

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 3 of 4

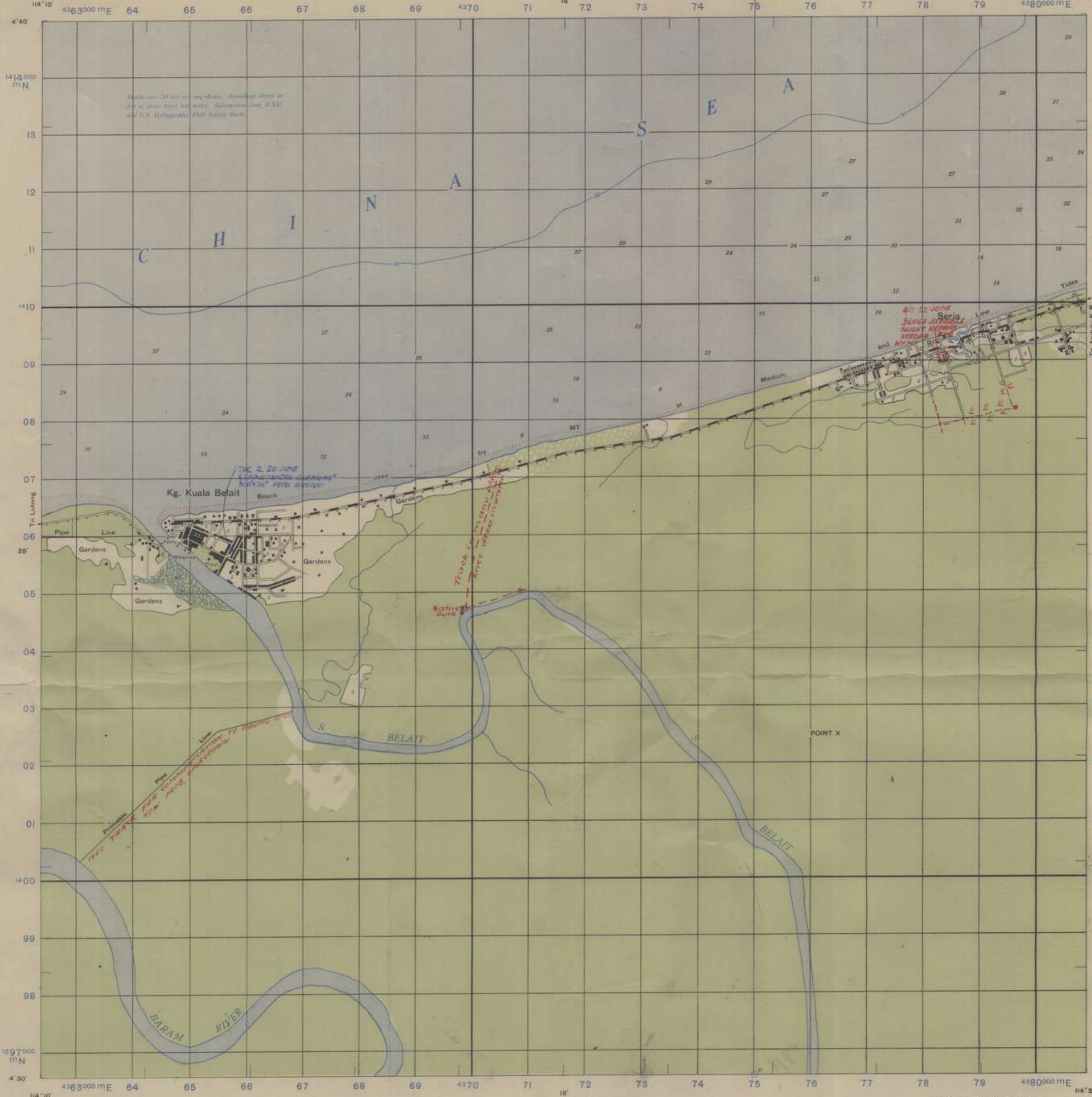
INFM TO 6 JUL

BORNEO 1:50,000

K. BELAIT

FIRST EDITION SWPA 1

SHEET 2844-I

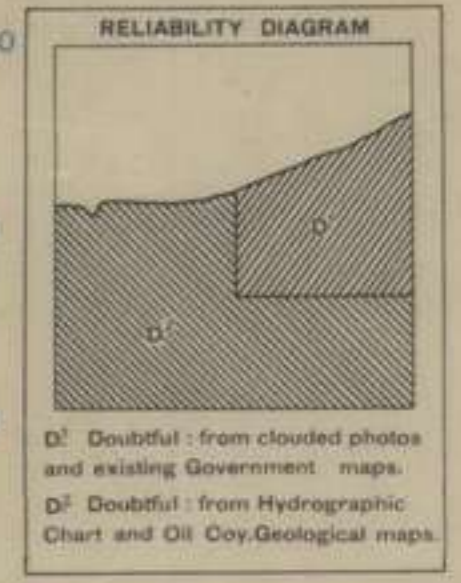


LEGEND

- 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
- Sand

CONVERSION TABLE

METRES	FEET
5 500	18 000
5 000	16 500
4 500	15 000
4 000	13 200
3 500	11 500
3 000	9 800
2 500	8 200
2 000	6 600
1 500	5 000
1 000	3 300
500	1 650
0	0



L.H.Q./032/3151
SWPA 1731

CONTROL: 1st and 2nd Order Triangulation and 1:63,360 map by Surveyor General FMS & SS and US Hydrographic Chart.

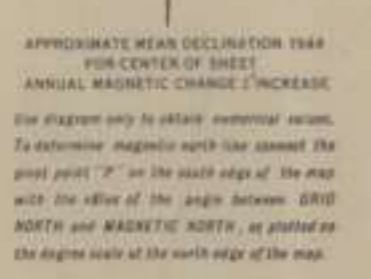
AIR PHOTOGRAPHY: Missions 5MC20-1.

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. 115 and Terrain Study No. 89.

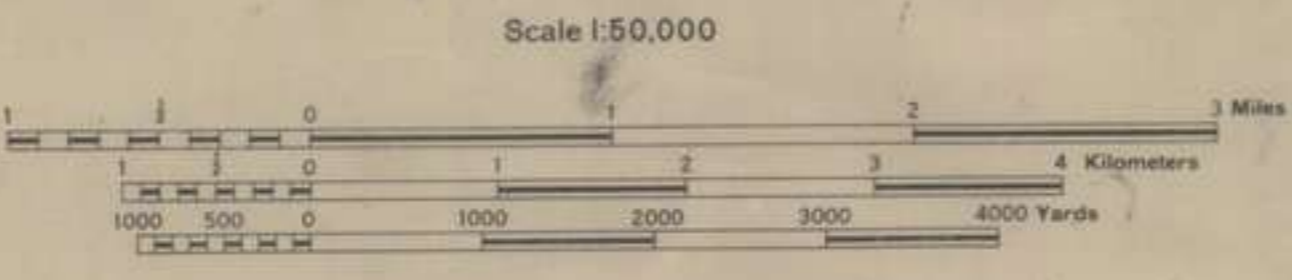
DRAWING & REPRODUCTION: LHQ Cartographic Coy, Aust Svy Corps, Apr 45.

Glossary

- Tandjong: Tj. caple
- Baa: Bay
- Straat: Strait
- Boek: Hill
- Brangka: Marsh
- Danau: Lake
- Gezaghebber: Gz. adminstr office
- Goenoeng: G. mountain
- Lalang: L. cultivated land
- Moeras, Koets: M. river mouth
- Moengkoer: Mr. hill top
- Paidang: P. plain, field
- Pematang: P. ridge, dam
- Soengsa: 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.



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.

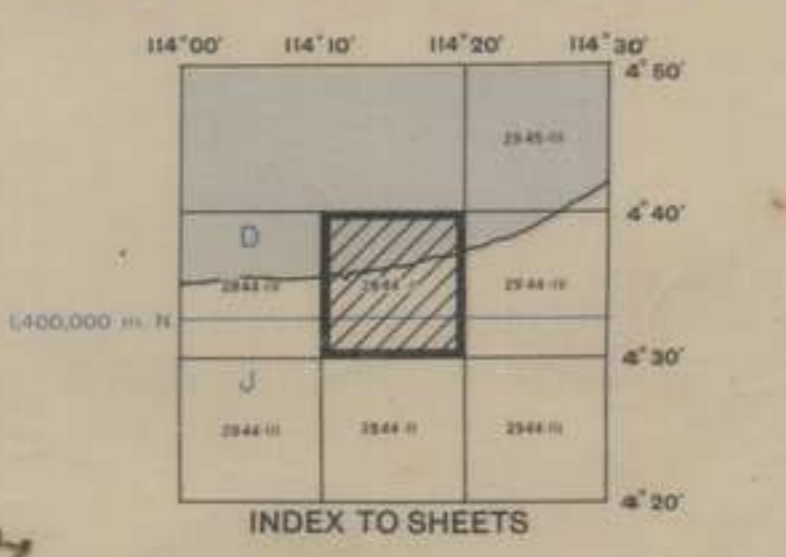
DEPTHS IN FEET

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) 765025; (US) 765-025
 ALWAYS state SHEET NAME in giving a reference on this grid.



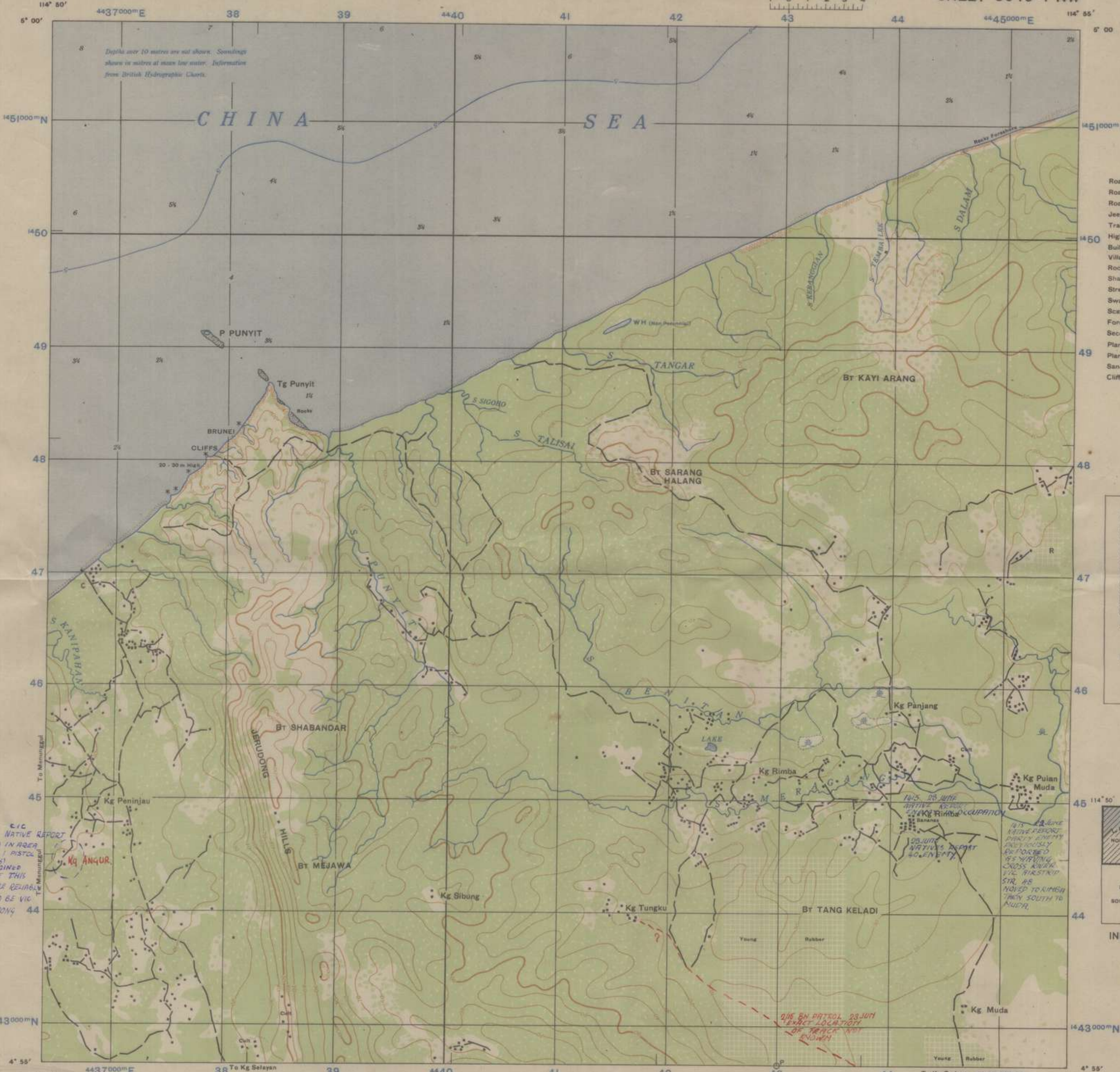
K. BELAIT BORNEO
 N 430 - E 11410/10 (Greenwich)

INFM TO 6 JUL

BORNEO 1:25,000

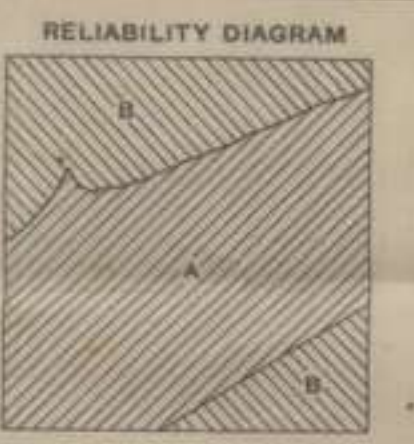
BRUNEI NORTH WEST

SHEET 3045-I NW



LEGEND

- Road, hard surfaced.....
- Road, lightly surfaced.....
- Road, earth.....
- Jeep Track.....
- Trail.....
- Highway Bridge.....
- Buildings or Huts.....
- Village (Reported).....
- Rock.....
- Shallow or Drying Reef.....
- Streams.....
- Swamp.....
- Scattered Trees.....
- Forest.....
- Secondary Growth.....
- Plantation (Common).....
- Plantation (Rubber).....
- Sand.....
- Cliffs.....



A. Reliable: from accurately controlled large scale vertical photography.
 B. Fairly Reliable: from small scale vertical photography, oblique photography and Hydrographic Chart.



INDEX TO SHEETS

CIC REPORT
 22 JUNE NATIVE REPORT
 ENEMY (2) IN AREA
 18 RIFLES 1 PISTOL
 EXTRA 5 DINNER
 1705 JUNE THIS
 PARTY NOT RELIABLE
 REPORTED TO BE VIC
 REPORTED TO BE VIC
 44
 544 3130

145 55 JUNE
 BRITISH REPORT
 100 YARDS REPORT
 40 ENEMY
 THIS AREA
 NATIVE REPORT
 ENEMY (2) IN AREA
 18 RIFLES 1 PISTOL
 EXTRA 5 DINNER
 1705 JUNE THIS
 PARTY NOT RELIABLE
 REPORTED TO BE VIC
 REPORTED TO BE VIC
 44
 544 3130

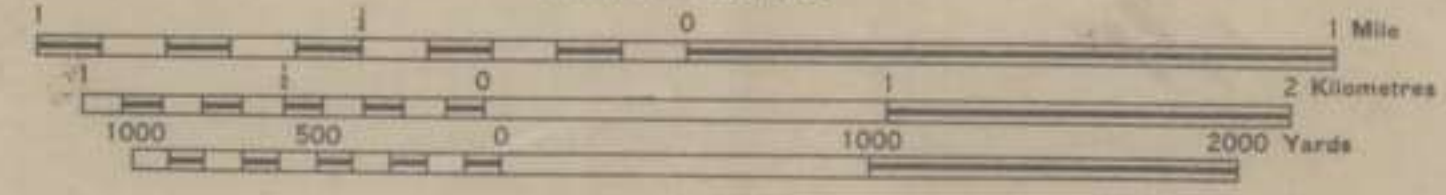
ONE BN PISTOL 23 JUN
 EXACT LOCATION
 OF TRACK NOT
 KNOWN

ADV/1080/0806
 CONTROL: British Trigonometrical Survey 1937.
 AIR PHOTOGRAPHY: 2 Photo Charting Sqn, 311 Photo Wing,
 17 PR Sqn, 6 Photo Group U.S.A.A.F. Missions 5MB108 Apr 45,
 5M108 Apr 45, 5MC7 Feb 45, 5M108 Apr 45 and 5MC21 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. 1844 and 2123 and 1:250,440
 Map of MIRI prepared by Aust Svy Corps 1944.
 DRAWING & REPRODUCTION: 2/1 Aust Army Topo Svy Coy,
 Aust Svy Corps, May 45.

ABBREVIATIONS

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

APPROXIMATE MEAN DECLINATION 1944
 FOR CENTER OF SHEET
 ANNUAL MAGNETIC CHANGE 7 INCREASE
 The diagram only in other numerical values.
 To determine magnetic north line connect the
 point point "M" 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 of the north edge of the map.



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.

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	Kg MUDA	
EAST	447	432
NORTH	447	432
REFERENCE BRUNEI NORTH WEST	447432	
Unit	METRE	
Square	1000 METRES	
NEAREST SIMILAR CO-ORDINATE REFERENCE DISTANCE	100 KILOMETRES	

BRUNEI NORTH WEST

BORNEO

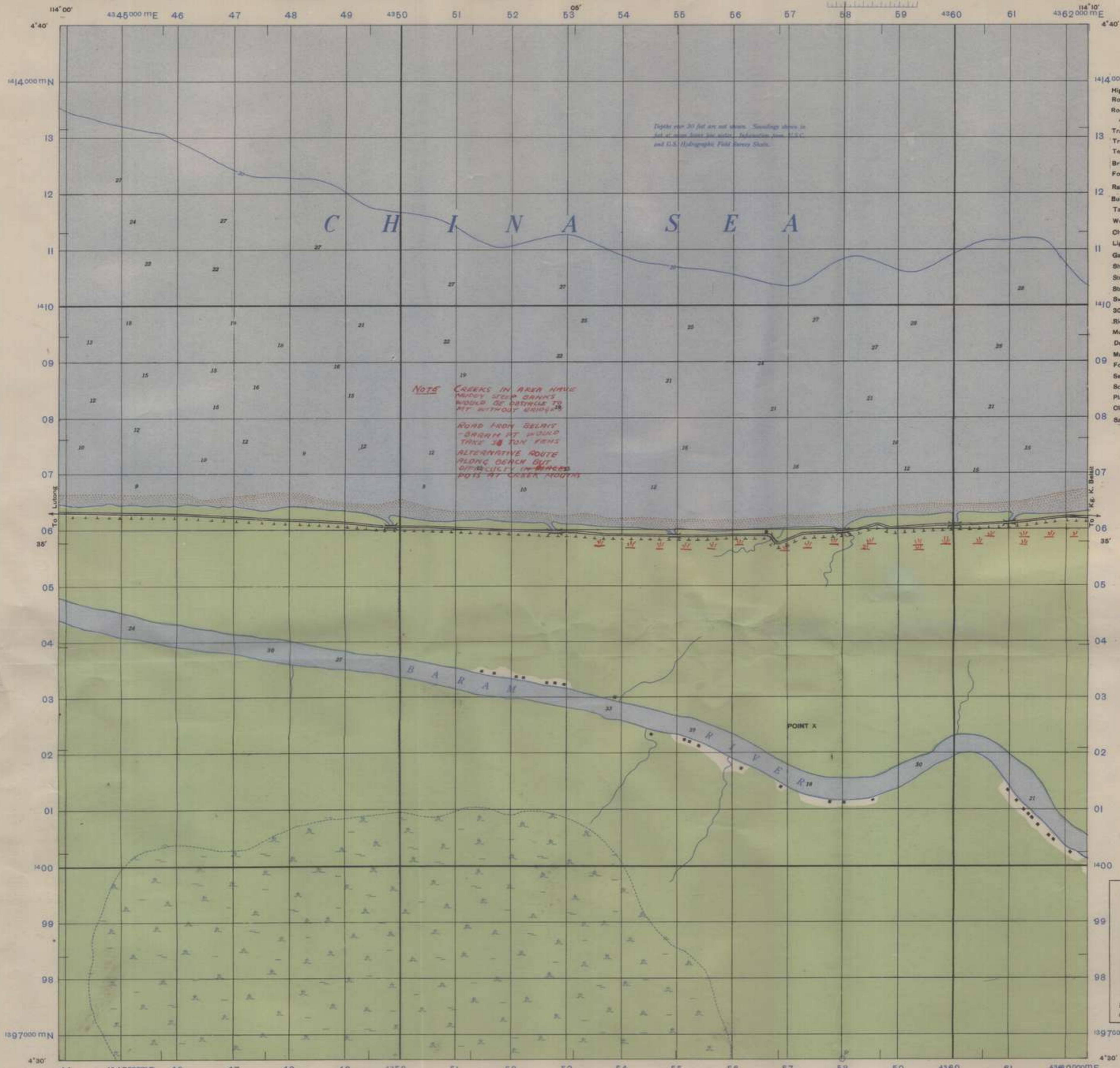
INFM TO 6 JUL

BORNEO 1:50,000

BARAM RIVER

FIRST EDITION SWPA I

SHEET 2844-IV



LEGEND

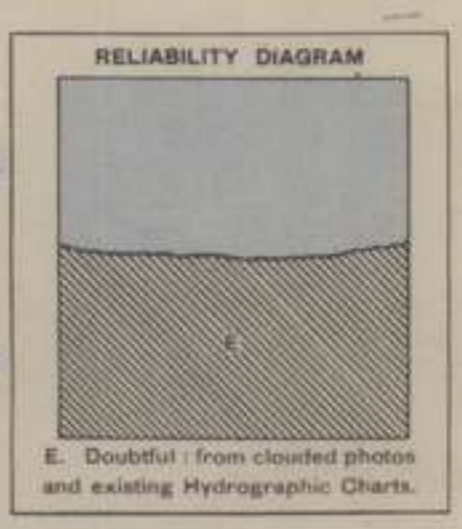
- Highway hard surfaced
- Roads hard surfaced
- Roads lightly surfaced
- earth minor M.T.
- Track jeep
- Trail
- Telephone or telegraph lines
- Bridge
- Footbridge
- Railway narrow gauge
- Buildings or huts
- Tanks, oil
- Wells, oil
- Church
- Lighthouse
- Gardens
- Shallow or drying reef
- Streams
-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

CONVERSION TABLE



NOTE CREEKS IN AREA HAVE
MUDDY STEEP BANKS
WOULD BE DIFFICULT TO
FIT WITHOUT BRIDGES

ROAD FROM BELINT
- BARAM AT BELINT
TAKES 40 TON TRUCKS
ALTERNATIVE ROUTE
ALONG BEACH BUT
DIFFICULTY IN WETTER
MOUNTAINS AT CREEK MOUTH



L.H.Q./032/3152
SWPA 1731

CONTROL: US Hydrographic Chart.
COMPILATION: LHQ Cartographic Coy, Aust Svy Corps from
US Hydrographic Chart, Sheet OI Coy Map, clouded Air Photo-
graphs, Strat Eng Study No. 115 and Terrain Study No. 89.
DRAWING & REPRODUCTION: LHQ Cartographic Coy, Aust Svy
Corps, Apr 45.

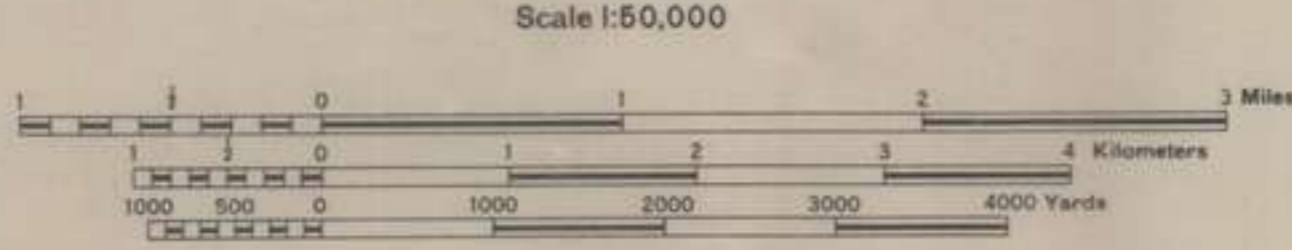
FIRST EDITION

Glossary

- Tandjoeng: Tg. cape
- Baai: Bof. B. bay
- Stroat: Str. strait
- Boekil: Bk. hill
- Brangk: Br. marsh
- Dansai: D. lake
- Qazaghebb: Gh. admtr office
- Goenong: G. mountain
- Ladang: L. cultivated land
- Moera, Kosala: river mouth
- Moengkoer: Mr. hill top
- Padang: plain, field
- Pematang: ridge, dam
- Soengal: S. river

APPROXIMATE MEAN DECLINATION 1944
FOR CENTER OF SHEET
ANNUAL MAGNETIC CHANGE INCREASE
The diagram only is relative to magnetic north.
To determine magnetic north line connect the
point "P" 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.

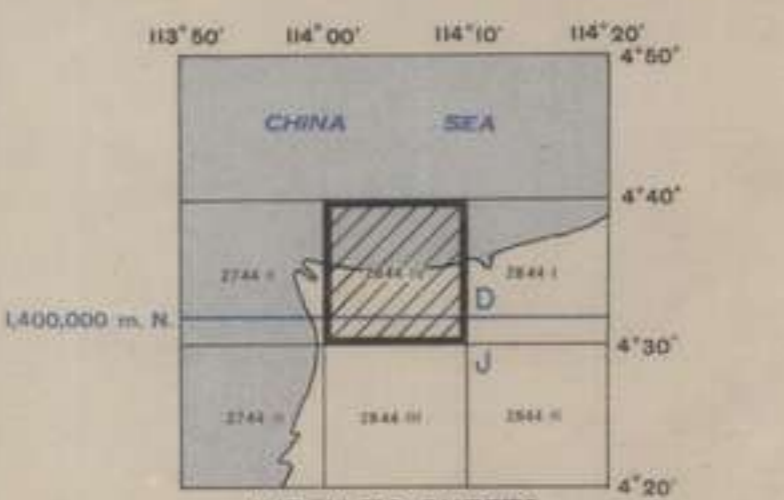
CAUTION: This map was produced from aerial
photographs. Due to lack of accurate ground
control, distances scaled on this map may be at
variance with actual ground distances.



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.

HEIGHTS IN METRES DEPTHS IN FEET

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) 575025; (US) 675-025
ALWAYS state SHEET NAME in giving a reference on this grid.



**BARAM RIVER
BORNEO**
S 430 - E 11400/10 (G)

INFM TO 6 JUL

BORNEO 1:25,000

BRUNEI SOUTH WEST

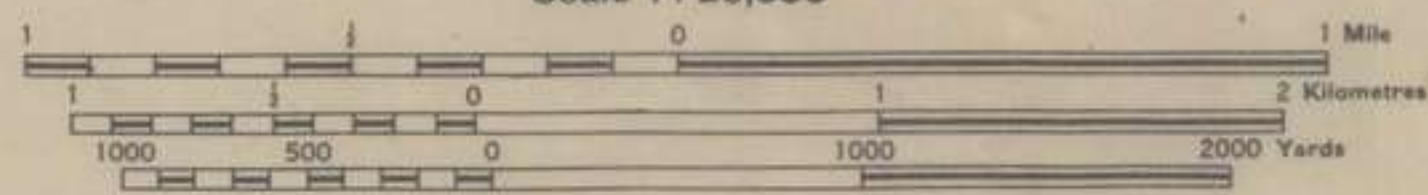
SHEET 3045-I SW



ADV/1080/0807
 CONTROL: British Trigonometrical Survey 1937.
 AIR PHOTOGRAPHY: 2 Photo Charting Sqn, 311 Photo Wing, IT PR Sqn, 8 Photo Group U.S.A.A.F. Missions 5MB108 Apr 45, 5MC7 Feb 45, 5MI08 Apr 45, 5MC21 Feb 45, and 5MC20 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 Brunei 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, May 45.

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

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 marked "P" on the south edge of the map with the value of the angle between GRID NORTH and MAGNETIC NORTH, as printed on the degree scale of the north edge of the map.



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.

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 Kg BERIBI	
EAST TAKE WEST EDGE OF SQUARE IN WHICH POINT LIES AND READ THE FIGURE PRINTED OPPOSITE THIS LINE ON NORTH OR SOUTH MARGIN 43 Estimate (tenths Eastwards) 3	NORTH TAKE SOUTH EDGE OF SQUARE IN WHICH POINT LIES AND READ THE FIGURE PRINTED OPPOSITE THIS LINE ON EAST OR WEST MARGIN 38 Estimate (tenths Northwards) 9
REFERENCE: BRUNEI SOUTH WEST 43389	
Unit: Square	Metre: 1000 METRES
Nearest SIMANG CO-ORDINATE REFERENCE 43340	100 KILOMETRES

BRUNEI SOUTH WEST BORNEO

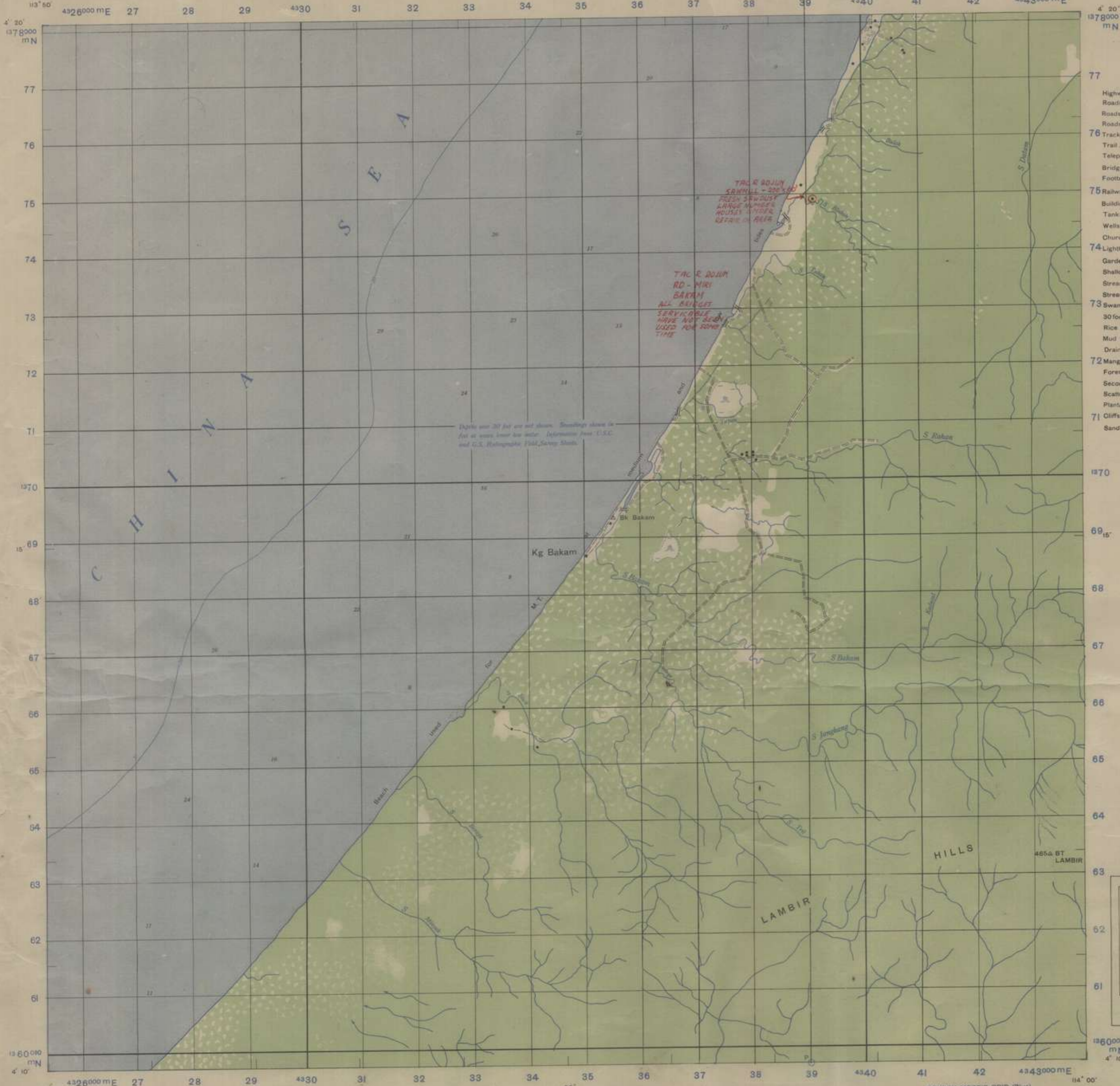
INFIM EP TO 6 JUL

BORNEO 1:50,000

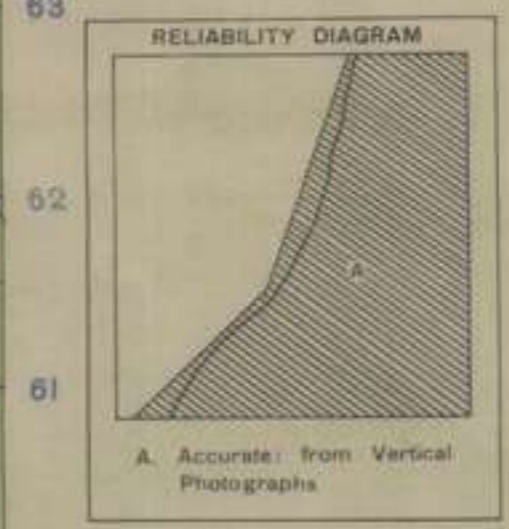
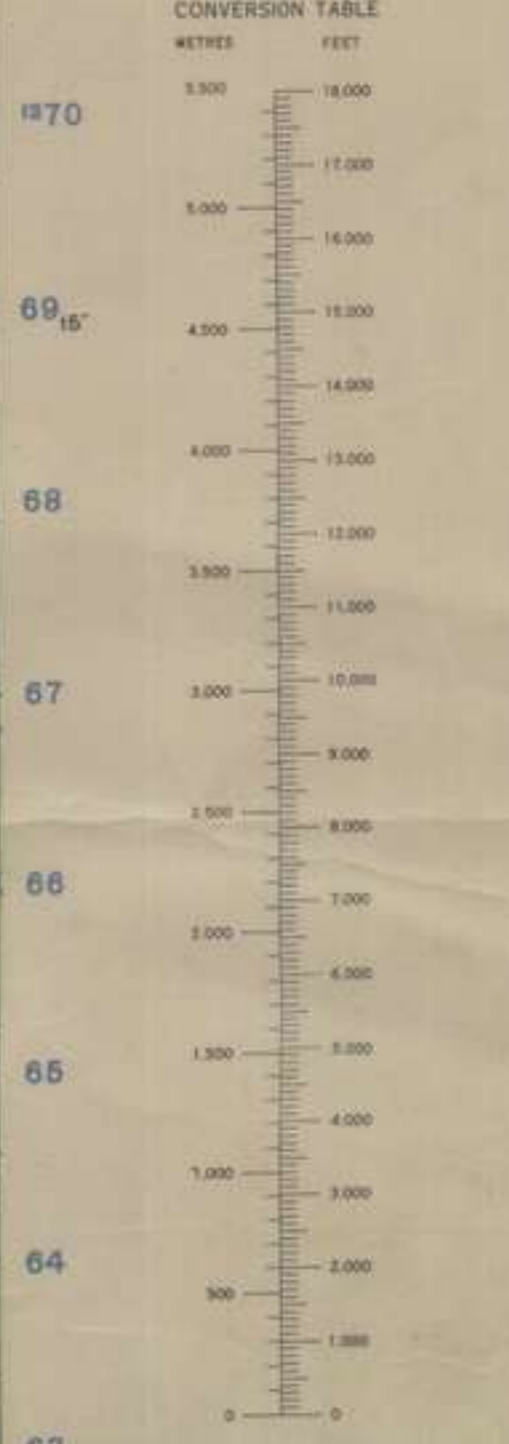
KG. BAKAM

FIRST EDITION SWPA 1

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

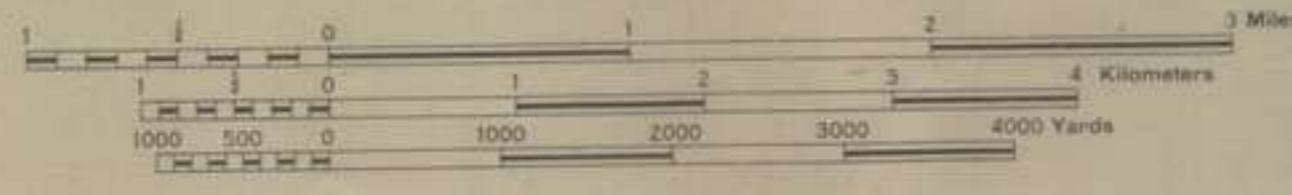


CONTROL: 1st Order Triangulation by Surveyor General FMS & BS and Shell Oil Coy Surveys.
 AIR PHOTOGRAPHY: Missions 6MC20-L1 and Shell Oil Coy photographs.
 COMPILED: LHQ Cartographic Coy, Aust Svy Corps from Air Photographs, British Admiralty Chart No. 2108, Shell Oil Coy Map, Sival Eng Study No. 116 and Terrain Study No. 89.
 DRAWING & REPRODUCTION: LHQ Cartographic Coy, Aust Svy Corps, Apr 45.

- Glossary**
- Tanjung: Tg. cape
 - Baai: Bor Br. bay
 - Straat: Str. strait
 - Boekit: Br. hill
 - Brangka: Br. marsh
 - Danau: D. lake
 - Qazaghetber: Gh. adminr office
 - Qomorong: G. mountain
 - Ladang: L. cultivated land
 - Moeara, Koela. river mouth
 - Muengkoer: Mr. hill top
 - Padang: P. plain, field
 - Pematang: P. ridges, dam
 - Sungai: S. river
 - Kampung: Kg. village

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



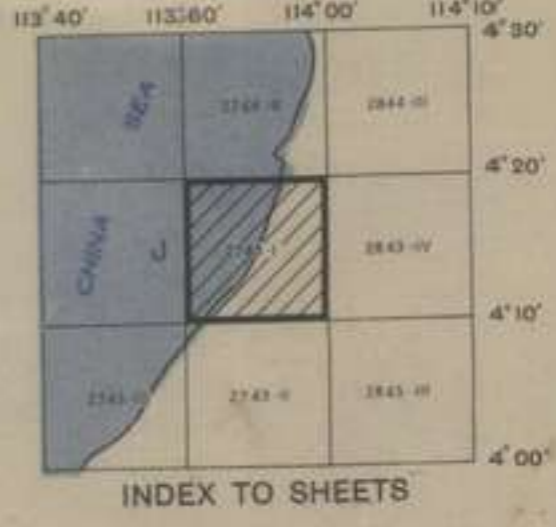
CONTOUR INTERVAL 20 METRES DATUM SEA LEVEL

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.O. OF FORCE CONCERNED.

HEIGHTS IN METRES, DEPTHS IN FEET.

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



KG BAKAM BORNEO
 N 410 - E 11350/10 (Greenwich)

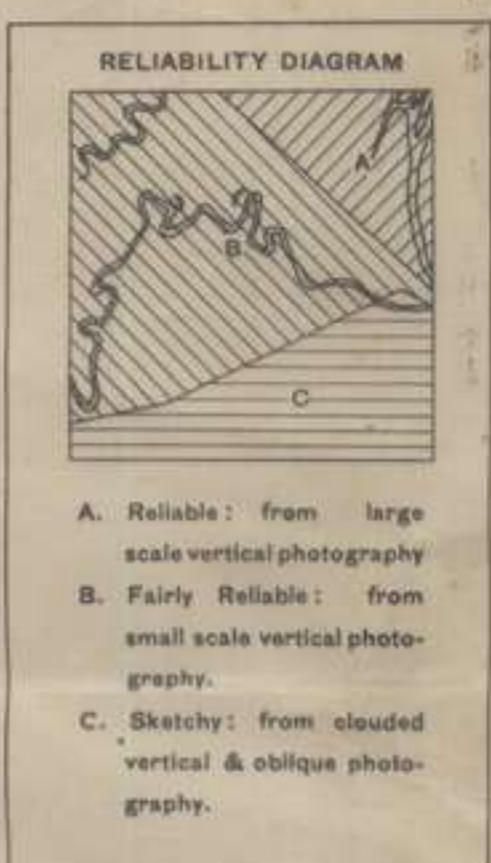
BORNEO 1:50,000

LIMBANG RIVER

SHEET 3045-II



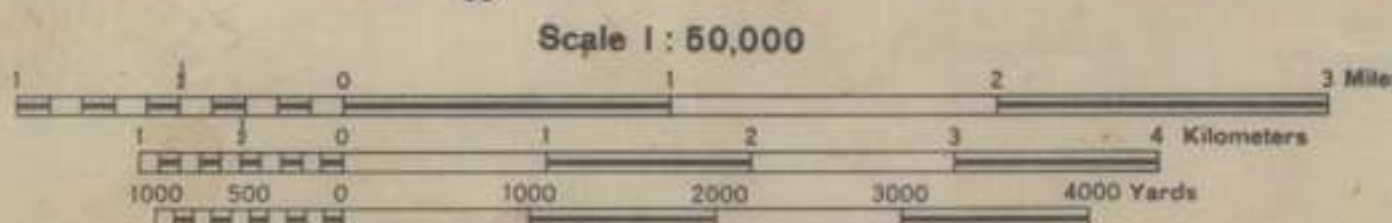
- LEGEND**
- Road, hard surfaced
 - Road, lightly surfaced
 - Road, earth
 - Jeep Track
 - Trail
 - Highway Bridge
 - Buildings or Huts
 - Villages (Reported)
 - Streams
 - Swamp
 - Mud Flats
 - Scattered Trees
 - Forest
 - Secondary Growth
 - Plantation (Coconuts)
 - Plantation (Rubber)



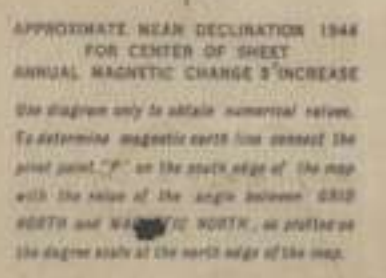
ADV/032/0045 IGO/032/3763
 CONTROL: British Trigonometrical Survey 1937.
 AIR PHOTOGRAPHY: 2 Photo Charting Sq, 311 Photo Wing, U.S.A.A.F. Missions 5MCT Feb 45, 5MC20 Feb 45 and 5MC21 Feb 45.
 COMPILATION: 2/1 Aust Army Topo Svy Coy, Aust Svy Corps, from Air Photos: Terrain Study 89 by A.G.S. S.W.P.A.; 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)
 - T TANJONG (CAPE)
 - S SUNGAI (RIVER)
 - Lg LOAGAN (OLD RIVER BED)

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.



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.



NOTE: Overprinted in Red by 1 Aust Mob Litho. Soc (AIF) Aust Svy Corps, 16 June 45. Information from large scale air photos. Missions 5MIBB (IV) April 45, 5MP140 (2V & 3V), 5MP142 (3V & 5V), 5MP141 (5V & 6V) May 45, 5MC7H (IV), 5MC10H (IV) Feb 45.

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

POINT: Kg GEDONG BATU

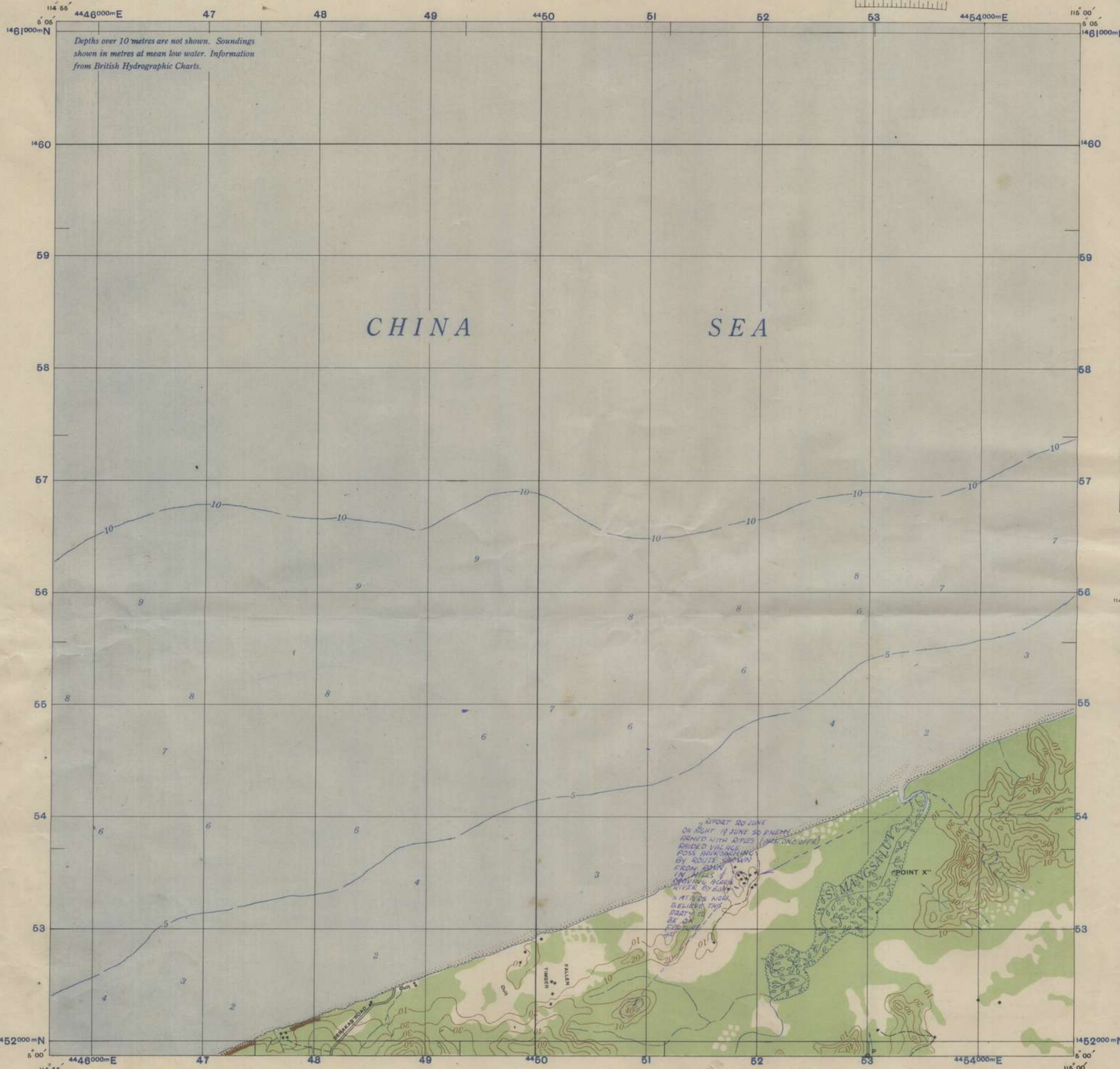
East	North
TAKE WEST EDGE OF SQUARE IN WHICH POINT LIES AND READ THE FIGURE IMMEDIATE OPPOSITE THIS LINE ON NORTH OR SOUTH MARGIN	TAKE SOUTH EDGE OF SQUARE IN WHICH POINT LIES AND READ THE FIGURE IMMEDIATE OPPOSITE THIS LINE ON EAST OR WEST MARGIN
Estimate tenth Eastwards	Estimate tenth Northwards
East 458	North 279

REFERENCE LIMBANG RIVER 458279

Unit	Metre
Square	1000 METRES
Nearest 100-Metre Co-ordinate Reference Distance	100 KILOMETRES

LIMBANG RIVER
BORNEO

INFM TO 6 JUL

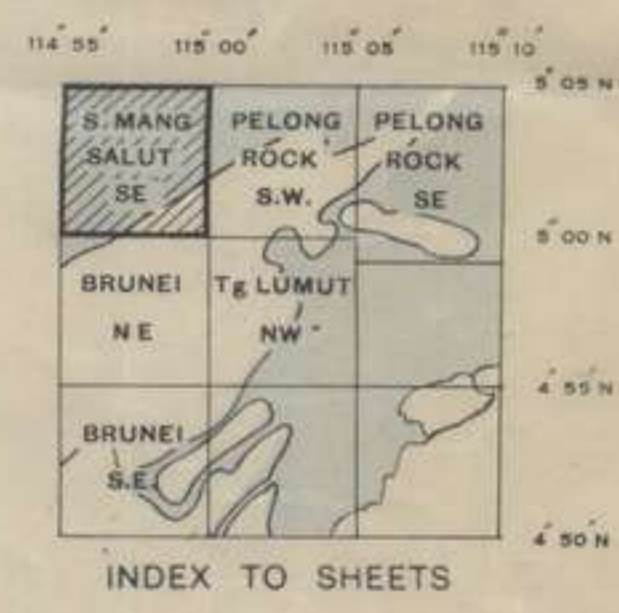


LEGEND

- Road, lightly surfaced
- Trail
- Buildings or Huts
- Streams
- Swamp
- Mangroves
- Depth line
- Scattered Trees
- Forest
- Secondary Growth
- Plantation (Coconut)
- Plantation (Rubber)
- Sand

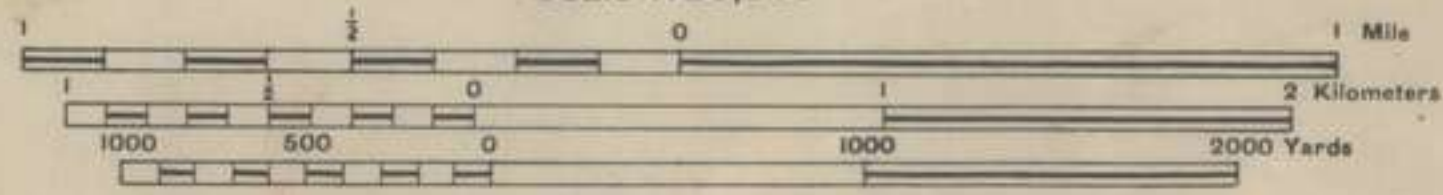
RELIABILITY DIAGRAM

A. Reliable: from accurately controlled vertical photography.
B. Fairly Reliable: from small scale vertical photography and Hydrographic Charts.



APPROXIMATE MEAN DECLINATION 1944 FOR CENTER OF SHEET
ANNUAL MAGNETIC CHANGES INCREASE
Use diagram only to obtain numerical value. To determine magnetic north line connect the pivot point "P" on the south edge of the map with the value of the angle between GRID NORTH and MAGNETIC NORTH, as plotted on the degree scale at 11 north edge of the map.

CONTROL: British Trigonometrical Survey 1937.
AIR PHOTOGRAPHY: 2 Photo Charting Sqn, 311 Photo Wing, U.S.A.A.F. Mission 5MCT Feb 45.
COMPILATION: 2/1 Aust Army Topo Svy Coy, Aust Svy Corps, from Air Photos: British Hydrographic Chart No 2123; Terrain Study 89 by A.G.S. S.W.P.A. and 1:253,440 Map of LABUAN prepared by Aust Svy Corps 1944.
DRAWING: 1 Aust Mob Litho Sec Aust Svy Corps
REPRODUCED BY 905 ENGR. A.F. HQ. CO. 284
APR '45



NETHERLANDS EAST INDIES EQUATORIAL ZONE GRID

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

POINT	POINT X		POINT Y	
	EAST	NORTH	EAST	NORTH
Take WEST EDGE of SQUARE in WHICH POINT LIES and READ THE FIGURE PRINTED OPPOSITE THIS LINE ON NORTH or SOUTH MARGIN	aa	bb	Take SOUTH EDGE of SQUARE in WHICH POINT LIES and READ THE FIGURE PRINTED OPPOSITE THIS LINE ON EAST or WEST MARGIN	cc
Estimate tenth fractions	aa	bb	Estimate tenth fractions	cc
REFERENCE	aa	bb	REFERENCE	cc

UNIT: Square METRE
NEAREST SIMILAR CO-ORDINATE REFERENCE: 1000 METRES 100 KILOMETRES

ABBREVIATIONS
S SUNGAI (RIVER)

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

S MANGSALUT SOUTH EAST
BORNEO



LEGEND

Main road without surface
 Main road with surface
 Road with surface
 Road without surface
 Railway
 Canal
 Stream
 River
 Lake
 Pond
 Swamp
 Forest
 Cultivated land
 Bare land
 Snow
 Ice
 Perennial water
 Seasonal water
 Shaded relief
 Contour interval 100 feet
 Spot heights
 Bench marks
 Triangulation stations
 Signal stations
 Light stations
 Lighthouses
 Beacons
 Fog signals
 Buoyage
 Tides
 Currents
 Direction of wind
 Direction of surface current
 Direction of bottom current
 Direction of tidal stream
 Direction of wind
 Direction of surface current
 Direction of bottom current
 Direction of tidal stream

INDEX TO SHEETS

Scale 1: 250,000

DATUM SEA LEVEL

HEIGHTS IN METERS

MIRI BORNEO
 N400 E11400/1 (Green)

Scale 1: 250,000

LEGEND

Main road without surface
 Main road with surface
 Road with surface
 Road without surface
 Railway
 Canal
 Stream
 River
 Lake
 Pond
 Swamp
 Forest
 Cultivated land
 Bare land
 Snow
 Ice
 Perennial water
 Seasonal water
 Shaded relief
 Contour interval 100 feet
 Spot heights
 Bench marks
 Triangulation stations
 Signal stations
 Light stations
 Lighthouses
 Beacons
 Fog signals
 Buoyage
 Tides
 Currents
 Direction of wind
 Direction of surface current
 Direction of bottom current
 Direction of tidal stream
 Direction of wind
 Direction of surface current
 Direction of bottom current
 Direction of tidal stream

INDEX TO SHEETS

Scale 1: 250,000

DATUM SEA LEVEL

HEIGHTS IN METERS

SINDUMIN BORNEO
 N400 E11800/1 (Green)

