

SAIL MALAYSIA RALLY: CRUISING NOTES FOR YACHTS

A Guide to Sailing in Malaysia from Langkawi to Tawau (via Singapore, the Anambas/Natuna Islands and Brunei Darussalam)

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INTRODUCTION

The Purpose and Limits of this Guide

This Guide started as an informal collation of information by rally participants. The data presented is very far from comprehensive and is intended merely to complement other sources. These include digital and paper charts, published yacht cruising guides/pilots and tourist guidebooks.

The Guide includes waypoints to be used with the Global Positioning System (GPS). For those unfamiliar with latitudes and longitudes, there is a brief introduction in Appendix I.

There are few published sailing guides for yachts in Malaysian waters. The *Cruising Guide to South East Asia, Volumes I & II* by Davies & Morgan, published by Imray, Laurie Norie & Wilson, have insufficient detail for many destinations in Malaysia. But the Royal Cruising Club Pilotage Foundation's *South China Sea* by Jo Winter (2019), also published by Imray, Laurie Norie & Wilson, is recommended. The *South East Asia Pilot*, Dowden & O'Leary, Image Asia, (2013) was originally published as the *Andaman Sea Pilot* and dealt principally with the waters off Western Thailand. It has now been much expanded and has good coverage of the Malacca Straits and for much of the east coast of the Peninsula. Future editions will doubtless have better information on Malaysian Borneo.

Some published sailing guides expend far too many words describing what should be clearly evident from paper or electronic charts. In this Guide the intention is not to duplicate charted information. Where the published nautical charts have been found in error, or where new developments remain uncharted, this data will be incorporated in to the Guide as it becomes available. **Listed GPS waypoints should be treated with grave suspicion in this and every Pilot and Yacht Cruising Guide.**

Whilst every effort has been made to ensure that the information offered is accurate, errors are inevitable and there are certainly significant omissions. In some areas of Malaysia, things are changing so fast that they have likely outpaced all attempts to report them.

These Notes are a work in progress. A string of asterixes ********* means that it's believed that significant information is missing. Additional information, corrections and comments are always very welcome. Please send your contributions to Sail Malaysia at sailmalaysialife@gmail.com All contributors will be acknowledged in future editions of this Guide.

Monsoon Sailing

The weather in Malaysian waters is dominated by the monsoons. The south-west monsoon begins in May/June and continues to October/November. The north-east monsoon begins in November/December and continues to April/May. There are transitional periods between the monsoons which the Singapore meteorological office refers to as "No persistent significant condition". The monsoons may be strong, moderate, or, most commonly, weak.

The Passage to Langkawi Yacht Rally sails from near Johor Bahru (just north of Singapore) in November. After arriving in Langkawi the rally fleet has the sheltered western coasts of peninsula Malaysia and Thailand to explore during the dry north-east monsoon season. Many stay on for the south-west season, which has more rainfall but there are plenty of safe anchorages and marina berths. The Passage to the East sails from Langkawi in April and heads north to the eastern shore of peninsula Malaysia in early May – crossing to Borneo in June and finishing at Tawau in August. The east coast of the Malaysian peninsula

and Malaysian Borneo are best cruised in the south-west monsoon season. In the northeast season the South China Sea can be rough and shallow river entrances become dangerous as the prevailing winds are onshore throughout Malaysian Borneo and on the east coast of the peninsular. The the north-east monsoon used to be called “Musim Tutup Kuala” or “Closed River Mouth”. And it rains. Floods are routine.

North of Langkawi, and north of Malaysian Borneo, the winds tend to be stronger and more consistent as both areas are on the edge of the tradewinds belt. Sabah was once known as ‘The Land Below the Wind’. North of Borneo there are frequent typhoons, generally north of 09 degrees north. They can occur year round, but are most common in the south-west monsoon season. Fortunately they rarely affect Malaysian waters.

As air heats up over land during the day, it rises to be replaced by cooler air from over the sea. These sea breezes can reinforce either monsoon to create excellent sailing winds, or, just as often, work against the monsoon to generate unexpected calms.

Thunderstorms are common, and sometimes violent. A black squall line (or heavy smudge on the radar) might indicate the imminent arrival of a light shower, or sometimes winds of 50 knots or more with spectacular lightning and blinding, torrential rain. Fortunately these events are short lived and rarely last more than an hour. Seas have no time to build, although when a powerful squall meets a strong contrary tidal current, conditions can quickly become very unpleasant.

When a thunderstorm approaches, many yacht crews put valuable computers and cameras in the oven (or any convenient metal box) and disconnect as many electronic devices as possible. There are whole books written on the subject of protecting yachts from lightning. Even the best prepared can be struck.

In some areas, notably anchorages off the islands of Langkawi, Tioman and Redang, there can be fierce katabatic winds from high cliffs and peaks. These are seldom dangerous, but can cause anchors to drag if they are not set properly.

Weather forecasting is an inexact science, especially for areas so close to the equator. The Malaysian Met. Office has marine forecasts at www.met.gov.my/web/metmalaysia/forecasts/marine/fishery See also www.met.gov.my/web/metmalaysia/observations/radar/malaysia for current rainfall. The Singapore Met. Office marine forecasts are recommended: <http://www.weather.gov.sg/weather-marine-shipping-bulletin> The website www.windyty.com/ has excellent weather forecast data based on grib files.

Radar and Radio

As mentioned above, radar is useful to see squalls at night. It is also very helpful in trying to work out what the fishermen are up to. Wooden fishing boats show up poorly on radar, but on short ranges even small open boats should be visible. A likely confusing confection of flashing lights and fluorescent tubes can then be accurately tracked. Sometimes fishing boats try to save their batteries by turning off their lights, only turning them on as another vessel approaches. Radar gives at least some warning of a fishing boat in stealth mode.

All vessels underway are required to monitor Very High Frequency (VHF) radio Channel 16, which is supposed to be restricted to calling and emergency traffic. Rally yachts often monitor VHF Channels 72 or 74 to keep in touch with each other. VHF radios are short range, limited to about 25 miles between yachts. Many yachts have long-range High Frequency/Single Sideband (HF/SSB) radios that can also send

and receive emails when connected to a computer and a specialised modem. For more information on HF/SSB frequencies and services in the area covered by this Guide, see www.bruneibay.net/bbradio/

Charts and Satellite Photographs

Terry Sargent on the yacht *Valhalla* collects and edits navigational data for those sailing in South East Asia. Those familiar with the OpenCPN program will find his data particularly useful. See Terry's latest at <http://yachtvalhalla.net/navigation/terrystopics.htm>

Security in the Melaka (Malacca) Straits

There hasn't been an attack on a yacht in Malaysian waters for a very long time. But there have been many recent incidents involving commercial shipping, especially near Singapore and between Tioman Island, Singapore and the Indonesian Anambas Islands. In most cases the motive is simple robbery, with the victims left poorer but unharmed.

In the Melaka Straits in recent years there have been a few incidents of rally yachts taking fright as local boats have zoomed up alongside. Often the local crews were wearing balaclavas and seemed menacing. In every case they were innocent. Fishermen often wear black balaclavas and what look like 'military' fatigues to prevent getting sunburnt in their open boats. They will often approach to try and sell fish. Sometimes they request beer, to which a recommended response is to offer bottled water. On one occasion a disreputable-looking crew on a villainous-looking vessel went out of their way to warn a small group of yachts that they were heading into very shallow water. It's said that fishing boats will sometimes steer close to try and persuade their bad luck to jump ship. Or maybe they are just interested in these exotic looking vessels and want to have a closer look. In any event, don't panic.

Sailing in Eastern Sabah

The waters of Sabah ought to be renowned as one of the world's finest yacht-cruising areas.

Sadly there have been recent attacks by armed intruders from the Philippines, in an area centred on the town of Semporna. In the first quarter of 2014 there were four night incursions, in each case leading to kidnappings. The victims were then rushed to the Philippines on fast speedboats to be held for ransom. Although the numbers are tiny, the impact on Sabah's tourism industry has been profound. Yacht crews are vulnerable.

In response, the government of Malaysia created ESSCOM (Eastern Sabah Security Command) and heavily fortified military and police forces in the area. In July 2014 ESSCOM also enforced a curfew, making it illegal for any vessel to be underway more than three miles offshore in Malaysian waters between Kudat and Tawau, between the hours of 19.00 and 05.00. This curfew was still force in March 2018.

ESSCOM took extraordinary measures to ensure the safety of yachts on the 2014-2018 Sail Malaysia Rallies, from Kudat to Tawau. Reconnaissance aircraft and drones watched from above, while Maritime Police (Polis Maritim) and Coast Guard (Maritim Malaysia) patrol boats were in continuous close escort. Other escort vessels shadowed the fleet from afar. Yachts on the rally were required to travel together in close convoy, to maintain radio contact with their escorts and to anchor overnight as a group. Rally yachts travelling under ESSCOM escort did their best to help by organising night watches, the idea being that

escort vessels could be contacted if anything untoward was seen or heard. Should a yacht have broken down, others were ready and willing to take her under tow and so keep up with the fleet. Regrettably, on several occasions yachts have broken away from the main fleet. ESSCOM then suddenly had multiple fleets to protect and defend. Plans and arrangements were disrupted and the workload of the security services greatly increased. **ESSCOM has made it clear that yachts breaking away will not be tolerated and they risk serious penalties.**

Yachts are permitted to travel independently, but are strongly encouraged to join the main rally fleet. If travelling independently, ESSCOM requires visiting yachts to submit a planned route and schedule. For additional details, see Section 10.7: Sailing Between Kudat and Tawau

On 21st September 2015, three foreign yachtsmen and one Filipina were abducted at the Ocean View Marina in Davao by ten gunmen from the fundamentalist al Qaeda-linked Islamic terrorist group Abu Sayyaf (“Bearer of the Sword”). It is probable that yachts at the Ocean View Marina were targeted because Abu Sayyaf were unable to penetrate ESSCOM’s defences. Abu Sayyaf subsequently demanded over US\$ 20 million for the safe release of each foreign hostage. When ransoms were not forthcoming, two hostages, both Canadian citizens, were beheaded. The Filipina was released unharmed in June 2016 and the fourth hostage, a Norwegian citizen, was released in September 2016. It is unclear whether ransoms were paid for their release. There were several other abductions of crews from commercial ships. Two Indonesian fishermen were abducted from their boat near Pulau Gaya in September 2018. Three Indonesian fishermen were abducted from their boat near Pulau Tambisan in September 2019.

In November 2016 a German yacht proceeding independently in the Sulu Sea was intercepted by Abu Sayyaf. One crew member was shot dead on board when she resisted the attack. Her husband was abducted and held for ransom. When no ransom was forthcoming he was beheaded in February 2017.

SECTION 1: OFFICIAL FORMALITIES FOR FOREIGN YACHTS

Introduction

Official formalities for foreign yachts visiting Malaysia are usually relaxed. Once cleared by **Immigration**, the **Jabatan Laut (Marine Department/Harbourmaster)** and **Customs**, yachts can remain indefinitely in Malaysia without payment of taxes or duties. Yachts over 15 registered tonnes will sometimes be required to pay a nominal fee for light dues. Officials never ask for presents/tips, or demand dues or fees without issuing an official receipt. Not all South East Asian countries have such refreshingly honest officials.

Ports of Entry commonly used by yachts: * Duty Free Ports

| | |
|----------------------------------|-----------------------|
| Pulau Langkawi* | Kuala Terengganu |
| Penang (Pinang) | Kuching |
| Lumut (Pangkor Island Marina) | Miri |
| Port Dickson | <u>Labuan*</u> |
| Malacca (Melaka) | Kota Kinabalu |
| Nusajaya (Puteri Harbour Marina) | Kudat |
| Tanjung Pengelih | Sandakan |
| Pulau Tioman* | Tawau |

The ‘Order of Business’

On arrival from a foreign port, visit Immigration first, then the Jabatan Laut and finally Customs. In some Ports of Entry, yacht crews will first be directed to the Jabatan Laut.

On departure, visit the Jabatan Laut, then Customs. When clearing for a foreign destination, one of the Duty Free Islands or Penang, then obtain a Clearance from Immigration.

Clearance to Where?

On domestic voyages, yachts need not clear in at every port. **It is common practice to clear to the furthest port on the planned itinerary, unless stopping at a Duty Free Port on the way.** All yachts must clear in and out of the Duty Free Islands (see above), and the State of Sarawak.

Immigration

International Arrivals

It was once possible for the Master to check a yacht’s crew, but with fingerprint readers operational at most Ports of Entry, all members of the crew must visit Immigration. Passports for all (with at least 6 months validity) and copies of the yacht’s crew list and registration document will be required.

Visitors from neighbouring countries like Indonesia, Singapore the Philippines and Thailand are issued with 30 day visas. Many other nationalities are eligible for 90 day visas. Those caught overstaying will at

best be asked to leave immediately, but they may be fined or even officially deported. Visa extensions can often be arranged, for a fee, but it's more common for yacht crews to complete a 'visa-run' (often by public transport) to another country, usually Singapore, Thailand or Brunei. On returning to Malaysia, a new 30 or 90 day visa should be issued on arrival.

Sometimes an Immigration Officer may question why so much time is being spent in Malaysia. When it is explained that the passport-holder is crew on a yacht (locally known as a "kapal layar"), usually a new visa is cheerfully offered. If the yacht is moored in a marina or ashore in a boatyard, before heading off on a visa run it is worth asking the office for a letter on headed paper confirming that the passport holder is a bona fide yachtsman or yachtswoman.

In Langkawi in 2017 it was announced that those on visa runs need to be out of Malaysia for at least seven days before returning. It is thought that this new rule only applies to Langkawi.

International Departures

All yacht crews should clear Immigration within 24 hours of departure, and have an exit stamp (locally called a 'chop') added to their passports. Occasionally the Immigration Office will insist that once cleared, the yacht must leave on the same day. This unusual restriction was in force in Kuala Terengganu in 2018.

Domestic Arrivals/Departures

The three Duty Free Islands have different rules. In Langkawi, Tioman and Labuan, all yacht crews should check in and out with Immigration on both arrival and departure.

In Langkawi, since 2017, Immigration has insisted on receiving an Immigration Clearance from the last Malaysian port. This has caused problems, because few other Immigration Offices in Ports of Entry routinely issue or expect Immigration Clearances for domestic voyages. If clearing out for a Duty Free Port, try and obtain an Immigration Clearance before proceeding. In 2018, Immigration in Penang also began demanding an Immigration Clearance from any yacht arriving on a domestic voyage, but were unable to provide a copy of the apparently newly-revised regulations.

Sarawak has a degree of autonomy, and different rules. Yachts arriving from other Malaysian States must clear in and subsequently clear out with Immigration. Some yachts bound for Sarawak from the Peninsula also first clear out from Malaysia, since new 90 day visas are usually (but not always) issued on arrival.

For all other domestic voyages, there is no requirement to check in and out with Immigration, although Immigration Officers can sometimes interpret the rules in different ways. For instance, in Kuala Terengganu for a while it was insisted that all yachts needed to clear in and out with Immigration every time a State border was crossed, but by 2017 this unique interpretation of the rules had been dropped.

Jabatan Laut (Marine Department/Harbourmaster)

Arrivals

The Jabatan Laut requires a copy of the yacht's crew list, registration document and in some Ports of Entry (including Langkawi) documentary proof of **Third Party Insurance**. An International Maritime

Organisation (IMO) Arrival form will be presented for completion. Much of this standard form applies only to cargo ships. Many sections can be left blank or marked N/A (Not Applicable)

In early 2018 the Jabatan Laut in Langkawi changed the rules and now insist that registered motor yachts and motor vessels must be checked in and out using an Officially Approved agent. Agents fees are in the RM 100-150 range. Sailing vessels with one or more auxiliary engines can still clear independently.

Departures

An IMO Departure form will be presented for completion, again with many sections that can be left blank or marked N/A. A crew list and copy of the yacht's registration document may be requested. A Request for Clearance form will then be issued, to be taken to Customs

Yachts over 15 registered tonnes are required to pay light dues, usually on checking out. These light dues vary, but for a 16 tonne yacht rarely exceed RM 5. In Langkawi there is an additional charge for yachts staying for more than a few days.

Customs

International Arrivals

Customs will want the Clearance documentation from your last foreign port, and may ask to retain it. Unless immediately checking out, or being in possession of two copies of the foreign Clearance, it is wise to offer a copy. There have occasionally been problems when Customs has been unable to find a Clearance submitted weeks or months earlier.

They may also request a crew list and a copy of the yacht's registration document. The Master of the yacht may be asked to list stores of alcoholic beverages and to sign a form declaring that there are no illegal drugs or undeclared firearms aboard. The death penalty is in force upon conviction for the importation of illegal drugs and firearms.

Domestic Arrivals

Present the pale yellow coloured Clearance document, even if the stated destination is different. Officers are aware that plans sometimes change. Customs may request that the Clearance be retained and re-presented later when clearing out.

Departures

At Customs, the Request for Clearance form issued at the Jabatan Laut will be exchanged for a pale yellow Clearance document. This document is important, and will need to be taken to Customs when later clearing in to the next port. Sometimes two copies are issued, one to be given to Customs at the next check-in, the other retained.

SECTION 2: PENINSULAR MALAYSIA: WEST COAST

2.1 TIDES AND CURRENTS IN THE MELAKA (MALACCA) STRAITS

North of Penang, tidal currents are negligible and rarely exceed 0.6 knots even between islands in Langkawi. The flood tide in the Malacca Straits from Langkawi to Pulau Kukup (01°17'.5N 103°26'.6E) flows south or south east.

The tides to the west of Penang can run at up to 2 knots, the south flowing stream starting at low water Penang +2 hours 20 minutes, the north flowing stream starting at high water Penang +3 hours.

To the east of Penang near Butterworth (05°24N 100°21'.5E) and the Kra Flats (05°21'N 100°20'.75E) flows can approach 4 knots at springs. The southerly flow runs from about high water Penang -4 hours to high water Penang +2 hours, but varies locally. Slack periods are brief.

Between Penang and Pulau Jerejak (05°18'.46N 100°18'.03E) currents are less and perhaps average just over a knot. The north flowing stream starts at high water Penang +3.5, the southerly flow starts at high water Penang -4.5 hours. Slack periods are brief.

To the south of Penang near Pulau Rimau the north-flowing stream starts at low water Penang -1 hour, the south flowing stream at high water Penang - 1 hour.

Between Pangkor and Lumut (04°13'N 100°35'E) the tide floods south and ebbs north at up to 3 knots. There are similar flows in the Sungai Dinding (04°14'.3N 100°37'E) that closely follow high water and low water Lumut.

Off Pulau Angsa (03°11'N 101°13'E) the north-flowing tide starts at high water Port Klang + 1 hour and the south flowing tide starts at high water Port Klang -4.5 hours. Slack water lasts an hour or so.

In the Selat Klang Selatan and Sungai Klang, tidal currents can flow at 2.5 to 3 knots.

Tidal currents can reach 3 knots in the One Fathom Bank area.

At the south end of the approaches to the Sungai Klang (approx. 02°52'N 101°15'E) the north-westerly flow starts at high water Port Klang +2.5 hours and continues for about 5 hours. The south-easterly flow starts at high water Port Klang -3.5 hours.

Tidal currents can reach 3 knots around Cabo Rachado (Tanjong Tuan, 02°24'N 101°51'E) with charted whirlpools and overfalls. The north-westerly flow starts at high water Penang -4 hours, and continues to high water Penang +3 hours. The south-easterly flow starts at high water Penang +3.5 hours and continues to high water Penang +9.5 hours.

North of Pulau Kukup the tide floods south east and ebbs north-west. North of Pulau Kukup in the North East Monsoon there is an underlying set to the north-west, whereas in the South West Monsoon the set is south-east. These sets slightly delay the flood in the north-east Monsoon, and slightly delay the ebb in the South-West Monsoon. North of Penang these sets are negligible. From Singapore to Pulau Kukup (01°17'.5N 103°26'.6E) the tide floods to the north-west and ebbs to the south-east. Tidal flows in the Singapore Straits are complex. The British Admiralty's 'Total Tides' programme is recommended.

2.2 LANGKAWI

Langkawi is the nation's best known holiday destination and Malaysia's principal yachting centre. There are 99 islands, most of which are uninhabited. Pulau Langkawi is where most of the population resides. In 2007 the islands were granted Geopark status by UNESCO.

Langkawi was declared a duty-free zone in 1986. **All yachts are required to both check in and to check out.** *Duty free alcohol and tobacco are available, but fuel is at or slightly above mainland prices. Regulations were changed in late 2016, limiting the amount of alcohol or tobacco that could be purchased. These limitations were removed in April 2019.*

There are Immigration, Customs and Jabatan Laut offices at Kuah and Telaga. The commercial centre of Langkawi is Kuah town. Fast ferries to the mainland operate from the Kuah Ferry Terminal, which also houses Immigration, Customs and the Jabatan Laut, all of which open every day. The Customs and Jabatan Laut offices in Telaga closed in early 2017, but subsequently re-opened. It's opening times seem to be unpredictable.

Some areas of Langkawi have been designated as Marine Parks. New charges were introduced in late 2016 for all Marine Parks in Malaysia. For non-Malaysians, the fee per entry is now RM 100 per yacht. Fishing is not allowed in marine parks. Offenders can be fined up to RM 20,000 and/or imprisoned for up to two years. There is a map of the Marine Park boundaries at the Kuah Ferry Terminal. Kuah, Bass Harbour, Rebak, and Telaga (see below) are all outside Park boundaries.

Kuah

There's a good anchorage in Bass Harbour off Kuah town, in 6 metres on mud around 06°18'.75N 99°50'.80E. There are some areas of poor holding. In 2014, foul ground was reported 30 metres around 06°18'.863N 99°50'.677E, where construction waste was dumped. **Following the introduction of new rules by the Jabatan Laut in 2017, Kuah is the only anchorage in Langkawi where it is permitted to leave unattended vessels.** Moorings are available in Bass Harbour. Email solidgoldmoorings@yahoo.com or call +60 17 510 4865.

A pontoon for dinghies is close by docks used by ferries and tourist tour boats. There is a small daily charge for using this pontoon: RM 3.00/dinghy/day in 2018. From the nearby local-ferry terminal building it is an easy and pleasant walk approximately south through a park to Kuah Ferry Terminal. Yachts over 15 tonnes are required to pay a nominal fee for light dues, and there is a small additional charge for yachts staying for an extended period.

See www.langkawi-gazette.com/marine-guide/maintenance-repair for a comprehensive list of marine specialists and suppliers in Langkawi.

In 2015, 2016 and 2017 the Shell fuel barge in Bass Harbour had clean diesel fuel available for about RM 0.10 above road prices. There was no objection to selling small quantities in carriers, or yachts can go alongside either the wooden barge or the *Tuba No 5* tanker that imports the fuel from Penang. In 2016 a superyacht purchased 80,000 litres from this barge (!)

Royal Langkawi Yacht Club

To the east of the Ferry Terminal the Royal Langkawi Yacht Club offers high quality marina berthing. There are newly renovated facilities ashore, including a swimming pool and a fine restaurant. The website is at <http://langkawiyahtclub.com/> Tel: +604 966 4078. The Yacht Club's email address is: office@langkawiyahtclub.com The berths can sometimes be a bit rolly.

Northern Shipyard

Newly opened in 2015, this recommended yard has a big travel lift and good facilities. It mostly deals with steel ferries. The travel lift is wide enough for catamarans with a beam of 12+ metres. Yacht crews are permitted to work on their own boats. See [www.http://northernshipyard.com/](http://northernshipyard.com/) Brendan Wright is the Manager : brendan@northernshipyard.com - but apparently he often fails to reply to emails. His mobile phone number is 019 235 2181. The yard's phone numbers are 04 969 5888 and 04 969 5880. The yard's site address is Lot 3537, Kampung Bukit Malut, Mukim Ulu Melaka 07000 Langkawi.

B & V Marine

Just north of the Boustead Langkawi Shipyard, B & V Marine has a small haul-out facility using a crane with a maximum capacity of 12 tonnes. Contact Barry Kriel (Director) Phone 017 425 7278 or email bv.marine@yahoo.com or barry.kriel@yahoo.com

Boustead Langkawi Shipyard

This yard southwest of Kuah offers maintenance facilities for ferries and superyachts.

Rebak Marina

This highly recommended marina's website is at www.rebakmarina.com/ The Marina entrance is at 06° 17'.48N 99° 41'.70E. The marina itself is hard to see from seaward. Call VHF 69. There is a hardstand with room for 70 yachts and a 65 tonne travel-lift suitable for multihulls with a beam of up to 7 metres. At peak times, yachts may only be allowed two weeks ashore. Yacht owners can work on their own boats. Welding and metal grinding are forbidden. Dogs are not permitted.

Seaspray Marine Services and Seaspray Yacht Sales have been based in Rebak since 2008. Mark Robertson and his team can work on most yacht projects. They are agents for, amongst others, West Marine and Vetus. Call (+60) 04 966 0231 or email seaspraymarine66@gmail.com See www.seaspraymarine.net For brokerage listings, see syslangkawi.com or phone: 017 481 4869

The well stocked Yacht Supply chandlery specialises in painting and antifouling using Chugoku brand paints. GRP repairs, polishing, electrical, plumbing and boat maintenance services available. Email: sales@yachtsupplymalaysia.net or phone 04 966 4067

Alan & Mary Tatton of Langkawi Boat Sales & Services are based at Rebak Marina. They provide yacht brokerage, yacht management, boat caretaking services, provisioning and chandlery. Tel: 04 966 1303 or 017 4098 308 Email: info@langkawibss.com The company website can be found at www.langkawiboatsalesandservices.com

Rebak Marina is associated with a five star resort that has an excellent pool. Resort prices are high, but cheaper alternatives are available for marina patrons. The Hard Dock Cafe (that is off-limits to Resort guests) permits BYO (Bring Your Own) alcohol and offers good quality fare at reasonable prices. In times of peak demand, access to the pool may be restricted to Resort guests. There are daily free ferries to the Langkawi 'mainland', but to get to Kuah (and its hardware stores and chandlers) or Telaga, a rental car is necessary. Call Mr Din on 012 402 0827 the day before you need a car. Tell him which ferry you will be arriving on, but see the notes for Telaga Marina (below).

Telaga Harbour Marina

Telaga Marina is located at 06°21'.70N 99°40'.94E. Contact the Marina Office on VHF 69. The area is protected by two artificial islands. There are areas of poor holding in the anchorage to the north of these islands, although some reports suggest that the holding is slowly improving as more mud settles over dredged areas.

Telaga is an official Port of Entry and it is possible to check in here when arriving from Thailand. The offices are in an orange-coloured building near the Petronas fuel station. In 2016 the offices were open from 08.00 hours until 17.00 Monday to Friday, and 08.00 hours to 12.00 on weekends and public holidays. In early 2017 and again in 2018 the offices were reported closed. The offices at the main ferry terminal in Kuah are open every day.

The marina is well sheltered and offers water, power and WiFi to every berth. There is an easily accessible fuel dock, but in late 2015 it was announced that the minimum delivery is now 1000 litres from a nozzle too big for all but superyachts. Diesel can be collected in carriers from the nearby Petronas station at road prices.

In late 2016, Yacht Worx moved from premises near Telaga Marina. Their well-stocked chandlery and recommended sail-repair business continues. Email yachtworx@asia.com or call 016 741 0987.

Telaga is overlooked by the spectacular Gunung (Mount) Mat Cincang. The marina can arrange car rentals, but these vehicles will likely have no insurance. Fully insured cars can be rented from the nearby Langkawi Airport, at a significantly higher price. There are several restaurants, and an ATM (cash machine) at the Petronas fuel station near the Marina office. The 'Glorious Store' located on the other side of the marina is recommended for cellphone 'top-ups.'

Other Anchorages in Langkawi

Pulau Singa Besar is a popular place for weekend get-togethers on the white sand beach. Anchor around $06^{\circ}13'.70N$ $99^{\circ}44'.8E$ Five metres on sand/mud.

There is a well sheltered anchorage east of Pulau Gubang Darat at $06^{\circ}11'.13N$ $99^{\circ}47'.23E$.

The freshwater 'Lake of the Pregnant Maiden' can be found by climbing to a dip in the cliffs near an anchorage at $06^{\circ}11'.9N$ $99^{\circ}46'.8E$: 3 metres on mud. In 2016 there was rough access ashore to a newly completed walkway to the main tourist facilities which can also be reached via a jetty to the north around the next small headland. In 2016 a new jetty was under construction. Early morning and late afternoon visits avoid the considerable tourist traffic. There are many monkeys and sea eagles. In squally weather, strong katabatic winds can affect this anchorage.

Teluk Ayer Tuan on Pulau Dayang Bunting is a scenic anchorage, 4 metres on sand at $06^{\circ}10'.64N$ $99^{\circ}48'.07E$. Teluk Chawi at $06^{\circ}10'.30N$ $99^{\circ}48'.44E$ is suitable for barbeques under the trees. Tourist catamarans visit but leave after brief daytime stops.

There is a recommended anchorage at Pulau Gabang Laut, at $06^{\circ}10'.66N$ $99^{\circ}46'.88E$. A mud bottom with rocky patches in 9 metres.

Teluk Ketapang on Pulau Singa Besar is another pleasant bay with beaches. A reported anchorage is at $06^{\circ}11'.29N$ $99^{\circ}43'.90E$, 7 metres on sand. The south side of Pulau Singa Kecil is a popular anchorage, 4 metres on mud around $06^{\circ}13'.60N$ $99^{\circ}44'.85E$ A quiet anchorage off Pulau Timun's east coast at $06^{\circ}18'.62N$ $99^{\circ}55'.64E$ has many sea eagles.

The 'Hole in the Wall' $06^{\circ}24'.99N$ $99^{\circ}51'.95E$ has good holding on mud. There is a lot of high-speed small boat traffic carrying tourists to see sea eagles in an inlet to the east. From Tangong Rhu, $06^{\circ}27'.75N$ $99^{\circ}49'.10E$, there is dinghy access to the 'Hole in the Wall' – follow the tour boats. Until 2017 it was possible to leave a yacht on a mooring at the Hole in the Wall, but the Jabatan Laut no longer permits unattended yachts to be moored there.

2.3 PASSAGES BETWEEN LANGKAWI AND PENANG

It is common for yachts to break the 64 mile trip between Langkawi and the Junk Anchorage in Penang into two day-sails. There are numerous uncharted and unlit bamboo fish-traps/fish aggregation devices that are invisible at night and which barely show on radar. There is a recommended overnight anchorage at Pulau Bunting, which is joined to the mainland by an uncharted bridge: $05^{\circ}52'.46N$ $100^{\circ}20'.08E$ in 5 metres on mud. Alternative anchorages are off Pulau Bidang, with good holding on mud at $05^{\circ}44'.9N$ $100^{\circ}17'.5E$ or Pulau Songsong at $05^{\circ}48'.7N$ $100^{\circ}18'.0E$

Pulau Paya, close to the route the route between Langkawi and the mainland, is a Marine Park. Anchoring is prohibited. It may be possible to pick up a mooring late in the day when the last tour boat from Langkawi has left. New charges were introduced in late 2016 for all Marine Parks in Malaysia. For non-Malaysians, the fee per entry is now RM 100 per yacht. Fishing is not allowed in marine parks. Offenders can be fined up to RM 20,000 and/or imprisoned for up to two years.

2.4 PULAU PENANG (PINANG)

Penang has become so difficult for visiting yachts that in 2018 most of the Sail Malaysia Passage to Langkawi Rally fleet elected to bypass the island completely and to sail on to Langkawi.

Surface Nets

Penang fishermen are laying increasing numbers of (illegal) surface nets at night, even in recognised channels. These nets are normally only laid during spring tides. In 2015 there was a serious incident when a parang (machete) waving fisherman threatened a yacht's crew after they refused to pay for his unlit surface net that they had inadvertently run over at night. The authorities seem unwilling or are perhaps unable to deal with the problem. Until the existing laws are adequately enforced, yachts should avoid transiting Penang waters at night. There have also been several recent instances of surface nets drifting onto anchored yachts.

The Penang Bridges

The second Penang Bridge opened in March 2014, with a navigable channel at 05°17N 100°18.6E. The authorised clearance under both of the Penang Bridges is at least 25 metres. (Some reports say 27 metres.) An official written permit is apparently required to pass under either bridge, but this rule is not enforced. In 2018/19 there were ropes and wire cables dangling from the original bridge which could theoretically snare a mast of (say) 22 metres or more.

Marinas in Penang

Straits Quay Marina has 40 berths with 24 hour security. Yacht owners are requested to keep their vessels clean and tidy. External repairs are prohibited. Third party insurance is required. The Marina is small and usually full: advanced booking is essential. John Ferguson is the Manager. Call (604) 890 6521. The marina monitors VHF 71. To approach, pass close to the wreck buoy at 05°28'.53N 100°19'.03E and then head for the leading marks at 05°27'.46N 100°18'.98E. Start a turn to starboard when 100 metres from the nearest leading mark. The southern extremity of the main breakwater is marked at night by a green flashing light. In 2012 the dredged channel was 3 metres below chart datum, but by 2016 extensive silting had resulted in depths at close to chart datum in the marina entrance. By 2018 much of the marina was too shallow for keelboats, but dredging works were completed in 2019 with depths increased to 4.5 metres below chart datum. Unfortunately the approaches are still shallow and yachts should plan to enter and leave at high tide. *Nearby shops include Cold Storage (a 20 minute walk) and Tesco (10 minutes). There are frequent buses to George Town (Service 101) from the main road next to Tesco.*

The Tanjong City Marina was located just north of the Penang/Butterworth ferry terminal, on the edge of the Little India district of George Town. The marina disintegrated and closed in 2012. The broken docks that sometimes broke free and threatened anchored vessels were all removed in 2013. A new marina was long promised, but was delayed by political issues well outside the scope of this Guide. In 2017 it was announced officially that the marina will not be rebuilt. Concrete steps at the Marina that were accessible with a tide 1 metre over datum were closed by the Polis Marin in February 2017.

The Jabatan Laut has a marina at Batu Uban, around 05°21'.3N 100°19'.0E. It is usually full and silting up fast. In February 2018 the Jabatan Laut announced that yachts are forbidden to anchor nearby and that dinghies are no longer welcome.

Anchorage in Penang

It is possible to anchor off the Straits Quay Marina, north of the marina entrance. This anchorage can be rocky and at times untenable. The whole area is subject to rapid shoaling. To the south of the entrance there are massive and as-yet uncharted reclamation schemes. The restricted area is indicated with a line of yellow 'special mark' buoys and silt curtains that are regularly moved. The Marina management kindly allows dinghies to be left at the marina, but check with the office to make sure your dinghy won't obstruct larger vessels. Access ashore may also be possible at Tanjung Tokong, perhaps a quarter mile north-east of the marina, where there is a substantial breakwater.

The Junk Anchorage just south of the Penang/Butterworth ferry terminal has become too restrictive for most. In 2019 it was reported that rapid shoaling has now made shore access impossible when the tide is low. The residents of the Chew Jetty once permitted dinghies, but this privilege was withdrawn in 2014. Dinghies are now prohibited from landing at any of the Clan Jetties except by special arrangement. It may be possible to arrange a water taxi at RM 5/person each way, but in early 2018 the water taxi operators were reported reluctant at best and only operating between 10.00 and 19.00. Try Taxi Leong at 018 405 8188 or Taxi Sun at 016 433 7624. Concrete steps at the derelict Tanjung City Marina were declared off-limits by the Polis Marin in February 2017. Should some reliable means of getting ashore be found, beware poor holding on plastic bags, abundant wreckage and spring tide currents of up to three knots. When a big squall opposes a big tide, yachts can sail around their anchors to an alarming degree.

The successor to the Junk Anchorage is the Dump Anchorage, off Karpal Singh Drive around 05°23.68N 100°19'.82E. Dinghies can be taken ashore at high tide. The wrecked jetties from the Tanjung City Marina that washed up in 2012 shifted in early 2019 and no longer offer good all-tide shore access. South of the 'Blue Chimneys' (an artwork) there are very good docks belonging to the Fisheries Department where dinghies can be left, but there is a locked gate. If no fishermen are around, there is no access ashore. The holding is good, on mud.

In February 2018 the Jabatan Laut announced that the waters between Pulau Jerejak and Pulau Penang had been 'gazetted' for official purposes and that anchoring was now prohibited. Should the anchoring restrictions be lifted, in the past there was all-tide access ashore at the Jabatan Laut-run marina (see above). The concrete Jerejak Jetty north of Queenbay Mall was closed to dinghies in 2016 and all the other makeshift jetties have disappeared.

There is a good anchorage off Pulau Rimau to the south of Penang at about 05°15'.12N 100°16'.48E, on the edge of the charted cable zone. Elsewhere, yachts are often asked to move by fishermen wanting to lay their (illegal) surface drift nets. This anchorage usually remains calm in both monsoons and (fishermen permitting) is a fine place to await favourable currents when heading north or south. In 2018 a better alternative was reported near Kendi Island: 05°13'.60N 100°10'.87E, 6 metres on mud. Fishing boats anchor in this area and nets are thus less likely to be a problem. In 2014 four yachts found good shelter at Tanjung Gertak Sanggul: 05°16'.08N 100°11'.33E, but in 2018 a monohull found this area uncomfortably shallow.

Clearing In and Out of Penang

Customs and Immigration are both close to the Swettenham Pier Cruise Ship Terminal. In 2018 Customs moved to an office near the main gate: ask at Security. Immigration is at the east end of Beach Street, near the Queen Victoria Jubilee Clock Tower. Immigration in Penang has long had a reputation of being 'difficult'. In 2016 the Jabatan Laut moved to offices south of the Tesco superstore on the 3113 highway. It is possible to walk from Tesco. Alternatively, take a taxi or catch a bus heading for Bukit Jambal: ask to be dropped off near Jalan Akuarium. just north of Gelugor. The Jabatan Laut offices are closed on weekends and public holidays.

Fuel in Penang

Foreigners are not permitted to purchase fuel from service stations in Penang without a permit. In practice there are rarely problems when purchasing small amounts of petrol. For larger quantities of diesel, permits are sometimes available from the Penang Customs Office. Call Mr Sekar A.L. Raman on 04-261 6167. His office is located on 8th floor of the Federal Building, next door to the post office and close to Swettenham Pier Cruise Ship Terminal. He will need to make copies of your passport and boat registration documents.

The fuel barge that used to be located near the Chew Jetty sank in 2017 and is now only visible at low tide. Individuals from the Chew Jetty may offer to obtain fuel for visiting yachts. Based on reports from late 2014, these offers should be politely declined.

Boatyards and Suppliers

The Limbongan Batu Maung shipyard at Batu Maung (approximately 05° 17'N 100° 17'.5E) operates a 70 tonne travel lift and has two railway slipways suitable for multihulls. Tel: 604 626 2628 or email lbmsbyachts@yahoo.com When approaching the travel-lift dock there can be strong north to south cross currents. This yard was sold in 2018 and on the long term will probably be closed to make way for more high-rise developments.

Pen Marine has a chandlery at 64 Weld Quay. Thye Huat at 126/128 Jalan Pintal Tali has electrical parts and supplies, as do Tonsin Component, 30 Argyll Rd. Yeap Electrical Engineering has wire in stock at 49 Jalan Kajang. Chooi fasteners in Nordin Street stock stainless steel bolts and screws: call David on 012 423 2915. For automotive parts, Tai Beng Auto Supply at 113 Nordin St and BL Boon Lee Auto Parts at 204 Jalan CY Choy are recommended. East Bay Teak can supply teak and marine plywood: telephone Mr Chong on 012 492 1456. For timber and plywood, try Kedai Papan Dan Hardware 89-91 Jalan CY Choy. S.M. Badjenid & Son at 184-186 Beach Street usually work with canvas, but can also make covers and awnings for yachts. In 2014 and 2017 they successfully repaired an acrylic strip on a genoa. Ooi Sin Huat Foundry at 97/99 Jalan CY Choy has lathes, presses and a skilled workforce: at least two servo-pendulum self-steering gears have been repaired here. Hipower Metal and Stainless Steel works do fine work and are highly recommended. Hipower is near Batu Maung at the south of Pulau Penang: email highpower3333@gmail.com or phone Ms Chew at 04 626 6618 or 04 626 3043. Steelway in Butterworth offers first-quality hot-dip galvanizing and has a spinner for chain: steelway.com.my In 2012 the price was RM 4.20/kg, including pickup/delivery to Penang. Call Mrs Wong at 045 016 333. Ong Liang Ching, better known as 'The Chemical Man', was forced to close his shop in April 2015 to make way for a boutique hotel. He has re-opened at 22 Pintal Tali (Ropewalk), close to his old shop.

Visas for Thailand

Sixty day Visas are available from the Thai Consulate in Penang. In early 2019 the fee was 1900 baht, or about RM 250. A passport plus a copy and two passport-style photographs are required for each applicant. It is best to get there early in the day. Visas should be ready for collection the following afternoon. You must enter Thailand within 90 days or the visa becomes invalid.

Surin Kaur has a small shop near the blue dinghy dock in Kuah, Langkawi. She can organise visas for Thailand, Indonesia and the Andaman Islands. In 2018, many Sail Malaysia Rally participants elected to bypass Penang and asked Surin to organise their visas for Thailand. Call 017 684 5762 (Whatsapp) or email surrienkaur@gmail.com

Penang's many attractions for tourists are well documented. Many visiting cruisers have also benefited from Penang's excellent (and often by Western standards inexpensive) medical and dental facilities. George Town is a UNESCO World Heritage Site.

2.5 LUMUT AND PULAU PANGKOR

Pulau Talang

An attractive and well sheltered anchorage is reported between Pulau Talang and the mainland at 04°25'.4N 100°34'.7E in 8.3 metres at low tide, with an alternative at 04°24'.96N 100°34'.60E

The Northern Approaches to Lumut

Both the north and north-west channels can be used. In the north channel the lighthouse at Tanjung Hantu (approx. 04°18'.5N 100°33'.4E) is a convenient landmark.

Lumut International Yacht Club

The Club is now closed, but an anchorage remains around 04°14'.37N 100°38'.53E, 5 metres on mud. South of this anchorage, close to shore, there is an unmarked channel used by tugs and barges operating from a nearby quarry. On the 2009 rally, two yachts were damaged after being hit by a loaded barge. In 2012 another yacht was hit and damaged. An unmarked obstruction (probably a wreck) with 0.4 metres at chart datum is reported at 04°14'.322N 100°38'.518E

It is reported that there is adequate access ashore from this anchorage. *There is limited shopping and a fuel station within walking distance of the closed yacht club. Take a bus to Sitiawan (12 km from Lumut) for supermarkets (including an Aeon and a Tesco).*

Pangkor Marina

This 160 berth marina is located at 04°12'.70 N 100°36'.10E on Marina Island. (Note that in the printed version of this Guide, the marina location is incorrectly given as 04°12' N 100°36'E) The approach waypoint is 04°12'.66N 100°35'.10E. The Marina monitors VHF Channel 69

Marina charges are likely to be around RM 2.00/foot/day plus power and water. There may be substantial discounts available for long-term storage ashore for past and present Sail Malaysia participants.

Highly recommended haulout and storage facilities are available for vessels up to about 20 metres/45 tons. Repairs to fibreglass, steel and wooden vessels can be undertaken. Diesel and outboard engine mechanics are available. Nearby Lumut is a Navy town and there is a lot of local expertise in boat repairs and engineering. Many hire a car or motorbike to get to the shops on the mainland. An alternative is to take the ferry to Pulau Pangkor (RM 14 return) for basic provisioning and a well-stocked hardware store.

Petrol (gasoline) and diesel is available in carriers. For yachts in the marina or ashore the price for diesel in September 2017 was RM 2.50/litre delivered, when the road price was about RM 2.12. For yachts just stopping by for fuel the price was RM 3.00/litre. LPG bottles can be refilled.

Yachts may anchor off and moor their dinghies on Jetty 2, near the gangway. To keep clear of the ferry route, a recommending anchorage is around 04°12'.64 N 100°35'.76E. Good holding on mud.

The Marina's mailing address is Marina Island, KM 1, Teluk Muroh, 32200 Lumut, Perak, Malaysia. The website is at www.pangkormarina.com Call Ruz (Rose) at Pangkor Marina Office at: [+6 016 772 4088](tel:+60167724088) or Akina on [+6 016 523 1800](tel:+60165231800). Email pangkormarina@icloud.com, The Manager is James Khoo. His email address is jameskhm@gmail.com His phone numbers are [+6 016 550 4088](tel:+60165504088) and [+6 019 512 4088](tel:+60195124088)

Anchorage off Pulau Pangkor

During the southwest monsoon season there is a sheltered anchorage at 04° 11'.87N 100° 34'.81E, 3.2 metres at low spring tides, but beware of a charted submarine cable.

Teluk Nipah is a pleasant bay with relatively clear water. There are recommended anchorages at 04° 14'.27N 100° 32'.56E, 4 metres on sand, and 04° 13'.85N 100° 32'.36E, 10 metres on sand. The latter has been reported as "The nicest anchorage on west coast Malaysia". Pasir Bogak is an anchorage sheltered by Pulau Pangkor Laut at 04° 12'.6N 100° 33'.1E, 5 metres on sand, mud and shells. Tides can run strongly through this anchorage. Another good anchorage with shelter from the west is reported at 04° 11'.42N 100° 32'.91E

An anchorage at 04° 12'.48N 100° 34'.73E off a kampung at the south-east of Pulau Pangkor has plenty of room on the edge of the channel between the ferry piers.

Pangkor has an important history, and is a popular holiday destination for Malaysians. Dinghies are not welcome to land at the upscale resort on Pangkor Laut.

Iron Ore Terminal

There is a new and as yet uncharted iron ore terminal on the mainland to the south of Pangkor Marina. The following waypoint is a safe distance off the west end of the terminal: 04°09'.31N 100°35'.48E There are new and uncharted buoys marking the deep water channel.

Uncharted Wrecks

Unlit concrete piles have been reported around 03°38'.87N 100°54'.91E, some 18 miles offshore west of Sungai Bernam (see below) An unlit and uncharted wreck originally reported as “looking like a ski jump” at 03°55'.45N 100°40'.38E has now been cut down to water level and so is much more difficult to see.

2.6 ANCHORAGES BETWEEN LUMUT AND PORT KLANG

Anchoring in the Sembilan Archipelago is often difficult, with deep depths and poor holding on rock. A good anchorage is reported off Pulau Lalang at 04°00'.34N 100°32'.98E, 10 metres on sand.

There is a protected anchorage with good holding on mud off a Chinese Temple at Sungai Bernam: 03°50'.85N 100°49'.36E. Currents can be fierce, perhaps exceeding three knots on the ebb, and drifting surface nets are becoming an increasing problem. In 2014 three yachts were run down by fishing boats when anchored in this area, but the details are not known. It would certainly be worth anchoring as close to shore as possible, and showing extra anchor lights. An alternative day-sailing route uses open roadsteads at 03°43'.13N 100°49'.72E or 03°40'.40N 100°53'.62E. From these roadsteads it is a day sail to/from a sheltered anchorage with 9 metres at high tide at 03°05'.52N 101°18'.43E

There are anchorages around Pulau Angsa in about 10 metres on mud around 03°11'N 101°13'E. There is a powerful light on Pulau Angsa.

2.7 ROYAL SELANGOR YACHT CLUB

The Sungai Klang can be entered at the junction between Kelang Utara and Selat Kelang Seletan at about 03°00'.0N 101°21'.5E The Royal Selangor Yacht Club is on the south side of the Sungai Klang. The club possesses a security boat which operates 24 hours and also acts as a free water taxi to the club quay.

Provisioning is easy and fuel is available at the Club's fuel dock. The Club's email address is info@rsyc.com.my and the phone number is +603 3168 6964. Their website is at www.rsyc.com.my The mailing address is Jalan Shahbandar, 42000 Port Klang, Selangor darul Ehsan, Malaysia.

The Club is the home of the Raja Muda Selangor Regatta, and the Patron is his Royal Highness the Sultan of Selangor. A station on the high-speed railway line to Kuala Lumpur is a short walk from the Yacht Club.

2.8 SELAT CHE MAT ZIN

The route that threads between Pulau Ketam and Pulau Tengah to the north and Pulau Klang to the south is reported deep with no overhead wires or other obstructions. This route offers a quieter alternative to the main Klang river. Stay mid-way between the fish farms on Tengah and the shore of Klang. Beware an inadequately charted shallow patch that extends from western end of Pulau Klang at about 02° 58'.80N 101° 15'.65E

There are several anchorages, all on mud. Around 03° 01'.7N 101° 16'.5E, between the fish farms near the channel between Pulau Ketam and Pulau Tengah, in 5 metres. At 02° 58'.6N 101° 14'.1E there's a sheltered anchorage south of the fish farms, in 5 metres at low tide. 02° 56'.90N 101° 15'.70E, in 8 metres. At the south end of Selat Che Mat Zin there is an anchorage on mud at around 02° 56'.16N 101° 15'.71E In 2014 an alternative at 02° 55'.36N 101° 15'.74E was reported to have less good holding. Currents can be strong. Many fishing boats and small ferries use these waters and extra anchor lights are recommended.

2.9 SELAT LUMUT

At the south end of Selat Kelang Seletan there is a good anchorage in the north-east monsoon season at the entrance to Selat Lumut at 02° 52'.32N 101° 16'.36E in 8 metres on mud. A reported alternative is at 02° 52'.77N 101° 27'.27E in 8 metres. Even better shelter in both monsoons is available by proceeding mid-channel up the Selat Lumut and anchoring off the lightly used Pulau Indah Marina. Unfortunately, strong currents in this marina often make it difficult to enter and to moor safely.

2.10 PASSAGES IN THE SOUTHERN MELAKA (MALACCA) STRAITS

When heading north or south in the Malacca Straits between Port Klang and Singapore, one possible technique is to proceed very close to (but not quite over) the eastern boundary of the main northbound traffic lane. Shipping in the lanes is likely to behave predictably, except when joining or leaving the lanes off Port Klang, Port Dickson or near Singapore. Smaller ships, tugs and barges using the inshore traffic zone tend to stay a little further east and so yachts traveling very close to the eastern boundary of the northbound traffic lane should be able to keep out of their way.

Fishing boats are a hazard, especially at night when their lights can be very hard to understand. They routinely lay drift nets to the edge of the main traffic lanes, but fortunately these nets are set deep enough for yachts to proceed safely over them. A line of white plastic floats with nothing obvious between them usually means that the net can be safely sailed over.

Inside the 10 metre line there are extensive surface nets which are a menace. In 2015 and 2016 there were reports of nets being deliberately laid upstream of anchored yachts, with the likely intention of demanding compensation once a yacht had been caught. It therefore seems logical to keep offshore as far as possible, which in this case is the edge of the main northbound shipping lane.

Yachts proceeding to or from Sumatra should, of course, cross the shipping lanes at a 90° angle to the main traffic flow.

2.11 ANCHORAGES NEAR PORT DICKSON

From Selat Lumut it is an easy day sail to or from Port Dickson. Recommended anchorages south east of Pulau Burung include 02°32'.64N 101°47'.62E, in 3.5 metres and 02°32'.57N 101°47'.13E, in 5 metres at low tide. An alternative is at 02°30'.79N 101°48'.23E, just east of a Prohibited Anchorage. There is a boat ramp and beaches that are suitable for landing in settled conditions. *There is a McDonalds Restaurant ashore, and three major supermarkets/department stores. There are also very good fruit shops.*

Just south of Admiral Marina (see below) there is an anchorage with good shelter in an artificial basin. Approach via 02°28'.13N 101°50.00E, then 02°28'.28N 101°50.71E and 02°28'.36N 101°50.75E. Anchor around 02°28'.35N 101°50.96E, 2 metres at chart datum, on mud. . Further east there is a circular basin which has sufficient depth for multihulls.

2.12 ADMIRAL MARINA, PORT DICKSON

The entrance to this well run marina is at 02°28'.76N 101°50'.68E. From the north-west, the approach waypoint is 02°28'.89N 101°48'.98E From the south, the approach waypoints are 02°25'.15N 101°50'.81E, then 02°25'.99N 101°50'.91E, then 02°27'.11N 101°50'.65 and finally 02°28'.11N 101°49'.93. The marina monitors VHF Channel 14. Port Dickson is a Port of Entry.

The marina's website is at www.admiralmarina.com.my Email info@admiralmarina.com.my The marina's office phone number is 606-648 2514. The Marina Club phone number is 606-647 0888. The mailing address is Admiral Marina, Batu 5½, Jalan Pantai, 71050 Si Rusa, Port Dickson, Negeri Sembilan. Fuel can be arranged. Daily rates approximate to RM 1.50/foot/day for monohulls, discounted for longer stays. Catamarans are charged 1.5 times the monohull rate, if placed in a double berth.

There are free WiFi facilities ashore. There is a laundry, a fine swimming pool and a good restaurant. There are cheaper restaurants, sundry stores, a mini-mart, a pharmacy a 7-11 store and a good laundromat 10 minutes walk away: turn right on the main road. There are hardware stores and automotive shops further south on the same road. A taxi to Melaka (Malacca) takes around 60 minutes and costs about RM 150. Port Dickson is a good place from which to explore Melaka. The Kuala Lumpur International Airport is about a hour's drive from Port Dickson.

2.13 MELAKA (MALACCA) MARINA

This marina opened in November 2009. The entrance is at 02°11'.22N 102°14'.46E. Melaka is a Port of Entry. In 2016, two yachts arriving from Indonesia were efficiently cleared in. The various necessary offices are all within easy reach of the marina.

In 2019, depths at Chart Datum were reported at 0.8 metres in the entrance, and 1.7 metres on the outside dock. The marina's seawall consists of closely-spaced vertical steel piles, which seem to have accelerated the silting. These piles can also permit a dangerous surge to enter, accentuated by the shallow water. Locally strong squalls (known as 'Sumatras') can make the marina hazardous. In 2010 the Sail Malaysia rally fleet was moored in the marina when a moderate Sumatra had heavy monohulls rolling at up to 30° from the vertical. The aluminium docks threatened to break up and many yachts were re-tied to piles. Most of the docks were later removed, but in 2018 there were pontoons along the shore and southern sea wall. In 2019 there was potable water half way down the dock, but no power. The marina facility has 24 hour security and seems to welcome visitors even if they anchor outside and just bring in their

dinghies. In 2013 it was reported that visitors were charged RM 30/day to moor a dinghy in the marina, but in 2016 no fees were requested. The official rate is apparently RM 1/metre/day for yachts or dinghies

There is a large anchorage area outside the marina around 02° 11'.08N 102° 14'.40E To the north, massive reclamation schemes now extend about a mile offshore, the furthest extent estimated at 02°10'.6N 102°13'.6E in 2017. In theory this should afford the anchorage some protection. But in November 2018 a moderate squall caused several rally yachts to drag and many were compelled to get underway after midnight. It quickly became extraordinarily rough, considering that the squall was less than gale force. In 2019 a more sheltered anchorage half a mile from the marina was recommended at 02° 10'.99N 102° 13'.96E, about 3 metres on sand.

Melaka was one of the original Straits Settlements, but the waters proved too shallow for the new steamships and Singapore took over its role as the trading hub of the area. The City is a UNESCO World Heritage Site and should be a priority for all visitors to Malaysia.

2.14 ANCHORAGES IN THE SOUTH MELAKA (MALACCA) STRAITS

For those wishing to anchor overnight on their way north or south the following anchorages/open roadsteads have been used in the past:

Pulau Besar (Water Islands) 02° 06'.5N 102° 20'.6E. Good holding on mud. A recommended alternative is at 02° 07'.17N 102° 20'.04E In 2015 it was reported that powerlines with an unknown clearance now stretch from the mainland to the Water Islands. ***** The approach waypoints as follows:

1. 02° 07'.62N 102° 19'.09E
2. 02° 07'.43N 102° 19'.76E

Muar Town, 02° 02'.95N 102° 33'.23E, near an abandoned marina on the south side of the river. There is a ramp that offers access ashore, from which it is a 500 metres walk to town. An alternative anchorage near the Marin Polis at 02° 02'.96N 102° 33'.80E can have strong currents and much floating debris. Dinghies can no longer be left at the Polis dock. In some areas the bottom is foul with plastic and the holding is poor. Un-fouled areas have good holding on mud. The approach, with a reported minimum of 0.9 metres at chart datum, as follows:

1. 02° 03'.40N 102° 30'.13E
2. 02° 03'.53N 102° 31'.09E
3. 02° 03'.32N 102° 32'.22E.
4. 02° 03'.17N 102° 33'.11E

Also known as Queens Town (Maharani Bandar), Muar is a Port of Entry. *There are good markets and restaurants. The Elephant Coffee Shop near the market is recommended. Melaka is perhaps 50 km by road. There are buses*

Batu Pahat 01°49'.34N 102°54'.03E, in 5 metres. Good holding on mud. Access ashore is possible via the Jabatan Laut jetty or the Customs dock. Landing may also be possible on private jetties. An alternative anchorage near town at 01°56'.17N 102°55'.45 E is not recommended as there are strong currents and much floating debris. In some areas the bottom is foul with plastic and the holding is poor. There are otters and big crocodiles in the river.

The approach follows the shore, with a sandbank to the west. In 2017 the minimum depth found a chart datum was 0.8 metres, with a range of up to 3 metres at springs. The approach waypoints are:

1. 01°47'.06N 102°52'.66E
2. 01°47'.66N 102°53'.15E
3. 01°47'.84N 102°53'.36E.
4. 01°48'.19N 102°53'.61E
5. 01°48'.60N 102°53'.63E
6. 01°49'.12N 102°53'.49E

Batu Pahat is a large friendly town. There is a Chinese food court and a daily wet market near the anchorage. The market is closed on Thursdays. There are frequent buses to KL and Singapore.

Pulau Pisang To the north of Pulau Tanda: 01°28'.48N 103°14'.23E. There is adequate holding on mud and shells. An alternative is 01°28'.45N 103°16'.03E, in 7 metres, with sticky mud. Or to the south of Pulau Pisang: 01°27'.80N 103°16'.01E in about 5 metres at low tide.

Pulau Kukup 01°19'.88E 103°26'.40E in five metres on mud with good holding. A Port of Entry with ferries operating to Indonesia. There is a small landing to the north of the ferry jetty, and some restaurants have steps ashore. There are many fish farms. An alternative anchorage south of the green beacon is reported at 01°17'.54N 103°26'.61E Depths are reported shallower than charted. *Ashore there are two small general stores.*

Tanjung Piai. In 2016 the previously reported anchorage around 01°16'.5N 103°31'.4E sadly became part of a reclamation scheme, despite being adjacent to a National Park. Those needing an anchorage to await light when heading east into Singapore or to Puteri Harbour/Danga Bay (see below) should now consider Pulau Pisang or Pulau Kukup (see above.)

Pulau Merambong 01°19'.47N 103°36'.91E. This is an ideal anchorage for an early-morning start when heading east around Singapore (see Section 3: Singapore, below). In 2017 many dredgers and sand barges associated with the Forest City development were reported to be cutting close to this anchorage. A quieter alternative is north of the bridge, around 01°21'.7N 103°37'.8E. There are several unlit fish farms in this area.

2.15 ONE 15 MARINA PUTERI HARBOUR MALAYSIA

Both **One 15 Marina Puteri Harbour Malaysia** and **Danga Bay** (see below) are north of the Second Link (Tuas) bridge with a maximum authorised clearance of 25 metres at high tide. The maximum tidal range is about 3 metres.

Keep to the Malaysian side of the waterway. Singapore operates patrol boats that monitor all traffic in Singapore waters, 24 hours a day. On the Singapore side north of the bridge is a live-firing range.

First class docks have been installed in a spacious marina at 01°25'.12N 103°39'.49E. Call One 15 Puteri Harbour Malaysia on VHF 18 to request a pilot or for berthing instructions.

The marina's mailing address is One 15 Marina Puteri Harbour Malaysia, Satellite Clubhouse, Lot PTD 141090, 79000, Iskandar Puteri, Johor, Malaysia. The phone number is +607 530 2122. Fax: +607 530 2125. Email: marina.ph@one15marina.com There are toilets and showers, washing machines and dryers. Water and electricity are metered. There are ATMs. A new International ferry terminal opened nearby in 2014. Immigration, the Jabatan Laut and Customs have offices there. In 2016 it was reported that these offices apparently refuse to deal with visiting yachts except via One 15 Marina Puteri Harbour Malaysia, which they say has been appointed as their agent. In other words, yachts cannot check in or out here unless they are berthed in the marina. Alternative Ports of Entry are Port Dickson (see Section 2.12), Malacca (Section 2.13), Pengilih (Section 4.3) and Sebanu Cove (Section 4.4). A fuel dock opened in May 2014, but by April 2015 it was no longer operational. When the rally visited in 2015, diesel was made available by road tanker at a price of RM 3.00/litre when the price at road stations was RM 1.95/litre. In 2018 it was reported that diesel was available at the ferry terminal.

A free minibus service runs twice weekly to a local shopping complex with a Tesco, Giant and Jusco. Once a week there is also a free minibus to the local night market. To travel to Singapore, take a Grab taxi to Mall of Medini (about RM 6). From there catch an approximately hourly Causeway Link bus, CW7 or CW7L, to the Tuas Interchange in Singapore: RM 4.50, S\$ 4 to return.. The Tuas Interchange is a major hub with links to the MRT (light rail) system. *Puteri Harbour Marina is part of the huge Nusajaya development. The Johor government has moved into the area. There is a lot of construction in progress, and little of interest lies within walking distance of the marina. Note that the BBC World Service is broadcast 24 hours a day from Singapore on 88.9FM.*

2.16 DANGA BAY

The new Danga Bay Marina is two miles west of the causeway to Singapore. There is no access through the causeway for yachts or dinghies. Danga Bay Marina is north of the Second Link (Tuas) bridge with a maximum authorized clearance of 25 metres at high water spring tides. Keep to the Malaysian side of the Johor Straits. On the Singapore side north of the bridge is a live-firing range.

The original Danga Bay Marina opened in 2008 and closed in October 2014. In early 2017 it was reported that a new marina had been built a few hundred metres to the north of the original site around 01°28'.55N 103°43'.22E But in October 2018 the gate was padlocked and only two apparently abandoned vessels were moored on the docks.

The approach waypoints, with depths below chart datum in March 2017, are:

1. 01°27'.87N 103°43'.39E 2.8 metres
2. 01°28'.06N 103°43'.37E 2.0 metres

The new marina is at The berths are very long and narrow. The downstream berths are deeper, with depths on the outer docks ranging from 2.0 to 4.4 metres below chart datum. The centre berths have 1.6 to 3 metres, the inner berths 0.4 metres to 4 metres. Currents are reported to be swift, especially around the downstream docks. An approach at slack water is suggested. There is often a significant amount of rubbish in the muddy waters. The fouling is severe.

It may be possible to arrange a berth. The contact details are: Adrian Leong Chi Wan (Sales and Marketing), email adrian@iskanderwaterfront.com Ph +607 2333 888 ext 3710, Mobile [+6012 738 3865](tel:+60127383865) Rates may be around RM 150/week or RM 600/month, plus water and power. Security is doubtful.

Ashore there is are several restaurants within walking distance. There is a permanent funfair. Access to downtown Johor Bahru (JB) is easy. There is a bus stop close to the nearby footbridge that crosses the main road. Ask the bus driver for "City Square" The fare should be about RM 1.50/RM 1.70 depending on the bus company. In 2015 the main bus terminal in downtown JB moved to between the railway station and the Customs, Immigration and Quarantine (CIQ) complex. Buses to/from Danga Bay use this terminal. Note that Danga Mall is north of downtown JB, and not adjacent to Danga Bay. The Plaza Pelangi is recommended for computers and electronics. There are small supermarkets in downtown JB. There is a Tesco at KSL City Mall, which is served by buses from the downtown terminal. There is a Tesco and a Jusco at Tebrau, which are also on a bus route. Intercity coaches go from Larkin bus station. Taxis from Danga Bay to downtown JB or Larkin should be RM 8-10. Most local taxis are now using their meters, which is a welcome development. Grab taxis are plentiful.

From Danga Bay, take a bus in the other (northbound) direction for a Giant supermarket at Tampoi. Kipmart, beyond Giant on the same road, is recommended for fresh supplies.

To catch an inexpensive bus for Singapore (see Section 3, below), head to the downtown CIQ building. There are often long queues in both directions during rush hours, weekends and public holidays. In 2015 a bus from JB to downtown Singapore was RM 3.80, S\$3.50 to return. Having cleared from Malaysia, proceed to the bus station which is underneath the CIQ complex. Alternatively, Mr Chang is a highly recommended taxi driver who charges about S\$60 for up to 4 passengers from Danga Bay to downtown Singapore, which usually takes 30-40 minutes. His phone number is +6 016 731 8358. He can also be booked to pick up passengers arriving at Changi Airport in Singapore.

Mr Joni Oan, a retired ex-skipper, is reported a very good contact for those seeking yacht-related goods and services in Singapore. His phone numbers are 087 858 638393 and 081 271 434108. His email address is: jonieliasaroan@yahoo.co.id

Note that the BBC World Service is broadcast 24 hours a day from Singapore on 88.9FM.

2.17 COUNTRY GARDEN MARINA

This marina is just south of Danga Bay. It opened in 2014. There are berths for 16 yachts. The marina has no seawall and the outer docks can be affected by waves and wash. Major construction was completed in November 2017. During construction some yachts had rat problems, but the rats seem less of a problem now that the major works are complete.

In November 2018 the daily rate for a 45ft monohull was RM 80, or RM 1200 per month, inclusive of electricity and water. Catamarans are charged 1.5 times the monohull rate. For more details or to make a reservation, contact Chen Ying Ying at chenyingying19@countrygarden.com.cn There is plenty of room to anchor off the marina around 01°27'.75N 103°43'.35E: 6 metres on mud and sand. In 2016 there were a few sand barges, some arriving to dry out on a nearby sandbank for repairs. Dinghies can be safely left at the marina: RM 20/day.

Marina tenants may use the pool at the adjacent Phoenix Club House. There are showers, a sauna, WiFi links and free non-alcoholic drinks in a glamorous lobby lounge. About a dozen shops and cafes are a short walk from the marina. A small supermarket with fresh fruit and vegetables opened in October 2016. For further details on nearby facilities and public transport to downtown Johor Bahru, see Danga Bay (above).

SECTION 3: SINGAPORE

3.1 PASSAGES THROUGH THE SINGAPORE STRAITS

Traffic is exceptionally heavy. Night passages around Singapore are not recommended. Slower vessels or those encountering foul tides and unable to complete the voyage in daylight should consider proceeding south of the Traffic Separation Scheme (TSS) into Indonesian waters where anchoring is permitted. It is either illegal or impractical to anchor in Singapore's territorial waters.

Tides in the Straits are strong and complex. Passages need careful timing. Computerised tide tables like the British Admiralty's 'Total Tides' seem to give fairly accurate predictions of the tidal currents. The most favourable tides east or westbound seem to occur at intervals of about two weeks

3.2 PROHIBITED AREAS

Police and Maritime vessels operating east of Kusu Island (01°13'.40N 103°51'.70E) in 2018 intercepted yachts in transit and demanded they leave Singapore waters. Many were instructed to head south across the TSS into Indonesia. Patrol boats came up very close alongside yachts that didn't immediately comply, to force a change of course. If this extraordinarily aggressive policy continues, accidents are inevitable. It's suggested that both east and westbound yachts should now proceed very close to the northern boundary of the TSS, where their presence still seems to be tolerated. Westbound vessels can enter the TSS if they wish. Yachts proceeding to or from Pengilih or Sebana Cove (see below) should round 01° 17'.36N, 104° 07'.30E to skirt the Singapore maritime boundary. This diversion adds about four miles to the trip. West of Kusu Island the Singapore authorities seem less intolerant and so far there are no reports of yachts being forcibly redirected.

In 2018 there was a maritime boundary dispute between Malaysia and Singapore. The original maritime boundary southwest of Singapore was agreed before nearby land reclamation schemes. In March 2019 it was agreed to revert to the original boundary, but the issue may flare up again. It is suggested that yachts keep west of 01° 13'N, 103° 36'E to try and keep away from this disputed area.

Yellow buoys mark a prohibited area surrounding the Singapore Navy's Changi base, but with the new procedures mentioned above few yachts will be able to get close enough to risk straying into it.

3.3 VESSEL TRAFFIC INFORMATION SYSTEM (VTIS)

Singapore's Vessel Traffic Information System (VTIS) operates on VHF 73 to the west of Raffles Lighthouse, VHF 14 in the Central Area and VHF 10 east of Changi. There are Information Broadcasts on VHF 09. Yachts may check in with VTIS if they wish, but it is not compulsory. It is sometimes useful and always entertaining to monitor the VTIS channels when on passage around Singapore.

3.4 AUTOMATIC IDENTIFICATION SYSTEM (AIS)

All vessels arriving in Singapore must have a working AIS transponder with a valid MMSI number. There are reports that vessels arriving without an AIS transponder have had to fit one before an International Clearance was issued. No vessel is permitted to sail between ports in Singapore without a

Cruising Permit or an AIS transponder. For those without a transponder, visiting Singapore by public transport is now an even more attractive option (see Section 3.7 below.)

In 2017 several yachts without working AIS transponders were intercepted by the Singapore Maritime Police. These yachts were permitted to continue on their way. but it seems likely that AIS transponders are now considered compulsory for all yachts in Singapore waters, even for those in transit between Malaysian ports.

3.5 FORMALITIES IN SINGAPORE

Entry formalities were changed and made more complex in 2016. Raffles Marina has information on the new regulations. See: www.rafflesmarina.com.sg/marina_ser.htm#immi An alternative source is at <http://one15marina.com/images/Marina/ARRIVINGTOSINGAPORE.pdf> Changi Yacht Club has similar data: www.csc.org.sg/contact-us/immigration-clearance

Approved marinas (examples are Raffles and One15, see below) can enter yacht crews into the new CREW system for a charge of S\$ 20 plus GST. But yachts must now also have an approved agent. Agents fees are unknown *****, although at www.rafflesmarina.com.sg/pdf/CIQP_Rates-1July2015.pdf a charge of S\$ 170 plus GST is quoted for most yachts, payable on entry and again on departure.

Visiting yachts must also pay port fees. In 2015, Official Clearance cost an additional S\$ 30/yacht.

The Singapore authorities should also be notified 12 hours (some sources say 6, others 24 hours) before arrival, by providing the following information by email to the Singapore Port Master at noa@mpa.gov

1. Name of Vessel
2. Call Sign
3. MMSI Number
4. IMO Number (few yachts will have one)
5. Draught (in metres)
6. Height (air-draught, in metres)
7. Name of local agent (if any)
8. Expected Time of Arrival (in the format DDMMYYYYHHMM)
9. Direction of Approach to Singapore (N,S,E or W)
10. Intended Destination in Singapore
11. Last Port of Call
12. Remarks (such as “medical assistance required” or “engine breakdown” etc)

Immigration clearance can be completed in a matter of minutes at the Western Quarantine and Immigration Anchorage at 01° 13'.2N, 103° 49'.6E or the Changi General Purpose Anchorage at: 01° 20'.2N, 104° 03'.8E. On arrival, vessels not carrying passengers should raise the No. 2 signal flag and No. 5 signal flag. Contact “Western Immigration” or “Eastern Immigration” on VHF Channel 74. Note that the position of the Eastern Immigration Anchorage has recently been moved.

Yachts may anchor or drift while awaiting the arrival of the Customs vessel. Four A4 sized copies of the crew/passenger list will be required, along with passports for all on board, Clearance from the last port and the yacht’s Registration Documents. Immigration will initially offer two weeks on entry.

Even before these new regulations were introduced, very few rally yachts visited Singapore. A far better alternative is to visit by public transport, see Section 3.7 (below). But for those sufficiently affluent and

determined, the following destinations are available. Note that it is either illegal or impractical to anchor anywhere in Singapore waters.

3.6 MARINAS AND YACHT CLUBS IN SINGAPORE

Raffles Marina is close by the east end of the Second Link bridge. One15 is on Sentosa Island (01° 14'.5N, 103° 50'.4E). Both are reported expensive by Malaysian standards. Fuel is available but the fuel dock seems rarely used as supplies are very much cheaper in Malaysia. There is a good chandlery. There is a boatyard at Raffles Marina but 'hot' work such as welding is not permitted and metal grinding is forbidden. This yard is therefore of little use for steel yachts.

Call the One15 Marina on VHF Channel 77 (Callsign: One15Marina) or phone 630 56999 for an assigned berth number. This Marina is recommended, with a "gorgeous" swimming pool and 'state of the art' gym. There is a free shuttle bus from the Marina to Vivo Mall.

The Changi Sailing Club at 01° 23'.66N, 103° 58'.62E offers temporary memberships for visitors and secure moorings. Temporary membership includes the use of all the club's facilities, including discounts at the bar and restaurant, a swimming pool and a free dinghy ferry service if required. Anchoring is prohibited. Multihulls can dry out on the beach if necessary. Call on VHF Channel 77. From the Club there is a regular bus service to Tampines where there is excellent shopping. Packages can be received and held to await your arrival.

The Republic of Singapore Yacht Club (RSYC) at 01° 17'.7N, 103° 45'.7E has very good facilities ashore but their docks are reported to be badly affected by vessel wash and can be very rolly.

3.7 VISITING SINGAPORE BY PUBLIC TRANSPORT

A good way to visit Singapore is to leave your yacht in Malaysia and to take public transport. There are often long queues in both directions during rush hours, weekends and public holidays. In 2015 a bus from Johor Bahru (JB) to downtown Singapore was RM 3.80, S\$3.50 to return. Take the bus to Queen's Street, near Bugis and Little India MRT (light rail) stations. This bus terminus is also close to Sim Lim Square and Sim Lim Tower for electronics and photographic equipment. Oceantalk, #02-42 Sim Lim Square supplies marine electronics: Tel 6270 8105. Computers can be repaired by Mr Ang at #06-24 Sim Lim Square: Tel 9339 8586. Unicell has a wide range of computer and cellphone batteries #02-70 Sim Lim Square: Tel 6337 6548. Marintek is a well-stocked marine chandlers within walking distance of Sim Lim Square: #02-14 Jalan Besar Plaza, Ist Floor, 101 Kitchener Road: Tel 629 88171 Honly Co. has inexpensive rope: 335 Beach Street, Tel 6298 1233. One Sailmakers can make and repair sails: 30 Neveravon Road. Call Bruce Anson on +65 8535 7267 or email bruce@onesails.com.

Certain retailers (including Marintek) will exclude Singapore Sales Tax (7% in 2014) from an invoice if presented with your foreign passport and yacht registration document. The yacht should not be moored in Singapore waters.

Ferries to Singapore operate from Penglih Marina (see below). Transport to Singapore may also be arranged from Puteri Harbour Marina.

Note that the BBC World Service is broadcast 24 hours a day from Singapore on 88.9FM.

SECTION 4: PENINSULAR MALAYSIA: EAST COAST

4.1 RECLAMATION SCHEMES

Singapore's reclamation schemes are extensive to the north, west and now south west of Tanjung Pengelih (01°22'.2N 104°05'.3E). The full extent of Singapore's newly extended Pulau Tekong is now accurately charted on at least some new electronic charts. Reclamation works continue.

A new South Cardinal buoy called 'South Nelayan' at about 01°20'.15N 104°04'.97E now marks the approach to Tanjung Pengelih. Pile-driving barges and other construction equipment (some fixed, some floating) often clutter the approaches to Tanjung Pengelih and the Sungai Santi anchorage (see below). It would be difficult to navigate this area safely for the first time at night.

4.2 ANCHORAGES NEAR TANJUNG PENGILIH

There's a quiet, safe and strategically placed anchorage with very good holding in the approaches to the Sungai Santi between approximately 01°23'.75N 104°06'.25E and 01°23'.10N 104°05'.75E. If you anchor too close to the Naval Base pier at 01°22'.7N 104°05'.5E, you'll be politely moved on.

A good anchorage is reported off Pengelih Marina (see below) at 01°22'.11N 104°05'.16E

4.3 TANJUNG PENGELIH MARINA

This small marina is built alongside a new Customs, Immigration and Quarantine facility. In 2018 the Jabatan Laut closed this marina to yachts, stating that it was henceforth to be a Maritim Malaysia base. Dinghies may be landed on the dock nearest to the Navy Base, north east of the main marina.

4.4 SEBANA COVE MARINA

The entrance to this marina is at 01°24'.85N 104°09'.65E. The approach via the Sungai Santi is straightforward and the recent C-Map charts are believed accurate.

A barge moored on the Sungai Santi has been reported as the "best fuel dock in Malaysia". It had clean diesel for sale at road prices in 2015/16, but in October 2018 the price was RM 2.70/litre when the road price was RM 2.18. The barge is at 01°24'.556N 104°07'.251E Contact Noris Marine at 607-825 2255 or email noris.marine@yahoo.com.

Sebana Cove was once a sleepy resort with a thriving marina. In late 2007 the marina was almost full but by 2014 only a handful of yachts remained. The resort has recently been renovated, but the docks still have many cracked and rotten planks that could prove hazardous. Daily fees increased by 25% in 2017. There are no longer weekly or monthly rates, just daily. Those needing power will need to buy or rent a big 63 amp plug. The polarity of the marina's shore-power is reversed (with the exception of one small dock), but check that they haven't (at last) fixed the problem before wiring up your power plug with the live and neutral wires switched. Sebana Cove monitors VHF 71, but staff now only have handheld radios. Try calling after passing under the powerlines (authorized clearance 30 metres) that cross the Sungai Santi. Phone: 607 826 6688. The Customs/Immigration offices at Sebana Cove were open in 2018.

In October 2018 the swimming pool was open. There are showers and a gym. Walking trails are available, the golf course reopened in 2016. On Sundays there is a minibus to Bandar Penawar, RM 25 per person. Taxis to Sungai Rengit are RM 60+ each way. Grab taxis are rarely available.

4.5 EAST OF THE JOHOR BAHRU/SINGAPORE CAUSEWAY

In 2018 the refusal of the Singapore authorities to permit yachts to transit their waters east of Kusu Island may mean that yachts heading for Senibong Cove will have to hug the Malaysian coast, going east of Pulau Tekong 01° 24'.6N, 104° 03'.8E. and then north of Pulau Ubin 01° 24'.9N, 103° 57'.8E

Pulau Nenas Anchorage

This is the last quiet anchorage when heading west towards the Causeway. Approach from 01° 25'.61N 103° 59'.23E to 01° 25'.77N 103° 58'.74E. There are rocks to the south of this route. Anchor on mud, good holding in 7-10 metres. The chart is inaccurate. The other approach to this anchorage from the southwest was found too shallow in 2014.

Dalac Marine Engineering & Services

This long-established yard has hauled out several yachts in recent years. The approach waypoint is 01° 28'.26N 103° 51'.04E There is room to anchor off the yard, in about 15 metres on mud, keeping clear of the oyster farms. In early 2016 it was reported that the yard no longer permits owners to work on their own boats. See www.dalac.com.my/ for more details.

Senibong Cove Marina

Senibong Cove Marina opened in June 2014. There are 50 berths located at 01° 29'.03N 103° 49'.92E Some 10,000 housing units are being built on the 100 hectare site, for which the marina will one day be the glamorous centerpiece. The manager's name is Gregory Yap: email gregyap@yahoo.com, Tel: 012 407 1880. The website is at www.senibongcove.my/marina/ The marina has three piers: Pier A (up to 12 metres) is RM 40.00/day or RM 1000.00/month; Pier B (up to 14 metres) is RM 50.00/day or RM 1200.00/month; Pier C (up to 16 metres) RM 60.00/day or RM 1400.00/month. All prices include power and water. For multihulls the prices are 1.5 times the above rates. Pets are strictly prohibited.

Permas Jaya is the nearest township, a half hour walk or RM 4-6 by taxi. There are very good shops (including an AEON mall), hardware stores, inexpensive laundries, restaurants and hawker stalls. There are also welders, electricians and an upholsterer.

To approach the marina, look for the gap in the oyster farms at 01° 28'.71N 103° 49'.76E There is a charted obstruction at 01° 28'.73N 103° 49'.94E marked by sticks. A reported shallow patch with only 0.8 metres at chart datum is at 01° 28'.838N 103° 49'.777E, very close to the first port and starboard lateral marks in the entrance. The marina monitors VHF 09.

Note that the BBC World Service is broadcast 24 hours a day from Singapore on 88.9FM.

East of the Causeway Anchorage

There is an anchorage around 01°27'.43N 103°46'.32E, close to the causeway: 15-18 metres on mud and heavy clay. The holding is suspect. The old Polis Marin station nearby has gone. Instead there is a show-house for a residential development called Princess Cove. In 2014 there were two huge signs saying: HELLO and R & F WELCOME. Sadly, yachts are not at all welcome at Princess Cove and dinghies may not land at the docks or on the artificial beach.

Further east there is a ramp near the Foon Yew school, by the KFC, which offers shore access at high tide. It's doubtful whether dinghies could be safely left on this ramp for any length of time. The new Customs Immigration and Quarantine (CIQ) complex (with buses to Singapore) is nearby. There is no yacht or dinghy access through the causeway.

4.6 RESTRICTED AREA OFF THE 'RAPID' REFINERY

Works commenced in 2012 on a very large oil refinery complex. These works include three massive as yet uncharted jetties. Construction continues. In 2017 the most recent new jetty construction was reported at 01°19'.5N 104°07.08E There is a new obstruction at about 01°19'.1 N 104°10.6E

In 2016 a yacht was instructed to stay south of a new special mark named DB4 at about 01°18'.79N 104°11.48E, which presumably marks the southern boundary of a new restricted area. Suggested waypoints to stay clear of this restricted area are 01°18'.79N 104°09.53E and 01°18'.79N 104°11.48E

Sometimes there are additional obstructions, some of which may be unlit. Night passages in this area are not recommended at least until new navigational buoys and beacons are installed.

4.7 EAST JOHOR ANCHORAGES

This area is an outstanding cruising ground, and incorporates the Pulau Tinggi Marine Park. There are 13 islands in the Park: Pulau Harimau, Pulau Mensirip, Pulau Gual, Pulau Besar, Pulau Tengah, Pulau Hujung, Pulau Rawa, Pulau Tinggi, Pulau Mentinggi, Pulau Sibul, Pulau Sibul Hujung, Pulau Pemanggil and Pulau Aur. The islands are of volcanic origin, with sandy beaches and extensive fringing coral reefs.

New charges were introduced in late 2016 for all Marine Parks in Malaysia. For non-Malaysians, the fee per entry is now RM 100 per yacht. Fishing is not allowed in marine parks. Offenders can be fined up to RM 20,000 and/or imprisoned for up to two years.

Teluk Punggai

An anchorage is recommended at 01°23'.01 N 104°16'.90, with good dinghy landing in a small nearby bay, sheltered to the south. Another anchorage is reported at 01°25'.8N 104°17'.4E in 5 metres. It's possible to get further into this bay than the chart suggests.

Desaru and Tanjong Pak Mat.

An anchorage at 01°33'.11N 104°16'.31E in a sometimes rocky open roadstead off the various hotels and resorts. Good holding on sand. Some 15 miles north, there is an anchorage south of Tanjong Pak Mat, 7 metres on sand at 01°48'.87N 104°10'.73E. Care is needed to avoid the fishing floats.

Sibu Channel Bay

An excellent overnight anchorage during the south-west monsoon season is reported at 02°11'.94N 103°59'.83E

Pulau Sibu

An anchorage at 02°12'.84N 104°03'.76E in 5 metres on sand, larger and deeper than charted. Enter just north of most northerly fishing house on stilts and head towards the jetty. An alternative is 02°12'.98N 104°03'.42E, 2 metres at chart datum, tucked in behind a reef. Approach via 02°12'.98N 104°03'.42E and then 02°12'.82N 104°03'.83E

Another anchorage is recommended around 02°14'.00N 104°03'.45E. Good holding on sand. *Clear water and good snorkeling on the reef. Backpacker accommodation ashore. Yacht crews are welcome to land. There is a bar offering expensive drinks. A 'Jungle Trek' to another small resort starts behind Hut 8 – about 15 minutes one way.*

Pulau Simbang

There is an anchorage at 02°15'.79N 104°08'.89E Good holding in about 7 metres on sand. In 2017 dugongs were seen close to a yacht in this anchorage.

Pulau Tinggi

Behind a reef at 02°16'.50N 104°07'.22E, 6 metres on sand. The entrance is reported deeper and easier than charted. Ashore there are small resorts. Take stern lines ashore at 02°18'.89N 104°05'.91E, 2 metres at chart datum. This anchorage is only open to the north. Another anchorage is reported at 02°19'N 104°06'E, 11 metres on sand. *A sandy beach. Good snorkelling, several turtles and possibly a resident dugong.*

Poor holding on broken coral was reported in the north bay, around 02°19'.06N 104°06'.24E.

Pulau Besar

There are adequate anchorages on the west coast, but they are close to shore. The Aseania Beach Resort here welcomes yachts. The General Manager is Jasbeer Singh Khaira: Tel +6019 746 9111. Anchor around 02°25'.94N 103°58'.45E, north of a new public jetty. A line of buoys marks the edge of the reef and a protected area for swimmers.

Pulau Tengah/Pulau Hujung

Good anchorages are available between these islands at 02°28'.58N 103°57'.30 in 2.5 metres at chart datum, and 02°28'.80N 103°57'.26E

Jason's Bay (renamed Teluk Mahkota)

A wide muddy bay with good holding. Beware of surface nets marked by flags. To the south an anchorage is recommended at 01°51'33N 104°08'.49E: 1.7 metres at chart datum, 4G internet and there is a nearby river to explore by dinghy.

In 2015 a small group of rally yachts entered the Sungai Sedili Besar at the north of the bay by crossing the reef between approximately 01°55'.3N 104°07'.7E and 01°54'.41N 104°08'.43E. Note that this reef extends south east of the white beacon. (The light on this beacon was reported extinguished in October 2016.) Two yachts were damaged, one seriously. This reef is clearly marked on C-Map charts, but is easy to miss on Navionics charts. Upstream from the river entrance there is a powerline, but room for perhaps two or three yachts to anchor. Yachts should anchor as close to shore as possible to minimise the chances of being run down by a fishing boat.

Pulau Rawa

Good holding at 02°31'.00N 103°58'.48E, but exposed to the west and the likely evening thunderstorms. *There is a private resort on shore, but visitors from yachts seem to be welcome. There is a pool with a giant water-slide. Adam at the resort's dive shop offers highly recommended guided snorkelling and diving tours, for a reasonable fee.*

Mersing

The river bar is reported to be shallower than charted. It is possible to enter the river but the only place to then stop is alongside a fishing boat and other fishing boats will likely want to raft up outside your yacht. It is recommended that yachts anchor offshore and the town centre reached by dinghy. Alternatively, take the ferry from Tioman. *Mersing is a good place to for provisioning with several supermarkets. There is a Yamaha outboard motor dealer in the town. Soon Yien at 80-E Jalan Endau has a wide range of first quality marine plywood: call Mr Yee on 07 799 1024.*

Pulau Seri Buat/Pulau Sembilang

Sometimes informally called 'Butterfly Island', these twin islands are connected by a very shallow reef that dries at low tide. There are good anchorages on sand to the north and south. To the south, 02°40'.5N 103°53'.8E has sand at 8 metres. Further in towards the reef there is sand and sea-grass on a gentle slope. To the north, 02°41'.9N 103°53'.9E is a scenic anchorage in 12 metres on sand, although there are some rocky patches. The reef is steep-to. Small buoys mark the best dive spots on the reef.

A fine beach with good snorkelling on the west side of Pulau Sembilang is accessible by dinghy.

Pulau Aur/Pulau Dayang

There are 20+ moorings between the islands, but these are usually restricted to local boats. Visiting yachts using a mooring have been charged RM 30/day. The anchorage on the Aur side of the bay is small, deep at 20 metres and has a steep drop-off into even deeper water. *Excellent snorkelling and diving.*

4.8 PULAU TIOMAN

New charges were introduced in late 2016 for all Marine Parks in Malaysia. For non-Malaysians, the fee per entry is now RM 100 per yacht. Fishing is not allowed in marine parks. Offenders can be fined up to RM 20,000 and/or imprisoned for up to two years.

Tioman is a duty-free island. **All yachts are required to both check in and to check out.** *Duty free alcohol and tobacco are available, but fuel is at or slightly above mainland prices. Regulations were changed in late 2016, limiting the amount of alcohol or tobacco that could be purchased. These limitations were removed in April 2019. Prices of duty-free goods are generally significantly higher than in Langkawi and the choices much more limited. Most other supplies are generally more expensive than on the mainland.* Petrol is easily available in small quantities, although in common with small islands everywhere, supplies can sometimes run out. Diesel is available in carriers, but inevitably at a higher price. In 2018 diesel was RM 4/litre when the road price on the mainland was around RM 2.20.

Tekek is the main village on Pulau Tioman, with a ferry terminal and airport. The marina is well designed and built and offers good shelter. But it is small and often full. Most rally yachts will anchor off. The authorities in Tioman are understandably anxious about anchors and chains damaging coral and request that visiting boats take great care to anchor on sand. There are anchorages to the north and south west of the marina but some areas are deep and it may be necessary to anchor in 15 metres or more. In 2014 the anchorage to the south-west of the marina was surveyed by divers. In 15 – 21 metres they found “discarded fishing nets, ropes/lines, sunken moorings (blocks, lines, and floats), shipwrecks and even a set of bed springs.” Fouled anchors can be rescued (for a fee) by one of the dive operations on the beach nearby. Violent katabatic winds can affect this area.

A recommended anchorage position in 15 metres on sand, tucked to the east of a relatively shallow coral area, is at 02°49'.43N 104°09'.56E.

Dinghies can be left in the marina as long as they don't block access to the ferry docks. The Jabatan Laut, Customs and Immigration are in the ferry terminal.

Diving tours are offered from Teluk Tekek, a recommended company operates on the beach just south of the marina. Only charter flights now operate at Tioman Airport.

There is a quiet and relatively isolated anchorage at Monkey Bay, but an uncharted shallow coral reef is reported at 02°51'.842N 104°09'.009E, with depths of about 2.6 metres at chart datum. A strong mooring may be available. *Good snorkelling on the north side of the bay.*

The anchorage off Teluk Salang 02°52'.73N 104°09'.15E is not recommended as it is deep at 20 metres or more and cluttered with small-craft moorings.

An anchorage off Kampung Mukut at 02° 43'.0N 104° 10'.4E has good holding in 10-15 metres on sand. There is some snorkelling over recovering coral nearby. *Leave the dinghy at the village jetty and walk to the east before branching left to a popular waterfall. Bathing is possible. There's a good restaurant in Kampung Mukut. The Simukut Hill View Resort is a small, low-key resort with excellent food and drink on a rocky outcrop near the beach: simukuthillview@gmail.com or call Tam on +6012 9190 785*

There is a small anchorage at Teluk Dalam. 02° 49'.88N 104° 11'.76E About 5 metres on sand.

Teluk Juara at 02° 47'N 104° 13'E can be rolly, but there's good holding in about 7 metres on sand and a fine beach. The south end of the bay is often more sheltered, a stern anchor sometimes helps align the boat with the swells. Fresh water is available from a tap on the end of the long pier. Petrol and diesel are available. *Onshore there's a centre to protect turtles, several restaurants and a supermarket. The weekly supply boat arrives on Wednesday evenings or Thursday mornings. There are pleasant walks on the roads and tracks inland from the beach. A nearby swimming hole and waterfall are recommended. It's possible to hike to Teluk Tekek (3 hours one way) or to take a taxi.*

4.9 PULAU TULAI

An anchorage open to the west but otherwise sheltered is reported at 02° 54'.86N 104° 06'.07E on sand in 16 metres. In 2013, six new moorings for A Class fishing boats were reported close to this position. The fishing boats tend to use the two largest moorings, and usually leave them unoccupied at night. But divers checked these moorings in 2014 and found them inadequate for yachts except in settled conditions. In 2019 a yacht was instructed to weigh anchor and to pick up a mooring, which subsequently broke.

This anchorage shelves rapidly to the south, and there are areas of poor holding on broken coral. In 2009 a yacht got into difficulties in this bay during a powerful westerly squall. Similar violence was reported in 2013 and 2014. There are abandoned heavy mooring blocks linked with rope that can (and have) fouled an anchor at exactly 02° 54'.771N 104° 06'.041E, in 20 metres. *Concrete steps at the south-east corner of the bay lead to a navigation beacon for Tioman Airport – a short, shady walk.*

There's also a reported anchorage to the north east of the island at 02° 54'.62N 104° 06'.75E, 8 metres on sand, which is very exposed but popular for diving on the nearby reef. There are several red mooring buoys for the local dive boats.

4.10 ENDAU

Recommended anchorages to await the high tide for the river entrance to Endau are 02° 39'.65N 103° 45'.15E, which is sheltered and with good holding on mud, and 02° 39'.16N 103° 44'.71E off a small fishing village, 1.6 metres at chart datum. An alternative is to anchor at Pulau Seri Buat/Pulau Sembilang (see above). Anchoring off the river entrance is risky. In 2012 a steel yacht anchored near the river entrance was run down by a trawler and severely damaged. The trawler continued into the Endau river without investigating what it had just hit. Repairs to the yacht took months.

The river bar is shallow and the channel moves from season to season. The channel is well marked, but the buoys may not have caught up with the channel's recent moves. In May 2012 a route using the following waypoints provided a minimum depth of just over 3 metres at high spring tides: 02° 40'.92N 103° 40'.63E, then 02° 40'.03N 103° 39'.24E, then 02° 40'.02N 103° 38'.40E, and then mid-river. This route cuts right over a charted mud bank on C-Map charts. It would certainly be worth taking note of the

routes taken by the big C-class fishing boats, many of which are usually underway at high tide. In 2013 the red port hand buoy at about 02°40'.0N 103°39'.14E in the entrance channel was replaced with a black-painted beacon.

The town has good shops and reasonable bus services to Mersing and Rompin, with onward connections to Johor Bahru and Kuala Lumpur. It is possible to anchor on mud to the north side of the river. The holding is suspect in some areas, with much detritus to foul an anchor.

Prospect Dockyard is a railway-based haulout facility and shipyard that has branched into yacht repair and maintenance. The railway suits long-keeled yachts well, but deep fin-keel yachts are less easy to accommodate. Tel: (609) 413 1868. Mobile: 013-931 8900. Email: proboat@streamyx.com. Mark your email FAO Ms Ng. Website: www.prospectdockyard.com.my The yard is reported expert in engineering and engine repairs. Welding and metal grinding is permitted, sandblasting can be arranged. This is one of the few yards in Malaysia that can work on metal yachts. There is a first-class propeller repair shop.

4.11 SUNGAI PAHANG

About 30 miles south of the Sungai Pahang, an unlit steel Safe Water buoy has been reported, apparently attached to a shallow wreck. The position is 03°03'.535N 103°27'.649E

The entrance of the Sungai Pahang is shallow and may not be accurately marked. Dredging and construction works continue. In 2014 the depth over the bar was reported as 1 metre over chart datum. In the river there is good shelter. Currents are strong, with over 3 knots possible on the ebb. There are numerous sandbars and a powerline which will prevent most yachts from proceeding far upriver. An anchorage with good holding is reported south of the river entrance at 03°27'.47N 103°29'.87E. Another anchorage with shelter from a new breakwater is reported north of the river entrance at 03°32'.14N 103°28'.0E An alternative, in 7 metres on sand, is 03°33'.49N 103°27'.10E, within a 'fish reserve'. Shallow draught yachts may be able to squeeze into an anchorage at 03°32'.15N 103°28'.07E, which has very good shelter from the south in the lee of a big breakwater.

4.12 KUANTAN

It is possible to anchor in the Sungai Kuantan. The depths in the river entrance change regularly. In early 2015 it was reported that the starboard-hand buoy in the approaches was missing and that the river bar has become much shallower than charted. Fishing boats were powering their way through the silt to get to sea. The bar deepened again during the 2015 south-west monsoon. The best option may be to follow a big 'C' Class fishing boat. Inside the river, anchorage space is very limited because of a low bridge, but three or four yachts could perhaps squeeze in on the south side of the river across from the Polis Marin station around 03°48'.53N 103°20'.20E. The Polis Marin no longer permit dinghies to be left on their slipway. In recent years, Maritim Malaysia have permitted dinghies to be left on their dock, upstream of the bridge. But neither the Polis Marin nor Maritim Malaysia encourage yachts to anchor in the river because of the risk of being run down by one of the (very many) large fishing boats. Backlighting can make yachts difficult to see at night. Extra anchor lights are essential.

Note that yachts are not welcome in Kuantan Port: 03°58N 103°26'.5E

4.13 SUNGAI KEMAMAN AND BANDAR CUKAI

In 2015 a yacht leaving the Sungai Kemaman on a low tide 0.6 metres over datum found a minimum depth of over 3 metres using the following waypoints.

Both sets of charted leading marks into the Sungai Kemaman have disappeared, but an approach to 04°14'.04N 103°27'.42E and then 04°14'.08N 103°27'.13E is straightforward, passing north of a substantial as yet uncharted rock breakwater. It is possible to anchor in the shelter of the new breakwater but it is shallow, perhaps 1.5 metres or less at low spring tides. In 2014 a yacht anchored at 04°11'.69N 103°26'.71E, 6 metres on sand, to await good light to enter the river.

Head to 04°14'.37N 103°26'.99E, then pass Kemaman fishing village to 04°14'.56N 103°26'.36E. The charted port-hand buoy has been moved to 04°14'.59N 103°26'.23E This must be intended to be left close to port when heading upriver, but having passed the buoy keep well away from the right bank on your starboard side for about 0.2 miles because of a very shallow patch. From 0.2 miles upstream of the new red-buoy keep close to the mangroves on the right hand bank for deeper water to Cukai (pronounced 'Chukai') town. Catamarans can anchor off the town, (one reported position is 04°13'.85N 103°25'.85E, 3 metres on sand), but in 2016 a catamaran's window was broken by a lead fishing weight cast from the shore. Deeper-draft monohulls should anchor downstream off the mangroves. The holding in the deeper water close to the bank is sometimes poor on gravel. There is a lot of high-speed traffic.

Kemaman is the southernmost district of Terengganu, and the town of Cukai is the district capital. "It's the ideal cruisers town" – unpretentious and with excellent shops and light industries". There is dinghy access to the town via concrete steps by a park, although with a tide less than 1 metre over datum the steps are difficult. Other all-tide steps are available, but should be left clear for water-taxi operations. There is a very good market, with a taxi stand nearby. A Shell fuel station close-by to the river closed in 2014 during road-widening operations, and supplies will need to be collected from further afield.

Note that yachts are not welcome in the commercial port of Kemaman, just north of the Sungai Kemaman. In 2014 a yacht found a day anchorage at 04°21'.19N 103°28'.79E, 8 metres on sand.

4.14 TANJUNG SENAJANG

A good if deep anchorage in 16 metres on sand is reported at 04°18'.43N 103°29'.80E.

4.15 RESTRICTED AREA OFF KERTIH REFINERY

Anchoring is prohibited within the Kertih Refinery Port Limits, marked with a pink line on Navionics charts. In 2014 a yacht was politely moved on after anchoring at 04°36'.47N 103°27'.17E. In 2016 a yacht proceeding north about 2 miles offshore from the refinery was informed by radio that yachts are not permitted to enter the charted Port Limits, which extend over four miles offshore. At night many of the ships are not lit, and it is suggested that yachts underway keep well offshore, outside the Port Limits.

4.16 SUNGAI PAKA

There is plenty of depth and room to anchor in the river, but there is an unmarked and dangerous rock in the entrance at about 04°39'.4N 103°26'.5E. There are likely shifting sand and mudbanks over the bar. This entrance should probably only be attempted in settled weather after a careful survey by dinghy.

4.17 PULAU TENGGOL

Pulau Tenggol is a Marine Park. New charges were introduced in late 2016 for all Marine Parks in Malaysia. For non-Malaysians, the fee per entry is now RM 100 per yacht. Fishing is not allowed in marine parks. Offenders can be fined up to RM 20,000 and/or imprisoned for up to two years.

This island looks like a convenient stop-over, and probably has the best snorkelling on the entire east coast. But in the past this anchorage has been crowded with local boats and the apparently available spaces may be too deep. One yacht on the 2010 rally anchored at 04°48'.6N 103°40'.5E in 38 metres (!) In 2016 a rally yacht wished to anchor on a patch of sand in 16 metres at 04°48'.41N 103°40'.53E but was informed by representatives from the local diving operation that all anchoring is now strictly forbidden.

In 2014, three new moorings were available, two of them tied to a wreck at 04°48'.476N 103°40'.610E. These moorings were also available in 2015 and found reliable, although they may not be heavy enough to be safe in a storm-force squall. In 2016 a nearby wreck at 04°48'.42N 103°40'.51E had a mooring attached. This wreck was slowly leaking diesel

Charlie the helpful local dive operator seems to have moved on and his successors seem much less accommodating. Those hoping to pick up a mooring should have a backup plan in case the moorings are all occupied. *Dive trips are available.*

4.18 PULAU KAPAS

Pulau Kapas is a Marine Park. In late 2016, new charges were introduced for all Marine Parks in Malaysia. For non-Malaysians, the fee per entry is now RM 100 per yacht. Fishing is not allowed in marine parks. Offenders can be fined up to RM 20,000 and/or imprisoned for up to two years.

Beware of a floating obstruction and unmarked reef between approximately 05°14'.04N 103°16'.0E and 05°13'.85N 103°16'.0E that are not shown on some older electronic charts. Yachts should approach from the west, not from the east. There is a heavy, unlit steel mooring off the west coast at 05°12'.91N 103°15'.60E, off the concrete jetty. This mooring is hard to see at night. The anchorage around 05°13'.7N 103°15'.8E has mostly good holding on sand although there are areas of broken coral. Several moorings were laid in 2016, but by 2018 they had disappeared.

There is a fine beach to the south of the anchorage with shade trees, ideal for a BBQ. There are simple restaurants on Pulau Kapas. The Gemia Island Resort and Wellness Spa on Gem Island (just north of the anchorage) offers five star dining. There is good snorkelling north and northwest of Gem Island, south of the anchorage and off the east coast of Pulau Kapas. Dive packages are available. There is a substantial cave off the east coast, approachable by dinghy and tenanted by thousands of bats. In 2015 a rally participant photographed an unfortunate bat at the instant it was snatched by an eagle. A short, rugged

but recommended (and in all but the driest weather invariably muddy) trek across the island starts just inland of the Kapas Island Resort and leads to the east coast before climbing a fierce over 45 degree slope (the fixed ropes are essential) and winding around to Lighthouse Point at the south of the island.

4.19 KUALA TERENGGANU

There are recent massive sea defence works and land reclamation schemes. Some new electronic charts now have these schemes accurately charted. What was once a difficult entrance is now straightforward.

In 2018 what will be an opening bascule bridge across the estuary was under construction at about 05°20'.41N 103°08'.65E. In 2019 pictures were circulating of the bridge nearing completion, with the spans closed and with insufficient clearance for sailing yachts. It is not known when the bridge will become fully operational. ***** There is clearly a risk of yachts being trapped upstream of the bridge.

The entrance to the river is between two rock breakwaters at 05°20'.42N 103°09'.25E. From the breakwaters it is a straight and deep approach almost exactly west to the Duyong Marina and Resort (renamed from the Ri-Yaz Heritage Marina in 2015) at about 05°20'.3N 103°07'.9E. There is also a fine anchorage north of the marina around 05°20'.46N 103°07'.90E. The long marina dock parallel with the shore is used by rig-support tugs, the Science University's research vessel *RV Discovery* and superyachts. It should not be obstructed.

The river water is opaque and contains an orange/yellow silt that can stain topsides. The fresh water and silt together seem swiftly fatal to barnacles and weed growth. The stains wash off eventually.

Duyong Marina

The marina monitors VHF Channel 69, but sometimes their radio is switched off or has a flat battery. The marina's phone number is: 609 627 7888. Rates increased in 2014 to RM 3.80/metre/day for monohulls, and RM 5.00/metre/day for multihulls. There are discounts for longer stays. Water is RM 7/1000 litres and power RM 0.50/kWh. Security may be an issue for yachts moored on the docks. Laundry can be arranged, ask at the Marina office.

The marina can accept mail and packages. The mailing address is Duyong Marina and Resort, [Your Name, Your Boat's Name], Yacht in Transit, Duyong Marina and Resort, Pulau Duyong, Kuala Terengganu, Terengganu 21300, Malaysia. Your package may be waiting at the Marina Office, or the Resort's Reception Desk, or at the Security Office. Duties may be payable.

Official Formalities

The Jabatan Laut and Customs offices are easily found opposite each other on Jalan Hiliran, the road leading south west from downtown, close to the river.

Prior to departing for the Anambas Islands, in 2018 all rally participants were required to clear Immigration at the Kuala Terengganu Airport. A Clearance could only be granted on the actual day of departure. Grab taxis proved an economical way of visiting the Airport. In 2016 it was also

made clear that yachts must now clear with Immigration on arrival from any other Malaysian State. It is hoped this new and unusual interpretation of the rules will soon be amended.

Fuel

In 2016 the marina was able to organise deliveries of diesel fuel in carriers for RM 2.00/litre when the price at road stations was RM 1.55/litre.

Upstream from the marina, a few metres from the bridge on the east side, there's a fuel dock. Only diesel is available. The dock is usually cluttered with fishing boats but they are happy for yachts to raft up. Upstream from the marina the river is quite shallow in parts. It is therefore suggested that yachts should plan to arrive at the fuel dock shortly after high tide, when the ebb would push them away from the (low) bridge if the engine failed. The fuel hose is long enough to reach across several boats. In 2009 one yacht loaded over 1500 litres of diesel at this fuel dock. In 2016 the quoted price for fuel from this fuel dock was RM 2.00/litre when the road price was RM 1.55/litre. It may also be possible to purchase fuel at 'road' prices from the Caltex station across from the 'Waterfront' park, just upstream from the tall Felda Residences hotel on Jalan Hiliran. There is a 'step' accidentally built into the seawall, which inadvertently provides adequate access ashore from a dinghy.

In Town

There is a dinghy dock downtown, near the new (and striking) pedestrian suspension bridge close by the municipal market. This dock is used by river-tour boats, and dinghies should be tied up close to the wall to leave the dock available for larger vessels. There is another dock suitable for dinghies half way down the new 'canal' that has the suspension bridge at its seaward end. Dinghies can also be left on the beach near the tour boat dock.

A first-class Laundromat is on Jalan Banggol, within walking distance of the market.

The Esso/Petronas gas shop in Kampung Cina (Chinatown) is highly recommended. Contact Sun Mee Heung on 09-622 1203. They can fill foreign bottles. A Shell gas shop on the same road can decant gas from local to Australian and US bottles.

There are many automotive parts suppliers further along Jalan Hiliran. Fishing boat supplies, including stainless steel bolts and epoxies can be found at Haji Embong Muhamad dan Anak, 21-B Jalan Hiliran (near the main bridge). Similar supplies are available from Timor Jaya Engineering Parts Supply, at 15 Jalan Hiliran, close to the Shell station. Mr Tan at Shidaro hardware store (opposite Haji Embong Muhamad) has plumbing supplies and is a very useful source of information. Terengganu Diesel Fuel Pump is a highly recommended firm run by Ah Wee and family: 012-989 9772 or e-mail tdfp68@gmail.com The company has US\$80,000 worth of specialised Bosch equipment for servicing diesel fuel pumps and injectors. Ah Wee will come to the boat at the marina if necessary. Duhua Resources at 42A Jalan Hiliran Masjid are agents for Jotun paints, thinners and epoxies. Contact Ms Bella on 019 340 3632. In 2016 a yacht's freezer was repaired by Hashim CYC Engineering and Services: Abdul is the manager: 019 946 5630 and 019 984 9460. Try Shariat Hi-Cool at 09-622 2448 for refrigeration parts. Fock Sen Hin at 94 Banggol (near the HSBC bank) has a wide selection of oil filters. *Dentique is a recommended*

dental surgery. Call 09 622 5898, email dentique.dental.surgery@gmail.com or call at 80-D 1st floor, Jaland Petani, 200000 Kuala Terengganu.

Beyond the bridge are the Crystal Mosque, Islamic Convention Centre, Islamic Edutainment park and the highly recommended Terengganu State Museum. This museum can be visited by dinghy. There is a dock with concrete steps at the museum, or dinghies can be left at the now disused ferry slipway just down-river. The ferry ceased operations when the bridge was opened.

Rental Cars

A recommended car rental agency is DYG Travel at Terengganu Airport. The owner/manager is "Zul" Zulkefli Salleh at 019-983-3103 or e-mail zul@dygtravel.com.my. The web site is www.dygtravel.com.my Ask for a 12 hour rental, which in 2016 cost RM 100. Zul will deliver the car to the Marina, deal with the paperwork, accept payment by credit card and will pick up the car the next day.

Visa Runs to Thailand

Visa runs to Thailand are possible by bus or by hiring a car. If two couples can share a car, it's cheaper than the bus. The SP Bumi bus company runs buses every two hours to/from Kota Bahru, with the first leaving at 08.00 from the Kuala Terengganu Express Bus Station, downtown. The first bus is often full so get tickets early. In 2014, tickets were RM 16/person one way. After arriving in Kota Bahru (usually around 12.00), immediately get a bus to Rantau Panjang – which takes an hour and costs RM 3.00 At the border, walk on to check out of Malaysia and into Thailand at Golok. Golok is unsafe for foreigners and Thailand Immigration will be relieved to hear that you are heading straight back to Malaysia. Having cleared back into Malaysia, catch the bus or hire a taxi (RM 25 in 2013) to Kota Bahru in time to catch a bus back to Kuala Terengganu.

4.20 PULAU BIDUNG

This island was once a Vietnamese refugee camp. Some areas are foul with the wrecks of refugee boats scuttled on arrival. Several of these wrecks are clearly visible when the sun is high. The local fishing fleet uses the red-roofed jetty as a daytime base. Dinghies can be tied up there. *Ashore are the remains of a village, including a temple, church and several wells. There is a memorial for the refugees. There are walking trails.*

Anchoring in Refugee Bay (near the red-roofed jetty) is not recommended because all kinds of detritus (including a concrete turtle, railings, a train carriage, a backhoe and a truck) have been dumped to encourage coral growth. Three fish (or possibly seaweed) farms (named in one report as “Octopi from Outer Space”) once occupied the only area suitable for anchoring in Refugee Bay. But in 2018 only one partly sunken ‘octopus’ remained at 05° 36’.70N 103° 03’.32E The others are presumably on the seabed. In 2018, the other fishfarms that were in this area were either missing or wrecked on the beach and the nearby moorings had disappeared.

The best anchorage is around 05°36'.60N 103°03'.63E, 12 metres on sand. This anchorage shelves rapidly to a fringing reef. Ashore is a Universiti Malaysia Terengganu research station. Visitors are welcome. With permission, well water could be collected for laundry and showers

There is very good snorkelling in the area. Sightings in 2014 included nudibranchs, turtles, sharks, rays, sponges and many species of fish, in water with 12 metres visibility.

The small and uninhabited Pulau Geluk is two miles north of Pulau Bidung. There is an anchorage to the west of the island with excellent holding on sand in 12 metres around 05°39'.40N 103°03'.90E *The best snorkelling is to the south-west and north of the island, with lots of fish and juvenile sharks. The visibility can be amazing; up to 30+ metres in 2014. Drift dives with a dinghy are also recommended off the north-east corner of Geluk, where currents may be strong and unpredictable.*

4.21 PULAU REDANG

Pulau Redang is a Marine Park. In late 2016, new charges were introduced for all Marine Parks in Malaysia. For non-Malaysians, the fee per entry is now RM 100 per yacht. Fishing is not allowed in marine parks. Offenders can be fined up to RM 20,000 and/or imprisoned for up to two years.

The whole island has been dedicated to tourism. There are several possible anchorages.

Harbour Bay off the Marine Park Headquarters.

A large anchorage at 05°45'.07N 103°00'.10E or moorings may be available around 05°44'.9N 103°00'.2E. There is a lot of fast traffic. The fuel dock is now closed, but diesel is available from a shack at the shore end of the pier. Fuel is available the islands' ferry dock. *There are facilities in the village but it is a long walk.*

Off the East Coast.

There is some shelter behind small islands and reefs at 05°45'.6N 103°01'.5E, but the traffic from resort boats is noisy and creates lots of wash.

Coral Island Redang Resort

There is a fine anchorage around 05°46'.56 N 103°03'.30E., where the rally had a very successful stop in 2016. The resort is welcoming and can offer dive trips. There is no road access, but there is a footpath to the North East Bay (see below).

Off the West Coast

There are two moorings intended for small boats at 05° 47'.28N 102° 59'.46E. There is also room for one yacht to anchor overnight, with water clear enough to find the sand in about 15 metres. The beach is used by nesting turtles and yachts are requested not to show anchor lights at night.

North West Bay

One yacht has reported a very tight but just possible anchorage at 05° 48'.91N 103° 00'.43E, 10-12 metres on a large 'V' of sand between coral, *with good snorkelling nearby. Ashore is a turtle sanctuary with a university outstation. Landing is prohibited on the beach to avoid disturbing the turtles. The university outstation does not encourage visitors for the same reason.*

North East Bay

There are moorings in the south-east corner of the bay, but they are usually occupied by fishing boats and Maritim Malaysia patrol boats, often rafted up. A quiet anchorage off the white sand beach around 05° 47'.23N 103° 01'.06E is recommended. Other anchorages include 05° 47'.29N 103° 01'.76E with good holding, 10 metres on white sand. There are also tangles of abandoned moorings and nets, but the water is so clear that with good light these can be avoided. The holding is marginal on broken coral in the centre of the bay. It is much better to the east. Katabatic winds can affect this bay in squally weather.

Superyachts and large Police boats regularly anchor off the glamorous and friendly Taaras Resort and Spa. The resort has a floating dock *and a fine (if inevitably expensive) restaurant and bar.* In 2014, visiting yachts were kindly permitted to land dinghies on the resort's floating dock, and officially non-potable water was available from a nearby tap. *There are cheaper local restaurants in a kampung inland from the resort. This kampung also has small shops for simple provisioning. In 2014 a new mini-market was prepared to organise special orders from the mainland. The resort can be bypassed by landing on the white sand beach to the east, behind which is a track leading to a road to the kampung. Taxis are available. At the far-east end of the beach a track leads to another resort on the east coast: half an hour's walk each way.*

Note that it is likely that yacht crews can no longer clear Immigration at Redang Airport, as in 2015 there were no International flights to/from Singapore or Thailand. If International flights resume, Customs clearance for yachts leaving Malaysia is not available at the airport, and must be completed in Kuala Terengganu (see above).

There is very good snorkelling on coral gardens close to the rocky shores, and the beaches are excellent. There are lots of turtles too, often grazing on the sea-grass. Note that water clarity is often better off Pulau Redang than further north.

4.22 PULAU PERHENTIAN

Pulau Perhentian is a Marine Park. In late 2016, new charges were introduced for all Marine Parks in Malaysia. For non-Malaysians, the fee per entry is now RM 100 per yacht. Fishing is not allowed in marine parks. Offenders can be fined up to RM 20,000 and/or imprisoned for up to two years.

Pulau Perhentian Besar

The anchorage to the south of Perhentian Besar at Teluk Dalam (05° 53'.3N 102° 44'.9E) is deep and has many coral heads to foul an anchor. There may be moorings available. *There are several small resorts ashore.*

The channel between the two islands has many possible anchorages. Two adjacent anchorages reported off the Perhentian Island Resort are 05° 54'.11N 102° 44'.18E (8 metres on sand) and 05° 54'.35N 102° 44'.44E (good holding on sand). There are large numbers of high-speed craft and swimming from a yacht could be hazardous. One recent report says "You would be crazy to get in the water in the Perhentians" In some areas the water taxis ignore all safety rules and so are spectacularly dangerous for swimmers and divers. Closer to shore there are roped-off areas for swimmers but the water taxis sometimes proceed through these areas at high speed. *Ashore there are two paths leading to the cellphone tower nearest the anchorage. A path continues from the cellphone tower to the south bay (Teluk Dalam).*

There is an anchorage north of Turtle Point (05° 54'.71N 102° 44'.94E) - off the headland between two beaches with good holding on sand in 10-15 metres. Further offshore are small dive-boat moorings over artificial reefs. The beaches are reserved for nesting turtles after sunset and visitors are prohibited without permission.

Pulau Perhentian Kechil

Moorings off the friendly kampung to the south of Perhentian Kecil are too small for yachts but there is room to anchor outside them. *On shore there are simple restaurants. The shops are reported to have a better selection than in Pulau Redang. Fuel, ice and some fresh produce is usually available.*

The anchorage off Long Beach at the north east of the island has good holding. Swimming is dangerous (see Pulau Perhentian Kechil, above). *Ashore there is backpacker accommodation, restaurants and noisy music until 03.00. From Long Beach there are paths to Coral Bay and Aur Bay on the west side of the island and to the windmills and solar arrays on a hilltop to the north.*

North of Long Beach is D'Lagoon resort. There is very good holding on sand in clear water just to the south of the resort or anywhere outside the roped-off swimming areas in 8-15 metres: 05° 55'.17N 102° 43'.48E *Ashore there are restaurants, dive shops and a laundry (RM 10/kg). A rusty stairway leads to the windmills on top of the hill.*

There is an unprotected anchorage between two islands of the Pulau Rawa group at 05° 57'.67N 102° 40'.82E. *The snorkelling is excellent with many big fish and shells.* The holding is good.

There are moorings off Pulau Lang Tengah (around 05° 47'.6N 102° 53'.7E) but most are claimed by dive and fishing boats overnight, many of which raft up. The small sand/broken coral shelf is deep at 20 metres and shelves quickly. There may be a free 'government' moorings with pale orange floats to the north of the area, one at least of which had an adequate sized block in 2014.

4.23 KUALA BESUT

A small town convenient for re-provisioning with a recommended supermarket called Pasaraya Pantai Timur. Nearby there is a large outdoor market on Fridays. An anchorage protected by breakwaters at 05°50'.37N 102°33'.76E has 3 metres over chart datum. Dinghies can be left on the tourist boat jetty or on the sandy beach. There is a lot of small boat traffic.

In 2018 there were extensive construction works underway to extend the breakwater, and dredging was underway. Approach waypoints will have to await the end of construction and dredging. *****

SECTION 5: CROSSING THE SOUTH CHINA SEA

During the south-west monsoon season the breezes tend to follow the east coast of the peninsula. In June, south-east winds are common off Terengganu. For rally yachts it is often difficult at first to lay a course under sail for the Anambas Islands, Santubong/Kuching or even Labuan. A generally north-setting current doesn't help. But the winds usually tend more south-west when away from land and the current slackens too. In June/July there is also a general set from the south west to the north east off the coast of Malaysian Borneo.

There are many oil production platforms off Terengganu. These platforms monitor VHF Channel 12. Beware uncharted and unlit mooring buoys and wellheads, although in this area these hazards seem to be restricted to within two or three miles of active rigs. In 2016 three unlit wellheads (looking like steel pylons) were seen at about 04°00'.34N 105°04'.44E, just south of a gas field. Two showed up well on radar, but the third was only just above water.

There have been a number of recent reports of piracy off the Indonesian Anambas and Natuna islands. To date these attacks have been restricted to merchant ships. The rally visited the Anambas and Natuna Islands in 2015, 2016, 2017 and 2018. One estimate is that upwards of 65 yachts visited these islands in 2017, and a similar number in 2018. There have been no reported incidents.

The main Singapore-Taiwan-Japan shipping lanes crossing the Terengganu/Kuching route can be roughly estimated by drawing a line between the following waypoints: 02°15N 104°45E and 04°30N 106°00E. Note that there is no Traffic Separation Scheme in this area, and ships can come from both directions across an expanse of sea at least ten miles wide. In recent years, all ships were transmitting AIS data.

In 2014 an Indonesian Navy patrol vessel contacted a number of rally yachts on passage between Kuala Terengganu and Kuching. The patrol vessel invited the yachts to call them on VHF 16 in the event of any trouble. The offer was much appreciated.

SECTION 6: ANAMBAS AND NATUNA ISLANDS (INDONESIA)

6.1 INTRODUCTION

There are 255 islands, of which 26 are inhabited. The total population, mostly Muslim, is 50,000. Many of the villages are 'kampung air', built on stilts over water. The main town is Tarempa on the island of Siantan.

The 2015 Sail Malaysia organised the first successful yacht rally to the Anambas and Natuna Islands. Customs, Immigration and Quarantine regulations were helpfully amended in 2016 and again in 2017.

Tarempa became an Official Port of Entry in February 2017. Yachts can now visit the islands without first clearing into Indonesia at Nongsa Point on Batam Island. Yacht crews can obtain a one month visa on arrival. For longer stays, two month 'Social' visas can be obtained from the Indonesian Consulate in Johor Bahru. There is also an Indonesian Consulate in Kuching. Social visas can be extended in Tarempa. The process is efficient and can be completed in a single day.

There are several recommended anchorages listed below to the west and south of Tarempa. But yachts arriving with the rally should avoid going ashore from these anchorages before completing formalities at Tarempa. In 2016 a group of rally yachts were moved on by the Indonesian military after starting a BBQ on a beach.

AIS transponders were made compulsory for all yachts in Indonesian waters in 2016. Note that both electronic and paper charts of the area are reported dangerously inaccurate. Rally yachts have used Google Earth overlays on Open CPN and/or Ovital.

In 2016, Neville & Glenys Howarth on the yacht *Alba* put together very comprehensive cruising notes for the Anambas Islands. They have very kindly made this information available for all. The link as follows:

<http://www.thehowarths.net/cruising-information/cruising-notes/449-the-anambas-islands-2016>

The following information on the Anambas and Natuna Islands was contributed by Sail Malaysia participants.

6.2 CHECKING IN AT TAREMPA

Tarempa is the administrative and commercial centre of the Anambas Islands and a designated Port of Entry for Indonesia. It is a pleasant town with all amenities, including Port Captain, Customs, Immigration and Quarantine. The yellow 'Q' flag should be shown. In 2016 and 2018, up to 6 officials asked to come aboard at one time, but in 2017 many yachts were only visited by a single Customs Officer. Officials were reported as friendly and helpful.

In 2017 the town started a clean-up campaign both ashore and in the harbour. In 2017 a barge collected rubbish daily. The harbour is now significantly cleaner than it was in 2015. Visiting yachts have been reminded not to throw rubbish into the sea.

In 2017 the following individuals proved helpful to yacht crews visiting Tarempa. All speak good English. Axel knows where to buy anything in town. He can be found at the Sakura Inn, about 100 metres from the dinghy dock. His email address is sakurainnanambas@gmail.com Mayang Mustijah works at the Tourist Office and can assist with 'official' problems: mayangmustijah@yahoo.co.id Elfida also works at the Tourist Office, can organise car hire (a five seater plus a driver) and act as a guide. Phone +49 176 64713938. There are very few cars on the island.

6.3 ANCHORAGES IN THE ANAMBAS ISLANDS.

The following list starts at Tarempa, continues north to the west coast of Pulau Matak and then proceeds in a clockwise direction around the Anambas Islands.

6.3.1 Tarempa (Capital of Anambas Islands, and Port of Entry)

The charted light at 03°19'.72N 105°57'.20E was reported extinguished in 2017/18. Care should be taken to avoid confusing the working light at Tarempa with this extinguished light.

In 2018 there were four yellow moorings, that seemed robust but the fibreglass floats banged onto hulls. Alternatively, anchor in the harbour just off the town, near the floating Naval Jetty, around 03°13'.12N 106°13'.14E Depths are 20-25 metres on mud, rocks and debris. In 2016 and 2018 several rally yachts fouled their anchors here. There are shallower areas around 10-15 metres close in on firm sand, where friendly local children may swim out and board your yacht. There is considerable traffic, including shipping, fishing boats, water taxis and dhows. The cargo jetty should not be obstructed. The anchorage runs parallel to an elevated roadway, the only road into town. In 2015 there were 27 rally yachts anchored in this area. Dinghies can be left on the water taxi jetty., but not at the Marine Police station at the eastern end of the foreshore because it is used for water ambulances. In 2018 permission was granted to use the floating Naval Jetty. There is also a small jetty built alongside the elevated roadway. There is a new hospital under construction on reclaimed land at the head of the harbour.

Diesel (solar) is available from the fuel dock in an inlet west of the main wharf. In 2017 the price was Rp 5,800/litre, or water taxis can deliver diesel in 30 litre carriers for Rp 10,000/litre. Diesel should be carefully filtered. Petrol (bensin) can be purchased in town. Potable water is available and can be delivered to the boat.

There is a small supermarket, two bakeries and good markets. The La Luna and Konyok restaurants are recommended. SIM cards can be purchased for internet access, but speeds are much slower than in Malaysia.

6.3.2 Alternative Anchorages near Tarempa

A mile from town there is an anchorage with 15 metres on sand in clear water: 03°13'.90N 106°13'.55E, but it can be rocky and the holding is patchy. It is possible to anchor off the Anambas Lodge resort in 20-25 metres at 03°13'.64N 106°14'.39E, or to tie up on the jetty, although the tyre fenders may mark topsides.

6.3.3 Pulau Matak (West Coast)

Adel's Anchorage 03° 15.91N 106° 14.27E 10-15 metres on sand off kampung Butun, a small and very friendly village with a population of about 100. Adel is a young girl who lives in the village. Keep clear of the marked reef to starboard on entering the bay.

6.3.4 Pulau Mubur

A very well protected anchorage is reported at 03° 20.80N 106° 13.60E There is a fringing reef on either side, approach slowly to anchor in 15-20 metres. Clear water and excellent snorkelling on the nearby reefs.

An anchorage at 03° 23'.10N 106° 13'.50E has sandy patches in 10-12 metres. Reefs on each side of the channel afford good snorkelling. It is possible to exit to the north of the anchorage over the reef, with minimum depths of 8metres in the centre of the pass.

Reported alternatives are 03° 22'.69N 106° 14'.07E, (6 metres on sand) and 03° 23'.04N 106° 13'.48E (17 metres on sand/coral). There is a white sand beach nearby but in 2016 the reefs were bleached and there were few fish.

Note that the passage between Pulau Semut and Pulau Matak (that starts close to 03° 23.14N 106° 16.09E) is unsurveyed and a coral reef extends for much or perhaps all the way across the channel. Two rally yachts hit this reef in 2015.

6.3.5 Pulau Matak (North Coast)

An anchorage in 'Dereks's Bay, very close to shore on a 'V' of sand in 5 metres at 03° 23'.13N 106° 17'.41E In 2016 four yachts anchored here at one time. Pretty, sheltered, good snorkelling and lots of fish. From this anchorage it is possible to take a dinghy to the north side of Pulau Semut 03° 24.0 106.16.2E where there is fine coral and there are many fish.

6.3.6 Pulau Pendjalin Besar

A convenient stop on the way to the Natuna Islands. The passage between Penjalin Besar and Penjalin Kecil is passable with minimum depths of 10 metres. Anchor in about 16 metres on sand around 03° 23'.59N 106° 26'.89E This area is beautiful with white sandy beaches and sun-bleached rocky islands with a sense of remoteness.

6.3.7 Pulau Puigus

An interesting anchorage off the Puigus Island Resort, that in 2017 hosted a BBQ for the Sail Malaysia fleet. Anchor on sand around 03° 19'.09N 106° 19'.21E in 15 metres.

6.3.8 Pulau Pidi

Approach with good light to 03° 18'.44N 106° 19'.14E as there are isolated coral 'bommies'. An attractive anchorage with good holding on sand in 8 metres.

6.3.9 Pulau Manda Riouw Darat

An uninhabited island with a beautiful sheltered bay at 03° 18'.22N 106° 24'.12E Clear water, on sand in 6 metres. Very good snorkelling on excellent coral. During the day 'A' frame fish traps are moored here, which are towed to deeper water overnight.

6.3.10 Pulau Sagu Dampar/Pulau Sama

Moonrock Bay. Highly recommended. Approach in good light through the reefs and anchor in a picturesque lagoon on sand in 8-15 metres. The approach waypoints as follows:

1. 03° 14.99N 106° 26.50E
2. 03° 14.96N 106° 26.58E
3. 03° 14.96N 106° 26.63E
4. 03° 14.93N 106° 26.70E

The anchorage around 03° 14.92N 106° 26.81E has room for a recommended maximum of 3 yachts and is often shared with friendly squid fishermen. A reported alternative is 03° 14.83N 106° 26.33E in 20 metres. There are great views from the rock bluff ashore and snorkelling on the reef around 03°15'.14N 106°26'.96E

6.3.11 Air Asuk

Around 03°14'.69N 106°17'.46E, 10 metres on mud. Anchor off the village in the channel between the island and the reef.

6.3.12 Pulau Selai

An anchorage in 20 metres on sand at 03°12'.27N 106°29'.31E

6.3.13 Pulau Temburun, Waterfall Bay

A safe and highly recommended all-weather anchorage around 03° 10.70N 106° 16.80E with 10-12 metres on sand. A rock pier has been built just inside the entrance to the bay which is used by huge barges and heavy equipment: yachts should keep well clear. A large village is ashore. There is a rewarding walk on a road to the top of a waterfall, which has pools suitable for swimming.

The approach threads through through shallow reefs. New marks were being installed in 2017. The waypoints as follows:

1. 03° 11.32N 106° 17.30E
2. 03° 11.22N 106° 17.20E
3. 03° 11.05N 106° 17.10E
4. 03° 10.89N 106° 17.05E
5. 03° 10.68N 106° 16.81E

6.3.14 North Badjau

Sand and coral in 14 metres at 03°09.58N 106° 19.86E There is enough room to anchor between coral outcrops.

6.3.15 South Telok Risen

An anchorage on sand in 10 metres at chart datum around 03°09.56N 106° 25.59E There are some coral patches.

6.3.16 Pencil Dot Island

Named by the yacht *Alba*. An anchorage on sand in 13 metres 03°09.89N 106° 23.79E There are some coral patches. Good snorkelling.

6.3.17 Pulau Pedjual

Recommended. Well sheltered except from the north, although there are katabatic winds off the hills. An anchorage around 03° 09.26N 106° 23.45E, excellent holding in 15 metres on sand with room for perhaps 6 boats. In 2017 four of those were squid platforms that left every evening to work offshore. This anchorage is in dinghy range of Pencil Dot Island (see above). The approach waypoints as follows:

1. 03° 09.43N 106° 23.62E
2. 03° 09.31N 106° 23.53E
3. 03° 09.27N 106° 23.48E

6.3.18 Pulau Kiabu

Sand in 6-10 metres around 02° 44.28N 106° 14.77E Approach from the south between Pulau Airabu and Pulau Lintang, minimum depth about 8 metres. The approach waypoints as follows:

1. 02° 43.25N 106° 14.61E
2. 02° 43.34N 106° 15.23E
3. 02° 43.49N 106° 15.44E
4. 02° 43.74N 106° 15.46E
5. 02° 44.10N 106° 15.27E

There is good snorkelling on the surrounding reef, and a rock face to climb to the north-west of the anchorage.

6.3.19 Pulau Ritan

A small but beautiful anchorage. There is room for two yachts in settled conditions around 02° 36.94N 106° 16.57E In the lagoon there are two sandy patches suitable for anchoring in sand in 6-8 metres.

The entrance to the lagoon is across a 25 metre wide fringing reef in depths of 2.5 to 4 metres of depth, with shallower coral heads dotted about. Approach waypoints as follows:

1. 02° 37.08N 106° 16.51E
2. 02° 37.03N 106° 16.54E - between two very shallow coral heads, then a 30° course change to
3. 02° 36.99N 106° 16.54E

6.3.20 Pulau Bawah

A 15 metre wide channel marked by two small buoys leads to a reasonably protected lagoon with nine moorings around 02° 30.77N 106° 02.58E Yachts that pick up a mooring are charged US\$ 5.00/foot/night. The white moorings have 4 tonne blocks, the orange moorings 1.5 tonne blocks. Anchoring is prohibited. On arrival call Bawang Resort Security on VHF 16.

Ashore there is an upmarket resort that opened in August 2017. Visiting yacht crews are not allowed to go ashore. Few are likely to be interested in the following approach waypoints:

1. 02° 30.73N 106° 02.41E
2. 02° 30.73N 106° 02.34E
3. 02° 30.73N 106° 02.50E

6.3.21 Dikar Reef, Pulau Telibang

A pretty anchorage in 6 metres on around 03° 00.16N 106° 08.17E on a shelf of sand between a reef and the deeper channel. A lunch stop but not recommended overnight except in settled conditions. There is reasonable snorkelling on the reef.

6.3.22 Pulau Genting Unjut

A small, attractive bay with enough room for two yachts at 03°09'.23N 106°05'.35E Well sheltered, with good holding in 9 metres on sand.

6.3.23 Pulau Telaga

A long stretch of sand off a fringing reef. Anchor in 10 metres at in 15-20 metres at 03°05'.55N 105°58'.01E. Very good holding. There is room for 2-3 yachts. There is a small and very friendly

fishing village about a quarter mile south of this anchorage. Excellent snorkelling. A reported alternative is at 03°03'.20N 105°58'.00E, 10 metres on sand.

6.3.24 Pulau Ajam

A great anchorage, well protected and pretty. There is enough room for about 10 yachts at 02°59'.53N 105°48'.43E, 8-12 metres on sand. This anchorage is close to a reef, and so approach only with good light. The approach waypoint is 03° 00.11N 105° 49.26E

The passage between Pulau Ajam and Pulau Djemadja is reported to be hazardous with many reefs and coral heads that are not easy to see even in good light. There is good snorkelling.

6.3.25 Pulau Djemadja

This is a large island to the west of the Anambas archipelago. There are numerous anchorages. During the south-west monsoon season some of these anchorages can be rolly. There is a small town at Letong, on the western side, with shops and markets. The following anchorages are listed south to north.

Padang Melang is a recreation-themed village on a long sandy beach. This is the best anchorage in Djemadja at 02° 59.63N 105° 43.76E Excellent holding in 5 metres on sand, with room for many yachts. Ashore there are small restaurants that open mid-afternoon. Letong is 4km from the beach by road. It may be possible to hire motorbike and there are bus tours. There are phone and internet links in Letong. In 2017 an individual named Gusdi was a recommended contact: call 0822 83351471.

Teluk Mampo is a large and well sheltered bay that shoals gradually. Clear water and good holding on sand in 6-8 metres at 02°58'.33N 105°45'.10E

Teluk Tukan is a lovely anchorage, gradually sloping from 15 to 7 metres on sand around 02° 58.49N 105° 46.94E There are some isolated reef patches.

North Djemadja. An anchorage in 17 metres between the reefs at 03° 02.090N 105° 43.320E This is a good anchorage to use when sailing to or from Pulau Tioman.

6.3.26 Pulau Anak

There is an excellent anchorage on the west side of Amak, north of Djemadja. There is room for several boats in 5 to 10 meters around 03°06'.55N 105°40'.39E on sand. Further out, the relatively flat area drops rather steeply and is deeper than chart shows. Good snorkeling all along the shore. The water is very clear and the coral is healthy.

6.4 NATUNA ISLANDS: The Man at the Ministry

The Ministry of Tourism in Natuna is keen to promote yacht tourism. In 2017 the Ministry's contact for the rally was Zain Akbar, zainakbar23@gmail.com, +62 853 5949 1273.

Zain looked after the Sail Malaysia fleet extraordinarily well and was a great guide and ambassador. He was able to arrange hire cars, motorbikes and tours. He could also help to arrange fuel deliveries and to assist with booking flights.

6.5 ANCHORAGES IN THE NATUNA ISLANDS

The following list starts at the north cape of Pulau Natuna and continues south.

6.5.1 Selat Panjang

A picturesque anchorage at 04°13'.94N 108°11'.90E, near the north cape. There is a small village on shore. A convenient rest-stop between the Anambas Islands and the Ranai Town Anchorage (see below).

6.5.2 Teluk Sengiap

Anchor in 6 metres on sand at 04°05'.92N 108°15'.89E An attractive anchorage off a long white sandy beach. To the north is a shallow inlet with a fishing village and a new road bridge.

6.5.3 Pulau Sahi

A small bay with an approach through reefs. The anchorage is at 04°03'.66N 108°17'.98E, 4 metres on sand with enough room for about 10 yachts. Ashore there is a small fishing village with a jetty. The approach has a minimum depth of 10 metres. The approach waypoints are:

1. 04°05'.00N 108°18'.91E
2. 04°04'.73N 108°18'.71E
3. 04°04'.59N 108°18'.71E
4. 04°04'.03N 108°18'.75E
5. 04°03'.78N 108°18'.17E

6.5.4 Teluk Selahang

Teluk Selahang is the spectacular venue for the Sail Malaysia gatherings on Pulau Natuna.

The approach waypoint is 04° 01.20 N 108° 22.20 E This leads to a wide channel between reefs, opening into a large bay. Two anchorage waypoints are reported: 6 metres on sand at 04° 00.33 N 108° 21.13E and 3.5 metres on sand at 04° 00.29N 108° 20.81E The anchorage has crystal clear water and views of Mount Ranai, which can be climbed. The white sandy beach shelves very gradually and dinghies have to be carried a long way at low tide. There are small shops and restaurants ashore.

The main town of Ranai, with banks, supermarkets and a wet market, is about 16 kilometres away, a 20 minute drive. There is internet WiFi at the View Café in town.

6.5.5. Ranai Town Anchorage

A sheltered anchorage at 03°56'.02N 108°23'.47E, 6 metres on sand. There are some areas of flat reef but these are easily seen in good light.

Ashore there is good access to shops, banks, bakery, restaurants and fuel. There is room here for ten to twelve boats. Take the dinghy into the jetty.

6.5.6 Bandar Pasir

The approach channel has occasional marks. Anchor in sand/mud in the inlet, 10 metres at 03°53'.42N 108°23'.54E This town is the 'old port'. There is an interesting water village, where the mosque is next door to the Chinese temple.

6.5.7 Pulau Setahi

A small anchorage with room for two or three yachts at 03°37'.63N 108°07'.54E, 6-10 metres on sand. This anchorage is a convenient stop-over for yachts proceeding from the Anambas or north from Pulau Serasan.

6.5.8 Tunjang Kumbrik

A fine, well protected anchorage near the very friendly Kampung Kumbrik, which was visited by the Sail Malaysia rally in 2016. Anchor in 20-25 metres on sand at 03°37'.86N 108°05'.33E Kampung Kumbrik has a small shops and modest restaurants.

6.5.9 Pulau Midai

A large anchorage on sand in 8 metres at 03°00'.02N 107°44'.84E or in 5 metres on sand at 03°00'.00N 107°44'.42E Dinghies can be landed on the beach, from where it is a short walk to a village. There is a good morning market. In 2016 there was a new jetty under construction to the north of this anchorage.

An alternative is off the north east coast, where in 2017 there was a good internet signal. About 5 metres on clear sand at 03°01'.33N 107°47'.78E Further offshore it deepens to 7 metres on sand.

6.5.10 Pulau Serasan

A recommended stop between the Anambas and East Malaysia. A gently shelving anchorage on sand in 5 -10 metres at 02°32'.30N 109°03'.34E Approach at right angles to the beach, watching for scattered coral patches.

In 2017 a yacht approaching Pulau Serasan at dawn in poor light found much less water than expected. As there are clearly uncharted shallows it's suggested that yachts plan to arrive when the sun is high and the coral can be seen. The beach has all-tide access. There is a village on the other side of the island and the locals are friendly.

SECTION 7: SARAWAK

7.1 ANCHORAGES NORTHWEST OF SANTUBONG

Tanjung Datu

This area is a National Park. The anchorage at 02°02'.15N 109°39'.32E is rocky with poor holding. The Park Rangers prefer yachts to anchor on sand just north of the position above, off the Ranger station: 02°02'.59N 109°39'.28E There is space there for 6-10 yachts. *There are freshwater showers and toilet facilities ashore. There are numerous trails. The elusive Rafflesia flower can sometimes be seen in this National Park.*

Tanjung Serabang

A calm, attractive anchorage in the south west Monsoon season is reported at 02°01'.87N 109°39'.33E. But the holding is poor on rock.

Pulau Telang Kechil and Pulau Telang Besar

This area is a turtle reserve. Anchor in 10-15 metres on sand at 01°54'.83N 109°46'.37E. The turtles lay on a sandy spit to the south. Coral and rocks extend out 200-300 metres. Use outboard motors with care as they can disturb the turtles. *At the Reserve ashore it is possible to 'Adopt a Turtle' for RM 200 or to 'Adopt a Nest' for RM 100. Good snorkelling with fine coral and many fish to the south of the island.*

Pulau Satang Besar

The island is a Marine Reserve. An anchorage at approx. 01°46'.8N 110°10'.2E has good visibility and good holding on sand. This is an ideal place to clean propellers after a stay in Santubong (see below). Another anchorage at 01°47'.30N 110°09'.76E is reported well sheltered. *On the south shore of the island, turtles come ashore daily to lay, their numbers counted by resident wildlife officers. The officers seem to welcome yachts.*

7.2 SANTUBONG

Approaches to Santubong

Approach waypoints are: 01°46.93N 110°16.49E, then 01°42.83N 110°17.81E, and then 01°42.83N 110°19.00E. The first set of charted leading marks have been missing since 2009. In 2018 the second set was overgrown but still visible except at daybreak when the sun rises behind them. Beware the dangerous Royalist Rock at about 01°42.62N, 110°18.27E. In 2008 and 2015 this rock was unmarked. Various buoys and beacons have come and gone, most destroyed after being hit by with barges. In 2018 there was a starboard-hand buoy at 01°42.64N, 110°18.27E

During the flood tide, beware a strong set towards Royalist Rock when entering Santubong River. This set is less obvious in the absence of a buoy or beacon.

When leaving Santubong, proceed to the first waypoint (01° 46.93N 110° 16.49E) before heading west or northwest. In 2008/09/10 an unmarked steel wreck to the west of the approach was given a wide berth by tugs/barges. In 2012 another barge hit the first wreck, and sank at a highly visible (and extraordinary) bow-down 45 degree angle. This wreck was no longer visible in 2015. It may have been removed, or it may have disintegrated.

The charted isolated danger marks at about 01° 45.48N 110° 17.16E and 01° 45.28N 110° 17.67E are now fixed beacons. They mark wrecks.

The Santubong Anchorage

Anchor on the north side of the river to the east of the village. There is an unmarked wreck of a Vietnamese fishing boat covered in nets and cables that is just off the Marine Department concrete wharf (the large, easternmost wharf on the north bank). There are also heavy nets from ruined fish farms, especially in the shallows between the concrete wharf and the village. These nets can be avoided by not anchoring too close to the mud. There are excellent views of the beautiful Mount Santubong from this anchorage.

There is some ship and barge traffic but it (usually) keeps well to the centre of the river. The south end of the river near Kuching is now blocked off and there has been very considerable silting in recent years. The sand near the inlet to the east of the village was in 2016 estimated to extend at least 50 metres offshore.

With wind against tide it is common for yachts in Santubong to dance around their anchors. It is suggested that generous extra space should be allowed, especially between monohulls and multihulls. There are frequent reports of yachts dragging anchor, despite the generally good holding. Extra scope is recommended.

Tan Sri Linggi owns a small 'marina' just west of the Marine Department wharf. Visiting yacht crews are very generously permitted to moor their dinghies on these docks, but yachts are prohibited. Water is available without charge. Tan Sri Linggi's staff will be able to help with obtaining fuel. In 2018, diesel brought by carrier from a distant road station was RM 3.50/litre. Laundry services are available, for RM 8.00/kg in 2018. Just east of Tan Sri Linggi's property, Mr Hamid's boat storage area has been greatly expanded. There are ramps for launching small motorboats that were still under construction in 2018. When finished, dinghies will be welcome and there is a restaurant ashore. Small quantities of petrol are available in Santubong village, from roadside stalls and the first house to the east of the bridge. *There are several small shops in the village for basic food supplies.*

The fouling in the Sungai Santubong is severe. After a week or two it is likely that propellers will need to be cleaned. There are crocodiles in the river and the visibility is very poor. In 2015 a three metre crocodile was spotted several times by rally participants. In January 2016 a nurse and later a child from Santubong village were killed by crocodiles. Three crocodiles were subsequently shot. Although the immediate threat may have been removed, it's still suggested that if propellers and/or hulls need to be cleaned, the boat should first be taken to Pulau Santang Besar (see above).

Road Transport from Santubong to Kuching

Leave your dinghy at Tan Sri Linggi's dock, walk through his property, turn right on the main road and 100 metres ahead there's a lay-by on the left by a mausoleum dedicated to a Sultan who died in Santubong in the 17th Century. Call a Grab from there: RM 30 to Kuching. Grab taxis tend to be plentiful as they run to the nearby resorts and the drivers are usually grateful for a fare back to town: Minibuses bound for Kuching will stop if you flag them down: The first minibus from Santubong is usually operated by Ubai. He leaves at about 07.30. For confirmation, send Ubai a text the night before to +60 16 897 1557. In 2018 Ubai's minibus was RM 5/passenger. Resort minibuses are RM 20. The trip takes about 40 minutes. Omar Jemali is a recommended taxi driver from Santubong: call 013 840 5888

The minibus terminal is at the Open Air Market, near the salmon-coloured Divisional Mosque. Visit the nearby Visitors Information Centre, a short walk east of the Open Air Market in the old court buildings. Minibuses back to Santubong are Zon 1, but only a few Zon 1 minibuses go there. There is no schedule. The last minibus often leaves at 15.00 or even earlier. Grab taxis are recommended.

There is a new shopping area at Samariang, close to the Petronas station about 15 km from Santubong on the road to Kuching. There is a big Mydin store and several self-service laundries.

Checking into Sarawak

Even if arriving from Peninsular Malaysia, proceed as if clearing in from a foreign country. Most clear with the Jabatan Laut first, at Kuching Marina which is near the Convention Centre. From 2013-2018, the Jabatan Laut was happy to complete the paperwork for arrival and departure at the same time, with just an estimated departure date. It should therefore only be necessary to visit these offices once. The offices are closed from 12.00 on Saturday to 08.00 on Monday. Note that a bus tour is usually arranged for Sail Malaysia Rally participants, that includes the Jabatan Laut, Immigration and finally Customs before continuing to Semenggoh orang utan sanctuary.

Immigration is located in Pending Port, east of Kuching City Centre. Pending Port is a long walk or a short dinghy ride from Kuching Marina. Immigration is open every day and there are no overtime charges for clearing in at the weekend.

The security guards at the Pending Port gates will give directions to Immigration. (From the gates, walk to the first roundabout, take the first exit and the Immigration Office is on the right at the far end, near the fence.) Immigration will often issue new visas for all rally crews arriving from Peninsular Malaysia, but not always for those travelling independently. If arriving from Peninsular Malaysia it is important to ensure that plenty of time remains on your Malaysian Tourist Visa when you arrive in Sarawak, just in case new visas are not made available.

Visa extensions can be arranged (at the Immigration Office at the main Federal Offices, near Spring Mall in Kuching) but not for all nationalities.

Customs is located in a tiny office next door to Port Security. If this office is unattended, ask Security (or the Customs Officers checking vehicles) to call the main Customs Office. In 2010, Customs were happy to issue a clearance based on an expected date of departure, even a month hence. But in other years they have only been willing to offer a Port clearance to yachts planing to set sail from Kuching or Santubong within 48 hours.

Buses from Kuching to Bako National Park (Service K1) go via the Convention Centre. These (big) buses leave from across the road from the minibus terminal at the Open Air Market.

Sarawak Cultural Village and the Rainforest Music Festival

The Rainforest Music Festival is held at the Sarawak Cultural Village, 4 km north of Tan Sri Linggi's property in Santubong, uphill from the Sultan's Mausoleum. The Sarawak Cultural Village is open year-round and is highly recommended. The staff include fascinating young people drawn from many of the native cultures of Sarawak. The standard ticket price is RM 60, or (an unadvertised) RM 30 for those over 55.

7.3 KUCHING

There is a fuel dock at 01°38'.68N 110°29'.00E. It has a three inch delivery hose, and so most yachts will need an adaptor. The price in 2018 was RM 3.00/litre when the road price was RM 2.18. Phone numbers are +60 13 562 2777 and +60 16 808 9274. Also in 2018 a motor yacht had fuel delivered to Kuching Marina by a road tanker. RM 3.00/litre: 3000 litres minimum delivery.

For most yachts it is now not possible to anchor off Kuching City Centre because of a new bridge with a 10 metre clearance. There is also a barrage with lock gates

Kuching Marina opened in 2009. The marina is at 01°33'.48N 110°24'.26E - to seaward of the new bridge and barrage, near the Convention Centre. The marina is 14 miles upriver from the first buoy, and about 40 miles by sea from Santubong (see above). Unfortunately the marina is not well maintained. There are over 20 berths available with power and water, although in 2018 the power was off. In 2019 there was power to two berths and water to three. There have been rat problems on the docks. The Marina is operated by the Jabatan Laut. Phone 082 483 472, fax 082 483 462. In 2015 the rates were RM 2/metre/day, or RM 30/metre/month.

There is ample depth in the marina but strong currents can cause problems. It's advisable to wait for slack water before entering or leaving the marina. Several yachts have been swept on to docks and other yachts and at least one has been badly damaged. Spring tides exceed 6 metres and debris piles up, especially on the upstream pontoons. Whole trees are not unknown. These problems worsen in the wet north-east monsoon season. During low spring tides the ramp from the marina docks to shore is dangerously steep.

In the past, yachts that have anchored off Pending Port (in the vicinity of the new marina) have had security problems. But security at the marina is reported satisfactory. In 2014 the wake from an excessively fast powerboat passing the marina broke a dinghy and two yachts rolled so violently that their masts touched and were damaged.

The thriving State Capital of Sarawak should be a priority for all visitors to Malaysian Borneo. The Kuching Waterfront Park forms an attractive centre with many colonial-era buildings still in active use. The nearby Main Bazaar is a major tourist area. The excellent Tourist Information Centre in the old

Court Buildings is a good place to start. The State Museum and the Textile Museum are both highly recommended.

Buses from downtown Kuching to Bako National Park (Sevice K1) pass close to Kuching Marina. Buses to downtown are reported to leave from the main road near the Marina at a quarter to the hour. Nationals of countries needing a visa for Brunei should obtain one in Kuching before sailing north. Visas for Brunei Darussalam are also available in Kota Kinabalu. Note that South African nationals may need to obtain a visa before arriving in Brunei.

7.4 PULAU LAKEI

There are two anchorages close to the Baku National Park. The western anchorage is reported around 01°44'.77N 110°29'.60E, the eastern anchorage at 01°45'N 110°30'E. A new yellow beacon is reported at about 01°45.22N 110°30.10E. Between the anchorages is a dangerous, charted but unmarked rock that is invisible at high tide. It is possible to navigate past this rock, preferably towards low tide. *The trail from the anchorage to Park Headquarters is rugged and apparently takes 7 hours one way. There are shorter walks on with good views on Pulau Lakei.*

7.5 SUNGAI RAJANG

The huge, muddy Rajang Delta offers many opportunities for cruising yachts. But there can be many logs and much floating debris, including 'islands' of nipah palm that can get wedged between catamaran hulls and/or caught on anchor chains. Fragile saildrives and rudders without skegs seem particularly vulnerable. Currents can be swift, especially on the ebb after heavy rain inland. In 2019 a rally yacht reached Sibu without any significant problems and returned to sea via the northern mouth of the river. In 2018 a 50ft monohull was run down by a towed barge at Sarikei (see below) and dismantled. The barge did not stop.

The fast currents scour out the river-beds and depths are usually more than adequate even for deep-draught monohulls. Stay to the outside of bends for deeper water. There is ferry and freighter traffic day and night, and yachts should anchor on straight sections as close to the bank as possible. Extra anchor lights are recommended. The holding is generally excellent on mud, although some areas of gravel may be found where the holding is not so reliable.

Buoys and leading marks are well maintained. Detailed charts and tide tables for the whole of the Rajang River delta are available from the Sarawak Marine Department Cartographic Unit, Jalan Utama, Tanan Puteh, Kuching, Tel: +6 082 484 159 This office is not far from Pending Port. Charts are also available for all Sarawak coastal waters.

Longhouse communities on the Sanjong Rajang seem invariably friendly and interested in passing yachts.

An alternative to taking your yacht through the delta is to leave her anchored at Santubong (or moored in Kuching Marina) and to take the fast ferry from Kuching to Sarikei and on to Sibu. Another ferry from Sibu could take you on to Kapit, deep into the interior.

There are three main routes through the delta from south to north:

Route 1

The southern entrance at around 02°08'.2N 111°06'.2E is convenient for yachts proceeding north from Kuching/Santubong. The beacon at 02°06'N 111°09'E was missing in 2013. There is a sheltered anchorage with good holding to await light or favourable tides at 02°05'.5N 111°13'.0E Proceeding upriver, note a prohibited area near Tanjung Manis, north of an area bounded (approx.) by 02°08'.9N 111°20'.3E, 02°09'.4N 111°21'.3E, and 02°09'.4N 111°21'.8E

Sarikei is the fifth largest town in Sarawak. There is a fuel dock that caters mainly for the fast ferries where yachts can refuel. In 2019, diesel was RM 2.18 per litre, the same as the road price, cash only Potable water is available. It is possible to anchor close to the far bank to the east of the fuel dock around 02°08'.02N 111°31'.56E, 6 metres on mud. Petrol and propane can be purchased from a garage nearby. *There are daily markets, and a major market at the weekends with produce from all over the delta.*

The river divides north and south at about 02°17'.4N 111°40'.2E. Yachts heading north with the flood beyond Bintangor will encounter foul currents north of this junction. From Sibul to this junction and north there is often much more debris than in the river passing Bintangor, Sarikei and Tanjung Manis. **There is new bridge at 02°19'.60N 111°40'.04E. Since July 2009 the maximum authorised clearance has been 20 metres.** Vessels with taller masts wishing to visit Sibul will need to retrace their route back to sea via Sarikei. The tidal range at this bridge is reported to be in the region of 3 metres.

Yachts can proceed east to Sibul from this junction. There can be many logs and currents are strong, especially the ebb if there have been heavy rainfalls inland. In mid June 2008 the ebb ran all day in Sibul, with one slack period after midnight. Similar currents were reported in June and August 2010. In October 2010 the ferries were shut down by logs and debris. When the river is in flood, empty log ships and tug/barge combinations cut through the official anchorage in Sibul to try and avoid some of the foul current. This can be alarming. In 2019 a rally yacht anchored successfully at 02°16'.98N 111°49'.56E, 5 metres on mud. Access ashore was found via a small metal pontoon. No anchorage was found directly off the town. The Sungai Igan north of Sibul is now closed off to most yachts by a low bridge (13.8 Metres).

At 02°20'.8N 111°36'.3E the river divides again near Tanjung Kamis. The northern route was reported clear of bridges and powerlines in 2013, but had more logs and debris than the route to the west.

There is another new bridge at 02°15'.94N 111°27'.55E with a maximum authorized clearance of 15 metres, but this is not on a major route through the delta.

Route 2

A new route via Kuala Belawai was reported in May 2017. This route has a minimum depth of 1.8 metres at chart datum. This is the 'middle' entrance on the west side of the delta, some 50 miles from Pulau Lakei. There are no bridges. The entrance is not exactly as charted. The waypoints for the entrance, are:

1. 02° 12'.12N 111°07'.66E
2. 02° 12'.35N 111°09'.62E
3. 02° 12'.50N 111°10'.13E
4. 02° 13'.07N 111°11'.28E
5. 02° 14'.10N 111°12'.59E

This route bypasses Sarikei, Bintangor and Sibul, and joins Route 3 (see below).

Route 3.

A useful and popular ‘shortcut’ uses the strong tides in the Rajang. When heading north-east from Kuching, enter the Rajang delta at Kuala Paloh (02°29'.25N 111°11'.10E) on a flood tide. Anchor where convenient (one suggestion is off Tanjung Bangau: 02°23'.84N 111°18'.42E) and then time your passage to catch the north-flowing early ebb at Muara Seredeng around 02°22'.80N 111°25'.60E. In the north-east monsoon season the shallows at the northern river entrance at 02°48'.46N 111°25'.67E are reported dangerous. In 2017 the northernmost starboard-hand buoy was out reported out of its charted position and there was half a metre less water than charted. In 2019 a rally yacht found no less than four metres over the bar when exiting north via 02°53'.8N 111°24'.8E

7.6 SUNGAI MUKAH

A shallow, muddy river that could be explored by shoal draft vessels. There is barge traffic. Approach waypoints are:

1. 02°55'.31N 112°05'.59E (- 0.2 metres at chart datum).
2. 02°54'.87N 112°05'.73E (+1.3 metres at chart datum)

There is an anchorage in the widest part of the river 02°54'.33N 112°05'.70E, with 0.9 metres at chart datum. Spring tides in this area peak at about 1.8 metres above chart datum.

7.7 BINTULU

The Sungai Bintulu, south of the commercial port at about 03°11'.3N 113°01'.3E, has a very shallow bar. There are leading lights atop a flat roofed building but these are difficult to identify. There is good access ashore from the Jabatan Laut dock but this is locked up out of office hours. Security is very poor and nothing of value should be left unlocked. Four dinghies with outboards were stolen from January to July 2012 in the Bintulu area, at least one of which was locked with a steel cable. In 2016 a rally yacht had a reefing line cut and stolen. Turn left from the Jabatan Laut dock for excellent markets. This is a good destination for provisioning and there are many restaurants. Diesel is available by carrier from “long stick jetty” by a fuel station on the opposite bank to the wet market. Potable water is available for sale.

The entrance to the commercial harbour waypoint is 03°15'.0N 113°03'.4E. This is a busy port with associated oil refineries. There is good shelter behind the breakwater. Call Bintulu Harbour Control on VHF 16/12. The Bintulu Harbour Control callsign is Kilo Mike. A launch may be sent to pilot you in. The anchorage is at 03°15'.0N 113°04'.4E is reported good but lonely. This position is south of the original commercial harbour which is being dredged and extended to the south. The old anchorage near the Police dock is no longer available. The Police dock is a 20 minute dinghy ride from this new anchorage. Leave dinghies at the Pilot launch dock. Security is said to be satisfactory inside the commercial port but may be a problem elsewhere. Hitchhiking from the Police dock to the town is reported to be easy.

A new harbour has been built at Similajau, about 26 miles north east of Bintulu: 03°34'.7N 113°19'E The lateral marks have AIS transponders. It is possible that a jetty may be built along the line of the lateral marks. Good anchoring is reported inside the breakwaters. In 2017 five rally yachts anchored for a night between the starboard-hand marks and the seawall, well away from the docks. The Harbour Master was called on VHF, but there was no response.

7.8 MIRI

An excellent website with up-to-date information on Miri Marina was completed in 2017. It has aerial photographs and even a movie: www.marinamiri.com *Miri is the home of the Borneo International Yachting Challenge, which organises races for both specialised racing boats and cruisers.*

Miri Marina is a Trans Ocean Support Point. The Support Point leaders are Walter and Gisela Mittasch, who live aboard their yacht *Atlantis*. Their email address is: atlantis.segelyacht1@gmail.com

The marina is very well protected behind substantial breakwaters. The bay to the south and east of the marina shoals rapidly. There is no anchorage outside the marina or off Miri Town, except in unusually settled conditions. The entrance to Miri Marina is at 04°22'.90N 113°58'.15E The entrance tends to silt up, but is regularly dredged, most recently in 2016/2017. In 2018 the reported minimum depth was 3 metres with a tide 1.5 metres over datum. In 2017 new steel docks were reported in the main fairway. These docks then had considerable traffic, but in 2018 they were reported as unused.

Security is good. An new toilet and shower block was completed in late 2016. There is also a new BBQ area Capt. Fin is the Marina Manager. Capt. Fin's mobile phone number is +60 (0)14 273 0186 Cynthia is the Office Manager. Her phone number is +60 (85) 423 033.

Rates at the Marina increased in 2013 to RM 1.30/foot/day, plus RM 5.00 for unlimited water and power. For catamarans the rate is RM 1.50/foot/day. From the fourth month onwards, for stay of over three months, these rates are discounted to RM 1.00 for monohulls and RM 1.20 for catamarans. The Marina Office is within walking distance, on the main road adjacent to the Everly Park Hotel. Miri Marina is highly recommended as a safe place to leave a yacht for weeks or months. It's possible that long-term pre-paid rates may soon be substantially discounted.

Miri is an oil town and there is a well developed marine industry. Liferrafts can be serviced. A charming taxi driver named Simon can collect diesel in carriers from a filling station in town in his battered Toyota, perhaps up to 200 litres per load. Simon's mobile phone number is 016 879 3125. Miri Canvas and Sails can undertake sail repairs with zig-zag stitching. (This is rare in Malaysia.) Call Stephen Chai on 017 858 2722 or email kiwi_ent@hotmail.com. The works address is Lot 1300, Ground Floor, Jalan Melayi, Centre Point Commercial Centre, Miri. In 2010, an enterprising laundry in downtown Miri collected, cleaned and delivered washing for a reasonable fee. LPG bottles can be refilled. Bicycles can be rented for RM 10 per day. Grab taxis are plentiful.

Customs and Immigration are located close to each other at the north end of the downtown core. There is no requirement to visit the Jabatan Laut in Miri as the offices are many miles away.

Some 90km south of Miri the Niah Caves are well worth visiting. Take a taxi or hire a car for the day.

7.9 SARAWAK/BRUNEI OILFIELDS

The oilfields extend south west of Miri. Active production rigs are very well lit at night, but sometimes there are heavy unlit steel mooring buoys nearby which are very hard to see, especially when backlit by the rig. A catamaran on the 2009 rally hit a mooring buoy at speed, fortunately without suffering serious damage. There are also numerous disused wellheads, many unmarked on charts and most unlit. In this area it is recommended that radar be used at night.

In late 2015 a new and uncharted oil platform was reported at 03°45'.18N 112°27'.09E , about 50 miles north west of Bintulu. In 2018 uncharted wellheads were reported at 04°18'.20N 112°45'.12E There may be other new and uncharted wellheads, rigs and platforms in the area.

In 2013 and 2014 a ship was carrying out seismic surveys for oil, requesting that all vessels keep at least 10 miles clear of its current position. This position was broadcast frequently on VHF Channel 16.

SECTION 8: BRUNEI DARUSSALAM

8.1 KUALA BELAIT

In 2017 a yacht arriving from Malaysia at Kuala Belait was told that new regulations mean that yachts have to pre-register with the authorities and to employ an agent. After three hours of negotiations it was agreed to check the yacht in with the old regulations. For now it would seem prudent to bypass Kuala Belait and to check in at Maura (see below) where in July 2019 the old regulations were still in force. Australian citizens are required to purchase a Visa on Arrival. For those expecting a long stay, it may be possible to negotiate a Seaman's Pass from Immigration in Kuala Belait.

The entrance waypoint is 04°36'.21N 114°10'.31E. There are rock training-walls extending out to deep water, with a minimum of 2.5 metres in the entrance. The river is used by rig-support tugs and barges. Oil rigs are built on the river and floated out to the oilfields. Call "BSP3" on VHF 16/15 and request permission to enter. There are leading marks, but they are dark red in colour and hard to see.

Anchor across from the Kuala Belait Boat Club at 04°34'.42N 114°11'.71E – good holding with a minimum depth of 2.5 metres on mud. There is commercial traffic 24 hours a day in the main channel. The club is operated by Brunei Shell for its staff. There is a dinghy dock. *The club is welcoming and has excellent facilities including a fine restaurant, a washing machine and showers. It is a short walk to town, or a bus ride to the Super Save supermarket. A café on the 9th floor of a new high rise called V Plaza offers good views and free WiFi.*

The haul-out facility on the Belait river is no longer operational. There is a safe anchorage.

8.2 JERUDONG HARBOUR

This is a huge artificial harbour. The breakwaters extend 1.5 miles offshore. The entrance waypoint is 04°57'.40N 114°48'.55E. Yachts are tolerated for overnight stays but visitors are not allowed ashore. In 2017 a yacht was temporarily denied entry, probably because of an Official Function underway at the nearby Polo Club.

The leading lights have been unlit since at least 2007. There is an island in the centre of the harbour which offers shelter if westerly swells are a problem. Visitors are allowed to land on the island. The bottom is soft mud in about 5 metres. Offshore there are many unlit wellheads and moorings. Without radar, transits of this area should be restricted to daylight hours. In 2017 new circular fish-farms were reported north of Jerudong, along the coast. One fish-farm is at 05°02'.98N 114°57'.08E and there are 7 others centred on 05°05'.92N 115°01'.71E.

8.3 MUARA

When approaching the dredged channel into Maura that starts at about 05°03.75N 115°06.37E, call Maura Port Control on VHF 16 for permission to enter the channel. Maura Port Control will likely ask for the yacht's name (the phonetic code may help here), possibly the radio call-sign, the country of registration, the number of crew on board and their nationalities. With that all done, ask for permission to proceed to the Royal Brunei Yacht Club, Serasa. Beware an often-submerged retaining wall that runs

along the northwestern side of the approach channel into Muara that starts at about 05°03.75N 115°06.37E. A few years back a catamaran cut the corner and neatly removed a rudder. In 2010 a monohull hit the wall and was damaged. There can be considerable cross-currents.

The Maura Port Control station is at the south-west end of the dredged approach channel. If you have no courtesy flag, they may call you up on VHF 16 to ask why. Explaining that they are hard to find outside Brunei and that you'll purchase one as soon as possible seems to be an adequate excuse.

In 2016 a new bridge was under construction south of Maura. Access for yachts will be maintained during construction and the finished bridge will have an authorised clearance of 28 metres.

8.4 CHECKING INTO BRUNEI AT MAURA

Formalities can be completed in the Muara ferry terminal at approx. 05°00'.9N 115°04'.0E The terminal has a blue roof and two floating jetties. The terminal is open 7 days a week to handle ferries to and from Labuan, from about 0730 to 1800. Usually only the master of the yacht need check in, with the ship's papers and passports for all on board - although sometimes officials insist that the entire crew needs to be present. **Note that despite confident assertions to the contrary, in July 2018 it was not necessary to appoint an agent, and yachts can be checked in independently.**

There are no additional charges to complete formalities on Fridays, Sundays or Public Holidays. Yachts that entered Brunei at Kuala Belait, then cleared out (with Port and Marine clearances) for the passage to Muara, will need to clear in again with the Jabatan Laut (Port and Marine) at the Ferry Terminal.

The easiest way to the Muara Ferry Terminal is to anchor off the Royal Brunei Yacht Club at Serasa (see below) and to take the dinghy to the inshore end of the ferry docks, tying up under either of the two aluminium gangways. You may be asked by a security guard to move your dinghy to a small boat dock nearer the shore, but except at high water this dock has exposed razor-sharp oyster shells that could certainly puncture an inflatable and/or cut unwary crew. Once this problem is explained, permission should be granted to leave your dinghy on the inboard end of the floating dock.

Nationals of countries needing a visa for Brunei should obtain one in Kuching or Kota Kinabalu. Visitors needing a visa but arriving without one may be issued with a 72 hour transit visa, or possibly asked to leave immediately. An alternative is to ask for a Seaman's Pass (see Section 8.1 Kuala Belait, above). Australian citizens are required a purchase a Visa on Arrival.

In 2013 and 2015 the routine on entry was Port Captain first, then Maritime, then Health, then Customs, and then Immigration. Procedures seem to vary, and in 2016 the required order was reported as Health first, then Jabatan Laut, then Maritime, then Customs and finally Immigration. At least five copies of the Crew List will be required, and it might be helpful to also have copies of your last clearance document. Several of the forms provided by the Jabatan Laut are intended to be taken away and filled out in time for departure. Carbon paper is useful.

Alcohol is not for sale in Brunei. Visitors 17 years or over are allowed to bring in 2 litres of liquor plus 12 cans of beer for personal consumption only and these may not be given or sold to any other person. Declarations of ship's stores above these limits have caused consternation and may result in supplies being bonded until departure. An innovation is a 'Liquor Form' which is sometimes issued to be filled out and then kept by the visitor. Printed black on orange it is very hard to read in fluorescent lighting. The procedure on departure is Port Captain first, then Maritime, then Health, then the Port Captain again, then Customs, then the Port Captain yet again (who should then issue the Clearance) and finally Immigration. Five or six copies of your crew list will be required. Immigration Officers may insist that you set sail immediately, although in 2015 they were content if the yacht sailed within 24 hours. Since 2013, vessels over 15 tons are charged a nominal fee for light dues. (As an example, in 2015 the dues payable for a yacht of 16 registered tonnes were B\$ 3.20.)

8.5 THE ROYAL BRUNEI YACHT CLUB

The ample anchorage off the Royal Brunei Yacht Club (RBYC) at Serasa (05°00'N 115°04'.1E) has very good holding. In 2015, extensive dredging was underway to the north and east of this anchorage and some areas are now much deeper than charted.

In 2016 an uncharted (and it's believed new) 10 centimetre submarine cable fouled a rally yacht's anchor. The precise position of this cable is not known, but it probably runs east from about 05°00'.07N 115°03'.82E It's suggested that anchors should not be laid within 200 metres of this line.

Inshore of the anchored and moored yachts it is shallow. With wind against tide yachts can sail around their anchors, and extra room should be allowed. Squalls are common in the afternoons. Occasionally these squalls can be violent.

Except at high tide, leave the two "Slow 5 km" beacons to starboard when taking the dinghy ashore.

In 2018 there was a new bridge under construction over the river, around 04°55'.50N 115°01'.00. This is on the way to the other RBYC facility at Kota Batu at 04°53'.84N 114°59'.21E. It is not known what the authorised clearance will be when the bridge is complete, but one estimate is 20 metres. RBYC Kota Batu is 10 miles from Serasa, upstream of the Brunei River Bar (see below) and 100 metres downstream of lateral mark 33A. This anchorage is heavily fouled with plastic bags and other detritus that can prevent an anchor resetting should it drag in a squall. But this anchorage is very convenient for access to the capital city of Bandar Seri Begawan (often abbreviated to Bandar or BSB). The holding on the far side of the river from the RBYC clubhouse is reported to be more reliable. Both Club facilities have dinghy docks. There are crocodiles in the river.

The RBYC warmly welcomes foreign yachts. There is a swimming pool at Serasa, and both Club facilities have a fine restaurant, showers, WiFi, and a TV. There is a free washing machine at Serasa. Government regulations now prohibit any club activities whatsoever between 12.00 and 14.00 on Fridays. Alcohol is not for sale, but own supplies can be consumed on Club premises. Temporary RBYC membership must be obtained before the club's facilities can be used. It is necessary to visit the RBYC Clubhouse and to sign the Visitors Book. A deposit of B\$35 is payable. The Club charges B\$5/yacht/day for the use of its facilities. (Note that the RBYC charges only B\$5/yacht/day, not B\$5/crew member/day.) If a yacht were to stay only one day, then on departure there would be a refund of B\$30. If the yacht stayed longer than a week, then additional payments would become necessary. By any measure, this is a bargain.

For a bus from RBYC Serasa to BSB, first take the No. 33 bus to Muara (the small town next to the green container cranes). The No. 33 has an erratic schedule and operates more like a taxi. It is therefore worth walking a quarter mile to the 'main' road. Turn right when leaving the RBYC, and right again at the 'T' junction with the 'main' road. Wait there on the left by the grey gates. In the absence of the No. 33 bus, there is a very good chance you'll soon be offered a lift to Maura. The convention is that you pay the driver the bus fare: B\$1.00 per person. Buses in Maura operate much more predictably. There are three services to BSB: Services 37, 38 and 39. Service 39 goes via Kota Batu on the way to BSB. Buses from Maura to BSB take a minimum of 50 minutes, and often considerably longer.

All buses cost B\$ 1.00 If you managed to get a 33 bus to Maura, ask the bus controller (who operates from an alcove south of the bus stand in Maura) to stamp your ticket: this will give you a free transfer to the next service. On returning to Maura from BSB, get your ticket stamped for a free transfer to the 33 service.

8.6 THE SUNGAI BRUNEI BAR

The river bar has moved in recent years and is not as charted. There is an uncharted starboard-hand beacon at about 04°56.37N 115°01.74E In 2016 the route over the bar was:

- 1 04°56.60N 115°02.39E,
- 2 04°56.24N 115°01.76E
- 3 04°56.16N 115°01.43E

In 2015 the least depth over the bar was 2.4 metres, with a tide 1.4 metres over datum.

8.7 FUEL, EQUIPMENT DELIVERIES AND REPAIRS

Subsidised diesel at a fixed price of B\$ 0.31/litre is still available from some road stations, to a maximum of 300 litres/yacht. The RBYC at Serasa no longer has carriers to lend to visiting yachts. Contact Allan Riches of Intrepid Marine at marine@bruneibay.net or call on 872 3702 to arrange a fuel run. (Malaysian cellphones work in Brunei, but roaming charges are very expensive. Incoming calls are also charged.) Allow a few days notice for Allan to schedule a vehicle and driver.

In 2015 the on-water fuel station at 04°55.98N 115°01.12E (upstream of the Sungai Brunei bar, see above) was able to supply cheap (but alas dirty) subsidised diesel to rally yachts. In 2018, clean diesel for foreign yachts was priced at B\$ 0.62/litre, twice the road price but equivalent to about RM 1.90/litre when the road price in Malaysia was RM 2.18/litre. Other fuel stations further upriver supply only petrol.

Allan's website is www.bruneibay.net His email address is yachting@bruneibay.net Cars and vans are available for rent, and inbound parcels can be received (duty-free and without 'special fees') to await your arrival: B\$20 per item by regular post, B\$15 per item by courier. Tours inland can be arranged: see www.bruneibay.net/intrepidtours . Allan also runs the SailMail operation in Brunei that provides low-cost email via HF/SSB radio throughout SE Asia. Discounts on fuel transfers and tours are available for SailMail customers. Intrepid Marine also has a shop at their office: 04°56'.2N 114°58'.18E, call +673 2 221685/6. This shop has a limited range of boating equipment, mostly related to communications and

electronics, safety equipment and navigation. Email ahead if you need life-rafts, tenders or other equipment waiting when you arrive in Brunei.

Just south of the Muara Ferry Terminal is a small-craft boatyard with a railway system. This yard could be useful in an emergency and the railway is wide enough for catamarans. But the yard deals principally with steel and timber fishing boats and has little experience with yachts. It is also reported to be expensive.

8.8 BANDAR SERI BEGAWAN

Motoryachts able to pass under the new low bridge (around 04°52'.60N 114°56'.94E) can anchor near Bandar Seri Begawan at 04°52'.51N 114°55'.92E. Stay away from the Istana (the Sultan's Palace) and anchor on the other side of the river (on the left when heading upstream). Yachts anchoring too close to the Istana have been asked to move to the other side of the river, or to leave the area and to return downstream to the Kota Batu RBYC.

Anchor close to shore to leave plenty of room for the passing gravel barges. Call a water-taxi for access to the City Centre: B\$ 0.50/person. Fenders are recommended. Some cruisers have arranged with a nearby water village house owner to keep an eye on their yacht while they are ashore. Anchoring closer to the town centre is also possible, but there is considerable chop from the water-taxi traffic.

Within 250 metres of the waterfront in BSB are coffee shops and cafes, restaurants (including inexpensive take-aways), the HSBC and Standard Chartered Banks with ATMs, money changers and the embassies of the UK, Canada, Australia, France and Germany.

When the tide is at least 1 metre over datum, it is possible to take a dinghy to the low-cost local open-market (fish, eggs, vegetables, fruits etc) in Sungai Kianggeh at 04°53'.36N 114°56'.67E. It is also possible to take a water taxi (or tender) to the riverfront steps of the biggest Mall in BSB at 04°54'.33N 114°55'.04E, again with the tide at least 1 metre over datum.

Proboscis monkeys, macaques, crocodiles, monitor lizards, fireflies, egrets, kingfishers, snakes and much else can be seen in the mangrove channel upriver of the Istana – from around 04°52'.05N 114°54'.63E to 04°50'.98N 114°52'.62E. Take your tender or a water taxi between 1630 and 1830 with tide levels of at least 0.5m over datum.

Further inland, the Temburong National Park is highly recommended. Tours can be arranged for groups of 4 -18. Contact Allan Riches at tours@bruneibay.net

SECTION 9: LABUAN

Victoria harbour at Labuan has unreliable holding because of plastic bags on the seabed, especially in the anchorage area directly off the Ferry Terminal near the Polis Marin/Maritim Malaysia dock at 05° 16'.50N 115° 14'.31E Another anchorage area off the marina is less fouled. Labuan Marina entrance is at approximately 05° 16'.32N 115° 14'.83E The Marina is usually fouled with floating rubbish.

The Marina re-opened in 2014 after being closed for several years. Unfortunately the marina still has an inadequate breakwater and so further problems are inevitable. At least one new dock broke up in 2014, and in 2017 it was reported that most of the marina has yet again disintegrated. A few docks were functional in 2018. The rates are RM 1/foot/day, plus metered power and water. In 2015 some yachts had equipment damaged when 415 volts was inadvertently supplied to the 240 volt shore-power mains. *The Marina restaurant is highly recommended.*

The Marina can accept packages to be collected later. Address: [Name], [Yacht Name], Labuan Public Marina, Jalan Wawasan, WP Labuan, 87000, Malaysia. The Marina's phone number is 087 581820

Dinghies can be left in the marina, inside the inner breakwater. Alternatively, they can be precariously moored under the gangway to the water taxi dock just north-west of the Ferry Terminal. Or call a water taxi on VHF 67, RM 1-2 per person for short trips. Most taxis are very careful coming alongside but a few have nails in place of fendering and can damage gelcoat/paint.

Labuan is a Federal Territory with Duty free status. **All yachts are required to both check in and to check out.** *Duty free alcohol and tobacco are available, but fuel is at or slightly above mainland prices. Regulations were changed in late 2016, limiting the amount of alcohol or tobacco that could be purchased. These limitations were removed in April 2019. Prices of duty-free goods are generally similar to Langkawi, with a similarly wide range of choices.*

If clearing in from Sarawak or Brunei, Immigration at the Ferry Terminal should be visited first before checking in with the Jabatan Laut and Customs. Jabatan Laut is just east of the Ferry Terminal. Customs moved in 2016 to the Customs Building near the roundabout just east of the Jabatan Laut. Checking in and out of Labuan is easy and convenient.

Labuan is a major support base for the oil industry and marine parts and services are available. Motorship Trading has Jotun antifoulings at very good prices: tony.yeo@motorshipco.com or phone +60 874 14035. Paint not in stock must be paid for with the order.

Diesel fuel is in carriers from a small station close by the water taxi dock. In 2018 there were no restrictions on how much fuel foreigners could purchase.

A visit to the Commonwealth Cemetery is recommended. There is also a Peace Park on the west coast where Japanese forces surrendered in 1945. Labuan International Golf Course is a five star facility in the southwest of the island.

To the south of Labuan, the three islands Pulau Keraman, Pulau Rusukan Kechil and Pulau Rusukan Besar comprise a Marine Park. New charges were introduced in late 2016 for all Marine Parks in Malaysia. For non-Malaysians, the fee per entry is now RM 100 per yacht. Fishing is not allowed in marine parks. Offenders can be fined up to RM 20,000 and/or imprisoned for up to two years.

In the southwest monsoon there is a fine anchorage off Pulau Keraman: 05°13'.2N 115°09'.0E, to the north of a sand spit.. There are areas of poor holding, especially close to the beach. *There is clear water, good swimming, turtles, and simple accommodation ashore that will likely soon be upgraded. Small tour boats regularly visit from Brunei and Labuan. There are walks ashore from the 'resort' to the lighthouse and also on Pulau Rusikan Kechil nearby to the south. Fresh water is very limited and the well water is brackish.*

On the north-east coast of Labuan there's an anchorage at 05°22'.7N 115°15'.4E, good holding in 6 metres on sand. *Good swimming and ashore there is the mysterious Labuan Chimney. The nearby museum is free and highly recommended.*

SECTION 10: SABAH

10.1 SUNGAI KLIAS

A recommended destination with proboscis monkeys, fruit bats, otters and fine bird life amidst the nipah palms, mangroves and jungle. It is possible to travel about 25 meandering miles from the river entrance before power lines are reached at Kota Klias: 05°26.9'N 115°37.4'E. Just beyond the powerlines there is a low road bridge. At Kota Klias, high water is Labuan + 2 hours. There are few logs and little debris.

The waypoints for the approach and river entrance as follows:

1. 05°19'.00N 115°18'.30E
2. 05°18'.90N 115°18'.90E
3. 05°18'.06N 115°19'.75E
4. 05°17'.60N 115°20'.95E
5. 05°17'.50N 115°21'.70E
6. 05°17'.72N 115°22'.36E
7. 05°18'.31N 115°22'.63E (Anchorage at Menembok)

In 2013, depths on the bar were reported a minimum of 3.2 metres on tide 1 metre over datum. In 2017 the least depth found was 3.5 metres with a tide 2.2 metres over datum.

There are buoys and first-class beacons marking the channel to the ferry terminal at Menumbok. The anchorage at Menumbok has a depth of 5 metres with a tide 1.5 metres over datum and has very good holding on mud.

The Sungai Klias entrance is at about 05°18'.23N 115°23'.13E **In 2018 an unmarked rock was reported at 05°19'.892N 115°23'.870E** . There is another shallow area with rocks that in 2013 was marked with a beacon at around 05°22'.05N 115°24'.55E This beacon was missing in 2015.

Take the larger right hand fork at 05°22'.30N 115°25'.90E Upstream from this fork, keep to the outside of the bends for deeper water. There is a tributary that is wide and deep enough for yachts at 05°25'.66N 115°33'.58E In many areas of the river, the holding is poor.

Menumbok has small shops, and ice is available. Tour boats depart from Kota Klias. Operators include the Proboscis River Lodge: borneowildlife.org and Borneo Starcruise: borneostarcrui.se.com Tour boats operate from about 16.00-18.30. Proboscis monkeys in abundance are reported from about 05°24'.6N 115°13'.8E to almost Kota Klias. In 2015 a large crocodile was seen in mid-river.

10.2 KUALA PENYU

There is a shallow bar in the river entrance at 05° 35.06'N 115° 37.64'E with only 0.9 metres at low water springs. There is an anchorage to await high tide at 05° 36.42'N 115° 37.36'E – good holding on sand and mud.

There are two sets of channel markers before the river entrance. Once over the bar there is deeper water in the river, with 6 metres or more. There is a good anchorage in the river at 05° 34.31'N 115° 36.15'E

The Excel Corporation Boatyard opened in 2013. It has a large travel-lift. It is a short distance north-west of the river entrance. The travel lift dock is well protected. It is preferable to haul out between half tide and high water. Kuala Penyu is a small town, but some marine supplies are available. It is only two hours by coach to Kota Kinabalu, and there are ferries from nearby Menumbok to Labuan which has a highly developed marine industry to support the offshore oil and gas rigs.

Boat owners are permitted to work on their own vessels. In 2013, prices were reported as: haul-out RM 1520 (both ways), RM 100/day on shore, plus power and water. Yard labour is RM 25/hour, orbital sander hire RM 2/day. Full insurance is required, but it may be possible to waive this requirement if an indemnity is signed. In 2015 a yacht was badly damaged by careless handling at this yard.

For more details, contact Lindi Majalap at Exelcorp on +60 87 883091 or (cellphones) +6 019 850 6854 or +6 013 850 6854. The email address is excelcorp.kp@gmail.com

Further upstream there are unmarked power cables crossing the river, near the town.

10.3 PULAU TIGA

The area is a Marine Park, consisting of Pulau Tiga, Pulau Kalampunan Besar and Pulau Kalampunan Damit. New charges were introduced in late 2016 for all Marine Parks in Malaysia. For non-Malaysians, the fee per entry is now RM 100 per yacht. Fishing is not allowed in marine parks. Offenders can be fined up to RM 20,000 and/or imprisoned for up to two years.

Watch for coral patches when anchoring off the resort at 05°43'.26N 115°38'.84E, good holding on sand in 3.5 metres. The resort welcomes yachts. *Dive packages are available from the resort. The resort has a restaurant and bar. In 2018 a dugong was sighted in this anchorage, reportedly the first seen for ten years.*

In 2018 a new upscale resort opened in the south east of Pulau Tiga. The rally fleet was invited to anchor off around 05°42'.40N 115°40'.25E, but it's likely that yachts travelling independently will not be welcomed ashore.

An anchorage on sand with patches of coral is reported at 05°43'.44N 115°40'.09E where a new resort is under construction. *Ashore are walking trails: 4km to 'base camp' (in the south west of the island) and 1km to the 'cold mud volcanoes' that are recommended for wallowing. There are megapode birds on the island.*

Good holding on sand is available at 05°43'.71N 115°39'.87E, *Clear water and good swimming.*

There is a good anchorage on sand off Pulau Kalampunan Besar is at 05°45'.0N 115°40'.7E Beware an isolated reef at 05°44'.46N 115°40'.47E There are other fine anchorages off the north-east coast, but they should be approached in good light as there are shallow reefs. Pulau Kalampunan Damit is the small island at the end of the nearby sand spit. *There are many sea snakes*

10.4 KOTA KINABALU (KK)

On the approaches to KK there are uncharted shallows at 05°58'.029N 116°02'.619E

Sutera Harbour is a very glamorous resort hotel and marina complex at 05°58'.02N 116°03'.37E. The postal address is Sutera Harbour Marina, Sutera Harbour Boulevard, Sutera Harbour, 88100, Kota Kinabalu, Sabah, Malaysia. The Marina monitors VHF 71.

To moor in the marina, yachts must have a holding tank and full Liability Insurance. External repairs are prohibited. The Marina is often full. The daily rates for yachts seem to be at least double those of other marinas in Malaysia. If full, there is room to anchor off, although it may be rocky. The holding is fair on mud/sand but in 2015 a rally yacht dragged anchor during a 50 knot squall and narrowly averted being wrecked on the marina seawall. Security is doubtful for yachts anchored off.

Sutera Marina has a fuel dock with easy access. Neither a holding tank nor Third Party Insurance are necessary to visit the fuel dock. In July 2015, diesel was quoted at RM 3.75/litre, when the price at road stations was RM 2.05/litre. *For marina customers there's an hourly courtesy bus to KK city centre, RM 3.00 return.*

There is a marked channel to the downtown area that starts at 05°59.13N 116°03.50E. There is a lot of fast ferry boat traffic. Several yachts have been broken into when anchored off KK, around 05°58.64N 116°04.01E. There is nowhere safe to leave a dinghy.

The offices for Immigration, Customs and the Jabatan Laut were widely scattered and outside the city, but have apparently now been moved to more convenient locations. In 2018 the rally fleet checked into KK at Sutera Harbour Marina.

Shangri-La's Tanjung Aru Resort has new watersports and boating facilities and a jetty at 05°57'.41N 116°02'.65E. There are plans to install moorings for visiting yachts. But in 2015 a yacht anchored off was made thoroughly unwelcome. *Hotel facilities, night food stalls and transport to central KK are available nearby. For details, contact the marine manager Ywan Carraz at ywan.carraz@shangri-la.com.*

The Kinabalu Yacht Club is on the road leading to the Shangri-La's Tanjung Aru Resort. Visiting yacht crews are very welcome. Email: kyctarul@streamyx.com. The address is 3A Jalan Aru, Tanjung Aru. Phone (088) 240070. The Office Manager's name is Janet.

The ORI Pharmacy is recommended: call Ron Lim on 016 777 2126. The Dr Alex Lo Dental Centre is also recommended. It is located on the 5th Floor of the CPS Tower Centre Point.

The Mun Seng Cushion Centre on Jalan Dua Puluh can repair sails and make awnings: call 088 230607. Tsin Sen Mui can make awnings: call 088 710525 and ask for Ken. Call George at Dr Sofa on 012 828 5808 for awnings, biminis and upholstery. Dr Sofa are agents for Sunbrella acrylic fabric.

Options ashore include the Sepilok Orang Utan Rehabilitation Centre, Uncle Tan's Jungle Camp, Poring Hot Springs, and, for the fit, climbing Mount Kinabalu.

Nationals of countries needing a visa for Brunei should obtain one in Kota Kinabalu before sailing south. Visas for Brunei are also available in Kuching. Note that South African nationals may need to obtain a visa before arrival.

10.5 ANCHORAGES BETWEEN KOTA KINABALU AND KUDAT

Pulau Gaya

Pulau Gaya forms part of the Tunku Abdul Rahman Marine Park. There are four other nearby islands included within the park boundaries: Pulau Sapi, Pulau Manukan, Pulau Sulug and Pulau Mamutik. The Park boundary is clearly marked on C-Map charts. New charges were introduced in late 2016 for all Marine Parks in Malaysia. For non-Malaysians, the fee per entry is now RM 100 per yacht. Fishing is not allowed in marine parks. Offenders can be fined up to RM 20,000 and/or imprisoned for up to two years

From Sutera Harbour a well marked channel in Selat Selatan can be followed to Gaya Island.

Recommended anchorages include 06°00'.56N 116°03'.18E in about 9 metres sand/mud off a resort on the north side and 06°01'.71N 116°01'.71E: 14 metres on mud.

Good shelter and good holding is reported on mud and sand off Teluk Malohom (or Gayana Bay) at 06°01N 116°03E, with depths of 15 to 20 metres all the way to the fringing reef. Isolated coral heads are also reported. The resort here is open to the public but is expensive. In 2010 there was a ferry service to Jesselton Point Pier in Kota Kinabalu.

Good holding is reported in Police Bay at about 06°01'.81N 116°01'.17E in approximately 8 metres on sandy mud off a white sand beach. A nearby resort charges heavily for landing a dinghy, but there are smaller public beaches nearby.

Kampung Besabak

A settled weather anchorage in about 10 metres on mud, off a fringing reef: 06°05'.60N 116°05'.67E. Swells from the north can make this anchorage uncomfortable.

Teluk Ambong

An anchorage reasonably sheltered from the south is reported at 06°18'.7N 116°18'.0E, 11 metres on mud.

South of Tanjung Sambalang

A sheltered anchorage in 6 metres on mud at 06°19'.22N 116°19'.03E Beware an isolated reef to the south west of this anchorage.

Teluk Tengah

An anchorage in 8 metres on mud off a fringing reef at 06°20'.25N 116°18'.98E

Teluk Kaduka (Usukan Bay)

An attractive anchorage is reported at 06°22'.17N 116°19'.57E, 4 metres on sand off a white sand beach. An alternative is at 06°21'.95N 116°20'.11E, 11metres on mud. An uncharted rock is reported at 06°27'.05N 116°20'.98E

Pulau Silad

There are two anchorages here, south of Pulau Silad 06°38'.83N 116°34'.25E and north of the island at 06°39'.11N 116°34'.76E Both are in 4 metres on sand, off deserted beaches.

White Rocks

An anchorage at 06°42'.65N 116°38'.31E is reported adequate but uncomfortable with a north-westerly swell.

Pulau Mantanani

These islands are a favoured diving spot and tours arrive daily from the mainland. These tours all leave by 15.00. But the anchorages are difficult. Yachts sailing from Kota Kinabalu will likely arrive in late afternoon when the light is low and the very extensive coral is hard to see. In 2009 a satisfactory anchorage was reported at 06°42'.04N 116°21'.57E, but this was found untenable in 2010 because of a south-westerly swell. A nearby alternative is 06°42'.22N 116°21'.08E, 4 metres on sand. In 2018 it was reported that there are few if any adequate anchorages on the north shore of Mantanani. There is a fishing village on Pulau Mantanini Besar.

South of Tanjung Tambuluran

A recommended anchorage at 06°49'.67N 116°39'.50E, on sand in about 5 metres. It might be possible to enter the river to the east of the anchorage, but survey the entrance first by dinghy as there is a sandbar. There is deeper water beyond the sandbar.

Pulau Kulambok

This promontory offers excellent anchorages depending on the wind and swell. The anchorage to the south at 06°59'.17N 116°43'.31E is in 3 metres on sand off a sandy beach.

Around the 'Tip of Borneo'

A fine, un-named anchorage in the south-west monsoon season is reported at 06°59'.11N 116°48'.24E, good holding in 11 metres on mud and sand. The approach is easy day or night on a westerly heading from 2 miles offshore to avoid reefs to the north and south. This anchorage is a recommended alternative to arriving in Kudat after dark (see below).

An alternative anchorage in 11 metres on mud is off a small stream at 07°01'.02N 116°46'.70E. Many rocks are reported to exist closer inshore from this position. In 2015 there were many fishing boats and tug/barge combinations anchored in this area, sheltering from strong south-westerly winds. Some of them had anchor lights.

10.6 KUDAT

Marina Jetty Kudat is in the 'Duck Pond' at 06°53'.5N 116°51'.5E. In 2018 the Marina was full. Water was available, but no power. Access ashore can be via the Marina (with a keycard) or by using the military docks just to the south. There is no charge for using the military docks.

Marina Jetty Kudat's phone number is +6088 616298 For those wishing to use the Marina's facilities, in 2018, yachts anchored stern-to in the Duck Pond were charged RM 1200/month. Those anchored outside were charged RM 490/month. There was also a RM 100 deposit for the keycard. Advance payment for one month was required, with a subsequent refund for unused days. The Marina has clean showers. There is a restaurant and free WiFi.

The holding is good in the Duck Pond. But if several yachts are moored stern-to, finding a space and maneuvering safely in close quarters might prove a challenge, especially in strong winds. At least one and preferably two long lines should be taken ashore. It would be difficult to anchor safely in the Duck Pond after dark. The Sail Malaysia Rally fleet usually anchors outside, where the holding is very good on mud.

The town is a 30-40 minute walk from the Duck Pond. The Jabatan Laut, Customs and Immigration are conveniently close to each other in town. *The nearby resort has a pool. The golf club restaurant is recommended. There is a good market downtown and a small supermarket underneath the Upper Deck hotel. A second supermarket opened nearby in 2018.*

It is reported that yachts have anchored off Kudat town 06°52'.63N 116°51'.23E in 10 metres on mud. This anchorage is near the Petronas fuel station, one block from the municipal markets and the two supermarkets, but seems much less secure than the 'Duck Pond'. Up to 200 litres of diesel may be purchased, but permits are required. In 2014 a taxi driver named Peter proved expert at obtaining permits and then transporting the fuel to the 'Duck Pond.' His phone number is 019 802 0084.

Penuwasa Shipyard in Kudat closed in 2019. Local hardware stores have parts and materials used by the fishing fleet, but more specialized supplies will need to be obtained elsewhere. Kota Kinabalu is a four hour bus trip from Kudat

10.7 SAILING BETWEEN KUDAT AND TAWAU

In 2014 a curfew was imposed by ESSCOM (Eastern Sabah Security Command) between the hours of 19.00 and 05.00 for all Malaysian waters more than 3 miles offshore between Kudat and Tawau.

There is a risk of yacht crews being abducted and subsequently held for ransom by bandits based in the southern Philippines. These bandits have contacts in Sabah who assist in planning attacks. In September 2015 three foreigners and one local were abducted from a yacht marina in Mindanao. Another yacht was attacked in 2016. See also Sailing in Eastern Sabah on page seven. From 2014-2018, ESSCOM provided enhanced surveillance and an armed escort for Sail Malaysia. Similar generous arrangements are likely for the 2020 rally.

Regrettably, on several occasions yachts have broken away from the main fleet. ESSCOM then suddenly had multiple fleets to protect and defend. Plans and arrangements were disrupted and the workload of the security services greatly increased. **ESSCOM has made it clear that yachts breaking away will not be tolerated and their crews risk serious penalties.**

Yachts are permitted to travel independently, but are encouraged to join the main rally fleet. If travelling independently, ESSCOM requires visiting yachts to submit a planned route and schedule. Based on ESSCOM's recommendations in 2019, the following route is recommended for a fast transit of the high-risk area:

Kudat
Pulau Banggi
Pulau Jambongan
Turtle Islands Marine Park
Sandakan or Dewhurst Bay
Pulau Tambisan (Western Anchorage)
Kampung Tungku
Lahad Datu
Tun Sakaran Marine Park
Semporna
Tawau

In 2018, yachts were advised to avoid the Turtle Islands Marine Park, the eastern anchorage at Pulau Tambisan, Dent Haven and Pulau Mabul until further notice.

To call the Authorities on VHF 16 when in town, use the prefix "Marine". Thus call Marine KK, or Marine Kudat, or Marine Sandakan or Marine Lahad Datu or Marine Semporna or finally Marine Tawau.

Another way to call the security forces quickly is to dial 999. Ask for MMEA, which is short for the Malaysian Maritime Enforcement Agency. Phone coverage is pretty good in coastal areas all the way from Kudat to Tawau.

The phone number of the main ESSCOM Operations Room in KK is 088 270 165 The phone number of the operations room in Lahad Datu is 089 863 181

10.8 ANCHORAGES BETWEEN KUDAT AND SANDAKAN

Pulau Banggi

An anchorage with good holding in 12-15 metres on mud is reported off the village of Karakit in the south west of Banggi Island: 07°06'.78N 117°05'.42E. This anchorage is safe even in strong winds (including 30 knot katabatic gusts off the local hills). *There are small shops and restaurants ashore. Petrol is available. There is a good market on Wednesdays* A very calm anchorage even in very breezy conditions with good holding in 8 metres on mud is reported at 07°07'.66N 117°05'.60E. *There is a small wharf ashore and a walk to Karakit.* An alternative anchorage is at 07°06'.88N 117°04'.36E on sand in 5 metres.

A very calm, well sheltered and exceptionally comfortable anchorage is reported at Mitford Harbour, north of Pulau Laksaing: 07°10'.21N 117°09'.42E A good anchorage north of Pulau Tagajawan is reported at 07°18'.58N 117°17'.28E: 5 metres on mud. The C-Map charts for the area are reported reasonably accurate.

Other reported anchorages are 07°08'.37N 117°07'.0E, 07°10'.61N 117°12'.13E and 07°19'.77N 117°19'.82E There are certainly many more. *Pulau Banggi is larger than Singapore.*

Pulau Balambangan

An anchorage in about 13 metres near an isolated reef (marked with a stick by local fishermen) is reported at 07°16'.13N 116°59'.18E A nearby alternative is 07°16'.610N 117°00'E, in 8 metres on sand. Good shelter from the north-west to the south-west. The C-Map charts for the area are reported reasonably accurate. Good snorkelling and walks on the north shore by an abandoned settlement.

Pulau Silk

A well sheltered anchorage. Sand in 7 metres: 06°58'.53N 117°13'.55E

Pulau Mandarah

An anchorage with very good shelter from the south, 6 metres on sand at 06°56'.02N 117°20'.12E and 14 metres on sand/mud at 06°56'.09N 117°20'.05E In 2013 a rally yacht dragged anchor in a 50 knot squall, stranded on the reef and was badly damaged. Local residents helped to refloat the yacht the following day.

Pulau Tigabu

The south coast of Pulau Tigabu has good holding in 13 metres at 06°52'.84N 117°28'.36E. There is a Marine Police post nearby, with a strong ESSCOM presence and enhanced surveillance. This is a recommended stop for yachts travelling independently.

Pulau Jambongan

There is a well sheltered anchorage on sandy mud in about 6 metres: 06°41'.27N 117°31'.69E. **But note that the reef to the north-west of this anchorage extends approximately 300 metres further south-east than charted.** A yacht on the 2014 rally hit this reef, fortunately without damage. The charted beacon at 06°42'.80N 117°32'.43E was missing in 2014.

In 2018 the Rally fleet anchored around 06°38'.05N 117°29'.35E. In 2014 the river was explored by dinghy. There are lateral marks. A large tug was seen well upriver. Near the river mouth a small general store built on stilts has basic provisions and small quantities of gas and diesel: anchor at 06°38'.35N 117°28'.70E, on mud.

Marchesa Bay

The unlit safe-water buoy in Marchesa Bay has been moved about a fifth of a mile south west of its charted position. Nearby is a reasonably protected anchorage in 10 metres with excellent holding on stiff mud at 06°40'.72N 117°35'.82E. The approach is easy and can be attempted at night.

Tanjung Samungat

An anchorage in 4 metres with good holding on mud was reported at 06°37'.88N 117°31'.02E. C-Map charts are said to be sufficiently accurate to use to navigate between the shallow mud banks nearby. In 2017 the above position was found too shallow and a deeper alternative with 6 metres on sand was reported at 06°38'.35N 117°30'.66E

Pulau Lankayan

There is a mooring off a resort at 06°30'.27N 117°54'.92E in 7 metres. A fee is sometimes charged for the use of this mooring.

Pulau Libarran

In August 2010 the area around Pulau Libarran, and Pulau Gulisan offered calm anchorages. Very good holding in 8 metres on a gently shoaling mud bottom is reported at 06°10'.06N 118°00'.64E. Shallow reefs surrounding these islands offer very good snorkelling. Another anchorage is reported south-west of Pulau Libarran at 06°06'.36N 118°00'.95E - that shoals rapidly.

The Turtle Islands National Marine Park

New charges were introduced in late 2016 for all Marine Parks in Malaysia. For non-Malaysians, the fee per entry is now RM 100 per yacht. Fishing is not allowed in marine parks. Offenders can be fined up to RM 20,000 and/or imprisoned for up to two years.

In 2019 the rally fleet was permitted to anchor in the Marine Park. Anchor southwest of Pulau Silingan at 06° 10'.25N 118° 03'.54E. in 8 metres, sometimes with fast currents. Good holding, 14 metres on sand. In 2015 the rally fleet anchored at 6° 10'.82N 118° 03'.45E to seek shelter from strong south east winds: moderate to good holding on sand. In 2018 ESSCOM recommended that the Rally bypass the Turtle Islands National Park, and instead were instructed to anchor south of Pulau Libarran (see above).

There are many turtle tracks on the beach. Landing is prohibited without a permit. In 2014 permits were issued for all yachts on the rally. Vessels anchored off are requested to not show lights at night.

Note that the national border with the Philippines passes just north of the Marine Park. In the past, yachts have mistakenly anchored in the wrong country. There is a strong ESSCOM presence in the Marine Park and enhanced surveillance. Prior to 2018 this was a recommended stop for yachts travelling independently. *The Park area includes Pulau Silingan, (with the Park headquarters, a turtle hatchery and simple accommodation for visitors), Pulau Gulisan and Pulau Bakungan Kecil. Over 1,000 green and hawksbill turtle eggs are collected daily, with a similar number of turtle hatchlings released every night.*

10.9 SANDAKAN

The recommended anchorage off the Sandakan Yacht Club (SYC) at around 05° 50'.35N 118° 07'.45E is also directly off the Polis Marin complex and well lit at night by onshore lights. This is important because the anchorage is alarmingly busy at all hours with wooden freighters from the Philippines, Polis launches, fishing boats and small runabouts. Quieter areas doubtless exist, but the lighting and the Polis presence argue in favour of the anchorage off the SYC. Extra anchor lights are recommended. Some charts show a Prohibited Anchorage just west of this area.

The SYC is very welcoming. An annual fee of RM 50 is charged per visitor, or RM 100 if an SYC 'T' shirt and cap are required. There is an additional daily charge of RM 10/yacht. Facilities include a dinghy jetty with good security, a swimming pool, a gym, a bar and a restaurant. Photocopies of the yacht's registration document and of the crew's passports are required when checking in with the SYC. The Club's postal address is Sandakan Yacht Club: Jalan Buli Sim Sim, 90000 Sandakan, Sabah, Malaysia. The Club's phone number is 089 212 518.

In 2010 the SYC replaced its wooden jetty. The holding nearby is mostly good in about 12 metres on mud, but there are a few rocky areas and heavy wreckage is reported (including abandoned anchors and mooring blocks) off the jetty. Four yachts on the 2010 rally fouled their anchors here. At least two yachts had a similar experience in 2014. Several of these anchors were rescued by Navy divers, who did not ask for payment. It is suggested that yachts anchor further offshore from the SYC than might be considered usual. Fishing boats and runabouts run at high speed between the nearby stilt village and the fish-market just east of downtown. Anchoring offshore also allows local boats unrestricted access to their usual routes. In 2014 an anchor was also fouled further offshore at 05° 50'.250N 118° 07'.494E

During spring tides the tidal currents are strong off Sandakan. Yachts can sail around their anchors, especially in squally winds. Generous extra room between boats is recommended. In 2015 several yachts dragged their anchors.

For those not wishing to use the SYC jetty, access ashore may be found at the fishing boat dock (just west of the Maritime Police). But there is really nowhere safe to leave a dinghy unattended for even a few minutes. Outboards have been stolen in Sandakan in past years. A spate of thefts was reported in August 2011 from yachts anchored off the town. Further thefts were reported in 2012. In 2014, 2015 and 2016 there was very strong security and no problems were reported.

Sandakan is a friendly if slightly manic border town with good facilities to service the extensive fishing fleet. Agnes Newton-Keith's house is a recommended destination. Nearby is a Memorial Park for the thousands of Australian and British prisoners of war who died during a forced march from Sandakan to Rinau in 1945. On August 15th 2010 a Memorial Service for these prisoners was held, attended by the Australian Governor General. It was reported to be a moving experience.

The Rainforest Discovery Centre near the Sepilok orang-utan centre (www.forest.sabah.gov.my/rdc), the sun bear sanctuary at Sepilok (<http://www.bsbcc.org.my/>) and the proboscis monkey sanctuary (www.proboscis.cc/the_sanctuary.html) have all been warmly recommended.

10.10 SUNGAI KINABATANGAN

In 2014 a curfew was imposed by ESSCOM (Eastern Sabah Security Command) between the hours of 19.00 and 05.00 for all Malaysian waters more than 3 miles offshore between Kudat and Tawau.

The Sungai Kinabatangan is second longest river in Borneo. There is much exotic wildlife. Yachts can enter via the north west entrance near Sandakan, or via Dewhurst Bay further east. Once in the river it is possible to anchor almost anywhere with good holding on mud.

Northwest Entrance Route

The C-Map chart of the northwestern entrance is inaccurate. This route has a shallow bar which could be violent in the north-east monsoon season. But during the south-west monsoon the northern entrance offers a very significant shortcut from Sandakan. The following waypoints have been approximately averaged from several sources in 2009, 2010 and 2014. These reported waypoints were all in fairly close agreement. **The figures in brackets are minimum depths recorded in 2019 with a tide 1 metre over datum.**

1. 05° 54'.00N 118° 16'.00E
2. 05° 52'.32N 118° 17'.65E (Between 1 & 2, 4.2 metres)
3. 05° 51'.50N 118° 18'.24E (Between 2 & 3, 2.3 metres)
4. 05° 50'.81N 118° 18'.51E (Between 3 & 4, 2.5 metres)
5. 05° 50'.00N 118° 19'.64E (Between 4 & 5, 1.3 metres)
6. 05° 48'.52N 118° 20'.19E (Between 5 & 6, 1.3 metres)
7. 05° 47'.63N 118° 20'.52E (Between 6 & 7, 2.3 metres)
8. 05° 46'.85N 118° 21'.00E (Between 7 & 8, 2.3 metres)

In 2015 it was thought that there was more water perhaps 100-200 metres to the southwest of this route. This agrees with observations from 2019 which suggests deeper water about 100 metres to the southwest of the above route between waypoints 5 and 7. The channel undoubtedly moves from season to season and deep draught yachts obviously need to proceed with caution. At High Water a rally yacht drawing 3.2 metres made it over these shallows in 2017/18.

Having crossed the bar, navigation in the river is reported straightforward. Shallow water is reported on the inside of the first major bend to the right: stay close to the left bank.

In 2015 there was little traffic, but palm-oil barges have been encountered underway and long, narrow log booms are sometimes towed downriver. In 2010, sand-barges were operating. In the narrower sections of the river it is important to anchor as close to the bank as possible, avoiding outside bends where logs and barges might swing wide. An anchor light is essential.

There is a recommended anchorage (that in 2018 had astonishing fireflies flashing in unison) at 05°42'.06N 118°21'.56E. Turn right at Kampung Abai, 05°41'.91N 118°23'.04E for the river upstream to Sukau.

Upstream from Kampung Abai

In 2012 a rally yacht was burgled with the crew aboard when anchored about 3 miles north of Kampung Abai. The thief may have been associated with tour boats from Sandakan

An anchorage near a tributary leading to a large ox-bow lake is at 05°40'.22N 118°23'.25E In 2010 and 2014 male orang utans were seen in this area. Another tributary near an anchorage at 05°33'.42N 118°20'.09E has ropes crossing, installed to encourage (non swimming) orang utans to extend their territories. All monkeys now use them to cross this tributary without risk of attack from crocodiles.

Some 23 miles upriver from Kampung Abai is Kampung Sukau, with various tourist lodges. This is the end of the road for many yachts as powerlines cross the river. The tides in Sukau are reported to turn 6 hours later than at Sandakan. In 2019, ESSCOM requested that the rally fleet anchor together near the village around 05°30'.50N 118°17'.34E

The powerlines are very difficult to see. The wires are at approx. 05°30'.51N 118°17'.20E. The exact height of the powerlines is not known. In 2010 a ketch with a 16 metre mast passed safely under the wires at high tide by heading upstream very close to the right hand bank where the wires are highest, in about 3.5 metres of water. During the wet season the river will be higher and the clearance less. In October 2010 the river quickly rose about 2 metres after rains inland. A few years ago a crane on a barge hit the wires and caused RM 50,000 worth of damage. The cost of repairs to the crane isn't known. Further upstream another set of powerlines is reported, with perhaps 14 metres of clearance. It's about 50 miles from the wires to the eastern mouth of the Kinabangan at Dewhurst Bay.

Yachts restricted by the powerlines can anchor near Kampung Sukau, or south of the ferry terminal on the left bank of the river (when heading upstream) near the Barefoot Lodge at 05° 31'.39N 118° 17'.80E (This anchorage often offers more protection from logs and debris than the anchorage nearer the village centre.). *In 2015, simple but inexpensive meals were available without pre-booking from a recommended new restaurant just downstream of the Barefoot Lodge. From the Barefoot Lodge it is a half-hour walk to the village, but there are gibbons, red leaf-monkeys and hornbills to see on the way, especially just after dawn.*

There are very basic provisions in Sukau village and a couple of simple restaurants. There is a good new shop a mile or so out of the village on the main road to Sandakan/Lahad Datu. High quality petrol and diesel is available from a store on the river, on the right bank heading upstream beyond the powerlines, just past the Kinabatangan River Lodge. In 2015, diesel was RM 2.60/litre – a fair price considering it had to be delivered in plastic barrels from some distant source. On Thursday mornings there's a fish and vegetable market in the village centre – get there by 07.00 for the best produce. Over the first weekend of every month there's a much bigger market south of the village centre that starts on Saturday afternoon and continues on Sunday morning.

Perhaps half a mile upstream from the wires (just after the first bend to the left) there's a side tributary on the right with many proboscis monkeys. There are rope bridges across this tributary, perhaps two miles from the entrance on the main river.

The local pygmy elephants have been reported at the following locations:

2006: 05° 36'.48N 118° 21'.0E & 05° 35'.75N 118° 20'.80E.

2009: 05° 36'.25N 118° 20'.09E & 05° 37'.72N 118° 22'.30E.

2010: 05° 38'.50N 118° 21'.50E & 05° 35'.96N 118° 20'.82E.

2012: 05° 35'.62N 118° 20'.68E & heard but not seen at 05° 47'.41N 118° 20'.64E

2014 Close to Kampung Sukau, and at about 05° 39'.71N 118° 23'.20E

2015 Approximately 25 miles upstream from Sukau

2018 Approximately 5-10 miles upstream from Sukau

In early August 2008, September/October 2010 and in 2015 the elephants were reported much further upriver. In 2018, tours to see the elephants 5-10 miles upstream from Sukau were available by fast speedboat at very reasonable cost.

From Kampung Abai to Dewhurst Bay

When returning downstream, there is a choice of turning left at the junction at Kampung Abai (05° 41'.91N 118° 23'.04E) to return to Sandakan, or of turning right for Dewhurst Bay.

On turning right and heading east, some ten miles from the Kampung Abai river junction the jungle starts to be replaced with Nipah palm. About fifteen miles from the junction is a 'crossroads', where yachts should turn right (approximately due south). Keep the centre of the river until reaching 05° 37'.90N 118° 31'.83E. It is very shallow on the right if you turn too soon. In 2014 yachts heading downstream with a strong favourable ebb tide met a considerable set to port having turned right at the above waypoint. The tides at this junction are reported to turn 3 hours later than in Sandakan.

The shallowest navigable section of the river is where it joins Dewhurst Bay. In 2015, yachts on the following route met a least depth of 2.2 metres on a tide 1.0 metre over datum. The shallowest section was between waypoints 1 – 2: stay as close as possible to the nipah palms. It was shallow when approaching waypoint 3 in 2014, but very much deeper in 2015. In 2019 the minimum depth found on the following route was 3.0 metres with a tide 1.5 metres over chart datum.

1. 05°35'.96N 118°31'.96E
2. 05°35'.53N 118°32'.61E
3. 05°33'.93N 118°33'.79E
4. 05°34'.65N 118°34'.92E

The mud is likely to move during the wet season floods and these waypoints may not stay valid. A rally yacht drawing 3.2 metres made it over these shallows in 2017/18.

Passing a village with a tall communications tower, there is an anchorage around 05°35.83N 118°35'.00E. In 2014 a jetty a short distance north had fuel and a limited selection of provisions for sale. The route then favours the right bank to avoid charted shallows to the west.

There is an anchorage in Dewhurst Bay around at 05°38.34N 118°36'. *The beaches are often alive with wild boars, proboscis and smaller monkeys, while above there are plentiful eagles, bats and fireflies. Crocodiles are common.*

10.11 ANCHORAGES BETWEEN DEWHURST BAY AND TAWAU

Sungai Maruap/Pulau Evans

The river entrance is said to be reasonably accurately charted on C-Map. Approach from 05°29'.57N 118°56'.00E. At high tide there's about 4.5 metres over the bar on the way to 05°26'.38N 118°56'.05E. From there head for 05°24'.62N 118°56'.44E. On entering the river there was once a Police post to port, although in 2014 this was in a state of collapse. An anchorage at 05°24'.20N 118°55'.50E offers very good holding on mud in about 5 metres. The anchorage is reported idyllic, very well protected with no swell and often breezy. There are lots of river branches to explore by dinghy. The tide times appear to be very close to those published for Sandakan.

Pulau Tambisan

There are extensive unlit fish farms and traps inside the 20 metres contour off the west and north-west coasts of the island. On north-east Tambisan there is a large fishing port with much activity. In 2018, yachts were strongly advised not to anchor in that area.

In 2019 the rally fleet anchored at 05° 26.41 N 119° 07.42 E, in the channel between Pulau Tambisan and the mainland. It is a calm anchorage, with good holding on mud. The following morning the fleet proceeded east through the channel. The minimum depth was about 5 metres at low tide.

Western Entrance:

1. 05° 26.05 N 119° 05.91 E
2. 05° 26.26 N 119° 06.76 E

Eastern Entrance

1. 05° 27.06 N 119° 08.79 E
2. 05° 27.32 N 119° 09.23 E

A reef is reported at approximately 05° 26.50 N 119° 07.61 E, just east of the 2019 anchorage area. Leave this reef to starboard when heading east. The C-Map chart of this channel is inaccurate.

A good, flat anchorage in 8 metres with excellent holding on stiff mud is reported at 05° 26'.51N 119° 05'.04E. The Rally used this anchorage in 2018, and then sailed offshore around Pulau Tambisan.

Dent Haven

This anchorage was ruled out for the rally in 2018/19 as being too close to the border with the Philippines. Approach from 05° 15'.96N 119° 19'.49E and head west towards a blue-roofed house. A large anchorage in 7 metres with good holding on mud is reported around 05° 16'.06N 119° 15'.76E. A nearby alternative, with better shelter from the south east is at 05° 15'.03N 119° 15'.52E

There may be strong cross currents in the approaches. At night the breezes are usually offshore from the west.

Kampung Tunku

The rally fleet usually anchors near Kampung Tunku en route for Lahad Datu or the Tun Sakaran Marine Park (see below). There is a good if open anchorage off Kampung Tunku and a nearby resort at 05° 01.03N 118° 53'.57E Excellent holding on heavy mud. There are fish farms/traps nearby. Ashore there are small shops and at least two restaurants: one Malay, the other Indian.

West of Tunku Lighthouse

Beautiful scenery is reported in an un-named bay at 04° 59'.24N 118° 50'.33E. Very good holding in 10 metres on heavy mud. Entrance is possible at night. There are no fish farms in the area.

Lahad Datu

Lahad Datu is the regional centre. It is a very well sheltered port with a commercial area east of the town. The anchorage recommended by the Police and Maritim Malaysia is between the Polis Marin station (a blue-roofed building near the red-and-white water tower) and the Maritim Malaysia dock, around 05° 01'.17N 118° 20'.10E: 6 - 10 metres on muddy sand. The generally good holding is sometimes compromised by plastic bags. Approach via 05° 01'.50N 118° 20'.70E to keep safely north of a shoal area.

The landing on the seawall is rough and dinghies would need a stern anchor to hold them off. Security is doubtful. But in 2014, rally participants were permitted to leave their dinghies tied to a patrol boat at the Maritim Malaysia dock. It was requested that dinghies remain unlocked in case the patrol boat was needed in a hurry.

In 2015 a two metre crocodile was seen in the anchorage area. *There is a large Econosave supermarket in the centre of town. A Giant supermarket opened in late 2015. There are excellent markets.*

Silam

This anchorage is about 16 miles from Lahad Datu. Anchor on hard sand, with some coral outcrops around 04° 58.17 N 118° 15.36 E. There are reefs nearby and so it is recommended that an approach should be made with good light. Ashore there is a timber jetty, with a resort planned nearby. This was a rally stop for the first time in 2019, when 28 yachts visited. Joe Wong was the host for the 2019 event. Call 011 105 62866

Tun Sakaran Marine Park

New charges were introduced in late 2016 for all Marine Parks in Malaysia. For non-Malaysians, the fee per entry is now RM 100 per yacht. Fishing is not allowed in marine parks. Offenders can be fined up to RM 20,000 and/or imprisoned for up to two years.

From 2014-2018, rally yachts were invited to anchor inside the 'lagoon' at Tun Sakaran Marine Park, off the Marine Park headquarters on Pulau Bohaydulang at around 04° 35'.89N 118° 46'.68E. This anchorage is deep, ranging from about 18-21 metres, but the holding is adequate on sand with occasional coral outcrops. Pulau Bohaydulang and the larger Pulau Gaya to the north, offer spectacular scenery. In September 2018 three Indonesian fishermen were abducted from their boat near Pulau Gaya. *Snorkelling on the nearby reefs is reported excellent, with a profusion of turtles.*

Yachts travelling independently will need a permit to anchor in the Tun Sakaran Marine Park. In the absence of a permit, yachts seem to be tolerated at a scenic and sheltered anchorage at

04°35'.56N 118°43'.31E. Crystal clear water, 15 metres on sand. There are many secluded anchorages nearby, but these would likely need surveying first by dinghy.

Alur Silawa

Approximately 1 mile west of the entrance to the channel between Semporna and Pulau Bumbun. Excellent holding on mud in 12 metres was reported 04°31'.89N 118°33'.02E, with pretty scenery and no swell or wave action. This is especially recommended as an anchorage to await favourable tides when heading south in the Semporna Channel.

Semporna

The tidal currents in the channel off Semporna can be significant. The British Admiralty's 'Total Tides' programme's predictions for tidal currents often seem to be 1-2 hours late. The direction of buoyage changes at Semporna. There is considerable small-craft traffic and often appalling volumes of floating rubbish.

Anchoring in Semporna is difficult. In 2016, 2017 and 2018, the local fishing fleet was evicted so that the Rally could anchor stern-to a concrete wall around 04°28'.69N 118°37'.04E. Lines ashore should be rat-proofed. There may be insufficient water for deep draught yachts during spring tides. In 2017/18, a Rally yacht needing over 3 metres had to anchor off around 04°28'.68N 118°37'.22E, 8 metres at chart datum, just off a reef. Another reported position is 04°28'.57N 118°37'.30E, but in 2018 several yachts anchored in this area dragged in very moderate conditions and many found much deeper water. Fishing boats anchored with long ropes took up much of the available space. Other anchorages nearby are marginal at best on broken coral and many areas are excessively deep. In 2018 three rally yachts anchored around 04°28'.56N 118°37'.57E An anchorage with better holding on mud was found at 04°30'.21N 118°37'.38E, but there is coral close nearby. In 2010 one rally yacht anchored near the above waypoint swung into coral with the change of tide. Adequate holding was found in 15 metres just south of the town at about 04°28'.1N 118°37'.5E, but this anchorage is steep to with coral close by. In 2010 a superyacht was anchored for several weeks in mid-channel, presumably in 30 metres or more.

In 2013 a rally yacht anchored off the Semporna Navy Base at 04°25'.12N 118°35'.46E. This is a restricted area, into which the rally fleet was denied access in 2014. But individual yachts may be allowed to remain after being given permission by a patrol vessel. Calm and well sheltered. Good holding on mud, 5 metres.

An anchorage in Tagassan Bay at 04°21'.81N 118°33'.46E. is less sheltered than the Navy Base (see above) but recommended for yachts awaiting the tide to head towards Semporna or the Sungai Kalumpang (see below). Tagassan Bay has mostly good holding on mud. The 2019 rally fleet anchored here.

At the south end of the Semporna Channel there is a good anchorage in about 12 metres with excellent holding on mud at 04°19'.82N 118°29'.37E. This would be a good place to await a favourable north-going flood tide through the Semporna Channel, which should flow between High Water Tawau and High Water Tawau +5.

Mabul Island

Good snorkelling is reported near a anchorage on sand at 04°14'.68N 118°38'.39E and 04°15'.0N 118°38'.15E.

Pulau Sipadan

Yachts are not permitted to enter the marine park, which is rated as one of the best diving locations in the world. Visitor numbers are restricted to 120 per day. The best way to get to the island is to book via dive operators in Semporna or via the Sipadan Mangrove Resort in Sungai Kalumpang (see below).

Pulau Silungan

There is a good anchorage to the east of the island at 04°19N 118°27'.5E, in 4 metres at low tide, on mud.

Horn Reef

An anchorage at 04°15'.04N 118°26'.15E is reported, 14 metres on sand. The edge of the reef is clearly visible at low tide.

Sungai Kalumpang

A shallow river entrance leads to the Sipadan Mangrove Resort on the Sungai Kalumpang. In 2014/15 the following waypoints were used successfully by Sail Malaysia yachts.

- 1 04°18'.80N 118°21'.76E
- 2 04°19'.47N 118°21'.81E
- 3 04°20'.04N 118°21'.62E
- 4 04°20'.34N 118°21'.23E

The shallowest section was between waypoints 2 and 3. Depths were approximately 1.6 metres with a tide 1 metre over datum. Yachts drawing over two metres made it over the bar at high tide, with 1.8 metres over datum.

From waypoint 4 the depths increase and there is plenty of water on the outside of the river bends.

The Sipadan Mangrove Resort is on the left bank of the river when heading upstream, at around 04°21'.29N 118°19'.28E There is ample depth, good holding and room for 20 yachts or more. There is some small barge traffic, and yachts are requested to anchor close to either bank to leave a channel clear. See www.facebook.com/pages/Sipadan-Mangrove-Resort/505619906147335 for more information on the resort.

Fishing Platforms

Between Sungai Kalumpan and Tawau there are numerous wooden fishing platforms, that are often lit at night. They do not seem to have floating ropes, nets or other obstructions attached or nearby, but if unlit they might be difficult to see at night and will likely show up poorly on radar.

There are further fishing platforms south of Tawau in Indonesian waters.

Roach Reef

A new resort complex was under construction in 2014. The waters were found unsuitable for diving and will remain so until construction is complete.

10.12 TAWAU

In 2014 a curfew was imposed by ESSCOM (Eastern Sabah Security Command) between the hours of 19.00 and 05.00 for all Malaysian waters more than 3 miles offshore between Kudat and Tawau.

There is an anchorage off the Tawau Yacht Club (TYC) at around 04° 14'.95N 117° 52'.40E. But the holding on soft mud is suspect in some areas and in 2016 several rally yachts fouled their anchors on “rubbish”. Beware a (charted) line of four heavy unlit steel mooring buoys just north and east of this position. South-east of the anchorage is a very busy container port. In 2010, extensive dredging was being carried out 24 hours a day around the container port, with unlit floating pipe-work extending south and south-west. All in all, it might be best to arrive in daylight.

In September 2010 a gale force squall affected the anchorage and two of five yachts dragged anchor. In August 2017 a 30 knot squall persisted for two hours and 11 of 14 rally yachts dragged their anchors. In 2019 there was another powerful squall and more yachts dragged.

This anchorage might quickly become unsafe if a powerful squall coincided with a contrary spring tide. Tidal currents in Tawau can run at over 2 knots.

In 2014 five rally yachts had ropes cut and removed when their owners were ashore. Police patrols were subsequently stepped up. In 2013 a dinghy and outboard was stolen from an anchored yacht, but both were subsequently found and returned by the Polis Marin. The culprit was caned and jailed.

During big low tides there is very little water off the Club’s slipway and pier. In 2018 at least two dinghies were caught underneath the pier on a rising tide. Also in 2018, the skipper of a visiting yacht fell through a rotten plank on the pier’s dinghy dock. When wet the concrete slipway is dangerously slippery.

The TYC is extraordinarily welcoming. Individual visiting yachts are charged RM 160 for temporary membership. In 2018 the charge for those on rally yachts was RM 50/person. The TYC’s manager is Mr Wong . He can assist with supplies (including fuel) and repairs. The Club’s postal address is: Tawau Yacht Club, Jalan Tanjung Batu (opposite Hospital Tawau), 91008 Tawau, Sabah,

The TYC has an excellent restaurant with inexpensive beer. Food is paid for by cash, drinks by buying a RM20 book of tickets. There is a swimming pool, a gym and an enormous flat-screen TV.

To check in with the authorities, exit the Tawau Yacht Club, turn right onto Jalan Dunlop, pass the hospital and head towards town. The Jabatan Laut is on the right 200 metres beyond the first set of traffic lights. The office opens at 07.30 weekdays, but is closed on weekends. Then proceed to the Jabatan Pelabuhan Dan Dermarga Sabah Cawangan Tawau, not far from the Jabatan Laut, on Jalan Persisiran, the road closest to the sea. Customs and Immigration are now in the new Ferry Terminal. A pass is required to enter the Terminal, for which a RM 15 fee is payable on departure.

There is an Indonesian consulate in Tawau that can arrange two month 'Social' visas in about 3 hours. If the paperwork is completed in the afternoon, the completed visas should be available the following day. In 2018 each visa cost RM 205.

SECTION 11. CHECKING INTO INDONESIA

The formerly compulsory Cruising Permit for Indonesia, otherwise known as a Clearance Approval for Indonesian Territory, or CAIT, was thankfully discontinued in 2015.

In 2016 it was also announced that Automatic Identification System (AIS) transponders would henceforth be compulsory for all yachts in Indonesian waters. In 2018 it was reported that in Indonesian waters only a minority of local ships and very few tugs or fishing boats have working AIS transponders.

In August 2018 the Indonesian government's on-line system was out of action for several weeks and there were problems submitting the required Vessel Declaration Forms.

In 2018 the Sail Malaysia Rally fleet checked into Indonesia at Nunukan. This proved to be a much easier option than completing formalities at Tarakan.

In another welcome change, one month visas should now be available at most Ports of Entry. But one month Visas On Arrival cannot be renewed. All rally crews arriving in Nunukan were equipped with Social Visas arranged at the Indonesian Consulate in Tawau (see above). After the second month, Social Visas can be renewed monthly for another four months at a Port of Entry, but a week is officially recommended for each renewal. In 2019, yacht crews attempting renew Social Visas in Bitung were told that renewals could only be completed two weeks before expiry. Sometimes the original sponsor of the visa is rejected and a local sponsor has to be found instead. This can take days and be very expensive. A majority of yachts limit their stays in Indonesia to two months or fewer.

A respectful attitude to the Authorities is essential. Correctly pointing out that the paperwork is insane is unlikely to help. A Ship's Stamp may not be strictly necessary but is if you have one its use will be welcomed. In 2018 a completed set of documents from Nunukan included the following:

A Port Clearance

A Ship's Health Book with seven stamps from various agencies

Ship Sanitation Control Exemption Certificate

Port Health Quarantine Clearance

Crew List stamped by Immigration

Indonesia Immigration Clearance (Arrival)

Indonesia Immigration Clearance (Departure)

Certificate of Pratique

Passenger List

Legal Declaration of Ownership

Ship's Certificate of Medicine Chest

Vessel Declaration (2 pages, in Bahasa Indonesia)

Vessel Declaration (2 pages, in English, copy of above)

Vessel Declaration (2 pages, with blue fields)

NUNUKAN

In 2018 the boundary markers of an approved triangular-shaped anchorage were as follows:

- 1 04°08'.56N 117°37'.93E
- 2 04°08'.43N 117°38'.04E
- 3 04°08'.64N 117°38'.43E

The holding was reported good on mud. There can be very strong tidal currents. Access ashore was via a floating jetty with a blue roof to the east of the anchorage. Crews could scramble ashore via a stainless steel ladder and the dinghy then left safely tied to the gangway.

TARAKAN

The first yachts arriving in Tarakan with the 2014 Sail Raja Ampat Rally were ordered by a Coast Guard patrol vessel to anchor off the oil terminal. The next morning a tanker's departure was delayed whilst those yachts moved and re-anchored. Yachts should anchor to the north-west of a line drawn from the north-east to the south-west of this waypoint: 03°17'.04N 117°35'.05E which is well clear of the oil terminal. The holding is marginal on mud with rocky outcrops. In 2016 a yacht fouled its anchor at 03°17'.159N 117°35'.128E. It was suggested that yachts anchor at least 80 metres away from this waypoint, which has heavy wreckage.

There are two ferry terminals in Tarakan. The blue-roofed building at the north-west end of the anchorage is the terminal for local ferries. Dinghies are not permitted to land there. South east of the oil jetty is the Port of Tarakan's main wharf. In 2014-17, access ashore was by climbing over a long-range ferry or an official patrol boat moored on the inner side of the dock. Dinghies could be safely left on the ferry or patrol boat. The vertical ladder to the dock from the patrol boat is not for the faint-hearted, but the 2015 version was an improvement on the year before. From the wharf a covered walkway leads to Customs and Immigration.

Tarakan is not a tourist town and yachts are a novelty. The locals are reported very friendly and eager to help. It is suggested that a picture of your yacht be taken ashore with you to explain your means of transport. The Port of Tarakan's main wharf is at the south-east corner of the main road that runs along the seafront. The main shopping area and the market are at the north-west end of this road: in 2014 a minibus charged Rp. 4,000 (just over RM 1) per person each way from the wharf to the market. Close to the market is a nature reserve with wild proboscis monkeys. The island has a museum and several memorials and relics from fighting between Australian and Japanese forces in 1945.

CLEARING OUT FROM INDONESIA

When subsequently clearing out of Indonesia, make sure the intended Port of Departure has approved Customs and Immigration offices. Not all Ports of Entry can clear yachts. In 2015 the following list was made available, listing only 19 Approved Ports for yachts to clear in and out of Indonesia. Oddly, the big city of Makassar on Sulawesi is not included.

- Sabang, North Sumatra – Weh Island
- Medan, North Sumatra
- Bintan, Bintan Island
- Padang, West Sumatra
- Batam, Nongsa Point Marina
- Tarempa, Anambas Islands
- Belitung, Belitung Island
- Jakarta, Batavia Marina
- Bali, Bena
- Kupang City – West Timor Island
- Kumai, Central Kalimantan
- Tarakan, North Kalimantan
- Nunukan, North Kalimantan
- Bitung, North Sulawesi
- Ambon, Molluccas
- Saumlaki, South Mollucas – Yamdena Island
- Tual, South East Mollucas – Kei Island
- Sorong, West Papua
- Biak, Papua.

When clearing out, Immigration should be visited first, then the Health/Quarantine Department, then Customs and finally the Harbourmaster, whose office will eventually issue the Clearance, but only within 24 hours of departure. (This differs from the procedure in Malaysia, when the final clearance is issued by Customs.) Charges should total Rp. 100,000, or less. It was reported that in Belitung in 2018, Customs insisted on inspecting outbound yachts before a clearance would be granted.

(Very) Brief Notes on the Sail (To) Indonesia Rally Route from Tarakan to Bitung

C-Map charts of the area around Derawan are about half a mile in error. There are very strong currents. Approach only with good light.

Toli Toli is highly recommended, with a good if rapidly shoaling anchorage on mud around 01°02'.42N 120°48'.40E In 2018 the dinghy dock near the DJ Bar and Restaurant was under repair, and access ashore was via the multicoloured Rainbow Dock to the west. This dock became difficult with any significant swell. Excellent diving and snorkelling is available from nearby beaches. For information on anchorages on the west coast of Sulawesi, south of Tolitoli, see Appendix VII.

There is a very good anchorage off Kwandang around 00°51'.64N 122°54'.04E with plenty of room for many yachts. Around 4 metres on mud with excellent holding. C-Map charts in this area are up to a mile in error. Approach only with good light. There is very fine snorkelling/diving around offshore islands about 5 miles from this anchorage. Local tours are available. In 2018, privately-arranged tours were taken to the south coast to see the whale sharks that congregate off Gorontalo.

The only anchorage reported off Manado is just north of the big suspension bridge: 01°30'.20N 124°50'.34E It is steeply shelving but has good holding on mud. In 2015 the Immigration office in Manado was surly and unhelpful. In 2015, Social Visa extensions in Bitung took 1-2 days, but in 2019 officials in Bitung announced that Social Visas could now only be renewed within 14 days of the expiry date. One yacht managed to get an extension in Manado. The remainder sailed on, hoping to renew their Social Visas further east.

The main anchorage near Bitung is around 01°27'.35N 125°13'.00E: mostly good holding in about 15 metres on mud. There are several alternative anchorages on the east side of the waterway. **Beware a very dangerous and completely unmarked steel wreck in Bitung Harbour at 01°26'.843N 125°12'.698E** This wreck is clearly visible on Google Earth.

In 2015, constant strong southerly winds and a north-setting current of 2 – 3 knots made it close to impossible to sail south from Bitung into the Gulf of Tomini.

APPENDICES

APPENDIX I: LATITUDES AND LONGITUDES

Waypoints have been incorporated into the text. A waypoint is a geographical location. Each location has a latitude and a longitude. For those not familiar with these terms, here is a quick introduction.

A latitude is a distance north or south from the equator. All latitudes in Malaysia are north of the equator. Latitudes are measured in degrees, minutes and fractions of a minute. These fractions can be in sixtieths or hundredths of a minute. In this Guide they are listed in hundredths of a minute, usually rounded to two decimal places. One minute of latitude is one nautical mile. A knot is a unit of speed, exactly equivalent to one nautical mile/hour, or approximately 2 km/hour. For example, the latitude 06°19'N represents a line 6 degrees and 19 minutes north of the equator. With 60 minutes in a degree, this line of latitude is thus exactly $(6 \times 60) + 19 = 379$ nautical miles north of the equator. An aircraft flying at 379 knots would take an hour to fly due north from the equator to this line of latitude, which incidentally passes through an anchorage in Kuah, Langkawi.

A longitude is a distance east or west of the so-called Prime Meridian, which passes through Greenwich, London. On the other side of the world from the Prime Meridian, east and west longitudes meet at 180 degrees E/W at the “date line” - although the actual observed date line swerves around some national boundaries because it would be inconvenient for a single nation to have some territory on one day and the remainder on another. The distances represented by degrees and minutes of longitude east or west vary depending on the latitude. All longitudes in Malaysia are east of the Prime Meridian. That same anchorage in Kuah has a longitude of 99°51'E. The complete waypoint is thus 06°19' N 99°51'E, although in the Guide this waypoint incorporates decimal fractions of a minute for extra accuracy and is presented as 06°18'.75N 99°50'.80E

All yachts now use the Global Positioning System (GPS) for navigation. This system was created for and by the United States Department of Defense, but has been made available free of charge for all. It is astonishingly accurate, but the paper or electronic charts onto which GPS positions are plotted may not have been recently surveyed or corrected. Some older charts in Malaysia do not conform to the usual WGS84 datum. (See ‘Chart Datum’ in the Glossary for a little more detail.) In addition, it is frighteningly easy to transpose numbers or otherwise muddle up GPS waypoint data. Listed GPS waypoints always need to be treated with grave suspicion in this and every pilot and cruising guide.

APPENDIX II: AN (ABRIDGED) GLOSSARY of SAILING TERMS

Aft Towards the stern or after-part of a ship.

Aground A ship resting on the seabed is said to be aground. When put aground on purpose, she is said to be taking the ground. When put aground by accident, she has run aground.

AIS (Automatic Identification System) Automatic transmitters broadcast information on the ship, including the ship's name, course and speed, which can be received by other ships. This is an excellent safety feature, especially for commercial vessels. **Yachts** can fit a receiver, or a transponder which both receives and sends details of the yacht to all ships in the vicinity. In areas of very high traffic density, for instance near Singapore, AIS receivers tend to get overwhelmed by the number of vessels both anchored and underway that are broadcasting data.

Anchor A device designed to dig into the seabed and then to hold a ship in one location. There are many designs. An anchor can be attached to the ship by a rope or chain. Chain is much more reliable, but much heavier. As a compromise, some **yachts** have a length of chain attached to the anchor, and then rope from the chain to the boat.

Anchorage A location suitable for ships to lie at anchor. Anchors usually dig deeply into mud and sand and these areas are said to offer good **holding**. Rocky bottoms are best avoided if possible. Broken coral usually has poor holding, and chains can easily get tangled up in coral reefs, which is bad for both the ship and the coral.

Anchor Ball A spherical shape mounted forward to indicate to other vessels that the ship is anchored.

Anchor Buoy A floating buoy used to mark the position of an anchor. If the buoy rope is tied to the crown of the anchor, the rope can be used to try and recover a fouled anchor by pulling it 'backwards' away from the chain. This is called 'tripping the anchor'.

Anchor Light An all-around white light shown at night when the ship is at anchor. These lights can be at the top of the mast, or anywhere convenient usually at the forward end of the vessel. In Malaysia it is now common practice to add additional flashing lights, but flashing lights alone are not recommended.

Antifouling A poisonous paint that is designed to inhibit the growth of weed and barnacles. Antifouling using tin are highly effective but also damage the environment and are now banned. Copper based antifouling are less effective but are still permitted. In Malaysian waters most **yachts** need to **haul out** every year or two for new antifouling.

Awash Almost submerged. Rocks awash at high tide might be clearly visible at low tide.

Beacon A fixed navigation mark positioned to indicate shallow water at the edge of a channel. Beacons may be professionally-built structures complete with solar powered lights, or, at the other extreme, just a stick (or 'withy') stuck into the seabed.

Bearing The horizontal angle between true north and an object whose bearing is being taken. Bearings taken with a magnetic **compass** may need to be corrected for deviation (errors aboard the ship) and variation (the local difference between true north and magnetic north). The magnetic variation in Malaysia is insignificant.

Becalmed A sailing ship motionless at sea because of a lack of wind is said to be becalmed.

Bow The front end of a ship.

Breakers Waves breaking over rocks or shoals are a clear indication of shallow water.

Breakwater A construction designed to protect a harbour and so provide shelter for ships and docks.

Catamaran A vessel constructed of two hulls linked by a deck. (See **Multihulls**)

Cardinal Marks Cardinal Buoys and beacons can be positioned to the north, east, south or west of a danger. They have various yellow and black colour schemes. All have two triangular topmarks: two pointing up for north, two pointing down for south, two ‘back to back’ for east (making an ‘Egg’ shape) and two apex to apex (making a ‘Waist’ shape) for west.

Catenary The curve of an anchor chain between the ship and the seabed. If the water is deep enough and if sufficient chain is let out (that is, sufficient **scope**) the pull of the ship on the anchor will be horizontal. This maximises the holding power of the anchor. If insufficient scope is used, the pull may be partly upwards, away from the seabed, which tends to pull the anchor out of the ground and so can cause it to drag.

Characteristics The distinguishing qualities of a navigation light. These lights can be red, green, white, or yellow. They can be fixed, flashing or occulting. (Flashing lights are off more than they are on. Occulting lights are on more than they are off.) These characteristics are recorded on navigational **charts**: an example being Fl(3)G8s (three flashes from a green light every eight seconds) and Fl(2)20s22M (two white flashes every 20 seconds, with a range of 22 **nautical miles** in ideal conditions). Incidentally, the navigation lights in Malaysian waters are very well maintained by the government’s Jabatan Laut (Marine Department).

Charts The most important piece of navigational equipment on board a ship. A nautical chart is a map of a sea area, with depths of water (at **chart datum**), coastlines, land areas, shoals, **buoys**, **beacons** and the **characteristics** of all lights. There is often information on the seabed, like Co (coral) or M (mud). Every chart should also have information on the local magnetic variation. (See **Magnetic North**). Modern electronic charts are now widely used, but it’s wise to have paper charts as a backup.

Chart Datum The reference point for depths of water on a chart, usually (but not always) the Lowest Astronomical Tide. Thus there is usually more water than the chart indicates, depending on the state of the tide. If in the Guide a depth of water is reported “with the tide 1.4 metres over datum” then at the lowest **spring tide** there would 1.4 metres less water at that location.

Another meaning of Chart Datum refers to the chart itself. Most new charts now use the World Geodetic Survey 1984 (WGS84) Datum, onto which satellite-derived (**GPS**) positions can be directly plotted. Some older charts use different datums, which can result in errors. For example, GPS positions plotted on some charts in Sabah waters are about 300 metres in error, probably because these charts are based on an obsolete datum. Charts of Pulau Derawan in Indonesia are close to half a mile out.

Colregs (International Regulations for Preventing Collisions at Sea) These regulations are binding on all ships. Professional mariners on commercial vessels almost never break the rules. Fishermen in South East Asia are less familiar with the Colregs and cannot be relied upon to obey them. In confined waters and Traffic Separation Schemes (such as in the Malacca Straits and around Singapore) **yachts** never have the right of way and must always keep clear of commercial vessels.

Compass An instrument with a magnetic needle that points towards the earth's **magnetic north** pole. There are also gyro-compasses that achieve similar ends with very different technology, but these are rarely seen on **yachts**.

Courtesy Flag A vessel visiting a foreign country should fly that country's flag as high as convenient on the **starboard** side of its mainmast. The usual convention is that this courtesy flag should be about a quarter the size of a yacht's national **ensign**, which should be flown at a much lower height at the stern of the ship.

Declination The angular distance of a celestial body north or south of the equator, measured from the centre of the earth.

Dinghy A small boat used to carry crew and goods to and from a **yacht**. Sometimes called a tender, they can be propelled by sails, oars or these days most commonly by small outboard motors. Many modern yachts use inflatable dinghies, which are very buoyant and stable but vulnerable to being punctured by sharp objects. The words yacht and dinghy (derived from a Hindi word for small boat) are both very hard to spell for those whose first language is not English, and for some of those for which it is.

Direction of Buoyage **Lateral marks** are always aligned with the **flood** tide. Thus, where flood tides meet the direction of buoyage changes.

Draught The depth of water needed to float a ship. The draught of commercial freighters varies considerably depending on how much cargo they have aboard. The largest supertankers need up to 20 metres when fully loaded. In contrast, a yacht's draught remains approximately constant. **Multihulls** often have a draught of 1 metre or less. Shallow-draught **monohulls** have draughts from about 1.4 metres. Deeper draught **yachts** (usually with a better sailing performance) have draughts of 2 or even 2.5 metres, whereas modern racing yachts can have draughts of 4 metres and up.

Ebb The flow of a falling tide from high water to low water is called the ebb. The flow of a rising tide is called the **flood**.

Echo Sounder An electronic device for measuring the depth of water. Before electronics, depths were measured with a lead line – a 3 kg lead weight attached to a specially marked line.

Ensign The national flag of the ship, worn at the stern. Many nations (including Malaysia) have two ensigns, one for merchant ships (and **yachts**), and one for naval vessels.

Equator A great circle on the earth's surface equidistant from the north and south poles.

FAD (Fish Aggregation Device) Floating buoys, or in shallow Malaysian waters bamboo stalks jammed into the seabed, intended to attract fish.

Fetch The distance of open water traversed by waves before reaching a given point, such as a ship or a shoreline. The longer the fetch, in general the higher the waves.

Fibreglass Most modern **yachts** are built from Glass Reinforced Plastic, or Fibreglass. Other materials include steel, aluminium, ferro-cement and wood. Wooden yachts constructed using epoxy adhesives are very strong and durable.

Flood The flow of a rising tide from low water to high water or high tide. The flow of a falling tide is called the **ebb**.

Foul A word with many nautical meanings. A foul bottom means that the ship is encumbered with weed and barnacles, which will slow her down and increase fuel consumption if engine driven. A fouled anchor is either caught on some obstruction on the seabed and so cannot be recovered, or is tangled up in its own rope or chain. Foul ground is an area of seabed with many obstructions, whether natural or man-made. A foul hawse is when two anchor chains have crossed over one another. A foul wind is from too much ahead, meaning the ship cannot sail directly towards its destination (unless using an engine). One vessel can foul another if she drags anchor and drifts down upon her. All in all, foul things are best avoided.

Fouling A general term for weed and barnacle growth on a ship.

Gale A wind with a sustained speed of between 34 and 47 **knots**. Winds above 47 knots are said to be storm force. Gale force winds are very rare in Malaysia, except when associated with short-lived but violent **squalls**.

Global Positioning System (GPS) A satellite-based navigation system developed by the United States Department of Defense, which has been made free for use by all. Some 32 satellites are used to provide position fixes of down to a few metres, on inexpensive and reliable receivers. The GPS system has completely revolutionized maritime navigation.

Grib Files A grib file is computer data file containing weather information. Grib is short for Gridded Binary. This raw data is available on the internet, and can be used to forecast wind speeds, wind directions, rainfall and wave heights. But forecasts derived from grib files alone are often a poor substitute for those produced by meteorological agencies.

Hauling Out All ships need to be regularly painted with **antifouling**. Big ships use dry-docks. Smaller ships and **yachts** can be hauled out ashore using cranes and lifts of various types. When ashore, other repairs are often completed, for example to propellers, propeller shafts and through-hull valves (called seacocks). Metal ships may need to replace sacrificial zinc anodes, which in service steadily corrode away and in the process protect the ship's hull from corrosion.

Holding A seabed which allows an **anchor** a firm grip is said to have good holding. See **Anchorage**.

Hull The main body of a ship or **yacht**, including the bottom, sides and upper deck, but excluding the masts, engines, rigging and other fittings.

Isolated Danger Mark A buoy or beacon painted black and red, with two black spherical topmarks. It indicates an isolated danger, with navigable water all around.

Katabatic Winds. Turbulent gusts that blow down steep hillsides and cliffs, often of very high velocity. They can cause problems for boats under sail. Yachts can drag their **anchors** if hit by strong katabatic winds.

Knot A measure of speed at sea, also used by aircraft. It is defined as one **nautical mile** per hour. Note that it is incorrect (and actually meaningless) to refer to 'knots per hour'.

Land Breeze An evening wind, generated when the land cools to below the temperature of the sea. Usually much weaker than the daytime equivalent, a **sea breeze**.

Lateral Marks International Association of Lighthouse Authorities (IALA) System A (which is that applied in Malaysia) uses red, **port-hand buoys** or **beacons** to indicate the port side of a channel, and green, **starboard-hand** marks for the starboard side. (In IALA System B, which is in use throughout

North and South America, Japan and the Philippines, these colours are reversed.) These buoys and beacons are collectively known as lateral marks. See also **Direction of Buoyage**

Latitude A latitude is a distance north or south from the equator. (See Appendix I for a more detailed explanation.)

Leading Marks Two **beacons**, usually painted white, with triangular topmarks. Leading marks are often abbreviated to “leads” – as in “Are the leads lined up?” When the two beacons are approached on the correct **bearing**, the two white triangles appear exactly one above the other, apex to apex. Leading marks are commonly used in Malaysia to indicate the channel into rivers, although in several cases they have gone missing during developments ashore.

Line Squall A **squall** consisting of a narrow band of low pressure, with relatively high pressure following in its wake. It appears as a thick black line of cloud, or a distinct line on **radar**.

Log A device to measure distance sailed at sea, measured in **nautical miles**. Sometimes speed is measured too, in nautical miles per hour (**knots**).

Longitude A longitude is a distance east or west of the so-called Prime Meridian, which passes through Greenwich, London. (See Appendix I for a more detailed explanation.)

Magnetic North The place on the earth’s surface towards which the needle on a magnetic **compass** points. Magnetic north is currently in northern Canada, but changes slowly over time. The horizontal angle between true north and magnetic north at the position of the observer is known as the variation, east or west. The magnetic variation in Malaysia is insignificant.

Millibar A measure of atmospheric pressure, a thousandth of a Bar. One bar is roughly equivalent to an average pressure at sea level. The variations in atmospheric pressure in Malaysian waters are so small that they are largely ignored by sailors and are not a useful feature of weather forecasts.

Monohull A ship with a single hull. Most commercial vessels and the majority of cruising **yachts** are monohulls. Sailing monohulls need heavy (often lead) ballast in their keels to provide stability. See **Multihulls**.

Monsoon The weather in Malaysian waters is dominated by the monsoons. The south-west monsoon begins in May/June and continues to October/November. The north-east monsoon begins in November/December and continues to April/May.

Multihulls. Catamarans, trimarans and proas. Multihulls are lighter and often faster than equivalent sized **monohulls** and need no heavy ballast. Catamarans in particular also offer much more accommodation than a monohull of a similar length. But they are easily overloaded, can be more vulnerable to damage and if capsized they will likely remain upside-down – unlike a monohull **yacht** which should be self-righting. There was a catamaran on the Sail Malaysia Rally, Passage to the East 2010 called *This Way Up*.

Navigation Buoy A floating navigation mark. Often informally called a ‘can’.

Nautical Mile A unit of distance exactly equivalent to one minute of latitude, or 6077 feet. Both the nautical mile and nautical miles per hour (**knots**) will continue to exist within the metric system, at least so long as degrees and minutes of latitude remain in use. A standard ‘statute’ or land mile is 5280 feet. (See Appendix I for a more detailed explanation.)

Neap Tides See Spring Tides

Pilot A qualified coastal navigator taken aboard a ship to conduct her into confined waters like a river or port. Pilots are usually compulsory for commercial vessels, but are rarely legally required for **yachts**. The word ‘pilot’ has also come to mean a published guide for ships and yachts.

Port The left side of a vessel when looking forward from **aft**. The name derives from the old convention that cargo vessels would load from the dock on the port side, leaving the delicate steering oar (steering board, or **starboard**) on the other side safely away from the wall.

Prime Meridian A line of longitude that passes through Greenwich, in England. (See Appendix I for a more detailed explanation.)

Proa From the Malay word ‘prau’. A kind of **multihull**, with one main hull and a single, smaller outrigger to provide stability.

Propeller A device for converting rotary motion provided by an engine to forward thrust in order to propel a ship. **Yacht** propellers usually have two or three blades, and some designs fold to a streamlined shape to minimise drag when sailing. All propellers quickly lose their efficiency when the blades are fouled by barnacles or other marine growth. When very badly fouled, a propeller can overload an engine while providing very little useful thrust.

Radar Named from **RA**dio **D**irection **A**nd **R**anging. Radar sets emit short pulses of microwaves. When not transmitting, the radar antenna picks up reflected echoes that have bounced off objects in the vicinity. The picture shown on the radar screen provides useful information in conditions of poor visibility, but needs practice to interpret accurately.

Refit All ships need constant maintenance. Every year or two, yachts need to be **hauled out** ashore, at least for new **antifouling** paint.

Running Lights Small sailing **yachts** under sail are permitted to show a single navigation light (or “tri-colour”) at the top of the mainmast, which shows red to **port**, green to **starboard** and white **aft**. A yacht under power must show conventional ‘running lights’ at close to deck level, with red and green lights forward and a separate white light aft, plus a ‘steaming’ light on the forward side of the mainmast. It is not correct (or legal) to show a tri-colour and a steaming light, or to replace running lights with flashers.

Safe Water Mark A buoy with white and red stripes that indicates that there is navigable water all around it, which can be used as a landfall.

Scope The length of chain and/or rope run out when a ship lies to a single **anchor**. The usual minimum is three times the depth of water, but where space permits it’s common to use much more. The greater the scope, the greater the likely holding power of the anchor, but the greater the swinging room needed as the ship lies to wind or tide.

Sea Breeze A daytime wind, usually gaining strength in the afternoon. Sea breezes are generated when land heats up, air rises and cooler air from over the sea flows in to replace it. Sea breezes are usually much stronger than their night-time equivalent, **land breezes**.

Slack Water Slack water is usually around high or low tide, when the tidal currents cease before flowing the other way. In some places, however, slack water may be hours different from the calculated times of high and low water.

Soldier's Wind A wind of strength and direction so favourable that even a soldier could sail the ship.

Special Mark A yellow buoy with an 'X' topmark. They can be used to indicate prohibited areas (like Changi Naval Base in Singapore), permitted anchorage areas, spoil grounds or any area of interest.

Spring Tides These rise highest and fall lowest from the mean tide level. They occur when the gravitational pull of the sun and moon act in conjunction. When the sun and moon act in opposition, the smaller tides that result are called **neaps**. There are two peak spring tides and two minimum neap tides every lunar month.

Squall A sometimes violent blast of wind and usually rain that occurs suddenly and rarely lasts for more than an hour. Often there is lightning and thunder. On sailing vessels it's important to try and shorten sail before a squall hits. In squally weather, commercial ships often greatly reduce their speed to just a few **knots** because of the risk of collision in poor visibility.

Starboard The right side of a ship when looking forward from aft. The name is thought to have derived from the "steering board", or steering oar which was used until the development of rudders in the 13th Century. The other side of a ship is the **port** side.

Stern The back end of a ship.

Sumatra A violent squall in the Straits of Malacca.

Trade Winds The sun heats the earth most strongly at the **equator**. There hot air rises, to be replaced with cooler air from the north and south, creating winds. The rotation of the earth diverts these winds to the west, so that trade-winds north of the equator blow from the north east, and south of the equator from the south east. These usually reliable trade winds, (often abbreviated to 'trades') are so called because they were exploited by commercial sailing ships needing to carry cargo across oceans. In some areas the trades blow from about 30 degrees north and south to a few degrees from the equator, where they are disrupted by a belt of thunderstorms and squalls known as the Inter-Tropical Convergence Zone. In Malaysia the trades are also disrupted by the seasonal monsoons.

Trimaran A **multihull** vessel with a central hull and two floats.

Typhoon A tropical or sub-tropical revolving storm, also known as a cyclone or a hurricane. Typhoons regularly occur in the Philippines and less commonly in the Bay of Bengal, but are almost unknown in Malaysian waters.

VHF Radio Short for Very High Frequency, Marine VHF radios are 'line-of-sight' and therefore short range. Between **yachts** the maximum range is about 25 miles, rising to perhaps 60 miles between yachts and aircraft. There are 55 channels, although in some countries some of these channels are reserved for official purposes. Channel 16 is for calling and distress only. In other words, unless a vessel is in distress, it should only use Channel 16 to call another vessel, and then when contact is made immediately to change to a different channel. Channel 70 is reserved for Digital Selective Calling.

Watch All ships underway are required to have at least one member of the crew on watch. For **yachts** offshore on ocean passages it is usually sufficient for the watchkeeper to complete a careful search of a usually empty horizon every 10 minutes or so. But in Malaysian waters a constant watch is essential.

Yacht The word derives from the Dutch word "jacht", and refers to a private vessel not carrying cargo or plying for hire. Like the word **dinghy**, it is frequently mis-spelled.

**APPENDIX III: A SUGGESTED READING LIST FOR BOOKS ON MALAYSIA AND
NEIGHBOURING COUNTRIES**

Tales from the South China Seas (1983). Charles Allen

Sinister Twilight (1968) Noel Barber. [The Fall of Singapore 1942]

The War of the Running Dogs. (1971) Noel Barber [The ‘Emergency’ in Malaya]

Confrontation. The War with Indonesia (2007) Nick van der Bijl [Indonesia’s attempted invasion of Malaysian Borneo, 1962-1966]

The Golden Chersonese and the Way Thither. (1883) Isabella Bird [Travels in the Malacca Straits]

The Malayan Trilogy. (1972) Anthony Burgess

At the Court of Pelesu and other Malayan Stories. (1966) Hugh Clifford

Almayer’s Folly. (1895) Joseph Conrad

Outcast of the Islands. (1896) Joseph Conrad

Tales of Unrest. (1898) Joseph Conrad

Lord Jim. (1900) Joseph Conrad

Twixt Land and Sea. (1912) Joseph Conrad

Victory. (1915) Joseph Conrad

The Rescue. (1920) Joseph Conrad

Sylvia, Queen of the Headhunters (2007) Philip Eade [Sylvia was the wife of the White Rajah in Sarawak. Sadly Out of Print,]

Inspector Singh Investigates: A Most Peculiar Malaysian Murder (2008) Shamani Flint [Detective Fiction, Malaysian author].

Inspector Singh Investigates: The Singapore School of Villainy (2010) Shamani Flint [Detective Fiction, Malaysian author].

Flashman’s Lady. (1977) George McDonald Fraser (Historical Fiction. Derring do in Singapore and Borneo)

Shadow Play (2012) Barbara Ismail [Detective Fiction based in Kelantan, Malaysia]

Princess Play (2013) Barbara Ismail [Detective Fiction based in Kelantan, Malaysia]

An End to a War. A Japanese Soldier’s Experience of the 1945 Death Marches of North Borneo (2012) Ueno Itsuyoshi

Into the Heart of Borneo. (1984) Redmond O'Hanlon [A Journey up the Rajang River]

History of Malaya (1993) J Kennedy [Malaysian Heritage Series]

The Kampong Boy (1979) Lat [A Malaysian cartoonist, who has published over 30 books of cartoons. *The Kampong Boy* is his first, based on his life as a child in a village near Ipoh]

The Land Below the Wind (1939) Agnes Newton Keith [Pre-War Life in North Borneo]

Three Came Home (1946) Agnes Newton Keith [As Prisoners of the Japanese in Borneo]

White Man Returns (1951) Agnes Newton Keith [Post-War Life in North Borneo]

Streets of George Town, Penang (1993) Khoo Su Nin [A guide to the heritage buildings of George Town].

The Battle of Penang (2012) J.R. Robertson [The Sinking of Russian Cruiser *Zhemchug* by the German raider *Emden* in 1914]

Our Man in Malaya (2007) Margaret Shennan [The 'Emergency' in Malaya]

The Gift of Rain (2007) Tan Twan Eng [Novel, Malaysian author, Booker Prize Longlisted]

The Garden of Evening Mists (2012) Tan Twan Eng [Novel. Malaysian author]

The Harmony Silk Factory (2005) Tash Aw [Novel. Malaysian author]

Map of the Invisible World (2009) Tash Aw [Novel. Malaysian author]

Five Star Billionaire (2013) Tash Aw [Novel. Malaysian author. Booker Prize Shortlisted].

Saint Jack (1973) Paul Theroux [Novel: a rogue in Singapore].

The Malay Archipelago (1869) Alfred Russel Wallace [A Contemporary of Darwin, a naturalist who independently arrived at the Theory of Evolution]

In Search of Conrad (1991) Gavin Young [Sailing in the Malay Archipelago]

APPENDIX IV: LEAVING AN UNATTENDED YACHT IN MALAYSIA

Once cleared into Malaysia, yachts can be left in Malaysia indefinitely without the payment of duties or taxes. A 'frequently asked question' is where to leave a yacht when the crew wishes to return home or to continue their travels by land. The following suggestions are cross-referenced to additional data in the main text.

Leaving a yacht in a Singapore marina is possible, but very expensive by Malaysian standards: see page 32. The anchorage off the Royal Brunei Yacht Club at Serasa in Brunei Darussalam has very good holding and some yachts have been moored there for years. In 2010 one rally yacht was anchored off the RBYC for several weeks while the crew returned home. See page 64.

There are certainly other possibilities not mentioned in the list below. Further suggestions, updates and corrections are always welcome. Please send your contributions to sailmalaysiaife@gmail.com

1. WEST COAST PENINSULA MALAYSIA

1.1 Pulau Langkawi

- Royal Langkawi Yacht Club Marina. Not as well sheltered as the marinas at Rebak and Telaga, but with good security. Recommended. Page 14.
- Rebak Marina and attached boatyard. Very well sheltered, with good security and a very popular place to leave a yacht afloat or ashore. Highly Recommended. Page 14.
- B & V Marine. Boatyard. Limited to 12 tonnes, unless a bigger crane is brought in from the mainland. Page 14.
- Telaga Harbour Marina. Very well sheltered, good security and a very popular place to leave a yacht long term. Highly Recommended. Page 15.

In addition there are moorings available in Bass Harbour, off Kuah (Page 13). Some yachts have been anchored for years in Bass Harbour.

1.2 Pulau Penang (Pinang)

- Straits Quay Marina. Very well sheltered with good security, and recommended. But the marina management wants to keep at least some berths available for short-term visitors, and may be reluctant to accept a long-term booking. Page 17.
- Limbongan Batu Maung boatyard. Space is very limited. The management may be reluctant to accept a long-term booking. Page 19.

1.3 Pangkor/Lumut

- Pangkor Island Marina and attached boatyard. Very well sheltered with good security. Highly recommended. There is a large hard-stand area that was extended in 2016. Special discounts for long-stays may be available for past and present Sail Malaysia Rally participants. Page 20.

1.4 Port Dickson

- Admiral Marina Highly recommended. Very well sheltered with good security. Page 24

1.5 Nusijaya (West of Singapore)

- Puteri Harbour. Highly recommended. Very well sheltered with good security. Page 27.

1.6 Johor Bahru (North of Singapore)

- Danga Bay Marina. Closed in 2014. Supposedly reopening but moribund in 2018. Page 27.
- Country Garden Marina. Moderately well sheltered. Good security. Page 28
- Senibong Cove Marina. Very well sheltered with good security. Highly recommended. Page 34.

2. EAST COAST PENINSULA MALAYSIA

2.1 Johor (East of Singapore)

- Sebana Cove Marina. Very well sheltered with good security. Brackish water inhibits fouling. Highly recommended. Page 33.

2.2 Pulau Tioman

- Tioman Marina. Well sheltered with good security. Power and water may be unreliable. Recommended. Page 38.

2.3 Kuala Terengganu

- Recommended, although wet season floods (especially in November–February) can cause problems. Fresh water, zero fouling. Page 43.

3. MALAYSIAN BORNEO

3.1 Kuching

- Kuching Marina. Recommended, although debris in the river (especially during wet season floods) can be problematic. Page 64.

3.2 Miri

- Miri Marina. Highly recommended. Excellent shelter and security. Page 68.

3.3 Labuan

- Labuan Marina. Has a history of disintegrating but the berths behind the seawall are adequate. . Page 75.

3.4 Kota Kinabalu

- Sutera Harbour. Highly recommended. Excellent shelter and security, but expensive. A holding tank is compulsory. Page 79

3.5 Kudat

- Marina Jetty Kudat. Recommended. Space is limited but security is good and the marina is well sheltered. Page 82. In 2014 a yacht unable to find accommodation in the marina was left unattended at anchor in the ‘Duck Pond’, with stern lines taken ashore.

APPENDIX V: BOATYARDS IN MALAYSIA

1. WEST COAST PENINSULA MALAYSIA

1.1 Pulau Langkawi

- Northern Shipyard. Newly opened. Page 14.
- Rebak Marina Travel-lift, 65 tonnes, 7 metres wide. No welding or metal grinding permitted. Highly recommended. Page 14.
- B & V Marine. Limited to yachts of up to 12 tonnes, unless a bigger crane is brought in from the mainland. Page 14.

1.2 Pulau Penang (Pinang)

- Limbongan Batu Maung Travel-lift, 70 tonnes. Two railway slipways suitable for multihulls. Propeller shop. Page 19

1.3 Pangkor/Lumut

- Pangkor Island Marina. A ‘Sealift’ suitable for monohulls and catamarans to 20 metres/45 tonnes. Highly recommended. Page 20

1.4 Johor Bahru (North of Singapore)

- Dalac Marine Engineering & Services. Travel-lift. Page 34

2. EAST COAST PENINSULA MALAYSIA

2.1 Endau (West of Tioman on Mainland)

- Prospect Dockyard. Railway system, up to 250 tonnes. Propeller shop. Recommended, especially for metal yachts. Page 40.

3. MALAYSIAN BORNEO

3.1 Kuala Penyu (About 30 Miles North-East of Labuan)

- Excel Corporation. Travel lift. Page 78.

APPENDIX VI: MALAY LANGUAGE (BAHASA MALAYSIA) WORDS USED IN THE CRUISING GUIDE

| | |
|------------------|---|
| Bandar | Town |
| Besar | Big (as in “Pulau Telang Besar”: Big Telang Island) |
| Jabatan Laut | Marine Department/Harbour Master (literally “Sea Department”) |
| Jalan | Road |
| Kampung | Village |
| Kampung Air | Water Village (built on stilts over a river or estuary). |
| Kecil | Small (as in “Pulau Telang Kecil”: Small Telang Island) |
| Kuala | A confluence of two rivers |
| Maritim Malaysia | Malaysian Coast Guard |
| Polis Marin | Maritime Police |
| Pulau | Island |
| Selat | A Strait or Sound |
| Sungai | River |
| Tanjung | Cape or Headland |
| Teluk | Bay |

APPENDIX VII THE WEST COAST OF SULAWESI

Most of the following data was submitted in 2018 from yachts heading south from Tolitoli. There are some additional details from 2010 and 2014.

Tolitoli

Toli Toli is highly recommended, with a good if rapidly shoaling anchorage from 10-20 metres on mud around 01°02'.42N 120°48'.40E In 2018 the dinghy dock near the DJ Bar and Restaurant was under repair, and access ashore was via the multicoloured Rainbow Dock to the west. A swimming area for locals, the Rainbow Dock becomes difficult with any significant swell. A stern anchor is essential. Excellent diving and snorkelling is available from nearby beaches.

Pulau Kapetan

Anchor around 01°02'.6N 120°40.0'E, 3 metres on sand between reefs. Good snorkelling. Quiet.

Pulau Tampalekang

A sheltered anchorage about 30 miles from Tolitoli in 8 metres on sand at 00°58'.78N 120°21'.47E Very good snorkelling, sometimes with a strong offshore current.

Ganjola/Kanak Kanak

A fully protected anchorage at 00°49.79N 120°21'.56E Mud, in 20 metres, although the bay is 25+ metres in the centre. There are shallower areas in the southwest corner off the mangroves and a small river. Nearby Cape Sangjangan can be reached on foot via the pier on the west side of the bay. The trail (that is sometimes hard to follow) leads past a red shrimp lake, two caves and a deep pool suitable for swimming. There is good snorkelling on the reef between the pier and the anchorage.

Labuan/Pulau Taring

A well sheltered anchorage around 00°44'.62N 120°06'.72E with good holding on sand off a river mouth. In 2018 a new mosque was under construction. An alternative anchorage nearby at 00°44'.53N 120°05'.55E has good holding on sand in 5 metres, that rapidly shelves to 30 metres + There are scattered moorings nearby. Good snorkelling on Pulau Taring. There is a small village nearby.

Near Tanjong Biru

Nine metres on mud, well sheltered and exactly on the equator: 00°00'.00 119°39'.87E There may be navigable inlets nearby.

Popodi

Another anchorage on the equator at 00° 00.94S 119° 39.82E Depths shoal rapid to 3-4 metres, with scattered coral outcrops. Satellite photos suggest it may be possible to venture further inshore, with good light.

Donggala

Several yachts arriving in September 2018 were delayed for three days by unnecessary paperwork. One yacht was instructed to tie to a mooring at 00°38'.72S 119°44'.48E, another to pick up a mooring near the nearby Prince John Dive Resort. Anchoring is discouraged as the reef is frequently dived on by resort guests. In 2010 a yacht anchored off the resort and fouled its anchor on coral. A shallower area with 10-15 metres about 400 metres to the north is more suitable for anchoring. Expensive meals are available at the resort, or cheaper local restaurants can be found in town.

A week after the 2018 rally fleet had left, the town was destroyed by an earthquake. This earthquake generated a tsunami that travelled southeast to the much bigger town of Palu and caused much loss of life.

Pasangkayu

A quiet anchorage, off a river mouth. Good holding, 10 metres on mud/sand, gently shelving, around 01°09'.38S 119°22'.29E A shore landing to the west of the main plaza. Restaurants and ice cream.

Batugeh.

A recommended anchorage at 01°18'.77S 119°18'.71E No facilities on shore.

Korosa

What seemed a promising overnight anchorage off a substantial river around 01°49'.05S 119°20'.16E was found to be too deep to anchor.

Gambunah

Recommended. A quiet, sheltered anchorage, 4 metres on sand, around 01°57.35S 119°17'.91E There is a golden sandy beach. The nearby river might be navigable by yacht, at least for a short distance. Dinghies can get at least a mile upriver.

Mamuju

Five metres on mud at 02°40'.20S 118°53'.21E It is very deep; until close to shore. A dugong was seen in the anchorage. An alternative anchorage at 02°38'.05S 118°49'.93E was found to be a bit close to the ferry route. . Dinghies can be left on the plaza, with a stern anchor, or near the wet market 800 metres to the north east. The town hosts the start of the Sandeq race to Makassar in August each year. There is a hypermarket and a cinema.

Labuang

An anchorage off a beach and beautiful village around 03°09'.34S 118°48'.78E The Sandeq race calls in to this town.

Salipolo

Anchor in 8 metres between two bamboo fishing platforms around 03°46'.90S 119°27'.84E

Pare Pare

A major port. Noisy and with many mosquitos. Anchor in 10 metres off the quay around 04°00'.53S 119°37'.20E There is a recommended night market.

Bankobankoang Island

The channel between Pare Pare and Makassar is reported accurately depicted on C Map charts. The channel zig-zags between reefs. The anchorage at Bankobankoang Island at 04°46'.86S 119°26'.15E is between two islets, 8 metres on mud.

Makassar (Ujung Pandang)

A huge city, but strangely not a port of entry for yachts. Anchor off the hotel Gapura hotel, around 05°08'.21S 119°24'.15E The water is sometimes very polluted. Water taxis may be available. In 2014 an adequate dinghy landing was found at 05°07'.99S 119°24'.24E

Samalona Island

A recommended anchorage around 05°07'.72S 119°20'.50 About four miles west of the anchorage off Makassar.