

## SDF News Sheet – March 2018

Monthly newsletter of  
**Scuba Dive SA**  
The SCUBA DIVERS FEDERATION OF SA

Contact us via:  
PO Box 287, Christies Beach SA 5165  
[www.sdfsa.net](http://www.sdfsa.net) , [info@sdfsa.net](mailto:info@sdfsa.net) , <http://www.facebook.com/groups/448643155213641/>

### Sponsored by Mile End Office Furniture

Scuba Dive SA is the peak body in South Australia,  
We represent all recreational divers in SA.  
We have helped to protect the ocean environment.  
We have been instrumental in preserving jetties, sharks, etc..  
We need your support to continue to serve all divers.

This monthly electronic news sheet is provided as a service to our members. Our monthly newsletters (and any bulletins) can be downloaded from <http://www.sdfsa.net/newsletters.htm>.

**Summer is over already! It's now Autumn for the next three months. There is a holiday long weekend from 10-12<sup>th</sup> March for the Adelaide Cup on Monday 12<sup>th</sup> March. The Easter holiday long weekend is from Fri 30<sup>th</sup> March to Mon 2<sup>nd</sup> April. Anzac Day (25<sup>th</sup> April) falls on a Wednesday this year. That makes two public holiday weekends in March and two more in April! Then there is the unofficial St Patrick's Day on Saturday 17<sup>th</sup> March. That just happens to be the date for our State Election. Daylight Savings ends in SA on Easter Sunday, 1<sup>st</sup> April (April Fool's Day).**

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## **NEXT MEETING**

The next meeting of Scuba Dive SA is being held in the Conference Room on level 2 in The Braggs building (see <https://www.adelaide.edu.au/ipas/images/the-braggs/map-the-braggs.png>) at the University of Adelaide at 7pm on Tuesday 27<sup>th</sup> March. The address is Victoria Drive, Gate 8. Car parking is available on Victoria Drive. Walk in Gate 8 and through the big double doors in The Braggs building.

## **CLEAN UP AUSTRALIA DAY**

This year’s Clean Up Australia Day is being held on Sunday 4th March.

## STATE ELECTION

Also on this month, is a State Election. It is being held on St Patrick's Day (Saturday 17<sup>th</sup> March). There are going to be many candidates from several political parties contesting the elections. The Liberals say that, if they win Government at the forthcoming State Election, they will "undertake a science-based review of our network of marine parks, ensuring that a sensible and successful balance is struck between economic development and environmental preservation. . . .Regional communities, the tourism industry and both commercial and recreational fishers are suffering because management measures imposed by Labor are not supported by sound science and that's why we will revise the Sanctuary Zones the government imposed." Further details can be found at <https://strongplan.com.au/policy/marine-parks-economic-and-environmental-priorities/>

## MARINE LITTER BREAKFAST SEMINAR

A breakfast seminar titled "Marine Litter: Local, National & International Perspectives" is being held from 7.15-9.15am on Wednesday 14<sup>th</sup> March at the Adelaide Pavillion, Cnr. South Terrace & Peacock Rd, Adelaide. Cost: WMAA members: \$60, non-members: \$80. RSVP by Friday 9<sup>th</sup> March. You would have no doubt seen pictures of animals caught in discarded fishing nets, bird carcasses filled with marine plastic they have eaten, and maybe you have heard of microplastics that are found in increasing numbers in the world's oceans. Marine litter presents a huge problem in our oceans, with some scientists warning that, by 2050, the quantity of plastics in the oceans will outweigh fish. It is no coincidence that at this time it has been estimated that 95% of all marine bird species will have ingested some marine plastic. These numbers may seem to paint a grim picture, but things can be done to clean up and more importantly stop the problem at its source so we can start turning the tide on marine litter. Join us at the WMAA SA Branch Breakfast to learn more about the marine litter challenges. Hear from experts on key volumes and sources of marine litter in South Australia and the South East Asian region. At the seminar you will have the opportunity to take part in the discussion on what actions South Australians can take to address marine litter. It will also touch on measures that can be taken at many levels - be it individual, educator, council, regulator, participants in the international arena, and the like.

The program details, including the list of speakers are included in the March issue of our SDFSA Bulletin. For further information, please contact WMAA events on 02 8746 5000 or [info@wmaa.asn.au](mailto:info@wmaa.asn.au). Brian Johnston, Branch Support Officer - SA Waste Management Association of Australia, 0419 018 806, [sa@wmaa.asn.au](mailto:sa@wmaa.asn.au) [www.wmaa.asn.au](http://www.wmaa.asn.au) .

## CLUB NEWS

The Marine Life Society of SA monthly meetings will be held at Adelaide Scuba on the Patawalonga Frontage at Glenelg North from now on. General Meetings are held on the 3<sup>rd</sup> Wednesday of each month from February to November. The next meeting will be held at the new location at 7pm on Wednesday 21<sup>st</sup> March.

## 'FAILURE' OF AN ALUMINIUM CYLINDER TEST BASED ON AGE ALONE

Our Federation is investigating the recent 'failure' of an aluminium dive cylinder hydrostatic test based on age alone. The 1989 ally had been tested several times in the past 5 years but has

now been condemned based on the year of manufacture. It is unclear as to what has changed causing the test station to suddenly reject a tank for testing. We hope to be able to establish the reasoning behind the failure of the tank and report back to our members.

## **AUSSIE DIVERS PHUKET OFFER TO OUR FACEBOOK GROUP MEMBERS**

Darren Gaspari is the owner and PADI Course Director at Aussie Divers Phuket. He is offering our Facebook group members discounts for diving in Phuket. He is offering 10% discount on all PADI Courses, 15% off liveboards and scuba diving day trips and 20% discount on our luxury day trip speedboat. "We love to see some of the group over here. Happy to take good care of them when they are here," he says. To take advantage of this generous offer, email [info@aussiediversphuket.com](mailto:info@aussiediversphuket.com) and tell them that you heard about special discounts being offered to Scuba Dive SA Facebook group members. Visit either <https://www.aussiediversphuket.com/> or <https://www.facebook.com/AussieDiversPhuket/> for more details.

## **NEW INSTALLATIONS AT BLACK POINT**

According to Cuttlefish Country, this year's cuttlefish breeding season (May-August) will be a little more comfortable for visitors to Black Point. A windbreak and outdoor furniture has been installed and a toilet block is under construction.

## **20,000 YELLOWTAIL KINGFISH ESCAPED**

17,000 yellowtail kingfish still remain on the loose after 20,000 escaped off Port Stephens, NSW during January. They broke free after their fish-farm sea cage was destroyed during a storm. 3000 kingfish were recaptured. The Marine Parks' Association chairman said that the impact could be devastating for local wildlife. The value of the lost kingfish is estimated at \$1m. They came from one of three trial fortress pens during rough seas lasting four days. The pens belonged to Huon Aquaculture, who said that the incident was only due to 'operational shortcomings' that have since been addressed.

## **5<sup>TH</sup> DIVE FOR CANCER**

DFC2018, which was held at Port Noarlunga on 25<sup>th</sup> February, was reportedly a huge success event. It was attended by a large number of people who enjoyed the food, the auctions and the diving.

## **ASDC TRAINING TANK**

The old original ASDC heated training tank was set up to do in-water decompression. There was no chamber in SA, so this was the only option to stabilize bent divers and give them a chance to survive. It worked well with surface supply O<sub>2</sub>, full face Argas and a support diver. In the 1990s, the old training tank was replaced by a new one that was installed into the ground. The old one was sold for scrap. The replacement training tank is now located at the

rear of Divers Service at Welland. It is slightly wider and a lot shallower than the original ASDC training tank.

## **LEG BONE THOUGHT TO BELONG TO "BLACK SAM"**

According to the web page found at <https://www.cbsnews.com/news/bone-recovered-from-massachusetts-shipwreck-could-belong-to-captain-samuel-bellamy/> , a human leg bone found the wreck of the pirate ship *Whydah Galley* off the coast of Wellfleet is thought to belong to "Black Sam" (Capt. Samuel Bellamy). The leg bone was removed from a massive clump of sand and iron. It is thought to belong to Capt. Bellamy because it was found near his pistol. Further details about the *Whydah Galley* can be found at [http://pirateshipwrecks.com/whydah\\_galley\\_samuel\\_bellamy](http://pirateshipwrecks.com/whydah_galley_samuel_bellamy) .

## **DAN PUBLISHES LATEST DIVE INJURY RESEARCH**

“DAN (the Divers Alert Network) has been monitoring dive injuries and fatalities for more than 30 years. In a recent paper (titled “Epidemiology of morbidity and mortality in US and Canadian recreational scuba diving”) in the prestigious British medical journal “Public Health”, DAN researchers Petar Denoble and Peter Buzzacott, along with two co-authors, estimated the current risk of dying while scuba diving at slightly less than two deaths per million recreational scuba dives. This estimate was based on more than 380,000 American sports-participation surveys and 563 U.S. diving deaths during a 10-year period. Using data available through National Electronic Injury Surveillance System, the researchers also estimated an annual average of 1,400 diving-related U.S. emergency-department visits during the period, with the number exceeding 2,000 some years. To the millions of U.S. residents who will scuba dive this year, these figures may be reassuring. As always, however, DAN’s commitment to making diving safer is unwavering. President and CEO Bill Ziefle noted, “DAN’s vision is for every dive to be accident- and injury-free. We will continue to monitor dive fatalities and dive safety in general, and we will keep working to promote safe practices in communities of divers worldwide.” The researchers found that one of every 10,000 emergency-department visits was due to a scuba injury. Buzzacott, DAN’s director of injury monitoring and prevention, said, “This is an important reason why DAN operates a 24/7 emergency medical hotline: to assist not only injured divers but medical professionals who rarely see diving injuries and may not have the expertise that our medical team has.”

(Source: [https://www.divenewswire.com/dan-publishes-latest-dive-injury-research/?utm\\_source=DNW&utm\\_medium=email&utm\\_term=article-9833&utm\\_campaign=DNW\\_02\\_21\\_18](https://www.divenewswire.com/dan-publishes-latest-dive-injury-research/?utm_source=DNW&utm_medium=email&utm_term=article-9833&utm_campaign=DNW_02_21_18) )

## **DIVE GLOVE MIRRORS NOW AVAILABLE**

Meanwhile, according to the web page found at <http://www.360observe.com/index.php/zastosowanie/diving> , dive glove mirrors are now available. “The advantages of the mirror during the dive” are given but try to make any sense at all about the description of the mirrors.

## **DIVERS FIND UNDETONATED WORLD WAR II BOMB IN SYDNEY HARBOUR**

“Two divers scouring the ocean floor for old bottles and glassware made an unexpected discovery at the bottom of Sydney Harbour on Wednesday: an undetonated bomb from World War II. The find prompted police to block off an area near Jones Bay at Pyrmont as military personnel seized the device. Dive instructor Tony Strazzari said he'd plunged into the water for a routine dive with friend Paul Szerenga when he detected the bomb's cylindrical shape and dart-like end nestled on the floor ..... A Defence Department spokeswoman said the mortar would be disposed of safely on a military range. "If a member of the public should find a suspicious item that may be unexploded ordnance, do not touch or disturb it," the spokeswoman said. "The local police should be contacted who will arrange for military experts to attend and dispose of it."

(Source: [www.smh.com.au/nsw/this-was-a-first-for-me-divers-find-undetonated-world-war-ii-bomb-in-sydney-harbour-20180221-p4z16g.html](http://www.smh.com.au/nsw/this-was-a-first-for-me-divers-find-undetonated-world-war-ii-bomb-in-sydney-harbour-20180221-p4z16g.html) )

Further details are included in the March issue of our SDFSA Bulletin.

## **ANNIVERSARIES**

9 YEARS AGO, the new \$3.9m, 240m-long, steel and concrete jetty at Rapid Bay was opened by Patrick Conlon, Infrastructure Minister, on 11<sup>th</sup> March 2009. The new jetty had a purpose-built divers' platform providing easy access to the water.

16 YEARS AGO, the 32m-long MV *Seawolf* was scuttled by the Sea Wolves Dive Club at the Port Noarlunga Tyre Reef on 23<sup>rd</sup> March 2002.

26 YEARS AGO, the Navigator memorial was originally unveiled in St Vincent Street, Port Adelaide in February 1992. The Navigator was in memory of those who had lost their lives at sea along the South Australian coastline. It comprised of a large ship's wheel, longitude and latitude and compass points. It was moved to its present position in Timpson Street in 2009, in time to commemorate the 150th anniversary of the sinking of the SS *Admella* on Carpenters Reef in the early hours of 6th August 1859. The loss of 89 lives makes the wreck one of the worst maritime disasters in Australia's history.

41 YEARS AGO, the North Haven boat ramp was opened in 1977. (Good news! The future of the North Haven boat ramp is now secure following its purchase back by the State Govt. The \$14 launch fee is said to be being reduced down to \$10 too.)

38 YEARS AGO, HMAS *Tobruk* was launched on 1st March 1980 (by Lady Anna Cowan) as the Royal Australian Navy's first purpose-built amphibious heavy lift ship. The ship was decommissioned on 31st July 2015 and she has been at Bundaberg Port since December 2016 where she is being prepared for sinking as a dive wreck. The scuttling is a project in partnership between the Queensland Government, Bundaberg and Fraser Coast Regional Councils to create an artificial reef and world-class dive site in the Hervey Bay region. Visit <https://www.npsr.qld.gov.au/ex-hmas-tobruk/> for more details.

## **STATE GOVT. HAS BOUGHT NORTH HAVEN RAMP**

Good news! The future of the North Haven boat ramp is now secure following its purchase back by the State Govt. The State Govt bought it back from the CYCSA for \$5.5m. The \$14 launch fee is said to be being reduced down to \$10 too.

## **VOLUNTEER DIVERS WORKING TO REDUCE SEA URCHINS**

Redmap says that volunteer divers working hard to reduce urchins on our temperate reefs. More longspine sea urchins (*Centrostephanus rodgersii*) are making southern reefs home and chomping up too much of our reef habitat. Abalone divers and conservationists on the far south coast have been busy working together to reduce the number of sea urchins that are dominating the sea floor. Check out the video footage to be found at <https://www.facebook.com/abcsoutheastnsw/videos/1752678708109922/> .

## **WORLD REGISTER OF MARINE CAVE SPECIES**

WoRCS (@CaveSpecies), the World Register of marine Cave Species, aims to create a comprehensive taxonomic and ecological database of species from marine caves and anchialine systems. Visit <https://t.co/7WO9l8DmZx> for more details.

## **DREDGING AT OUTER HARBOR**

The EPA allegedly stated that dumping the dredged silt from Outer Harbor on land would put the mangroves at risk. They say that it would require an 8km pipe to be built through the mangroves and the Adelaide Dolphin Sanctuary. They say that the risk of breakage of the said pipeline, and flow of spoil in to the environment, would be unacceptable. They say that it is better to dump silt in an area that has already been degraded by past dredging. They say that the area is already largely devoid of life. A letter to the editor in the newspaper said that the problem would be 'solved' if the fish simply found some temporary seagrass beds to live in. We need to encourage the Government to use the sediment from the proposed dredging (at Outer Harbor next winter) to facilitate other infrastructure projects in the north. The port manager for Flinders Ports would get accolades if he was able to come up with an alternative dredging proposal that would make everyone happy. In a surprise turnaround, the Planning Minister, John Rau now wants the EPA to investigate the disposal of dredged silt on land. He will make a decision on the matter when he receives the EPA report. I wonder where the SA Liberals stand on the issue? See the web page at [www.adelaidenow.com.au/messenger/west-beaches/planning-minister-john-rau-requests-epa-investigate-relocating-flinders-ports-dredge-spoil-on-land/news-story/8892515188fdd51caa0d3c91a9ea1740](http://www.adelaidenow.com.au/messenger/west-beaches/planning-minister-john-rau-requests-epa-investigate-relocating-flinders-ports-dredge-spoil-on-land/news-story/8892515188fdd51caa0d3c91a9ea1740) .

## **DREDGING IN THE ADELAIDE DOLPHIN SANCTUARY**

As if dredging Outer Harbor is not bad enough, Origin plans to dredge 70,000 cu metres in the Port River (read that as “the Adelaide Dolphin Sanctuary”) to be able to accommodate an LPG fuel storage barge. Add this 70,000 cu metres to the 1,550,000 cu metres at Outer Harbor and we are looking at some 1.62m cu metres of dredged material within the Port River area.

## **JET SKIERS RECORDED HOONING IN THE ADELAIDE DOLPHIN SANCTUARY**

Meanwhile, some jet skiers have recently been recorded hooning in the Port River around the Garden Island jetty, within the Adelaide Dolphin Sanctuary. They have been reported to the authorities for follow-up enquiries.

## **DAYLIGHT SAVINGS**

According to [http://www.safework.sa.gov.au/show\\_page.jsp?id=2675](http://www.safework.sa.gov.au/show_page.jsp?id=2675), “South Australians will move their clocks back from 3am to 2am on Sunday, 1 April 2018 (Easter Sunday)”.

## **ScuBAR**

Our next ScuBAR won't be held until April due to the Mad Month of March, which includes the Adelaide Fringe and the Adelaide Festival. Our ScuBARs are sponsored by the Rob Roy Hotel, Mile End Office Furniture and Dell'Uva Wines Estate. Dell'Uva Wines are at Freeling in the Barossa Valley where they have the largest range of imported Spanish, Italian, Portuguese & French alternate wine varieties. They have now got their cellar door open at Greenock. Our thanks go to the Rob Roy Hotel, Mark Tozer of Mile End Office Furniture and Wayne Farquhar at Dell'Uva Wines for their generous support of our Federation.

## **SDFSA BULLETIN**

Attached along with this SDF News Sheet is a copy of the latest issue of our SDFSA Bulletin (an electronic bulletin separate to our normal monthly News Sheet). This issue includes the following items: -

Marine Litter Breakfast Seminar

Divers Find Undetonated World War II Bomb In Sydney Harbour

Future issues of our “SDFSA Bulletin” will include lengthy articles about matters of interest to recreational divers. We welcome contributions from our readers.

## **FORTHCOMING EVENTS:**

### **“WET SOUNDS AT ADELAIDE FRINGE”**

The Adelaide Fringe Festival is starting soon. Wet Sounds, in collaboration with The Dive Shack, is coming to the Adelaide Fringe. “Wet Sounds transforms swimming pools into art spaces, immersing the public in a deep listening experience while floating or diving in the water. Sound travels four times faster in water than it does in the air, and is perceived by the entire body and the inner ear. Underwater, the sound is very clear, detailed, and gives an unusual feeling of womb-like privacy within a public space. The music is an eight-channel composition divided to speakers above and below the water surface. The water surface acts as a threshold between two worlds, the public and the private, the real and the imaginary. Accessed for the duration of a breath of air, the audience member crosses the threshold between two different music and two entirely different listening experiences exploring the gravity free watery space with movement. Looking into the depths of the pool, audiences will discover scenes emerging beneath them as scuba performers use the pool floor to stage surreal scenes and interact with audiences who dive in. No two experiences are alike. The music draws on electroacoustic and collage traditions to create a charged and dynamic composition that activates the sports centre space into the realms of fantasy and abstraction. Swimwear (is) compulsory, goggles (are) recommended. Audiences must be able to swim.” “Wet Sounds at Adelaide Fringe” is being held each night from 1<sup>st</sup> to 5<sup>th</sup> March at the Adelaide Aquatic



Centre, Jeffcott Rd, North Adelaide. Tickets are available at <https://www.adelaidefringe.com.au/fringetix/wet-sounds-af2018> .

## **OCEAN FILM FESTIVAL**

The Ocean Film Festival World Tour comes to Adelaide's Capri Theatre, 141 Goodwood Rd, Goodwood on Saturday 17th March 7 pm - 10 pm. Tickets are available through EventBrite at <https://www.eventbrite.com.au/e/ocean-film-festival-world-tour-adelaide-capri-theatre-17-march-2018-tickets-38927526279?aff=efbeventix> . There is a Facebook page at <https://www.facebook.com/OceanFilmFestivalAustralia/> . Visit [www.oceanfilmfestival.com.au](http://www.oceanfilmfestival.com.au) for more details.

## **ADEX 2018**

ADEX is being held in Singapore 6-8<sup>th</sup> April. Visit [www.adex.asia](http://www.adex.asia) or see page 59 of the February issue of Dive Log for more details.

## **PARKS & LEISURE AUSTRALIA + RECREATION SA CONFERENCE**

The 2018 Parks & Leisure Australia + Recreation SA Conference is being held on Thursday 7th June 2018.

## **5TH INTERNATIONAL MARINE CONSERVATION CONGRESS**

The 5th International Marine Conservation Congress is being held in Kuching, Sarawak, Malaysia from 24-29th June.

## **MARINE MAMMAL SYMPOSIUM IN ADELAIDE**

The Marine Mammal Symposium is being held in Adelaide in July this year, in conjunction with the AMSA 2018 conference. It is being held from 1st-5th July 2018 at the Adelaide Convention Centre. The Symposium theme is "From Sea to Coast - Marine Mammals in a Connected World". It "recognises that marine mammals are covering large areas of the marine environment and connect various habitats throughout their lives. Their migratory behaviour often poses great challenges to study these animals and albeit their often-iconic character, knowledge about their whereabouts is still limited. They are exposed to a range of challenges including impacts from anthropogenic activities such as shipping, fishing, exploration, pollution and climate change but have also found ways of adapting to impacts. New techniques are being used to shed light on the migration, adaptation and behaviour of marine mammals such as seals, sea lions, orcas, southern right and humpback whales in Australian waters setting worldwide standards. Visit [www.amsa18.amsa.asn.au/](http://www.amsa18.amsa.asn.au/) for more details.

## **AMSA 2018 CONFERENCE**

AMSA 2018 will bring together practitioners involved in marine science ranging from marine biology, conservation to geology and management of marine environments. It is being held from 1st-5th July 2018 at the Adelaide Convention Centre. The conference is relevant to government and non-government scientists, policy makers, environmental scientists,

environmental consultants, marine scientists, and students and technicians with an interest in marine science, marine conservation and management. Visit [www.amsa18.amsa.asn.au/](http://www.amsa18.amsa.asn.au/) for more details.

## **AIDE 2018**

The Australia International Dive Expo is being held at the International Convention Centre in Sydney 2nd to 6<sup>th</sup> August 2018 (in collaboration with the Sydney International Boat Show). Details can be found on pages 65 of the March issue of Dive Log. Visit [www.australiadiveexpo.com](http://www.australiadiveexpo.com) for more details.

## **4TH INTERNATIONAL SYMPOSIUM ON ANCHIALINE ECOSYSTEMS**

The 4th International Symposium on Anchialine Ecosystems is being held Lanzarote, 1<sup>st</sup> to 7<sup>th</sup> October 2018. (An anchialine pool is an enclosed water body or pond with an underground connection to the ocean. Lanzarote is a Spanish island in the Canary Islands.) According to the web page found at <https://oceanservice.noaa.gov/facts/anchialine.html>, “Anchialine pools form some of the longest submerged caves structures on Earth. .... These typically small pools, which form in limestone or volcanic rock, are located throughout the world but are most common in the Hawaiian Islands and on Mexico’s Yucatán Peninsula. Anchialine pools have their own unique ecosystems populated by tiny and often rare species of crustaceans, fish, and eels.” The Symposium “aims at gathering researchers from throughout the world who dedicate their research on all aspects “anchialine”. The sessions of the symposiums cover various fields of Biology, Systematics and Evolution, Biogeography, Geomicrobiology, Ecology, Geology, Hydrology, Paleontology, and Archeology.” Visit <http://www.4isae.es/> for more information. WoRCS (@CaveSpecies), the World Register of marine Cave Species aims to create a comprehensive taxonomic and ecological database of species from marine caves and anchialine systems. Visit <https://t.co/7WO9l8DmZx> for more details.

## **PORT ADELAIDE WOODEN AND HERITAGE BOAT FESTIVAL**

The inaugural Port Adelaide Wooden and Heritage Boat Festival will be held in Port Adelaide from 13-4<sup>th</sup> October 2018.

## **OZTek2019**

OZTek2019 will be held at the International Convention Centre Sydney, Darling Harbour on March 16/17, 2019. Visit [www.oztek.com.au](http://www.oztek.com.au) for more details.

Details for many forthcoming events can be found at <http://www.dive-log.net.au/news-events/>. Visit the web page found at <http://www.tourism.sa.com/events/event-news-edition-two.aspx> to see the latest from Events South Australia.

Scuba Dive SA [www.sdfsa.net](http://www.sdfsa.net) (The Scuba Divers Federation of SA) is a member of the following: -

RecFishSA (SA Recreational Fishing Advisory Council) <https://recfishsa.org.au/>

SA Trails Coordinating Committee\* <http://www.southaustraliantrails.com/>

\* (Office of Recreation & Sport) <http://www.ors.sa.gov.au/>

Recreation SA <http://recreationsa.org/>

If you wish to be included on the mailing list for this electronic news sheet, contact Steve Reynolds, the Federation's Secretary, on [info@sdfs.net](mailto:info@sdfs.net) for more details.

The SDF supports both Reef Watch & DragonSearch

[http://www.conservation.sa.gov.au/reef\\_watch](http://www.conservation.sa.gov.au/reef_watch)

Disclaimer – The opinions expressed by authors of material in this news sheet are not necessarily those of the Federation.