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Papua New Guinea Patrol Reports

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WARREN AMANDA

PATROL REPORT

1964/65



TERRITORY OF PAPUA AND NEW GUINEA

PATROL REPORT

District of Western Highlands Report No. 1/64-65

Patrol Conducted by J. Bradbury Patrol Officer Gr1

Area Patrolled Lower Lai Census Division

Patrol Accompanied by Europeans No

Natives 3

Duration—From 3 / 8 / 1964 to 15 / 10 / 1964

Number of Days 71 (nine days absent in Mt Hagen)

Did Medical Assistant Accompany? No

Last Patrol to Area by—District Services March / 1963

Medical March / 1963

Map Reference Wabag Fournal

Objects of Patrol Census revision, land investigations (16), marking road route over the Landam River gorge

Director of Native Affairs,
PORT MORESBY.

Forwarded, please.

/ / 19

District Commissioner

Amount Paid for War Damage Compensation £

Amount Paid from D.N.E. Trust Fund £

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

67-14-6

23rd February, 1965.

The District Commissioner,
Western Highlands District,
MOUNT HAGEN

PATROL REPORT NO. 1 - 1964/65 - WAPENAMANDA

Receipt of the above mentioned report
together with covering memorandum is acknowledged
with thanks.

Please ensure that Mr. Bradbury receives
training in the setting out of a patrol report.
The Assistant District Commissioner, Wapenamanda,
should discuss with his officers their patrols
and ascertain that the officer is able to set out
his report correctly.


(J.K. McCarthy)
DIRECTOR

67. 14. 6 (7)

TERRITORY OF PAPUA AND NEW GUINEA

Telegram
Telephone
Our Reference WHD490
If calling ask for
No. _____



Department of District
Administration,
Western Highlands District,
MOUNT HAGEN.

12th January, 1965.

The Director,
Department of District Administration,
KONEDOBU.

WAPENAMANDA PATROL REPORT No. 1 of 64/65
LOWER LAI C.D.

Enclosed please find the above-numbered patrol report
for your information.

The only comments on this report is the fact that it
is poorly set out, as already commended upon by Mr. Maroney.
Mr. Bradbury has been informed of this fact.


(S.M. FOLEY)
s/District Commissioner

c.c.
Assistant District Commissioner,
Wapenamanda.

67 - 1 - 1

Patrol Post,
WAPENAMANDA,
November 5, 1964.

The Deputy District Commissioner,
MR. HANSEN.

SALVAMANDA PATROL REPORT
No. 1 of 61/62 LOWER LAI C.D.

Attached please find 2 Copies of the above patrol,
conducted by Mr. J. Bradbury, Patrol Officer.

The report is brief and does not follow pattern laid down
in G.O. 79 of 48/49, which I believe is still appropriate for Patrol
Officer's Grade 1. However, the patrol was largely of a routine
nature, and requires little but the following comment :-

(1) the road survey in the LANDAN R. gully, between LAMIS
and RAHNE river has already been covered in my 10 - 5 - 1 of the 2nd
November, 1964.

(2) all 16 Land applications have been investigated and
forwarded to you separately 35 - 1 - 1 of 9.10.64, and 5.11.64.

(3) the native situation in the LAMIS and general LOWER
LAI area continues to be excellent. In contrast I might add, to the
YCHAK C.D., which is more densely populated and provides of late 8%
of the Court Cases dealt with here.

Camping allowance claims for Mr. J. Bradbury in respect of
this patrol, and also the election and WAKAG road patrols.

For your information.

(D. Paul Hanney)
a/ Assistant District Commissioner.

cc ADC, Wabag
cc. J. Bradbury, Wapenamanda.

Wapenamanda Patrol No. 1/64-65.

Lower Lai Census Division.

Patrol Diary.

Monday August 3rd: To Yalis Rest House. Camped.
Tuesday August 4th: Census Revision Yalis people. Camped.
Wednesday August 5th: At Yalis. Census compilation. Camped
Thursday August 6th: To Pinyapais Rest House. Camped.
Friday August 7th: Census revision. Camped.
Saturday August 8th: Census revision. Camped.
Sunday August 9th: Observed. Camped.
Monday August 10th: Land investigation and survey "KONGETAP" Camped.
Tuesday August 11th: Land investigation and survey "YABANGA". Camped.
Wednesday August 12th: To Lumis Rest House. Camped.
Thursday August 13th: Land investigation "PINYAPAIS". Camped.
Friday August 14th: Land investigation "PAIKETA". Camped.
Saturday August 15th: Preparation investigation reports. Camped.
Sunday August 16th: Observed. Camped.
Monday August 17th: Preparation investigation reports. Camped.
Tuesday August 18th: Preparation investigation reports. Camped.
Wednesday August 19th: Preparation investigation reports. Camped.
Thursday August 20th: Preparation investigation reports. Camped.
Friday August 21st: Compilation census statistics. Camped.
Saturday August 22nd: Preparation land investigation reports. Camped.
Sunday August 23rd: Observed. Camped.
Monday August 24th: Census of TSINGI and TSIPAN clans. Camped.
Tuesday August 25th: ~~PREPARATION~~ Land investigation. KALEPOGI AND AUSA. Camped
Wednesday August 26th: Census of YAME, WAIA and pt ARONA. Camped.
Thursday August 27th: Land investigation "KEMONGALI". Camped.
Friday August 28th: Census of pt ARONA clan. Camped.
Saturday August 29th: Preparation investigation reports: Camped.
Sunday August 30th: Observed. Camped.
Monday August 31st: Preparation investigation reports. Camped.
Tuesday September 1st: Land investigation "BARAKA". Camped.
Wednesday September 2nd: Preparation investigation reports. Camped.
Thursday September 3rd: Land investigation NEKAPETA. Camped.
Friday September 4th: Land investigation "JIYAKAMA". Camped.
Saturday September 5th-13 To Mt. Hagen for A.S.O.P.A. exams
Saturday September 12th: Arrived ~~Day~~ P.M. Camped.
Sunday September 13th: Observed. Camped.
Monday September 14th: To Lumis. Camped.
Tuesday September 15th: Preparation investigation reports. Camped.
Wednesday September 16th: Preparation investigation reports. Camped.

<u>Thursday September 17th:</u>	Preparation investigation reports. Camped.
<u>Friday September 18th:</u>	Preparation investigation reports. Camped.
<u>Saturday September 19th:</u>	Preparation investigation reports. Camped.
<u>Sunday September 20th:</u>	Observed. Camped.
<u>Monday September 21st:</u>	To camp on Landam river. Camped.
<u>Tuesday September 22nd:</u>	Road marking, Lumis side. Camped.
<u>Wednesday September 23rd:</u>	Road marking, Lumis side. Camped.
<u>Thursday September 24th:</u>	Road marking, Lumis side. Camped.
<u>Friday September 25th:</u>	Road marking, Lumis side. Camped.
<u>Saturday September 26th:</u>	Road marking, Lumis side. Camped.
<u>Sunday September 27th:</u>	Observed. Camped.
<u>Monday September 28th:</u>	Road marking, Baiyer side. Camped.
<u>Tuesday September 29th:</u>	Road marking, Baiyer side. Camped.
<u>Wednesday September 30th:</u>	Road marking, Baiyer side. Camped.
<u>Thursday September 1st:</u>	Road marking, Baiyer side. Camped.
<u>Friday October 2nd:</u>	Road marking, Baiyer side. Camped.
<u>Saturday October 3rd:</u>	Road marking, Baiyer side. Camped.
<u>Sunday October 4th:</u>	Observed. Camped.
<u>Monday October 5th:</u>	Road marking, Baiyer side. Camped.
<u>Tuesday October 6th:</u>	Road marking returned Lumis P.M. Camped.
<u>Wednesday October 7th:</u>	Alterations to route near Lumis. P.M. to NEKIRAP rest house. Camped.
<u>Thursday October 8th:</u>	Land investigation of KASEMALI, KYEIMANDA. Camped.
<u>Friday October 9th:</u>	Land investigation of KUMWASIDYA and PAWAREPE. Camped.
<u>Saturday October 10th:</u>	Census revision of NEKIRAP clans.
<u>Sunday October 11th:</u>	Observed. Camped.
<u>Monday October 12th:</u>	To KAMANANDA Rest House. Camped.
<u>Tuesday October 13th:</u>	Compilation Census statistics. Camped.
<u>Wednesday October 14th:</u>	Preparation Land Investigation Reports. Camped.
<u>Thursday October 15th:</u>	Preparation investigation reports. Camped.
<u>Friday October 16th:</u>	Census of clans from AWAS & KAMANANDA. Camped.
<u>Saturday October 17th:</u>	To Elyaganda Rest House. Camped.
<u>Sunday October 18th:</u>	Observed ^{Observed} from Elyaganda . Camped.
<u>Monday October 19th:</u>	Census Compilation. Camped.
<u>Tuesday October 20th:</u>	Census of clans from Elyaganda Rest House. Camped.
<u>Wednesday October 21st:</u>	Returned to Wapenamanda.

END OF PATROL.

J. Bradbury

 J. Bradbury
 PATROL OFFICER

Territory of Papua and New Guinea.

Wapenamanda Patrol Post,
Western Highlands District.

21st October, 1964.

Wapenamanda Patrol Number 1/63-64.

Patrol Conducted by: J. Bradbury Patrol Officer Grade 1

Introduction: The patrol into the Lower Lai census division lasted for some 71 days. Twenty-three days were spent in actual patrolling, census revision and compilation of statistics. Seventeen days were spent in surveying and marking a road over the Landam River with an Adne Level with the view to a road being constructed into the Lumis area. Thirty two days were spent investigating 16 land applications and in preparation of the reports. During the course of the patrol the writer was called to Mt. Hagen to sit for A.S.O.P.A. exams. Exams and transit to exams involved a total of 9 days.

* Native Affairs.

The situation in the Lower Lai census division seems to be quite satisfactory. The patrol was well received in all centres and enthusiastically received at Lumis. The Lower Lai Census division peoples are moulded to some extent by Enga and Hagen social, political influences, and economic influences. Climate is perhaps less recalcitrant than that of other places in the Wabag sub district. This combined with ample land available for agricultural usage perhaps make the people appear to be a happier lot than many others in the Wabag sub District. Land in the Lower Lai census division approximates 8 acres per head and about $\frac{1}{2}$ of this can be classed as unusable with present agricultural methods in use. Relationships between individuals and groups appear to be quite cordial. The Australian Baptist Missionary Society are the only Europeans in the Lumis area and operate east of the Lai River. In the Pawari area, West of the Lai River, the Missouri Lutheran Mission have a European missionary.

Relations between natives and their various missions are quite cordial and a good deal of confidence is placed in The Baptist mission. The Baptist mission has an infant and maternal welfare sister engaged full time in these duties. A European teacher is engaged full time in the teaching of local children at the Lumis Baptist mission. In the Lumis area particularly, the people are much more concerned with economic development than elsewhere. This area would probably have more coffee planted than any other area in the Wabag sub district of similar size. It has five times as much coffee trees planted than any other similar area in close proximity.

The commencement of full time schools from the early establishment of the Baptist mission in the area have had much to do with this desire for advancement. From the Lumis area alone there ~~are~~ are several pupils attending secondary schools at Goroke and Awaba, some have had technical training and are now carpenters and tank makers. Their success alone has probably had much to do with this desire for further advancement. The Baptist mission was insistent that the people plant coffee years ago and

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②

the present monetary rewards now being paid out are good incentives to further economic development. The Baptist mission trade store has a turnover of some £40 (average) per week and the only source of this money can be from the coffee which is sold to the mission and Hagra Kafi Company. Based on the Agricultural officers survey of the area, it is estimated that in the near future when trees come into full bearing, the area will produce a ton of coffee. Since the agricultural officers survey, however, there has been an increase of at least 10% in trees planted and in some areas as much as 25%. This is based only on general observation and is not a survey such as the agricultural officer made.

The infant mortality rate for the Lomis area is extremely low (1 death registered and 94 births recorded). It is not this way by chance or good fortune and is largely due to the consistent patrolling of the infant and maternal welfare sisters . Credit must also be given to the people themselves who regularly attend the welfare clinics and I am advised that such attendance is almost 100% the only absentees are those visiting relatives.

Besides the graded schools at Lomis where a European teacher is based there are vernacular schools in most of the villages throughout the area. At these schools the teachers have reached at least standard 4 and some have gone higher. Reading, writing, arithmetic and English are among the subjects taught. Nearly all the children of the area attend one of these schools .

To conclude this report I can only emphasize that before the area can gain any real progress, it will of necessity have to be connected by road. If this does happen there is no reason why the Lomis area should not have one of the highest living standards in the sub district.



J. BRADBURY.

Patrol Officer Sr 1.

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TERRITORY OF PAPUA AND NEW GUINEA

PATROL REPORT

District of Western Highlands Patrol Report No. 3 of 1964/65.

Patrol Conducted by Is. Warr Patrol Officer.

Area Patrolled Tauke and Lower-Iad Census Division.

Patrol Accompanied by Europeans _____

Natives 5 Police
1 Interpreter.

Duration—From 8 / 2 / 1965 to 23 / 4 / 1965

Number of Days 11 days Camped, 20 Field days.

Did Medical Assistant Accompany? _____

Last Patrol to Area by—District Services / / 19

Medical / / 19

Map Reference Aerial Photographs.

- 1. Investigate alternate route for a vehicular into Tauke Valley
- 2. If a. proved unsuccessful commence repair work on existing Tauke Road.
- 3. Inspect and report on the proposed route of the extension of the Badger Road from PAGALES to EBETS via the LANDAN Gorge.

Director of Native Affairs,
PORT MORESBY.

Forwarded, please.

 / / 19

District Commissioner

Amount Paid for War Damage Compensation £

Amount Paid from D.N.E. Trust Fund £

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

67-14-15

The National Commission,
National Industrial Council,
Washington, D.C.

MEMORANDUM FOR THE NATIONAL INDUSTRIAL COUNCIL

Receipt is acknowledged with thanks of Mr. War's
initial report received by your name of 15th July, 1950.

2. Mr. War has accomplished the task set in a capable
manner, and no further comment is necessary.

(T.C. Anderson)
A/GENERAL

67.14.15
15

SEP:21

WHD510



Department of District
Administration,
~~Madras~~
Officer,
MOUNT RAGER. V.H.D.
12th July, 1965.

Assistant District Commissioner,
Sub-District Office,
VARAN.

WAPNHAMANA PATROL REPORT No. 3-1964/65

Mr. Varr's report is acknowledged with thanks.

Extracts have been passed to Departments for comment and Carrying Allowance approved for payment.

During a recent visit to the Tank, I found the people most sympathetic. They were willing to go along with the introduction of the Wapnhamana Council but felt the changes being made were too rapid. As one elderly gentleman commented "It is only 20 years since we started with Indira".

The road diversion into the Tank is worthwhile. It makes travelling quicker and safer and will considerably reduce maintenance costs.

The Local Councillors will need a lot of support. Their efforts will be directed towards Wapnhamana in Council matters while the Baptist Mission at Baiyer River remains their religious and social focus.

If and when we introduce Local Government in the Baiyer River area, I propose that we re-examine the position of the Local group for possible incorporation in the Baiyer Council. This will cross the Sub-district boundary but I think it could become an effective Council unit. The Sub-district boundary is an Administrative one and has no relation to the boundaries of language cultural groups.

The map is far too big to be copied. As you have indicated, four miles to the inch is the only possible scale for our purposes.

R. V. Ellis
(R. V. ELLIS) *h.d.*
District Commissioner

C.C.
The Director,
Department of District Administration,
Madras.

(B)

Patrol Post,
WAPENANANDA.

31st May, 1965.

The Assistant District Commissioner,
WABAG.

WAPENANANDA PATROL No. 3 1964/65.
ROAD SURVEYS - TCHAK, LOWER LAI.
L. WARR, PATROL OFFICER.

Attached please find 4 copies of the above patrol report together with a tracing of the patrol map. The following matters need elaboration ; -

TCHAK ROAD.

As you know, the TCHAK C.D. road has been for many years, relatively unsatisfactory. Whilst it was merely a feeder road, it had little priority as our resources had to be concentrated on the main Hagen-Wapenananda-Wabag road. However, in the last year or so, with the introduction of pyrethrum, and the growth of the vegetable industry under the stimulus of WASSO Ltd., the TCHAK road has taken on an economic significance. Hence it has been found necessary to give more attention to this road.

With this in mind, we looked at the road with a view to re-routing it completely, or diverting sections to eliminate some of the steep sections (up to 15 degrees) and hairpin bends, which have all but prevented conventional drive vehicles using this road. If WASSO Ltd., Hagenkefi and D.A.S.F. could get light transport (Forward Controls) in to the TCHAK it would be of great benefit to the area.

As Mr. Warr has mentioned, the complete re-routing proved to be most impractical. A subsequent look at the road revealed that a spur near KEMANNA (ARUH) Rest House, was the major obstacle on the road. The existing road rose 300' out of the WAINBA Creek, with slopes of 15 degrees, and then descended at over 10 degrees (with a bad hairpin bend) on the eastern end. A survey was done by Mr. Warr following the contour, and the proposed route was found to be almost level.

I am pleased to report that work on this diversion, which entailed 1½ miles of new cutting, and 2 bridges, is now completed. I have driven over it, and whilst narrow in a few places, is a major improvement to the road. Work still remains to be done on bridging and surface to make it suitable for Forward Controls and tractors.

LUMIS ROAD.

Mr. Warr checked the survey preparatory to the commencement of work on the road across the LANDAM River Gorge connecting LUMIS with the BAIYER River road head. The LANDAM gorge is a most formidable natural barrier, but this has not dampened the LUMIS people's vociferous demands for assistance in building a road across. The Baptist Mission, at LUMUSIA, while not covertly encouraging the people to build a road, have done little to question the feasibility of such a project: of all people, they will have the most to gain from such a road. It seems that all patrols to LUMIS over the past few years, have been met with insistent demands for assistance in the road building.

As Mr. Warr states, work has commenced on the PASALIS section in the Mt. Hagen "b-District, which will directly benefit these people, and indirectly benefit the LUMIS people by bringing the road head closer.

Mr. Warr accomplished the objects of his patrol. He also constructed a major bridge and surveyed a large diversion of the road, both of which were most creditably done.

There is no claim for Camping Allowance attached, but no doubt Mr. Warr will present this when he returns from the Lower Jimai area.

For your information,


(D. Paul Maroney)
Officer in Charge

cc. L. Warr,
via District Office,
MT. HAGEN.

WAPENAMANDA Patrol Post,
Western Highlands District,
4th. May 1965.

(2)

The Assistant District Officer,
WAPENAMANDA Patrol Post.

WAPENAMANDA PATROL REPORT No. 3 1964/65.

AREA PATROLLED: Task and Lower-Lai Census Divisions.

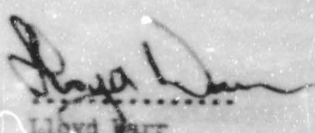
PATROL ACCOMPANIED BY: 5 members of the R.P. & N.G.C.
1 Interpreter.

DURATION OF PATROL: Periods from 8/2/65 to 23/4/65.
11 days camped.
20 Field days.

LAST PATROL TO AREA: D.D.A. Patrol No. 1 1964/65.
Lower Lai Census Division.

MAP REFERENCE: Aerial photographs.

- OBJECTS OF PATROL:
1. Investigate alternative route for a vehicular ^{road} into Task Valley.
 2. If .1. ~~investigation~~ proved unsuccessful commence repair work on existing Task Road.
 3. Inspect and report on the proposed route of the extension of the Baiyer Road from PAGALIS to LUMIS via the LANDAM Gorge.


Lloyd Warr
Patrol Officer.

TSAK AND LOWER LAI CENSUS DIVISIONS.

Introduction.

The Tsak Valley runs parallel to the Lai Valley in an east west direction; bounded in the north by the Lai-Tsak Divide, and in the south by high heavily timbered slopes called by the local people LAGALIPOS. These form the Wapenamanda-Landep boundary.

The LUMIS area in the Lower Lai Census Division, is NW of Wapenamanda Patrol Post. It is situated west of the Lai River, just above the eastern side of the LANDAM Gorge.

The two prime objects of the patrol were firstly to investigate an alternate route for a vehicular road into the Tsak Valley, via POMEABOS. If this proved impracticable to commence repair work on the existing Tsak Road, including the replacement of the Lai Bridge at NUGURAMANDA.

Secondly to traverse and report on the feasibility of the proposed route of an extension of the vehicular road from PAGALIS, in the BAIYER Census Division, across the Landam Gorge to Lumis. (Surveyed by J. Bradbury P.O. Wapenamanda Patrol Report No. 1 1964/65.)

The next houses visited during the course of the patrol were POMIACOS and ARON in the Tsak Census Division, LUMIS in the Lower Lai Census Division, and PAGALIS in the Baiyer Census Division of the Hagen area.

Diary.

February 8th.

Prepared to proceed on patrol to Tsak Valley to survey alternate route into Tsak Valley. Proceeded to POMIACOS per L/R.

February 9th.

0800-1600 Commenced survey from POMIACOS; crossed WAGIAM crk. and commenced climbing the divide at 6°.

February 10th.

0800-1700 Still on Tsak side on the divide; crossed three spurs.

February 11th.

0800-1500 Completed Tsak side at 6°.

February 12th.

0800-0845 Walked from POMIACOS to the top of the divide. 0845 commenced survey of descent to POMEABOS. After completing approx. of survey it was discovered that it would be necessitate several 'nairpin' beads and lengthy construction work. Abandoned survey 1500 Walked to Wapenamanda.

February 15th.

0900-1200 Supervised commencement of trenches for pylons of Lai bridge replacement.

February 17th.

Supervised work on the trenches; as per the 15th.

(P)

February 19th.

To LUMIS per RAF; arrived 0815. Cargo arrived. Held talks with local village officials re road.

February 20th.

0800-1300 Commenced to walk the survey route of the road from LUMIS to half way down the Landan Gorge.

February 21st.

Survey. Completed LUMIS side of the gorge. Route in sections has 15° gradient. Camped beside Landan River.

February 22nd.

0800-1600 Completed inspection of route from the river to PAGALIS.

February 23rd.

Walked from PAGALIS to LUMIS. Talked with village officials re road. Advised people to commence work from the Landan River towards PAGALIS as the LUMIS side requires further investigation.

February 24th.

0830-1745 Walked from LUMIS to Wepensanda Patrol Post.

February 26th.

0800-1100 Supervised work on preparations for Lai bridge.

March 1st.

Supervised various lines pulling logs for Lai bridge.

March 3rd.

At bridge site. Completed trenches and cut eight pylons.

March 5th.

Poured cement to strengthen pylons on north bank.

March 6th.

Saturday 0800-1200 Poured cement for south bank.

March 8th.

Truck road closed for a week. Two new bearers pulled across existing bridge and pulled to the side. The decking removed.

March 9th.

Removed all of the old bearers.

March 10th.

Squared and cut pylons and bolted down the sleepers on top of pylons.

March 11th.

Pulled new bearers into place.

March 12th.

Leveled bearers and nailed decking. Bridge completed 1700

March 15th.

Trimmed decking and removed boxing from cement.

March 26th.

Commenced survey of a road diversion to go underneath ARON to eliminate three steep grades. Completed survey of approx 1½ miles 1500.

April 5th.

Commenced clearing of the diversion. Talked with village officials.

April 6th.

To ABON to inspect work in progress on clearing.

April 7th.

Clearing of the diversion completed.

April 8th.

Completed marking of diversion.

April 14th.

Survey of diversion inspected by Mr. Karoney A.D.O. Mapemasanda.

April 23rd.

To Task diversion to hand over work to Mr. D. Robertson C.P.O.

The End of Diary.

Native Affairs.

The patrol was received fairly well in all areas visited and adequate supplies of local produce was made available to the patrol. When carriers were required they were recruited from the various rest houses on a day basis.

The patrol was asked on several occasions the date of the proclamation for the proposed Mapemasanda Local Government Council. The majority of the people seem enthusiastic about the establishment of the council although many seem apathetic. All are a little apprehensive about the inevitable introduction of taxation. Care was taken to explain to the people that they themselves would have the opportunity of setting the taxation rate and subsequent changes of same.

The people claimed on numerous occasions that they would be unable to pay the council tax. The patrol could not see any credence in their claims as in the Tsak valley the people have quite good incomes from coffee, pyrethrum, and from sale of European vegetables to a company WASSO, which is under the guidance of the Lutheran Mission at KUMBUSAKAN. WASSO supplies the FIR Wevak and various consumers in Madang. The people of the LUMIS area do have some basis to their claims due to their isolated position although this area now has approximately 33,000 coffee trees planted. The beans are carried across to the roadhead at Baiyer River to be purchased by Sagen Coffee.

The people of the Tsak Valley were eager and willing to commence work on the diversion on their road to enable heavier traffic to be used and thus stimulate economic development of their area.

The people of LUMIS area, although the village officials are all enthusiastic, are apathetic about starting work on their road. They say they realize the benefit they would get out of it but are afraid of the work involved.

(7)
(8)

Village Officials.

Most of the village officials contacted by the patrol seem to be doing a satisfactory job. The patrol was approached by the people at LUMIS to make recommendations for the appointment of another Iulua for their area. The patrol explained that this was unnecessary as the Local Government Council would be introduced into their area shortly.

The village officials seemed resigned to the fact that they will soon lose their authority with the introduction of the council. No doubt a number of them will be elected as councillors.

Roads and Bridges.

MUKURAMANDA - TSAK Road.

The present Tsak road commences approximately 2 miles west of Wapenamanda from the Wapenamanda-Wabag Trunk Road at MUKURAMANDA. It crosses the Lai River and then turns eastward for 6 miles to KWIA; then south parallel with the Liare or Koujahip River into the Tsak Valley.

The patrol, as per instructions, investigated an alternative route to commence 6 miles from Wapenamanda, also on the trunk road, at POMBAGOS. From POMBAGOS it would head south over the Lai River, climb the Lai-Tsak Divide at MILINGIN and then down into the Tsak Valley to PUMIAGOS. This route was thought to be shorter and that it would eliminate the several steep grades on the existing road.

The patrol endeavoured to maintain a 6° slope for the survey of the new route. After surveying all of the Tsak side and half way down into the Lai Valley it was found that new route was longer than thought and it would be necessary to have several hairpin bends. After talks with Mr. D.P. Maroney O.I.C. Wapenamanda, it was decided that the new route would be impracticable, and to commence repair work on the existing road.

The first project was to replace the Lai Bridge at MUKURAMANDA, which at this stage was sagging badly with a broken bearer. Six log bearers were pulled to the site; these were all over 100 feet as the span between the natural stone abutments was 90ft. (The logs were casuarinas as suitable heavier timber was unobtainable in close proximity.) The span was shortened by cementing log pylons either side of the river at the water line. Sleepers or 'pillows' were bolted on top of the pylons and the bearers pulled on top. Pit sawn timber was used for decking.

The second project was to eliminate three very steep grades on the section of road near ARON between the WIRAI and LIPA rivers. The patrol surveyed a diversion around several ridges below ARON. The diversion was cleared and work has since commenced under the supervision of Mr. D. Robertson, C.P.O. The diversion is approximately 1½ miles long and when completed will have overcome the major problem on the Tsak Road and only minor maintenance work such as reshaping and gravelling is required to bring the rest of the road up to standard.

PAGALIS-LUMIS Extension ROAD.

The village officials of the LUMIS area have repeatedly stated that they wished to commence work on the extension of the vehicular road from PAGALIS in the BAIYER Census Division to LUMIS. (Surveyed by J. Bradbury P.O. Wapenamanda Patrol Report No. 1 1964/65).

The object of this portion of the patrol was to traverse and report on the feasibility of the proposed route which must negotiate the very steep Landan Gorge. From LUMIS the route immediately starts to descend the western side of the gorge through areas of both kumai grassland and 'bush'. The route for the main part maintains a 10-12° grade although in places it is as high as 15°. The Landan River is crossed at a place called KOPRUKIS; from there it starts to climb the eastern side of the gorge to a Baptist Mission station at WIN, in the Baiyer Census Division. The people at WIN were at this stage working on the section of road between WIN and PAGALIS, which does not include any problems. The section from KOPRUKIS although steep (10°) is a constant grade through kumai grasslands.

It was recommended to the people that if they were still willing to commence work on the road they should start from KOPRUKIS and work towards WIN; to leave the LUMIS side of the gorge until a further survey could be made to eliminate the several very steep sections.

This road when completed would definitely accelerate the economic development of this area but, although all the village officials are enthusiastic, the general populace seem greatly disinterested. A number of shovels, picks and crowbars were given to the village officials for work on the road.

Missions.

The Tsak Valley has two quite large mission establishments. They are:-

(1) The New Guinea Lutheran Mission Missouri Synod at BAIAGAN. This mission has a European staff of a married pastor, a male school teacher and an infant welfare nurse. The mission also maintains two Aid Posts at SAMPONDIS and SAMPON, and numerous vernacular schools in the valley mainly dealing with religious teachings.

(2) The Roman Catholic Mission at POMIAGOS has a European staff of a priest, three nuns, who are involved with both educational and medical work, and a married store manager.

(3) The Australian Baptist Missionary Society has a European staffed station at LUMIS. It has a married school teacher and an infant welfare sister. This mission also maintain several vernacular schools staffed by indigenous teachers throughout the area.


Conclusion.

The patrol was completed without any undue incident and all aims of the patrol completed.

Repair work on the Tsak Road has commenced; the Lai Bridge replaced and the ARON diversion almost completed under the supervision of Mr. D. Robertson C.P.O.

As yet the LUMIS people have not commenced work on the extension. As stated previously they should not start work on the LUMIS side of the gorge until a further survey can be made to eliminate several very steep sections on the route.

The usual Appendices, (health, education and agriculture) have been included although due to the fact that the patrol only visited very few centres a wide coverage of these matters cannot be included.


Lloyd Barr
Patrol Officer.

Lower Lai and Tsak Census Divisions.

Appendix A.

Agriculture.

As stated previously in this report due to the nature of the patrols other than only a few centres were visited. LUMIS in the Lower Lai Census Division and MOK and POK in the Tsak Census Division, and therefore only a very brief and general report can be given in this field.

The people in the Tsak valley are enjoying good cash incomes from the 10,000 coffee trees in their area, (including young and bearing trees), and approximately 120 acres of Pyrethrum. They also sell European vegetables to WSO's company under the guidance of the Lutheran Mission. WSO has markets in Hovek, Endang and Port Moresby. There are also three cattle schemes fully established in the valley.

The LUMIS area although isolated has over 35,000 coffee trees. The people carry the beans to the Baiyer River area where they are purchased by Hagas Coffee. The LUMIS area is approximately 4,000 ft. A.S.L. and too low for pyrethrum.



Lloyd Warr
Patrol Officer.

Lower Lai and Teak Census Division.


Appendix .B.

Education.

In the Teak Valley the Catholic Mission maintains two recognised schools in the lower primary standards at PONIAGOS and INANGAPOS. The Lutheran Mission at PAIAGAN has a European teacher teaching the lower primary standards. This mission also maintains numerous vernacular schools which are mainly concerned with religious activities.

The Baptist Mission Society has a European teacher based at LUMIP maintains a primary school in the lower standards. This mission as well as the Lutherans in the Teak Valley also maintains numerous vernacular schools, again these are mainly concerned with religious teachings.

The Administration school at Wapenamanda does not have any children from the two areas as it has ceased being a boarding school. Both areas are too far for the children to attend as day students.


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Lloyd Marr
Patrol Officer.

Lower Iai and Tsak Census Divisions.

Appendix C.

Health.

As stated several times previously in this report, the patrol, due to its specific duties, only visited a small number of centres in the two census divisions. LONIS in the Lower Iai Census Division, ARON and POMLINS in the Tsak Census Division, therefore only a very brief and general report can be made on this field.

The people in the Tsak Valley have a comprehensive medical coverage. The Lutheran Mission at NALAGAM has an infant welfare nurse who maintains a small hospital to deal with minor illnesses etc., serious cases are taken by road to the large and well equipped Lutheran Hospital at HANHAWARA, 2 1/2 miles from Wapenamanda. This mission also maintains two aid posts at SIFOS and SIFONDIS, which are situated at either end of the Tsak Valley. The Catholic Mission at POMLINS also maintains infant welfare and a general medical clinic.

The Australian Baptist Missionary Society has an infant welfare sister at LONIS; she also does general medical work.


Lloyd Warr
Lloyd Warr,
Patrol Officer.

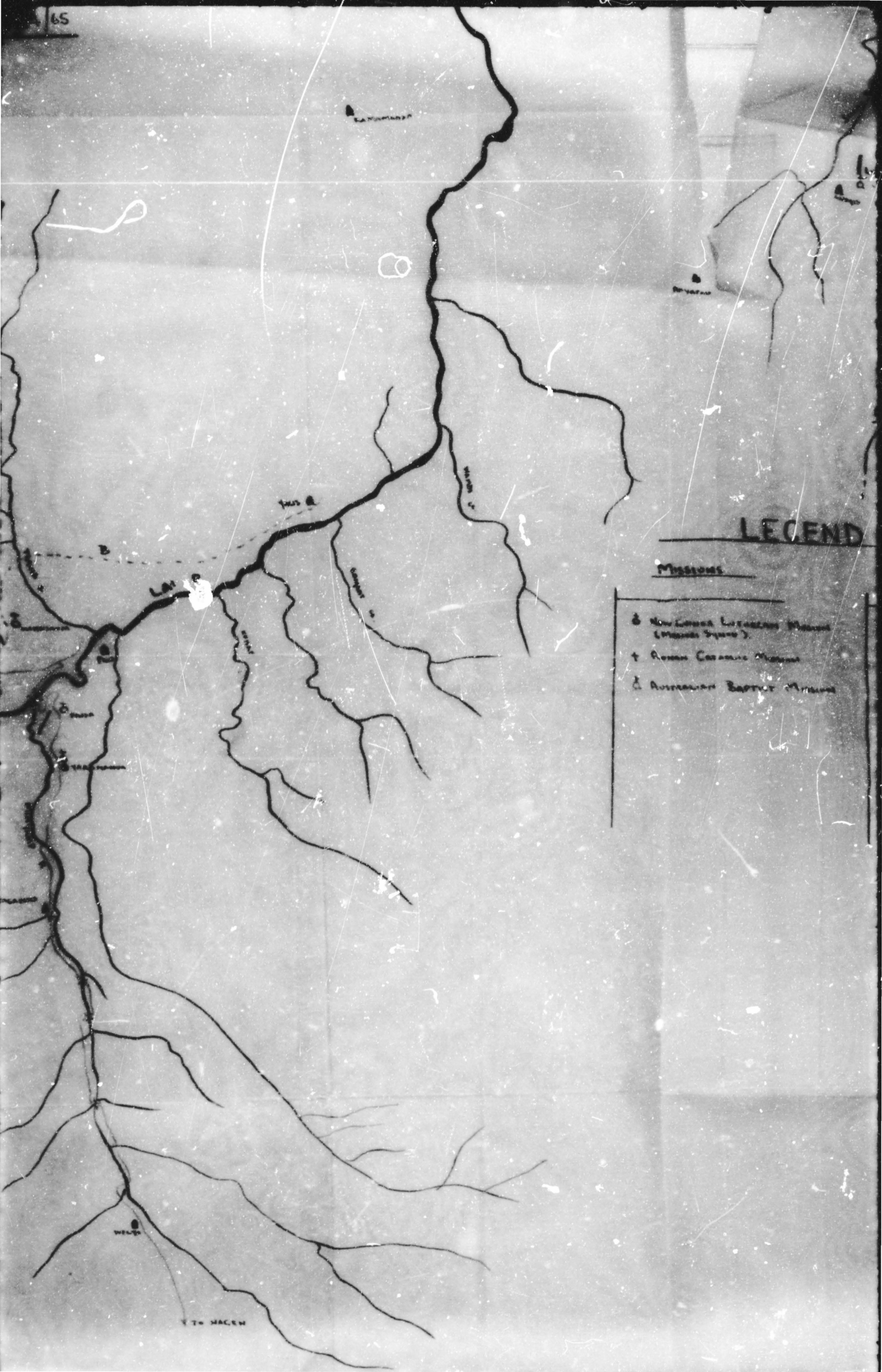
Lower Lai and Tsak Census Division.

Appendix. B.

Report on members of the Royal Papuan and New Guinea Constabulary accompanying the Patrol.

<u>Reg. No.</u>	<u>Rank</u>	<u>Name</u>	<u>Comments</u>
9251	Const.	LEWOS	Slow but consistent worker.
7549	Const.	MAXANDA	Conscientious worker although he is starting to feel his age.
8248	Const.	HUMBIA	Capable worker.
6844	Const.	SAMUEL	A very capable policeman. A good sense of humour.
8707	Const.	TOGORA	Enthusiastic worker.


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Lloyd Varr,
Patrol Officer.



LEGEND

Missions

- New London Lutheran Mission (Mission House)
- ✕ Roman Catholic Mission
- △ Russian Baptist Mission

TO HACHU

LEGEND

Roads

- Road (Frank's Road)
- - - - Yellow Road
- A. Back Direction
- C. Alternating
- - - - D. Sandy Road Leads

KEY

- Rest House
- Airstrip
- Camp
- Landing

TAKEN FROM AERIAL PHOTO.
 LLOYD WARR DC. APRIL 1966

