.



(L.F.NOLAN)
Assistant District Commissioner

The District Commissioner,
District Office,
LONDON

Approved - I have read comments constituting the
above-mentioned report. My comments were not
issued to Mr. Hawkins as I considered the fact that of a
nature requiring action only at sub-district and district
headquarters level - and was requiring comment at
departmental headquarters level. However, since Mr.
Hawkins has desired to review his report in this capacity
my comments are as follows:-

- a) It is gratifying to note that the proposed road
route presents no obstacle to pedestrian crossings.
This will greatly facilitate the crossing of the
route and it is suggested that, whether crossing
Tottenham, the section from Tottenham to River
River should be opened within three (3) working
days.
- b) The present Administrative Division in the area
between Tottenham and River is not ideal. It is
suggested that the area between Tottenham and River
be divided into two parts, one part to be under the
control of the Tottenham sub-district and the other
part to be under the control of the River sub-district.
This division is suggested as a means of providing
a more logical and efficient administrative structure
in the area. It is suggested that the area between
Tottenham and River be divided into two parts, one
part to be under the control of the Tottenham sub-
district and the other part to be under the control
of the River sub-district. This division is suggested
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administrative structure in the area. It is suggested
that the area between Tottenham and River be divided
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the Tottenham sub-district and the other part to be
under the control of the River sub-district. This
division is suggested as a means of providing a more
logical and efficient administrative structure in the
area.

c.

or.

67-2-1
25-1-1

Sub-District Office,
T U F I .

26th March, 1971.

The District Commissioner,
Northern District,
POPONDETTA .

TUFI PATROL REPORT NO.4/1970-71

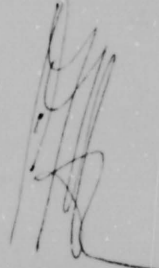
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- a) It is gratifying to note that the proposed road route presents no trouble to bulldozer working. This will greatly facilitate the opening of the route and it is estimated that, weather remaining favourable, the section from Wanigela to Ajova River should be opened within five (5) working days.
- b) The present Administrative Adviser to the Cape Nelson Council and his designated successor, Mr. Murray A.P.O. and Mr. Meatere T.P.O. respectively, are at the time of writing in the area to co-ordinate the working of the bulldozer and complementary hand-labour. Communications between Wanigela and Tufi have proven unreliable and this office has no progress report on the roadworks that should be underway by this date.
- c) Indigenous tree crop ventures at either end of this Wanigela-Itoto Point Road are most important as they represent the only economic developmental activities of any magnitude being undertaken by the people of this sub-district. The Wanigela sub-division will shortly open that end of the road, but no action has been taken to date to apply Land Tenure Conversion to coconut plantings in the vicinity of Itoto Point. Efforts should be made to secure this tenure conversion before interest wanes and the support of these settlers is lost.

(2)

①

For your comments and onforwarding, please.



(L.F.NOLAN)
Assistant District Commissioner

c.

or.



TERRITORY OF PAPUA AND NEW GUINEA

Telegrams
Telephone
Our Reference 67-2-1
If calling ask for
Mr.....

In Reply
Please Quote
No.

Department of the Administrator,
Division of District
Administration,
Sub District Office,
TUPI, Northern District.

22nd March, 1971.

The Assistant District Commissioner,
Sub District Office,
TUPI, Northern District.

PATROL : TUPI No 4 of 1970/71

DIARY

- 8th March 9.50 am departed by 'Ubuna' for Wanigela via Maniu and Itoto Point Settlement. Arrived Wanigela 1.45 pm. Slept Wanigela.
- 9th March AM walked over first section of proposed road with Peter Lawrie, Manager United Church plantation and Councillor Mark Taua. PM Peter radioed leaving message for his boss for instructions etc. Slept Wanigela.
- 10th March AM routine administration - shotgun renewals, banking etc. PM Peter radioed his boss. I radioed AIC Tafi reporting. 3.30 pm visit to United Church Plantation. Some routine administration there. Slept Wanigela.
- 11th March AM Wanigela airstrip supervising transporting of mining company's cargo from DC3 to their store by Council tractor. 12.00 midday departed Wanigela by 'Ubuna'. 2.45 pm arrived Tafi.

(D.G. Robbins)
Assistant Patrol Officer.

SITUATION REPORT

8

INTRODUCTION

This was a short patrol to the Wanigela area with the purpose of walking over the route of proposed road from Wanigela to Itoto Point. A letter dated 3rd March 1971 addressed to the Manager Utan Plantation a copy of which is attached as Schedule No 1 served as patrol instructions. The findings of this patrol are set out under the heading "Economic" below.

POLITICAL

During the course of the patrol the majority of time was spent attending to routine administrative matters such as shotgun permit renewals, banking, hearing complaints etc.

The only complaint worthy of recording in this report was one of stealing directed against a youth named Stephenson of Komabun. Apparently he spent nine months in prison in Moresby as soon as he was old enough to go to such an establishment for breaking and entering. Now that he is back in the Wanigela area he is regarded as the number one suspect in any petty stealing cases. The complaint brought to me was one of stealing cigarettes from a man named Barnabus. Councillor Sturgess and a supposed witness Prisca were present at the enquiry. Stephenson, when questioned, chose to remain silent giving the appearance that he should not be expected to remember what he stole a week before. As a satisfactory case could not be brought against him he was let off with a warning.

Geophoto company is investigating nickel deposits discovered by Papuan Nickel in Wowo Gap at the Southern boundary of Tufi Sub District. This company was reported as operating its camps out of Safia in the Popondetta Sub District (Refer Popondetta Patrol Report No 13 of 1970/71). They now appear to be operating out of Wanigela although I understand some charters still go to Safia for camps closer to that air strip. It is planned that a fortnightly ship will bring supplies and equipment around the coast from Port Moresby to Collingwood Bay. Other supplies are flown to Wanigela airstrip in DC3's. Movement of personnel, especially European, now appears to be more through Wanigela rather than Safia.

Two cases of disturbances in Geophoto's camps were reported. One involved the stealing of the Company's cash box containing about \$300.00. The other was a case of stealing a five gallon drum of methylated spirits. Police from Popondetta were in the camp investigating the Cash box stealing. They have now returned to Popondetta without any arrests arising from either incident. Both cases involved foreign labour in the remote camps and the people of this Sub District were in no way implicated.

ECONOMIC

The Cape Nelson Local Government Council plans to construct a road from Wanigela to Itoto Point with the assistance of Rural Development funds. Resettlement blocks on which coconuts will be grown for copra productions will be established on the coast at Itoto Point. It is planned that a wharf will later be built near Itoto Point to serve the blocks close by and those planned for the inland Wanigela Crown land.

(4)

The United Church have a plantation in the Wanigela area and the Council will hire the Mission's bulldozer for preliminary clearing of the route. The purpose of this patrol was to show the bulldozer driver over the proposed route prior to bringing the machine in. The bulldozer driver was not present however the Manager of the plantation, Peter Lawrie, who is also a bulldozer driver, walked over the track as far as the first kumai patch in the bush North of the Wanigela airstrip. A small gravel-sand bed creek winds through the light bush in the area traversed. A way around and over this creek was located and once over this section the Manager was satisfied that it is feasible to bring in the bulldozer and clear the entire route, the balance of which is made up of kumai patches and lowland rainforest similar to the forest around the Mission's plantation where clearing is in progress. Thus the patrol returned to Wanigela, having achieved its objective.

The Mission's bulldozer driver will be returning to Wanigela on 22nd March, 1971 and work will commence one or two days later. Mark Tana, a Councillor who is behind this project will go immediately before the bulldozer with a team of labour to clear a line of vision in the forest for the driver. The most suitable fording points over the few small creeks which will be encountered will also need to be located by Mark's team beforehand. This preliminary cutting commenced while I was at Wanigela.

Geophoto mining company offered to hire the Council tractor at \$5.00 an hour for carrying supplies etc from the beach or airstrip to a store shed on the Cridland's land. About ten labourers will also be employed by the Company for unloading boats and planes.

SOCIAL

Nothing worthy of recording under this heading was observed. This was a short patrol with limited contact with the people, the only contact being for routine administration.

D.G. Robbins
(D.G. Robbins)
Assistant Patrol Officer.

(3)

Sub-District Office,
TUPI.

3rd March, 1971.

The Manager,
Utan Plantation,
WANIGELA.

Dear Peter,

I hope you can recall when I visited Utan enquiring about the hire of your bulldozer. A few things have happened since then, with the result that today the Cape Nelson Council was paid a substantial sum to build the road from Wanigela to Itoto Point. Of this money \$1200 has initially been set aside for bulldozer hire - 80 hours running time at \$15.00 per hour.

Doug Robbins, the Patrol Officer, is to walk over the route with you as far as the Ajoiva River (if you are still interested in the job - and I sincerely hope you are) so that you will know what to expect. In short, the money is in the bank and we want to get started on the project as soon as possible.

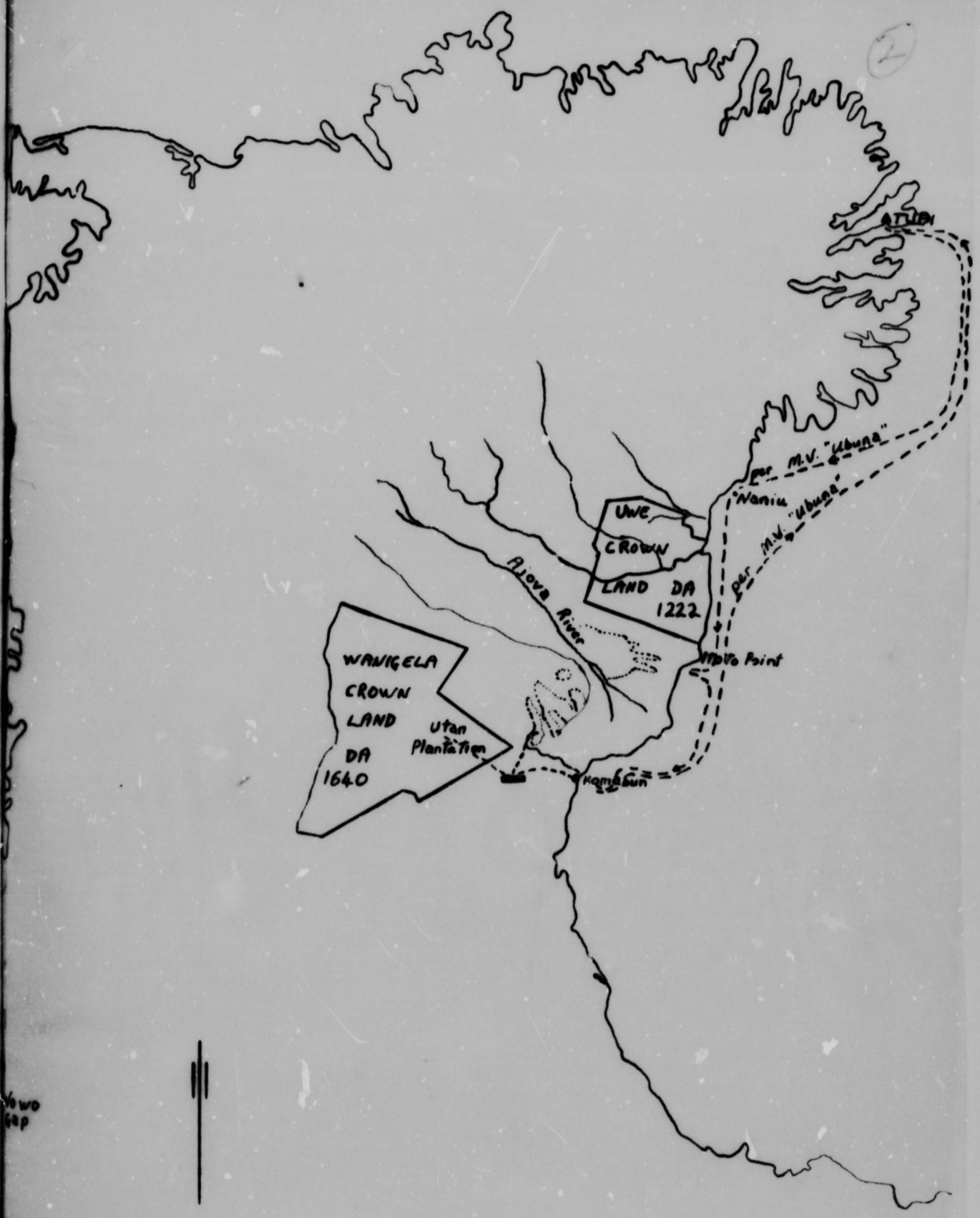
Doug has aerial photographs of the area and some labour from Itoto Point area to assist in determining the best route to follow up to the river.

The road itself would need to be located down the centre of a chain wide swathe felled by the 'dozer. Where the route traverses grass country a chain wide swathe cleared of grass, scrubs etc. will be needed. This will allow labour to work alot easier where drains, culverts etc will be required at a later date.

Regards to all at Utan.

(L.F. Nolan)
Assistant District Commissioner.

2



Scale:
1 inch = 4 miles

Kunai

TUFI PATROL No. 4 of 1970/71

Distance FROM VILLAGE

Distance

STUDENTS

Govt.

Mission

Males

Females

FEMALES

Prof.

Average Size

of Popul.

- Existing road
- Proposed road
- Traversed by Patrol

No. 4 of 1970/71

Reef

Swamp

Korai

Mangrove

Scale: 1 inch = 1000 metres

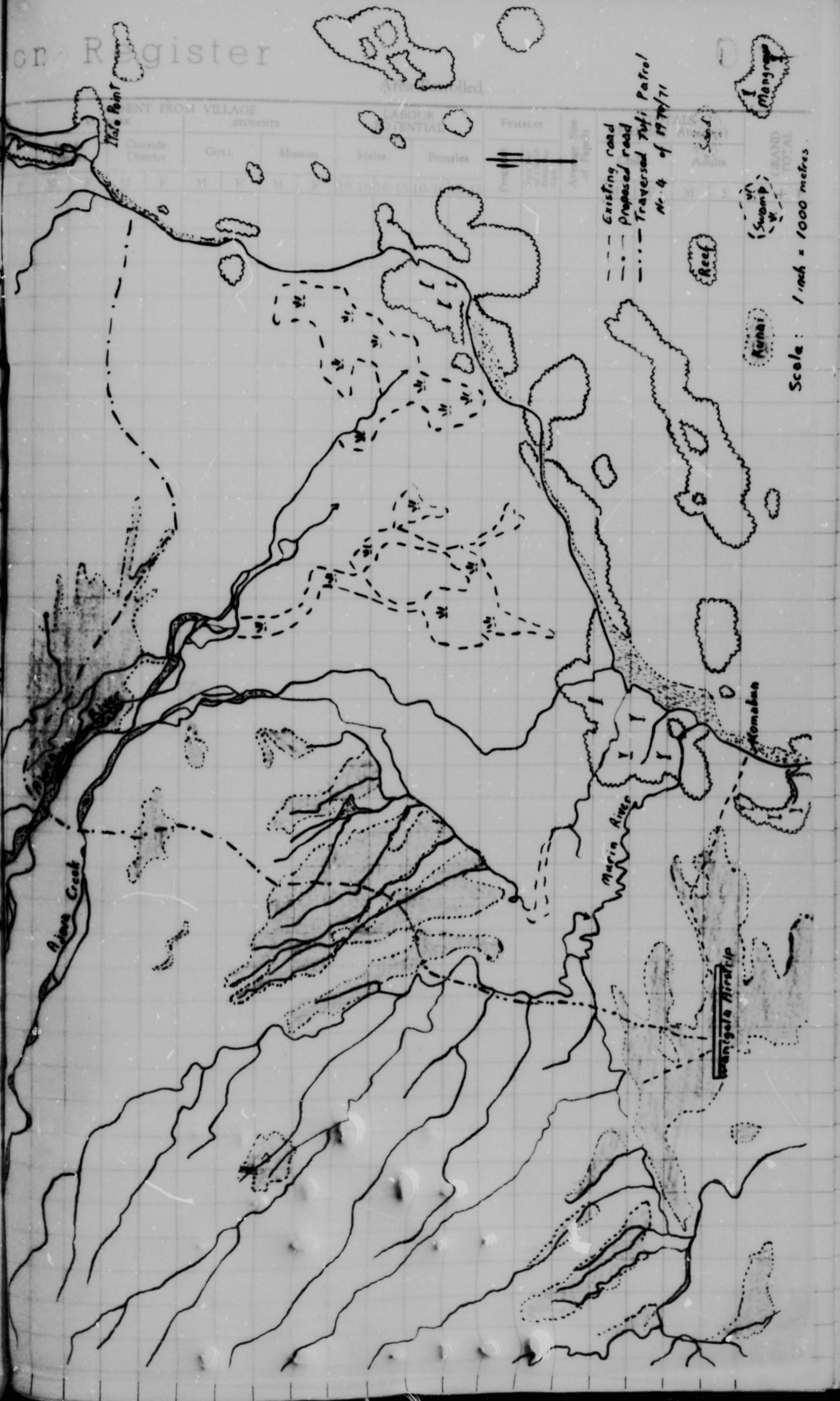
1970

Alava Creek

Marin River

Wanigala airstrip

Momabus



Amount Returned to Store



TERRITORY OF PAPUA AND NEW GUINEA

PATROL REPORT

District of NORTHERN Report No. 5 of 1970/71 - 2061

Patrol Conducted by J. A. MURRAY, A.P.O.

Area Patrolled PART COLLEENWOOD BAY CENSUS DIVISION

Patrol Accompanied by Europeans NIL

Natives LAIKEL MEI TARE, T.P.O.

LESTER BORA, CONST. R.P.N.G.C.

Duration—From 25/3/1971 to 5/4/1971

Number of Days 12

Did Medical Assistant Accompany? NO

Last Patrol to Area by—District Services 8/3/71

Medical/...../19.....

Map Reference MAP ATTACHED

Objects of Patrol ROUTE, MOUNTAIN SUPERVISOR INITIAL POINT TO

ITOP POINT ROAD

Director of Native Affairs,
PORT MORESBY.

Forwarded, please

District Commissioner

25/5/1971

Amount Paid for War Damage Compensation £.....

Amount Paid from P.N.E. Trust Fund £.....

Amount paid from P.E.D.P. Trust Fund £.....

FJM:JB

67-5-33

XXXXXXXXXXXX

Department of the Administrator,
KONEDOBU, PAPUA

13th August, 1971.

The District Commissioner,
Northern District,
POPONDETTA.

TUFI PATROL NO. 5 OF 1970/71

Your reference is 67-1-1 of 25th May, 1971.

I acknowledge with thanks receipt of abovementioned Patrol
Report by Mr. I.A. Murray.

T. W. Ellis
(T.W. ELLIS)
Secretary.

67-533

TERRITORY OF PAPUA AND NEW GUINEA.

67-1-1



Division of District Administration,
Department of the Administrator,
POPONDETTA. Northern District.

25th May, 1971.

The Secretary,
Department of the Administrator,
KONEDOBU.

TUFI PATROL REPORT NO. 5 OF 1970/71

I attach hereto a brief Report of a short Patrol to the Wanigela - Itoto Point area of the Tufi Sub-District mounted for the specific purpose of examining progress on an Rural District Works Road Project.

Mr. I.A. Murray, Assistant Patrol Officer who led the patrol was the Adviser to the Cape Nelson Local Government Council at the time.

Also enclosed are covering comments by Assistant District Commissioner, Tufi and the District Local Government Officer.

The Assistant District Commissioner, Tufi will be instructed to regularly inspect the Itoto Point wharf site during the forthcoming South East season with a view to confirming that the site is in fact sheltered in all weather.

(D.R. Marsh)
District Commissioner.

c.c. ~~The~~ Assistant District Commissioner,
TUFI.

The foregoing is for your information and appropriate action, please. A copy of District Local Government Officer's comments are attached.

(D.R. Marsh)
District Commissioner.

c.c. ~~The~~ District Local Government Officer,
POPONDETTA.

TERRITORY OF PAPUA AND NEW GUINEA

DIVISION OF DISTRICT ADMINISTRATION,
DEPARTMENT OF THE ADMINISTRATOR,
SUB-DISTRICT OFFICE, TUFI, N.I.
8th APRIL, 1971.

ASSISTANT DISTRICT COMMISSIONER,
SUB-DISTRICT OFFICE, TUFI, N.I.

TUFI PATROL No. 5/1970-71

INTRODUCTION:

The purpose of the patrol was to cut and mark a road route from the Wanigela airstrip to Itoto Point - a distance of approximately eight miles. The route chosen was to be such that a bulldozer (hired from Utan Plantation, near Wanigela) could be used for initial clearing.

The road is being constructed by the Cape Nelson Local Government Council as a Rural Development Fund project.

The people in the Itoto Point area are very keen to have the road put through , as it will make transport available to their blocks and provides a road for a proposed new school near the Ajova River. Wanigela people have also reacted favourably to the project, so no problems were anticipated regarding co-operation by the local people.

An existing track connects Wanigela and Itoto Point, but large sections of it are on swampy ground - it was not suitable for development into a road.

TERRITORY OF PAPUA AND NEW GUINEA

DIARY

- 25th March To Wanigela ex Tufi per M.V. "Ubuna"
Assisted in settlement of dispute between OMBRESAN
labourers and "Geophoto" mining co.
- 26th March To Utan Plantation to discuss 'dozer hire.
Walked proposed route cut by Mr. Robbins.
- 27th March Discussions with Cr. Gladstone Nad re labour, and
with Utan manager re 'dozer - at present u/s.
Checked possible tank site at eastern end of
airstrip - ground appears too soft.
- 28th March Sunday observed.
- 29th March With 4 labourers cut route for road as far as
heavy timber near Ajova River.
- 30th March Discussions with Aidan of Naukwate re routing of
road near Naukwate.
Mr. Tony White arrived and serviced Council tractor.
- 31st March Tax collections at Naukwate, Ombresan, Komabun,
Waiuge and Koreaf.
Addressed teachers and standard 6 of Anglican school
at Wanigela on Local Government.
- 1st April Walked road route with Utan plant operator Mr. Don
Middleton to determine creek crossings and route
through heavy timber.
- 2nd April Mark Taua and his men arrived, final marking
commenced.
- 3rd April Met Mark and company at the Ajova and cut back
through the trees, marking the creek crossings.
- 4th April Sunday observed.
- 5th April Bulldozer commenced work, cleared as far as the
Murin River.
Returned Tufi per dinghy.

Marking the Road

On the 25th March I walked through the grass adjacent to the Wanigela airstrip, looking for a potential route. A.P.O. D. Robbins had previously marked a possible route, but this was rejected as it cut through a swamp and tended to follow areas of timber, rather than grasslands.

Using four Komabun men, a route was cut across the Murin River a tributary, and through grasslands as far as the heavy timber bordering the Ajova River. A route through the timber and across the Ajova was not cut at this stage as the timber included many large trees, and there were several small, but steeply banked creeks. It was decided to wait until the bulldozer driver could see the area for himself.

The bulldozer was at this time undergoing repair and the driver was not able to walk the road until the 1st April. As well as deciding the final route I wanted also to clearly define the final section and for this purpose Cr. Mark Tawa arranged to bring seven men and camp with the driver and myself. However Mark and his men did not appear at the arranged time of 0700 and as the driver was pressed for time, we did not wait.

After some difficulty, a quite satisfactory route through the timber was found, and a ford across the Ajova. However with heavy rain both the Ajova and the Murin would be impassable.

The driver was satisfied that the construction of the road was within the bulldozer's capabilities, and during the next two days the route was cut and pegged.

Constructing the Road

The bulldozer commenced with five hours work on the 5th April, to take it as far as the Murin River - it was bogged twice, once in the remains of an old smoke-house and once in the soft bed of the Murin. It extricated itself without difficulty and seems quite capable of doing the work required.

On the grass sections the driver is merely flattening the grass and uprooting obstructing trees, to a width of ten feet - the width of the bulldozer blade. In the areas of bush, the driver works backwards and forwards across the line of the road, creating a width of about twenty-five feet. It is expected that there will be

TERRITORY OF PAPUA AND NEW GUINEA

SUFFICIENT FUNDS for the driver to later clear and widen the grass sections, and perhaps do some shaping.

A permanent force of eight labourers, consisting of men who have blocks near Itoto Point, is being employed to generally assist the bulldozer driver. Additional labour will need to be employed - digging drains, loading and spreading gravel, etc..

General

With the proposed wharf at Itoto Point, the road will assume a position of importance in the economic life of the area. Utan Plantation envisage considerable use of the road and planned wharf as they are developing large areas of their lease for cocoa. (Utan is being developed by the United Mission for handing over to indigenes.)

The recently ~~xxxxxx~~ surveyed settlement blocks at Wanigela will also be served by the road, as will large areas of village land.

The only unfavourable reaction to the project has come from Mr. A.E. Cridland, a resident in the area, who claims that a wharf at Itoto Point will be unserviceable during the South-east winds, which occur in the period May to September. He says during this season, the only safe harbour is at Wanigela.

At present ships anchor about two hundred yards offshore at Wanigela, which greatly hampers stevedoring.

Incidents

On arrival at Wanigela I was approached by Cr. Gladstone Ned who said some Oreresan men were likely to make trouble.

Apparently a group of Oreresan were recruited by "Geophoto P/L" to work at Weiwo Cap. The men stayed one month and then walked out. Their departure more or less coincided with the theft of the company cash box (investigated by Port Moresby police) which meant the men could not be paid. Because of the delay, the men were threatening, it was reported, to 'grab' Mr. T. Miller, who is immediately in charge, in order to get their wages.

Miller borrowed money from the Cridlands and paid the men.

~~XXXXXXXXXX~~


TERRITORY OF PAPUA AND NEW GUINEA

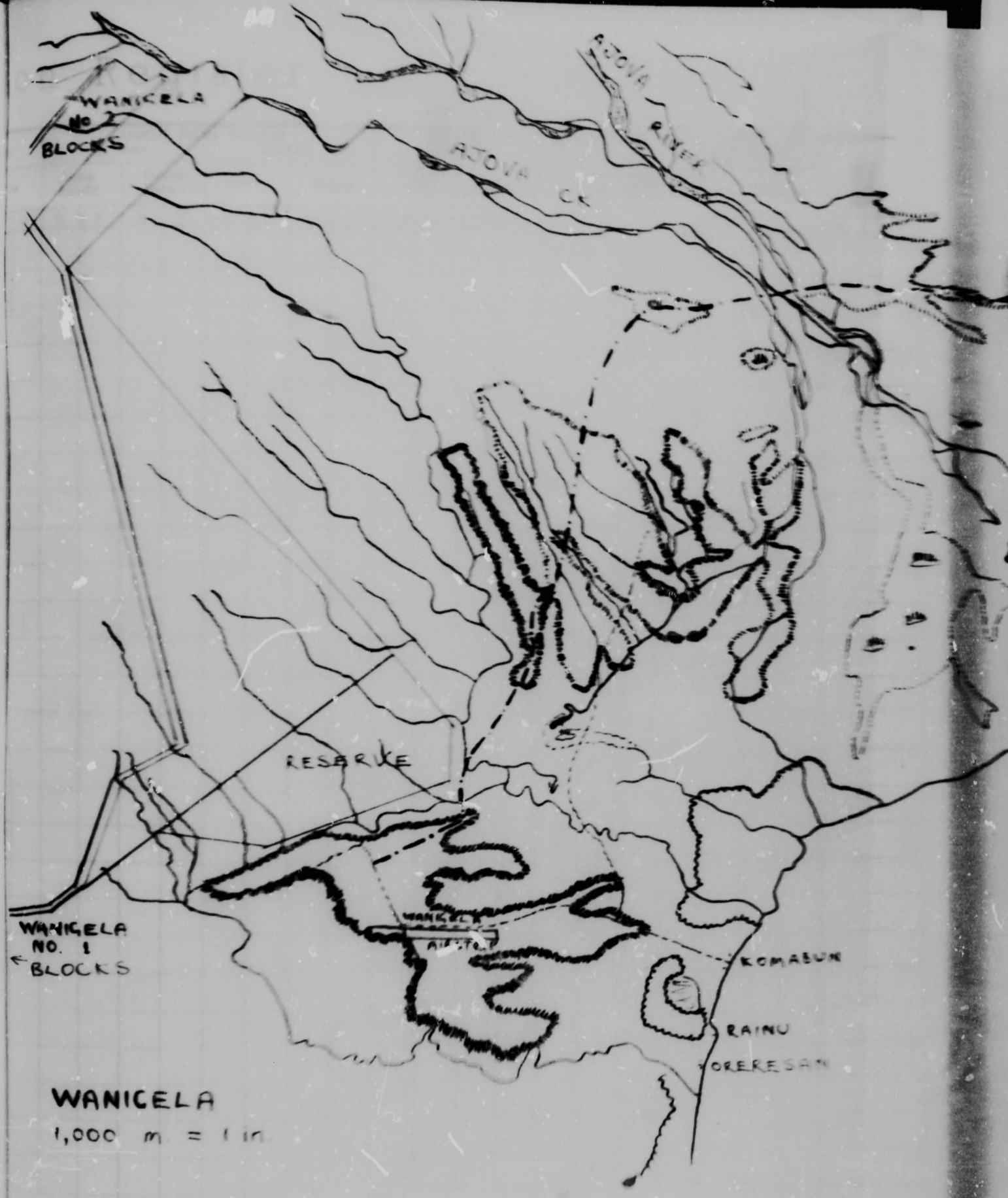
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Education

At the request of the headteacher of the Wanigela Anglican Mission school, I gave an address on 'Local Government' to the teachers and standard six pupils.

The main interest was in Council Finance, and capital works. Most were surprised at the amount of revenue in addition to tax money that the council needs to operate. Generally they appeared very interested, but it is apparent that most people in the area have little idea of how a council operates, and look on the council as a more or less alien institution, rather than as an organisation run by themselves, for themselves, through their own representatives.


I.A. MURRAY,
Assistant Patrol Officer.



WANIGELA
NO. 2
BLOCKS

ATOVA CK

ATOVA RIVER

RESERVE

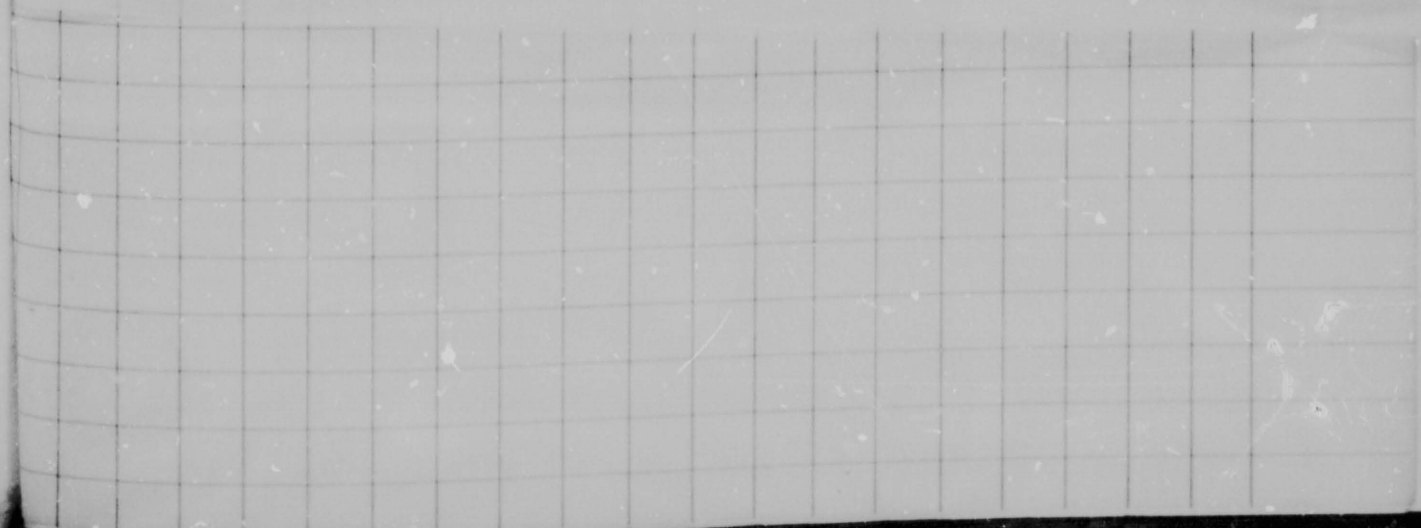
WANIGELA
NO. 1
BLOCKS

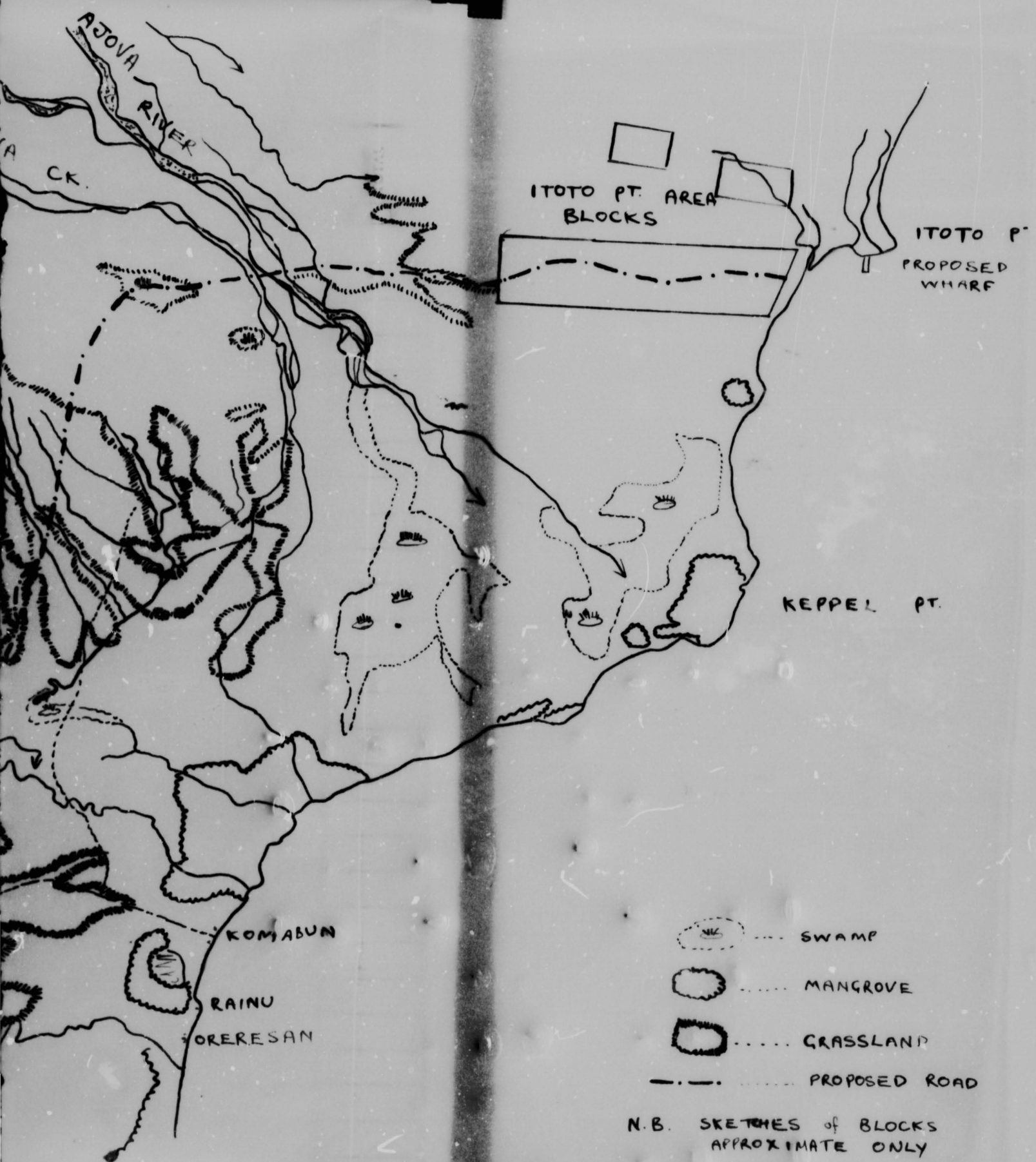
WANIGELA
AIRFIELD

KOMABUN

RAINU
ORERESAN

WANIGELA
1,000 m = 1 in.





N.B. SKETCHES of BLOCKS
APPROXIMATE ONLY

