

A MIMA PUBLICATION

Vivian L Forbes & Mohd Nizam Basiron

Contents

Title Page
Foreword
About MIMA
About the Atlas
Acknowledgments
List of Contents
List of Illustrations

List of Contents

PART ONE

Mapping Marine Resources
Defining Maritime Jurisdictional Limits and Space
Malaysia’s Legal Continental Margin
Coastline of Malaysia

PART TWO

Maritime Jurisdictional Limits: Commentary and Maps
Location Index
Malaysia’s Actual and Potential Maritime Boundaries
Maritime Limits in the vicinity of Pulau Langkawi
Maritime Limits in the Northern sector of Malacca Strait
Maritime Limits in the Southern sector of Malacca Strait
Maritime Limits in the Western Approaches to the Straits of Singapore
Maritime Limits in Straits of Johor and Singapore
Maritime Limits in the Eastern Approaches to the Straits of Singapore
Maritime Limits off Peninsular Malaysia in the South-western sector of the South China Sea
Maritime Limits off Peninsular Malaysia in the North-western sector of the South China Sea
Delimitation of an Agreed Common Area and a Joint Development Area
Maritime Limits south of Vanguard Bank, South China Sea
Maritime Limits in the vicinity of the Southern Spratly Archipelago
Maritime Limits off the coasts of Brunei, Sabah and Sarawak
Maritime Limits off the coast Sarawak (western region)
Maritime Limits in Balabac Strait
Maritime Limits off the East coast of Sabah

PART THREE

Geographical Setting and Ocean Basin Environment : Commentary and Maps
Satellite Image of the Sunda Shelf and Adjacent Seas
Limiting Lines of the Seas and Straits Adjacent to Malaysia
Seabed Type
Coastal Types in Peninsular Malaysia, Sabah and Sarawak
Predominant Wind Pattern and Airflow over Malaysia
Prevailing Wind pattern: February and August
Sea-surface Temperature: January
Sea-surface Temperature: July
Barometric Pressure: January
Barometric Pressure: July
Sea-surface Ocean Currents: January
Sea-surface Ocean Currents: July
Wind Roses for Coastal Stations: Peninsular Malaysia
Wind Roses for Coastal stations: Sabah and Sarawak
Tidal regime Along the Malaysian Littoral Zone
Highest and Lowest Tidal Levels at Standard Ports

PART FOUR

Traffic Monitoring and Maritime Safety: Commentary and Maps
Air Traffic System in Malaysian and Adjacent Waters
Flight Paths and Major Airports of Malaysia
Defined Corridors for Malaysian-Flagged Ships within
Indonesia’s Archipelagic Waters
Submarine cables for Domestic and International Transmission
Marine Electronic Highway and VTIS
Malacca Strait: Average Daily Traffic Density
Safety to Navigation in the Malacca Strait
Maritime Districts of the MMEA

PART FIVE

Marine parks, Protected Zones and Marine Resources: Commentary and Maps
Protected Zone around Johor Islands (Groups One and Two)
Protected Zones around Pulau Perhentian Group and Pulau
Seri Buat and Pulau Sembilang
Protected Zones around Pulau Payar Group and Pulau Tioman Group
Protected Zone around Pulau Redang Group; Marine Park in Labuan Group
Area of Concern: Threat of Pollution to Coastal zone

Tracking Oil-slick Transcending International Boundaries
 Sewage Discharge and Biochemical Oxygen Demand (2000 - 2005)
 Vulnerable Marine Ecosystems Seagrass Bed
 Vulnerable Marine Ecosystems- Mangrove Forest and Coral Islands
 Commercial Fishing Ports and Fishery Infrastructure
 Known Turtle Nesting Sites
 Offshore Exploration Tenement Blocks: Peninsula Malaysia
 Offshore Exploration Tenement Blocks: Sabah and Sarawak
 Tenement Holders and Operators
 Joint Development Area: Malaysia and Thailand
 Tectonic Structure of Seabed Offshore Sabah and Sarawak
 Schematic Portrayals of Lateral and Vertical Maritime Jurisdictional Zones

PART SIX

Major Commercial Ports of Malaysia, Sea lanes : Commentary and Maps

Ports of Telok Ewa and Langkawi (Kuah Port)
 Butterworth Deep-water Wharves and Pinang Port
 The Three Ports of Klang
 Port Klang South Port
 Port Klang North Port and Port Klang West Port
 Tanjong Bruas and Anchorage, Malacca
 Pasir Gudang, Johor
 Kuantan Port; Kuching Port- Pending Centre; Biawak Centre
 Kemaman Port, Kota Kinabalu Port
 Bintulu Port and Bintulu Fishing Port
 Labuan Port
 Port of Tanjong Pelepas, Johor
 Prescribed Sea lanes to Ports of Sabah
 Indonesia's Archipelagic Baselines (revised in 2002) and Archipelagic Sea Lanes

List of Illustrations

1	Kelantan map extract	RF 1: 190,080
2	Sungai Pulai map extract	RF 1: 63,360
3	BA Chart 1781 extract	RF 1: 25 000
4	MAL Chart 515 extract	RF 1: 200 000
5	VTC Darwin extract	RF 1: 250 000
6	Semerah map extract	RF 1: 25 000
7	Maritime boundaries between States with opposing coastlines	
8	Jurisdictional Limits of a Coastal State	
9	Straight base line system	
10	Variations of bay-closing lines	
11	Determining a maritime boundary between States	

with adjacent coastlines.

- 12 A diagrammatic profile of the seabed
- 13 Geomorphic and Geologic margins
- 14 Determining the outer limit of the Legal Continental shelf

PART SEVEN

Glossary of Malay Words

PART 8

Plates

PART NINE

Appendices

Appendix I	Articles of the 1982 Convention Pertaining to International Jurisdictional Maritime Limits
Appendix II	Primary Documents Relating to Maritime Boundary Delimitation
Appendix III	Maritime Heritage and Cession of Territory
Appendix IV	Malaysia as Party to Conventions and Treaties
Appendix V	Vessel Traffic Information System in the Straits of Malacca and Singapore
Appendix VI	Oil Spills: Contingency Plans and Events off the Malaysian coast

Bibliography

About the Authors