

NATIONAL ARCHIVES & PUBLIC RECORDS SERVICES
OF PAPUA NEW GUINEA

PATROL REPORTS

DISTRICT: MOROBE

STATION: Kaiapit

VOLUME No: 4

ACCESSION No: 496.

1959 - 1960

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Papua New Guinea Patrol Reports

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[Volume 4]

PATROL REPORT OF: KAIAPIT

ACC. NO: 496

VOL. NO: 5 : 1959/60

NUMBERS OF REPORTS: 3

[4]

[illegible]

MOROBE DISTRICT PATROL REPORTS 1959/60

KAIAPIT

<u>Patrol No.</u>	<u>Officer Conducting Patrol.</u>	<u>Area Patrolled.</u>
3-59/60	F.N.Harris	Waffa Headwaters Census Division
6-59/60	M.F.Carroll	Atzera Census Division
2-59/60	T.J.Leabeater	Salamaua Coast



TERRITORY OF PAPUA AND NEW GUINEA

PATROL REPORT

District of MAROE Report No. 2-59/67

Patrol Conducted by T.J. LEABEATER A.D.O.

Area Patrolled SALAMUA COAST

Patrol Accompanied by Europeans P.J.K. BROADHURST C.P.O.

Natives.....

Duration—From 10/8/1959 to 22/8/1959

Number of Days 12

Did Medical Assistant Accompany? NO

Last Patrol to Area by—District Services 5/8/1958

Medical /18.....

Map Reference HURN GULF SPECIAL 2022 HM:1

Objects of Patrol CENSUS REVISION TAX AND ROUTINE
ADMINISTRATION

Director of Native Affairs,

PORT MORESBY.

Forwarded, please.

10/10/59

[Signature]
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 £.....

ould

MIC
In
M F

67-6-5

26th October, 1959.

The District Officer,
Morebe District,
LAE.

PATROL REPORT - SALAMAUA COASTAL

Receipt is acknowledged.

The Report conveys a reasonable
attitude to the Administration, and as an
initial submission by Mr. Broadhurst quite
a good effort.

har.
(A. H. Roberts)
Director



30/2/3 - 877.

TJL:MT

Department of Native Affairs,
Sub-District Office,
LAE.

9th October, 1959.

The District Officer,
District Office,
LAE.

PATROL REPORT-SALAMAU COASTAL CENSUS DIVISION.

Enclosed are two copies of a report on the above patrol submitted by Mr. P.J.K. Broadhurst, Cadet Patrol Officer, with claim for camping allowance attached.

Mr. Broadhurst accompanied the writer on this patrol but proceeded on posting to Finschhafen, three days after our return, to take over the Patrol Post at Pindiu.

As this was Mr. Broadhurst's first patrol, he was requested to submit a report as part of his training.

The main Memorandum of Patrol has already gone forward but there was some delay in receiving Mr. Broadhurst's not being an officer's signature on the report.

The report is quite well presented and I feel that this Officer, with experience, will be an asset to the service.

MINUTE:
30-1-6.
The Director,
Department of Native Affairs,
KONEDOBU.

District Office,
LAE. 16/10/59.

Forwarded for your information.
All matters brought up on this Patrol have been dealt with - see memorandum of Patrol previously submitted.

(Signature)
(P.J. Leabeater)
ASSISTANT DISTRICT OFFICER.

(Signature)
(P.J. Leabeater)
DISTRICT OFFICER

*Camping allow
Claim by
Processed
21/10*

DIARY.

Monday 10/8/59.

Patrol conducted by A.D.O. T.J. Leabeater and accompanied by C.P.O. P.J.K. Broadhurst. Departed Lae per M.V. "Morobe", 8.45 a.m. Arrived Lokanu 11.45 a.m. One Native disembarked. Continued on to Lababia, arriving 1.30 p.m. Patrol gear unloaded and carried to Village mile up coast. Arrived 2 p.m. Camp organized.

Tuesday 11/8/59.

Commenced Census and tax collecting Lababia 8 a.m. Completed Tax census sheets 3 p.m. Inspected Village and visited school. Some jagged pieces of flooring protruding from side of school - told to be removed. Remained overnight.

Wednesday 12/8/59.

7.40 a.m. departed Lababia by canoe for LOKANU. Arrived Lutheran Mission Saw Mill 11 a.m. Lunched. Departed Saw Mill by PINNAU 1 p.m. Arrived LOKANU 2 p.m. Revised Census. Remained overnight.

Thursday 13/8/59.

Commenced Tax collecting LOKANU 7.30 a.m. Completed 9.20 a.m. Inspected Village. Departed by canoe for LOGUI 9.45 a.m. arriving 11.30 a.m. Revised Census and collected tax 1.30 p.m. Inspected Village. Remained overnight.

Friday 14/8/59.

Departed LOGUI 7.45 a.m. for KEILA arriving 8.30 a.m. Revised Census, collected tax. Inspected Village. Departed 12 noon ASINI arriving 12.40. Revised Census and inspected Village. Remained overnight.

Saturday 15/8/59.

7.30 a.m. ASINI tax collected. Departed 10.30 a.m. for BUAKAP, arriving 11.00 a.m. Census revised for BUAKAP and WOMARU tax collected. Visited Malalo Mission Station in evening. Returned BUAKAP for night.

Sunday 16/8/59.

Morning compiled tax census sheet for BUAKAP and WOMARU.

Monday 17/8/59.

8 a.m. departed BUAKAP for BUSAMA arriving 9 a.m. Rain held up Census revision until 2 p.m. Census compiled and tax collected for AWOSA BUSAMA. Remained overnight.

Tuesday 18/8/59.

8 a.m. Census revised and tax collected for LUTU BUSAMA. Numerous absentees noted for LUTU BUSAMA. Proceeded to GWADO 1.00 p.m. arriving 2.10 p.m. Census and tax collected. Village inspected. One deceased dog destroyed. It was noted that the Mission intended to start a small Hydro-electric plant behind GWABLO at a small waterfall on BULA RIVER. Returned to BUSAMA for night.

Wednesday 19/8/59.

Rain held up progress. Remained at BUSAMA.

Thursday 20/8/59.

Departed BUSAMA for BUISSI 7.30 a.m. arriving 8.30 p.m. Road in

bad condition. BUMATU people gather at BUISSI. Tax collected and Census compiled for BUMATU and BUISSI. BUISSI Village inspected. Departed for WAKOP 12.05 p.m. arriving 12.55 p.m. Census and Tax compiled and collected. Village inspected. Departed for BUSAMA 3.30 p.m. arriving 4.30 p.m. Remained overnight.

Friday 21/8/59.

Morning, compiled tax census sheets and completed work regarding tax monies and census sheets.
Afternoon - A.D.O. Leabeater heard complaints. Remained overnight.

Saturday 22/8/59.

Departed Busama for Lae 8.30 a.m. per M.V. "Ealingo".
Arriving 11 p.m.

END OF DIARY.

SALAMAUA COASTAL PATROL 1959.

INTRODUCTION.

The SALAMAUA Coastal Census Division is located to the South of LAE, on the Eastern shores of the MOROBE District.

The topography of the area consists of mountainous ranges descending to the sea's edge, swamp lands between the ranges and beaches and the usual narrow coastal plains characteristic of the Eastern coast of Morobe District.

The Census Division lies within the Lae Sub-District boundaries, and the Patrol is conducted from Lae. The first Village visited is LABABIA to which the Patrol is taken by trawler. The last Village of the Census Division is BUISSI, from which at Busama the Patrol is picked up and taken back to LAE.

NATIVE AFFAIRS.

VILLAGES. There are thirteen Villages situated in the SALAMAUA Census Division, these being:-

- | | |
|-------------|------------------|
| 1. LABABIA. | 8. AWASA/BUSAMA. |
| 2. LOKANU. | 9. LUTU/BUSAMA. |
| 3. LOGUI. | 10. GWADO. |
| 4. KIELA. | 11. BUMATU. |
| 5. ASINI. | 12. BUISSI. |
| 6. BUAKAP. | 13. WAKOP. |
| 7. WOMASU. | |

Most of the Villages seen during the Patrol of the area were found to be clean and well kept. Seven Villages out of the thirteen are located on the actual shores of the Coast, the other six Villages are located a few miles inland. Square Pit-Pit huts with Sak-Sak roofing are characteristic of the area.

A.

This was the first Village visited by the Patrol. The housing conditions are good and the Village was found to be in a clean and tidy condition, although it was noted that many pigs were running loose in the Village grounds. The houses are well spaced and there are approximately thirty latrines in good order, serving the Villagers. The Rest House and Police quarters, located in the middle of the Village, are in good condition.

LOKANU.

This Village, like the above, is located on the beach. Fresh water is obtainable from streams running through the Village. Many of the houses in this Village have been built with sawn timbers obtained from the Mission Saw Mill at SAVET a few miles down the Coast from the Village.

There are only two latrines serving the population of this Village. One is located at the school, the other is situated over the sea, about twenty yards from the shore. The Villagers claimed they could not build effective latrines owing to the dampness of the ground, which causes cave-ins. This is really a false excuse as the people of LABABIA have built successful latrines under similar conditions. The people were therefore instructed to build more latrines.

LOGUI.

This Village is situated on the beach approximately one mile to the south of the pre-war Township of SALAMAGA. The general housing conditions were not as good as the last two Villages mentioned. Many houses are in need of repair. Fresh water is obtained from the "Soha" (Francisco) River close to the Village. There are approximately 25 latrines throughout the Village. The Rest house and Police quarters are in a fair condition.

KEILA.

This Village is located inland about one mile from the sea, and sits on a saddle or small plateau, which as regards health is a very practical position, as it provides good drainage. The housing is good and the Village was clean and well kept.

The water supply for the Village is obtained from a small mountain river flowing close to the Village and seems to be an adequate supply. There are 25 latrines serving the Village. The Rest house and Police quarters are both very well built and in good condition.

ASINI.

ASINI, like the above Village, is located on a narrow saddle and is located also about one mile from the sea.

Owing to the width of the saddle there is, in most places, only enough room for two houses to stand opposite each other with a space in between. This means that the Village is spread out over quite a long distance.

The Village was found to be clean and well kept with approximately 25 latrines throughout the area. An interesting feature of the Village is the number of fowl houses that have been built. Each house has its own elaborate fowl house, while there are only approximately two dozen fowls throughout the Village area. The Rest house, which overlooks the sea is well built and in good condition.

BUAKAP.

This Village is situated on the beach, close to Malalo Lutheran Mission Station. The Village was found to be in a clean and tidy condition and although some houses needed repair, the average condition of the buildings was good.

Fresh water is obtained from three rivers flowing through the Village. There are sufficient latrines serving the community. The Rest house and Police quarters were found to be in fairly good condition.

WOMASU.

This is a small hamlet located half a mile to the North, along the beach from BUAKAP. It is not a very impressive Hamlet - the housing is poor and the population on the whole are a sickly looking group of individual. The Hamlet was clean and tidy when the Patrol passed through.

AWASA and LUTU BUSAMA.

AWASA and LUTU BUSAMA are two Villages situated right next to each other. The apparent boundary is an imaginary line running through the middle of the Rest house, which is built where the two Villages meet.

The housing of the Village is good and sufficient latrines serve the communities. Fresh water is obtained from springs found close to the Village. The Rest House and Police Quarters are good.

GWADO.

GWADO is a Hamlet located about two miles inland from the sea. There are approximately six houses in the Hamlet all in a fairly good condition.

The Village was found to be clean and well kept. There is no rest house at the Village, but the people have built a shelter for the purpose of census taking and administration work.

BUISSI.

This Village is situated about two and a half miles from the sea. The housing is fair, although some are in need of repair. A first class medical aid post is situated at the Village.

The Rest House, although small is in good order and is fairly well kept. Sufficient latrines have been built by the Villagers. Fresh water is located close to the Village Grounds.

BUMATU.

This Village was not visited due to the heavy rains and high seas, which make access difficult. It is a short distance from BUISSI and the census was revised there.

AKOP.

The Village is situated about two and a half miles from the sea. The housing is fair, although some are in need of repair. A first class medical aid post is situated at the Village.

The Rest house, although small, is in good order, and is fairly well kept. Sufficient latrines have been built by the Villagers. Fresh water is located close to the Village Grounds.

ROAD.

From LABABIA to LOKANU and LOGUI the Patrol travelled by canoe.

The road from LOGUI to KEILA follows some of the old pre-war roads of SALAMAU. These roads have been well kept by the local Natives.

The road from KEILA to ASINI is also well kept and wide. From ASINI to BUAKAP, the road runs mainly along the beach, thus there is no up-keep necessary. The road from BUAKAP to the BUSAMAS runs through the Village Coconut groves, parallel to the beach. The road is wide and, although slushy in places, causing diversion to the beach, it is well kept. From BUSAMA to GWADO the BUAKAP/BUSAMA road continues and then cuts inland at right angles to the beach. As the road cuts inland, it becomes wet and muddy and is not in good condition, but this is not the fault of the local Natives but the prevailing weather.

The roads to BUISSI and WAKOP are similar to the above and are very swampy.

VILLAGE OFFICIALS.

The Village Officials of the area are friendly and co-operative. The only complaint against Village officers received was in the BUSAMAS, where the Medical Orderlies were reported to Mr. Leabeater by the Luluai for not carrying out their work to the satisfaction of the Village people.

It was noted that the Tultul of BUAKAP Village, MANKING, spoke very good English, which he had apparently learnt while working as a Personal Servant in Rabaul.

Another Village official worth noting is the Luluai of KEILA, who has recently come back from a world tour organised by the Lutheran Mission. He is the leader of the Mission congregation in the area, and therefore a rather influential man. The second Luluai of LABABIA - ARU, was at the time of the Patrol visiting in Lae.

The Luluai of GWADO does not speak Pidgin English and is the only Village official in the hamlet.

A list of the Village officials of the area is given below:-

<u>Village.</u>	<u>Luluai.</u>	<u>Tultul</u>	<u>A.P.O.</u>
Lababia.	MO and ARU.	GIDIRI	GUI.
Lokanu.	MAUWASAN	BEMBU	MASA.
Logui.	TAPARU	AUWASA	"
Keila.	GOWANG	TOA.	GOANG
Asini.	ASAP	-	MASA
Buakap	MIARU	MANKING	-
Wonasu	"	"	-
Awasa/Busama	GWALEYAH	MADU	
Iutu/Busama	AHEMPUM	NGAGELI	
Gwado	TIU		
Buissi		NANBOM	
Bumatu	TAMBOR	MASERI	LABUTALI
Wakop	SEPYUKWING	-	ANOBU

EDUCATION.

There are no Government Schools in the Census Division. All the schools in the area are under the guidance of the Lutheran Mission, whose Headquarters in the Census Division are at MALALO, close to BUAKAP Village.

The children do four years education at their Village schools and then do a further two years at MALALO Mission school.

The Villages and the number of students attending the Village Schools are listed below.

<u>Village.</u>	<u>Girls.</u>	<u>Boys.</u>	<u>Total.</u>	<u>Teacher.</u>
LABABIA	15	12	27	KATAPSA.
LOKANU	21	20	41	LUMANKI.
LOGUI	15	23	38	SAPI.
KEILA	14	14	28	AWANGI.
ASINI	18	15	33	BUAKI.
BUAKAP				
and				
WCMASU	19	16	35	SAPU.
LUTU/EUSAMA	20	28	48	ATALUS.
AWASA/BUSAMA	23	26	49	KEKWASI
GWADO	2	1	3	
WAKOP	10	15	25	AGI.

There is also a Girls' School, the equivalent of MALALO boys' school at BULA, where there are approximately 52 girls.

MISSION.

The Lutheran Mission is the only Missionary body in the area. The Headquarters are at Malalo, close to BUAKAP Village. The Missionary in charge is the Rev. Scherle assisted by his wife. A few miles up the coast, near GWADO Village, the Mission runs a girls school called Bula, which is run by two young Missionary girls.

The Mission controls all schooling in the area and has, as well as the Bula Girls' School, a large boys school at Malalo.

The people of the Salamaua area have organized themselves into a congregation, the ties of which are very strong. The Teacher of the congregation is GAWANG, the Luluai of Kiela, who has recently just come back from a world tour organized by the Mission.

HEALTH.

The General Health of the people of the area appears to be good. The Influenza epidemic, which spread throughout the highland areas, has not been very effective in the Salamaua Coastal area - few cases were reported.

The Salamaua Coast has been noted in the past for the numerous cases of T.B. that have developed in the area. This appears now to be well under control, and only a few cases a year are reported.

It was also noted in the area that there are numerous cases of leg deformities, the cause of which seems to be unknown.

There are many cases of *Tinea imbricata* in the area, a list of which is given below.

<u>Village.</u>	<u>Cases Approx.</u>
LABABIA	22
LOKANA	13
KEILA	2
ASINI	7
BUAKAP	7
WOMARU	2
BUSAMA	6
GWADO	1
BUMATU	3
BUISSI	4
WAKOP	5
Total:	<u>73 Cases.</u>

AGRICULTURE.

The main economic crop of area is Copra. Most Villages have large coconut groves and Copra drying sheds.

In some Villages like ASINI, cocoa is becoming an economic proposition for the local natives.

The last Agricultural Patrol through the area issued the Natives with lowland coffee beans, which the Natives are now clearing land for and planting.

The people of LOGUI who has been issued with coffee beans say they have no room for planting, and request that they be allowed to plant near the old Salamaua airstrip. The people of ASINI have planted most of their coffee already.

For home consumption and Loe market trading, the Village produce most Native coastal crops. These include taro, bananas, pit pit, kau kau, yams, corn, sugar cane, tomatoes and a few European greens. Taro, which, in the past, was attacked by the taro beetle is now growing successfully again.

LIVESTOCK.

There are no commercial livestock found in the SALAMAU coastal Census Division. All livestock is privately owned and for personal use. The Mission at MAILO has a few milking cows.

Numerous pigs are found throughout the area, and although the people have been told to fence them in, the pigs still run around the Village grounds. Some Villages have built fences in areas for their pigs, these being LABABIA and BUAKAP, but in most cases only a few of the Villages use these fenced in areas.

Animals found in the area include pigs, fowls, ducks (at GWADO), dogs and cats. At BUSAMA, the Patrol was supplied with eggs from local fowls.

The animals appear in fairly good condition, especially the fowls and ducks. Only one dog at GWADO had to be destroyed.

a

GRAT

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NATIVE AFFAIRS.

The people of the Salamaua coast were found to be friendly, co-operative and helpful during the patrol's visit. All Village officials were helpful and courteous. Few complaints were heard and no Court cases were carried out.

The regular pig problem, which has been a problem confronting Patrol Officers for the past few years came to light again. Numerous pigs were seen around most Villages. The Assistant District Officer warned the people of BUSAMA to have their pigs fenced within two weeks, as he intends to send a Native Affairs official to the Village to see that his instructions have been carried out.

The Economic development of the area, although slow, has developing potential. At the moment, the Natives are producing Copra as the main economic crop. In the near future, cocoa and coffee will be valuable monetary earners for the local Natives.

The fishing trade has possibilities, as the sea abounds in good edible fish. A profitable market is developing in Lae for this industry. The people of LABABIA have been selling fish to a small freezer boat, which regularly visits the area, but the people claim they do not receive much money for the fish they produce. After a weeks catch, they claim they only get ten shillings each for a weeks work, thus they say they will not produce any more fish. LOKANU and other Villages along the coast also produce fish.

The Village people of ASINI, KIELA, BUAKAP and BUMATU work with the Stevedoring Industry in Lae when required.

The peoples of the coastal areas are at a definite economic disadvantage as regards good arable land. A lot of the land area is swampy and mountainous.

Education throughout the area is well developed, and one Native, ALUNG of BUAKAP Village is at the moment studying in an Australian school. At the end of the last term he came tenth out of a class of twenty-seven.

The Sawet Saw Mill, a few miles to the south of LOKANU, provides employment for local Natives and a buying centre for their timber.

The Village of LOGUI is slowly being eroded away by the sea and the Francisco River. The Village is situated on the beach, where the river and the sea meet. Thus the cross currents produced are taking the beach away - already numerous coconut trees have been washed away. The Rest House and Police Quarters are in danger of going soon too.

It is quite probable that in the near future, the Village may have to be moved to a new location.

D.N.E.
Kove

30.3.37
103



TERRITORY OF PAPUA AND NEW GUINEA

PATROL REPORT

District of.....MOROBE..... Report No.....KAIAPIT No. 3-59/60.
Patrol Conducted by.....F.N. HARRIS P.O. Gr. 2.....M.F. CARROLL C.P.O.
Area Patrolled.....WARFA HEADWATERS CENSUS DIVISION.
Patrol Accompanied by Europeans.....NIL.....
Natives.....4.....
Duration—From 24./9./1959 to 10/10/1959
Number of Days.....17.....
Did Medical Assistant Accompany?.....NO.....
Last Patrol to Area by—District Services 21/11/1957
Medical 8/1959
Map Reference.....FOURMIL OF MARKHAM.
Objects of Patrol.....General Administration, Census, Compiling of tax
.....census sheets, Agricultural survey, Murder investigation.

DIRECTOR OF DISTRICT SERVICES
AND NATIVE AFFAIRS,
PORT MORESBY.

Forwarded, please.

27/10/59

Amount Paid for War Damage Compensation £.....
Amount Paid from D.N.E. Trust Fund £.....
Amount Paid from P.E.D.P. Trust Fund £.....

30.3.37

pula

MIGRA

In

M

155
67-6-7

13th November, 1959.

The District Officer,
Morebe District,
LA.

Patrol Report- Kaiapit No.3. 1959/60.

The WAFFA headwaters have always been difficult of access, and the Report indicates that patrolling is a very slow process to develop anyone. However, the people seem to be happy enough, and the more sophisticated appear to be holding their own, though the two newer groups are worse as regards the ratio Births/Deaths. Two years' survey is hardly indicative of general population trends. It might be that the area would be better off if a reasonable percentage went away to work. It often happens that a contact with a higher standard of living leads to an improvement at village level when the labourers return.

There does not seem to be much hope of economic development through cash cropping because of the hostile environment to reasonable communications.

Quite a good report of Mr. Carroll's observations.

A.A. Roberts
(A.A. Roberts.)
Director.

pula

MICRA



TERRITORY OF PAPUA AND NEW GUINEA

6-7.
67-16-6.

67-6-7 ✓

154

DNA/BJH



In Reply
Please Quote

No. 3C-1-3/1252

District Office,
Morobe District,
I. A. E.

29th October, 1959.

The Director,
Department of Native Affairs,
KONEDOBU.

PATROL REPORT KAIAPIT NO. 3-59/60.

...

I am forwarded for your information, Patrol Report submitted by Mr. M.F. Carroll, Cadet Patrol Officer.

Mr. Carroll was requested by the Assistant District Officer, Kaiapit to submit this Report purely for training purposes, as the Patrol was covered by the Senior Officer of the Patrol, Mr. F.N. Harris, Patrol Officer. Matters arising have already been dealt with.

Mr. Carroll has submitted a very creditable Report for such an inexperienced Officer.


D. N. Ashton).
DISTRICT OFFICER.

DNA/BJH

30-1-3/1252

District Office,
Morobe District,
L A E.

29th October, 1959.

The Director,
Department of Native Affairs,
KONELOBU.

PATROL REPORT KAIAPIT NO. 3-59/60.

... I am forwarded for your information, Patrol
Report submitted by Mr. M.F. Carroll, Cadet Patrol Officer.

Mr. Carroll was requested by the Assistant
District Officer, Kaiapit to submit this Report purely for
training purposes, as the Patrol was covered by the Senior
Officer of the Patrol, Mr. P.N. Harris, Patrol Officer.
Matters arising have already been dealt with.

Mr. Carroll has submitted a very creditable
Report for such an inexperienced Officer.

(D. J. [Signature])
DISTRICT OFFICER.

MEMORANDUM OF PATROL

Patrol No. 3/59-60 Subdistrict KAIAPIT District MOROBE
Officer Conducting Patrol F.N.Harris P.O.Gr.2: M.F.Carroll C.P.O.
Census Division Patrolled WAFFA HEADWATERS DIVISION
Objects of Patrol General Administration, Census Revision, Compilation of
Tax Register, Investigation alleged murder.
Date Patrol Commenced 24.9.59 Date Completed 10.10.59
Duration—days 17 days.

SUMMARY OF CORRESPONDENCE ARISING FROM PATROL

11-1-2	Alleged murder Gwaisir m.	13/10/59
14-1-1	Villages Gwaisiram and Tapanau.	"
30-1-1	Conduct of Patrol—M.F.Carroll C.P.O.	"
17-1-1	Agricultural Development - Waffa Headwaters	"

F.N.Harris
Patrolling Officer's Signature.
Patrol Officer Gr.2.

I certify that all necessary local administrative action has been or is being taken on matters arising out of this patrol and that the correspondence above indicated by a "tick" has been forwarded to the headquarters, Department of Native Affairs, Port Moresby.

[Signature]
District Officer.

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TERRITORY OF PAPUA AND NEW GUINEA

In Reply
Please Quote
No.

Sub-District Office,
KAIAPIT.

12th. Octol. 1959.

PATROL REPORT.

REPORT No.

Kaiapit No.3-59/60.

PATROL CONDUCTED BY

F. N. Harris. P.O.
M. F. Carroll. C.P.O.

PERSONNEL ACCOMPANYING

6 members of R.P.N.G.C. as follows:-

No.61112.A. J/Cpl. SAMAR.
No.9308 Constable NARUM.

2 personal servants.

AREA PATROLLED.

Waifa Headwaters Census Division.

DURATION OF PATROL.

17 days.

OBJECTS OF PATROL.

1. Routine Administration and inspection of villages.
2. Compiling of Tax Census Sheets.
3. Survey of Agricultural development in the area.
4. Investigation of alleged murder reported in Mr. D. P. Maroney's report Kaiapit No.2-57/58.

M. F. Carroll
M. F. Carroll.
Cadet Patrol Officer.

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KAIAPIT PATROL REPORT No. 3-59/60.

INTRODUCTION.

The Waffa Headwaters Census Division is situated at the southern end of the Kaiapit Sub-District, adjoining the Mumeng and Menyanya Sub-Districts. It is a rugged, mountainous area, isolated for much of the year from the rest of the Sub-District by the flooding of the Wamour and Waffa rivers, and their tributaries. For this reason political and economic development have been retarded, and this area is the most backward in the Sub-District.

The Waffa was last patrolled by Mr. D. P. Maroney in November 1957, and a Medical Patrol under Mr. A. A. Macgregor was through in August 1959.

During the course of the patrol two villages, Gwasiram and Tapansu were contacted. These villages had not been visited since 1951, when Mr. J. Sinclair, now A.D.O. Wau, conducted an initial census of both villages.

The Patrol was undertaken for the following reasons:-

1. Routine Administration and inspection of villages.
2. The compiling of tax census sheets.
3. To survey agricultural development in the area.
4. To investigate an alleged murder in the region of Gwasiram as reported in Mr. D. P. Maroney's Report Kaiapit No. 2-57/58.

DIARY.

Sept., 24th.

Departed Kaiapit, 1000', by Landrover at 8.15a.m. arriving at Markham river close to Mutsing village at 8.35a.m.. Carriers were assembled, and Patrol crossed the Markham and arrived Intoap village at 9.15a.m.. Proceeded on excellent walking road passing through Fuguap, Yatsing, and Itsingants, and arriving Guruf at 1.15p.m.. Carriers were paid.

Sept., 25th.

Departed Guruf 3.00a.m. on good road passed through Yanuf, arriving Gnarowein at 10.30a.m.. Carriers paid. Party dispatched to inspect Womoar river. Discussions with village Officials and a permanent carrier line recruited. Womoar up, but able to be crossed.

Sept., 26th.

Departed Gnarowein 650', at 8.00a.m. Arrived Womoar at 8.30a.m. crossed it, continued following bad walking track, crossing several streams, arriving Onunk rest house 12.30p.m.. Waffa river running high and party delayed.

Sept., 27th.

Observed waiting for Waffa to subside.

Sept., 28th.

Departed rest house 8.00a.m. crossed Waffa, Onunk situated on opposite bank. Census conducted and village and village inspected. Departed Onunk 800' at 10.00a.m. following course of Onunk for two hours. Coffee garden 30 minutes from village inspected. Patrol climbed to 2000' through rugged country, camped under canvas at 3.00p.m.

Sept., 29th.

Departed at 8.30a.m. cutting path through bush. Climbed to 3800' then down to Binank river 2700'. Met by some natives from

Gwasiram out hunting. Climbed to Gwasiram 4000', arriving 3.45p.m..

Sept., 30th.

At Gwasiram. Alleged murder investigated. Grave opened and body inspected. Parties dispatched to round up locals from surrounding hills for Census.

Oct., 1st.

At Gwasiram. People from Tapansu arrived with Village Book so Census was attempted. People of Gwasiram lined and census attempted.

Oct., 2nd.

Raining. Departed Gwasiram 8.20a.m. heading in a Nor'westerly direction. Followed the Binank river for 2 hours, then climbed to 5200'. Followed a tributary of the Waffa dropping to 2800'. Waffa bridged and crossed. Climbed to Waigwanun (Imani) 3200', arriving at 4.20p.m..

Oct., 3rd.

Village lined, census taken and tax register compiled. Village inspected. Discussions with village officials concerning suspected murderer Sangumis, believed hiding in the area.

Oct., 4th

Observed at Waigwanun.

Oct., 5th.

Departed Waigwanun 8.00a.m. arriving Urunt 2600', at 9.00a.m.. Village lined and census conducted. Tax register compiled and village inspected. Departed 10.30a.m., descended to 2000'. Waip river bridged and crossed. Climbed to 5000', then down to Siaga 4000', arriving 3.45p.m..

Oct., 6th.

Village lined and census conducted. Tax register compiled. Village and coffee inspected.

Oct., 7th.

Departed Siaga 8.45a.m.. Road fair. Dropped to 2600', climbed to 4200', then down to 3100', crossed a small river, then climbed to Tumbuna 4000', arriving at 11.00a.m.. Large number of Kainantu natives on trading mission camped at Tumbuna. Village lined and census commenced. Interrupted by rain.

Oct., 8th.

Census Tumbuna completed. Village and coffee inspected. Departed Tumbuna 11.00a.m. on excellent walking road, arriving Kusing 12.00p.m.. Village lined and census conducted. Tax register compiled. Village inspected.

Oct., 9th.

Departed Kusing 4200', at 9.00a.m.. Coffee inspected "en route". Passed through old site of Yasuru at 12.15p.m.. Descended to Womear river, crossed, and arrived Gnarowein at 3.30p.m..

Oct., 10th.

Departed Gnarowein 7.45a.m. on bicycles passed through Yanuf, Guruf, Lisingants, yatsing, and Poguap, arriving Intcap at 11.10a.m.. Crossed the Markham river and were met by the Kajapit Landrover. Proceeded to Iaiapit arriving at 12.05p.m..

End of diary.

NATIVE AFFAIRS.

There were no disputes requiring Court action brought to the notice of the Patrol. The people are content and the Patrol was well received in all villages.

The Patrol visited Gwasiram, the scene of the alleged murder. An investigation was carried out, and the body of the deceased, Aepikatu, disinterred. It was found that the left hand side of the victims chest had been smashed. Ma-umitso, who witnessed the murder, stated that the weapon used was a stone axe.

The two suspects, Worawokweis and Sangumis, were not contacted. Worawokweis is believed in the vicinity of Tapansu (Tapakanantu), and Sangumis in the Waigwanum area. The Patrol was accompanied by only two policemen, and did not have the equipment or supplies to carry out a search for the two men. Village Officials at Tapansu, Worawokweis and Waigwanum, have been instructed to bring the men to Kaiapit if they should appear in the villages.

AGRICULTURE AND LIVESTOCK.

The staple diet of these people is sweet potato, supplemented by taro, bananas, sugar cane, yam, etc.. Food supply is plentiful, however a shortage of sweet potato was noticed at Siaga. European vegetables potatoes, cabbage and pumpkin, have been introduced at Kusing and Tumbuna, but only in small amounts.

Coffee plantations were inspected as follows:-

Onunk.

A small area about 25 yards square was cleared, two or three shade trees were seen, but no coffee.

Waigwanum.

Waigwanum and Urint had joined in a joint venture. The people advised that their coffee had been destroyed by rats, which are supposed to do a deal of damage to their other crops.

Tumbuna and Siaga.

There was a small garden at each village. The plants appeared healthy, but were poorly spaced, about 4 feet apart, and were completely unshaded and exposed to the sun.

Kusing.

This plantation looks the most promising. An area of about 150 yards square has been cleared and fenced, and half of this area had been planted. The plants, like the others, were not shaded, and had been badly spaced. The Luluai of Kusing advised that he had visited Kainantu to purchase more plants and to study growing methods there.

It is hoped to have a Native Agricultural Assistant visit the area in the near future to rectify these faults, and educate the people in coffee growing.

There is a plentiful supply of pigs and dogs in the area. There are few fowls other than at Waigwanum, and most are owned by the Mission teachers.

MEDICAL AND HEALTH.

Health throughout the area was good. The Medical Assistant from Kaiapit conducted a Patrol in August and brought many cases of tropical ulcer, and supposed pneumonia back to Kaiapit for hospitalization.

Goitre is very prevalent especially at Tumbuna, where practically every adult female is suffering from this complaint. Some cases of tropical ulcer were also noted and treated.

A Medical Aid Post has been established at Siaga.

Previously the closest Aid Post was at Gnarowein in the Onga Census Division, two to three days walk from Waigwanum. It is hoped that a general improvement in health will be noted by the next Patrol to the Waffa.

Sanitation and hygiene arrangements were found satisfactory at all villages.

MISSIONS AND SCHOOLS.

The only Mission active in the area is the Lutheran, and it has evangelists at Waigwanum, Gwasiram, and Tapansu. The Mission is under the control of Rev. K. Holzknecht of Kaiapit.

Mission schools are established at Waigwanum, Siaga, Tumbuna, and Kusing. The schools are not very advanced, but the teachers are enthusiastic and have a strong influence on the village people. There are no Government schools in the Waffa, and no students away at government schools. Several are away at Mission schools at Lee and Chivising.

ROADS AND BRIDGES.

These are practically non-existent in the Waffa Census Division; the main reasons for this being the great distances between villages, the rugged terrain, and the sparse population.

There is no road from Onunk to Gwasiram, 12 hours, or from Gwasiram to Waigwanum, 8 hours. A track has been constructed between Waigwanum and Urint, and there are good walking roads linking Siaga, Tumbuna, and Kusing.

The larger rivers and streams are not bridged. Some of these have to be crossed several times before reaching one's destination. It is possible to patrol the Waffa, only during the dry season. i.e. between May and October.

VILLAGES AND VILLAGE OFFICIALS.

All villages were clean, and two, Waigwanum and Siaga, were fenced to keep pigs out. Reconstruction of housing was ordered at Onunk, Urint, and Siaga, where housing, particularly at Siaga, was very poor. Reconstruction had been ordered by previous patrols but little effort had been made to carry out these instructions.

Village Officials seem to have little, if any, idea of their functions. Few speak "pidgeon", and don't appear to have as much control of the people as has the mission teacher. Their functions were explained.

The Officials at Waigwanum were reprimanded for not sending some cases of tropical ulcer to the Aid Post for treatment.

Gwasiram is believed situated approximately 146 degrees 15 minutes East and 6 degrees 45 minutes South (reference Fournil of Markham); Tapansu is four hours march in a sou'easterly direction from Gwasiram, on the other side of the Namond river. It was not visited by the Patrol. They were originally patrolled from Mumeng.

Ma-umitso had been appointed provisional I-luai of Gwasiram by Mr. Sinclair. He seems an intelligent fellow and is obviously the leader of the group. Recommendation of this appointment will be made. The Luluai of Tapansu (old name Mainear-Kawawondipe) has since died and Me-nojo was appointed to replace him. Recommendation of this appointment will also be made.

CENSUS AND STATISTICS.

The census was revised and a population register is attached.

The last census was conducted in November 1957, and this census shows a decrease of six on the 1957 figure. Mr. Maroney noted in his report that the annual average natural decrease since 1952 had been 45.6 persons. In the two years since this report was submitted the decrease has been 26 persons yearly, some villages have registered slight increases; the new Aid Post at Siaga should help improve these figures.

Labour figures show only six men absent at work from a potential of 190. i.e. 3%.

ANTHROPOLOGY.

An attempt was made to glean some information from the people of Gwasiram. Land tenure in this area, and throughout the Waffa Census Division is patrilineal.

A young male lives with his mother till he is about six years old when his nose is pierced with bamboo or bone. He is then sent to live in a house with other boys from the village. Here he is taught the art of fighting and hunting. Females are forbidden to enter the house. He is marked for marriage at about his 13th. year, when two bones from the legs of a cassowary are fastened to his waist in the form of a belt. Marriage payments are only small a knife, or some shell, etc.. There is no limit to the number of wives a man may have.

APPENDIX "A".R.P.N.G.C. ACCOMPANYING PATROL.

<u>Reg. No.</u>	<u>Rank.</u>	<u>Name</u>	<u>Remarks.</u>
5111 P.A.	N/Cpl.	SAMAR	A good hard working N.C.O.
9608	Constable	NARUM	Intelligent and efficient.

Ch. F. Carroll
M. F. Carroll.
Cadet Patrol Officer.



VILLAGE POPULATION REGISTER

WAFFA HEADWATERS CENSUS DIVISION.

YEAR.....1959.....

Govt. Print.—7482/28.55.

VILLAGE	DATE OF CENSUS	BIRTHS		DEATHS												MIGRATIONS				ABSENT FROM VILLAGE				LABOUR POTENTIAL				FEMALES		Average Size of Family	TOTALS (excluding absentee)				GRAND TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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TERRITORY OF PAPUA AND NEW GUINEA

PATROL REPORT

District of MOROBE Report No. Kaiapit No. 6-59/60.

Patrol Conducted by M. E. Carroll C.P.O.

Area Patrolled Atzera Census Division.

Patrol Accompanied by Europeans Nil.

Natives Three

Duration—From 30/11/1959 to 11/12/1959.

Number of Days 12

Did Medical Assistant Accompany? No

Last Patrol to Area by—District Services 10/1959.

Medical/19.....


Map Reference Fourmil of Marham

Objects of Patrol Administration and inspection of villages, census,
roads and bridges, agricultural census, land investigation.

DIRECTOR OF DISTRICT SERVICES
AND NATIVE AFFAIRS,
PORT MORESBY.

Forwarded, please.

30/12/59


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 £.....

30.3.40

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MIG
In
M

67-6-10

11th January, 1960.

The District Officer,
Morobe District,
LAE.

KALAPIT PATROL NO.6./59-60.

I notice in many reports the tendency of junior officers to issue instructions that are not enforceable. It is not necessary to advise you that such a reliance on bluff is not only administratively unsound but when exercised upon sophisticated people, the bluff is in serious jeopardy of being called.

You may consider it worthy of your consideration to question young officers (during your periodic inspections) on their knowledge of the Native Administration Regulations and their powers as Police Officers upon promotion to the rank of Patrol Officer.

The ATZERA in the past were comparatively sophisticated due to the fact that they were regarded as one of the labour pools for the goldfields. It is good to note that they are doing something tangible to advance themselves economically. Their attitude towards the Administration appears to be quite good. At the stage pre war there was quite a deal of tension because of the use of abortifacients by the women on the grounds that they resented having and rearing children who disappeared for years as indentured labourers.

A very good report for an initial solo patrol.

(A.A. Roberts.)
Director.

DNA/BJH

30-1-3/1027



District Office,
Marobe District,
L A E.

30th December, 1959.

The Assistant District Officer,
Sub-District Office,
KAIAPIT.

KAIAPIT PATROL NO. 6 - 59/60.

Report on the above Patrol is acknowledged.
Mr. Carroll appears to have done a good patrol, and his report is quite well written.

Native Affairs. The block of land known as TSARUSURIANG is too small to be of use as a pastoral block, and unless the Natives are prepared to lease more land, it is not intended to proceed with the purchase of this block.

Agriculture and Livestock.

Point out to Mr. Carroll, Cadet Patrol Officer, that he should "request", or "advise" Natives to clean their plantations. He has no authority to "instruct". He should only give an instruction or order when he has the backing of Law. As a Cadet Patrol Officer, of course, he has no power, but draw his attention to the fact that when he is a Patrol Officer, most of his authority will stem from the Native Administration Regulations.

The District Agricultural Officer has advised that although the peanut market is now in a very poor state, he was given a quota of 160 tons, which has since been reduced to 100 tons for the first six months of the year 1960. He anticipates that this amount will take care of all Native peanut crops in the District.

Mr. Carroll's heading at the bottom of page 4 should be "Coconuts" and not "Copra".

Village Officials.

The Director, Department of Native Affairs, will be asked to approve the appointment of FUDSI BUAMPIN as Luluai of ANGA.

Mr. Carroll should be commended for submitting a good report of his first solo patrol. I am glad to note that either Mr. Harris or yourself managed to collect the tax during the time of this patrol..

This has now been done in separate memo.

[Signature]
District Officer.

→ c.c. The Director, Department of Native Affairs, KONE DCBU.

30.1.1.

Sub-District Office,
KAIAPIT.

22nd. December, 1959.

The District Officer,
Morobe District.
L.A.E.

KAIAPIT PATROL No.6/59-60.
ATZERA CENSUS DIVISION.


Forwarded, in triplicate, is Patrol Report covering the Atzera Census Division. The Report was written by Mr. M.P. Carroll, C.P.O., who conducted the patrol as his first solo patrol.

The Report is well set out and gives a clear picture of the area patrolled. An extra copy of Census Statistics, for Public Health Department, and Claim for Camping Allowance are also enclosed.

Comments on matters arising from the patrol are :-

1. It is revealed that the 2 blocks of land, between the Manlang and Umi Rivers, previously thought to be available for purchase are definitely not for sale. The 814 acre block, which is situated on the eastern side of the light traffic road to the Ufia/Umi bridges, is not a particularly good area, the soil is very gravelly, with little depth. It could possibly be of use as grazing land. Your advice as to whether you want any action to be taken in this matter is requested, please.
2. The dispute between the NASAWASIANG and BINIMAMP peoples over land and peanut farming has not yet been brought up by the Natives concerned. They have been told to come to the Station to discuss the matter with me.
3. The economic development of the area is still progressing slowly, but it is hoped to have the Natives process more copra in the future as well as attending to their peanuts, cacao and coffee. With more Natives at home, due to an apparent shortage of casual work in the Lower Markham Valley, labour to increase copra production should be readily available.
4. The provisional appointments of the Tal Tuls listed on page 6 of the Report have been confirmed, and it is recommended that the appointment of FUDSI-BUAMPAN, as Lulual of ANGA Village, be confirmed.

As Mr. Carroll attended the Ceremonies in each Village, either Mr. Harris, P.O., or myself, visited the Village and collected Personal Tax, a total of £662.0.0. was collected.


.....
R.W. Born.
ASSISTANT DISTRICT OFFICER.



TERRITORY OF PAPUA AND NEW GUINEA

In Reply
Please Quote

No.

Sub-District Office,
KAIAPIT.

14th. December 1959.

PATROL REPORT.

REPORT No.

Kaiapit No. 6-59/60.

PATROL CONDUCTED BY

M. F. Carroll. C.P.O.

PERSONNEL ACCOMPANYING.

members of R.P.N.G.C. as follows:-

No. 9238 Constable MAI.
No. 9632 " ORBANGAWA.
No. 9741 " KINEUTO.

1 personal servant.

AREA PATROLLED.

Atzera Census Division.

DURATION OF PATROL.

From Nov., 30th. to Dec., 11th..

No. OF DAYS ON PATROL.

12 days.

OBJECTS OF PATROL.

1. Routine Administration and inspection of villages.
2. Revision of census.
3. Inspection of roads and bridges.
4. To take an agricultural census of coconuts, cacao, coffee and peanuts.
5. To investigate the possibility of purchasing two blocks of land.

M. F. Carroll
M. F. CARROLL.
Cadet Patrol Officer.

KAIAPIT PATROL REPORT No. 6-59/60.

INTRODUCTION.

The Atzera Census Division was last patrolled by Mr. J.L. Hastings in September/October 1958. It comprises the area immediately surrounding the Sub-District headquarters, containing a group of 24 villages, the furthest being only 4 hours walk from the Sub-District Office.

All villages, with the exception of Anga, are contained in the parcel of ground bordered to the north by the foothills of the Finnisterre ranges, to the south by the Markham river, to the east by the Leron river, and to the west by the Umi river. Anga is situated on the southern bank of the Markham river $1\frac{1}{2}$ hours walk from Arifiran village.

The Census Division is all flat kunai country, lightly timbered, and varies from about 600 feet above sea level at the Leron river to about 1000 feet above sea level at the Umi river. It has a population of 4783, and is part of a linguistic group of about 12,000 people all speaking the Atzera language.

The patrol was undertaken for the following reasons:-

1. Routine Administration and inspection of villages.
2. Revision of census.
3. Inspection of roads and bridges.
4. To take an agricultural census of coconuts, cacao, coffee and peanuts.
5. To investigate the possibility of purchasing 600 acres of land west of the Maniang river, and also 5-6000 acres of land on the eastern bank of the Umi river.

DIARY.

Nov., 30th.

Departed Kaiapit 9.15a.m. by Landrover. Plantation belonging to Ragidumpiat and Bampiafum, inspected and counted. Arrived Mamaringan at 9.40a.m.. Village lined and census conducted - no complaints. Village inspected, and village coconut grove counted. Visited cacao gardens. Departed Mamaringan 1.15p.m. on good vehicular road, and arrived Bogabuang 1.50p.m.. Village lined and census conducted. A few minor complaints heard. Village inspected. Coconut plantation and village grove inspected and counted. Departed Bogabuang 4.25p.m. - inspected cacao gardens - arrived Sumangorum at 5.30p.m.. Camped at rest house.

Dec., 1st.

Sumangorum lined and census conducted. No complaints. Ta-ap lined and census conducted. No complaints. Both villages built on the same site, inspected, and coconut grove counted. Departed Sumangorum at 10.45 a.m. to visit village cacao and coffee gardens in foothills behind the village. Returned at 12.10p.m. Departed Sumangorum at 12.20p.m. on good road and arrived Wafibampun at 12.55p.m.. Census conducted and village inspected. Minor disputes heard and settled. Departed 4.05 on good road. Plantations belonging to Wafibampun, Maniang, Sangan and Ninsip, inspected and counted "en route". Arrived Sangan group (Sangan, Ninsip, Nasawasiang, Binimamp) at 6.20.p.m. Camped at Ninsip.

Dec. 2nd.

Ninsip lined and census conducted. Village inspected. Minor disputes heard. To Nasawasiang 5 minutes. Village lined and census conducted. Land dispute between Nasawasiang and Binimamp

villages, brought to the notice of the patrol, to be referred to the A.D.O. for action by the Native Lands Commissioner. Village inspected. One minute to Binimump. Census conducted and minor disputes heard. Village inspected. Cacao gardens of Binimump and Nasawasiang inspected. To Ninsip. Discussions with Officials from Ninsip, Binimump, Nasawasiang and Sangan, regarding land dispute between Umung of Nasawasiang and Auguts of Binimump.

Dec., 3rd.

Raining. Departed Ninsip at 7.30a.m. and arrived Sangan at 7.40a.m.. Village lined and census conducted. No complaints. Village inspected and coconut grove counted. Discussions with Officials regarding Ieara, a block of land the village is farming on the Lae side of the Leron river. Departed Sangan at 12.40p.m. and arrived Maniang at 1.00p.m.. Village lined and census conducted. Village inspected and coconut grove counted. No complaints. Camped at Maniang.

Dec., 4th.

Departed Maniang at 7.30a.m. and visited village cacao garden. Good road to Marangits and Suai, built on the same site. Arrived 9.25a.m.. Both villages lined at Suai. Both villages inspected and coconuts counted. Departed 1.00p.m. Coconut plantation belonging to Marangits and Suai inspected and counted "en route" Orori. Arrived Orori 1.30p.m.. Census conducted. Village inspected and village grove counted. No complaints. Departed Orori at 5.00p.m. for Mutsing. Orori plantation inspected and counted. Arrived Mutsing at 6.15p.m. and camped at C.D.W. rest house at Maniang river.

Dec., 5th.

Mutsing lined and census conducted. Village plantation visited and counted. Departed Mutsing at 11.30a.m. by Landrover. Plantation of Dabu counted. Arrived Antiragen 12.00p.m. Cargo deposited and continued on to Umi river to render assistance to four trucks for Goroka, delayed by the rising of the Umi. Plantations of Antiragen and Zumin inspected and counted. Back to Antiragen. Landrover returned to Kaiapit.

Dec., 6th.

Observed.

Dec., 7th.

Village lined and census conducted. Village inspected and coconuts counted. Some cases of grilli sent to Kaiapit for treatment. Departed Antiragen at 12.05p.m. for Zumin arriving at 12.20p.m. Village lined and census conducted. Discussions with Officials from Zumin and Antiragen regarding ground pressed for sale. Village inspected and coconuts counted. Departed Zumin at 4.00p.m. and arrived Arifiran at 4.10p.m.. Camped at Arifiran.

Dec., 8th.

Departed Arifiran at 6.30a.m., crossed the Markham river and arrived Anga at 8.00a.m. Village plantations visited and counted. Census conducted. No complaints. Village inspected. Departed Anga at 12.00p.m. and arrived Arifiran at 1.30p.m.. Census conducted at Arifiran. No complaints. Village plantation visited and counted. Village inspected.

Dec., 9th.

Departed Arifiran at 7.00a.m. on good road and arrived Dabu at 7.35a.m.. Village lined and census conducted. Discussions with Officials regarding land believed for sale. Village inspected and coconut grove counted. Departed Dabu 10.05a.m., crossed the

Maniang river, and arrived Wompua at 10.20a.m.. Census conducted. Discussions with village Officials concerning damage caused by Maniang. Village inspected. Plantation inspected. Departed Wompua at 2.05p.m., damage caused by Maniang noted. Arrived Gantisap at 3.05p.m.. Census conducted. Village inspected and coconuts counted. Camped at Ofofragen. (Gantisap and Ofofragen on same site.)

Dec., 10th.

Ofofragen lined and census conducted. Village inspected. Departed 11.00a.m. for Kaiapit. Cacao gardens of Gantisap and Ofofragen inspected. Arrived Kaiapit 12.00p.m.. Census conducted and village inspected. No disputes. Cacao gardens visited.

Dec., 11th.

To Ragidumpiat 15 minutes. Ragidumpiat (Ragidumpiat and Bampiafum, one village book) lined and census conducted. Ragidumpiat inspected. Departed Ragidumpiat at 9.30a.m. and arrived Bampiafum at 10.05a.m.. Village inspected. Departed Bampiafum at 10.30a.m. and arrived Station at 10.50a.m..

End of diary.

NATIVE AFFAIRS.

With all villages being within a few hours of the Sub-District Office, all disputes requiring court action are readily brought before the Officer-in-charge. Most disputes heard during the course of the patrol were of a minor nature, and were easily settled by arbitration.

A dispute has arisen between Umung of Nasawasiang and Auguts of Binimump, over ownership of a block of ground, Naruof, on which Auguts is farming peanuts. The project started as a joint venture with, as Umung claims, Auguts supplying the tractor and he the land. The trouble began when Uruk of Binmump committed adultery with the female Nubunump of Nasawasiang. As a result the Nasawasiang's withdrew from the venture.

The owners of the 600 acres of ground west of the Maniang river, and the 6000 acres of ground on the eastern bank of the Umi river, state that they do not wish to sell these blocks. However the villages of Ofofragen, Gainarun and Narutsaniang, state that they wish to sell "Tsarusuriang". This block was surveyed by Mr. D.P. Maromey, in June 1958; his 34-1-1/55 of the 14th. June 1958 refers. It is an area of 814 acres.

AGRICULTURE AND LIVESTOCK.

The main staple of the Atzera, especially of the people in the centre of the valley, is banana. It has only been with the introduction of European vegetables beans, cabbages, pineapples, onions, etc., to these centre villages, that this diet of bananas has been supplemented to any great extent. Of course coconuts are eaten extensively, the meat of the coconut being grated and cooked together with the bananas. More coconuts are eaten than are processed into copra.

There are two main types of banana planted, the red banana or "chirap", and the white banana or "karapoi". The "chirap" is planted first, and after the initial crop, or about six months, is replaced by the "karapoi" a much hardier tree, which is left in the garden for periods of up to 5 or 6 years.

Sweet potato, yam and taro, form an important part in the diet of the people living on the outer fringe of the valley. These people own ground in the mountains and have their gardens there.

One of the main objects of the patrol was to take an agricultural census of cash crops in the area.

Copra. Copra is the main cash crop in the area, but due to the introduction of newer crops, peanuts and cacao, the people are neglecting copra for these newer pursuits. This is a pity as there are over 20,000 mature trees in the Atzera, but only a negligible amount of copra is being worked. All copra in the area is sun dried on raised platforms within the villages. All villages have young plantations, which have been planted and spaced correctly, and are due to have their first crop in two or three years time. All plantations are overgrown with kunai, and the villagers were instructed to clean them. Account of coconuts is given below.

Cacao. The people are now engaged in planting cacao. This should do well in the Atzera, as the fertile soils, the hot dry climate and the yearly rainfall of 90 inches, should be admirably suited to the growing of this crop.

A total of 32,500 trees have been planted, or are in the process of being planted. All gardens inspected were in excellent condition, with shade trees planted and growing to a height of nine feet or more. A count of cacao plantins is given below.

Peanuts. Several villages are involved in peanut farming, which has been greatly aided by mechanised machines. Three villages, Sangan, Binimump and Marangits, have tractors complete with plough and harrows. Sangan is farming a block of land, Leara, three miles east of the Leron river, and have about 30 acres planted. Binimump have 60 acres of ground planted on Naruof, over which they are disputing ownership with Nasawasiang. Two other villages, Marangits and Ragidumpiat, have 10 and 20 acres planted respectively.

Coffee. There are only minor plantings of this crop in the Atzera area, at Gantisap, Mamaringan and Sumangorum. All these gardens are situated in the foothills behind the villages. They are all well shaded and are bearing.

Pigs are plentiful in all villages, these are in good condition and are well fed. Quite a number of fowls were also noted. Two villages had cattle, there are two at Binimump and four at Gantisap. The Lutheran mission also has fourteen head. These are all in excellent condition, free from tick, and a recent survey by the Dept. of Agriculture show them to be free from T.B.. Goats were noticed in a few villages. There are about 10 in the Atzera area, all in excellent condition, but it was noted that the number has not increased over the years.

Now that a European Agricultural Officer has been posted to the Sub-District it is expected that economic development in the area will be greatly accelerated.

<u>Village.</u>	<u>Copra.</u>		<u>Cacao.</u>	<u>Peanuts.</u> <u>Acres.</u>	<u>Coffee.</u>
	<u>Old.</u>	<u>New.</u>			
Mamaringan.	661	563			156
Bogabuang.	1129	280	1500		
Sumangorum	656		8000		680
Wafibempun	225	132	500		
	2671	1275	10000		836

<u>Village.</u>	<u>Copra.</u>		<u>Cacao</u>	<u>Peanuts</u> <u>Acres.</u>	<u>Coffee.</u>
	<u>Old</u>	<u>New.</u>			
C/F.	2671	1275	10000		836
Ninsip	2123	493	1500		
Nasawasiang	1363	1800	1500		
Binimump	904	805	2500	60	
Sangan	2215	1363	3500	30	
Maniang	1290	784	2000		
Marangits	710	624		10	
Orori	930	1728			
Mutsing	132	792			
Antiragen	1740	1089	1000		
Zumin	1310	1320	1000		
Arifiran	1342	2184			
Anga	586	1070			
Dab	324	420			
Wc	1081	966			
Gan	1216	630	3500		1200
Ofofragen	433	601	1000		396
Kaiapit	2360	2600	3500		
Ragidumpiat	2300	375	500	20	
<u>Total.</u>	<u>25030</u>	<u>20919</u>	<u>32500</u>	<u>120</u>	<u>2432</u>

MEDICAL AND HEALTH.

Health throughout the Atzera was excellent. There were some cases of Grilli noted in the Zumin group of villages, but these were the only complaints noted during the patrol. There are two aid posts in the area, one at Sangan which looks after Ta-ap, Sumangorum, Wafibampun, and the Sangan group, and another at Arifiran which controls the Zumin group. There is a modern native hospital at Kaiapit under the direction of a very competent Medical Assistant, Mr. A. Macgregor. However the people show a reluctance to visit the hospital except for serious illnesses. They also show a reluctance to bring females in childbirth to the hospital. An Infant Welfare Officer now visits the area once a month and she reports favourably on the health of the children.

Sanitation and hygiene arrangements were found satisfactory in all villages. All villages were clean.

EDUCATION.

The education standard is not high, but is considerably higher than in other areas of the Sub-District. There are two Primary "T" Schools operated by the Dept. of Education, one at Sangan and the other at the Government Station. The Station school has a staff of two Papuan teachers and a roll call of 56 pupils, with classes from standards two to five. The Sangan school has two teachers, and 51 pupils from standards one to three.

Village schools are operated by the Lutheran Mission, and a total of 272 children attend these schools which are located at all the larger villages. All schooling is done in the Yabin tongue, and the standard is very low. No schools were visited during the patrol as they were all closed for the Christmas holidays.

It is expected that the education standard will rise now that an Education Officer visits the area. He usually conducts classes in teaching for the Mission teachers.

ROADS AND BRIDGES.

A good network of vehicular roads connects all villages in the area. However, during the wet season many of the roads, particularly in the region of Kaiapit station, are flooded by the Maniang river. Some of the road between the Station and Mutsing is now under water.

These roads are put to plenty of use by the several village trucks which are owned by the Atzera people. Most of these trucks are a permanent drain on the finances of their owners, and are continually breaking down. The only one that appears to be run at a profit is the Kaiapit Village Society truck, which has had a contract to carry stores to Kaiapit at 3d. per pound.

The eastern approach of the Maniang bridge is in danger of being washed away by the river, as was the case earlier in the year. Part of the approach has sunk to a foot below the level of the bridge. This may be rectified by putting "baskets" along the river bank for 25 to 30 yards upstream.

VILLAGES AND VILLAGE OFFICIALS.

All villages visited were found clean, but housing throughout the area was found to be very poor, due to the shortage of suitable building materials. The Luluais of several villages were instructed to have certain houses in each villages either rebuilt or repaired.

Dabu village, situated on the western bank of the Maniang river, is in danger of being flooded, and the people wish to move to a new site. It is possible to walk straight from the village onto the bed of the Maniang. In fact parts of the river bed are on a higher level than the village.

The following were found to be acting as Tultuls, but no record of their appointments is available:-

Kuas of Wafibampun,
Magas of Binimump,
Faya of Ninsip,
Murumut of Antiragen.

It is recommended their appointments be confirmed.

Fudsi/Busman has been acting Luluai of Anga, since the previous Luluai Auwar was imprisoned for killing his wife. Fudsi is the Tultul, and previous to that had been a policeman for seven years.

The people are desirous Sinang/Tsumiap be made Tultul. He is an energetic man and was previously a village councilor.

CENSUS AND STATISTICS.

There was a natural increase of 2.35% on last years figure. i.e. from 4,673 in 1958 to 4,783 in 1959. There was a total of 231 births as against 93 deaths.

Absentecism was not as high as in previous years, 25.2% as compared with 38.3% in 1955, and 33.3% in 1958. This is probably due to the collapse of the peanut market, and the subsequent lack of employment on European peanut farms in the Lower Markham Valley.

Student absentees were not noted, as all schools were closed and the children back in their villages.

MISSIONS.

The Lutheran is the only mission active in the area. There is a Mission station at Kaiapit under the control of the Rev. K. Holzknicht. There is also a trained European nurse at the Mission station. The mission has been active in the area for many years and has a strong influence on the lives of the people.

ANTHROPOLOGICAL NOTES.

Nothing of interest was noted during the patrol.

CONCLUSION.

The Atzera Census Division is the most advanced area, both culturally and economically, in the Sub-District. It is expected that the formation of the proposed Local Government Council, and the bridging of the Leron river within the next few years, will hasten development in the area.

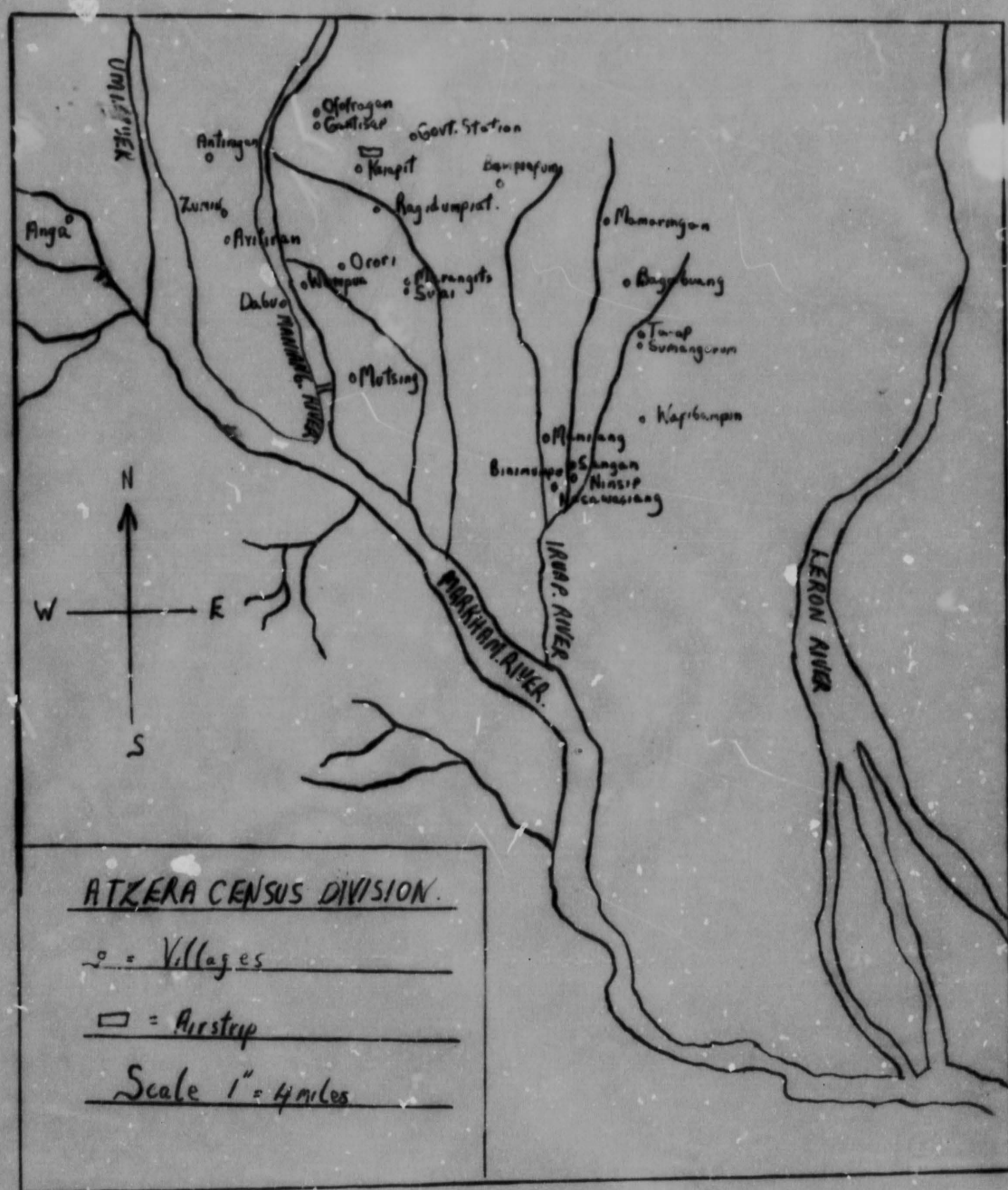
M. F. Carroll
M. F. CARROLL.
Cadet Patrol Officer.

"APPENDIX "A".

R. P. N. G. C. ACCOMPANYING PATROL.

<u>Reg. No.</u>	<u>Rank.</u>	<u>Name.</u>	<u>Remarks.</u>
9238	Constable	MAI.	Intelligent and efficient.
9632	Constable	ORBANGAWE.	A good conscientious man.
9741	Constable	KINEUTO.	A hardworking policeman.

M. F. Carroll
M. F. CARROLL.
Cadet Patrol Officer.



VILLAGE POPULATION REGISTER

YEAR 1959

ATZERA CENSUS DIVISION

Govt. Print.—7038/7.53

VILLAGE	DATE OF CENSUS	BIRTHS		DEATHS												MIGRATIONS				ABSENT FROM VILLAGE AT WORK				STUDENTS				LABOUR POTENTIAL				FEMALES		Size of Family	TOTALS (excluding absentee)				GRAND TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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VILLAGE POPULATION REGISTER

YEAR 1959

ATZERA CENSUS DIVISION.

Govt. Print.—7028/7.55.

VILLAGE	DATE OF CENSUS	BIRTHS		DEATHS												MIGRATIONS				ABSENT FROM VILLAGE				LABOUR POTENTIAL				FEMALES		Average Size of Family	TOTALS (excluding absentees)				GRAND TOTAL				
				0-1 Mth.		0-1 Year		1-4		5-8		9-13		Over 13		Females in Child Birth	IN		OUT		At Work		STUDENTS		MALES		FEMALES		Pregnant		Number of Child-bearing age	Child	Adults						
		M	F	M	F	M	F	M	F	M	F	M	F	M	F		M	F	M	F	M	F	M	F	M	F	M	F					M	F		M	F	M+F	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		M	F	M	F		M+F			
Anga	Dec. 8th	2	2			1								1	1			1		1	2	1	14					12	36	1	13	3	44	1.6	32	25	28	50	152
Ant ragen	7th	6	7			1	2							3	3			1		2	16	5	6	1				24	67	15	59	3	70	2.0	54	59	57	72	270
Ofof ragen	10th	2	3			1	1											2	1		15	4	3					20	43	14	34	1	41	3.3	54	44	34	44	196
Gat tiseap	9th	3	8	1	1	1								2	2			1	3	3	14	5	11	1				12	57	13	41	2	50	2.7	56	52	47	55	241
Kaipit	10th	11	11			1								1	2	1		3		2	31	8	15					33	94	21	77	4	92	2.1	86	87	69	94	390
Rag dumptia	11th	3	2			1	1							1				2	2	23	6	1						7	42	11	46	4	50	1.9	36	6	35	56	206
		113	118	3	3	9	13	6	4	1	1			26	25	2	7	13	8	43	32	95	65	5				312	1132	286	981	53	1191		1233	1016	866	1216	4785

Sub-District Office,
KAIAPIT.

14th. December 1959.

PATROL REPORT.

REPORT No.

Kaiapit No. 6-59/60.

PATROL CONDUCTED BY

M. P. Carroll. C.P.O.

PERSONNEL ACCOMPANYING.

3 members of R.P.N.S.C. as follows:-

No. 9238 Constable MAI.
No. 9632 " OSBANGANE.
No. 9741 " KINEUTO.

1 personal servant.

AREA PATROLLED.

Atzera Census Division.

DURATION OF PATROL.

From Nov., 30th. to Dec., 11th..

No. OF DAYS ON PATROL.

12 days.

OBJECTS OF PATROL.

1. Routine Administration and inspection of villages.
2. Revision of census.
3. Inspection of roads and bridges.
4. To take an agricultural census on coconuts, cacao, coffee and peanuts.
5. To investigate the possibility of purchasing two blocks of land.

M. P. Carroll
M. P. CARROLL.
Cadet Patrol Officer.

KALAPIT PATROL REPORT No. C-52/60.

The Atzera Census Division was last patrolled by Mr. J.I. Hastings in September/October 1958. It comprises the area immediately surrounding the Sub-District headquarters, containing a group of 24 villages, the furthest being only 4 hours walk from the Sub-District Office.

All villages, with the exception of Anga, are contained in the parcel of land bordered to the north by the foothills of the Finnisterre range, to the south by the Markham river, to the east by the Leron river, and to the west by the Umi river. Anga is situated on the southern bank of the Markham river 1½ hours walk from Arifiran village.

The Census Division is all flat kumai country, lightly timbered, and varies from about 600 feet above sea level at the Leron river to about 1000 feet above sea level at the Umi river. It has a population of 4783, and is part of a linguistic group of about 12,000 people all speaking the Atzera language.

The patrol was undertaken for the following reasons:-

1. Routine Administration and inspection of villages.
2. Revision of census.
3. Inspection of roads and bridges.
4. To take an agricultural census of coconuts, cacao, coffee and peanuts.
5. To investigate the possibility of purchasing 600 acres of land west of the Maniang river, and also 5-6000 acres of land on the eastern bank of the Umi river.

DIARY.

Nov., 30th.

Departed Kalapit 9.15a.m. by Landrover. Plantation belonging to Ragiadumpiat and Bampiafum, inspected and counted. Arrived Namaringan at 9.40a.m.. Village lined and census conducted - no complaints. Village inspected, and village coconut grove counted. Visited cacao gardens. Departed Namaringan 1.15p.m. on good vehicular road, and arrived Bogabuang 1.50p.m.. Village lined and census conducted. A few minor complaints heard. Village inspected. Coconut plantation and village grove inspected and counted. Departed Bogabuang 4.25p.m. - inspected cacao gardens - arrived Sumangorum at 5.30p.m.. Camped at rest house.

Dec., 1st.

Sumangorum lined and census conducted. No complaints. Ta-ap lined and census conducted. No complaints. Both villages built on the same site, inspected, and coconut grove counted. Departed Sumangorum at 10.45 a.m. to visit village cacao and coffee gardens in foothills behind the village. Returned at 12.10p.m. Departed Sumangorum at 12.20p.m. on good road and arrived Wafibampun at 12.55p.m.. Census conducted and village inspected. Minor disputes heard and settled. Departed 4.05 on good road. Plantations belonging to Wafibampun, Maniang, Sangar and Ninsip, inspected and counted "en route". Arrived Sengan group (Sangan, Ninsip, Nasawasiang, and Bininsup) at 6.20p.m. Camped at Ninsip.

Dec., 2nd.

Ninsip lined and census conducted. Village inspected. Minor disputes heard. To Nasawasiang 5 minutes. Village lined and census conducted. Land dispute between Nasawasiang and Bininsup

villages, brought to the notice of the patrol, to be referred to the A.D.O. for action by the Native Lands Commissioner. Village inspected. One minute to Binimump. Census conducted and minor disputes heard. Village inspected. Cacao gardens of Binimump and Nasawasiang inspected. To Ninsip. Discussions with Officials from Ninsip, Binimump, Nasawasiang and Sangan, regarding land dispute between Huang of Nasawasiang and Auguts of Binimump.

Dec., 3rd.

Raining. Departed Ninsip at 7.30a.m. and arrived Sangan at 7.40a.m.. Village lined and census conducted. No complaints. Village inspected and coconut grove counted. Discussions with Officials regarding Leara, a block of land the village is farming on the left side of the Leron river. Departed Sangan at 12.40p.m. and arrived Maniang at 1.00p.m.. Village lined and census conducted. Village inspected and coconut grove counted. No complaints. Camped at Maniang.

Dec., 4th.

Departed Maniang at 7.30a.m. and visited village cacao garden. Good road to Marangits and Suai, built on the same site. Arrived 9.25a.m.. Both villages lined at Suai. Both villages inspected and coconuts counted. Departed 1.00p.m. Coconut plantation belonging to Marangits and Suai inspected and counted "en route" Orori. Arrived Orori 1.30p.m.. Census conducted. Village inspected and village grove counted. No complaints. Departed Orori at 5.00p.m. for Mutsing. Orori plantation inspected and counted. Arrived Mutsing at 6.15p.m. and camped at G.D.W. rest house at Maniang river.

Dec., 5th.

Mutsing lined and census conducted. Village plantation visited and counted. Departed Mutsing at 11.30a.m. by Landrover. Plantation of Dabu counted. Arrived Antiragen 12.00p.m. Cargo deposited and continued on to Umi river to render assistance to four trucks for Goroka, delayed by the rising of the Umi. Plantations of Antiragen and Zumin inspected and counted. Back to Antiragen. Landrover returned to Kaiapit.

Dec., 6th.

Observed.

Dec., 7th.

Village lined and census conducted. Village inspected and coconuts counted. Some cases of grilli sent to Kaiapit for treatment. Departed Antiragen at 12.05p.m. for Zumin arriving at 12.20p.m. Village lined and census conducted. Discussions with Officials from Zumin and Antiragen regarding gr und pressed for sale. Village inspected and coconuts counted. Departed Zumin at 4.00p.m. and arrived Arifiran at 4.10p.m.. Camped at Arifiran.

Dec., 8th.

Departed Arifiran at 6.30a.m., crossed the Maridham river and arrived Anga at 8.00a.m. Village plantations visited and counted. Census conducted. No complaints. Village inspected. Departed Anga at 12.00p.m. and arrived Arifiran at 1.30p.m.. Census conducted at Arifiran. No complaints. Village plantation visited and counted. Village inspected.

Dec., 9th.

Departed Arifiran at 7.00a.m. on good road and arrived Dabu at 7.35a.m.. Village lined and census conducted. Discussions with Officials regarding land believed for sale. Village inspected and coconut grove counted. Departed Dabu 10.05a.m., crossed the

Maniang river, and arrived Wompua at 10.20a.m.. Census conducted. Discussions with village Officials concerning damage caused by Maniang. Village inspected. Plantation inspected. Departed Wompua at 2.05p.m., damage caused by Maniang noted. Arrived Gantisap at 3.05p.m.. Census conducted. Village inspected and coconuts counted. Camped at Ofofragen. (Gantisap and Ofofragen on same site.)

Dec., 10th.

Ofofragen lined and census conducted. Village inspected. Departed 11.00a.m. for Kaiapit. Cacao gardens of Gantisap and Ofofragen inspected. Arrived Kaiapit 12.00p.m.. Census conducted and village inspected. No disputes. Cacao gardens visited.

Dec., 11th.

To Ragidumpiat 15 minutes. Ragidumpiat (Ragidumpiat and Bampiafum, one village book) lined and census conducted. Ragidumpiat inspected. Departed Ragidumpiat at 9.30a.m. and arrived Bampiafum at 10.05a.m.. Village inspected. Departed Bampiafum at 10.30a.m. and arrived Station at 10.50a.m..

End of diary.

NATIVE AFFAIRS.

With all villages being within a few hours of the Sub-District Office, all disputes requiring court action are readily brought before the Officer-in-charge. Most disputes heard during the course of the patrol were of a minor nature, and were easily settled by arbitration.

A dispute has arisen between Umung of Nasawasiang and Auguts of Binbump, over ownership of a block of ground, Naruof, on which Auguts is farming peanuts. The project started as a joint venture with, as Umung claims, Auguts supplying the tractor and he the land. The trouble began when Uruk of Binbump committed adultery with the female Nubunump of Nasawasiang. As a result the Nasawasiang's withdrew from the venture.

The owners of the 600 acres of ground west of the Maniang river, and the 6000 acres of ground on the eastern bank of the Uai river, state that they do not wish to sell these blocks. However, the villages of Ofofragen, Gainarun and Narutsariang, state that they wish to sell "Tsarvauriang". This block was surveyed by Mr. D.P. Maroney, in June 1956; his 34-1-1/55 of the 14th. June 1958 refers. It is an area of 844 acres.

AGRICULTURE AND LIVESTOCK.

The main staple of the Atzera, especially of the people in the centre of the valley, is banana. It has only been with the introduction of European vegetables beans, cabbages, pineapples, onions, etc., to these centre villages, that this diet of bananas has been supplemented to any great extent. Of course coconuts are eaten extensively, the meat of the coconut being grated and cooked together with the bananas. More coconuts are eaten than are processed into copra.

There are two main types of banana planted, the red bakana or "chirap", and the white banana or "karapoi". The "chirap" is planted first, and after the initial crop, or about six months, is replaced by the "karapoi" a much hardier tree, which is left in the garden for periods of up to 5 or 6 years.

Sweet potato, yam and taro, form an important part in the diet of the people living on the outer fringe of the valley. These people own ground in the mountains and have their gardens there.

One of the main objects of the patrol was to take an agricultural census of cash crops in the area.

Copra. Copra is the main cash crop in the area, but due to the introduction of newer crops, peanuts and cacao, the people are neglecting copra for these newer pursuits. This is a pity as there are over 20,000 mature trees in the Atzera, but only a negligible amount of copra is being worked. All copra in the area is sun dried on raised platforms within the villages. All villages have young plantations, which have been planted and spaced correctly, and are due to have their first crop in two or three years time. All plantations are overgrown with kunai, and the villagers were instructed to clean them. A count of coconuts is given below.

Cacao. The people are now engaged in planting cacao. This should do well in the Atzera, as the fertile soils, the hot dry climate and the yearly rainfall of 90 inches, should be admirably suited to the growing of this crop.

A total of 32,500 trees have been planted, or are in the process of being planted. All gardens inspected were in excellent condition, with shade trees planted and growing to a height of nine feet or more. A count of cacao plantings is given below.

Peanuts. Several villages are involved in peanut farming, which has been greatly aided by mechanized machines. Three villages Sangan, Binimump and Marangits, have tractors complete with plough and harrows. Sangan is farming a block of land, Leara, three miles east of the Leron river, and have about 30 acres planted. Binimump have 60 acres of ground planted on Naruof, over which they are disputing ownership with Nasawasiang. Two other villages, Marangits and Ragidumpiat, have 10 and 20 acres planted respectively.

Coffee. There are only minor plantings of this crop in the Atzera area, at Gantisap, Mamaringan and Sumangoran. All these gardens are situated in the foothills behind the villages. They are all well shaded and are bearing.

Pigs are plentiful in all villages, these are in good condition and are well fed. Quite a number of fowls were also noted. Two villages had cattle, there are two at Binimump and four at Gantisap. The Lutheran mission also has fourteen head. These are all in excellent condition, free from tick, and a recent survey by the Dept. of Agriculture show them to be free from T.B.. Goats were noticed in a few villages. There are about 10 in the Atzera area, all in excellent condition, but it was noted that the number has not increased over the years.

Now that a European Agricultural Officer has been posted to the Sub-District it is expected that economic development in the area will be greatly accelerated.

Village.	Copra.		Cacao.	Peanuts. Acres.	Coffee.
	Old.	New.			
Mamaringan.	661	563			156
Bogabuang.	1129	280	1500		
Sumangoran	656		8000		680
Wafibampun	225	432	500		
	2671	1275	10000		836

Village.	Copra.		Cacao	Peanuts Acres.	Coffee.
	Old	New.			
C/P.	2671	1275	10000		836
Ninsip	2123	493	1500		
Nasawasiang	1363	1800	1500		
Binimump	904	805	2500	60	
Sangan	2215	1363	3500	30	
Maniang	1290	784	2000		
Karangits	710	624		10	
Orori	930	1728			
Mutsing	132	752			
Antirogen	1740	1089	1000		
Zumin	1310	1320	1000		
Arifiran	1342	2181			
Anga	586	1070			
Dabu	324	420			
Wompua	1081	966			
Gantisap	1216	630	3500		1200
Ofofrugen	433	601	1000		396
Kaiapit	2360	2600	3500		
Ragidumpiat	2300	375	500	20	
Total.	25030	20919	32500	120	2432

MEDICAL AND HEALTH.

Health throughout the Atzera was excellent. There were some cases of Grilli noted in the Zumin group of villages, but these were the only complaints noted during the patrol. There are two aid posts in the area, one at Sangan which looks after Ta-ap, Sumangorun, Wafibampun, and the Sangan group, and another at Arifiran which controls the Zumin group. There is a modern native hospital at Kaiapit under the direction of a very competent Medical Assistant, Mr. A. McGregor. However the people show a reluctance to visit the hospital except for serious illnesses. They also show a reluctance to bring females in childbirth to the hospital. An Infant Welfare Officer now visits the area once a month and she reports favourably on the health of the children.

Sanitation and hygiene arrangements were found satisfactory in all villages. All villages were clean.

EDUCATION.

The education standard is not high, but is considerably higher than in other areas of the Sub-District. There are two Primary "T" Schools operated by the Dept. of Education, one at Sangan and the other at the Government Station. The Station school has a staff of two Papuan teachers and a roll call of 96 pupils, with classes from standards two to five. The Sangan school has two teachers, and 51 pupils from standards one to three.

Village schools are operated by the Lutheran Mission, and a total of 272 children attend these schools which are located at all the larger villages. All schooling is done in the Yabin tongue, and the standard is very low. No schools were visited during the patrol as they were all closed for the Christmas holidays.

It is expected that the education standard will rise now that an Education Officer visits the area. He usually conducts classes in teaching for the Mission teachers.

ROADS AND BRIDGES.

A good network of vehicular roads connects all villages in the area. However, during the wet season many of the roads, particularly in the region of Kaiapit station, are flooded by the Maniang river. Some of the road between the Station and Mutsing is now under water.

These roads are put to plenty of use by the several village trucks which are owned by the Atzere people. Most of these trucks are a permanent drain on the finances of their owners, and are continually breaking down. The only one that appears to be run at a profit is the Kaiapit Village Society truck, which has had a contract to carry stores to Kaiapit at 3d. per pound.

The eastern approach of the Maniang bridge is in danger of being washed away by the river, as was the case earlier in the year. Part of the approach has sunk to a foot below the level of the bridge. This may be rectified by putting "baskets" along the river bank for 25 to 30 yards upstream.

VILLAGES AND VILLAGE OFFICIALS.

All villages visited were found clean, but housing throughout the area was found to be very poor, due to the shortage of suitable building materials. The Lulusis of several villages were instructed to have certain houses in each village either rebuilt or repaired.

Daba village, situated on the western bank of the Maniang river, is in danger of being flooded, and the people wish to move to a new site. It is possible to walk straight from the village onto the bed of the Maniang. In fact parts of the river bed are on a higher level than the village.

The following were found to be acting as Tultuls, but no record of their appointments is available:-

Kuas of Wafibampin,
Magas of Binimump,
Foya of Ninsip,
Murumut of Antiragen.

It is recommended their appointments be confirmed.

Fudsi/Suampan has been acting Lulusai of Anga, since the previous Lulusai Anwar was imprisoned for killing his wife. Fudai is the Tultul, and previous to that had been a policeman for seven years.

The people are desirous Sinang/Tsumiap be made Tultul. He is an energetic man and was previously a village councillor.

CENSUS AND STATISTICS.

There was a natural increase of 2.35% on last years figure. i.e. from 4,673 in 1958 to 4,783 in 1959. There was a total of 234 births as against 93 deaths.

Absenteeism was not as high as in previous years, 28.2% as compared with 38.3% in 1955, and 33.3% in 1958. This is probably due to the collapse of the peanut market, and the subsequent lack of employment on European peanut farms in the Lower Markham Valley.

Student absences were not noted, as all schools were closed and the children back in their villages.

MISSIONS.

The Lutheran is the only mission active in the area. There is a Mission station at Kapiit under the control of the Rev. K. Holzmecht. There is also a trained European nurse at the Mission station. The mission has been active in the area for many years and has a strong influence on the lives of the people.

ANTHROPOLOGICAL NOTES.

Nothing of interest was noted during the patrol.

CONCLUSION.

The Atsara Census Division is the most advanced area, both culturally and economically, in the Sub-District. It is expected that the formation of the proposed Local Government Council, and the bridging of the Leron river within the next few years, will hasten development in the area.

M. F. Carroll

M. F. CARROLL.
Cadet Patrol Officer.

"APPENDIX "A".

R.P.M.G.C. ACCOMPANYING PATROL.

<u>Reg. No.</u>	<u>Rank.</u>	<u>Name.</u>	<u>Remarks.</u>
9238	Constable	MAI.	Intelligent and efficient.
9632	Constable	ORRANGAWEL.	A good conscientious man.
9741	Constable	KINEUTO.	A hardworking policeman.

M. F. Carroll
M. F. CARROLL.
Cadet Patrol Officer.

VILLAGE POPULATION REGISTER

YEAR 1959

ATZERA CENSUS DIVISION.

Govt. Print.—7038/7.55.

VILLAGE	DATE OF CENSUS	BIRTHS		DEATHS										MIGRATIONS				ABSENT FROM VILLAGE				LABOUR POTENTIAL				FEMALES		Sic. of Family	TOTALS (excluding absence)				GRAND TOTAL						
				0-1 Mth.		0-1 Yea.		1-4		5-8		9-13		Over 13		Females in Child Birth	In		Out		Inside District		Outside District		Govt.		Mission		MALES		FEMALES			Pregnant	Number of Child-bearing age	Child		Adults	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M			F	M		F
		M	F	M	F	M	F	M	F	M	F	M	F	M	F		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M			F	M		F
Anga	Dec. 8th	2	2			1								1	1			1		1	2	1	14					12	36	1	43	3	44	1.6	3225	28	50	152	
Antiragen	7th	6	7			1	2							3	3			1		7	16	5	6	1				24	67	15	59	3	70	2.0	5459	57	72	270	
Cofragan	10th	2	8	1	1													2	1		15	4	3				20	43	14	34	1	41	3.3	5244	34	44	196		
Gantisap	9th	3	8	1	1	1								2	2			1	3	3	14	5	11	1			12	57	13	41	2	50	2.3	5652	47	55	241		
Kaispit	10th	11	11		1			1						1	2	1		3		2	31	8	15				33	94	21	77	4	92	2.1	8687	69	94	390		
Ragidumpiat	11th	3	2			1	1							1				2		2	23	6	4				7	42	11	46	4	50	1.9	3646	35	56	206		
		113	118	3	3	9	13	6	4		1	1		26	25	2	7	33	8	43	332	95	165	5			342	1133	286	984	55	1191		1088	1016	866	1216	4763	

VILLAGE POPULATION REGISTER

YEAR 1959

ATZERA CENSUS DIVISION

Govt. Print.—7035/7.59.

Govt. Print.—7028/7.36.

VILLAGE	DATE OF CENSUS	BIRTHS		DEATHS												Females in Child Birth	MIGRATIONS				ABSENT FROM VILLAGE								LABOUR POTENTIAL				FEMALES		Average Size of Family	TOTALS (excluding absentee)				GRAND TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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VILLAGE POPULATION REGISTER

YEAR 1939

ALASKA GOVERNMENT

Govt. Print—1038/7.5C.

VILLAGE	DATE OF CENSUS	BIRTHS		DEATHS												MIGRATIONS				ABSENT FROM VILLAGE								LABOUR POTENTIAL				FEMALES		Size of Family	TOTALS (excluding absentee)				GRAND TOTAL		
				0-1 Mth.		0-1 Year		1-4		5-8		9-13		Over 13		Females in Child Birth	In		Out		At Work		Students		Govt.		Mission		Males		Females		Pregnant		Number of Child bearing age	Average	Child			Adults	
				M	F	M	F	M	F	M	F	M	F	M	F		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F					M	F		M	F
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F				
Maimaringan	Nov. 30th	6	4					1						2				4	12	2	5	2					12	33	1339	1	52	2.039	39	33	47	179					
Bogabuang	Nov. 30th	6	5							1				2	1			4	3	21	12	3					16	43	137	2	13	2.148	42	26	34	167					
Ta-ap	Dec. 1st		2					1											2	2							4	13	4	14	1	16	1.812	9	11	13	59				
Gumangom	1st	7	5	1				1						2	3			2	2	18	1	7					13	54	12	38	2	14	1.745	36	39	52	197				
Mafibang	1st	7	3			1	1	1										1	3	17	3	2					14	44	8	34	1	33	2.257	47	30	43	179				
Pangan	1st	7	10					1	1					3	2			1	1	3	15	4	2				31	72	21	64	3	33	2.486	70	63	81	324				
Naniang	3rd	6	5					1						2				2	6	1	8	4	4				12	54	12	57	4	64	1.948	36	51	70	221				
Minalp	2nd	5	4			2	1							1				1	1	11		3					16	50	19	44	5	56	2.345	58	42	59	213				
Banimap	2nd	6	6			2		1		1				1				1	1		12		6				14	48	6	41	3	47	2.755	46	33	56	215				
Nasawasing	2nd	3	1											1	2			1	2	1	9		8				13	33	2	35	2	21	2.035	14	27	31	120				
Marangite	4th	1	1											1				1	1	1	1	1					4	17	6	18	2	21	2.028	15	22	24	85				
Snel	4th	5												1		1		1	3	1	4						5	19	6	14			1.617	12	18	29	75				
Matsing	5th	5	1			3								2				1	2	2	1	3					6	20	2	23	2	24	1.621	15	10	30	90				
Orori	4th	2	1							1				2				1	1	24	15	6					9	17	9	44			2.036	34	23	38	116				
Kompas	9th	3	2											1					1	2	20	7	6				16	44	11	34	1	40	2.551	35	25	47	185				
Dabu	9th	2	2																16	8	12	1					7	39	6	26	1	34	1.834	17	16	23	125				
Amfisan	8th	4	11			1								5	1			1	1	10	1	3					12	69	27	55	2	7	2.835	81	54	82	307				
Zuin	7th	10	11			1												2	1	2	21	6	18				23	64	32	77	4	96	2.785	96	63	96	389				

VILLAGE POPULATION REGISTER

YEAR 1959

ATLANTA CENSUS DIVISION

Govt. Int.—7038/7.55.

VILLAGE	DATE OF CENSUS	BIRTHS		DEATHS												Females in Child Birth	MIGRATIONS				ABSENT FROM VILLAGE AT WORK				VILLAGE STUDENTS				LABOUR POTENTIAL				FEMALES		Average Size of Family	TOTALS (excluding absentee)				GRAND TOTAL
				0-1 Mth.		0-1 Year		1-4		5-8		9-13		Over 13			IN		OUT		Inside District		Outside District		Govt.		Mission		MALES		FEMALES		Pregnant	Number of Child-leaving age		Child		Adults		
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M			F	M+F				
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M+F				
Anga	Dec. 8th	2	2			1								1	1			1	2	1	12					12	36	1	43	3	44	1.6	3225	28	50	152				
Antiragen	7th	6	7			1	2							3	3			1	7	16	5	6	1			24	67	15	59	3	70	2.0	5459	57	72	270				
Ofofragen	10th	2	8			1	1											2	1	15	4	3				25	43	41	31	1	41	3.3	5244	34	44	196				
Gantisap	9th	3	8	1	1	1								2	2			1	3	3	14	5	11	1			12	57	13	41	2	50	2.3	5652	47	55	251			
Kalspit	10th	11	11			1								1	2	1		3		2	31	8	15				33	94	21	77	4	92	2.1	6687	69	94	390			
Ragidumpiet	11th	3	2											1				2		2	23	6	4				7	42	11	56	4	50	1.9	3646	35	56	306			
		113	110	3	4	1	1							26	25	2	7	33	8	43	332	95	165	5		1133	286	984	55	1191		1086	1016	866	1216	1703				