



INTERNATIONAL COURT OF JUSTICE

CASE CONCERNING SOVEREIGNTY OVER
PEDRA BRANCA/PULAU BATU PUTEH,
MIDDLE ROCKS AND SOUTH LEDGE

MALAYSIA/SINGAPORE

MEMORIAL OF MALAYSIA

VOLUME 4

MAP ATLAS

25 MARCH 2004

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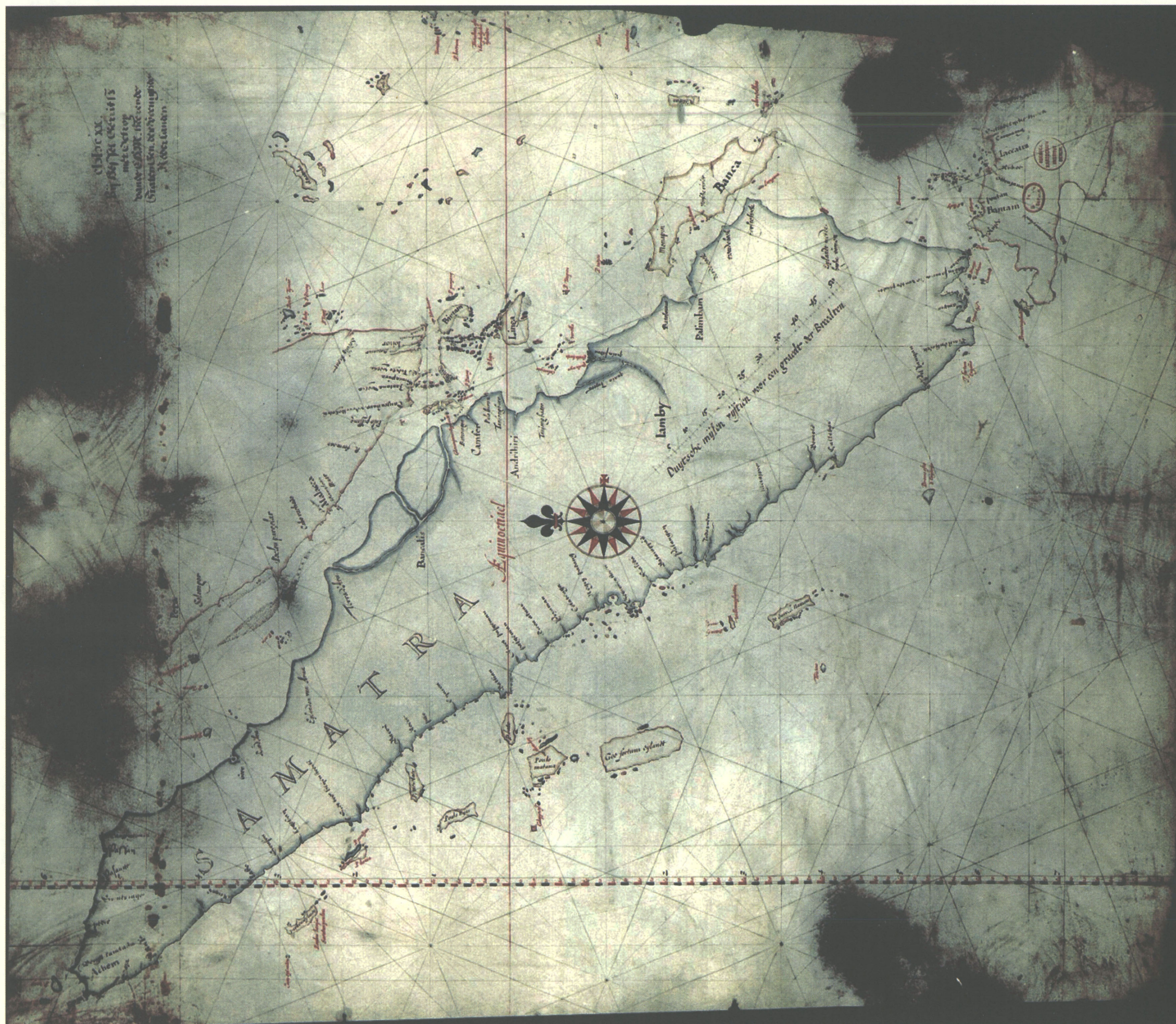
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MAP 1

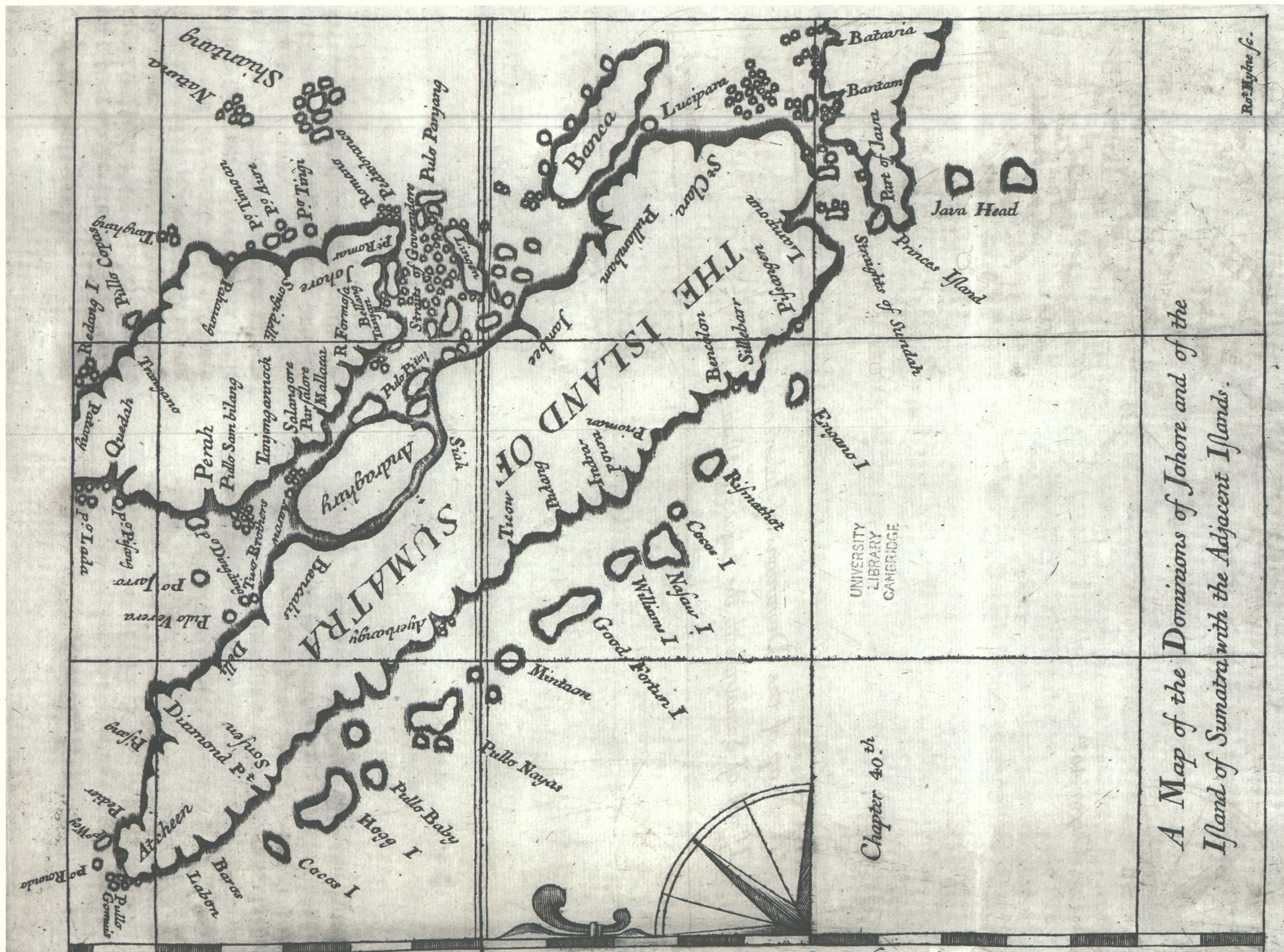
Map by Hessel Gerritz, 1620



MAP 2

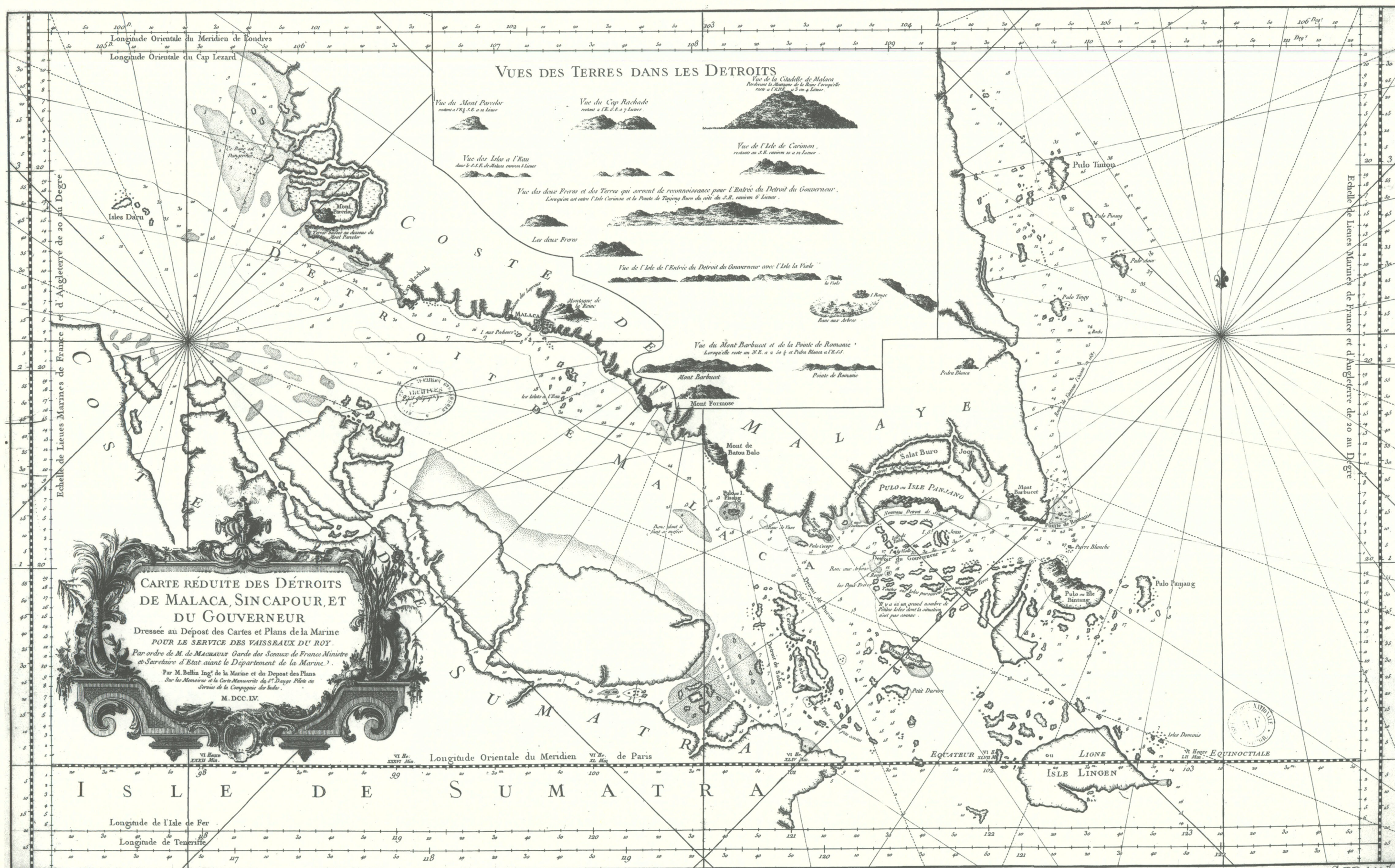
Map by Alexander Hamilton, 1732

**A map of the Dominions of Johore and of the Island of Sumatra
with the Adjacent Islands**



MAP 3

Map by Bellin, 1755
Carte Réduite Des Détroits
De Malaca, Sincapour, Et
Du Gouverneur



MAP 4

**A Plan of Soundings from Pulo Aor to the Southward and outside of the Reef off Point Romania
towards the entrance of Sincapour Strait with the Land adjacent and
the relative positions of the Hills & c.**

Published according to the Act of Parliament, 1st Jan. 1806, by James Horsburgh, Additions 1812

MAP 5

Chart by James Horsburgh, 1813

To The Honourable The Court of Directors of the United East India Company

This Chart

Intended as an Accompaniment to the Book of Directions for Navigating to,

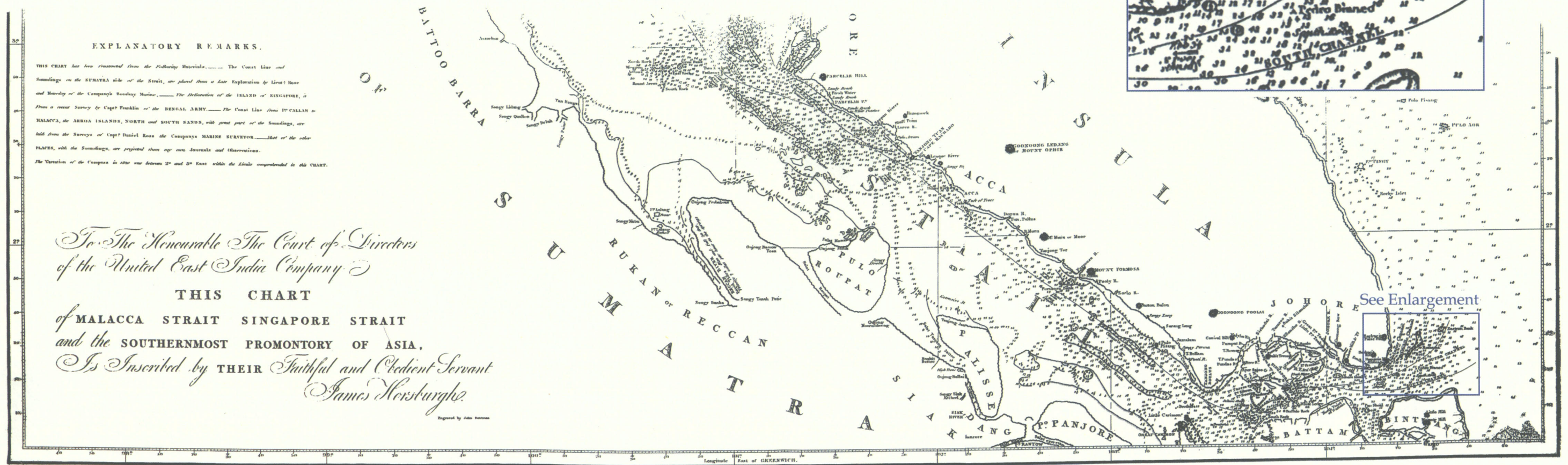
from, and in the East Indies, is inscribed by their faithful and

most obliged servant, James Horsburgh

MAP 6

Chart by James Horsburgh, 1826

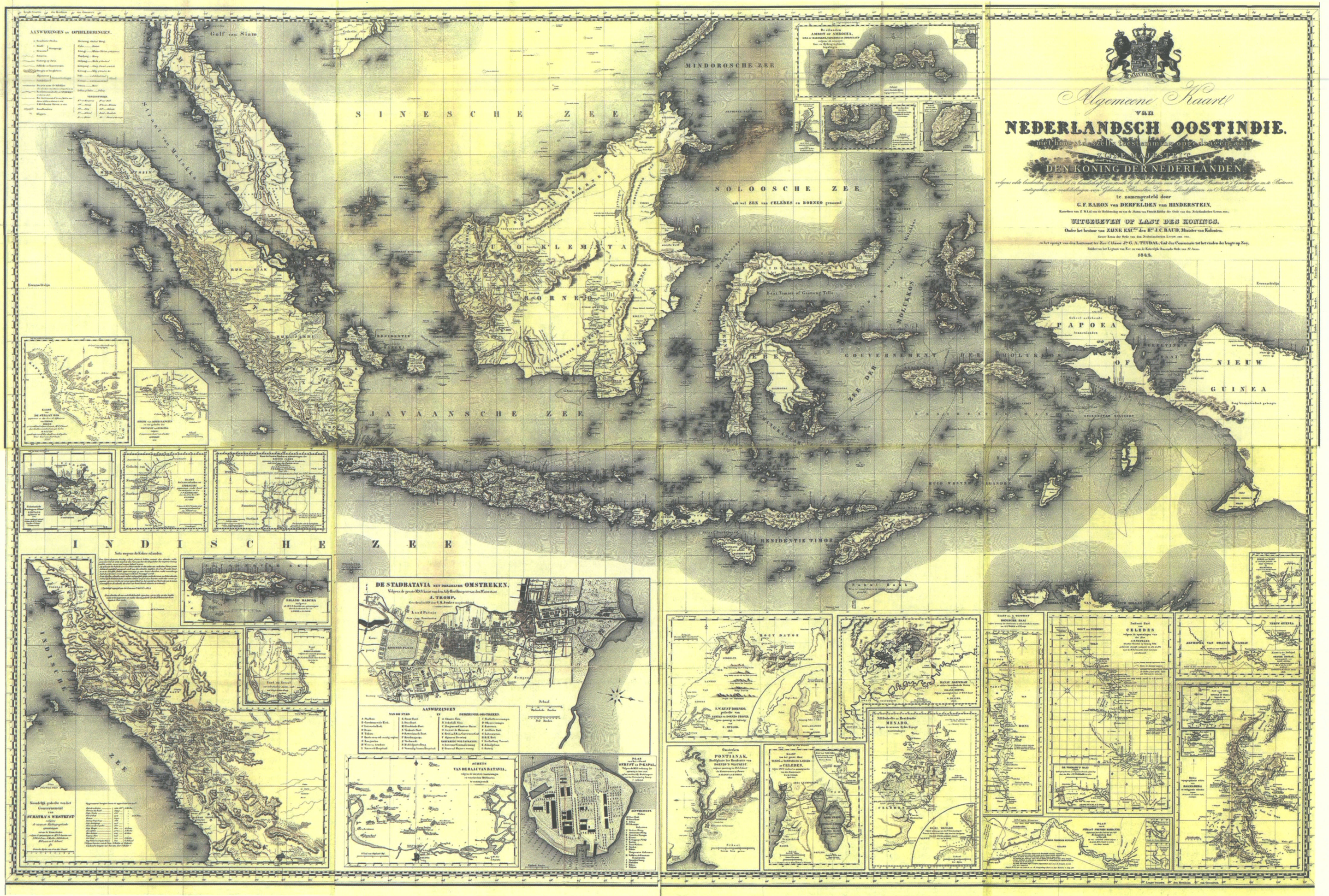
**To The Honourable The Court of Directors of the United East India Company
This Chart of Malacca Strait, Singapore Strait and the Southernmost Promontory of Asia,
is inscribed by their faithful and obedient servant, James Horsburgh**



MAP 7

Map of the Dutch East Indies

**Algemeene Kaart van Nederlandsch Oostindie, met hoogstdezelfs toestemming opgedragen aan
Zijne Majesteit, Den Koning Der Nederlanden, 1842**



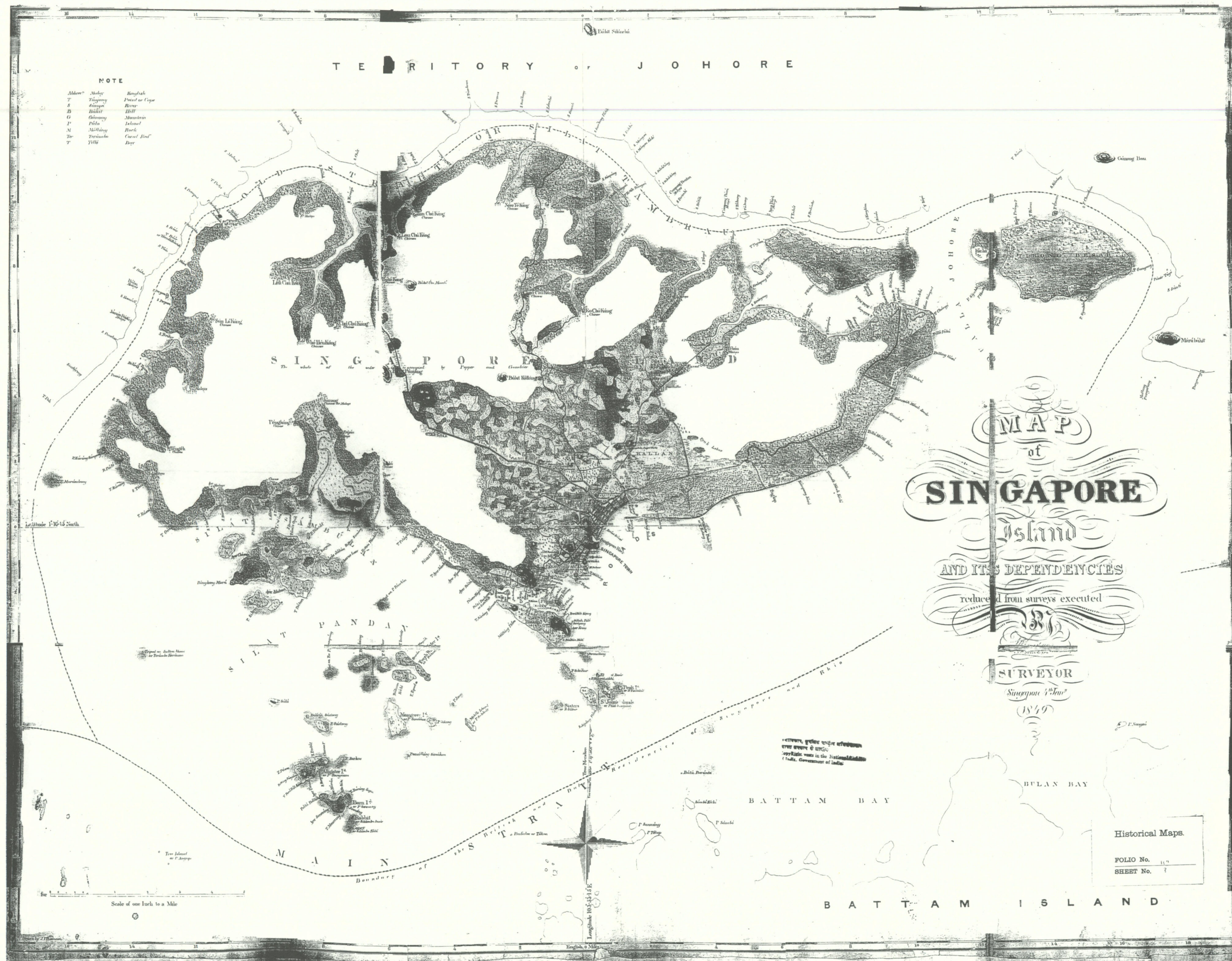
MAP 8

Map of Singapore Island and its Dependencies

On a scale of One Inch to a Mile

Reduced from surveys executed by J. T. Thomson, Surveyor

Singapore 4th Jan. 1849



MAP 9

German Map

Neueste Karte von Hinter Indien

**Nach den besten Quellen entworfen u. gezeichnet
von Hauptm. Radefeld, 1850**

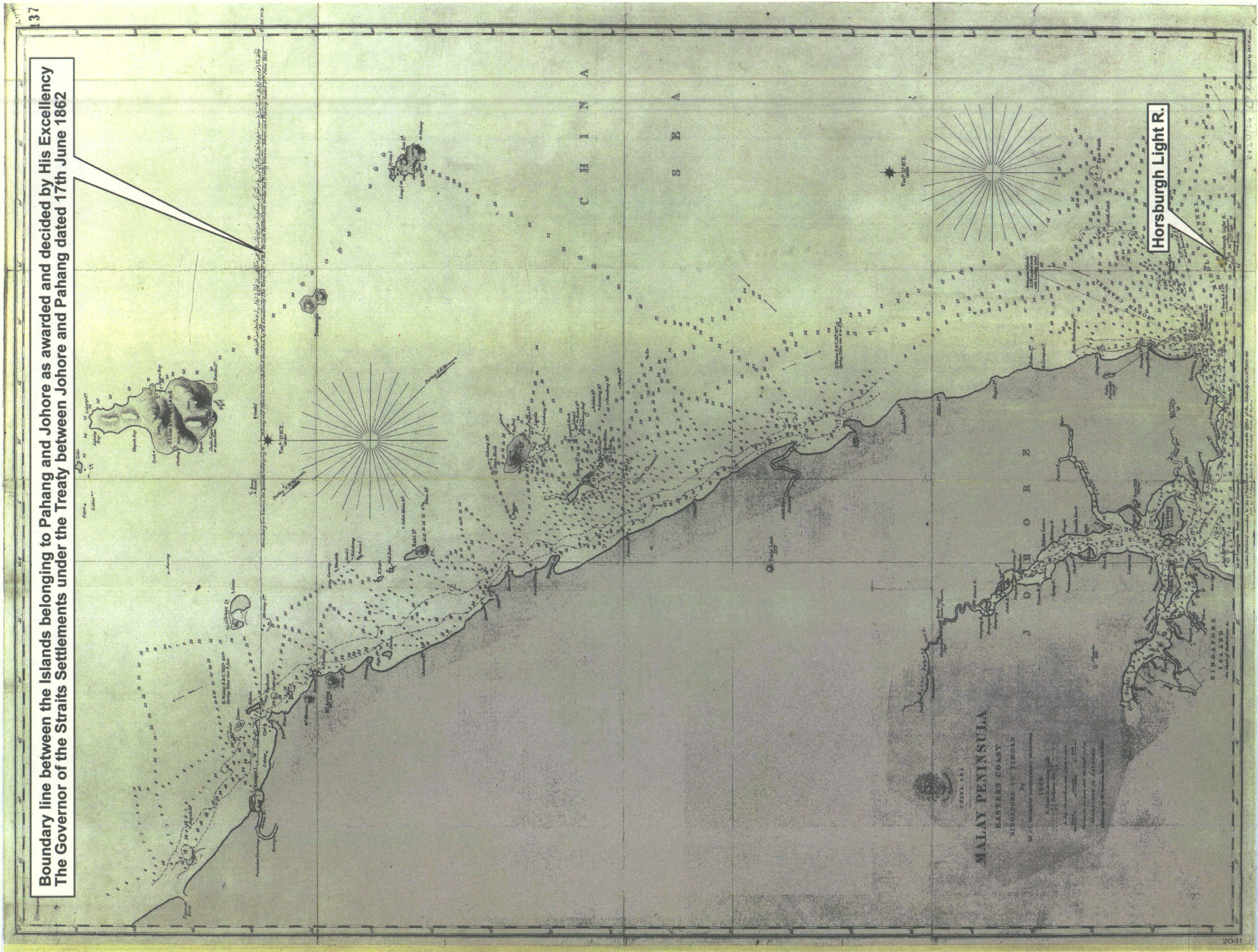


MAP 10

Chart of Malay Peninsula, Eastern Coast, Singapore to Tioman

By J. T. Thomson, Government Surveyor, 1849

**as attached to the Ord Award 1868, depicting boundary line under the
Treaty between Johore and Pahang dated 17th June 1862**



MAP 11

**A Map of the Dutch East Indies prepared to accompany the
Conventions with Native Princes Communicated by Count de Bylandt
February 15th 1882 & March 14th 1883**



MAP 12

Map of the Island of Singapore and its Dependencies, 1885

On a scale of 1 Inch to a Mile

Drawn by J. Van Cylenberg, Surveyor General's Office, Singapore



MAP 13

Map of the Island of Singapore and its Dependencies, 1898

On a scale of One Inch to a Mile

Drawn by John Van Cylenberg, Surveyor General's Office, Singapore



MAP 14

Map of the Island of Singapore and its Dependencies, 1911

On a scale of One Inch to a Mile

Geographical Section General Staff No. 2609, War Office Feb. 1912

To accompany Letter from
G.O.C. to Sec. W.O. No. 7991
A. 12.10.15

(8)



WAR OFFICE
No. 5.6.11.5
1911
F.W. 3

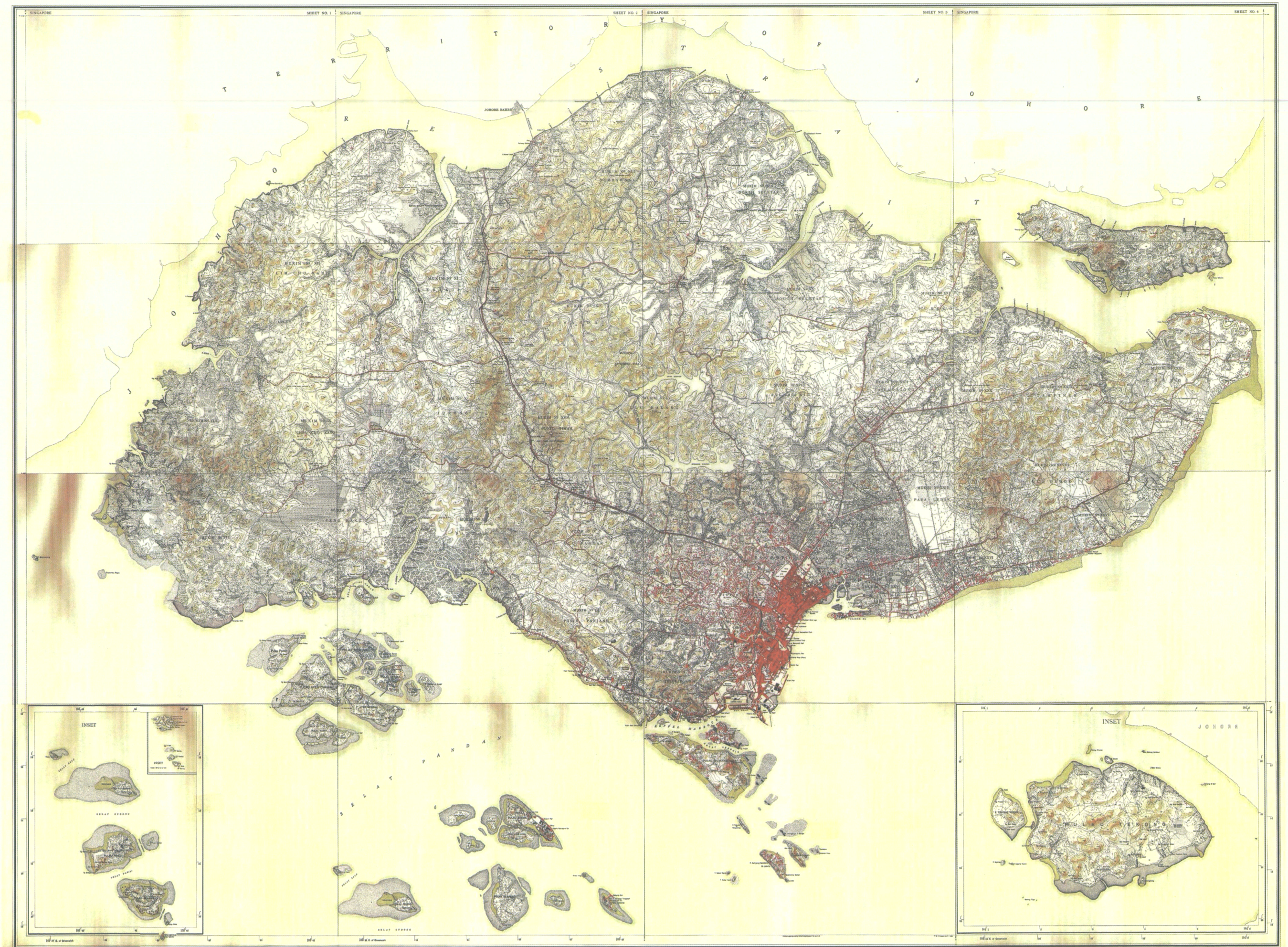
MAP 15

Singapore, 1924

Compilation of 16 sheets

On a scale of 20 Chains to an Inch

Published under the direction of the Surveyor General F.M.S. & S.S.

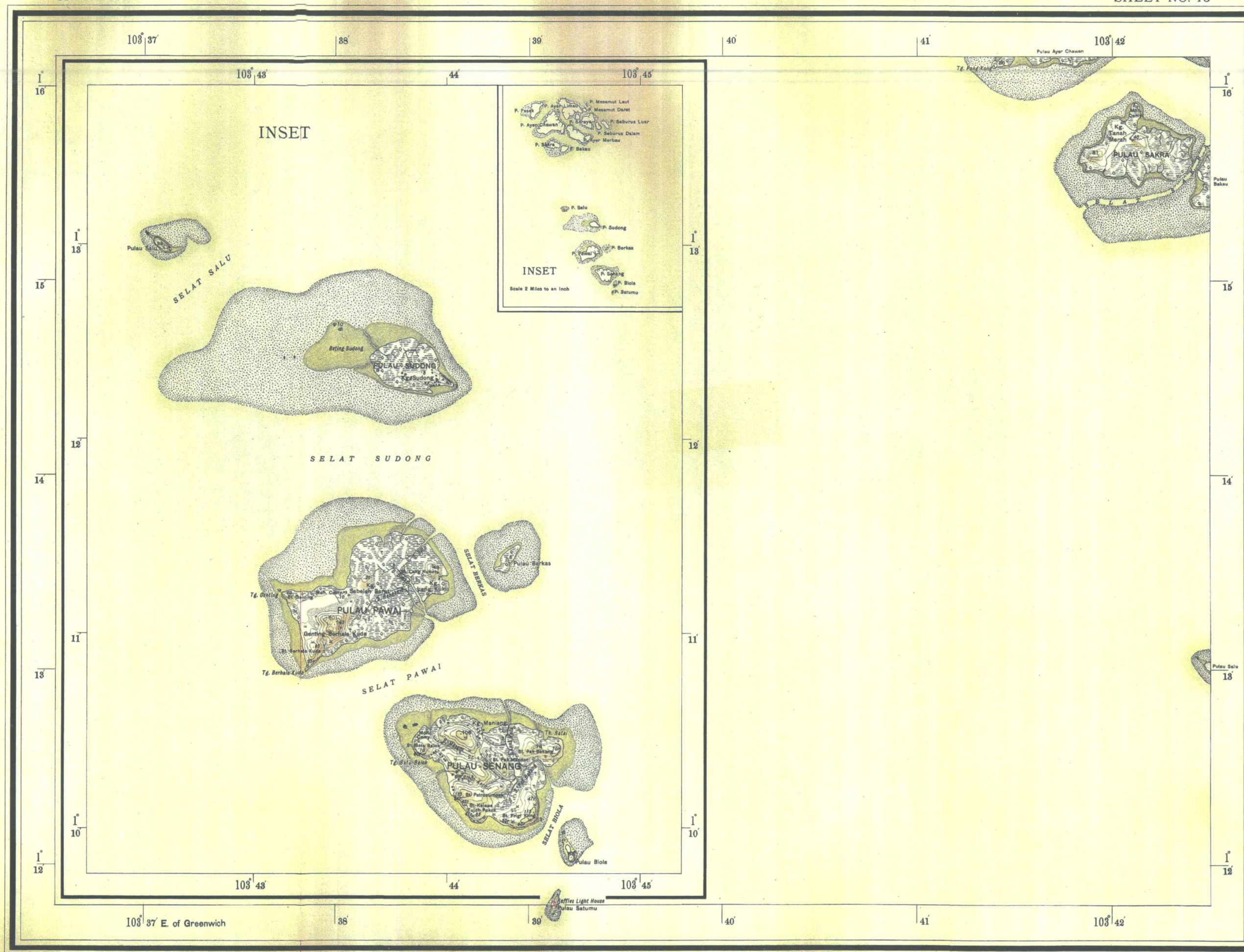


MAP 16

Sheet No. 13, Singapore, 1924

On a scale of 20 Chains to an Inch

Published under the direction of the Surveyor General F.M.S. & S.S.

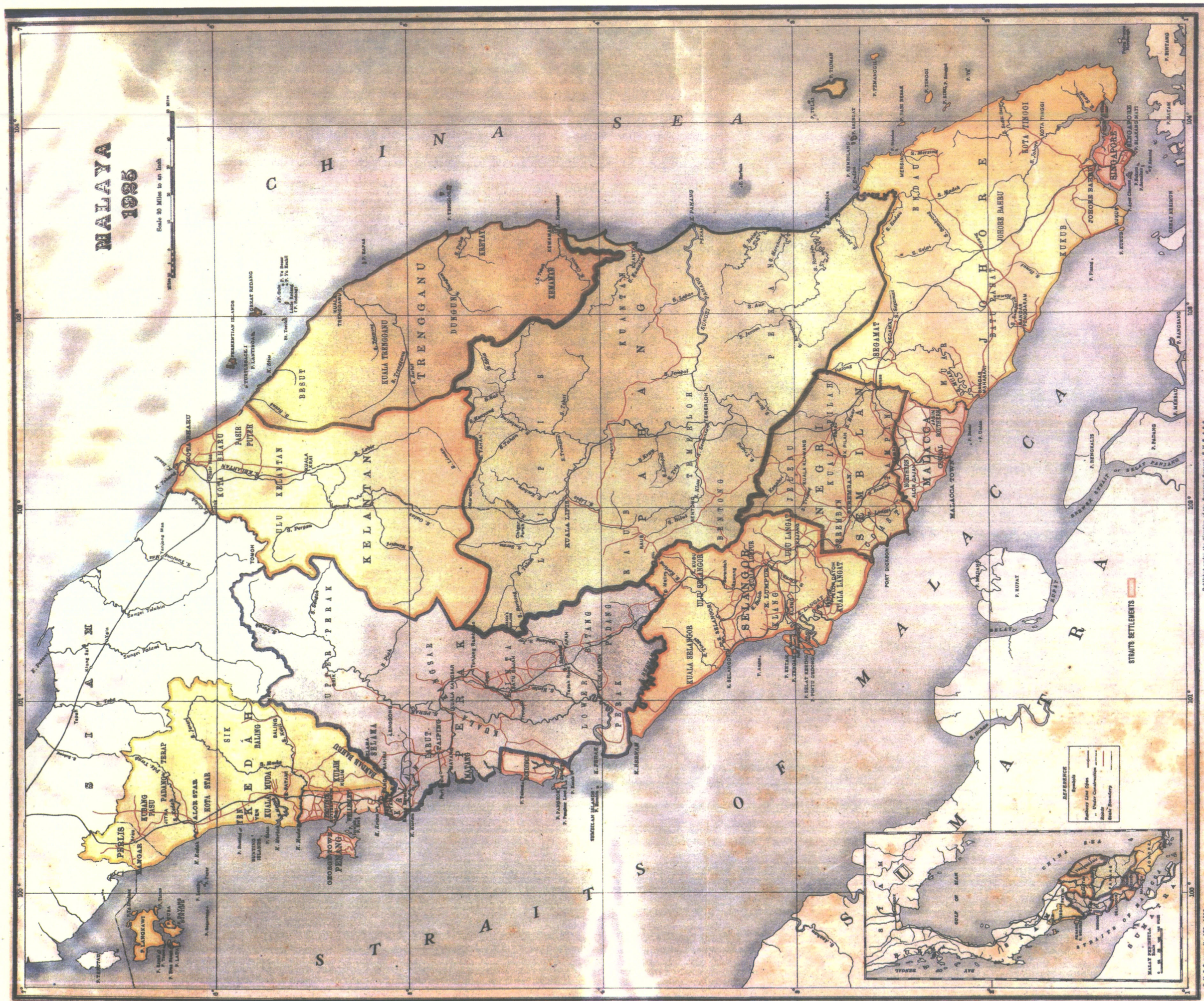


MAP 17

Malaya, 1925

On a scale of 20 Miles to an Inch

Published under the direction of the Surveyor General, F.M.S. & S.S.

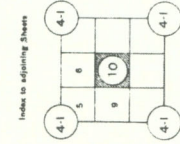
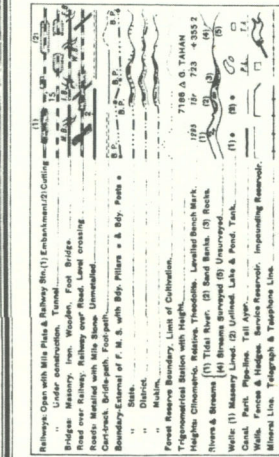
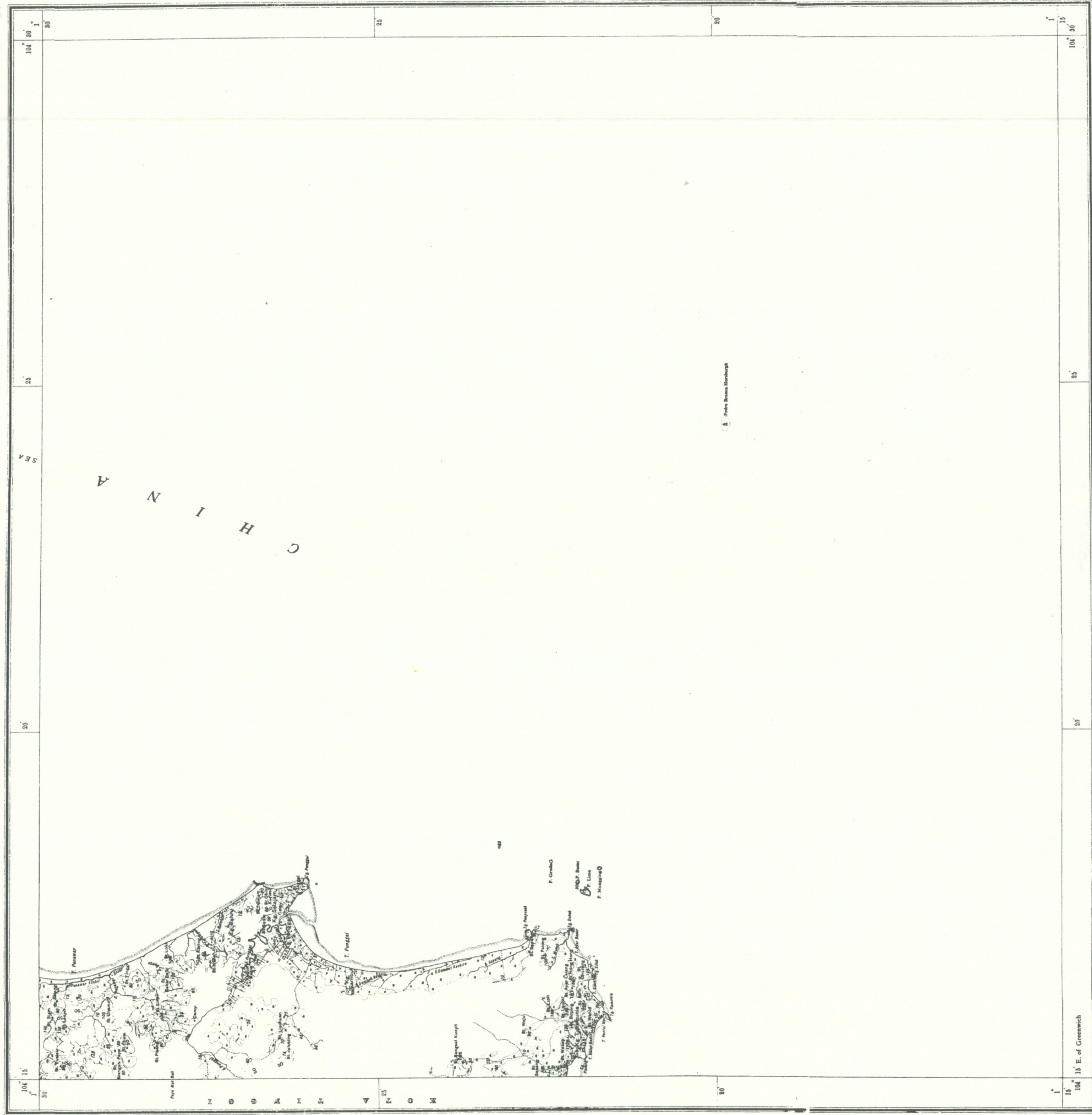


MAP 18

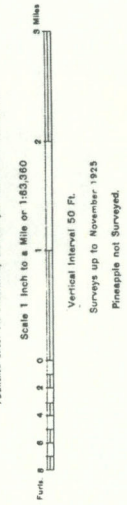
Part of Kota Tinggi District, Johore, No. 4 I/10

On a scale of 1 Inch to a Mile or 1 : 63,360

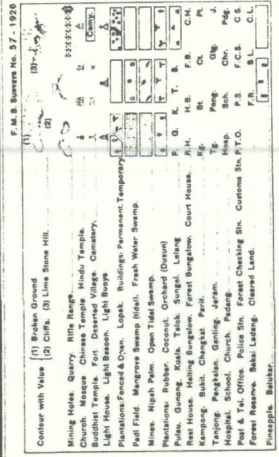
Published under the direction of the Surveyor General, F.M.S. & S.S., 1926



Published under the direction of the Surveyor General, F. M. S. & S. S.



Vertical Interval 50 Ft.
Surveys up to November 1925
Pinapple not Surveyed.



Showing Area of Portion of Sheet

Copy of map obtained from The Library of Congress,
Washington through Wima Putra, Kuala Lumpur on
25th April 1983 DPM. RAHSA 10139 Jld. 3/33

G8030
S63
.M3

DEC 10 1928
Library of Congress

MAP 19

Johore, 1926

On a scale of 3 Miles to an Inch

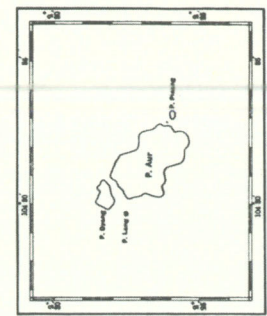
**Map depicting the extent of the state and territory of Johore under
His Highness Sir Ibrahim, The Sultan of the State and Territory of Johore**

Published under the direction of Surveyor General, F.M.S. & S.S.

JOHORE 1926

SCALE 8 MILES TO AN INCH
Miles 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

HIS HIGHNESS SIR IBRAHIM
THE SULTAN OF THE STATE AND TERRITORY OF JOHORE
D. K., S. P. M. J., G. C. M. G., K. B. E.



MAP 20

Admiralty Chart 3839, Malay Peninsula - East Coast, State of Johore, Horsburgh Light to Jason Bay

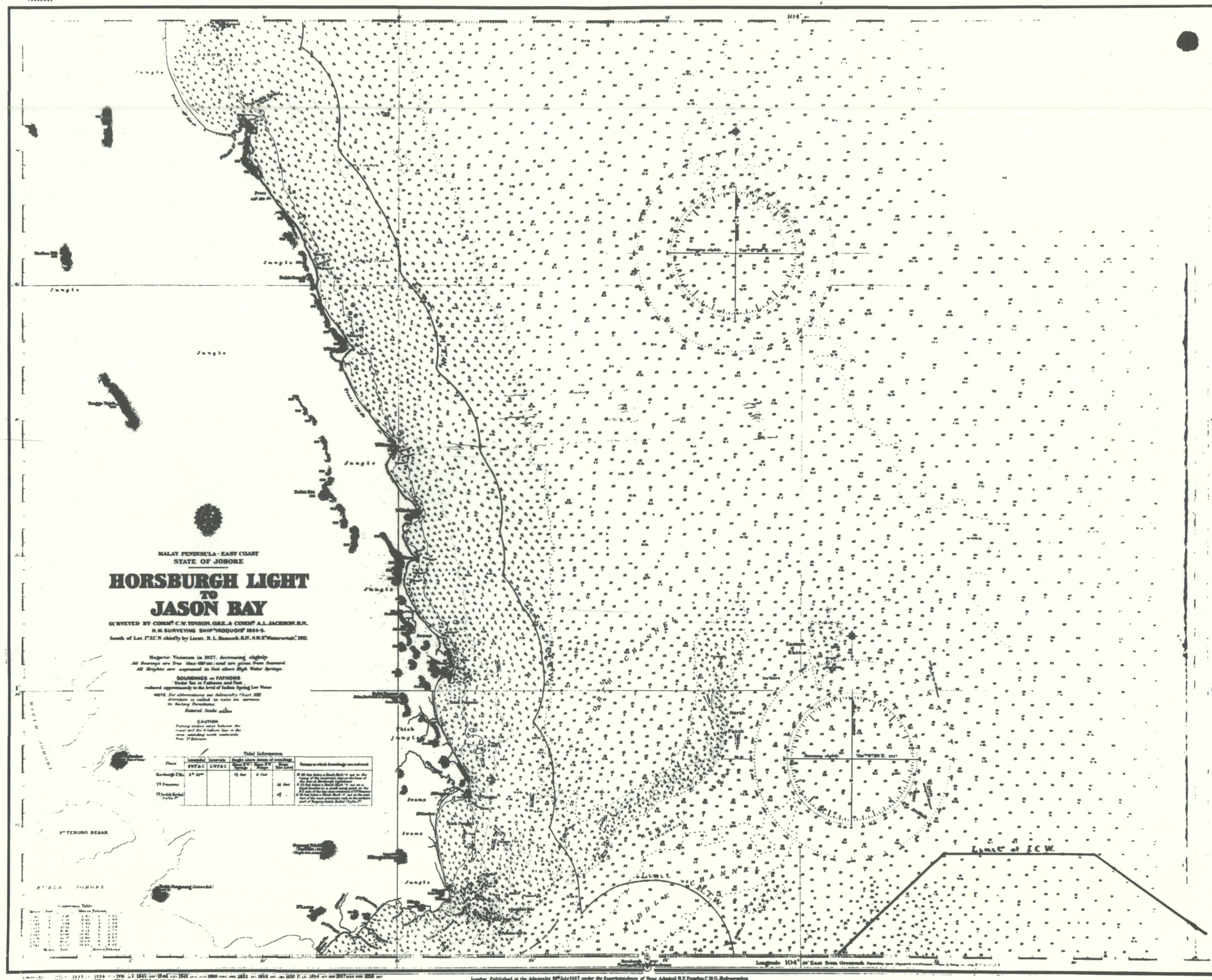
Surveyed by Commander C.W. Tinson and Commander A.L. Jackson R.N.

H.M. Surveying Ship Iroquois, 1927

Chart Showing Outer limits of Malaysian Territorial Waters and

Foreign claimed waters in West Malaysia

Drawn by Naval Staff Division, Ministry of Defence Malaysia, 1968

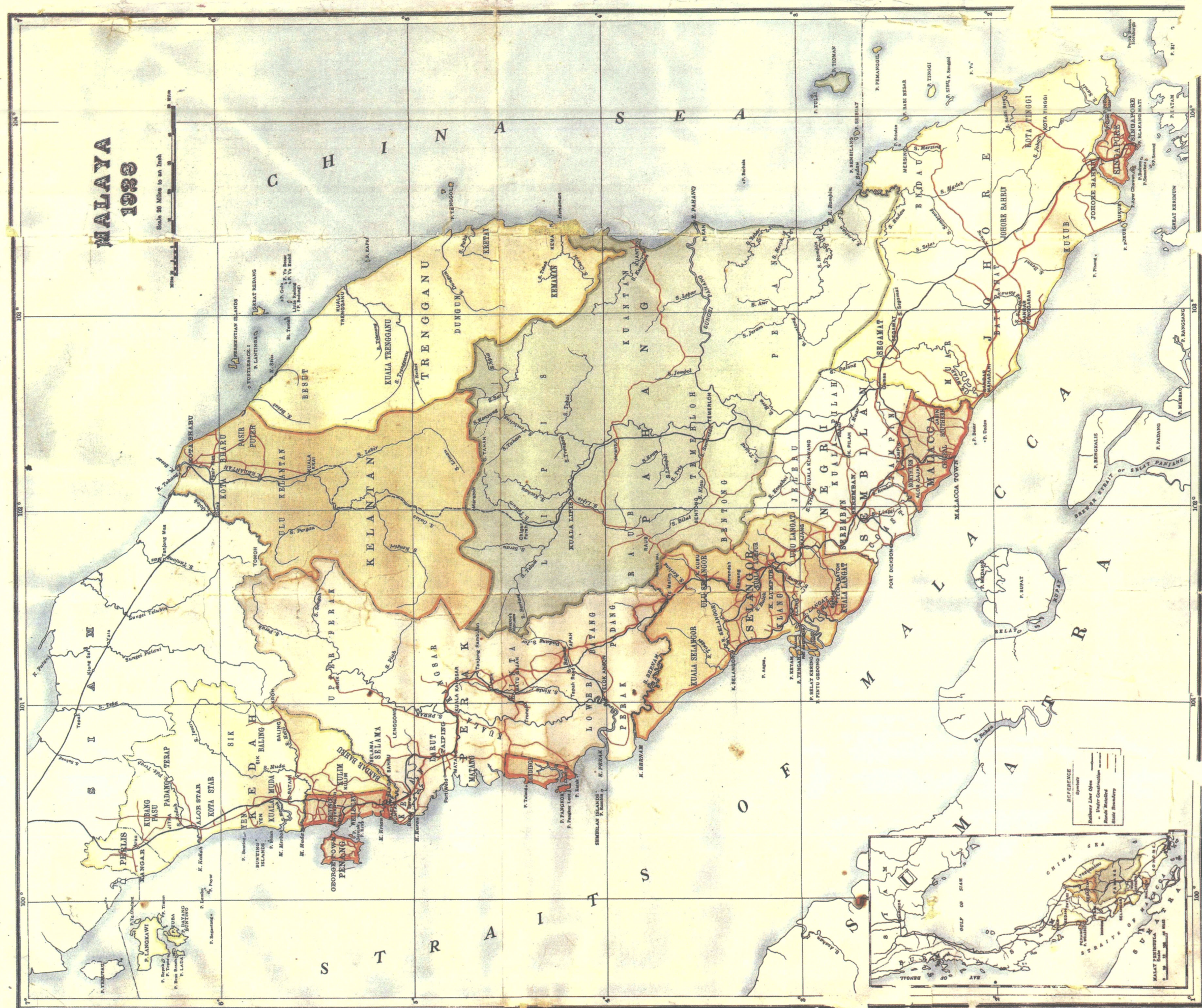


MAP 21

Malaya, 1928

On a scale of 20 Miles to an Inch

Published under the direction of the Surveyor General, F.M.S. & S.S.

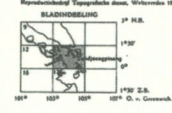


MAP 22

Dutch Map, 1929

Overzichtskaart van Sumatra, Blad 13.

On a scale of 1 : 250,000



===== Gewensdich voor auto's berijdbare wegen.
 ----- Wagen gewensdich geschikt voor karrenwegen.
 Voersmannen paarden en voetpaden.
 ▲ Voertuigen en kistieken.
 ===== Dagen kevenhoofd.
 ===== Ziekte.

- R. Standplaats van den Buitend.
- C. „ „ „ van Cassefort.
- Andere plaatsen.
- ↓ Hervest en velden.
- ⊕ 250 Hoogtepunt met hooggeul.

Verklaring der hoogtestaten

0 100 200 300 400 500 600 m

De hoogtelijnen van de niet afgesloten steden zijn schematisch ingetekend.

[illegible]

I Gouvernement Oostkust van Sumatra
Afdeling Bengalis
Onderafdeling Bengalis

II Residentie Rionw en Onderhoorigheden
A Afdeling Tandjongpinang
a Onderafdeling Tandjongpinang
b - Kartanoe
c - Loggi
B Afdeling Indragiri
Onderafdeling Indragirische Nendelalanden

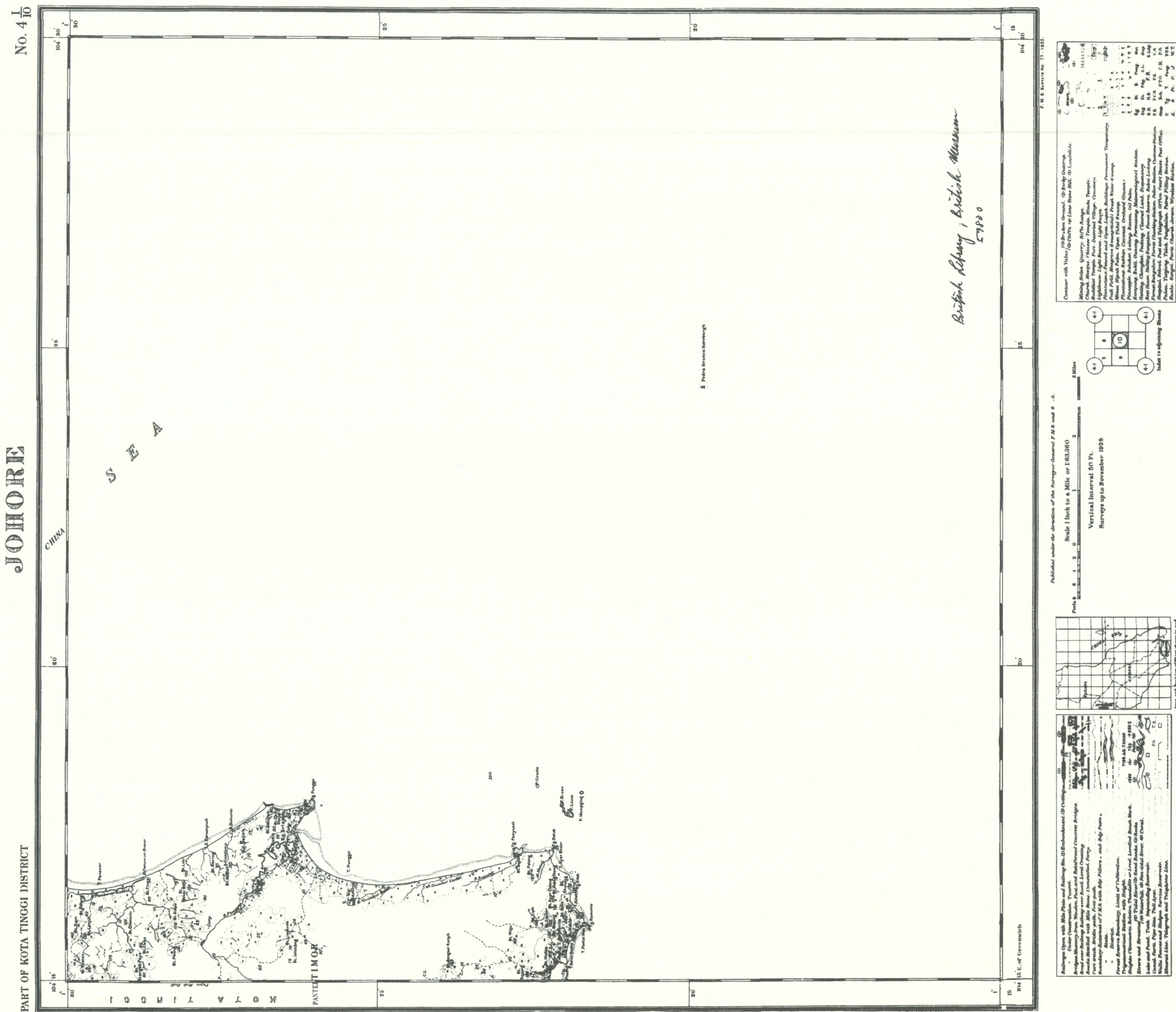
III Engelsch gebied.

MAP 23

Part of Kota Tinggi District, Johore, No. 4 I/10

On a scale of 1 Inch to a Mile or 1 : 63,360

Published under the direction of the Surveyor General, F.M.S. & S.S., 1932



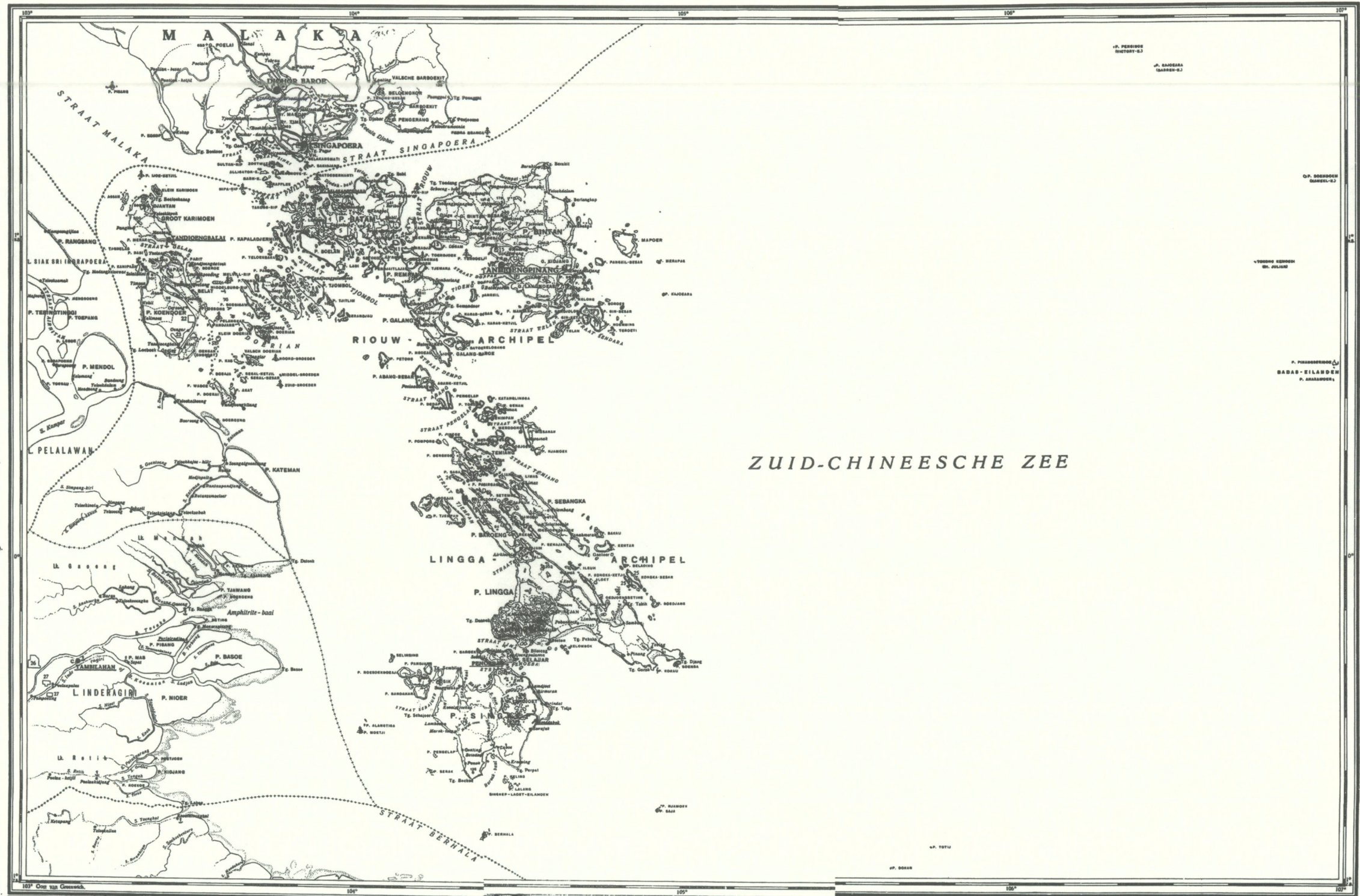
MAP 24

Dutch Map, 1934

Overzichtskaart van Sumatra, Blad VI.

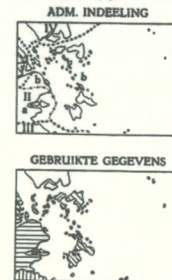
On a scale of 1 : 750,000

OVERZICHTSKAART VAN SUMATRA.



- LISTE DER ONDERNEMINGEN
1. Sengat Toba (Rubber).
 2. Panduan Bana (Rubber).
 3. Djanda Bana.
 4. Sengat Samak (Rubber).
 5. Sengat Kopek (Rubber).
 6. Sengat Pura.
 7. Elend Bana.
 8. Kapelkroon (Rubber).
 9. Poles Bana (Rubber).
 10. Tandjong Konek (Rubber).
 11. Ase (Rubber).
 12. Mena (Rubber).
 13. Lohm-Bana en Kopek (Kapper).
 14. Bana Bana (Rubber).
 15. Gue Bana.
 16. Elend Bana.
 17. Nandak (Rubber).
 18. Toba (Rubber).
 19. Galang-Bana (Rubber).
 20. Seng (Rubber).
 21. Poles Lohm (Rubber).
 22. Nandak (Rubber).
 23. Panduan I, II, III.
 24. Opeke (Kapper).
 25. Kopek-Bana en Kopek (Kapper).
 26. Bana Bana.
 27. Tandjong.

Reproductie van de Topografische Dienst, Batavia 1924.



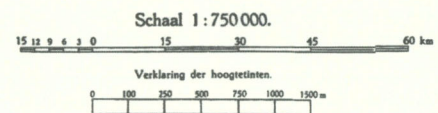
- ADM. INDEELING
- I Gouvernment Oostkust van Sumatra.
 - II Residentie Riouw en Onderhoorigheden.
 - III Residentie Djambi.
 - IV Engels gebied.

- ADM. INDEELING
- I Gouvernment Oostkust van Sumatra.
 - II Residentie Riouw en Onderhoorigheden.
 - III Residentie Djambi.
 - IV Engels gebied.

- GEbruikte GEGEVENS
1. Opeke Top. dienst schaal 1:50,000, 1921.
 2. Opeke Boekvereen schaal 1:50,000, 1922-1925.
 3. Opeke Boekvereen schaal 1:200,000, 1925.
 4. De S. Karsen schaal 1:100,000 is door het Boekvereen in 1929 herzien.
 5. Het Engels gebied is overgenomen van de Map of British Malaya 1924 en 1927.

- Schaal van de residentie Djambi schaal 1:250,000, 1920.
1. Zie kaart No. 43 Angkor-bes en Indragiri-riuw schaal 1:100,000, 1930.
 2. 103 Oostkust Sumatra schaal 1:500,000, 1927.
 3. 38 Zuid-Chineesche Zee schaal 1:100,000, 1927.

Copy of map obtained from The Library of Congress, Washington through Wisma Putra, Kuala Lumpur on 25th April 1983 DPNM. RAHSIA 1013.9 Jld. 3/33



- LEGENDA
1. Voornaam verbindingswegen geschikt voor autoverkeer.
 2. A. Anders geschikt voor auto's berijdbare wegen, s is aanleg.
 3. Wegen gewoonlijk geschikt voor karrenvervoer.
 4. Voornaamste paden - en voorpaden.
 5. Residenciestrassen.
 6. Afdelingsstrassen.
 7. (Houtwegen en andere in exploitatie, s is aanleg.
 8. (b = Tunnel, St = Station, H = Heide).
 9. Tussenwegen en dreefstraten.
 10. een Hoofdpunt met hoogtepunt.
 11. Onderaansluiting.
 12. Pijpleiding.
 13. Rivieren, gemeten.
 14. Rivieren, niet gemeten.
 15. Meren.
 16. Moerasen.
 17. Driedaad.
 18. Landingsplaatsen.
 19. Voortuigen en huizen.
 20. G.R. Standplaats van een Gouverneur of Resident.
 21. AR. Assistent Resident.
 22. C.G. Controleur of Gezaghebber.
 23. Andere plaatsen.
 24. Post- en Telegraafstation.
 25. Haven en roeden.
 26. Zand.
 27. Koraal.
 28. Warme bron.

- AFKORTINGEN
- GES. = Gebirge.
 - G. = Gooien.
 - DE. = Dijk.
 - BR. = Brak.
 - T. = Ten.
 - Tp. = Tandjong.
 - G. = Oudepost.
 - P. = Poles (Eiland).
 - L. = Landchap.
 - DR. = Dijk.
 - Tal. = Talang.
 - Hr. = Hulpplaatsen.
 - Vr. = Vrijhaven.
 - Och. = Omboude.
 - Kr. = Kreeg.
 - W. = Wat.
 - B. = Bana.
 - A. = Aak of Aik.
 - S. = Sengat.
 - K. = Kalk.
 - I. = Iman.
 - D. = Dama (Mier).
 - Ka. = Konek (Riviermond).
 - Th. = Tjok (Bos).
 - Boor. = Boortoren.
 - S.P.M. = Bataviache Petroleum Maatschappij.
 - N.I.A.M. = Nederlandsche Indische Maatschappij.

TOELICHTING: De hoogtetinten geven de volgorde hoogten in meters aan. De onderaansluiting geven de plaatsen met hoogtepunt.

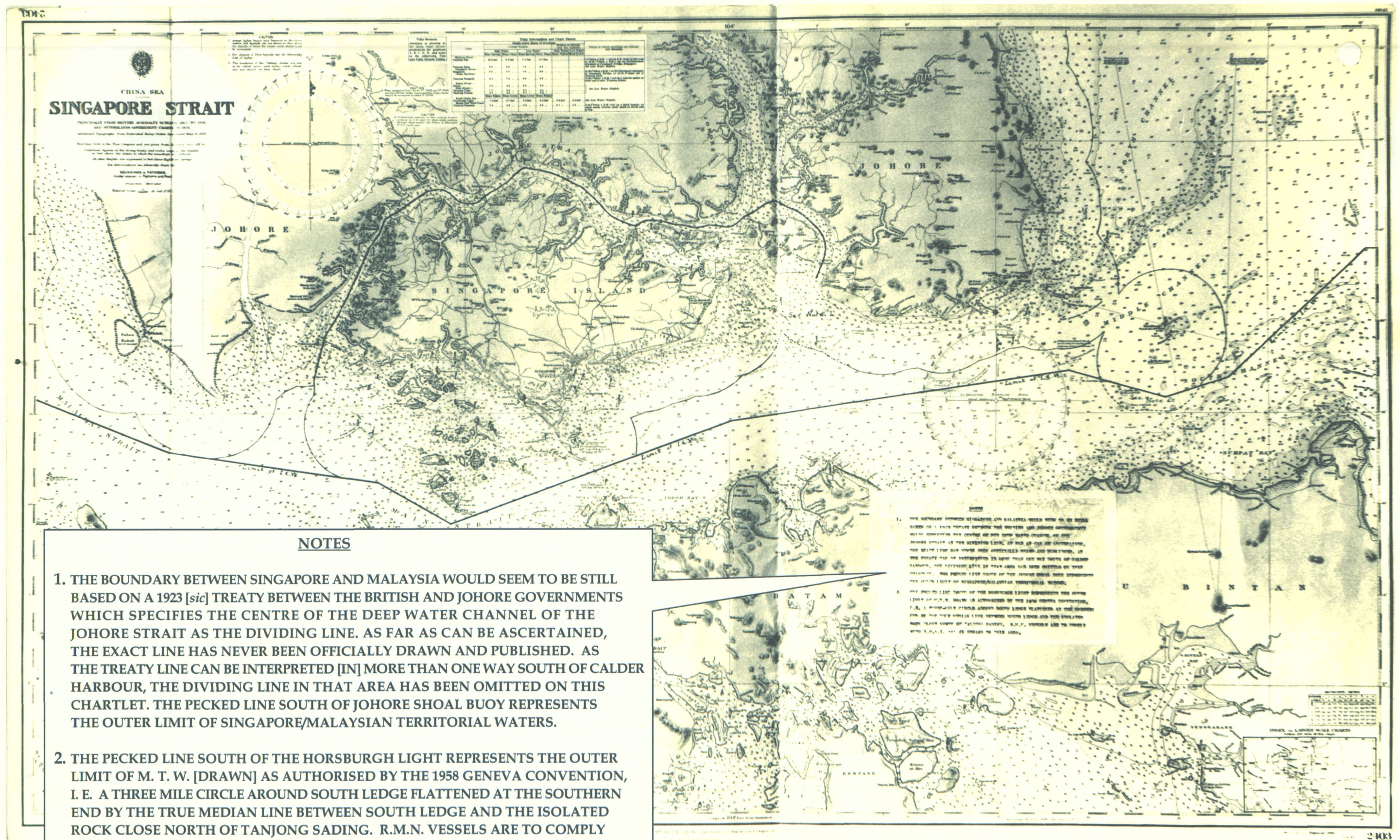
EP 31 1951

MAP 25

Admiralty Chart 2403, Singapore Strait , 1936

**Chart Showing Outer limits of Malaysian Territorial Waters and
Foreign claimed waters in West Malaysia**

Drawn by Naval Staff Division, Ministry of Defence Malaysia, 1968



MAP 26

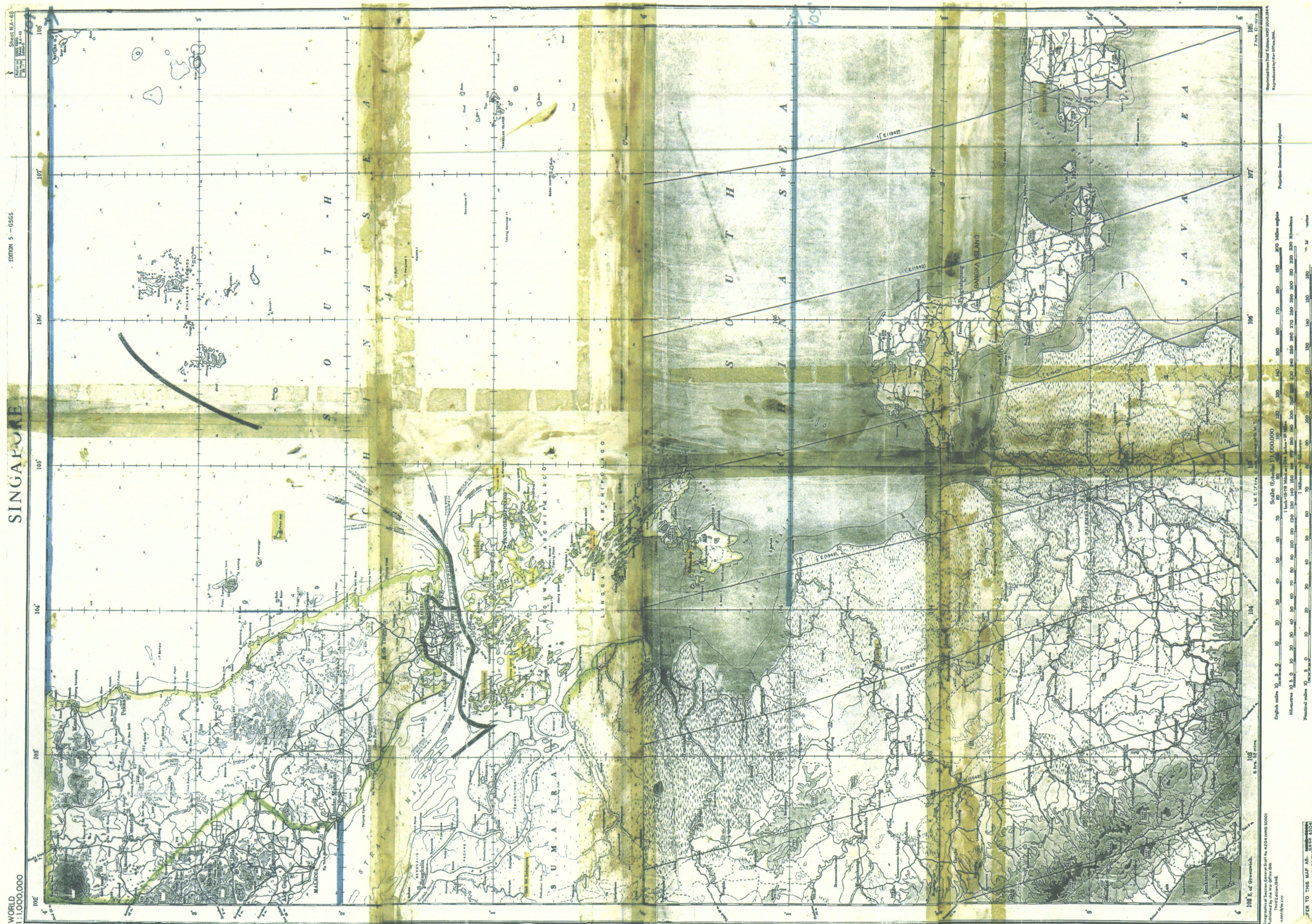
Singapore

On a scale of 1 : 1,000,000

GSGS 4204, Sheet NA-48, Published by the War Office 1941

Reprinted from Third Edition HIND 5000, 1944

Reproduced by War Office, 1946



MAP 27

Sedili Besar, Malaya

On a scale of 1 : 253,440

HIND 1076, Sheet 4I, First Edition

Printed at the Survey of India Offices (P.Z.O), 1944

[illegible]

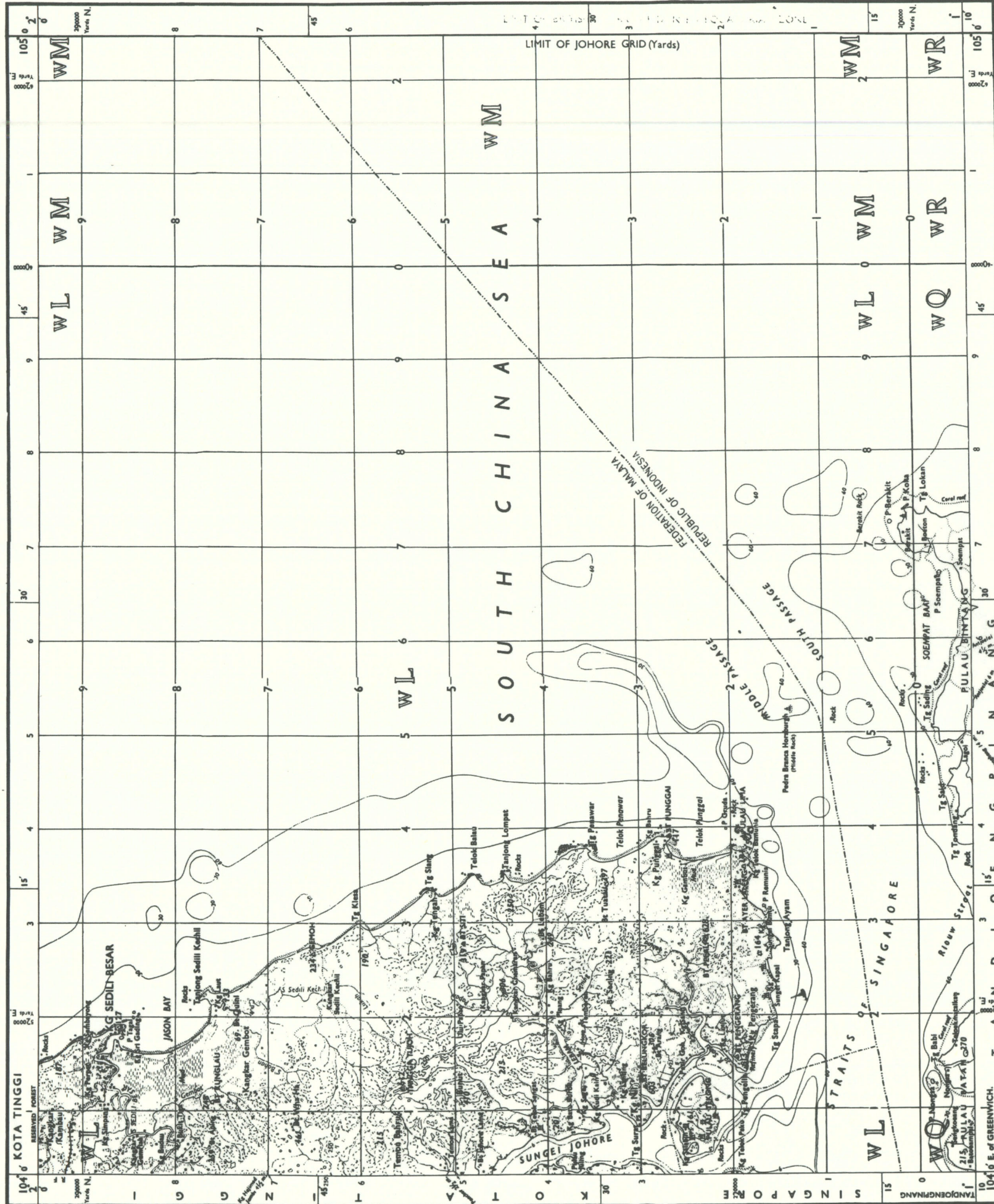
MAP 28

Sedili Besar, Malaya

On a scale of 1 : 253,440

AMS L501 (HIND 1076), First GSGS Edition

Published by War Office, 1950



AMS L501 (HIND 1076)
First 5555 Edition, 1950-AMS 1

Published by War Office, 1950, from First Edition HIND/1076, 1944.

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Reproduced with the permission of Her
Majesty's Stationery Office.

Scale 1 inch to 4 miles
Scale 1 inch to 2 miles
Scale 1 inch to 1 mile
Scale 1 inch to 0.5 miles
Scale 1 inch to 0.25 miles
Scale 1 inch to 0.125 miles
Scale 1 inch to 0.0625 miles
Scale 1 inch to 0.03125 miles
Scale 1 inch to 0.015625 miles
Scale 1 inch to 0.0078125 miles
Scale 1 inch to 0.00390625 miles
Scale 1 inch to 0.001953125 miles
Scale 1 inch to 0.0009765625 miles
Scale 1 inch to 0.00048828125 miles
Scale 1 inch to 0.000244140625 miles
Scale 1 inch to 0.0001220703125 miles
Scale 1 inch to 0.00006103515625 miles
Scale 1 inch to 0.000030517578125 miles
Scale 1 inch to 0.0000152587890625 miles
Scale 1 inch to 0.00000762939453125 miles
Scale 1 inch to 0.000003814697265625 miles
Scale 1 inch to 0.0000019073486328125 miles
Scale 1 inch to 0.00000095367431640625 miles
Scale 1 inch to 0.000000476837158203125 miles
Scale 1 inch to 0.0000002384185791015625 miles
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Scale 1 inch to 0.0000000298023223876953125 miles
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Scale 1 inch to 0.0000000000291038304567337035859375 miles
Scale 1 inch to 0.00000000001455191522836685179296875 miles
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Scale 1 inch to 0.000000000000909494701772928237060546875 miles
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Scale 1 inch to 0.00000000000022737367544323205926513671875 miles
Scale 1 inch to 0.000000000000113686837721616029632568359375 miles
Scale 1 inch to 0.0000000000000568434188608080148162841796875 miles
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Scale 1 inch to 0.000000000000014210854715202003704071044921875 miles
Scale 1 inch to 0.0000000000000071054273576010018520355224609375 miles
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Scale 1 inch to 0.000000000000001776356839400250046308880615234375 miles
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Scale 1 inch to 0.00000000000000044408920985006251157722015380859375 miles
Scale 1 inch to 0.0000000000000002220446049250312558886007690141796875 miles
Scale 1 inch to 0.000000000000000111022302462515627944300384507296875 miles
Scale 1 inch to 0.0000000000000000555111512312578139721501922536484375 miles
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Scale 1 inch to 0.00342113882891797922982069281620346249999974049479166684546171875 miles
Scale 1 inch to 0.00000

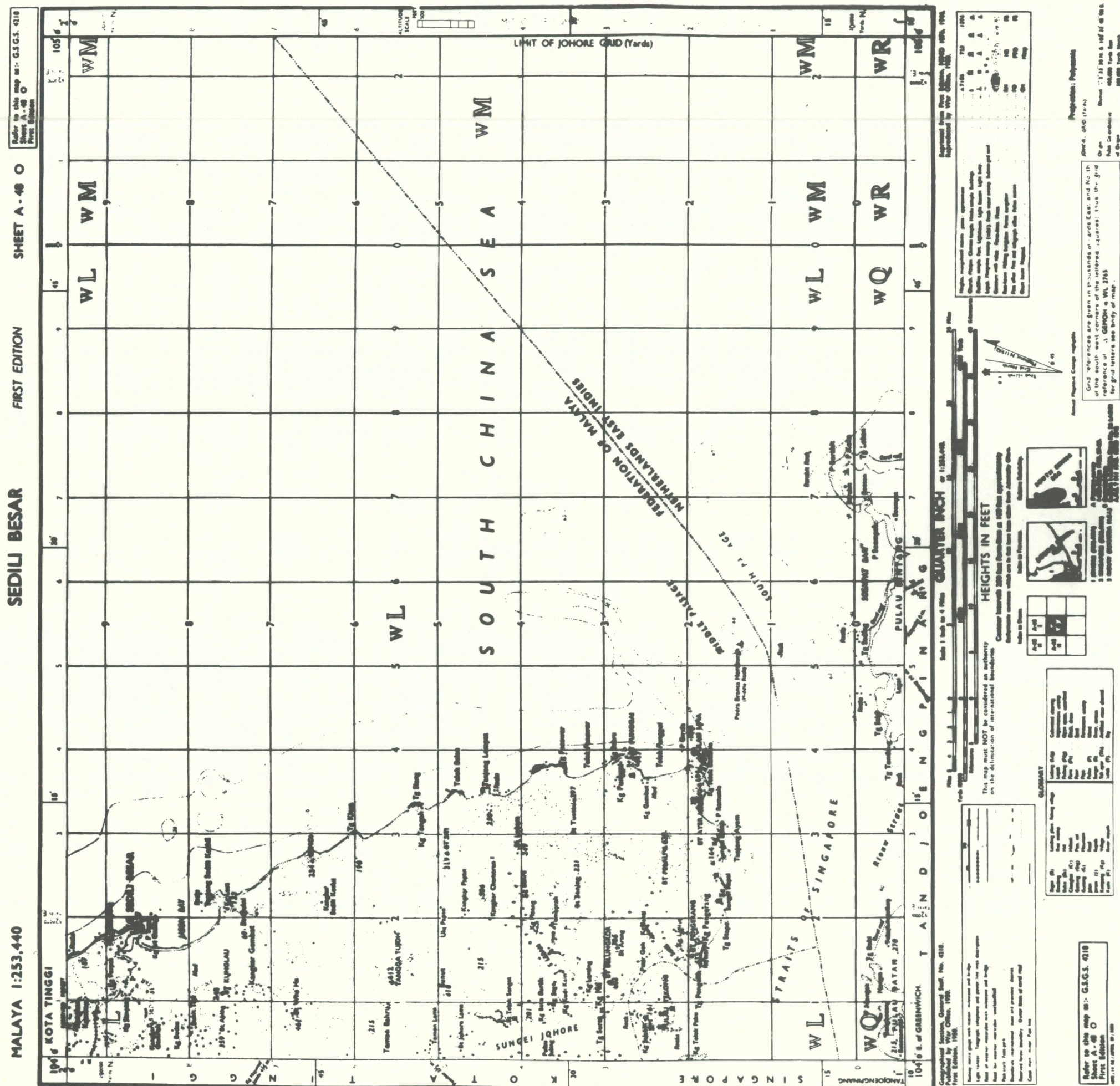
MAP 29

Sedili Besar, Malaya

On a scale of 1 : 253,440

GSGS 4210, Sheet A - 48 O, First Edition

Published by War Office, 1950



MAP 30

Compilation Sheet, Johore

On a scale of 2 ½ Inches to 1 Mile

Revision of Sheet No. 135, Section No. 3 & 6, Year 1957

JOHORE

Revision of

Sheet No. 135

Section No. 3 & 6

Scale $2\frac{1}{2}$ Inches to 1 Mile

Vertical Interval 25 Ft.

Year 1957

Index to Section



Plan Control Points

Description	Name or Number	Ht. (feet)	Co-ordinates in Chains Origin		Remarks
			N. or S.	E. or W.	
○	Tree		S. 3332.05	E. 4050.69	
○	Tree		S. 3370.6	E. 3957.6	
○	Tree		S. 3458.4	E. 3942.7	
○	Tree		S. 3525.0	E. 3953.4	
○	Tree		S. 3616.5	E. 3968.2	
○	Tree		S. 3644.6	E. 3990.7	
○	Tree		S. 3679.9	E. 3989.4	
○	Tree		S. 3716.6	E. 3944.9	
△	Sh. Ayer Lelang	191	S. 3697.5	E. 3910.3	
△	P. Batu Puteh		N. 7311.473	E. 35414.523	

Prepared by.....

Checked by.....

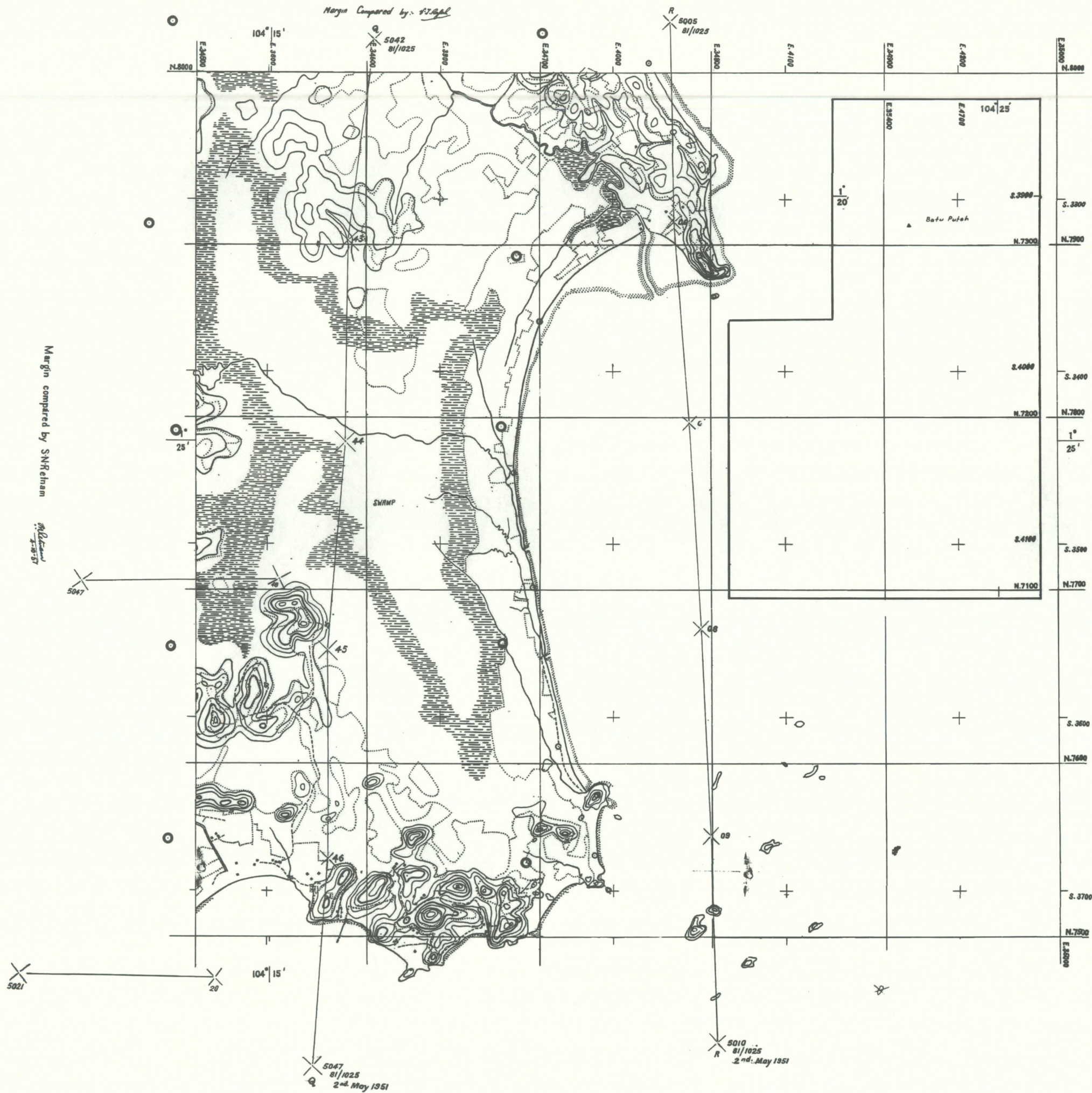
Compiled by.....

Checked by.....

Contoured by.....

Checked by.....

Approved by.....



MAP 31

R.A.F. Aeronautical Chart, Bintan Island

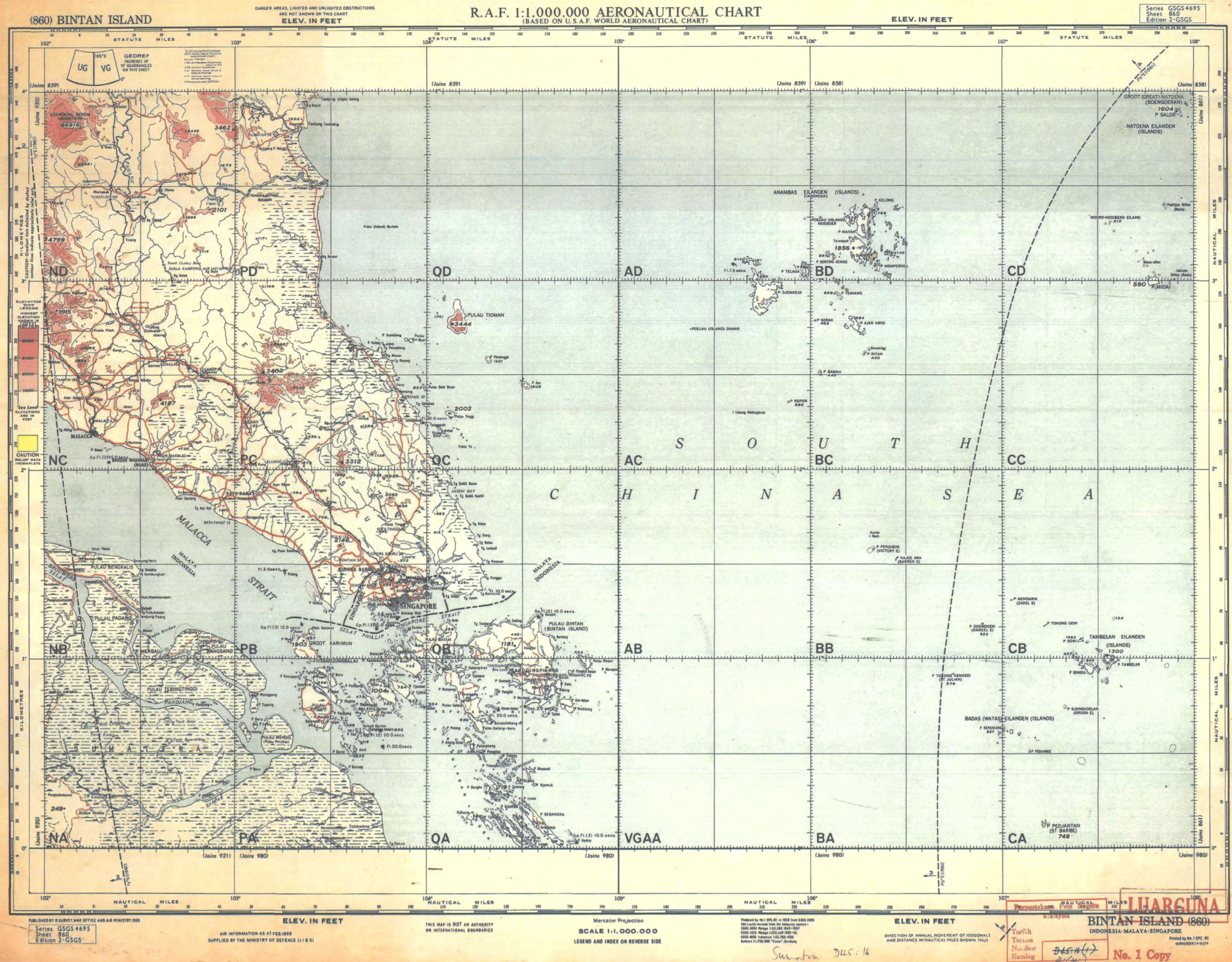
(Based on U.S.A.F. World Aeronautical Chart)

On a scale of 1 : 1,000,000

Indonesia - Malaya - Singapore

Series GSGS 4695, Sheet 860, Edition 2 – GSGS

Published by D. Survey, War Office and Air Ministry, 1959



MAP 32

Pengerang, Malaya

On a scale of 1 : 63,360

Series L 7010, Sheet 135, Edition 1 - SDFM

Published by the Surveyor General, Federation of Malaya, 1962

MALAYA 1:63,360

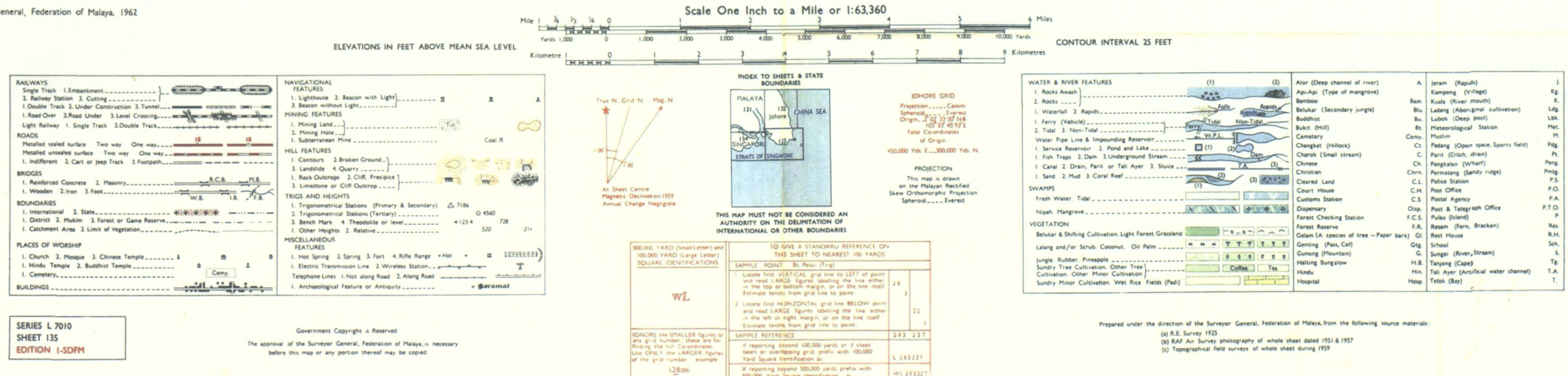
PENGERANG

SERIES L 7010
SHEET 135
EDITION 1-SDFM
SHEET 135



Series L 7010
Published by the Surveyor General, Federation of Malaya, 1962
Edition 1-SDFM

Survey Dept. Federation of Malaya No. 138-1962



MAP 33

Pengerang, Malaya

On a scale of 1 : 63,360

Series L 7010, Sheet 135, Edition 2 - SDFM

Published by the Surveyor General, Federation of Malaya, 1962



- (a) R.E. Survey 1925
- (b) RAF Air Survey photography of whole sheet dated 1951 & 1957
- (c) Topographical field surveys of whole sheet during 1959

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The approval of the Surveyor General, Federation of Malaya, is necessary before this map or any portion thereof may be copied.

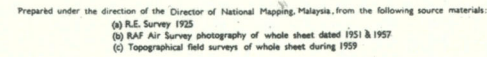
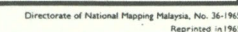
MAP 34

Pengerang, Malaya

On a scale of 1 : 63,360

Series L 7010, Sheet 135, Edition 2 - DNMM

Published by the Director of National Mapping, Malaysia. Reprinted in 1965



MAP 35

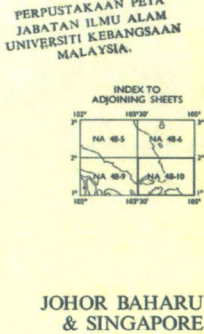
Johor Baharu & Singapore, West Malaysia

On a scale of 1 : 250,000

Series L5010, Sheet NA 48-10, Edition 1 - GSGS

Published by D. Survey, Ministry of Defence United Kingdom, 1967

for the Director of National Mapping, Malaysia and the Chief Surveyor, Singapore



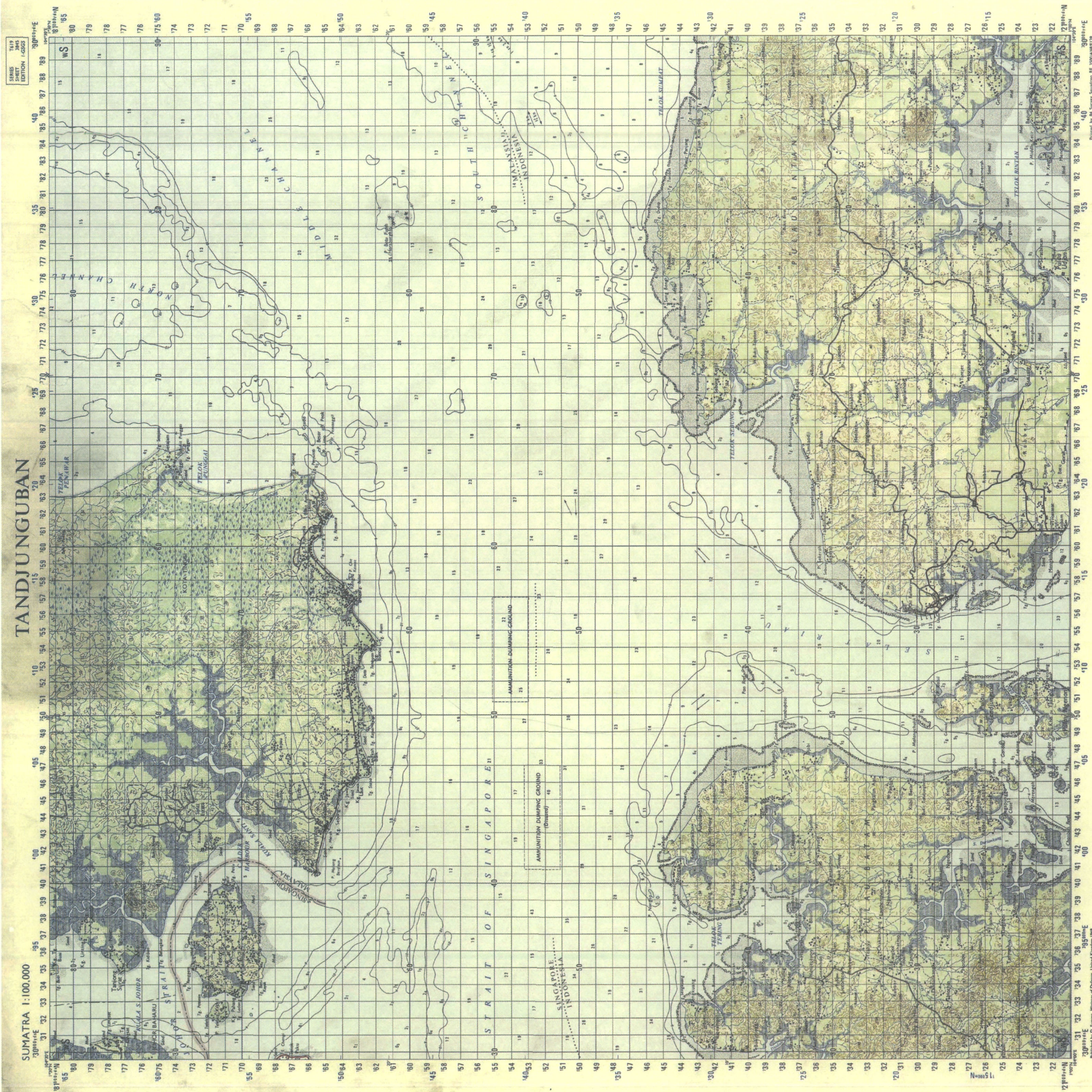
MAP 36

Tandjunguban, Sumatra

On a scale of 1 : 100,000

Series T619, Sheet 3845, Edition 1 - GSGS

Published by D. Survey, Ministry of Defence, United Kingdom, 1968



HISTORY
Prepared under the direction of the Assistant Director of Survey, Far East Land Forces.
Compiled and drawn by 84 Survey Squadron R.E. in 1967 from the following source materials:
Malaya 1:63,360 Series GS55 4203 Edition 1 Sheets 4/1/13 and 4/1/14
Malaya 1:63,360 Series L7010 Edition 1-DN4PM Sheets 134,
Edition 2-DPM Sheets 132 and 135.
Malaya 1:63,360 Series L7010 Edition 1-DN4PM Sheet 131,
Edition 2-DPM Sheet 131,
Imaginary Chart 2403 (with minor corrections to 1964).

INDEX TO BOUNDARIES

The map shows the North Atlantic Ocean with latitude lines at 40°N and 50°N, and longitude lines at 10°W and 20°W. The study area is indicated by a dashed line in the central part of the ocean. Landmasses of North America and Europe are partially visible.

INDEX TO ADJOINING SHEETS

WESTERN CANAL
1. 1000000000
2. 1000000000
3. 1000000000
4. 1000000000

INDEX TO ADJOINING SHEETS

WESTERN CANAL
1. 1000000000
2. 1000000000
3. 1000000000
4. 1000000000

SERIES	T619
SHEET	3845
EDITION	1-GGG

CONTOUR INTERVAL 50 METRES
(SUPPLEMENTARY CONTOURS AT 25 METRE INTERVALS)

LEGEND
The majority of bridges in this sheet are single box.

ROADS:

	All weather, hard surface two or more lanes wide
	All weather, loose or light surface two or more lanes wide
	All weather, hard surface, one lane wide

SAENTIS  RAILWAYS:

Mark. Δ 432 $\odot$ 844 X 792
Unchecked 148 X 148

Primary
Secondary

VEGETATION:
Wood-Brushwood: Scrub
Orchard: Plantation

HYDROGRAPHIC DATUM: HIGH WATER STRINGS

1985 MAGNETIC DECLINATION FOR THE CENTRE OF THE SHEET IS 1° WESTERLY.
MEAN ANNUAL CHANGE NEGIGIBLE

RECTIFIED SKEW ORTHOMORPHIC PROJECTION
 ORIGIN:
 102° 15' EAST OF GREENWICH
 04° 00' NORTH
 DATUM: EASTAID

BLACK NUMBERED LINES INDICATE 1000 YARD RECTIFIED SKEW ORTHORHOMBIC GRID
EVEREST SPHEROID

THE BLUE NUMBERED TICKS INSIDE THE NEATLINE INDICATE THE 1000th UNIVERSAL TRANSVERSE MERIDIAN GRID ZONE OR ENVEST SUPERORDINATE. THE LAST THREE DIGITS OF THE GRID NUMBERS ARE OMITTED. THE TICKS ARE AT A 5.000th INTERVAL.

THIS MAP IS NOT AN AUTHORITY FOR BOUNDARIES

OR TO THE ASSISTANT DIRECTOR OF SURVEY, FAR EAST LAND FORCES.
THE MAP WILL BE REPLACED ON REQUEST.

ELEVATIONS IN METRES

GLOSSARY

secondary administrative

smooth

Year	Primary administrative	Permanent	Discharge
1970	100	100	100
1971	100	100	100
1972	100	100	100
1973	100	100	100
1974	100	100	100
1975	100	100	100
1976	100	100	100
1977	100	100	100
1978	100	100	100
1979	100	100	100
1980	100	100	100
1981	100	100	100
1982	100	100	100
1983	100	100	100
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2056	100	100	100
2057	100	100	100
2058	100	100	100
2059	100	100	100
2060	100	100	100
2061	100	100	100

patch
long, tapering (Fig.)

... (1)

[illegible]

Grid Size Designation 4000	Time to Test the CONventional CAD (min)	Specified grid reference precision is to be achieved after construction of the appropriate grid. 100 ft. 10. Net user	VEI(41) Grid of reference points 100 ft. 10.00 Grid of reference points 100 ft. 10.00 Grid of reference points 100 ft. 10.00
Grid Size Designation 4000	Time to Test the CONventional CAD (min)	Specified grid reference precision is to be achieved after construction of the appropriate grid. 100 ft. 10. Net user	VEI(41) Grid of reference points 100 ft. 10.00 Grid of reference points 100 ft. 10.00 Grid of reference points 100 ft. 10.00

TANDJUNGBAN

MAP 37

Map of Concession Area

Attached as Appendix B to the Petroleum Agreement

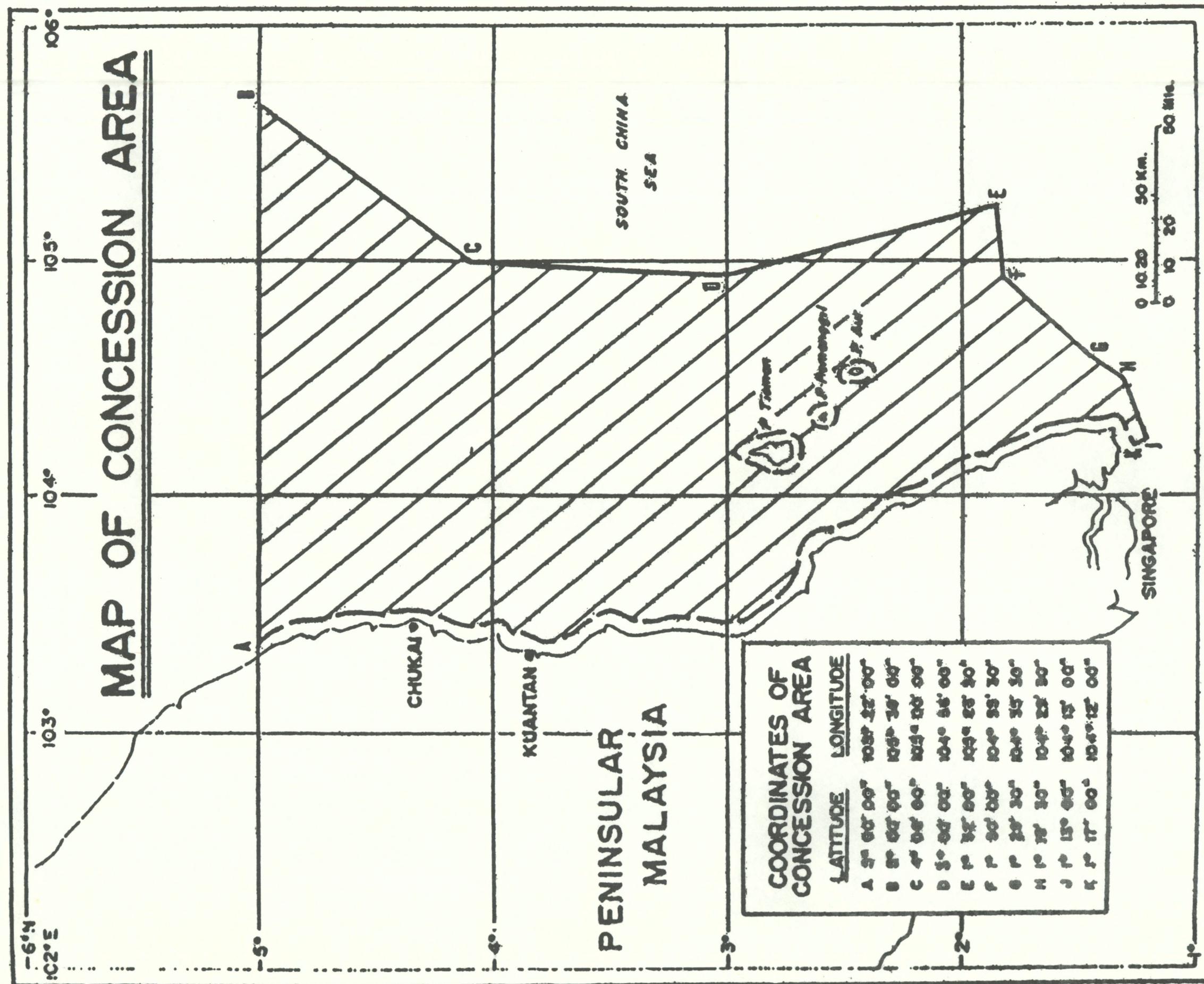
Signed on 16th April 1968

between The Government of Malaysia and Continental Oil Company of Malaysia,

Concerning 24,000 (approximate) square miles of the Continental Shelf

adjacent to the East Coast of West Malaysia

Appendix B



CONCESSION AREA REFERRED TO IN THIS AGREEMENT

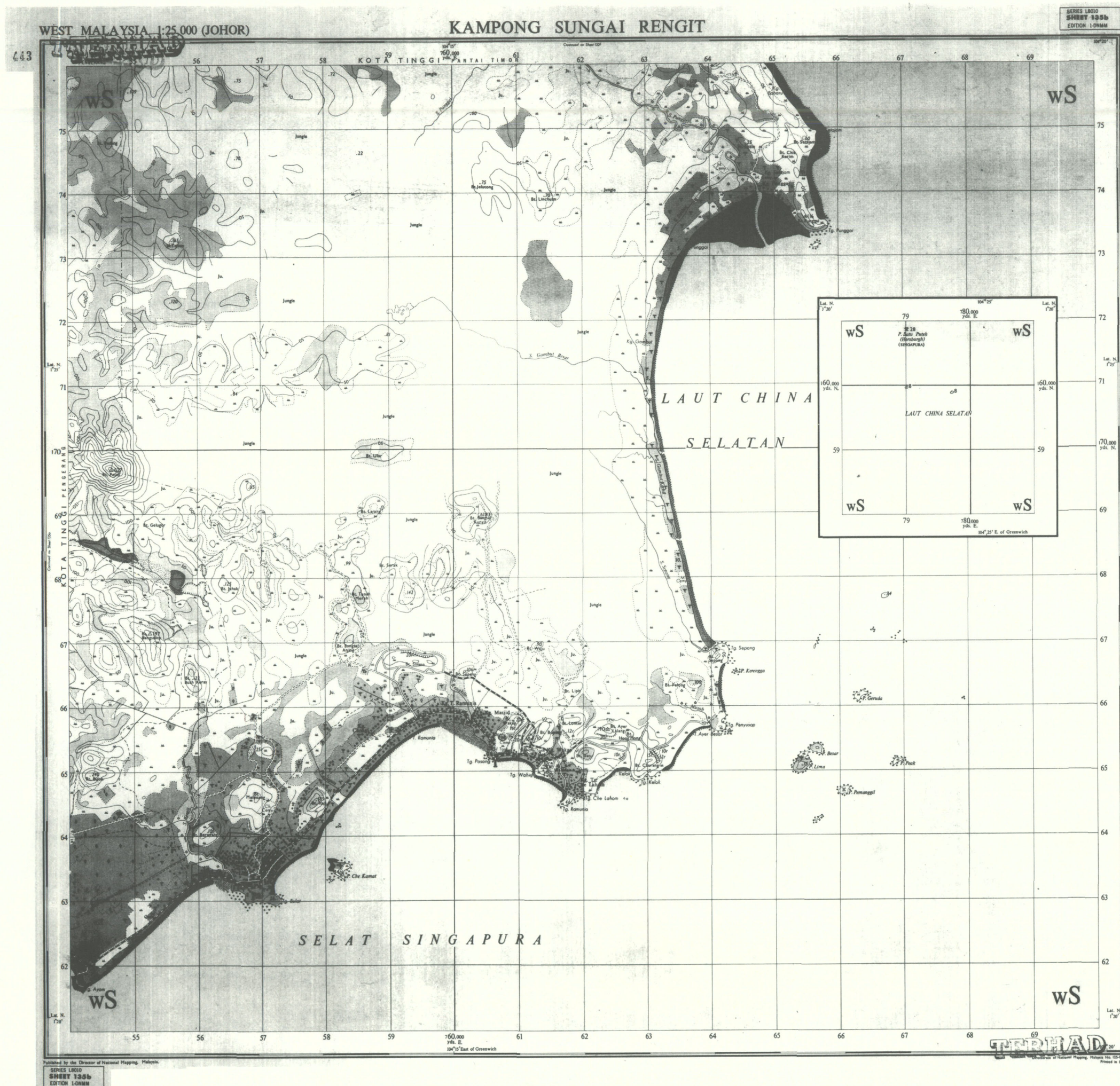
MAP 38

Kampong Sungai Rengit, West Malaysia (Johor)

On a scale of 1 : 25,000

Series L8010, Sheet 135b, Edition 1 - DNMM,

Published by the Director of National Mapping Malaysia, 1970



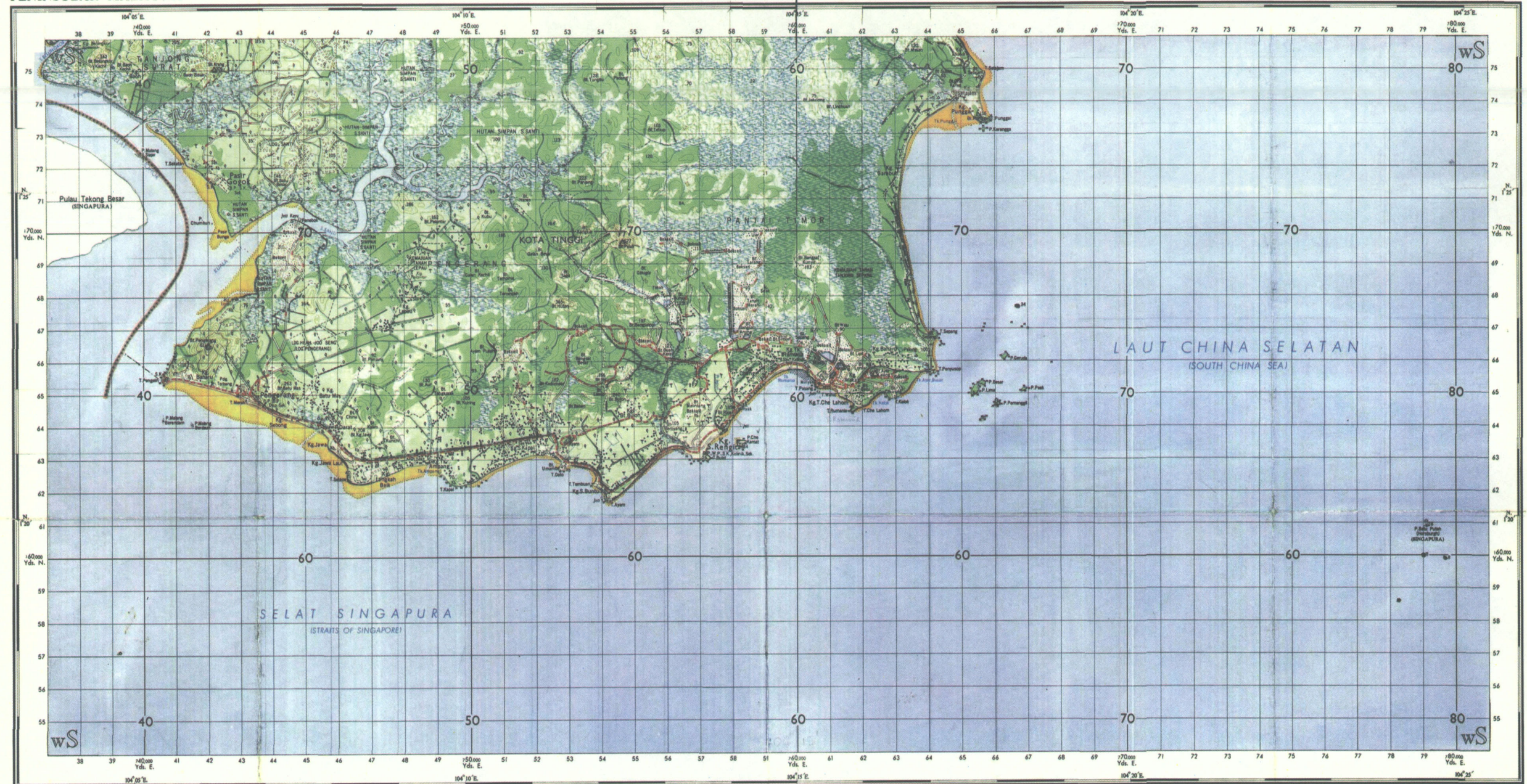
MAP 39

Pengerang, Peninsular Malaysia

On a scale of 1 : 63,360

Series L 7010, Sheet 135, Edition 3 - PPNM

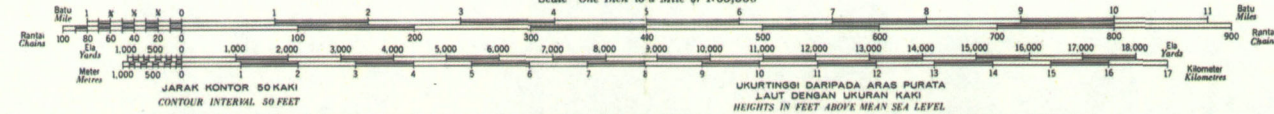
Published by the Director of National Mapping, Malaysia 1974



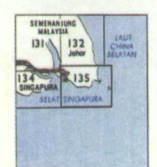
Di-terbitkan oleh Pengarah Pemetaan Negara, Malaysia 1974
Published by the Director of National Mapping, Malaysia 1974

Skil Satu Inci Satu Batu atau 1:63,360
Scale One Inch to a Mile or 1:63,360

Ditetak oleh Jabatanarah Pemetaan Negara, Malaysia 1974
 Printed by the Directorate of National Mapping, Malaysia 1974



PETA PANDU MENUNJUKKAN
SEMPADAN NEGERI,
BAHAGIAN ATAU KERESIDENAN.
INDEX TO SHEETS & STATE,
DIVISION OR RESIDENCY BOUNDARIES.



PETA INI BUKANLAH BUKTI
YANG SAHILAH UNTUK
PERENGGANAN SEMPAIDAN.
THIS MAP IS NOT AN
AUTHORITY ON BOUNDARIES

JALAN KERETAP (RAILWAYS)

1. Berendang
Endahkempas

2. Selayang
Station

3. Selayang
Roc

4. Tanjung
Ceting

5. Lampasa
Rata

6. Kempas

1. Berendang
Single Track

2. Selayang
Jalan Raya

3. Selayang
Jalan Raya

4. Tanjung
Double Track

5. Lampasa
Level Crossing

6. Kempas

1. Berendang
Kereta Api

2. Selayang
Kereta Api

3. Selayang
Kereta Api

4. Tanjung
Kereta Api

5. Lampasa
Kereta Api

6. Kempas
Kereta Api

[illegible][illegible]

Lightness and Permanence Brown with Light

1. Lombong di Mukah Surface Mine	2. Lombong Sum Schellenberg Mine	(1) 	(2) 
3. Teluk Pagar (tan daripada air) Pagar (fisher boat)	2. Pulau Ganyar	(1) 	(2) 
1. Derek Melayu Old Derrick	2. Tembok Wall	3. Pagar Fence	(1) 

BANGUNAN (BUILDINGS)

Bandar dan Kawasan Tersejenuh
Town and Built-up Area

1. Bangunan Garam
Number of Buildings Generalised

2. Rumah Setiaku
Industrial Building

3. Masjid
Mosque

4. Tokong Cina
Chinese Temple

5. Tokong Hindu
Hindu Temple

6. Tokong Nyai
Nyai Temple

7. Tokong Melayu
Malay Temple

8. Tokong Jawa
Jawa Temple

9. Tokong Sunda
Sunda Temple

10. Tokong Bali
Bali Temple

11. Tokong Jawa
Jawa Temple

12. Tokong Sunda
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97. Tokong Bali
Bali Temple

98. Tokong Jawa
Jawa Temple

99. Tokong Sunda
Sunda Temple

100. Tokong Bali
Bali Temple

RUMAH TEMPLE **Buddhist Temple**

RUPAKUKA SUNGAI DAN AIR (RIVER & RIVER FEATURES)

1. Batuan besar River Rock	2. Batukalung River Salangerng	3. Batubuluh River
4. Dua Garisan Sungai Double Line	5. Satu Garisan Single Line	6. Tidak Tenah Fudai-fudai
7. Puncung Tidial	8. Tidak Pang-tual	
9. Lukah Fish Trap	10. Pm (Kerai) Ferry (Fakir)	11. Sungai Underground Stream
12. Air terjun	13. Batubuluh River	14. Javan

Diagram Description: The diagram shows a river system with various features labeled 1 through 14. The river flows from the top right towards the bottom left. Features include rocks, salangerng, different line types, fudai-fudai, pang-tual, fish traps, ferries, underground streams, and batubuluh. The diagram is divided into three sections labeled (1), (2), and (3).

[illegible]

Shoreline	Dryfins	Indefinite	Pier, Wharf	Breakwater	Other
JAMBATAN BRIGGIES			(1)	(2)	
1. Jambatan Bida dan Sisi Mammy Street Bridge		2. Jambatan Kaye Raffles Bridge	(1)	(2)	
1. Pemertang Galassi	2. Toan Footbridge		(1)	(2)	

SEMPADAN (BOUNDARIES)

	(1)	(2)	(3)
1. Antarabangsa International			
2. Bahagian Kedaulatan & Penguasaan Division of <i>Sovereignty</i>			
3. Negeri State			
4. Bahagian atau Kerajaan Division or <i>Government</i>			
5. Daerah District			
6. Daerah Kecil Sub-District			
7. Mukim 2, Perbandaran, Lembaga Bandar atau Daerah Bandar Mukim, <i>Municipal Town Council</i> or <i>Urban District</i>			
8. Semanjan (Jalan, dsb.)			
9. Sempadan Tumbuhan			

Referensi (Point, etc.) Pignation Locusts

RUPAKMA BUKU DAN TITIK KARNAL (RELIEF FEATURES & CONTROL POINTS)

1. Kontor 2. Kontor Tambahan 3. Iars Bentak (1) (2) (3)

Contour Supplementary Contour Form Linen

4. Relu Patah 5. Telonting 6. Tanarunruh 7. Longomastu (4) (5) (6) (7)

Cliff Outcrop Cliff, Precipice Landslide Quarry

8. Sigenin Trigonometri 9. Titik Kaku Airanoran (8) (9)

Trigonometric Station Ancient Point

Tung Sumban: Antebangan dan Naga dengan Nomor Jaka ada International and Star Boundary Pillar with Number of Jakan

1. Relu Araz 2. Toki Dugurung 3. Guter Kaki (1) (2) (3)

TUMBUK-TUMBUKAN DAN PASIR (VEGETATION AND SRAMPS)		Sp. Height (Abundance in feet)		10' 4" 12' 6" 15' 18' 20'	
1. Hutan Rimb. Primary Forest	2. Hutan Pasi Sandy Forest	3. Hutan Pasi Sandy Forest	(1)	(2)	(3)
4. Hutan Buih Rambutan Forest	5. Bakau Mangrove	6. Tanah Nipah			
7. Penebar Pokok Bakau Tanaman Sandy Tree Cultivation	8. Rumput 3. Padang Perumahan Grass Recreation Ground				
9. Kelapa Coconut	10. Kelapa Sawit Oil Palm	11. Getas Rubber			
12. Kaka. 1. Tem.					

Coffee	Cocoa	Tea						
1. Bumbu	2. Belacan	Jeram dan Padi Bakt	3. Nenas					
2. Sagu	3. Belacan	Jeram dan Hill Paki	4. Pampas					
1. Lemakau	2. Tahu	3. Lada						
2. Sagu	3. Lada							
1. Pelaga	2. Tumbuhan Baka	3. Padi Bakt	4. Padi Bakt					
2. Sagu	3. Lada							

J	Joran (Rapids)	50° 42' 00" or 175 miles
Kb	Perkuburan (Cemetery)	
Kg	Kampung (Village)	
K	Kuala (River mouth)	
Lb	Ladang (Estate, Agricultural Cultivation)	
Pg	Padang (Open space, sports field)	
Pt	Pont (Dock, Drain)	
P.D	Papal Daerah (District Office)	
P.P	Papal Pos (Post Office)	

Pada Puncak Syat
Substansi Magnet 1976
Perubahan Tahunan Data Napier

At Sheet Corner
Magnetic Deviation 1976
Annual Change Negligible

P.T.	Poskod Pos dan Telegram (Post & Telegraph Office)	
Peng.	Pengaliran (<i>Flow</i>)	
Ping.	Pematang (<i>Sandy ridge</i>)	
P.	Pulau (<i>Island</i>)	
R.P.	Rumah Perhentian (<i>Halang Bengelau</i>)	UNJURAN
R.R.	Rumah Rantai (<i>Rail House</i>)	Peta ini telah dicetak di atas Unjuran Benbolahan Sempang (Singapore, Malay)
S.	Sekolah (<i>School</i>)	PROJEKSI
S.K.	Stesen Kajuaja (<i>Meteorological Station</i>)	This map is compiled on the

X	Stasiun Kastam (Custom Station)	Malayan Rectified Spheroidal Orthomorphic Projection
5	Sungai (River, Stream)	
7a	Taliar (Artificial water channel)	GRID
7b	Tanjung (Cape)	Grid Bertukarman Senang Ditengah (Easy to Change)
7c	Teluk (Bay)	GRID
8	Wakil Pos (Postal Agency)	Rectified Spheroidal Orthomorphic Grid (Yard)

500.000 ELA (Mund Kecil dan 100.000 ELA (Mund Besar) TANDA-TANDA SEGEMPAT	CARA MEMBERI RUJUKAN PETA DIATAS SYOT INI SEMAK TO GIVE A STANDARD REFERENCE ON THIS MAP TO NE TITIK CONTOH (SAMPLE POINT) Di Pekan 
---	---

**SOLUZIONI TARDISSIMO (Large Letter)
100000 YARDS (Large Letter)
SQUARE IDENTIFICATIONS**

1. Linea di partenza griglia PUGAN di sebelah kiri tertera, dan
dari titik di papan atau PUGAN angka yang BESAR yang terlihat
pada grida di Taksiran terapan pada sebuah papan grida
berikut.

2. Linea di VERTICAL grida di LEBAT di bagian atas dan
LARGE figures labelling the line either in the top or bottom margin
or on the line itself. Estimate results from grid line to point:

WS

3. Linea di bagian grida UPRON DI BAWAH tertera dan
dari titik di papan atau PUGAN angka yang BESAR yang terlihat
pada grida di Taksiran terapan pada sebuah papan grida
berikut.

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pembagian. Dengan demikian, jumlah
pembagian angka angka BESAR
SAMAJA. Contoh
JENJIR, the SMALLER figures of any
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full dimension of the end, and a smaller

example:	760,000	(average) 500,000 via support If reporting beyond 500,000 yards profits with 500,000 Yard Square identification at:
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MAP 40

Indonesia-Singapore Territorial Sea Boundary

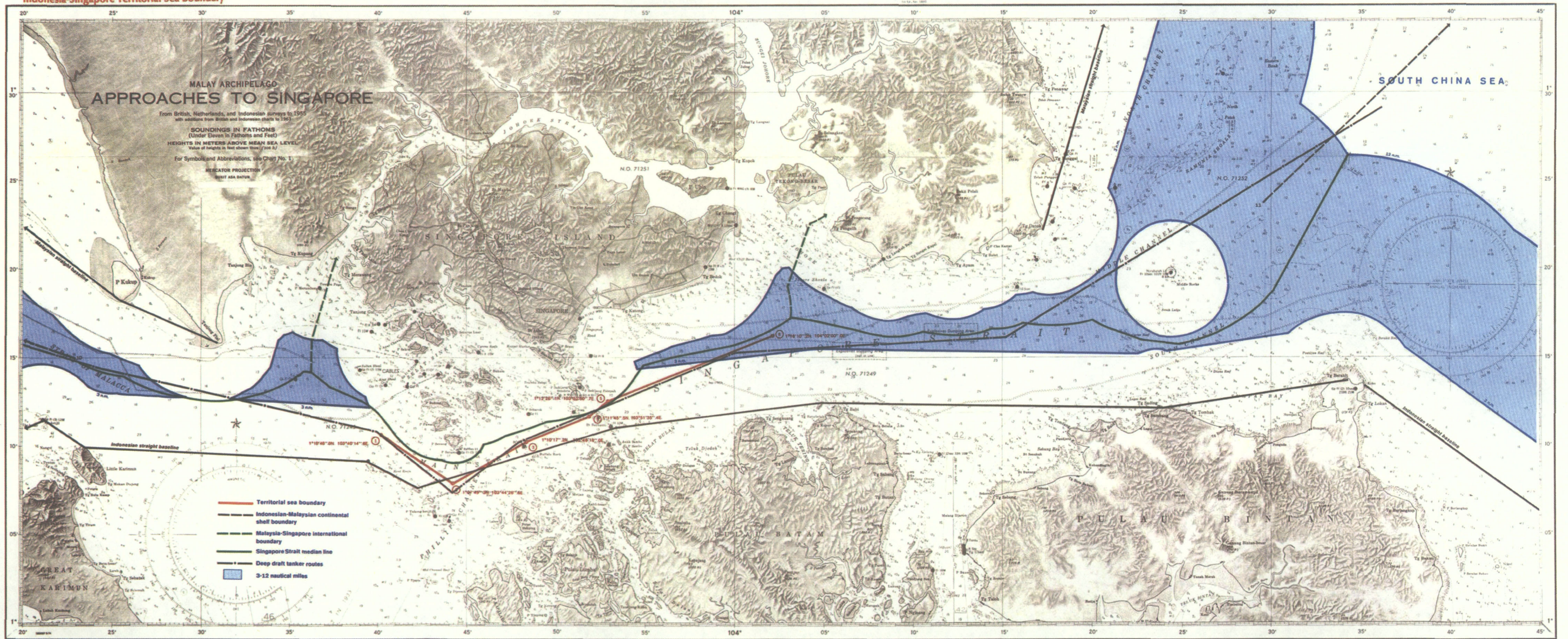
The chart attached to U. S. Department of State, Limits in the Seas No. 60, 1974

Depicting the agreed Indonesia-Singapore Territorial Sea Boundary of 1973,

the agreed Malaysia-Indonesia Continental Shelf Boundary of 1969 and

what is described as a Malaysia-Singapore International Boundary

Indonesia-Singapore Territorial Sea Boundary



MAP 41

Pengerang, Peninsular Malaysia

On a scale of 1 : 63,360

Series L 7010, Sheet 135, Edition 4 - PPNM

Published by the Director of National Mapping, Malaysia 1975

SEMANJUNG MALAYSIA 1:63,360
PENINSULAR MALAYSIA

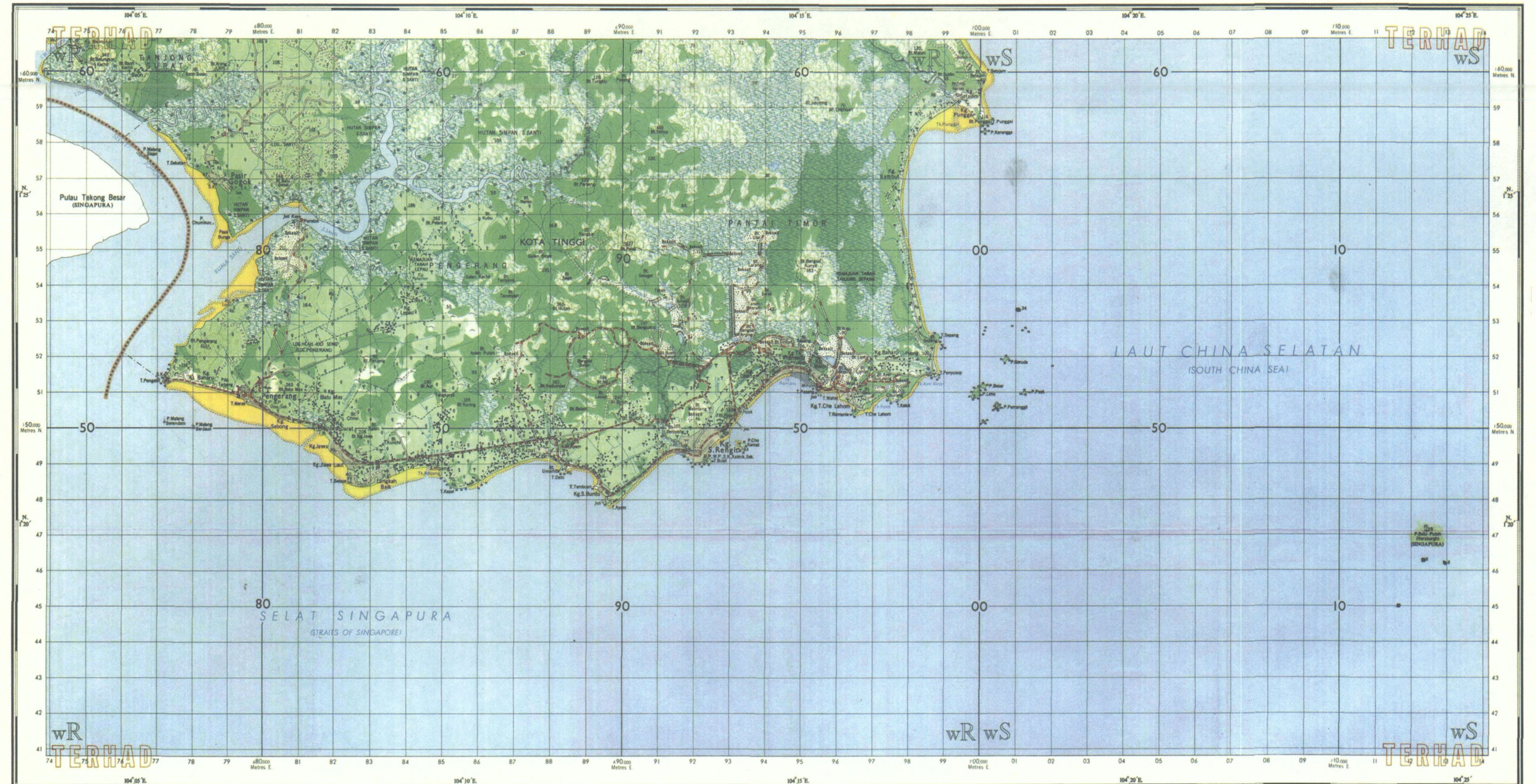
GRID BBST (METER)
RSO GRID (METRES)

PENGERANG

TERHAD-RESTRICTED

Siri L7010
Series
Cetakan 4-PPNM
Edition

SYIT (SHEET) 135



Diberbitkan oleh Pengerang Pemetaan Negara, Malaysia 1975
Published by the Director of National Mapping, Malaysia 1975

Skala Satu Inchi Satu Batu atau 1:63,360
Scale One Inch to a Mile or 1:63,360

Ditulis dan Jilidkan oleh Pengerang Pemetaan Negara, Malaysia 1975
Printed by the Director of National Mapping, Malaysia 1975

PETA PANDU MENJUALKAN
BAGIAN-BAGIAN NEGERI
INDEX TO SHEETS & STATE
DIVISION OR RESIDENCY BOUNDARIES



PETA IN BUKANLAH BUKTI
YANG BAHARU BUKTI
PENGHUBUNGAN BEMPANGAN
THIS MAP IS NOT A
AUTHORITY ON BOUNDARIES

PERHATIAN KHALAYAK
Maklumat ini adalah untuk
kegunaan umum sahaja
RELIABILITY NOTE
Map information is for
general use only

JALAN KERETA (RAILWAYS)	JALAN (ROADS)	RUMAH RUMAH DAN PELANGGAN BANGUNAN (BUILDINGS)	SEWILAH (BOUNDARIES)
1. Bersempitan 2. Bersempitan 3. Bersempitan 4. Bersempitan	1. Jalan 2. Jalan 3. Jalan 4. Jalan	1. Rumah 2. Rumah 3. Rumah 4. Rumah	1. Sewilah 2. Sewilah 3. Sewilah 4. Sewilah
5. Bersempitan 6. Bersempitan 7. Bersempitan 8. Bersempitan	9. Jalan 10. Jalan 11. Jalan 12. Jalan	13. Rumah 14. Rumah 15. Rumah 16. Rumah	17. Sewilah 18. Sewilah 19. Sewilah 20. Sewilah

PERKILAH (WATER)	PERKILAH (WATER)	PERKILAH (WATER)	PERKILAH (WATER)
1. Perkilah 2. Perkilah 3. Perkilah 4. Perkilah	5. Perkilah 6. Perkilah 7. Perkilah 8. Perkilah	9. Perkilah 10. Perkilah 11. Perkilah 12. Perkilah	13. Perkilah 14. Perkilah 15. Perkilah 16. Perkilah
17. Perkilah 18. Perkilah 19. Perkilah 20. Perkilah	21. Perkilah 22. Perkilah 23. Perkilah 24. Perkilah	25. Perkilah 26. Perkilah 27. Perkilah 28. Perkilah	29. Perkilah 30. Perkilah 31. Perkilah 32. Perkilah

PERKILAH (WATER)	PERKILAH (WATER)	PERKILAH (WATER)	PERKILAH (WATER)
1. Perkilah 2. Perkilah 3. Perkilah 4. Perkilah	5. Perkilah 6. Perkilah 7. Perkilah 8. Perkilah	9. Perkilah 10. Perkilah 11. Perkilah 12. Perkilah	13. Perkilah 14. Perkilah 15. Perkilah 16. Perkilah
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PERKILAH (WATER)	PERKILAH (WATER)	PERKILAH (WATER)	PERKILAH (WATER)
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PERKILAH (WATER)	PERKILAH (WATER)	PERKILAH (WATER)	PERKILAH (WATER)
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PERKILAH (WATER)	PERKILAH (WATER)	PERKILAH (WATER)	PERKILAH (WATER)
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Siri L7010
Series
Cetakan 4-PPNM
Edition

SYIT (SHEET) 135

TERHAD-RESTRICTED

PENGERANG

MAP 42

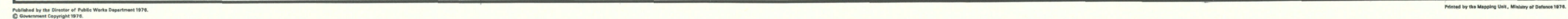
Sheet 10, Locality Map, Singapore

On a scale of 1 : 75,000

Index map to the Geological Map of Singapore

Published by the Director of Public Works Department 1976

Printed by the Mapping Unit, Ministry of Defence 1976



MAP 43

Topographical Map of Singapore

On a scale of 1 : 50,000

Series SMU 075, Edition 2, Published by the Officer Commanding

Mapping Branch, Ministry of Defence, Singapore 1978



SINGAPORE 1:50,000
TOPOGRAPHICAL MAP



SINGAPORE

ABBREVIATIONS

Railway	Rail	Highway	Highway
Canal	Canal	Canal	Canal
...	...	...	...

LEGEND

CULTURAL FEATURES

- Monument, statue, obelisk, etc.
- Public building, church, mosque, etc.
- ...

RELIEF AND CONTROL

- Contour, benchmark, etc.
- ...

VEGETATION

- Forest, jungle, etc.
- ...

WATER FEATURES

- Harbour, river, etc.
- ...

CONTOUR INTERVAL 20 METRES SUPPLEMENTARY CONTOURS AT 5 METRES AND 10 METRES ABOVE MEAN SEA LEVEL

PROJECTION
Cassini-Soldner Rectangular Projection
Spheroid: Clarke
Datum: 1958
...

Scale
1:50,000

Map Information
This map is NOT an authority on international or other boundaries.
Compiled by the Mapping Unit from the following:
(a) Air photography of Singapore 1971
(b) Series 1:50,000
(c) Series 1:63,000 sheets 3745, 3845 edition 1 0865
(d) Field revision of map details in Singapore and 1973
(e) Standing data in water from Hydrographic Dept. 1973
(f) Partial revision from an oblique 1973

NEED CORRECTIONS TO THIS MAP TO SEND BY POST TO THE MAPS UNIT, MINISTRY OF DEFENCE, SINGAPORE.

MAP 44

Sheet 1, Malaysia, Edition 1-PPNM

On a natural scale of 1 : 1,500,000 (At Lat. N. 5° 30')

Map showing territorial waters and continental shelf boundaries of Malaysia

Published by the Director of National Mapping, Malaysia 1979

Skel Semulajadi 1:1,500,000 (Di Garis Lintang U. 5° 30')
Natural Scale 1:1,500,000 (At Lat. N. 5° 30')

TIDAK SESUAI UNTUK PANDUARAH

MALAYSIA

Rampasan 97
Muka
Cetakan 1:PPNM
Edisi
SYIT (SHEET) 1



Dipersembahkan oleh Pengerusi Peta Negeri, Malaysia 1979
Published by the Director of National Mapping, Malaysia 1979

Rampasan 97
Muka
Cetakan 1:PPNM
Edisi
SYIT (SHEET) 1

Projections - Mercator
Soundings in Fathoms

Scale 1:1,500,000
The general direction of the boundary line is shown by a dashed line. The actual boundary line is shown by a solid line. The boundary line is shown by a solid line. The boundary line is shown by a solid line.

Dipersembahkan oleh Pengerusi Peta Negeri, Malaysia 1979
Published by the Director of National Mapping, Malaysia 1979

Rampasan 97
Muka
Cetakan 1:PPNM
Edisi
SYIT (SHEET) 1

MAP 45

Topographical Map of Singapore

On a scale of 1 : 50,000

Series SMU 075, Edition 4

Published by Mapping Unit, Ministry of Defence, Singapore 1987



MAP 46

Topographical Map of Singapore

On a scale of Series 1 : 50,000

SMU 075, Edition 5

Published by the SO Publication, Ministry of Defence, Singapore 1993



SINGAPORE

ABBREVIATIONS

Public	Public	Public	Public
Building	Building	Building	Building
...	...	...	...

LEGEND

CULTURAL FEATURES

- Religious buildings
- Public buildings
- ...

RELIEF AND CONTROL

- Contours
- ...

VEGETATION

- Forest
- ...

WATER FEATURES

- Rivers
- ...

Scale

Scale 1:50,000

Scale bar showing distances in kilometers and miles.

MAP 47

Joint Operations Graphic

Singapore, Malaysia; Indonesia

On a scale of 1 : 250,000

Series 1501, Sheet NA 48-10, Edition 5-GSGS,

Produced under the direction of the Director General of Military Survey,

Ministry of Defence, United Kingdom 1994



MAP 48

Map of Singapore

On a scale of 1 : 160,000

Published by Ministry of Information and the Arts, Singapore 1995

