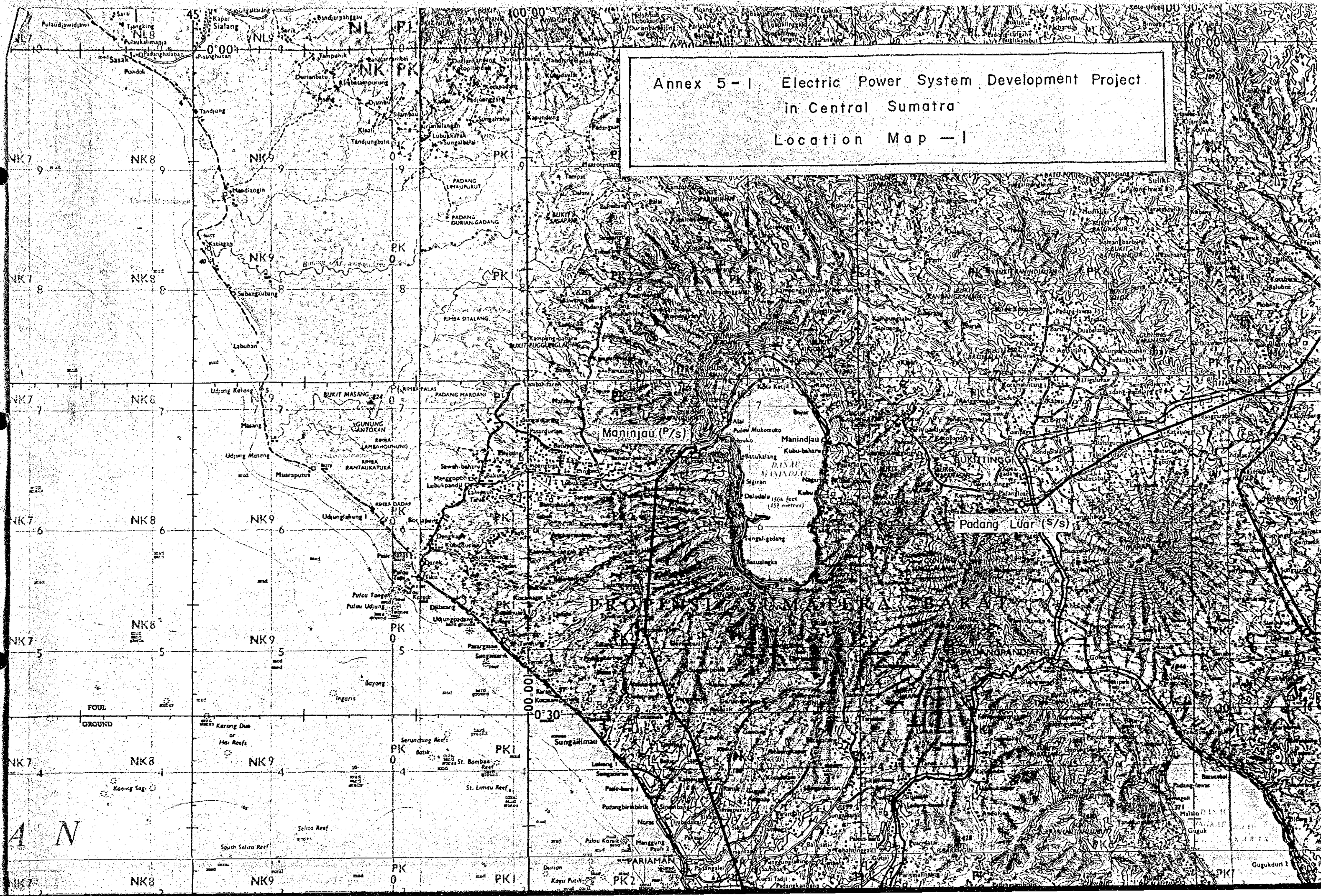
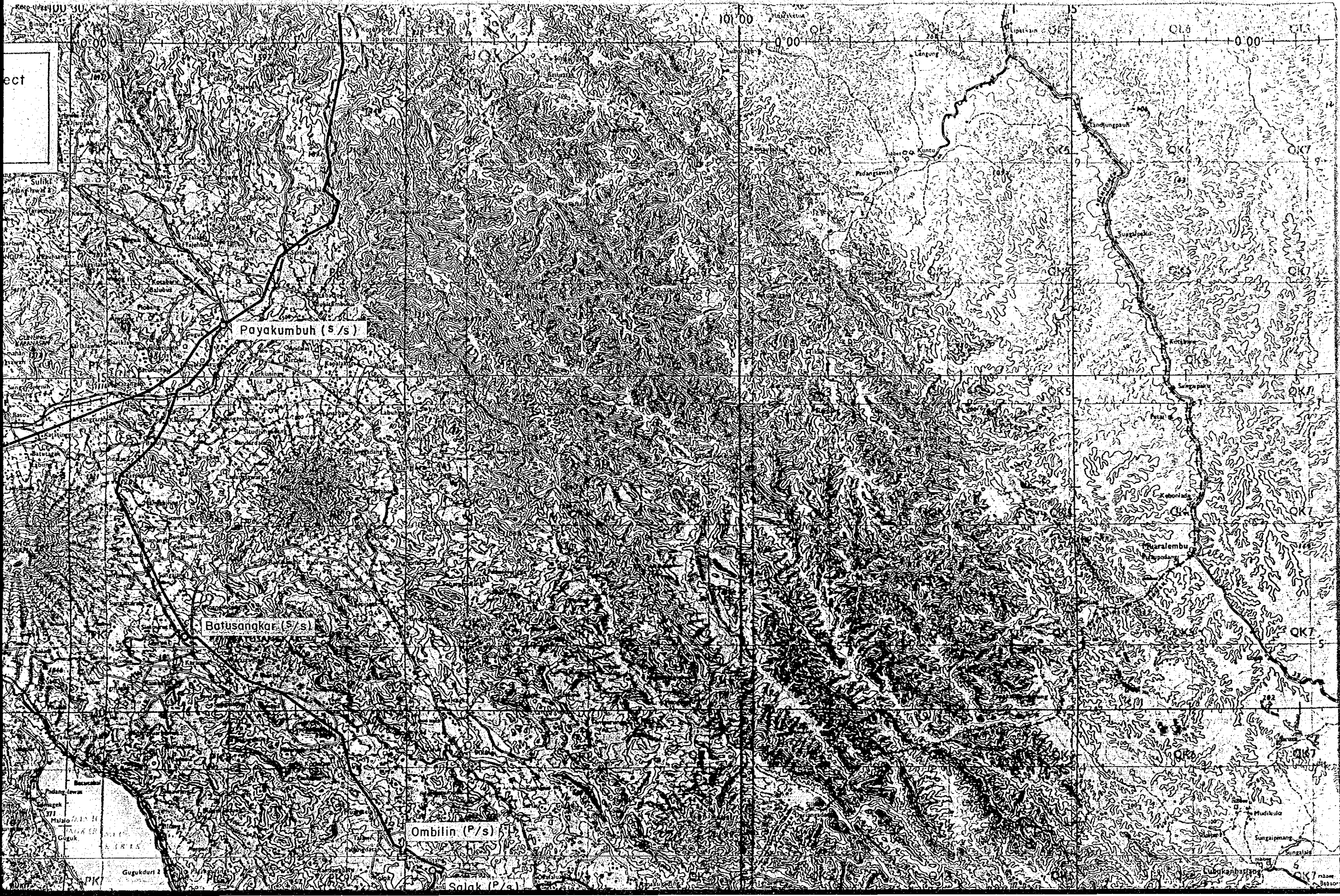


Annex 5-1 Electric Power System Development Project  
in Central Sumatra  
Location Map - I







ect

Map sources are irreconcilable

Payakumbuh (S/S)

Batasangkar (S/S)

Ombilin (P/s)

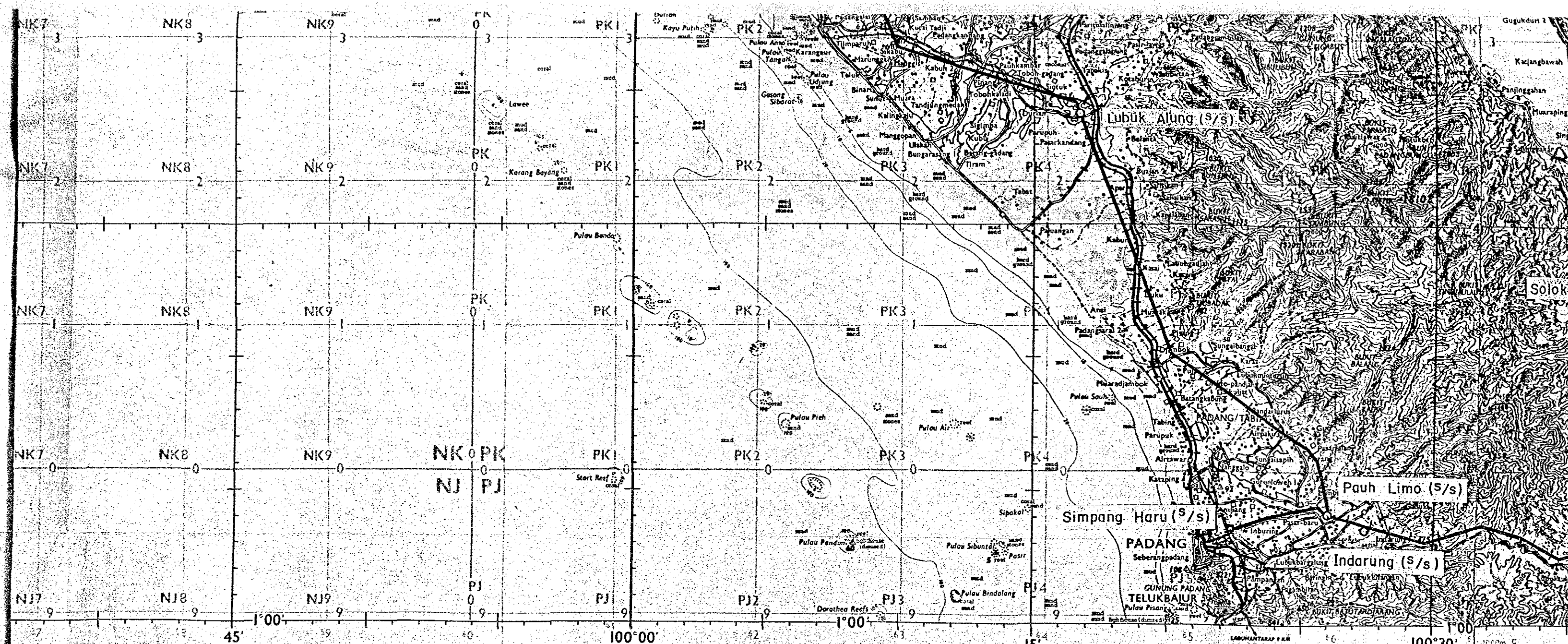
Salak (P/s)

Padang  
Sungai  
771  
Mido  
Guguk

Gugukduri 2

7 11200  
34010



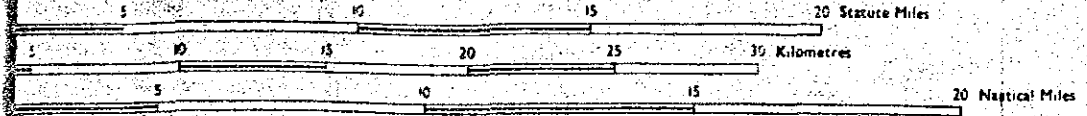


**ELEVATIONS IN METRES  
DEPTHS IN FATHOMS**

10-70 PRINTED BY THE U. S. ARMY TOPOGRAPHIC COMMAND Printed by Mapping and Charting Establishment RE 470 61 MCC:RE

**OPERATIONS GRAPHIC-GROUND**

Scale 1:250,000



INTERVAL 100 METRES WITH SUPPLEMENTARY CONTOUR AT 50 METRES

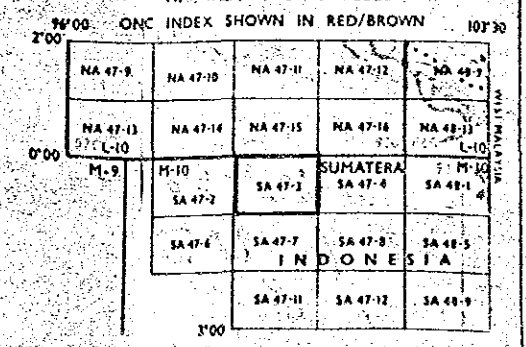
TRANSVERSE MERCATOR PROJECTION

REFER CORRECTIONS TO THIS GRAPHIC TO

**GLOSSARY**

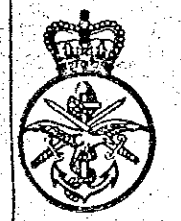
- Air, A ..... river
- Batang, B ..... hill, mountain
- Bukit ..... lake
- Deras ..... bank, reef, shoal
- Gosong ..... mountain
- Gunung ..... mountain
- Kabupaten ..... regency
- Karang ..... reef
- Kotapradja ..... municipality
- Phara ..... estuary
- Padang ..... open grass area
- Propinsi ..... province
- Pulau ..... island
- Rawang ..... marsh, swamp
- Rimba ..... patch of trees
- Sungai, S ..... river
- Ujung ..... cape, point

**LOCATION DIAGRAM FOR SA 47-3**



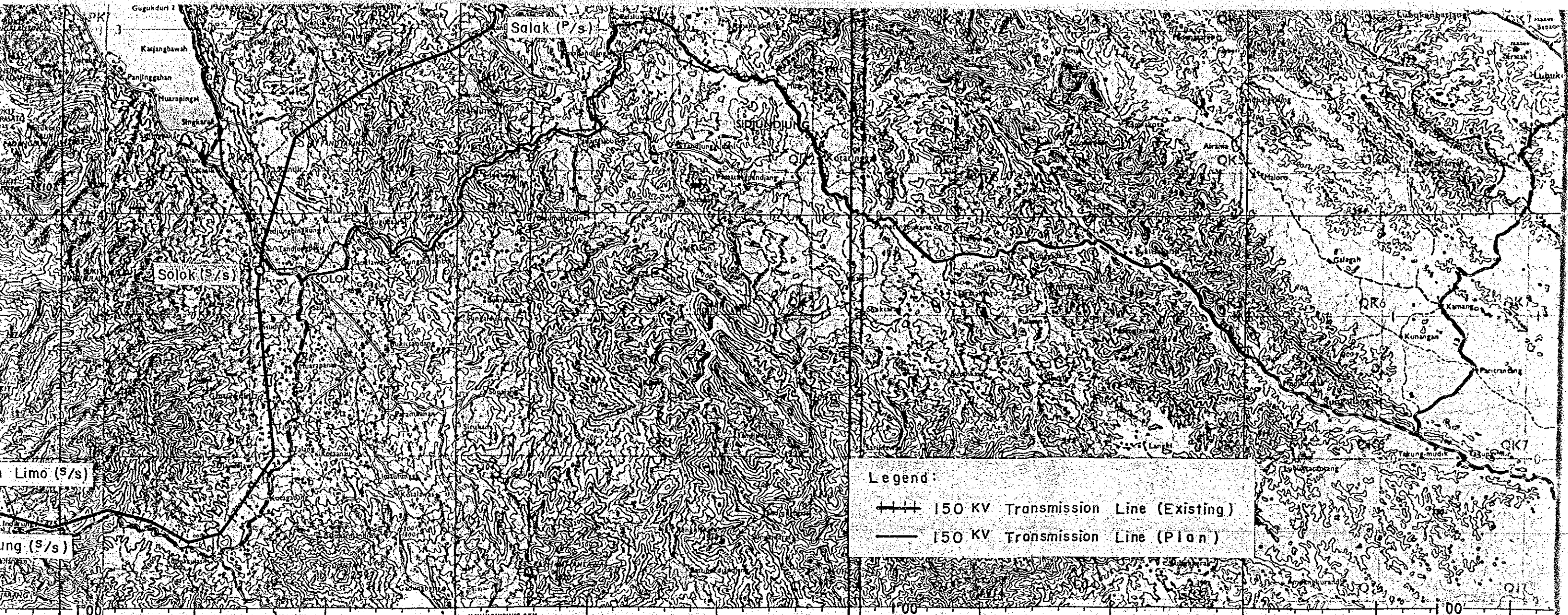
STOCK NO. 1501XSA4703

SERIES 1501  
SHEET SA 47-3  
EDITION I-GSGS



brown along roads denote 1pp  
THIS SUPERSEDES SERIES T300  
THIS GRAPHIC IS NOT AN AUTHORITY





**Legend:**

- ++++ 150 KV Transmission Line (Existing)
- 150 KV Transmission Line (Plan)

100°30' 00" E      101°00' 00" E

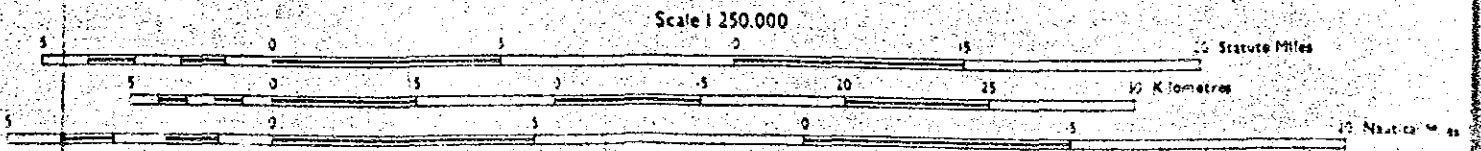
Charting Establishment RE the Director of Military Survey, Ministry of Defence, United Kingdom 1970  
 4 70 61 MCE,RE  
 COPYRIGHT 1970  
 SPC,RE in 1969

**ELEVATIONS IN METRES**  
**DEPTHS IN FATHOMS**

**JOINT OPERATIONS GRAPHIC-GROUND**

FOR SA 47-3  
 IN BLUE  
 RED/BROWN 103'30"

NA 47-12	SA 48-3
NA 47-16	NA 48-1
SUMATERA	SA 48-10
SA 47-4	SA 48-11
SA 47-8	SA 48-5
D O N E S I A	
SA 47-12	SA 48-9



1711	1712	1713	1714
1715	1716	1717	1718
1719	1720	1721	1722
1723	1724	1725	1726

CONTOUR INTERVAL 100 METRES WITH SUPPLEMENTARY CONTOUR AT 50 METRES

Contour      Supplementary contour

**TRANSVERSE MERCATOR PROJECTION**

MAGNETIC DECLINATION FOR 1967 VARIES FROM 2°53' 14" MILLS FOR THE NW CORNER TO 0°34' 11.3" MILLS FOR THE SE CORNER  
 Annual rate of change negligible

REFER CORRECTIONS TO THIS GRAPHIC TO:  
 DIRECTOR OF MILITARY SURVEY, MINISTRY OF DEFENCE, LONDON

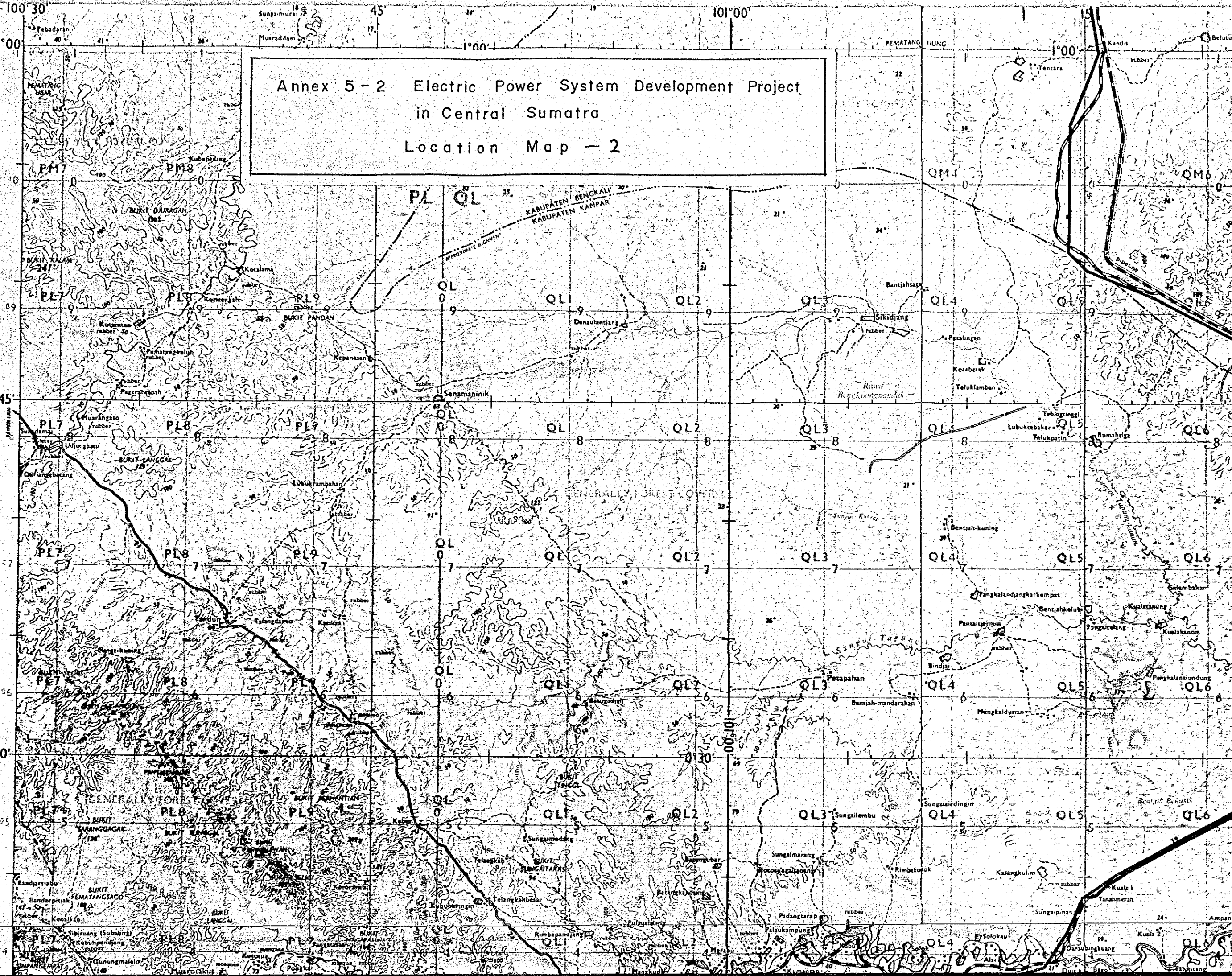
**A-41**



SA4703  
 1501  
 SA 47-3  
 I-GSGS  
 brown along roads denote approximate distances in kilometres between markers  
 THIS GRAPHIC SUPERSEDES SERIES T503 SHEET SA 47-4  
 THIS GRAPHIC IS NOT AN AUTHORITY ON INTERNATIONAL BOUNDARIES



SERIES 1501  
SHEET NA 47-16  
EDITION I-GSGS



Annex 5-2 Electric Power System Development Project  
in Central Sumatra  
Location Map - 2

- LEGEND**
- POPULATED PLACES**
- 1st importance
  - 2nd importance
  - 3rd importance
  - 4th importance
  - 5th importance
- ROADS**
- All weather, hard surface
  - Two or more lanes wide
  - Principal route
  - Secondary route
  - Less than two lanes wide
  - Principal route
  - Secondary route
  - All weather, loose or light surface
  - Two or more lanes wide
  - Principal route
  - Secondary route
  - Less than two lanes wide
  - Principal route
  - Secondary route
  - Fair or dry weather
  - loose surface dirt road
  - Principal route
  - Secondary route
  - Car-path
  - Trail (footpath)
- RAILROADS**
- Normal ga-g. 76"(1.067m)
  - Narrow ga-g.
- BOUNDARIES**
- International
  - Provincial
  - Sub-provincial
- RELIEF**
- 100' contour, normal
  - 100' contour, critical
  - Following elevation value indicates accuracy is not within 30 metres
  - Major contour control point trig. station
- WOODLAND** Rice paddy
- UNDEVELOPED STREAM**
- Tree cultivation
  - Swamp or marsh
  - Reed, Tropical grass
  - Reef, Lumps of danger
  - Rocks, sunken, swash
  - Foreshore flat
- Power transmission line**
- CAUTION** Power line information has been extracted from the most reliable source available. However, there is no assurance that all power lines are shown.
- AERODROMES (Military or Civil)**
- Field limits with runway pattern
  - EDNA - Name
  - 22' - Elevation
  - Field limits with runway pattern unknown
  - Field limits unknown with runway pattern
  - Field limits and runway pattern unknown
- SEAPLANE BASE**
- SEAPLANE (EMERGENCY)**
- HELIPORT**
- VISUAL AIDS AND OBSTRUCTIONS**
- Obstruction
  - 138' - Elevation of obstruction top above sea level
  - 178' - Elevation of obstruction top above ground level
  - Ground obstruction
  - Radio facility obstruction

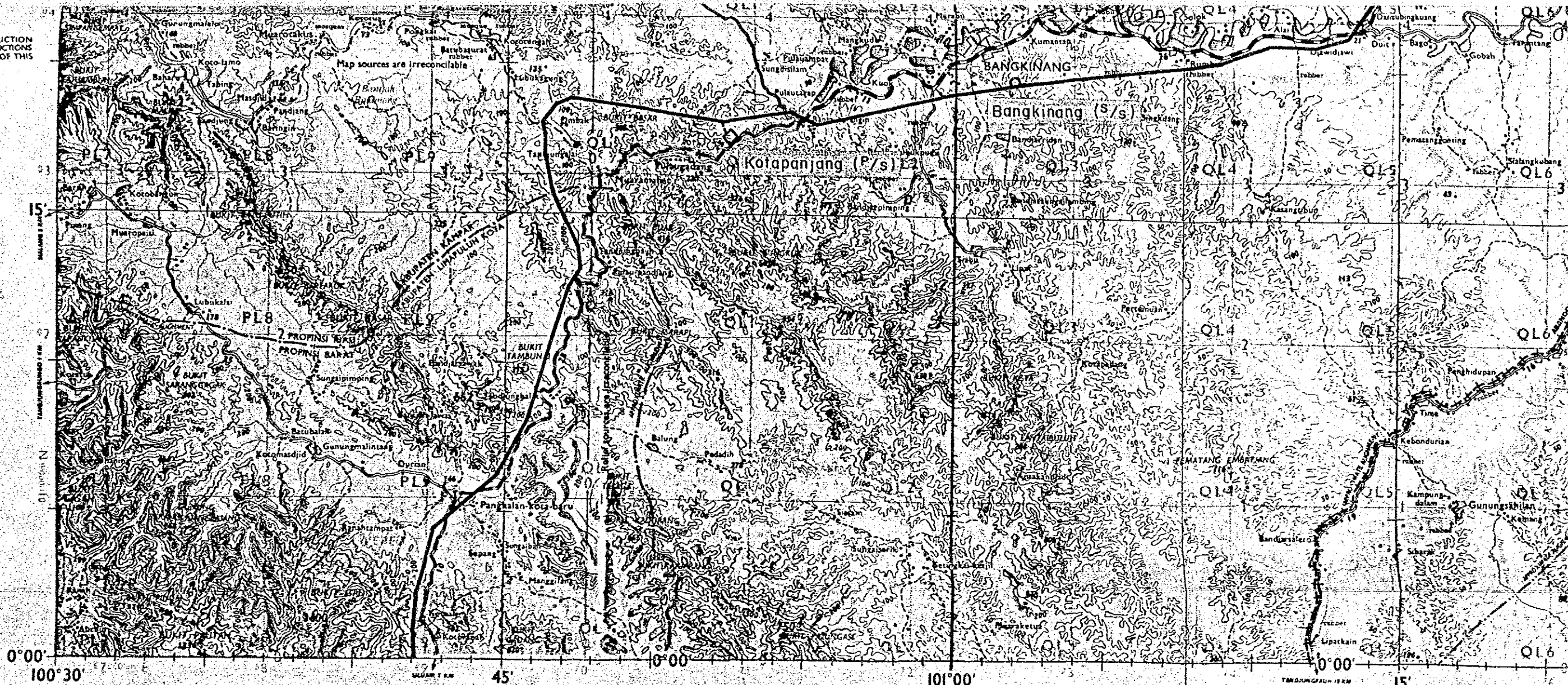




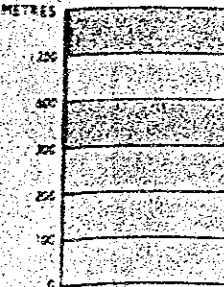


RELIABILITY OF VERTICAL OBSTRUCTION DATA NO INFORMATION ON OBSTRUCTIONS IS AVAILABLE WITHIN THE AREA OF THIS GRAPHIC

GEOREF BASIC IS QUADRANGLE UG



ELEVATION TINTS



SCALE 1:250,000  
PAKANBARU  
INDONESIA

SERIES 1501  
SHEET NA 47-16  
EDITION I-GSGS



Figures in red/brown along roads denote approximate distances in kilometres between markers  
THIS GRAPHIC SUPERSEDES SERIES T501 SHEET NA 47-16

NOTE: THIS GRAPHIC IS NOT AN AUTHORITY ON INTERNATIONAL BOUNDARIES

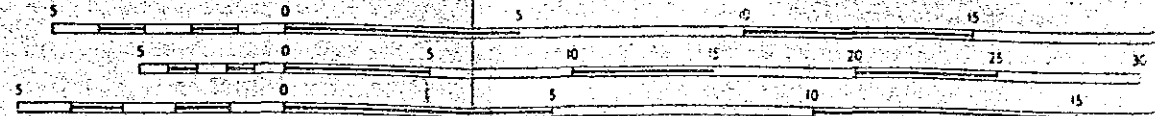
Published by the Director of Military Survey, Ministry of Defence, United Kingdom 1970  
CROWN COPYRIGHT 1970  
Compiled by Ordnance Survey in 1969

ELEVATIONS IN METRES

Q1	Q2	Q3	Q4
Q5	Q6	Q7	Q8
Q9	Q10	Q11	Q12
Q13	Q14	Q15	Q16
Q17	Q18	Q19	Q20
Q21	Q22	Q23	Q24
Q25	Q26	Q27	Q28
Q29	Q30	Q31	Q32
Q33	Q34	Q35	Q36
Q37	Q38	Q39	Q40
Q41	Q42	Q43	Q44
Q45	Q46	Q47	Q48
Q49	Q50	Q51	Q52
Q53	Q54	Q55	Q56
Q57	Q58	Q59	Q60

# JOINT OPERATIONS GRAPHIC-GR

Scale 1:250,000



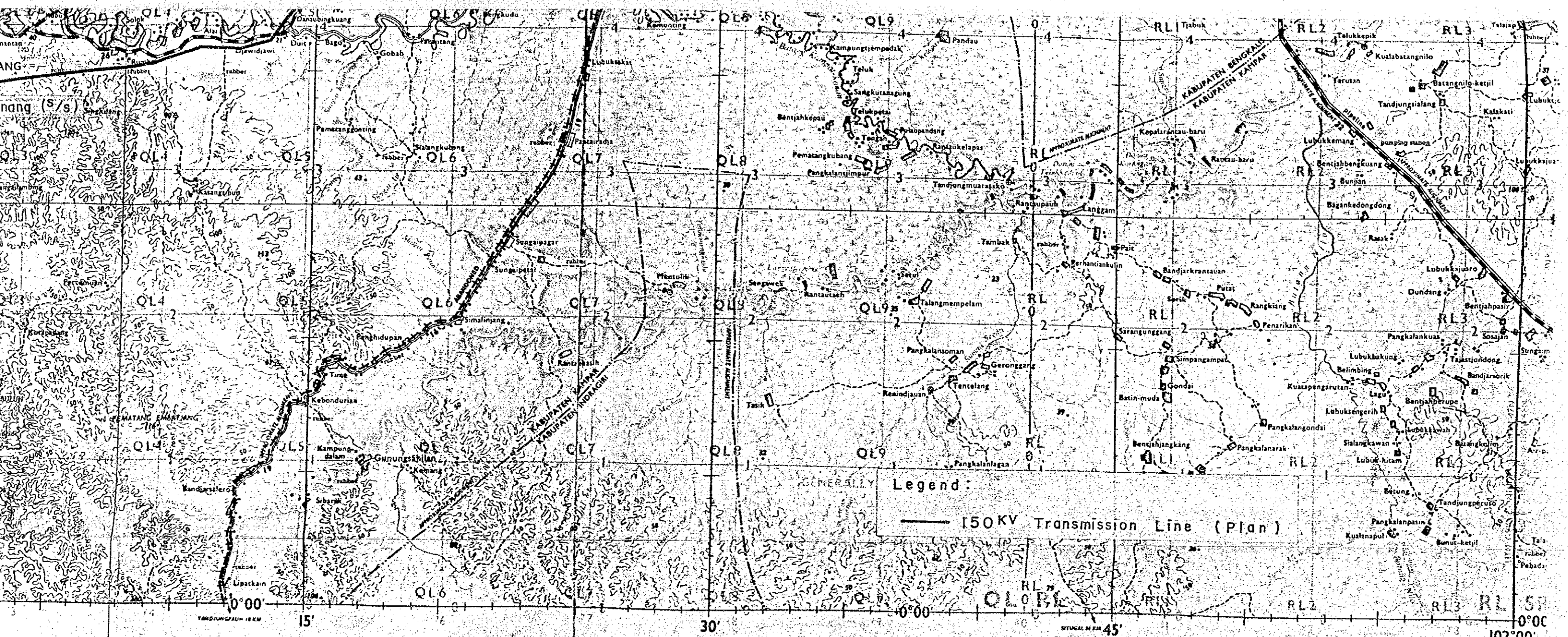
CONTOUR INTERVAL 100 METRES WITH SUPPLEMENTARY CONTOUR AT 50 METRES

Contour 100 Supplementary contour 50

TRANSVERSE MERCATOR PROJECTION

MAGNETIC DECLINATION FOR 1969 VARIES FROM 0°13'14" MILS E FOR THE SW CORNER TO 0°32'10" MILS E FOR THE NE CORNER. ANNUAL RATE OF CHANGE IS 0.01 MILS PER ANNUM.

REFER CORRECTIONS TO THIS GRAPHIC TO  
DIRECTOR OF MILITARY SURVEY, MINISTRY OF DEFENCE, LONDON

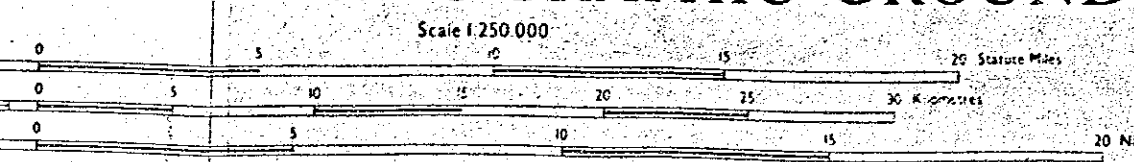


Legend:  
 ——— 150KV Transmission Line (Plan)

ELEVATIONS IN METRES

Printed for the Director of Military Survey, Ministry of Defence, United Kingdom by Ordnance Survey  
 8-70 PRINTED BY THE U. S. ARMY TOPOGRAPHIC COMMAND

T OPERATIONS GRAPHIC-GROUND



CONTOUR INTERVAL 100 METRES WITH SUPPLEMENTARY CONTOUR AT 50 METRES

TRANSVERSE MERCATOR PROJECTION

DISTRIBUTION LIMITED—DESTROY WHEN NO LONGER NEEDED

LOCATION DIAGRAM FOR NA 47-16  
 WAC INDEX SHOWN IN BLUE  
 ONC INDEX SHOWN IN RED/BROWN

MALAYSIA		MALAYSIA	
NA 47-6	NA 47-7	NA 47-8	NA 47-9
WEST MALAYSIA		WEST MALAYSIA	
SINGAPORE		SINGAPORE	
SUMATRA		SUMATRA	
NA 47-10	NA 47-11	NA 47-12	NA 47-13
NA 47-14	NA 47-15	NA 47-16	NA 47-17
INDONESIA		INDONESIA	
SA 47-1	SA 47-2	SA 47-3	SA 47-4
SA 47-5	SA 47-6	SA 47-7	SA 47-8
SA 47-9	SA 47-10	SA 47-11	SA 47-12

GLOSSARY

Air	stream
Bentjah, Bentjah	marsh
Batang	river
Bukit	hill
Danau	lake
Gunung	mountain
Kabupaten	regency
Pemadang	hillock
Propinsi	province
Rawa, Rawang	marsh, swamp
Sungai S.	river
Taik	lake
Tengah-tengah	central

MAGNETIC DECLINATION FOR 1969 VARIES FROM 0°13'14" MILS E FOR THE SW CORNER TO 0°32'10" MILS E FOR THE SE CORNER  
 Annual rate of change is mag. 8 G.

REFER CORRECTIONS TO THIS GRAPHIC TO  
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A-42  
 SERIES 1501  
 SHEET NA 47-16  
 EDITION 1-GSGS