

**AWM52**  
**2nd Australian Imperial Force and**  
**Commonwealth Military Forces unit war**  
**diaries, 1939-45 War**

Item number: 8/2/20

20 Infantry Brigade  
Maps 1945, part 4 of 4



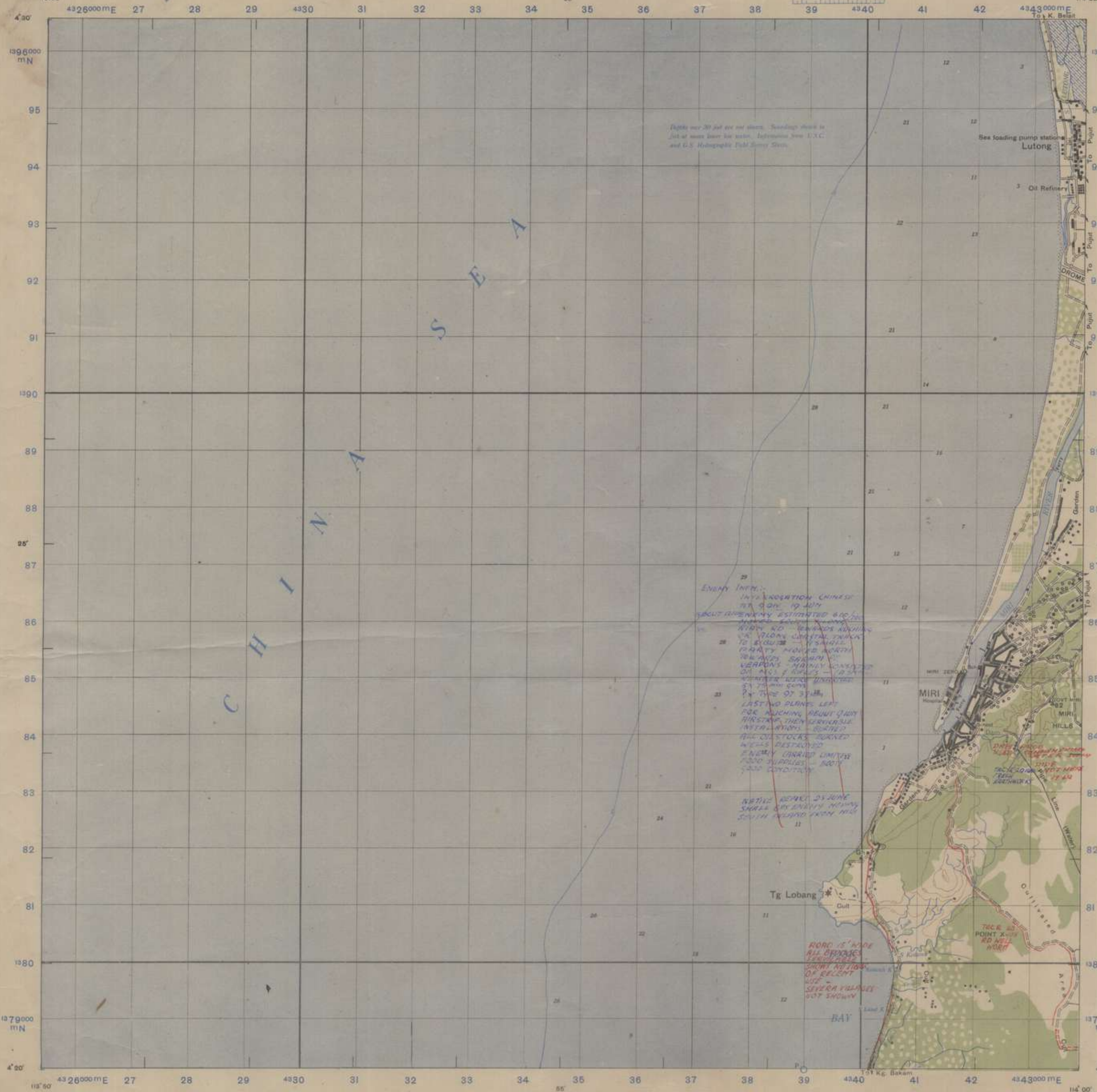
INFM TO 6 JUL

BORNEO 1:50,000

# LOAK BAY

FIRST EDITION SWPA 1

SHEET 2744-II



Rights reserved for the Crown. Soundings shown in feet at mean low water. Information from I.S.C. and U.S. Hydrographic and Survey Service.

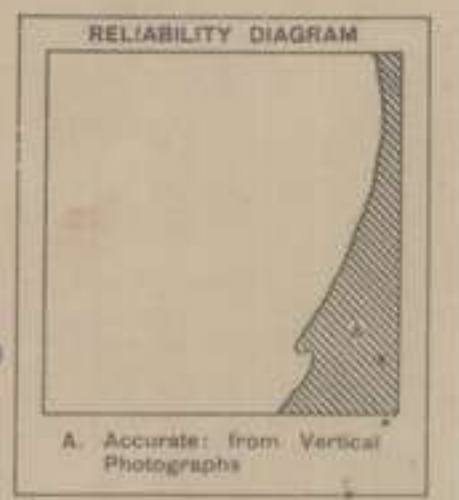
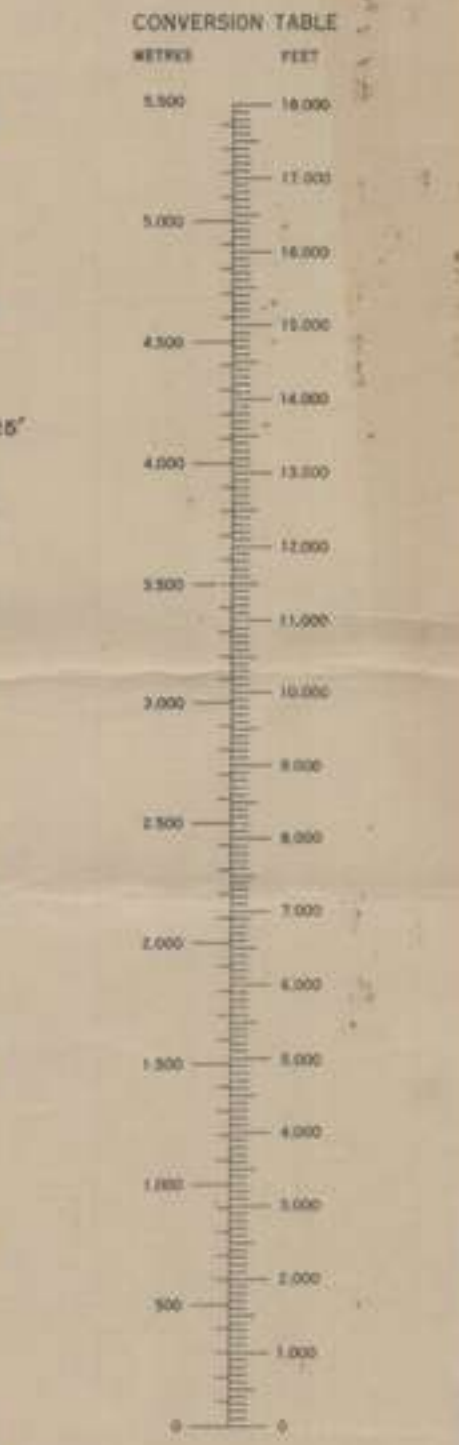
*ENEMY INFO. - INTERSECTION CHINESE SEA SIDE TO LUTONG. ENEMY ESTIMATED 800 MEN. ENEMY WEAPONS - MAINLY MACHINE GUNS AND LIGHT INFANTRY. ENEMY CARRIED LIMITED FOOD SUPPLIES - SOUTH EAST COAST.*

*NOTE: REPORT BY JUNE SHOWS ENEMY THINGS SOUTH INLAND FROM HILL.*

*ROAD IS MADE ALL BRIDGES DESTROYED. SEVERAL VILLAGES NOT SHOWN.*

**LEGEND**

- Highway hard surfaced
- Roads hard surfaced
- Roads lightly surfaced
- earth minor M.T.
- Track jeep
- Trail
- Telephone or telegraph lines
- Bridge
- Footbridge
- Railway narrow gauge
- Buildings or huts
- Tanks, oil
- Wells, oil
- Church
- Lighthouse
- Gardens
- Shallow or drying reef
- Streams
- Streams intermittent
- Swamp
- 30 foot depth line
- Rice fields
- Mud flats
- Radio station
- Mangroves
- Forest
- Secondary growth
- Scattered trees
- Plantations
- Cliffs
- Sand



LHQ/032/3154  
SWPA 7731

**CONTROL:** 1st Order Triangulation by Surveyor General FMS & 95 and Shell Oil Coy Surveys.  
**AIR PHOTOGRAPHY:** Missions 5M020-L1, 311ZT and Shell Oil Coy photographs.  
**COMPILED:** LHQ Cartographic Coy, Aust Svy Corps from Air Photographs, British Admiralty Chart No 2108, Shell Oil Coy Map, Straz Ing Study No. 115 and Terrain Study No. 88.  
**DRAWING & REPRODUCTION:** LHQ Cartographic Coy, Aust Svy Corps, Apr 45.

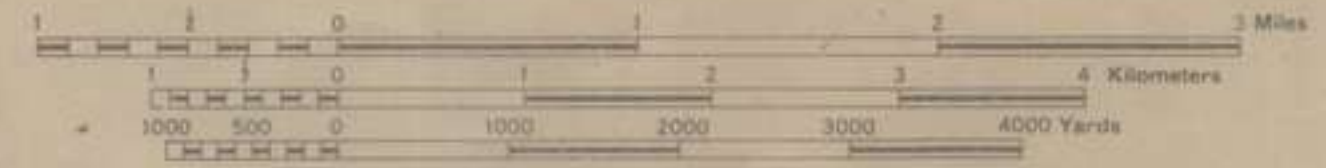
FIRST EDITION

**Glossary**

- Tanipeng, Tg. .... cape
- Bai, Bar, B. .... bay
- Strait, Sr. .... strait
- Bank, B. .... hill
- Brangk, Br. .... marsh
- Danu, D. .... lake
- Qazaghetber, Qn. .... adminr office
- Goenoeng, G. .... mountain
- Ladang, L. .... cultivated land
- Moesa, Kosela, K. .... river mouth
- Moengkoer, Mr. .... hill top
- Padang, P. .... plain, field
- Pematang, Pm. .... ridge, dam
- Pangal, P. .... river
- Pamong, P. .... village

APPROXIMATE MEAN DECLINATION 1944 FOR CENTRE OF SHEET  
ANNUAL MAGNETIC CHANGE 2' INCREASE  
For diagram only to show magnetic variation.  
True magnetic north line passes the grid point "P" on the north edge of the map with the value of the angle between ERD NORTH and MAGNETIC NORTH, as marked on the diagram north of the north edge of the map.

**CAUTION:** This map was produced from aerial photographs. Due to lack of accurate ground control, distances scaled on this map may be at variance with actual ground distances.



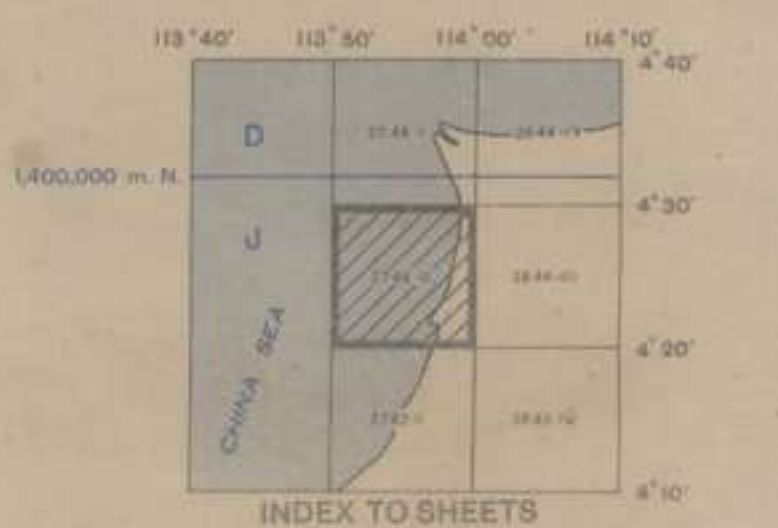
CONTOUR INTERVAL 20 METRES DATUM SEA LEVEL

**NOTE:** OFFICERS USING THIS MAP ARE REQUESTED TO MAKE ANY NECESSARY ADDITIONS AND AMENDMENTS ON THE MAP ITSELF AND FORWARD SAME TO SURVEY DIRECTORATE, H.Q. SVY. FORCE CONCERNED.

HEIGHTS IN METRES, DEPTHS IN FEET.

**BRITISH METRIC GRID (B.M.G.)**  
N.E.I. EQUATORIAL ZONE  
Projection: Lambert Conical Orthomorphic  
Origin: Equator and 110° E  
False Co-ordinates 2,900,000 metres East of Origin  
900,000 metres North

To give the co-ordinates of a point use only the larger figures on the grid lines and add tenths.  
The grid numbers at the corners are the full co-ordinates referred to the origin of the grid zone.  
EXAMPLE - POINT X (Aust) 425605 (U) 425-905  
ALWAYS state SHEET NAME in giving a reference on the grid.



**LOAK BAY BORNEO**  
N 420 - E 11350/10 (Greenwich)

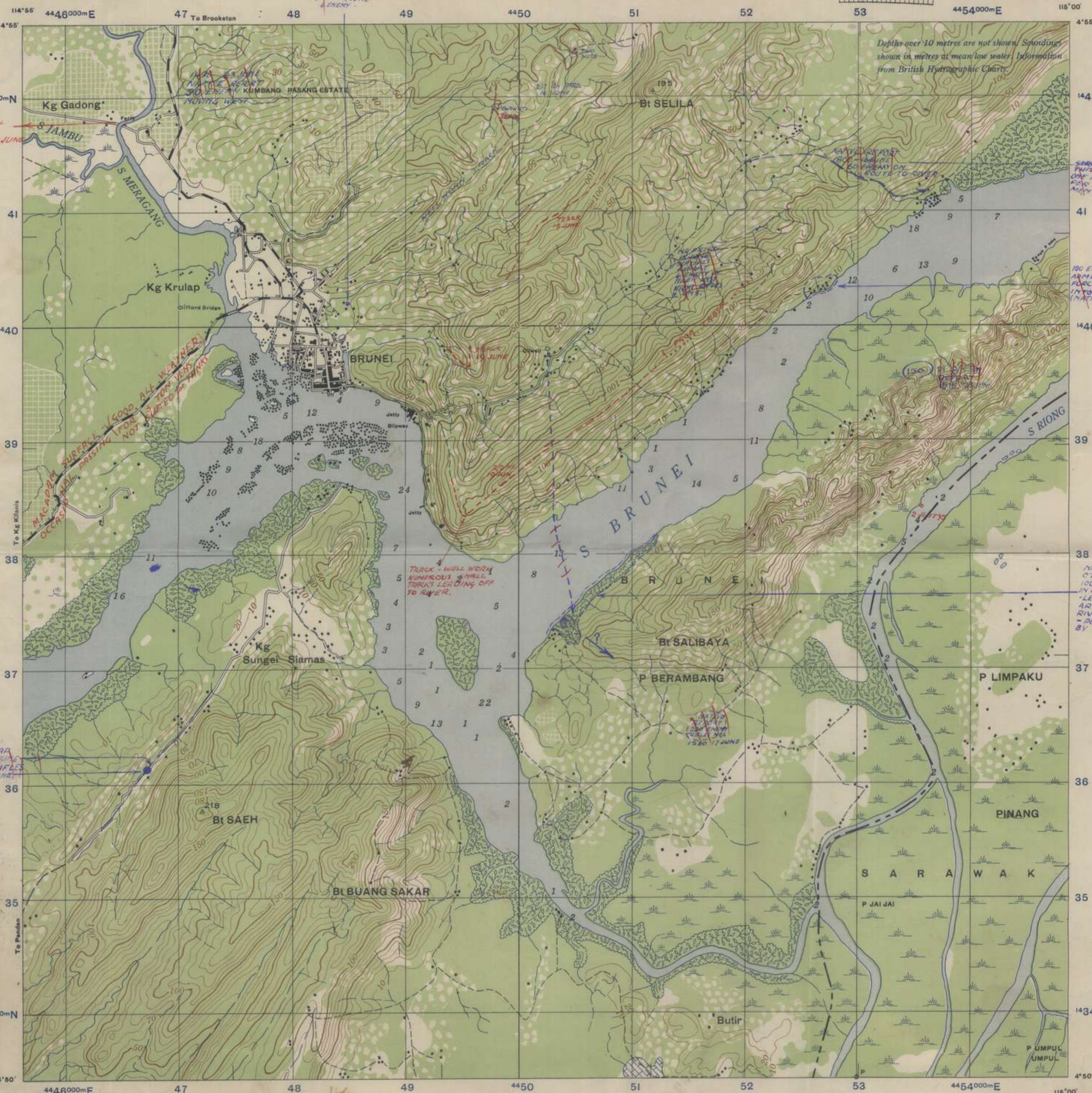


INFM TO 6 JUL

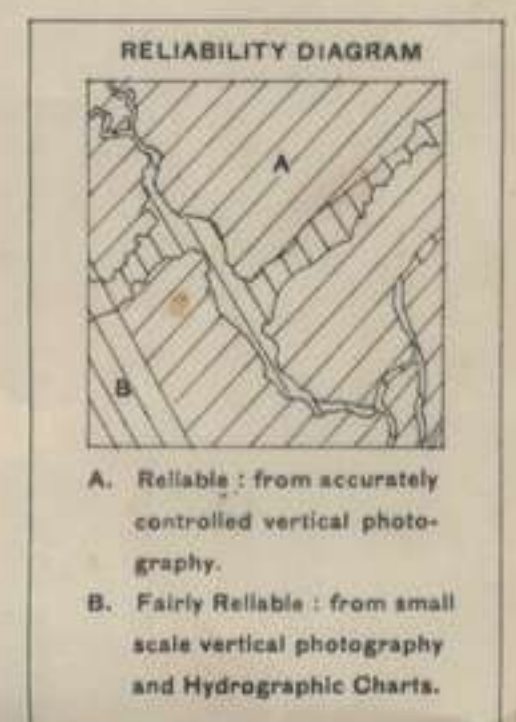
# BRUNEI SOUTH EAST

BORNEO 1:25,000

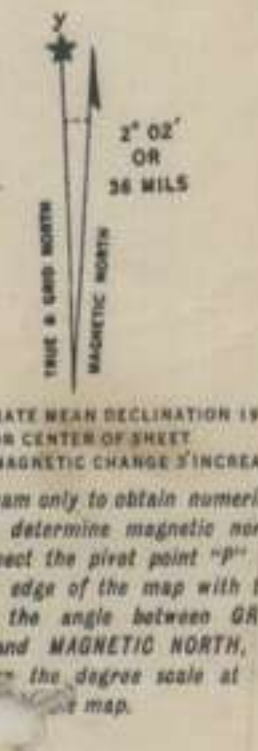
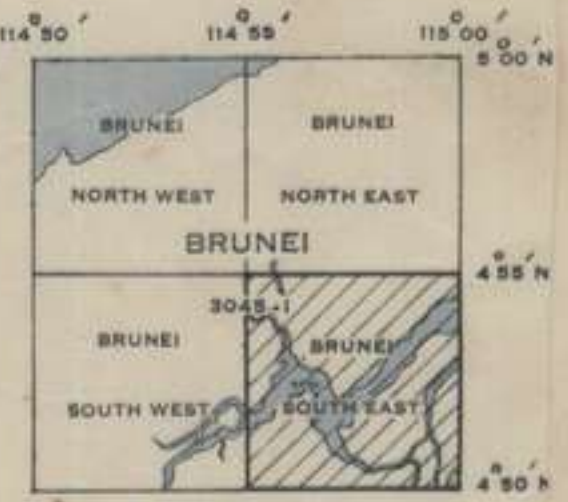
SHEET 3045-I SE



- LEGEND**
- Road, hard surfaced
  - Road, lightly surfaced
  - Road, earth
  - Joop Track
  - Trail
  - Highway Bridge
  - Horizontal Control Point
  - Buildings or Huts
  - Streams
  - Swamp
  - Mangroves
  - Scattered Trees
  - Forest
  - Secondary Growth
  - Plantation (Coconut)
  - Plantation (Rubber)
  - Sand
  - Cliffs
  - Boundary, International
  - Rice Fields



NATIVE REPORT  
0730 - 11 JUNE  
100-200 ENEMY  
IN MANGROVES  
- LEFT OF WELL  
AREA - CROSSED  
RIVER BY BRIDGE  
- POSSIBLY ENFORCED  
BY ARTY & MG

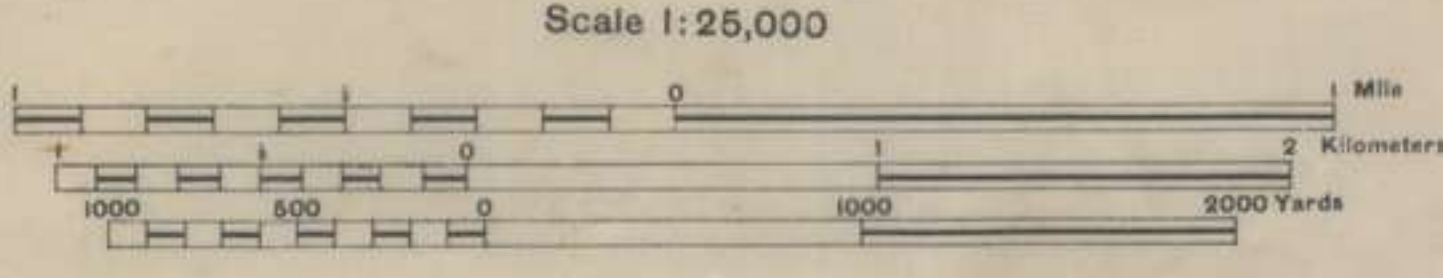


APPROXIMATE MEAN DECLINATION 194 FOR CENTER OF SHEET  
ANNUAL MAGNETIC CHANGE 3' INCREASE  
Use diagram only to obtain numeric value. To determine magnetic north line connect the pivot point "P" the south edge of the map with 1 value of the angle between GR NORTH and MAGNETIC NORTH, plotted on the degree scale at north of map.

NETHERLANDS EAST INDIES EQUATORIAL ZONE GRID

TO GIVE A GRID REFERENCE ON THIS SHEET ALWAYS QUOTE THE SHEET NAME PAY ATTENTION TO LARGER MARGINAL FIGURES ONLY

POINT Bt SELILA	
EAST TAKE WEST EDGE OF SQUARE IN WHICH POINT LIES AND READ THE FIGURE PRINTED OPPOSITE THIS LINE ON NORTH OR SOUTH MARGIN Estimate in the Eastwards	NORTH TAKE SOUTH EDGE OF SQUARE IN WHICH POINT LIES AND READ THE FIGURE PRINTED OPPOSITE THIS LINE ON EAST OR WEST MARGIN Estimate in the Northwards
REFERENCE BRUNEI S. E. 322491	NORTH 421
UNIT SQUARE	METRE 1000 METRES
NAREST SIMILAR CO-ORDINATE REFERENCE DISTANT	100 KILOMETRES



**CONTROL:** British Trigonometrical Survey 1937.  
**AIR PHOTOGRAPHY:** 2 Photo Charting Sqn, 311 Photo Wing, U.S.A.A.F. Missions BMD7, BMD9, BMD10 Feb 45.  
**COMPILATION:** 2/1 Aust Army Topo Svy Coy, Aust Svy Corps, from Air Photos; Terrain Study 89 by A.G.S. S.W.P.A.; 1:38,000 Entrance to Sungai Brunei by U.S. Hydrographic Office 1946; British Hydrographic Charts Nos 1844 and 2123; and 1:253,440 Map of LABUAN prepared by Aust Svy Corps 1944.  
**DRAWING:** 1 Aust Mob Litho Svc Aust Svy Corps  
**REPRODUCTION:** 805 Engr. A.F. H.Q. Co. 281 May '46

CONTOUR INTERVAL 10 METRES  
LAMBERT CONICAL ORTHOMORPHIC PROJECTION  
HEIGHTS AND DEPTHS IN METRES

**NOTE:** OFFICERS USING THIS MAP ARE REQUESTED TO MAKE ANY NECESSARY ADDITIONS AND AMENDMENTS ON THE MAP ITSELF AND FORWARD SAME TO SURVEY DIRECTORATE, H.Q. OF FORCE CONCERNED

- ABBREVIATIONS**
- Bt BUKIT (HILL)
  - P PULAU (ISLAND)
  - S SUNGAI (RIVER)
  - Kg KAMPONG (VILLAGE)

BRUNEI SOUTH EAST  
BORNEO



INFM TO 6 JUL

BORNEO 1:50,000

BURI

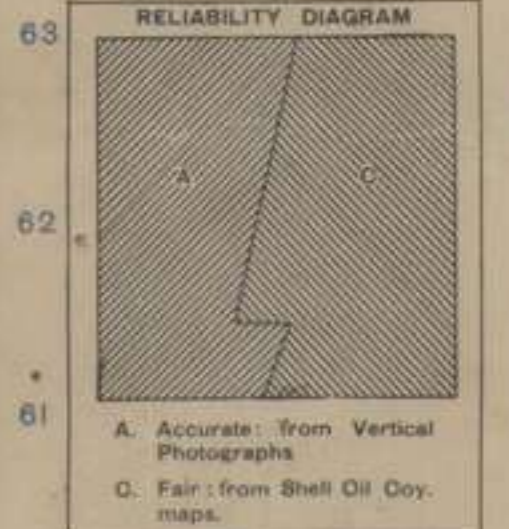
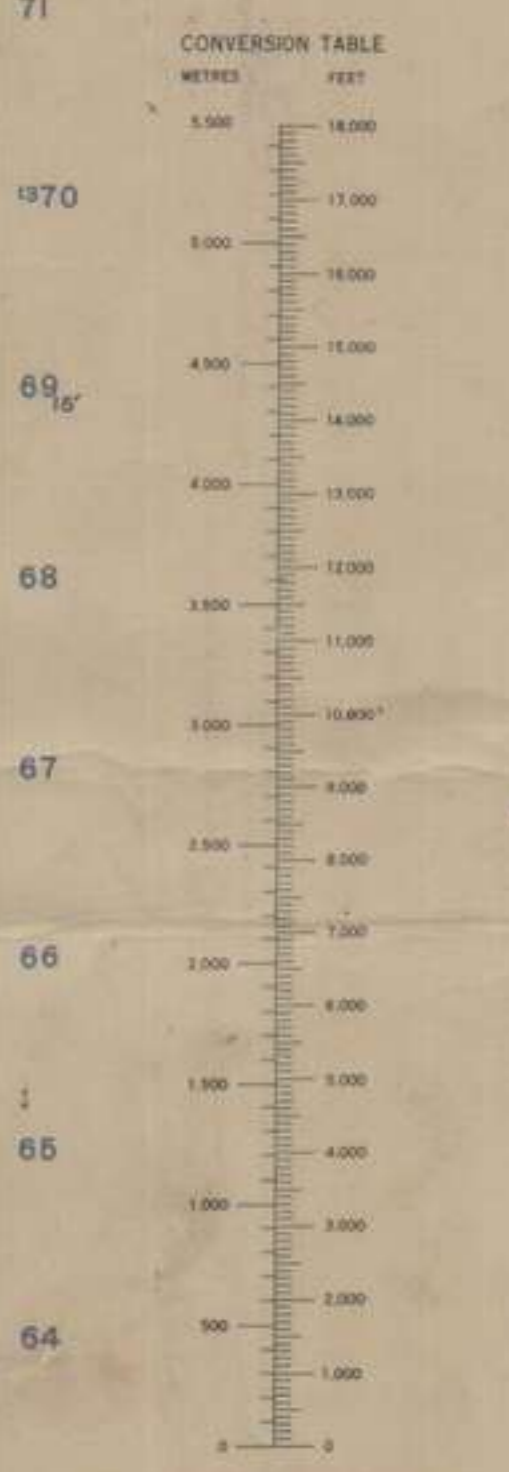
FIRST EDITION SWPA 1

SHEET 2843-IV



**LEGEND**

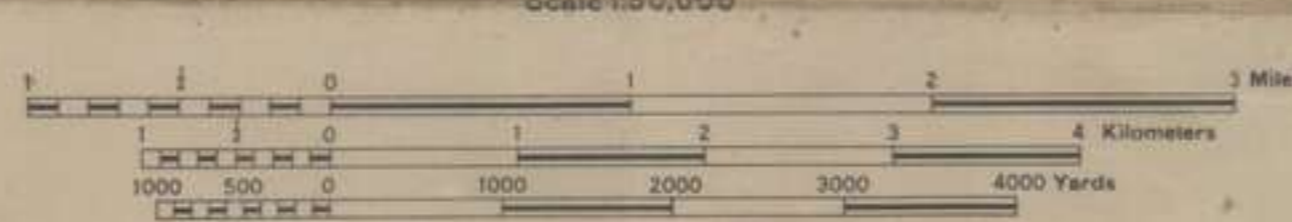
Highway hard surfaced	—
Roads hard surfaced	—
Roads highly surfaced	—
Roads earth minor M.T.	—
Track jeep	—
Trail	—
Telephone or telegraph lines	—
Bridge	—
Footbridge	—
Railway narrow gauge	—
Buildings or huts	—
Tanks, oil	—
Wells, oil	—
Church	—
Lighthouse	—
Gardens	—
Shallow or drying reef	—
Streams	—
Streams intermittent	—
Swamp	—
30 foot depth line	—
Rice fields	—
Mud flats	—
Drain	—
Mangroves	—
Forest	—
Secondary growth	—
Scattered trees	—
Plantations	—
Cliffs	—
Sand	—



4344000 ME 45 46 47 48 49 4360 51 52 53 54 55 56 57 58 59 4360 61 4362000 ME  
114° 00' 4344000 ME 45 46 47 48 49 4360 51 52 53 54 55 56 57 58 59 4360 61 4362000 ME  
114° 00'

CONTROL: 1st and 2nd Order Triangulation by Surveyor General FMS & SS and Shell Oil Coy Surveys.  
AIR PHOTOGRAPHY: Shell Oil Coy photographs.  
COMPILATION: LHQ Cartographic Coy, Aust Svy Corps from Air Photographs and Shell Oil Coy Maps.  
DRAWING & REPRODUCTION: LHQ Cartographic Coy, Aust Svy Corps, Apr 48.

FIRST EDITION



BRITISH METRIC GRID (B.M.G.)  
N.E. EQUATORIAL ZONE  
Projection: Lambert Conical Orthomorphic  
Origin: Equator and 110° E  
False Co-ordinates 3,000,000 metres East of Origin  
900,000 metres North

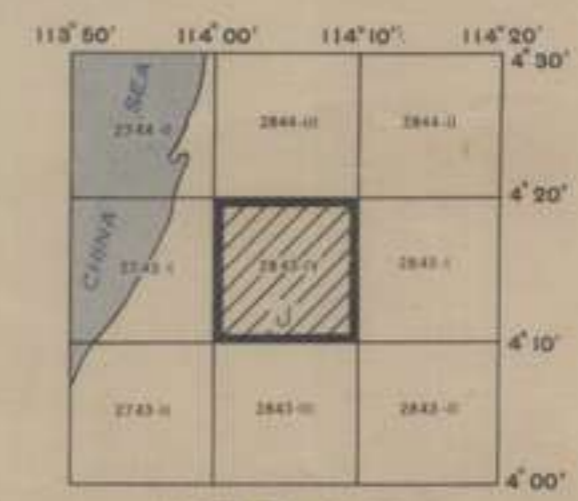
To give the co-ordinates of a point use only the larger figures on the grid lines and add tenths.  
The grid numbers at the corners are the full co-ordinates referred to the origin of the grid zone.  
EXAMPLE: POINT X (Aust) 605945; (US) 605-645  
ALWAYS state SHEET NAME in giving a reference on this grid.

**Glossary**

Tandjoeng: Tg	cape
Seai: Svi Bi	bay
Straet: Str	strait
Boekit: Bt	hill
Brangka: Br	marsh
Danu: D	lake
Gezaghebber: Gh	admstr office
Goenoeng: G	mountain
Ladang: L	cultivated land
Moera, Koeala	river mouth
Moengkoer: Mr	hill top
Padang	plain, field
Pematang	ridge, dam
Soengai: S	river
Kampung: Kg	village

**CAUTION:** This map was produced from aerial photographs. Due to lack of accurate ground control, distances scaled on this map may be at variance with actual ground distances.

**NOTE:** OFFICERS USING THIS MAP ARE REQUESTED TO MAKE ANY NECESSARY ADDITIONS AND AMENDMENTS ON THE MAP ITSELF AND FORWARD SAME TO SURVEY DIRECTORATE, H Q OF FORCE CONCERNED.



**BURI BORNEO**  
N 410 - E 11400/10 (Greenwich)



BORNEO 1:50,000

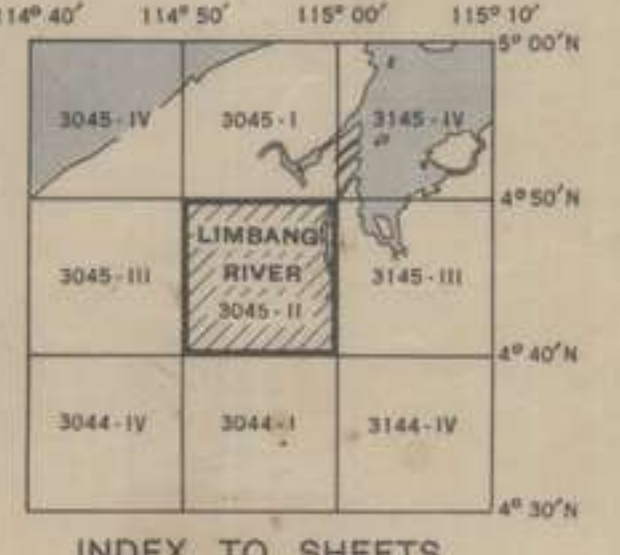
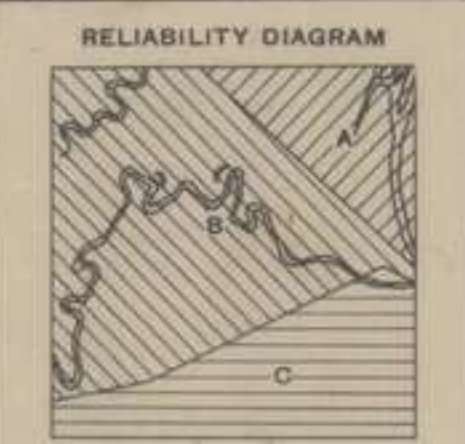
# LIMBANG RIVER

SHEET 3045-II



**LEGEND**

- Road, hard surfaced
- Road, lightly surfaced
- Road, earth
- Jeep Track
- Trail
- Highway Bridge
- Buildings or Huts
- Villages (Reported)
- Streams
- Swamp
- Mud Flats
- Scattered Trees
- Forest
- Secondary Growth
- Plantation (Coconuts)
- Plantation (Rubber)



NATIVE REPORT (CONSIDERED RELIABLE) 100 ENEMY DIGGING IN 1200 18 JUNE

NATIVE REPORT 18 JUNE 100 ENEMY HOLDING VILLAGE

NATIVE REPORT 21 JUNE 2500 ENEMY IN HILLS SOUTH OF JAI JAI 1730 18 JUNE

NATIVE REPORT 18 JUNE 100 ENEMY

NATIVE REPORT 20 JUNE 500 ENEMY (MOUNTAIN) FROM RIVERS & SWAMP, MOVING FROM MANGROVE AS MARCHING EAST. REPORT ON MOVEMENT WERE RECORDED (MOUNTAIN) MOUNTAIN TO BE IN SW 2422

ONE REPORT 02 JUNE 100 ENEMY FROM MOUNTAIN 1000 02 JUNE MOVING EAST TOWARDS MOUNTAIN AS THEY CROSS RIVER AT NO. 1000 02 JUNE 100 ENEMY 1000 02 JUNE 100 ENEMY 1000 02 JUNE

SRP REPORT 11 JUNE 100 ENEMY AT MOUNTAIN Bt MALAU

NATIVE REPORT 21 JUNE ENEMY ESTIMATED 1000 21 JUNE

100 ENEMY AT Bt MALAU

ADV/032/0645

CONTROL: British Trigometrical Survey 1937.

AIR PHOTOGRAPHY: 2 Photo Charting Sqn, 311 Photo Wing, U.S.A.F. Missions SMC7 Feb 45, SMC20 Feb 45 and SMC21 Feb 45.

COMPILATION: 2/1 Aust Army Topo Svy Coy, Aust Svy Corps, from Air Photos; Terrain Study 89 by A.G.S. S.W.P.A.; 1:36,000 Entrance to Sungai Brunel by U.S. Hydrographic Office 1945 and 1:253,440 Map of MIRI prepared by Aust Svy Corps 1944.

DRAWING & REPRODUCTION: 2/1 Aust Army Topo Svy Coy, Aust Svy Corps, Apr 45.

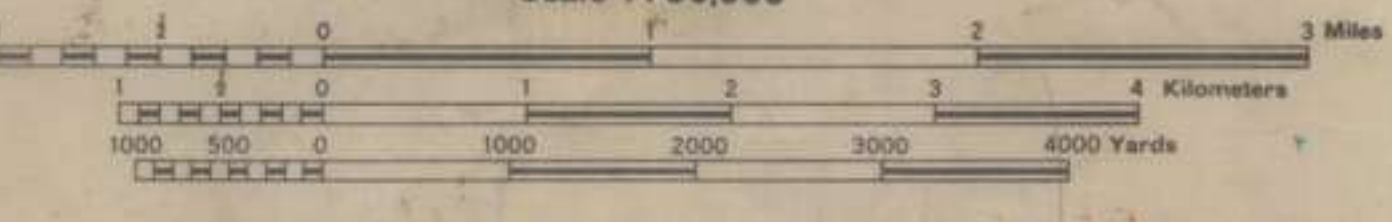
**ABBREVIATIONS**

Kg	KAMPONG	(VILLAGE)
Bt	BUKIT	(HILL)
P	PULAU	(ISLAND)
Tg	TANJONG	(CAPE)
S	SUNGAI	(RIVER)
Lg	LOGAN	(OLD RIVER BED)

APPROXIMATE MEAN DECLINATION 1944 FOR CENTER OF SHEET

ANNUAL MAGNETIC CHANGE 3 INCREASE

See diagram only to obtain numerical values. To determine magnetic north line connect the point 'P' on the north edge of the map with the point 'M' on the south edge of the map with the line of the angle between 89°30' NORTH and MAGNETIC NORTH, as indicated on the diagram on the north edge of the map.



CONTOUR INTERVAL 20 METRES EXCEPT FIRST 10 METRES SHOWN IN BROKEN LINE

LAMBERT CONICAL ORTHOMORPHIC PROJECTION

HEIGHTS AND DEPTHS IN METRES

WARNING: FORMLINES ONLY ON SOUTHERN PORTION.

TO GIVE A GRID REFERENCE ON THIS SHEET ALWAYS QUOTE THE SHEET NAME. PAY ATTENTION TO LARGER MARGINAL FIGURES ONLY.

POINT Kg. GEDONG BATU	
East	North
Take West edge of square in which point lies and read the figure. Pointed opposite this line on North or South margin.	Take South edge of square in which point lies and read the figure. Pointed opposite this line on East or West margin.
Estimate tenths Eastwards	Estimate tenths Northwards
East 458	North 279

REFERENCE LIMBANG RIVER 458279

Unit	Meters
Square	1000 METERS
Nearest similar to ORIGINARY REFERENCE DISTANCE	100 KILOMETERS

LIMBANG RIVER BORNEO

NOTE: OFFICERS USING THIS MAP ARE REQUESTED TO MAKE ANY NECESSARY ADDITIONS AND AMENDMENTS ON THE MAP ITSELF AND FORWARD SAME TO SURVEY DIRECTORATE, H.Q. OF FORCE CONCERNED.

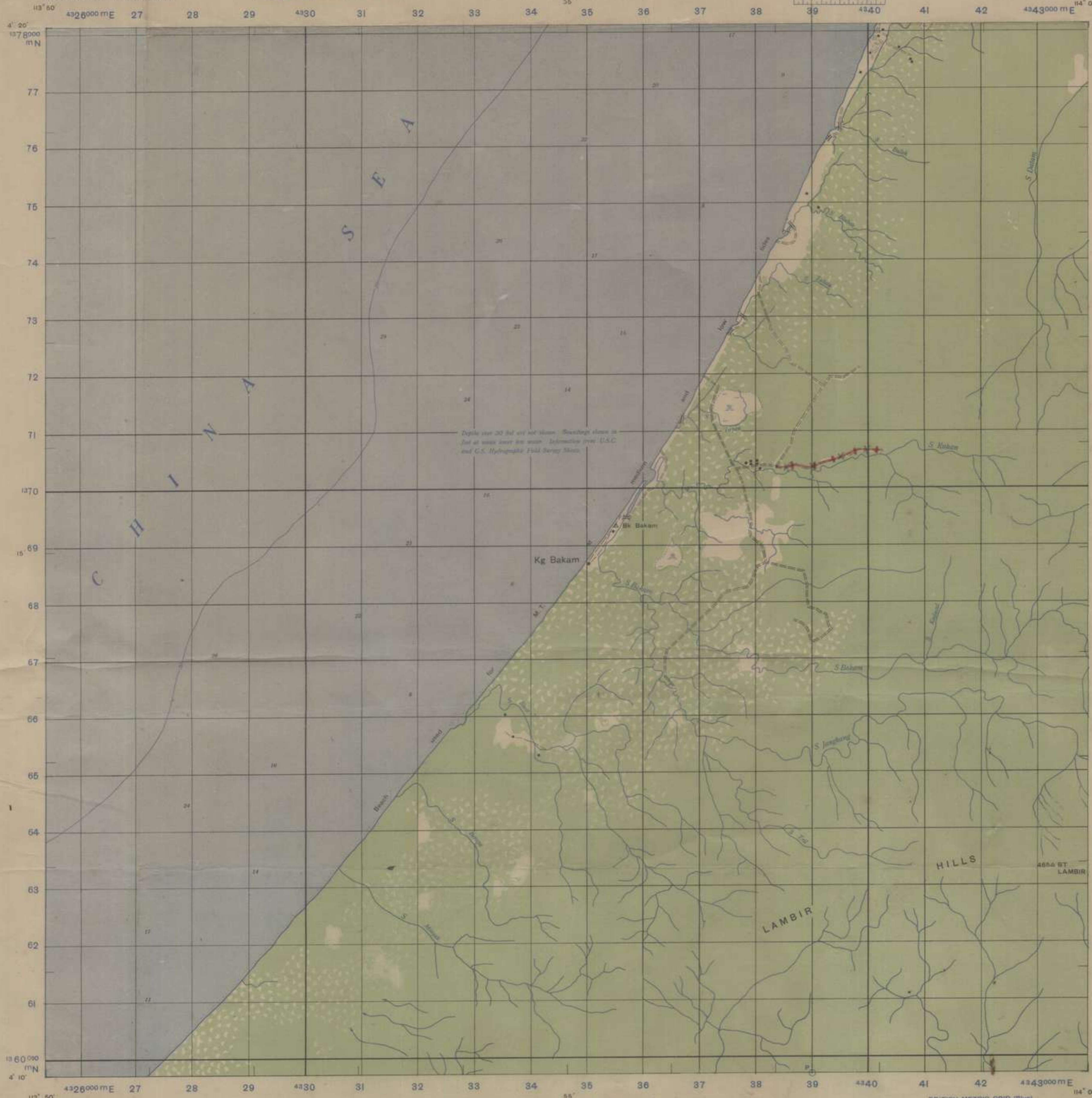


BORNEO 1:50,000

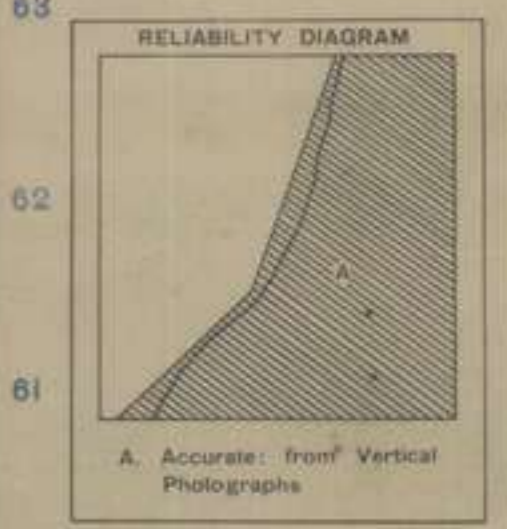
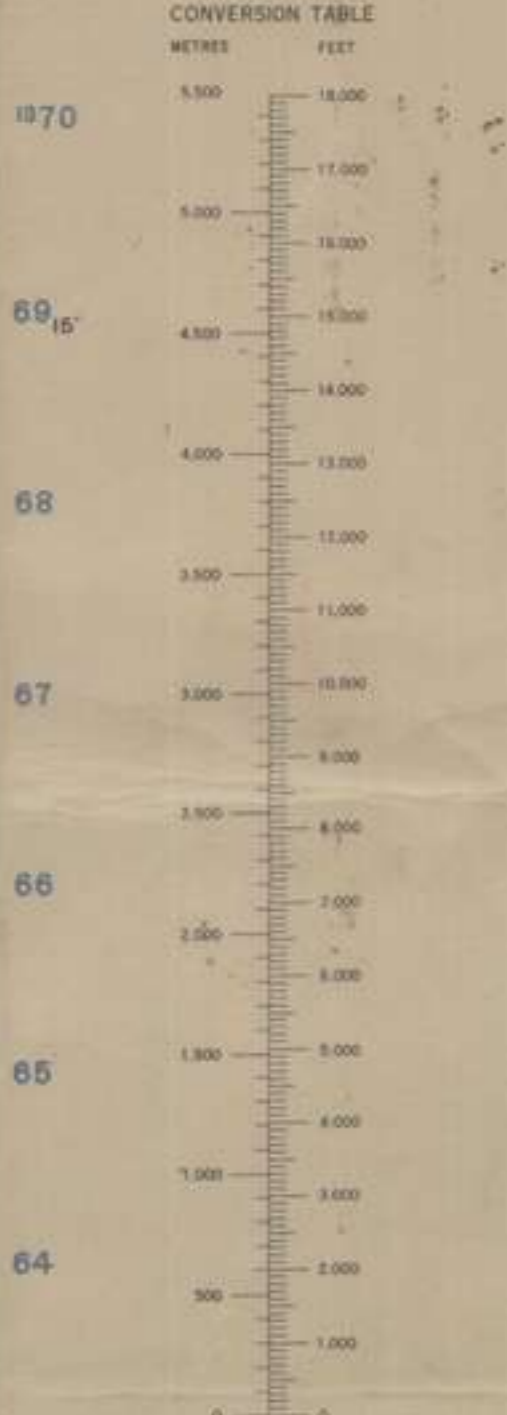
# KG. BAKAM

FIRST EDITION SWPA I

SHEET 2743-I



- ### LEGEND
- Highway hard surfaced
  - Roads hard surfaced
  - Roads lightly surfaced
  - Roads earth minor M.T.
  - Track jeep
  - Trail
  - Telephone or telegraph lines
  - Bridge
  - Footbridge
  - Railway narrow gauge
  - Buildings or huts
  - Tanks, oil
  - Wells, oil
  - Church
  - Lighthouse
  - Gardens
  - Shallow or drying reef
  - Streams
  - Streams intermittent
  - Swamp
  - 30 foot depth line
  - Rice fields
  - Mud flats
  - Drain
  - Mangroves
  - Forest
  - Secondary growth
  - Scattered trees
  - Plantations
  - Cliffs
  - Sand



L.H.O./032/3156  
SWPA T731

**CONTROL:** 1st Order Triangulation by Surveyor General FMS & SS and Shell Oil Coy Surveys.

**AIR PHOTOGRAPHY:** Missions SMC20-L1 and Shell Oil Coy photographs.

**COMPILATION:** LHQ Cartographic Coy, Aust Svy Corps from Air Photographs, British Admiralty Chart No. 2108, Shell Oil Coy Map, Strat. Eng. Study No. 118 and Terrain Study No. 88.

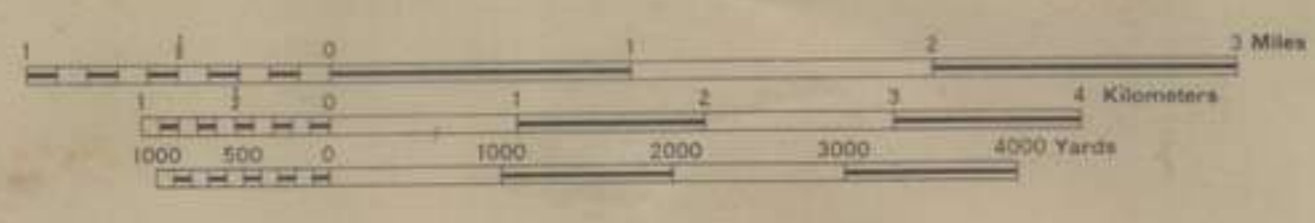
**DRAWING & REPRODUCTION:** LHQ Cartographic Coy, Aust Svy Corps, Apr 45.

FIRST EDITION

- ### Glossary
- Tandjoeng Tg. cape
  - Baai, Bor B. bay
  - Straat, Str. strait
  - Boekil, B. hill
  - Brangka, Br. marsh
  - Danau, D. lake
  - Gezaghebber, Gh. admstr office
  - Goending, G. mountain
  - Ladang, L. cultivated land
  - Muara, Kobala, river mouth
  - Muengkoer, Mr. hill top
  - Palang, plain, field
  - Pemulang, ridge, dam
  - Sempak, S. river
  - Kampung, Kg. village

APPROXIMATE MEAN DECLINATION 1944 FOR CENTER OF SHEET  
ANNUAL MAGNETIC CHANGE INCREASE  
The diagram only is shown numerical values. To determine magnetic north line connect the point "P" at the north edge of the map with the rate of the angle between 1939 NORTH and MAGNETIC NORTH, as plotted on the right edge of the north edge of the map.

**CAUTION:** This map was produced from aerial photographs. Due to lack of accurate ground control, distances scaled on this map may be at variance with actual ground distances.



CONTOUR INTERVAL 20 METRES DATUM SEA LEVEL

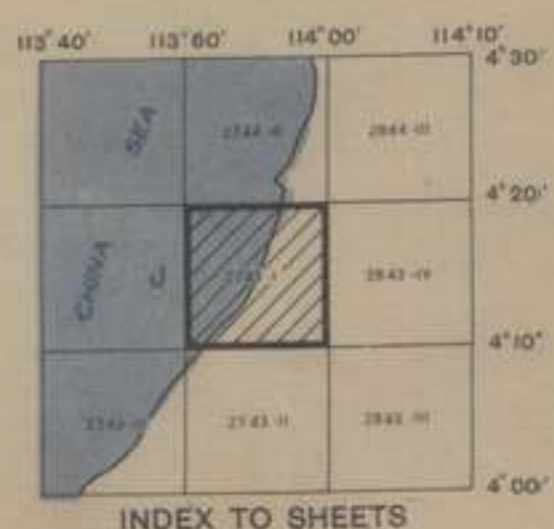
**NOTE:** OFFICERS USING THIS MAP ARE REQUESTED TO MAKE ANY NECESSARY ADDITIONS AND AMENDMENTS ON THE MAP ITSELF AND FORWARD SAME TO SURVEY DIRECTORATE, H.Q. OF FORCE CONCERNED.

HEIGHTS IN METRES, DEPTHS IN FEET.

BRITISH METRIC GRID (Blue)  
N.E.L. EQUATORIAL ZONE  
Projection: Lambert Conical Orthomorphic  
Origin: Equator and 110° E  
False Co-ordinates 3,900,000 metres East of Origin  
800,000 metres North

To give the co-ordinates of a point use only the larger figures on the grid lines and add tenths.  
The grid numbers at the corners are the full co-ordinates referred to the origin of the grid zone.

**EXAMPLE:**  
ALWAYS state SHEET NAME in giving a reference on this grid.

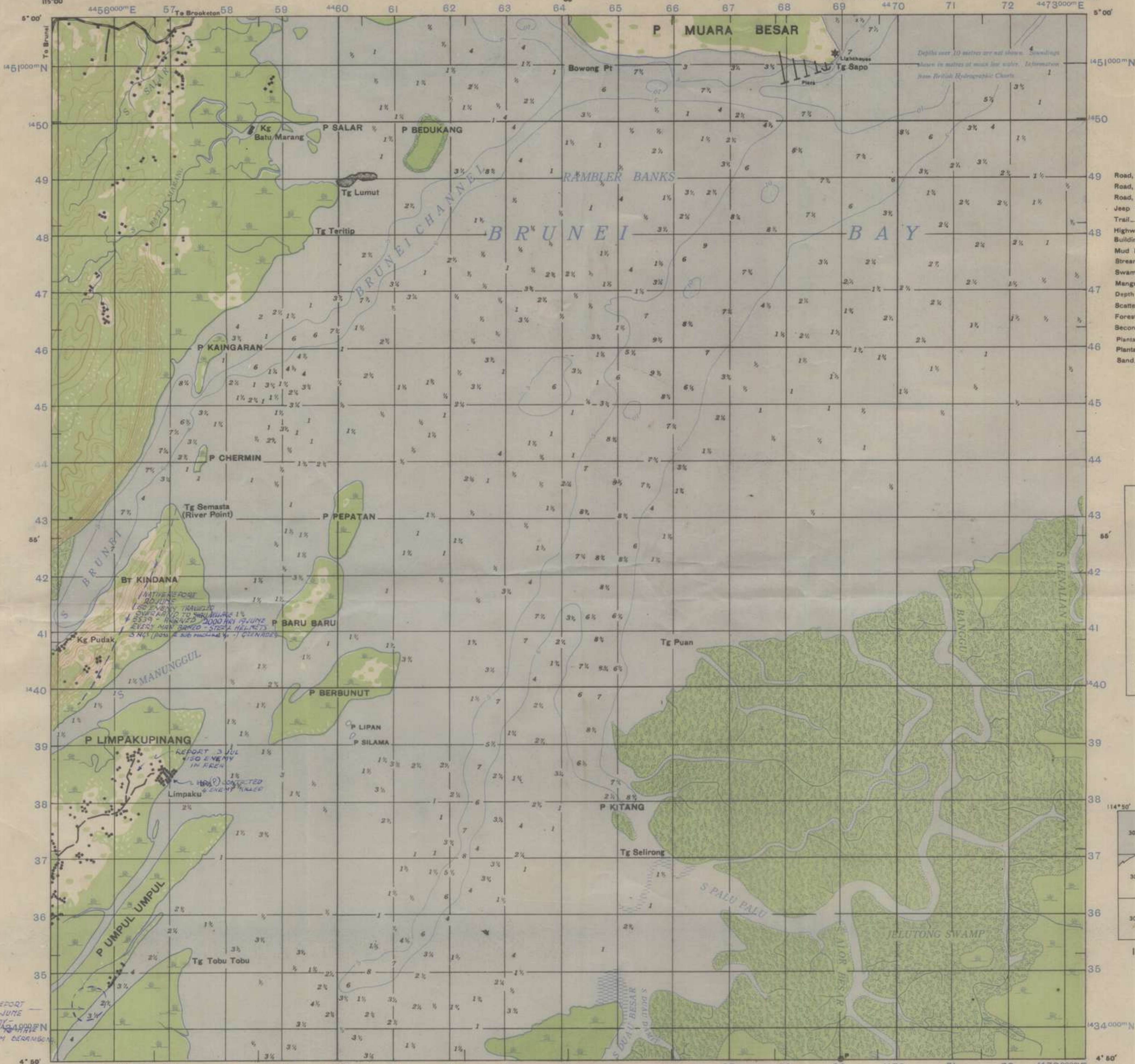


**KG BAKAM BORNEO**  
N 410 - E11350/10 (Greenwich)

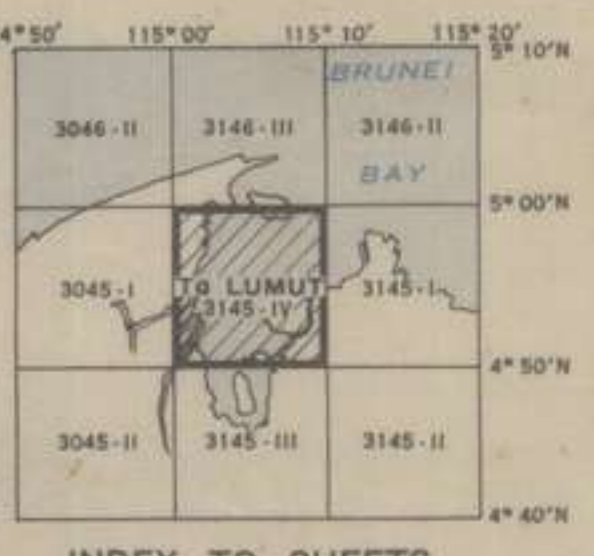
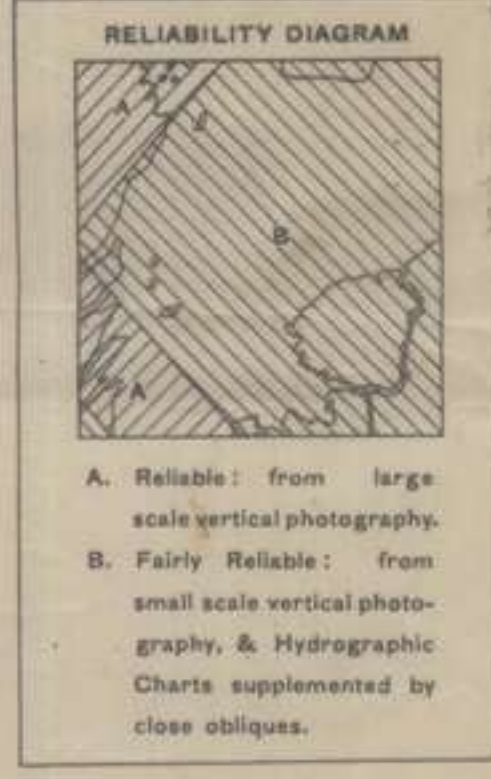


IN FM TO 6 JUL

BORNEO 1:50,000 **Tg LUMUT** SHEET 3145-IV



- LEGEND**
- Road, hard surfaced
  - Road, lightly surfaced
  - Road, earth
  - Jeep Track
  - Trail
  - Highway Bridge
  - Buildings or Huts
  - Mud Flats
  - Streams
  - Swamp
  - Mangroves
  - Depth Line
  - Scattered Trees
  - Forest
  - Secondary Growth
  - Plantation (Coconut)
  - Plantation (Rubber)
  - Band

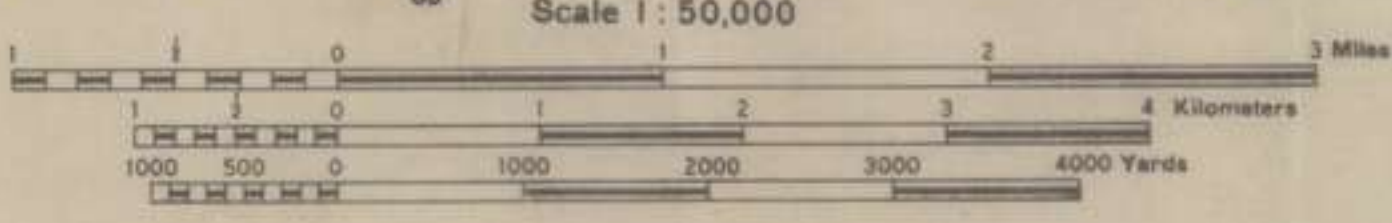


NATIVE REPORT  
 0830 19 JUNE  
 100 ENEMY  
 BELIEVED TO HAVE  
 COME FROM BERANGGON

ADV/032/0643  
 CONTROL: British Trigonometrical Survey 1937.  
 AIR PHOTOGRAPHY: 2 Photo Charting Sqn, 311 Photo Wing, U.S.A.A.F. Missions 5MC28 Feb 45, 5MC7 Feb 45, and 5MC10 Feb 45.  
 COMPILATION: 2/1 Aust Army Topo Svy Coy, Aust Svy Corps, from Air Photos: Terrain Study 89 by A.G.S. S.W.P.A.; 1:30,000 Entrance to Sungai Brunei by U.S. Hydrographic Office 1945; British Hydrographic Charts Nos 2123 & 1844 and 1:250,440 Map of LABUAN prepared by Aust Svy Corps 1944.  
 DRAWING & REPRODUCTION: 2/1 Aust Army Topo Svy Coy, Aust Svy Corps, Apr 45.

**ABBREVIATIONS**  
 Kg KAMPONG (VILLAGE)  
 P PULAU (ISLAND)  
 Tg TANJONG (CAPE)  
 S SUNGAI (RIVER)  
 Bt BUKIT (HILL)

APPROXIMATE MEAN DECLINATION 1944 FOR CENTER OF SHEET ANNUAL MAGNETIC CHANGE 3" INCREASE  
 The diagram only to obtain approximate values. To determine magnetic north line connect the point marked "M" on the north edge of the map with the value of the angle between GRID NORTH and MAGNETIC NORTH, as printed on the diagram scale at the north edge of the map.



CONTOUR INTERVAL 20 METRES EXCEPT FIRST 10 METRES SHOWN IN BROKEN LINE  
 LAMBERT CONICAL ORTHOMORPHIC PROJECTION  
 HEIGHTS AND DEPTHS IN METRES

TO GIVE A GRID REFERENCE ON THIS SHEET ALWAYS QUOTE THE SHEET NAME. PAY ATTENTION TO LARGER MARGINAL FIGURES ONLY.

POINT: P LIPAN	
East	North
Take West Edge of Square in which point lies and read the figure printed opposite this line on North or South margin.	Take South Edge of Square in which point lies and read the figure printed opposite this line on East or West margin.
Estimate tenth Eastwards	Estimate tenth Northwards
East 502	North 384
REFERENCE: Tg LUMUT 802384	
Unit	Metre
Square	1000 Metres
Nearest Similar to indicate reference point	100 Kilometres

Tg LUMUT  
 BORNEO



INFM TO 6 JUL

BORNEO 1:50,000



K. BELAIT

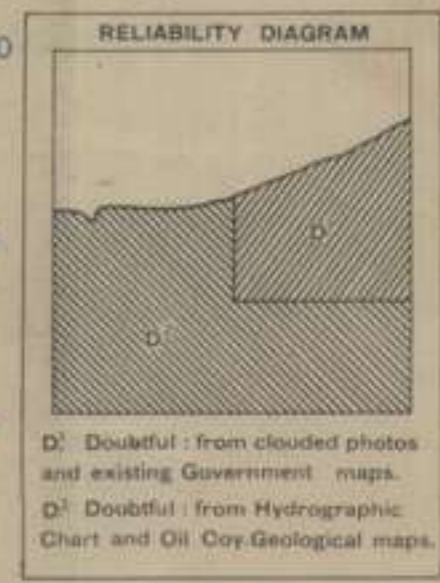
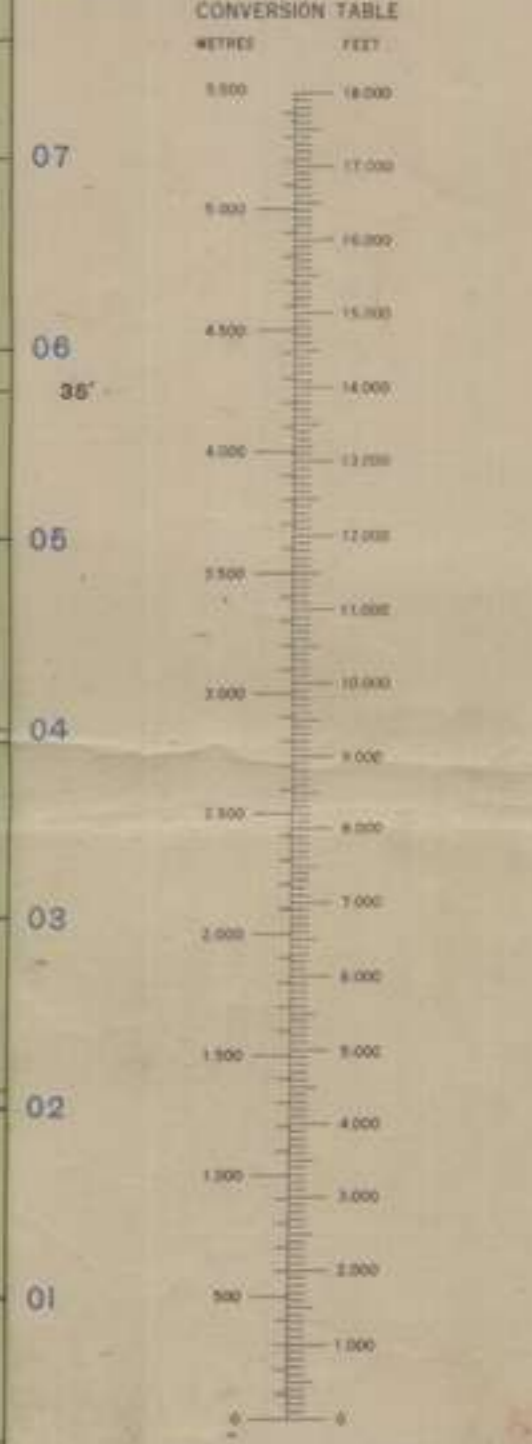
FIRST EDITION SWPA I

SHEET 2844-I

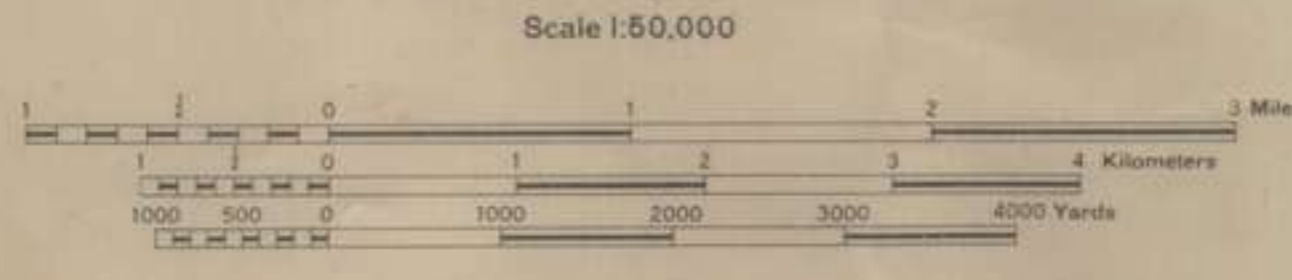


**LEGEND**

- Highway hard surfaced
- Roads hard surfaced
- Roads lightly surfaced
- Track jeep
- Trail
- Telephone or telegraph lines
- Bridge
- Footbridge
- Railway narrow gauge
- Buildings or huts
- Tanks, oil
- Wells, oil
- Church
- Lighthouse
- Gardens
- Shallow or drying reef
- Streams
- Streams intermittent
- Swamp
- 30 foot depth line
- Rice fields
- Mud flats
- Drain
- Mangroves
- Forest
- Secondary growth
- Scattered trees
- Plantations
- Cliffs



CONTROL: 1st and 2nd Order Triangulation and 1:63,360 map by Surveyor General FMS & SS and US Hydrographic Chart. AIR PHOTOGRAPHY: Missions 5MG20-1. COMPILATION: LHQ Cartographic Coy, Aust Svy Corps from 1:63,360 maps by FMS & SS, US Hydrographic Charts, clouded Air Photographs, Strat Eng Study No. 116 and Terrain Study No. 89. DRAWING & REPRODUCTION: LHQ Cartographic Coy, Aust Svy Corps, Apr 45.



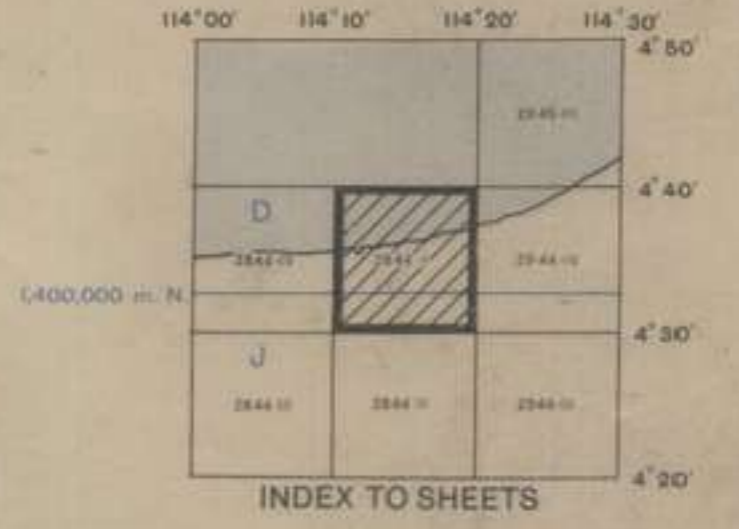
BRITISH METRIC GRID (Blue)  
N.E.I. EQUATORIAL ZONE  
Projection: Lambert Conical Orthomorphic  
Origin: Equator and 110° E  
False Co-ordinates: 3,900,000 metres East of Origin, 800,000 metres North

**Glossary**

- Tandoeng: Tg. cape
- Baai: Bay
- Straat: Strait
- Boekil: B. hill
- Brangka: Br. marsh
- Danau: D. lake
- Gezaghebber: Gh. admiral office
- Geseng: G. mountain
- Lulang: L. cultivated land
- Moeara: M. river mouth
- Moengkoer: Mr. hill top
- Padang: P. plain, field
- Pemalang: P. ridge, dam
- Soengai: S. river
- Kampung: Kg. village

**CAUTION:** This map was produced from aerial photographs. Due to lack of accurate ground control, distances scaled on this map may be at variance with actual ground distances.

NOTE: OFFICERS USING THIS MAP ARE REQUESTED TO MAKE ANY NECESSARY ADDITIONS AND AMENDMENTS ON THE MAP ITSELF AND FORWARD SAME TO SURVEY DIRECTORATE, H.Q. OF FORCE CONCERNED.



K. BELAIT BORNEO  
N 430 - E 11410/10 (Greenwich)



INFM TO 6 JUL.

BORNEO 1:50,000

# BANG TANGUR

FIRST EDITION SWPA I

SHEET 2944-I



LEGEND

Highway hard surfaced	—
Roads hard surfaced	—
Roads lightly surfaced	—
Roads earth minor M.T.	—
Track jeep	—
Trail	—
Telephone or telegraph lines	—
Bridges	—
Footbridge	—
Railway narrow gauge	—
Buildings or huts	—
Tanks, oil	—
Wells, oil	—
Church	—
Lighthouse	—
Gardens	—
Shallow or drying reef	—
Streams	—
Streams intermittent	—
Swamp	—
30 foot depth line	—
Rice fields	—
Mud flats	—
Drain	—
Mangroves	—
Forest	—
Secondary growth	—
Scattered trees	—
Plantations	—
Cliffs	—
Sand	—

### CONVERSION TABLE



### RELIABILITY DIAGRAM



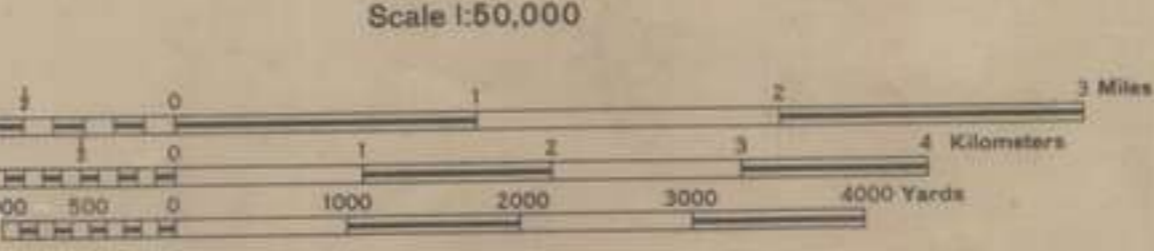
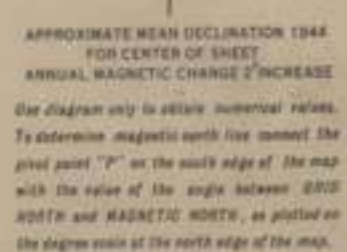
LHQ/032/3149  
SWPA T731

CONTROL: 1st and 2nd Order Triangulation and 1:63,360 maps by Surveyor General FMS & SS and Shell Oil Coy Surveys.  
 AIR PHOTOGRAPHY: Missions 6M021-J1 and Shell Oil Coy Photographs.  
 COMPILATION: LHQ Cartographic Coy, Aust Svy Corps from Air Photographs, 1:63,360 map by FMS & SS and Shell Oil Coy Maps.  
 DRAWING & REPRODUCTION: LHQ Cartographic Coy, Aust Svy Corps, Apr 45.

### Glossary

- Tandjoeng: Tg. — cape
- Baai: Bn. — bay
- Straat: Str. — strait
- Boekit: Bk. — hill
- Brangka: Br. — marsh
- Danau: D. — lake
- Gezaghebber: Gh. — admstr office
- Goenoeng: G. — mountain
- Ladang: L. — cultivated land
- Moera, Koeala: — river mouth
- Moengkoer: Mr. — hill top
- Padang: — plain, field
- Pematang: — ridge, dam
- Soengai: S. — river

**CAUTION:** This map was produced from aerial photographs. Due to lack of accurate ground control, distances scaled on this map may be at variance with actual ground distances.



CONTOUR INTERVAL 20 METRES DATUM SEA LEVEL

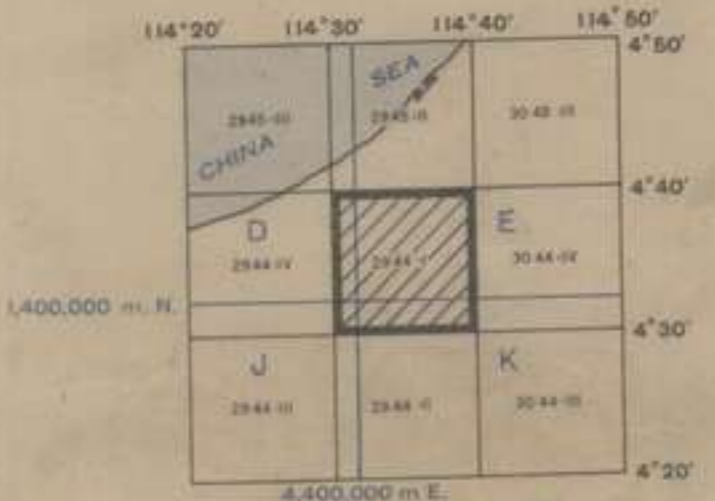
NOTE: OFFICERS USING THIS MAP ARE REQUESTED TO MAKE ANY NECESSARY ADDITIONS AND AMENDMENTS ON THE MAP ITSELF AND FORWARD SAME TO SURVEY DIRECTORATE, H.Q. OF FORCE CONCERNED.

HEIGHTS IN METRES

### BRITISH METRIC GRID (Blue)

N.E.I. EQUATORIAL ZONE  
 Projection: Lambert Conical Orthomorphic  
 Origin: Equator and 114° E  
 False Co-ordinates 3,900,000 metres East of Origin  
 900,000 metres North

To give the co-ordinates of a point use only the larger figures on the grid lines and add tenths.  
 The grid numbers at the corners are the full co-ordinates referred to the origin of the grid zone.  
 EXAMPLE: BT, BANG TANGUR (Aust) 120086; (US) 120-096  
 ALWAYS state SHEET NAME in giving a reference on this grid.



INDEX TO SHEETS  
SHEETS 10 MINUTE SQUARES

**BANG TANGUR**  
**BORNEO**  
 N 430-E11430/10 (Greenwich)



INFM TO 6 JUL

BORNEO 1:50,000

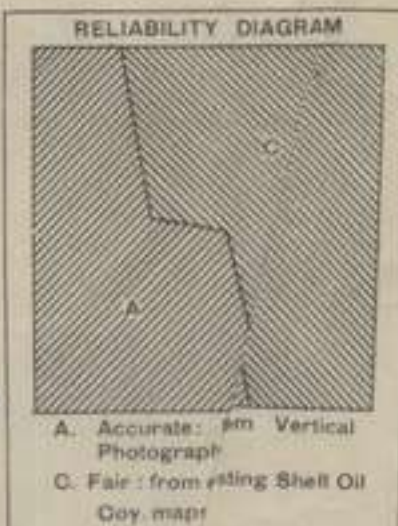
PUJUT

FIRST EDITION SWPA I SHEET 2844-III



- 1396000 mN END
- Highway hard surfaced
- Roads hard surfaced
- Roads lightly surfaced
- earth minor M.T.
- Track jeep
- Trail
- Telephone or telegraph lines
- Bridge
- Footbridge
- Railway narrow gauge
- Buildings or huts
- Tanks, oil
- Wells
- Church
- Lighthouse
- Gardens
- Shallow or drying reef
- Streams
- Streams intermittent
- Swamp
- 30 foot depth line
- Rice fields
- Mud flats
- Drain
- Mangroves
- Forest
- Secondary growth
- Scattered trees
- Plantations

CONVERSION TABLE



CONTROL: 1st Order Triangulation by Surveyor General FMS & SS and Shell Oil Coy. Surveys.

AIR PHOTOGRAPHY: Missions SMC20-L, 311Z7 and Shell Oil Coy. photographs.

COMPILATION: LHQ Cartographic Coy, Aust Svy Corps from Air Photographs, Shell Oil Coy Map, Strat Eng Study No. 115 and Terrain Study No. 88.

DRAWING & REPRODUCTION: LHQ Cartographic Coy, Aust Svy Corps, Apr 45.

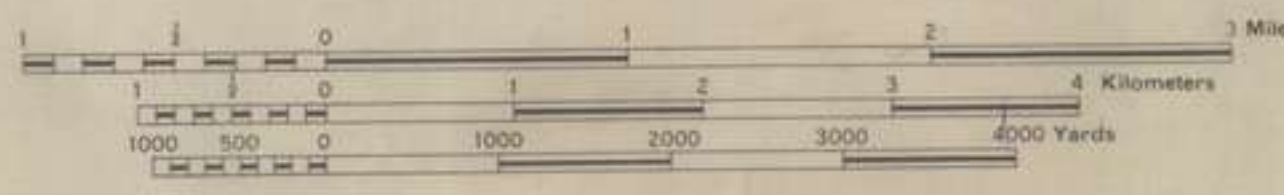
FIRST EDITION

- Glossary
- Tanjung: Tg. cape
  - Baai: Bor Bi bay
  - Strait: Str. strait
  - Boekit: Bi hill
  - Brangka: Br marsh
  - Danau: D lake
  - Gezaghebber: Gh. admstr office
  - Goenoeng: G. mountain
  - Ladang: L. cultivated land
  - Moera, Koeda: river mouth
  - Moengkoer: Mr. hill top
  - Padang: plain, field
  - Pematang: ridge, dam
  - Boengai: S river
  - Kampung: Kg. village

APPROXIMATE MEAN DECLINATION 1944 FOR CENTER OF SHEET

ANNUAL MAGNETIC CHANGE: INCREASE

The diagram only to obtain approximate values. To determine magnetic north line against the true north 'N' on the north edge of the map with the value of the angle between TRUE NORTH and MAGNETIC NORTH, as printed on the degree scale of the north edge of the map.



CONTOUR INTERVAL 20 METRES DATUM SEA LEVEL

NOTE: OFFICERS USING THIS MAP ARE REQUESTED TO MAKE ANY NECESSARY ADDITIONS AND AMENDMENTS ON THE MAP ITSELF AND FORWARD SAME TO SURVEY DIRECTORATE H.Q. OF FORCE CONCERNED.

HEIGHTS IN METRES, DEPTHS IN FEET.

CAUTION: This map was produced from aerial photographs. Due to lack of accurate ground control, distances scaled on this map may be at variance with actual ground distances.

BRITISH METRIC GRID (Blue)

N.E.I. EQUATORIAL ZONE

Projection: Lambert Conical Orthomorphic

Origin: Equator and 110°E

False Co-ordinates 3,900,000 metres East of Origin

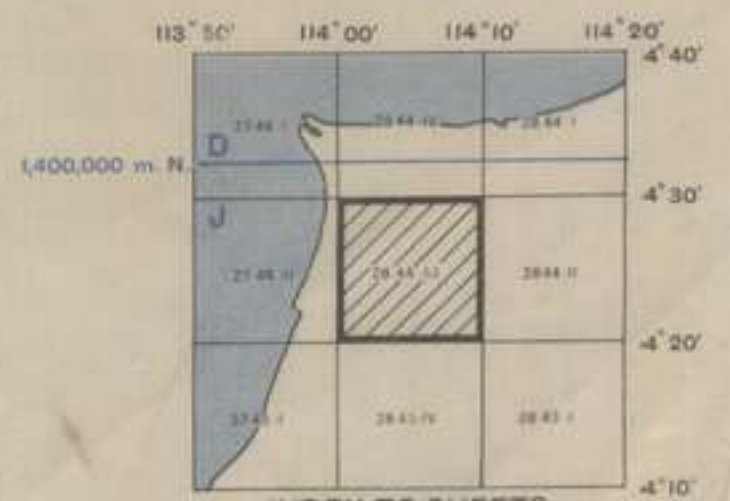
900,000 metres North

To give the co-ordinates of a point use only the larger figures on the grid lines and add tenths.

The grid numbers at the corners are the full co-ordinates referred to the origin of the grid zone.

EXAMPLE: POINT X (Aust) 518895; (US) 518-898

ALWAYS state SHEET NAME in giving a reference on this grid.



PUJUT BORNEO

N 420 - E 114 00/10 (Greenwich)



RR

POJUT.

~~RR~~ 32

24 10507  
11507



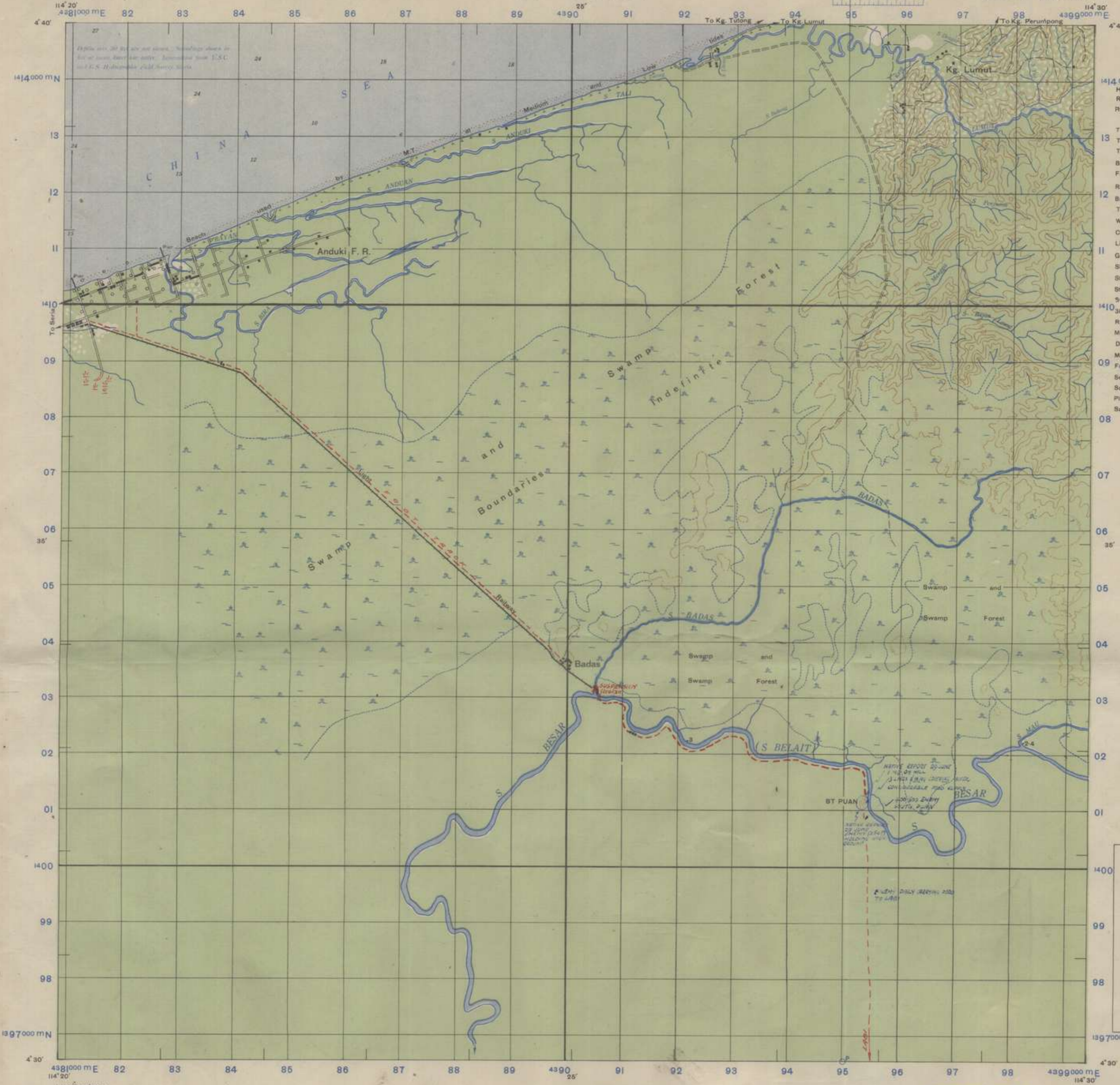
IN FM TO 6 JUL

BORNEO 1:50,000

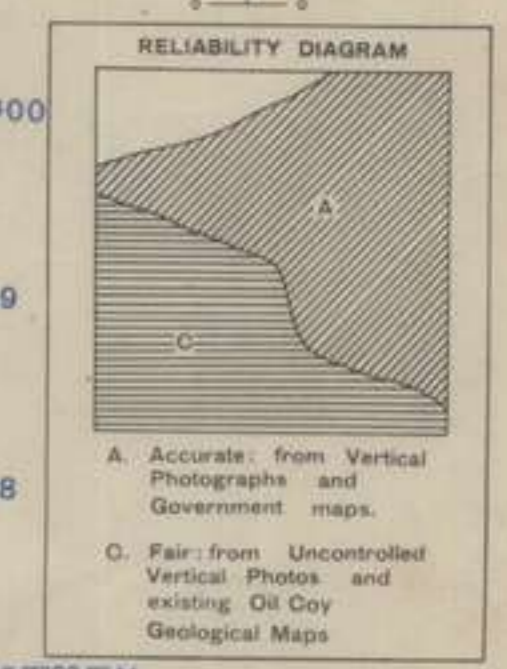
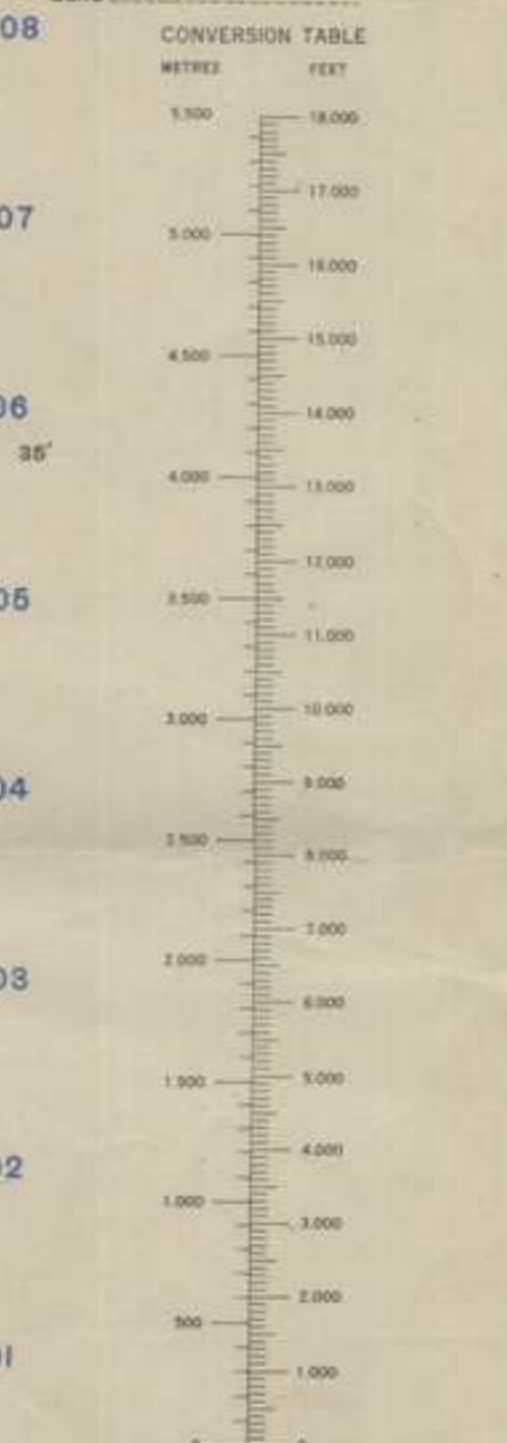
BT PUAN

FIRST EDITION SWPA 1

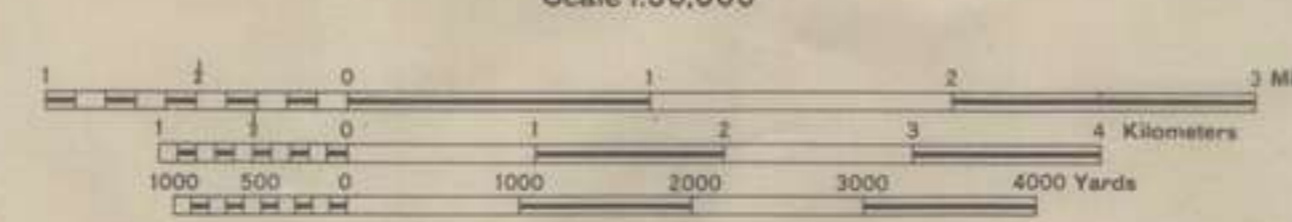
SHEET 2944-IV



- LEGEND**
- Highway hard surfaced
  - Roads hard surfaced
  - Roads lightly surfaced
  - earth minor M.T.
  - Track jeep
  - Trail
  - Telephone or telegraph lines
  - Bridge
  - Footbridge
  - Railway narrow gauge
  - Buildings or huts
  - Tanks, oil
  - Wells, oil
  - Church
  - Lighthouse
  - Gardens
  - Shallow or drying reef
  - Streams
  - Streams intermittent
  - Swamp
  - 3D foot depth line
  - Rice fields
  - Mud flats
  - Drain
  - Mangroves
  - Forest
  - Secondary growth
  - Scattered trees
  - Plantations
  - Sand



CONTROL: 1st and 2nd Order Triangulation and 1:63,360 maps by Surveyor General FMS & SS and US Hydrographic Charts.  
 AIR PHOTOGRAPHY: Missions SMO21-J1, 311Z.  
 COMPILED: LHQ Cartographic Coy, Aust Svy Corps from Air Photographs, 1:63,360 maps by FMS & SS US Hydrographic Charts, Slat Eng Study No. 115 and Terrain Study No. 89.  
 DRAWING & REPRODUCTION: LHQ Cartographic Coy, Aust Svy Corps, Apr 45.



BRITISH METRIC GRID (Blue)  
 N.E.1. EQUATORIAL ZONE  
 Projection: Lambert Conical Orthomorphic  
 Origin: Equator and 110°E  
 False Co-ordinates 3,900,000 metres East of Origin  
 of Origin: 900,000 metres North

To give the co-ordinates of a point use only the larger figures on the grid lines and add tenths.  
 The grid numbers at the corners are the full co-ordinates referred to the origin of the grid zone.  
 EXAMPLE: BADAS (Aust 900037) (US) 900-037  
 ALWAYS state SHEET NAME in giving a reference on this grid.

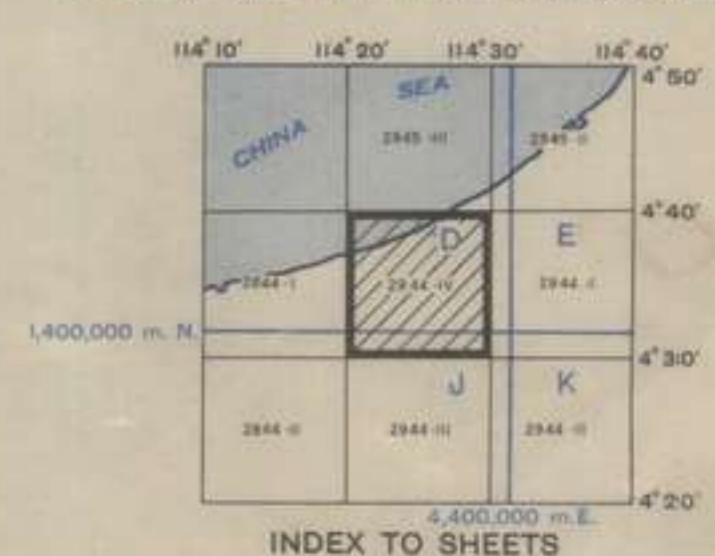
- Glossary**
- Tandjoeng: Tg. cape
  - Baai: Bor B. bay
  - Straat: Str. strait
  - Boekit: Bt. hill
  - Brangka: Br. marsh
  - Danau: D. lake
  - Gezaghebber: Gh. admstr office
  - Goenoeng: G. mountain
  - Ladang: L. cultivated land
  - Mosara, Kosala: river mouth
  - Moengkoer: Mr. hill top
  - Padiang: plain, field
  - Pematang: ridge, dam
  - Soengai: S. river
  - Kampong: Kg. village

**CAUTION:** This map was produced from aerial photographs. Due to lack of accurate ground control, distances scaled on this map may be at variance with actual ground distances.

CONTOUR INTERVAL 20 METRES DATUM SEA LEVEL

NOTE: OFFICERS USING THIS MAP ARE REQUESTED TO MAKE ANY NECESSARY ADDITIONS AND AMENDMENTS ON THE MAP ITSELF AND FORWARD SAME TO SURVEY DIRECTORATE, H.Q. OF FORCE CONCERNED.

HEIGHTS IN METRES DEPTHS IN FEET



BT. PUAN BORNEO  
 N 430-E11420/10 (Greenwich)



INFM TO 6 JUL

BORNEO 1:50,000

BT. DEDAP

SHEET 3045-III



**LEGEND**

- Highway hard surfaced
- Roads hard surfaced
- Roads lightly surfaced
- earth minor M.T.
- Track jeep
- Trail
- Telephone or telegraph lines
- Bridge
- Footbridge
- Railway narrow gauge
- Buildings or huts
- Tanks, oil
- Wells, oil
- Church
- Lighthouse
- Gardens
- Shallow or drying reef
- Streams
- Streams intermittent
- Swamp
- 30 foot depth line
- Rice fields
- Mud flats
- Drain
- Mangroves
- Forest
- Secondary growth
- Scattered trees
- Plantations
- Cliffs
- Sand



**RELIABILITY DIAGRAM**

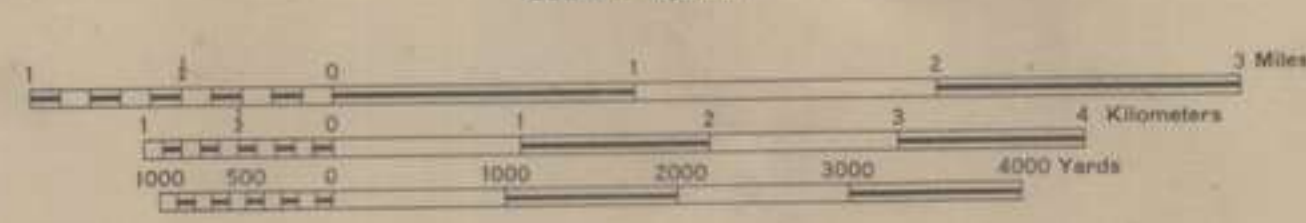
A. Accurate: from vertical photography and Government maps.  
 C. Fair: from existing Oil Coy. Geological maps.

CONTROL: 1st and 2nd Order Triangulation and 1:63,360 map by Surveyor General FMS & SS Shell Oil Coy Surveys.  
 AIR PHOTOGRAPHY: Missions 6M021-II.  
 COMPILATION: LHQ Cartographic Coy, Aust Svy Corps from Air Photographs, 1:63,360 maps by FMS & SS, Shell Oil Coy Maps and Surveys, Stral Eng Study No. 115 and Terrain Study No. 89.  
 DRAWING & REPRODUCTION: LHQ Cartographic Coy, Aust Svy Corps, Apr 45.  
 FIRST EDITION

- Glossary**
- Tanjong: Tg. .... cape
  - Bai: Bai. .... bay
  - Strait: Str. .... strait
  - Bukit: Bt. .... hill
  - Brangka: Br. .... marsh
  - Danau: D. .... lake
  - Gezaghebber: Gh. .... admt. office
  - Goendang: G. .... mountain
  - Ladang: L. .... cultivated land
  - Moera, Kona: M. .... river mouth
  - Moengkoer: Mr. .... hill top
  - Padang: P. .... plain, field
  - Pematang: Pm. .... ridge, dam
  - Soengai: S. .... river
  - Kampung: Kg. .... village

APPROXIMATE MEAN DECLINATION 1944 FOR CENTER OF SHEET  
 ANNUAL MAGNETIC CHANGE 1" INCREASE  
 Use diagram only to obtain numerical value.  
 To determine magnetic north line connect the point "7" on the north edge of the map with the value of the angle between 280 NORTH and MAGNETIC NORTH, as plotted on the diagram each of the north edge of the map.

**CAUTION:** This map was produced from aerial photographs. Due to lack of accurate ground control, distances scaled on this map may be at variance with actual ground distances.



CONTOUR INTERVAL 20 METRES DATUM SEA LEVEL

NOTE: OFFICERS USING THIS MAP ARE REQUESTED TO MAKE ANY NECESSARY ADDITIONS AND AMENDMENTS ON THE MAP ITSELF AND FORWARD SAME TO SURVEY DIRECTORATE, H. O. OF FORCE CONCERNED.

HEIGHTS IN METRES

BRITISH METRIC GRID (Blue)  
 N.E.I. EQUATORIAL ZONE  
 Projection: Lambert Conical Orthomorphic  
 Origin: Equator and 110° E  
 False Co-ordinates 3,900,000 metres East of Origin  
 900,000 metres North

To give the co-ordinates of a point use only the larger figures on the grid lines and add tenths.

The grid numbers at the corners are the full co-ordinates referred to the origin of the grid zone.

EXAMPLE: Kg. WASAN (Aust) 325274; (US) 325-274

ALWAYS state SHEET NAME in giving a reference on this grid.



BT. DEDAP BORNEO  
 N 440 - E 11440/10 (Greenwich)



INFM TO 6 JUL.

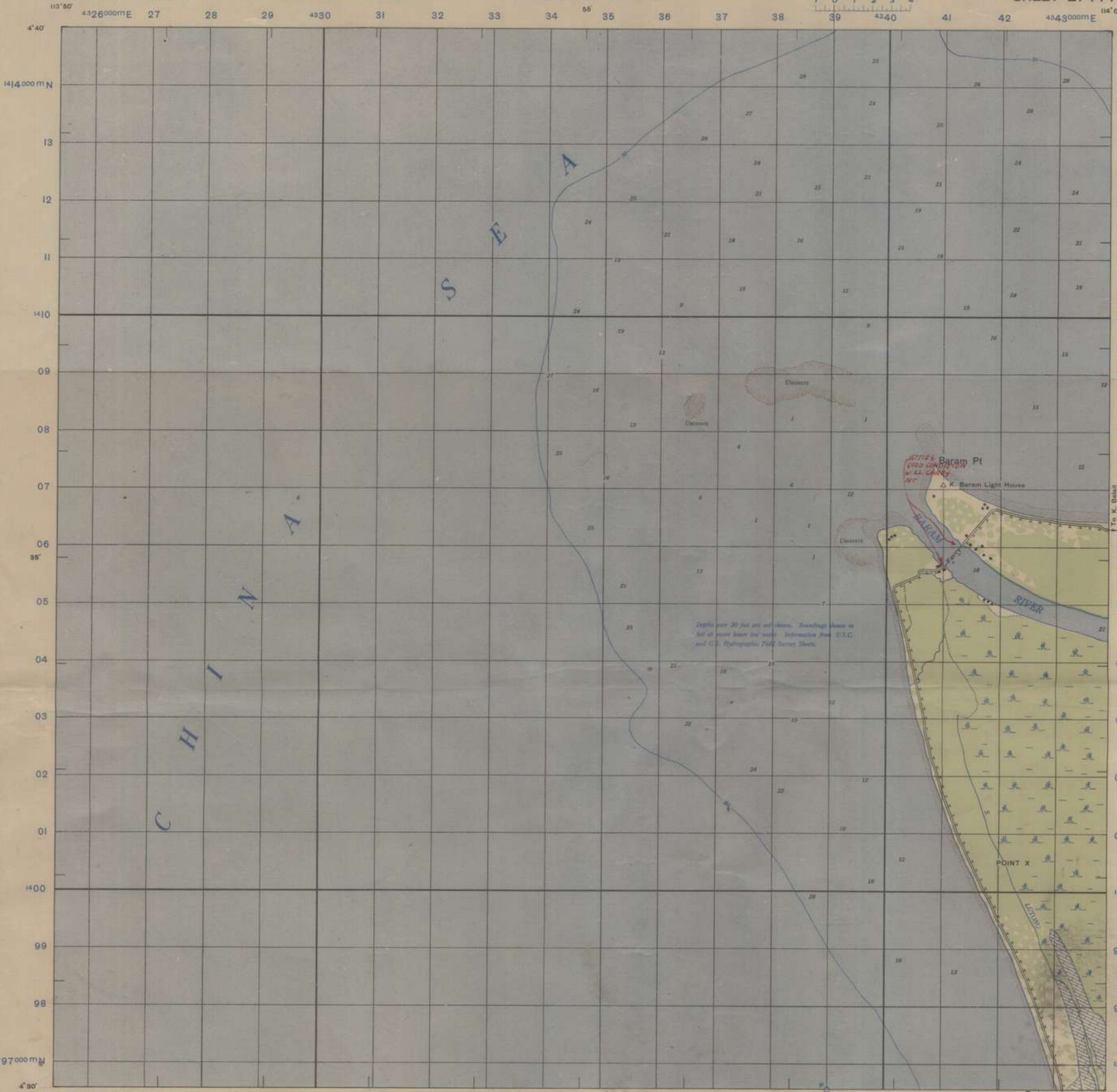
BORNEO 1:50,000



# S. LUTONG

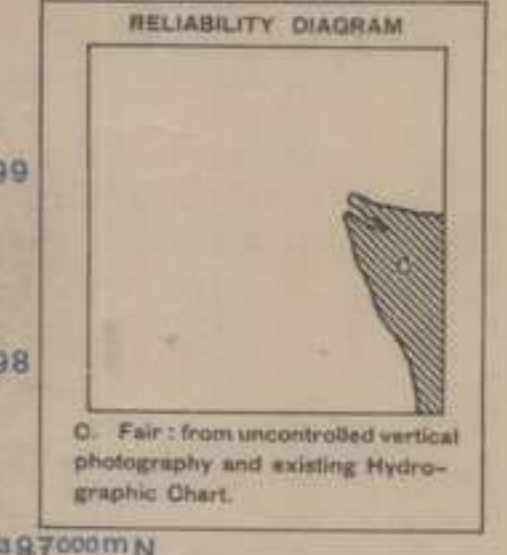
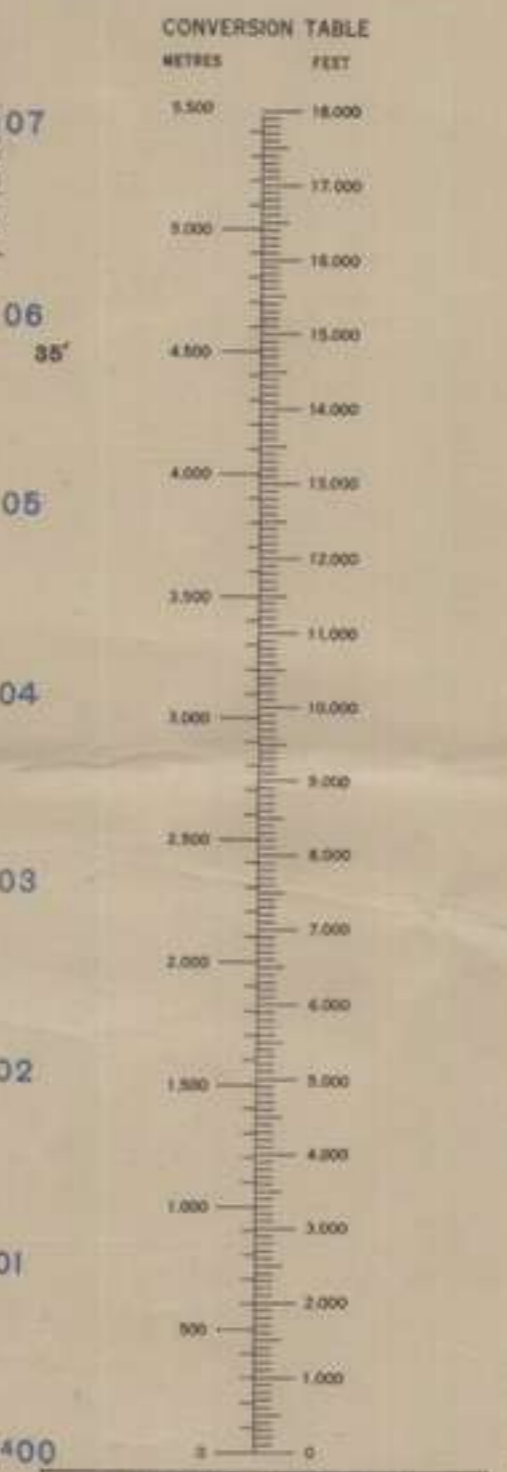
FIRST EDITION SWPA 1

SHEET 2744-I



**LEGEND**

- Highway hard surfaced
- Roads hard surfaced
- Roads lightly surfaced
- earth minor M.T.
- Track jeep
- Trail
- Telephone or telegraph lines
- Bridge
- Footbridge
- Railway narrow gauge
- Buildings or huts
- Tanks, oil
- Wells, oil
- Church
- Lighthouse
- Gardens
- Shallow or drying reef
- Streams
- Streams intermittent
- Swamp
- 30 foot depth line
- Rice fields
- Mud flats
- Drain
- Mangroves
- Forest
- Secondary growth
- Scattered trees
- Plantations
- Cliffs
- Sand

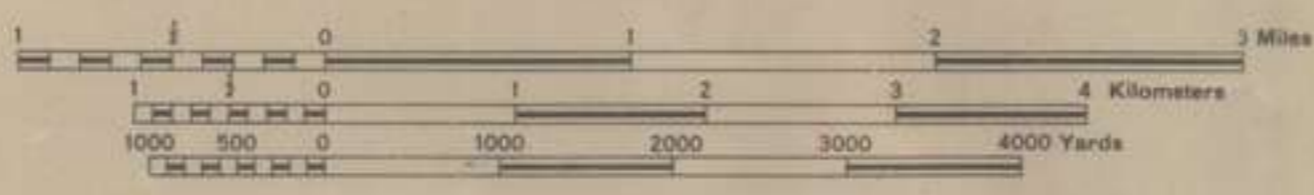


CONTROL: US Hydrographic Chart HO 11809-518 and Shell Oil Oily Survey.  
 AIR PHOTOGRAPHY: Mission 5MO20-LL  
 COMPILATION: LHQ Cartographic Coy, Aust Svy Corps from US Hydrographic Chart HO 11809-518 Shell Oil Oily Map, clouded Air Photographs, Strat Eng Study No. 116 and Terrain Study No. 89.  
 DRAWING & REPRODUCTION: LHQ Cartographic Coy, Aust Svy Corps, Apr 45.  
 FIRST EDITION

**Glossary**

- Tandjoeng: Tj.....cape
- Baai: Bor Bi.....bay
- Straal: Str.....strait
- Bongki: Br.....hill
- Brangka: Br.....marsh
- Danau: D.....lake
- Gezaghebber: Gh.....admr office
- Goenoeng: G.....mountain
- Ladang: L.....cultivated land
- Moeras, Koesale.....river mouth
- Moengkoer: Mr.....hill top
- Padang.....plain, field
- Pematang.....ridge, dam
- Soengai: S.....river
- Kampung: Kg.....village

APPROXIMATE MEAN DECLINATION 1944 FOR CENTER OF SHEET  
 ANNUAL MAGNETIC CHANGE 2' INCREASE  
 Use diagram only to obtain numerical values.  
 To determine magnetic north line connect the point '10' on the north edge of the map with the value of the angle between GRID NORTH and MAGNETIC NORTH, as plotted on the degree scale at the north edge of the map.

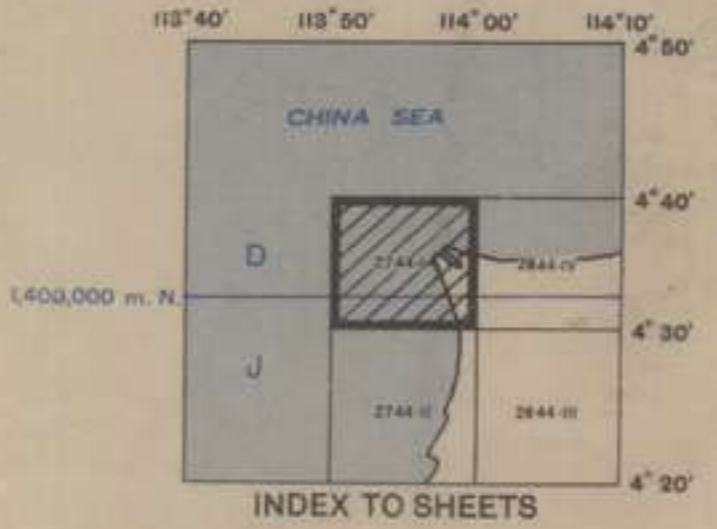


NOTE: OFFICERS USING THIS MAP ARE REQUESTED TO MAKE ANY NECESSARY ADDITIONS AND AMENDMENTS ON THE MAP ITSELF AND FORWARD SAME TO SURVEY DIRECTORATE, H.Q. OF FORCE CONCERNED.

HEIGHTS IN METRES & DEPTHS IN FEET

CAUTION: This map was produced from aerial photographs. Due to lack of accurate ground control, distances scaled on this map may be at variance with actual ground distances.

BRITISH METRIC GRID (Blue)  
 N.E.I. EQUATORIAL ZONE  
 Projection: Lambert Conical Orthomorphic  
 Origin: Equator and 110°E  
 False Co-ordinates 3,900,000 metres East of Origin  
 900,000 metres North  
 To give the co-ordinates of a point use only the larger figures on the grid lines and add tenths.  
 The grid numbers at the corners are the full co-ordinates referred to the origin of the grid zone.  
 EXAMPLE: POINT X (Aust) 425005; (US) 425,005  
 ALWAYS state SHEET NAME in giving a reference on this grid.



S. LUTONG BORNEO  
 N 430 - E 11350 / 10 (Greenwich)



INFM TO 6 JUL

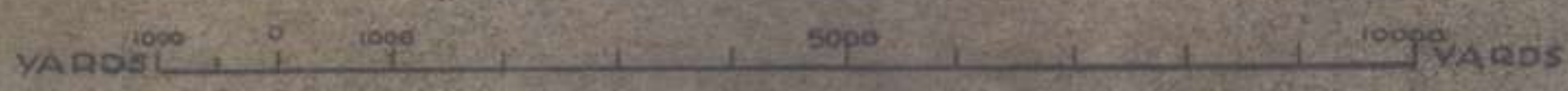
# BADAS - LABI - MENDARAM AREA

RF 1:63360



All int marked RED added  
after 29 JUNE

Scale 1inch to 1mile



**Legend**

- TRACKS -----
- CREEKS ~~~~~
- FORM LINES (TO BE TESTED WITH AIRBORNE)
- CULTIVATION [wavy line symbol]

Derived from RECONNAISSANCE  
MAP BOUREI & ADJACENT  
TERRITORIES 1937 (up to 1940)

7/17 April 44 Br 4th Sec  
19 JUNE 44