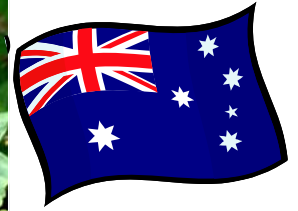




\$2.00

The Atoll

Thurs 3rd Mar 2016 - Wed 16th Mar 2016



Cocos (Keeling) Islands

The Cocos (Keeling) Islands comprises of 27 coral islands forming two atolls, situated 2768km NW of Perth and 3685km due West of Darwin, is an isolated speck in the Indian Ocean.

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Quarter Page <i>Suku Kertas</i>	\$10.00
Half Page <i>Setengah Kertas</i>	\$25.00
Full Page <i>Penuh Kertas</i>	\$50.00

You can subscribe to The Atoll electronically by contacting:
cocosislands@crc.net.au

Cocos Snapshots

Gambaran Cocos



Photos courtesy of Rik & Jo Soderlund



Administration Building (PO Box 1039)
Cocos Keeling Islands WA 6799
P: 08 9162 7707 F: 08 9162 7708
E: cocosislands@crc.net.au
W: www.cocos@crc.net.au
Like us on Facebook
Follow us on Twitter

Rainfall Stats

February Statistics
(latest up to 29 Feb):
337.60 mm

Latest 2016 Statistics:
(latest up to 2 Mar)
538.40mm



2014: 2081.80mm

LATEST WEATHER

<http://www.bom.gov.au/climate/dwo/IDCJDW6027.latest.shtml>

Emergency Contact List

AFP	91626600
VHF	Ch20
IOTHS WI Clinic	91626655
IOTHS HI Clinic	91627609
	VHF Ch24
DFES HI	91627788
DFES WI	91627777
VMRS	0406329056
	VHF Ch20
Shire HI	91626649
Shire WI	91626740
Watercorp	91626722

WEST ISLAND MARKET DAY

Saturday 19th March 2016
10.00am - 1.00pm
CRC Verandah - West Island

To book your FREE table
please contact us on
P: 9162 7707 or
E: cocosislands@crc.net.au
W: www.cocos.crc.net.au

Thumbs Up

👍 To a great community effort on Pink Stumps Day! Well done Cocos!



Proudly supported by



Government of **Western Australia**
Department of **Regional Development**

Feel free to email your thumbs up to:

communications@cocos.wa.gov.au

Quote of the Day

Take care of the earth and she will take care of you. ~ Author Unknown

Thought for the Day

If life becomes hard, soften it with random acts of kindness. ~ Michael Levy

Jokes of the Week

My body, it hurts!

A woman runs into a doctor's office and says "DOCTOR! DOCTOR! You have to help me! Everywhere I touch on my body it hurts!"

The doctor replied, "Show me."

So the woman poked her ankle and screamed of pain. Then she poked her knee and yelled OW. She poked her forehead and screamed again.

She was about to continue when the doctor said, "That's enough, let me think this over." He thought for about a minute and said "I think I know what your problem is. You broke your finger."

Alphabet animals

The class teacher asks students to name an animal that begins with an E

One boy says: "Elephant."

Then the teacher asks for an animal that begins with a T. The same boy says: "Two elephants."

The teacher sends the boy out of the class for bad behaviour. After that she asks for an animal beginning with M.

The boy shouts from the other side of the door: "Maybe an elephant!"

Q&A's

Teacher: Who is the father of the nation?

Student: I don't know.

Teacher: What does hen lay?

Student: I don't know.

Teacher: What is the average speed of cars?

Student: I don't know.

Teacher: Ask your parents for help and tell me tomorrow.

Next day, the student met the teacher and answered: Mahatma Gandhi lays eggs at the average speed of 45km/hour.

Cocos (Keeling) Islands News (cont'd)

Berita Pulu Cocos (Keeling) (seterusnya)

Expression of Interest - Community Resource Centre Cafe/Kitchen

The Shire of Cocos (Keeling) Islands are seeking expressions of interest for the operation of a community café from the Home Island Community Resource Centre Café/Kitchen.

The Café/Kitchen would be available for use one day per week allowing up to seven different entities to operate from the premise. The premise would be available at nil cost to the applicant but must be open for lunch on their designated day.

Submissions by interested parties are to be received by 12pm Friday 1st of April 2016. Included in the submission should be the preferred day of operation, outline of proposed trading hours on that day & the proposed cuisine/menu you intend to offer.

Submissions are to be marked confidential to:

Chief Executive Officer
Shire of Cocos (Keeling) Islands
PO Box 1094
COCOS (KEELING) ISLANDS WA 6799

Further information can be obtained by contacting Joanne Soderlund during office hours on 9162 6649.

Tunjuk Kemincatan - Kafe/Dapor Community Resource Centre

Shire of Cocos (Keeling) Islands menjemput tunjuk kemincatan untuk menjalankan kafe masyarakat dengan menggunakan Kafe/Dapor Home Island Community Resource Centre.

Kafe/Dapor akan disediakan untuk digunakan sehari seminggu yang akan mengizinkan hingga tuju orang lain untuk menggunakan tempat ini. Tempat ini adakan disediakan tanpa bayaran sewa kepada orang yang pakai tetapi mesti dibuka untuk makan tengah hari pada hari yang ditentukan untuk mereka.

Surat kemincatan daripada pihak-pihak yang berminat dimintak dimasukkan sebelum jam 12 tengah hari Jumaat 1 hb April 2016. Surat harus mengandungi hari yang ingin dibuka, penjelasan masa ingin dibuka pada hari itu dan makanan-makanan apa yang diniatkan untuk disediakan.

Surat mesti ditandakan "confidential" dan dihantar kepada alamat tersebut diatas.

Keterangan selanjutnya boleh didapati dengan menghubungi Joanne Soderlund dimasa opis terbuka di 9162 6649.

Expression of Interest - Light Industrial Shed

Expressions of interest are being called for the future lease of the new Light Industrial Sheds which are currently under construction on Home Island as the project nears completion.

Submissions by interested parties are to be received by 12pm Friday 1st of April 2016. Included in the submission should be the proposed term & proposed use of the property.

Submissions are to be marked confidential to:

Chief Executive Officer
Shire of Cocos (Keeling) Islands
PO Box 1094
COCOS (KEELING) ISLANDS WA 6799

Further information can be obtained by contacting Joanne Soderlund during office hours on 9162 6649.

Tunjuk Kemincatan - Bangunan Light Industrial

Tunjuk Kemincatan dijemput untuk penggunaan secara sewa Bangunan Light Industrial dimasa hadapan., yang pada masa ini sedang disediakan di Home Island dan akan selesai tidak lama lagi.

Surat daripada pihak-pihak yang berminat dimintak diterima sebelum jam 12 tengah hari Jumaat 1hb April 2016. Isi kandungan surat mesti menyatakan berapa lama ingin digunakan & tujuan penggunaan tempat ini.

Surat harus dihantar kepada orang dan alamat yang tersebut diatas dengan ditandakan "confidential".

Keterangan selanjutnya boleh didapati dengan menghubungi Joanne Soderlund dimasa opis terbuka di 9162 6649.



Community Funding Program Equipment/Capital

The Shire of Cocos (Keeling) Islands is calling on interested applicants for our "Community Funding Program 2016/2017". Funding is available only to non-profit entities and/or community groups located within the Shire of Cocos (Keeling) Islands for activities which will provide benefits directly / in-directly to this community.

A maximum of \$2,000 per applicant is available. In exceptional circumstances a grant higher than \$2,000 may be awarded. Funding for projects will be awarded to cover a 12 month period from 1 July 2016 to 30 June 2017 for projects beginning on or after 30 June 2016. Any organisation is not eligible to apply if it has an outstanding acquittal from a previous community funding program.

Application process is now open to be submitted before 12 noon on Friday 15th of April 2016. Applications will then be assessed at the April Council meeting and successful or non successful applicants will be notified by writing.

Applications will only be accepted on standard application forms which can be obtained from our Shire Offices. For further information or if you require clarification please feel free to contact Luluk Sloan (Mak Zamani) our Community Projects Officer by telephone on 9162 6649 or alternatively via email: cpso@cocos.wa.gov.au.

Program Duit Bantuan Masyarakat Pekakas/Harta

Shire of Cocos (Keeling) Islands memanggil pihak-pihak yang berminat untuk "Program Duit Bantuan Masyarakat 2016/2017". Duit bantuan disediakan untuk pihak-pihak 'non-profit' dan/atau kumpulan masyarakat yang berada di Shire of Cocos (Keeling) Islands untuk aktiviti yang akan memberi manfaat langsung / secara tidak langsung untuk masyarakat ini.

Sebanyak \$2,000 setiap permohonan pihak disediakan. Ada keadaan yang boleh dikecualikan untuk memberikan lebih dari \$2,000. Duit bantuan untuk projek-projek akan diberikan untuk meliputi jangkah masa 12 bulan dari 1 July 2016 hingga 30 June 2017 untuk projek-projek yang bermula pada masa 30 June 2016 atau selepasnya. Pihak-pihak persatuan yang tidak layak untuk memohon ada yang masih ada 'acquittal' yang belum diselesaikan daripada program duit bantuan masyarakat kemarin tahun.

Proses permohonan sekarang dibuka untuk dimasukkan sebelum jam 12 tengah hari pada hari Jumaat 15hb April 2016. Pemohonan akan dinilai dimitingan Council bulan April dan pihak yang berhasil akan diberitahu secara tertulis.

Pemohonan hanya akan diterima di form permohonan yang boleh didapati dari Opis-opis Shire. Untuk keterangan selanjutnya silahkan hubungi Luluk Sloan (Mak Zamani), Community Projects Officer kami dengan talipun 9162 6649 atau secara email: cpso@cocos.wa.gov.au.

Notice of Intention to Levy Specified Area Rates – Home Island

Comments are sought on the Shire's intention to apply a specified area rate to all properties on Home Island that adjoin a laneway for the purpose of contributing towards the costs of fencing rear property boundaries. A specified area rate over a three years period at a maximum cost of \$450 per year per ratable property will be applied. Pensioners may be eligible for a discount of up to 50%.

As part of the shire's back laneway paving project it is the Shire's intention to remove old, non-compliant and unsafe fencing and replace these with a uniform fence whilst paving the laneways. An example of the type of fencing to be used is available for viewing near the Home Island Shire office.

For further information on the proposed specified area rate please contact the Deputy Chief Executive Officer Joanne Soderlund (Mak Kimberley) on 08 9162 6649, dceo@cocos.wa.gov.au or at the Home Island Shire Office.

Comments are to be submitted to the shire by 12 noon Friday 1st April 2016.

Notis Keniatan untuk Memungut Bayaran Kawasan Tertentu – Home Island

Pandangan dimintak terhadap keniatan Shire untuk mengadakan pungutan bayaran kawasan tertentu terhadap semua rumah di Home Island yang mempunyai belakang kebon dengan tujuan untuk mengongkoskan pagar untuk boundary dibelakang kebon. Bayaran untuk kawasan tertentu dalam masa jangkaan tiga tahun dengan ongkos maksimum \$450 setahun untuk setiap rumah yang di sewa dan di lease. Orang-orang pension mungkin layak untuk diskaun hingga 50%.

Sebahagian projek paving jalan belakang kebon adalah tujuan Shire untuk mengangkat pagar-pagar yang sudah lama, tak memenuhi syarat dan tidak selamat, dan menggantikan dengan pagar yang sama dimasa sedang menjalankan paving belakang kebon. Contoh jenis pagar yang akan digunakan telah disediakan untuk dilihat disebelah Opis Shire Home Island.

Untuk keterangan selanjutnya dalam cadangan untuk memungut bayaran untuk kawasan tertentu, silah hubungi Deputy Chief Executive Officer Joanne Soderlund (Mak Kimberley) dinomor 08 9162 6649, dceo@cocos.wa.gov.au atau di Opis Shire Home Island.

Komen atau pandangan mesti dimasukkan kepada shire sebelum 12 tengah hari pada hari Jumaat 1hb April 2016.



Patricks, Rick & Jo Soderlund, Shane Charlston, Mak Denz, Mak Iz, Mak Zamani, our cricketers, Brad Waugh, Cocos Islands Cooperative, Water Corporation and every single person that donated, purchased raffle tickets or took part in our silent bid.

Our current fundraising total sits at **\$7,974.36.**

This makes Cocos Islands the third highest fundraiser in Australia!

It's not too late to donate securely online - please head to www.pinkstumpsday2016.gofundraise.com.au/page/cocosislands



THANKS TO OUR GENEROUS SPONSORS FOR THEIR DONATIONS

Australia Post - Christmas Island

Cocos Club

Water Corporation

Home Island Seniors

Mike Keogh

CKI Ports

Alanna-Jayne Moore

Ashleigh Saltmarsh

Cocos Islands Visitor Centre

Karen Willshaw

Avril Whyte

Pam Jones

Indian Ocean Territories Telecom Pty Ltd

Island Petroleum Services

The Big Barge Art Centre

Indian Ocean Territories Health Service

Cocos Village Bungalows

Cocos Dive

Kafe Kita

Maxi's by the Sea

Australian Federal Police

Saltmarsh Family

Jason Family

Cocos (K) Islands Community Resource Centre

Cocos Islands Cooperative Society

Wild Papaya—Christmas Island



MARINE VESSEL SAFETY CHECKS

Please be advised that over coming months AFP Members will be involved in a program examining local non-surveyed marine vessels. Vessels will be checked for proper registration and compliance with safety regulations. If advice or assistance is required in regard to what is required on your vessel, information is available at the AFP offices on West Island and Home Island.

All vessels must carry:

- A bilge pump / bailer;
- A fire extinguisher.

All vessels operating from 0-2 nautical miles from the shore (including in the Cocos lagoon) must carry:

- An anchor and line;
- Lifejackets for every person on board;
- Red and orange flares.

All vessels operating from 2-5 nautical miles from shore must carry:

- An EPIRB.

All vessels operating over 5 nautical miles from shore must carry:

- Parachute flares
- A marine radio

The skipper of all vessels powered by a motor greater than 6 hp (4.5kwp) must hold (at least) a Recreational Skipper's Ticket.

All vessels operating between sunset and sunrise must carry and exhibit the correct navigation lights.

PEMERIKSAAN KESELAMATAN SEKOCI

Harap diperhatikan bahwa selama bulan-bulan yang akan datang Polis Pulu Cocos akan terlibat dalam program memeriksa sekoci yang tak di survey. Sekoci-sekoci akan diperiksa untuk pendaftaran yang tepat dan sesuai dengan peraturan keselamatan. Kalok nasihat atau bantuan diperlukan berkenaan sekoci kamu, keterangan disediakan di Opis Polis, Pulu Panjang dan di Home Island.

Semua sekoci harus membawa :

- *Sebuah pompa / cobek atau ember;*
- *Sebuah pembunuh api*

Semua sekoci yang keluar 0-2 nautical mile dari darat (termasuk di dalam lagoon Cocos) harus membawa :

- *Jangkar dan tali;*
- *Lifejackets untuk setiap orang disekoci;*
- *Flare caya merah dan orin.*

Semua sekoci yang keluar 2-5 nautical mile dari darat harus membawa :

- *Sebuah EPIRB .*

Semua sekoci yang keluar lebih dari 5 nautical mile dari darat harus membawa :

- *Flare Parachute*
- *Sebuah radio yang boleh di gunakan di laut*

Pembawak semua sekoci yang gunakan mesin yang lebih besar dari 6 hp (4.5kwp) harus memegang (setidaknya) sebuah lesen (Recreation Skipper's Ticket).

Semua sekoci yang keluar diantara masa matahari turun dan matahari naik harus membawa dan menunjukkan lampu navigasi yang benar .



EXPRESSIONS OF INTEREST Off-shore Flare Kits

The Cocos Islands Community Resource Centre will once again investigate the possibility of purchasing bulk flare kits for the Cocos Islands Community. We successfully purchased 35 flare kits for residents in late September 2014 for \$145 per kit.

Off-shore flare kits are a legal requirement when taking your boat out on the water.

As flares are now classified as a Class 1 explosive, it results in additional freight charges to send to Cocos Keeling Islands.

To obtain a semi-accurate cost to supply these flare kits to the community, we require your expression of interest in purchasing a kit/s.

Please email or phone our office no later than **Friday 11th March 2016**. We will then investigate further to provide a cost.

If you require further information, please contact:

CRC Coordinator on 9162 7707 or email cocosislands@crc.net.au
AFP on 9162 6600
VMRS on 9395 9776

TUNJUK KEMINATAN **Flare Kit Untuk Lautan**

Cocos Islands Community Resource Centre sekali lagi akan usahakan kemungkinan untuk membeli flare kits untuk Masyarakat Pulu Cocos. Kami berhadil untuk membeli 35 flare kit untuk penduduk-penduduk dipengakhir September 2014 untuk \$145 setiap kit.

Flare kit untuk Lautan adalah keperluan undang-undang bila membawa sekoci kamu keluar dilautan.

Olehkerana flare sekarang digelar sebagai "Class 1 explosive", ini bermaksud ada tambahan bayaran freight untuk mengantarnya ke Pulu Cocos Keeling.

Untuk mendapatkan ongkos kasar untuk mengadakan flare kit kepada masyarakat, kami perlukan untuk kamu menyatakan keminatan kamu untuk membeli kit tersebut.

*Silahkan email atau talipun opis kami sebelum **Jumaat 11hb March 2016**. Kami akan seterusnya siasatkan ongkosnya.*

Kalau kamu memerlukan keterangan selanjutnya, silahkan hubungi:

CRC Coordinator dinomor 9162 7707 atau email cocosislands@crc.net.au
AFP dinomor 9162 6600
VMRS dinomor 9395 9776



Did You Know???

Grapefruit, watermelon, berries, celery, greek yoghurt, eggs, fish, coffee, and oatmeal are all fat-burning foods!



Administration Building (PO Box 1039) Cocos Keeling Islands WA 6799
P: 08 9162 7707 F: 08 9162 7708 E: cocosislands@crc.net.au W: www.cocos@crc.net.au

Cocos Malay Words

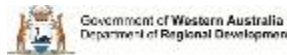
- Sailfish - *Ikan Layar*
- Marlin - *Marlin*
- Swordfish - *Ikan Pedang*
- Yellowfin Tuna - *Tuna*
- Dogtooth Tuna - *Kandang Duek*
- Wahoo - *Tengiri*
- Barracuda - *Todak*
- Trevally - *Sambar*
- Grouper - *Gelek*
- Red Bass - *Bambangan*

ARE YOU INTERESTED IN BECOMING A COMMITTEE MEMBER?

The Cocos Keeling Islands Community Resource Centre is looking for volunteers to join our Committee. We meet quarterly, and our Coordinator emails reports direct to the Committee on a monthly basis.

Please contact the Cocos Islands CRC Chairperson, Amber Watters for further information.

Proudly supported by



News from Geof's Bird's Nest

This is a Grey-Headed Lapwing and was seen in the West Island goat paddock for three days. Another was seen in NSW in 2006. These birds normally live in the rice paddies of Japan and East China and then spend their winter in India or Cambodia.



And a Robber Crab joining in a picnic on Horsbough Island, only the third I have seen in 27 years.



Bags available at the CRC.

**Are you ready to be part of
Clean Up Australia Day 2016?**

*Get a group together
and organise a clean up.*



Government of Western Australia
Department of Environment Regulation



Do you have a litter problem at your sports ground?

Keeping your club litter-free is everyone's responsibility.

Register for the Clean Clubs program and create a clean and safe club and sport environment.

Demonstrate leadership and encourage responsible behaviours amongst your players and spectators.

We can help you with free resources

- Pop-up rubbish and recycling bins
- Keep Australia Beautiful orange litter bags
- Educational Clean Clubs posters and stickers

Email: cleanclubs@kabc.wa.gov.au

Web: www.kabc.wa.gov.au



Green Living Tips

Keeping Cool Indoors

Here's some other tips for staying cooler indoors without air conditioning:

- The use of ceiling and pedestal fans while on its own doesn't reduce temperature, the movement of air over your skin evaporates perspiration causing a cooling effect - making the temperature feel up to 8 degrees cooler.
- Gaps around doors and windows should be sealed to prevent hot air entering.
- All electrical appliances generate heat; particularly refrigerators and TVs. Plasma screens in particular are known to create a great deal of heat.
- If you're not watching the TV, switch it off. Do not have the refrigerator door open for extended periods and don't overload it. Turn off any appliance at the wall you're not using (this will also reduce standby power consumption)
- Switch from incandescent bulbs to LED or Compact Fluorescent Lamps (CFL's) as 80% - 90% of the energy consumed by incandescent lighting is wasted through heat.
- Try to confine physical activity to the early hours of the day or late in the evening.
- Try to prepare foods that require the least amount of cooking as possible and use a microwave where you can. Ensure your range hood exhaust fan is on while cooking.
- Wear clothing that breathes, such as cotton. Avoid wearing shoes as our feet are also designed to be efficient heat exchangers.
- Curtains and shades should be a light colour and of heavy material to help reflect/block the heat.
- Keep rooms you don't use often closed off.
- Plant trees around your house to provide a shade buffer between the sun and your walls.
- Discourage family from coming in and out of the house excessively. Each time the door is opened, a substantial blast of hot air will follow.
- Drink plenty of fluids, but steer clear of alcohol and sugar laden drinks.
- A spray bottle full of water kept close at hand can be a great way to get a bit of relief, particularly if there's some air movement.

More tips in next edition...



FIRST ART COURSE FOR 2016

Thong PARROTFISH of the Sea

Come down to the studio and create your very own Cocos Parrotfish. We will be working on a pre-cut ply fish shape and using colourful acrylic paints to create detail on the head, fins and tail of the parrotfish. The scales and vivid colours in the body will be created by applying cut up thongs you can collect from the beach. Super easy and lots of fun.

So start collecting colourful, bright, two-tone and textured thongs now!

COURSE DATES: Saturday's 2nd/ 9th/ 16th/ 23rd APRIL

COURSE TIMES: 9am - 12pm

CATCH-UP SESSIONS: Two Wednesdays 3-5pm

COST: \$300 including prep/ tuition/studio fee & material costs.

NOTE: You will need to do between 8 -10hrs creative homework to finish your fish!



Bookings and payment are essential by March 25th to confirm your spot.

For any enquiries or bookings please don't hesitate to contact me Emma on Phone: 9162 7710 or pop down to the barge.

Bubba's Toybox Sale



Husqvarna TE300
2015 model, 30Hrs use
Two-Stroke, 57 HP
Registered to July 2016
\$9900



Bluefin Dinghy
3.8 Metre, Reg Trailer
25HP Mariner Outboard
Rated for 4 Adults
Registered to Feb 2017
\$2900



SEADOO Spark
2015 model, 18Hrs Use
Four Stroke , 90HP, IBR
3 Seater with Fish Box
Registered to Nov 2016
\$9500

See Geoff or Helen, Hse 28, West Isl or Ph 91626742



Morning Routine

Different people have different excuses in order to portray that they have not been able to kick start their day as they would have desired to.

Today the most common reason which people use as an excuse is working late into a night before.

Whereas for ladies they have reasons such as having a tough time while handling kids from school or tuitions.

But few of us are aware that starting a day in the right manner can be simpler than working throughout the day.

Whether a person is a fitness nut or a gym-o-phobic some tips regarding fitness, nutrition, or wellness can surely help a person to break the morning rut.

Some tips to jumpstart the morning routine are

- Plan & Organize for the Next Morning - Scheduling or planning things a day before takes few minutes which if done would help to approach the next day with a clearer mind.
- Get Your Blood Pumping with a Morning Workout- A proper workout to start a day will help to maintain the flow of blood to the brain and pumped to rest of the body.
- One can go for the new Bayer AM to start a day which is great to take care of the fatigue and aches and pains with the increasing age.
- Eat Breakfast- It is very important to have breakfast no matter how busy a person is. A healthy breakfast would need to constitute proteins, such as yogurt or a bowl of oatmeal with almonds. This would provide energy for the rest of the day which is highly essential in today's tight schedules and busy work styles.
- Hydrate - One of the most important thing one needs to keep in mind is to hydrate. If proper intake of water is done it would help in replenishing the body which in turn would keep a person running the whole day. Therefore a big glass of water in the morning with continuous through the whole day is recommended.
- Prepare to sleep- And finally before one you to the bed unplug all the electronic gadgets at your home including your cell phone.

Further one can read a book or listen to soft music in order to relax and decompress to get the right kind of sleep.

Therefore following the above tips would surely help a person to start a fresh day in a healthy manner.

More tips in next edition...



Government of Western Australia
Department of Fisheries

FUN FACT

WHALE SHARK



Whale shark (*Rhincodon typus*)

The whale shark holds many records for sheer size in the animal kingdom, most notably being by far the largest living non-mammalian vertebrate, rivaling many of the largest dinosaurs in weight (it can weigh over 20 tonnes and reach 18m!).

The name 'whale shark' comes from the fish's morphology, being as large as many whales and also a filter feeder like many whale species, even though it is a fish, not a mammal. The skin of a whale shark, which can be 10cm thick, is marked with white spots that are unique to each individual and are used by marine biologists all over the world to identify individuals.

The whale shark is a filter feeder – one of only three known filter feeding shark species (along with the basking shark and the megamouth shark). It feeds on zooplankton (small animals such as krill floating in the water column), but has also been seen to feed on Christmas Island red crab larvae and small fish. Whale sharks migrate to feed and annual feeding aggregations are seen at various places around the world. Whale sharks also possibly migrate to breed, although neither

mating nor pupping of whale sharks has been observed.

The whale shark is listed as 'vulnerable to extinction' on the International Union for the Conservation of Nature (IUCN) 2010 Red List of Threatened Species. Although now protected in some countries, the migratory nature of the threatened whale shark may result in their moving from a protected area to a hunting zone. In Australia whale sharks are a totally protected species.

Feel free to contact Kim Boothman, Community Education Officer for the IOTs, at any time on Kim.Boothman@fish.wa.gov.au or Work: 9203 0345 / Mobile: 0418 915 281.



Government of Western Australia
Department of Fisheries

Fakta Fisheries Yang
Menyenangkan

WHALE SHARK



Whale shark (*Rhincodon typus*)

Whale shark memegang beberapa rekod untuk besarnya dalam alam binatang, terutamanya 'non-mammalian vertebrate' paling terbesar, menandingi beratbadan banyak dinosaur-dinosaur terbesar (dia boleh berat lebih 20 tone dan sepanjang 18m!).














Nama 'whale shark' datangnya daripada 'morphology' ikan, menjadi sebesar banyak jenis-jenis sepam, walaupun dia ikan, bukan mammal. Kulit whale shark, yang boleh setebal 10cm, bertanda dengan titik-titik putih dan unik tersendiri dan digunakan oleh biologist lautan diseluruh dunia untuk menandakan satu persatu.

Whale shark adalah pemakan yang menggunakan cara 'filter' - satu dari antara tiga jenis cucut (bersama dengan basking shark dan megamouth shark). Ia memakan zooplankton (binatang-binatang kecil seperti krill yang temambang didalam lautan), tetapi juga telah dilihat memakan telur kepiting merah dan ikan-ikan kecil di Pulu Christmas. Whale sharks berpindah tempat untuk makan dan pengumpulan untuk makan setiap tahun dilihat diberberapa tempat disekeliling dunia. Whale sharks juga mungkin berpindah tempat untuk berketurunan,

tetapi mereka berkahwin atau anak whale shark belum dilihat.

Whale shark didaftar sebagai dijaga sebelum kehabisan di 'International Union for the Conservation of Nature (IUCN) 2010 Red List of Threatened Species'. Walaupun sekarang dijaga diberberapa negeri, sikap 'migratory' whale shark yang terancam ini mungkin menyebabkan mereka meminda dari kawasan yang terjaga ke tempat yang mereka diancam. Di Australia whale shark adalah jenis yang terjaga keseluruhnya.

Silahkan hubungi Kim Boothman, Opisa Pendidikan Masyarakat untuk IOTs, bila-bila masa sahaja di Kim.Boothman@fish.wa.gov.au atau Kerjaan: 9203 0345 / Mobile: 0418 915 281.

Mon	Tue	Wed	Thu	Fri	Sat	Sun
	1 Tennis Skills West Island Tennis Court All Ages - 3.30 - 4.00pm Parents/Kids Doubles Year 3 Upwards 4.00pm - 5.00pm	2 Salt Dough Shell Ornaments Ashleigh Saltmarsh West Island School Under Cover W.I - All Ages @4.30pm (Bring along your favorite shells)	3 Dodge Ball All Ages Home Island Tennis Court 4.30pm 	4 Mixed Tee Ball All Ages Home Island Oval 4.30pm 	5 YOUTH CENTRE Year 6 upwards <u>ONLY</u> Open 10am - 10pm Just want to hang with friends? Hang out at the Youth Centre!	6 
7	8 Tennis Skills West Island Tennis Court All Ages - 3.30 - 4.00pm Parents/Kids Doubles Year 3 Upwards 4.00pm - 5.00pm	9 Surfing - Matt R. Year 7 Upwards W.I - Yacht Club 4.00pm Hacky Sack Stress Ball All Ages @4.30pm West Island School Under Cover	10 Arts & Craft All Ages Home Island Old Canteen 4.15pm 	11 Mixed Tee Ball All Ages Home Island Oval 4.30pm 	12 YOUTH CENTRE Year 6 upwards <u>ONLY</u> Open 10am - 10pm Just want to hang with friends? Hang out at the Youth Centre!	13
14	15 Tennis Skills West Island Tennis Club All Ages - 3.30 - 4.00pm Parents/Kids Doubles Year 3 Upwards 4.00pm - 5.00pm	16 Surfing - Matt R. Year 7 Upwards Pulu Maraya 4.00pm Glow In the Dark Jars West Island School Under Cover All Ages @ 4.30pm	17 Dodge Ball All Ages Home Island Tennis Court 4.30pm 	18 Mixed Tee Ball All Ages Home Island Oval 4.30pm 	19 YOUTH CENTRE Year 6 upwards <u>ONLY</u> Open 10am - 10pm Just want to hang with friends? Hang out at the Youth Centre!	20 
21	22 Tennis Skills West Island Tennis Club All Ages - 3.30 - 4.00pm Parents/Kids Doubles Year 3 Upwards 4.00pm - 5.00pm	23 Surfing - Matt R. Year 7 Upwards W.I - The Spot 4.00pm Easter Basket Decorating West Island School Under Cover All Ages @ 4.30pm	24 Arts & Craft All Ages Home Island Old Canteen 4.15pm 	25 GOOD FRIDAY 	26 YOUTH CENTRE Year 6 upwards <u>ONLY</u> Open 10am - 10pm Just want to hang with friends? Hang out at the Youth Centre!	27 
28	29 	30 Surfing - Matt R. Year 7 Upwards W.I - The Spot 4.00pm 	31 Dodge Ball All Ages Home Island Tennis Court 4.30pm	1 Mixed Tee Ball All Ages Home Island Oval 4.30pm	2 YOUTH CENTRE Year 6 upwards <u>ONLY</u> Open 10am - 10pm Just want to hang with friends? Hang out at the Youth Centre!	3

MARCH AFTER SCHOOL ACTIVITY



Cocos Island Meteorological Office (Western Australia)

February, although a short month, was not a month lacking in meteorological substance! The winds swung through nearly all bearings of the compass with the passage of the monsoon trough; A meandering tropical low brought gales and squally showers, and Alana and I tallied a respectable 339.4mm of rainfall for this month. This is 77% more than the averages.

We were quite lucky in dodging the TC development, with TC Uriah being named less than 24hours after passing our NW and developing into category 2 system 12 hours later. It was similar to TC Kate's development on Christmas Day, 2014. With the passage of soon-to-be TC Uriah, a squally shower unleashed a 44-knot NNE'lie gust on an otherwise grey Saturday afternoon to weather-weary die-hards. These lines of showers were mostly towering cumulus and cumulonimbus clouds, wrapping around the low. These few days were our coolest.

In contrast, just last week we came within a whisker of breaking the highest max with 32.1°C, 0.4°C below the record. Sultry conditions have persisted, however these broke with rain and some thunderstorms last Sunday. This year to date Cocos has recorded 546.0mm of rain and temps have remained above the averages.

Until next month.

Joshua and Alana.

Cocos Island Meteorological Office (Western Australia)



Daily Summary for February 2016

203mm rainfall totals

Feb	Max Temp	Min Temp	Terr Min	24 hr Rain	24 hr Evap	Wind Run (kms)		Dir'n	Max Wind kts	Gust Time	Phenom
						blw 3m	abv 3m				
1/02/2016	30.3	25.9	21.5	0.0	07.4	0288	0442	SSE	015	0038	Fine
2/02/2016	30.4	26.1	20.7	0.0	07.2	0103	0320	ESE	018	1445	Fine AM, Cloudy PM
3/02/2016	29.6	27.3	25.6	0.0	06.4	0217	0448	ESE	021	1923	Showers
4/02/2016	29.8	25.2	24.4	6.6	04.8	0321	0582	SE	025	0922	Morning showers, o'cast.
5/02/2016	29.9	25.7	25.0	0.0	05.8	0379	0655	ESE	025	0128	Fine
6/02/2016	30.2	26.9	24.2	0.0	06.8	0322	0595	SE	023	0735	Partly cloudy, fine
7/02/2016	30.6	26.7	23.3	0.0	06.8	0236	0444	ESE	016	1724	Cloudy
8/02/2016	31.4	27.5	25.0	Tce	04.0	0101	0382	NNE	025	2232	Mostly fine, late shower
9/02/2016	31.0	25.2	24.9	43.8		0180	0626	NNE	024	0103	Showers
10/02/2016	30.5	26.8	24.5	2.2	06.4	0210	0614	N	031	1604	Showers, windy.
11/02/2016	30.9	24.7	24.3	70.2		0221	0532	E	027	2151	Morning RA, Fine
12/02/2016	29.0	25.6	24.3	33.0	06.4	0282	0627	E	037	1956	Showers, windy.
13/02/2016	29.3	25.0	24.9	40.0	05.4	0533	0959	NNE	044	1650	Showers, windy.
14/02/2016	30.5	22.9	22.5	63.0		0532	0761	NW	025	0258	Heavy AM showers.
15/02/2016	30.3	27.5	26.0	Tce	05.2	0313	0532	NNE	014	0010	Fine, sultry.
16/02/2016	31.3	27.0	24.6	1.0	05.0	0150	0260	N	012	1145	Humid, Light Showers
17/02/2016	30.5	26.7	25.0	3.0	07.0	0090	0202	ENE	019	0817	Humid, Showers
18/02/2016	31.2	26.4	24.6	3.2	02.6	0201	0433	SE	019	1503	Haze, showers about.
19/02/2016	30.9	26.7	25.1	1.4	06.6	0283	0461	SSE	015	0904	Afternoon shower, fine.
20/02/2016	31.0	26.9	24.8	9.6	05.6	0149	0301	ESE	011	1103	Fine, Late Shower
21/02/2016	31.2	26.4	24.5	6.2	04.0	0136	0294	SE	020	0041	Area showers, Fine
22/02/2016	31.4	27.6	25.5	Tce	04.0	0072	0281	ESE	017	1117	Fine
23/02/2016	31.1	27.7	25.9	0.2	07.6	0275	0416	SE	015	0853	Fine
24/02/2016	31.2	27.2	24.2	0.0	06.8	0194	0369	SE	014	2036	Fine
25/02/2016	31.3	27.3	25.1	0.0	06.6	0191	0344	ENE	015	1901	Fine, PM Shower
26/02/2016	31.6	25.2	23.9	30.0	07.2	0108	0231	SSE	016	0533	Heavy early AM Shower
27/02/2016	32.1	27.2	24.5	0.2	02.8	0108	0239	ENE	016	0942	Fine
28/02/2016	29.4	26.5	24.7	0.4	04.6	0160	0318	SSE	026	1133	Showers and light rain.
29/02/2016	29.9	26.0	25.1	25.4	03.2	0289	0565	E	024	0932	Showers and light rain.
Totals				339.4	146.2						
Highest	32.1	27.7	26.0	70.2	07.6	0533	0959	NNE	044	1650	
Lowest	29.0	22.9	20.7		02.6	0072	0202			13-Feb	
Average	30.6	26.3	24.4		05.6	0229	0456				
Raindays				18							

* Dew or fog (not counted as a rainday)

#MX WIND FROM AWS PRINTOUT

Cocos Island Meteorological Office (Western Australia)

12° 19' 03" South 96° 83' 33" East

Barometer ht above MSL : 3 metres

WMO Station Number : 96996

Cup anemometer ht AGL : 10 metres



Cocos Island Meteorological Office

Tel: (08) 9162 6625 • Fax: (08) 9162 6626 •

Postal Address: PO Box 1009, Cocos Islands WA 6799

To : WA Climate Services Centre
 Attn: Michelle Dal Pozzo
 Fax. (08) 9263 2233

From : Duty Officer

Date : 01 March 2016

Monthly Weather Summary for February 2016

Element	Values for Feb	date	Month's extremes and averages	Annual extremes
Highest temperature	32.1 °C	27-Feb	32.5 14/02/2014	32.8 7/04/2015
Lowest daily maximum	29.0 °C	12-Feb	26.6 14/02/1971	23.9 23/07/1956
Average maximum	30.6 °C		30.0	
Highest daily minimum	27.7 °C	23-Feb	28.1 16/02/1998	28.6 27/04/1998
Lowest temperature	22.9 °C	14-Feb	20.1 14/02/1985	18.3 6/08/1979
Average minimum	26.3 °C		25.1	
Highest terrestrial minimum	26.0 °C	15-Feb		
Lowest terrestrial temperature	20.7 °C	2-Feb	17.3 23/02/2001	15.9 22/12/2003
Average terrestrial minimum	24.4 °C		23.3	
Total monthly rainfall (mm)	339.4 mm		191.7	
Total yearly rainfall since 1 Jan	546.0 mm		349.4	
Highest monthly rainfall (mm)			1000.4 2013	1000.4 Feb-13
Lowest monthly rainfall (mm)			6.6 1976	0.0 Oct, 1923
Highest daily rainfall	70.2 mm	11-Feb	416.0 25th 2013	416 25/02/2013
Number of raindays	18 days		15 days	
Total monthly evaporation	146.2 mm		185.4 mm	
Highest daily evaporation	7.6 mm	23-Feb		
Maximum wind gust	NNE at 82 kph - 1650 hrs		E at 163 kph	W at 176 kph
		13-Feb	27th 1992	21/01/1968

* new or equalled record.

Remarks

Temperatures Daily maximum temperatures averaged 30.6°C – 0.6°C above average.
 Overnight minimum temperatures averaged 26.3°C – 1.2°C above average.

Rainfall Month's total rainfall was 339.4 mm – 148 mm (77%) above average.
 Year's total rainfall so far is 546 mm – 197 mm (56%) above average.

Evaporation Month's total evaporation was 146 mm – 39 mm (21%) below average.

Crossword



ACROSS

1. Approves
6. Sensed
10. Anagram of "Ties"
14. Hotel employee
15. Wings
16. Stepped
17. Wash out with a solvent
18. Train track
19. Learning method
20. A payment of money
22. Basic unit of money in China
23. Unhappy
24. Truths
26. Associate
30. Nothing-but-net sound
32. Heavenly hunter
33. Calmness without winds
37. Breathe hard
38. Earthquake
39. Small island
40. Not here
42. Building addition
43. Periods of seven days
44. Fast
45. Wear away
47. Hit on the head
48. Aspersion
49. A verbatim performance
56. Role
57. French for "State"
58. Audio communications
59. A D-Day beach
60. Certain
61. Make improvements
62. Depend
63. Chickadees
64. Discharges

DOWN

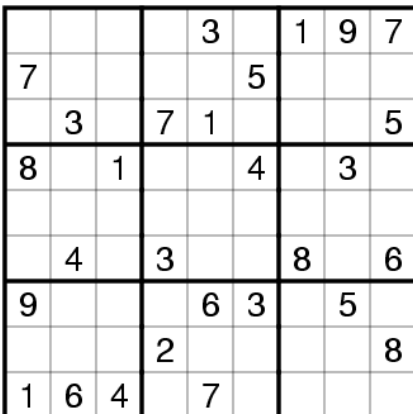
1. Not under
2. Cabbagelike vegetable
3. Astringent
4. Abominable Snowman
5. Type of hat
6. Unit of capacitance
7. Distinctive flair
8. Nonclerical
9. Television movie
10. An alkaloid plant toxin
11. Anagram of "Tutor"
12. Smidgens
13. Biblical garden
21. Bar bill
25. American Sign Language
26. Expect and wish
27. By mouth
28. Containers
29. Remarkable
30. Mixes
31. Sage
33. Search
34. Feudal worker
35. Sleigh
36. Alluring
38. Most diaphanous
41. Married
42. Garb
44. Drunkard
45. Gladden
46. Not urban
47. Nibbles
48. Prod
50. Decorative case
51. A heavy open wagon
52. Docile
53. Bright thought
54. Pig sound
55. Gestures of assent

Sudoku Station

How do I do it?

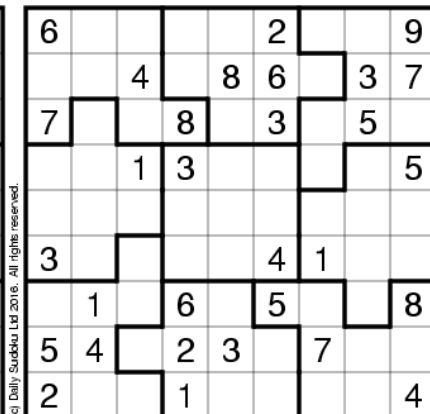
The object is to insert the numbers in the boxes to satisfy only one condition: each row, column and group of squares enclosed by the bold lines must contain the digits 1 through 9 exactly once.

The rules for different size and shape puzzles are pretty much identical. The different size puzzles simply require a different set of numbers.



Daily SuDoku: Tue 1-Mar-2016

hard



Daily Squiggly SuDoku: Tue 1-Mar-2016

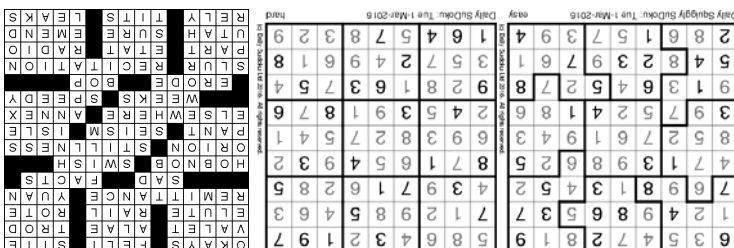
easy

Brain teaser Central!

The number 8,549,176,320 is a unique number.
Can you tell me what is so special about it?

This is the only number which includes all the digits arranged in alphabetical order.

Brain teaser Answer



Crossword Solutions

Sudoku Solutions



Pink Stumps Day—Cocos Style!

*Do you have a Cocos Moment you would like to share?
Email your favourite photo to cocosislands@crc-net.au or drop into the Community Resource Centre.*

Birthdays & Anniversaries

*Wish to send love ones special messages on their birthdays and anniversaries?
Drop in at the Cocos Islands Community Resource Centre or email communications@cocos.wa.gov.au*



Cocos (K) Islands Community Resource Centre

Your local connection

Upcoming 2016 Community Events

Event Name	Event Date	Event Host
Worlds Greatest Shave	16/03/2016	Cocos Club
West Island Market Day	19/03/2016	Cocos Islands CRC
Council Meeting - West Island (Admin Conference Room)	30/03/2016	Cocos Islands Shire Council
Kids Movie Night	08/04/2016	Cocos Club
Anzac Day/Two Up and Lunch	25/04/2016	Cocos Club/North Park
Council Meeting - Home Island (Council Chamber)	27/04/2016	Cocos Islands Shire Council
Mothers Day - Cocktails	08/05/2016	Cocos Club
Kids Blue Light Disco	11/05/2015	AFP
Indoor Sports Competition	15/05/2016	Cocos Club
Council Meeting - Home Island (Council Chamber)	25/05/2016	Cocos Islands Shire Council
Australia's Biggest Morning Tea	26/05/2016	Cocos Islands CRC
Cocos Ball	10/06/2016	Cocos Club
West Island Market Day	18/06/2016	Cocos Islands CRC
Council Meeting - Home Island (Council Chamber)	29/06/2016	Cocos Islands Shire Council
Kids Movie Night	24/07/2016	Cocos Club
Council Meeting - West Island (Admin Conference Room)	27/07/2016	Cocos Islands Shire Council
Kids Blue Light Disco	10/08/2016	AFP
Barefoot Ball	19/08/2016	Yacht Club
Cocos Club Members BBQ	23/08/2016	Cocos Club
Council Meeting - Home Island (Council Chamber)	31/08/2016	Cocos Islands Shire Council
West Island Market Day	17/09/2016	Cocos Islands CRC
West Fest	24/09/2016	Cocos Club
Council Meeting - Home Island (Council Chamber)	28/09/2016	Cocos Islands Shire Council
Calcutta	02/11/2016	Cocos Club
Melbourne Cup	03/11/2016	Cocos Club
Kids Blue Light Disco	09/11/2016	AFP
Council Meeting - West Island (Admin Conference Room)	23/11/2016	Cocos Islands Shire Council
Movember	25/11/2016	Cocos Club
West Island Market Day	10/12/2016	Cocos Islands CRC
Kids Xmas/Carol/Farewell	26/12/2016	Cocos Club
Council Meeting - Home Island (Council Chamber)	21/12/2016	Cocos Islands Shire Council
New Years Eve	31/12/2016	Cocos Club

The above events with further details are all advertised on the Cocos Islands CRC website.

If you have a community event you would like to advertise, please contact our office with your details.

This is a FREE service for our Community.

Phone: 9162 7707 Email: cocosislands@crc.net.au Website: www.cocos.crc.net.au



The next edition of The Atoll will be produced on:
 Edisi The Atoll selanjutnya akan dikeluarkan pada:

All items/materials must be received by:
 Semua majalah mesti diterima sebelum:

Thursday 17th Mar 2016

1:00pm Tuesday 15th Mar 2016

Cocos Snapshots 2...

Gambaran Cocos 2...



2016 Better Beginnings Group



D&T project by senior class on HI Campus



CIDHS's last surfing lesson for the year showed great progress!

Have Your Say



Contact for The Atoll:
 Mohammed Isa Minkom

Email:
 communications@cocos.wa.gov.au
 Telephone:
 (08) 9162 6649

Letters to the Editor will either be accepted or rejected by the Editor. Items need to be:



- Accurate and/or factual
- Not defamatory or inflammatory
- Identified by author

Please take into consideration our format when preparing your items/materials to make the most of the spaces available.

The Atoll publication staffs reserves the right to edit the formatting of articles submitted for publication.

Materials should preferably be electronically forwarded to: cocosislands@crc.net.au

To ensure a timely distribution of the newsletter, we request that all items/materials be forwarded before 1pm, 2 days prior to its distribution date.

Disclaimer

The views expressed in articles in this newsletter are not necessarily the views of the editors or other volunteers who work to produce The Atoll.

The editor has the right to withhold, edit or abbreviate items as considered necessary.

No responsibility is accepted for any statement of opinion, any error or omissions.