

A full-page underwater photograph serves as the background. It shows a diver in silhouette, swimming horizontally across the upper half of the frame. Sunlight rays penetrate the water from the surface, creating a dappled light effect. Below the diver, a rocky seabed is covered with green and yellow seaweed. In the distance, another diver is visible near the bottom.

# 2018 **ANNUAL REPORT**

NEW ZEALAND  
UNDERWATER  
ASSOCIATION

NEW ZEALAND  
**Underwater**  
ASSOCIATION



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# 1. PRESIDENT'S REPORT

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On behalf of the Board of New Zealand Underwater Association (NZU), I am pleased to present the 65th Annual Report and Statement of Accounts for the period 1 March 2017 to 28 February 2018.

## LEADERSHIP AND MANAGEMENT

The Board had a challenging year with the cessation of our agreement with PADI, but this does allow NZU to represent all divers equally and without restriction. Thank you PADI, for your understanding.

To assist with improving our marketing and communication to all members and stakeholders, we welcome Samantha Walton to the team to support Jeff Strang and Andrea MacFarlane with NZU matters.

The Board continues to develop the strategic plan to further consolidate Diver Safety, Underwater Sports and the Marine Environment.

Our clear focus is on the value that NZU can provide to its members, and we recognise that our communication needs improvement. Another major focus is the development of individual and corporate membership options in the year ahead.

In October, we started delivering a campaign driving the need for regular health checks in male divers over 40 with the funding support of Water Safety New Zealand. In addition, we are promoting dive flag use and awareness with Maritime New Zealand funding.

Thank you to Water Safety NZ and Maritime NZ for their support.

## GOVERNANCE AND STRATEGY

As advised at last year's AGM, the Board restructured the companies of NZU Inc into Limited Liability Partnerships. With the new NZUT LLP created, ownership of the building and trust bank account is now within this LLP structure. We thank Alan Warner for his assistance in resolving the Trust structure and the PADI agreement.

The organisation's short-term strategic initiatives remain the same. The Board retains a strong focus on key areas:

- Improving our communication
- Increasing our registered membership
- Developing opportunities to create better value for our members
- Promoting underwater activities

## THE WORLD UNDERWATER FEDERATION

NZU continues to maintain its membership of the World Confederation of Underwater Activities (CMAS), including membership of both the Scientific and Sport Committees and is looking at adding the Technical Committee membership for this year should instructors wish to utilise it.

NZU currently maintains membership within the Sports Commission with the Spearfishing, Underwater Hockey and Underwater Rugby Commissions.

The Scientific Committee's primary task is to bring into critical focus issues related to the marine environment: invasive species, coastal ecosystems, biodiversity observation and monitoring of divers around the world.

In fact, divers are the first and best witnesses of the underwater environment condition and play a significant role in marine environment protection.





## ENVIRONMENTAL & RESOURCE MANAGEMENT

NZU is routinely consulted as a stakeholder in consultations in the marine environment sphere, which is a positive indication of our activity and influence. Independent submissions were made in support of CRA2 as well as resource consent requests.

## AIR PURITY LIMITED

It has been a good year for Air Purity Limited with an increasingly strong relationship with WorkSafe being a highlight.

WorkSafe did issue a design approval withdrawal for SCUBA and SCBA cylinders manufactured from aluminium alloy 6351, which have an impact on Air Purity's financial performance. However it's a small price to pay to keep divers and hydro testers safe. For more information on this, visit the WorkSafe website (under news and media).

Finally, I wish to thank the directors of Air Purity Limited, as well as the efforts of Executive Officer, Andrea McFarlane, and Technical Manager, Steve Bishop, for all their work with the restructure and dealing with the WorkSafe withdrawal. Great work team.

## ACKNOWLEDGEMENTS

The lifeblood of our organisation continues to be our members. Week in and week out, members volunteer their time to:

- Train people interested in diving
- Remove barriers for people to experience marine reserves
- Organise events for members
- Assist athletes, young and old
- Get kids enthused about the beauty and diversity of our marine life

Thank you all for your invaluable work in achieving our common purpose. It is inspiring and must be recognised.

Maritime New Zealand, Water Safety New Zealand and WaterSafe Auckland are organisations whose ongoing support has helped us deliver our projects and continues to create greater participation, development and success.

The team of staff at the national office continue to live and breathe the various aspects of NZU and remain committed to achieving better outcomes for all. Thank you for your work and your support during the past year.

We are fortunate to have a Board with business and strategic expertise, coupled with varying levels of sporting or recreational experience. I acknowledge their time and commitment to NZU.

Thank you to all. We appreciate your time and dedication.

**Tristan Reynard**

President | NZU

## 2. ABOUT NZ UNDERWATER

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*Established in 1953, New Zealand Underwater (NZU) is the country's recognised leading not-for-profit organisation promoting and advocating safe and enjoyable underwater activities in a healthy marine environment.*

*Clean Oceans, Best Practice, Home Safe.*

### 2.1 KEY MISSIONS

- Drivers of marine safety messaging specifically as it relates to underwater sports and activities.
- Advocating and supporting marine environmental campaigns.
- Supporting NZ underwater clubs, specifically those involved in scuba diving and snorkeling, spearfishing and underwater hockey.
- Promoting participation in underwater sports and recreational activities throughout New Zealand.
- Lobbying government organisations on behalf of all New Zealanders, protecting and advocating for their interests in matters of safety, and the protection of the marine environment.

### 2.2 KEY PILLARS

#### Safety

NZU flies the flag for diver safety in New Zealand, managing essential services like the Dive Emergency Service (DES) while continuing to promote best practice on the water, and training and education.

#### Underwater Sports

Formed initially to represent the members of several regional underwater clubs involved in scuba diving, spearfishing and later pool sports like underwater hockey, NZU helps promote participation in all these activities while providing a range of administrative and lobbying services for these groups as needed.

#### Environment

The NZU is a recognised advocate for clean sea programmes, supporting environmental campaigns at a high level working directly with lobbying groups and providing a marketing platform for various aligned campaigns.

### 2.3 SUPPORTERS AND PARTNERS





# 3. GOVERNANCE

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## 3.1 NZU BOARD

**Tristan Reynard** – President

**Andy Stewart** – Board Member

**Mike Torr** – Board Member

## 3.2 ENVIRONMENTAL ADVISORY GROUP

**Andy Stewart**

**Dr Roger Grace** – EAG Member

**Jeff Strang**

## 3.3 SPEARFISHING NEW ZEALAND COMMITTEE

**Darren Shields** – President

**Jessica Barnett** (Whiddett) – Treasurer

**Reid Quinlan** – Secretary

**John Anderson** – Fish Records Keeper

**Ian Warnock**

**Graeme Heapy**

## 3.4 UNDERWATER HOCKEY NZ COMMITTEE

**Tony Colquhoun** – President

**Anton Williams** – Vice President

**Carol Dolman** – Secretary

**Lisa Thompson** – Treasurer

**Bruce Chamberlin** – Immediate Past President

**Nicole Baker** – Executive Member

**Sarah Arnold** – Executive Member

**Robert Feist** – Executive Member

**Rebecca Brosnan** – Executive Member

**Tristan Reynard** – Executive Member



# 4. OUR PEOPLE

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## 4.1 NZU ADMINISTRATIVE TEAM

**Andrea Macfarlane** – General Manager

**Steve Bishop** – Technical Manager/Advisor, Air Purity

**Jeff Strang** – Marketing/Media

**Samantha Walton** – Communications/Marketing

## 4.2 NZU LIFE MEMBERS

The below members have received lifetime membership for services to the underwater community, in areas such as diving, sports, environmental issues and governance.

1984	<b>Leo Ducker*, Clive Mudgway *, Fred Lennard &amp; John Calcott</b>
1987	<b>Max Hetherington*</b>
1990	<b>Allan Folwer*</b>
1992	<b>John Gallagher</b>
1993	<b>Alan Warner</b>
1994	<b>Rex Gilbert</b>
1995	<b>Steve Penn</b>
1998	<b>Bob Rosemergy, Brian Sayer</b>
2000	<b>Judy Johnston</b>
2002	<b>David Graham</b>
2003	<b>Dr Roger Grace, Bruce Carter</b>
2005	<b>Jeroen Jongejans</b>
2010	<b>Ray Dolman*</b>
2016	<b>Tony Kuiumdjian, Wade Doak</b>
2017	<b>Denis Adams</b>

## 4.3 AIR PURITY TEAM

**Steve Bishop**

**Andrea Macfarlane**

**Jeff Vincent**

**Brian Smith**

**Reuben Green**

*\*Deceased*

# 5. BY THE NUMBERS

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In 2018, NZ Underwater's total audience size continues to be central to its ability to attract funding from government organisations and corporate sponsors.

It is pleasing to report robust growth in both total club numbers and membership. Unfortunately, NZ Underwater is yet to see this increase reflected in the core metric of email subscribers. Club administrators can help the Association by encouraging newsletter sign-up and/or including NZU newsletter opt-in boxes on their membership forms.

With internal resourcing diverted to deliver on externally funded safety campaigns and critical environmental initiatives, organic audience growth on various NZU channels has also slowed. However, the recent employment of a professional communications person as part of the administration team has allowed a renewed focus on audience growth.

# CURRENT AUDIENCE POSITION AND GROWTH



April 1, 2016 – 2696  
March 31, 2017 – 3065  
March 31, 2018 – 2943  
YOY (year-on-year) change = -4%

## EMAIL NEWSLETTER VIA MAILCHIMP

Open rates continue to be well above industry averages. Click rates have risen year-on-year, which reflects the broader content range offered in each email. The slight decline in the total audience is a concern because it reduces the power of the platform when NZU applies for campaign funding from organisations like Maritime NZ and Water Safety NZ.

### How can you help?

Please recommend members sign up to the NZU newsletter. Consider including this recommendation with an 'opt-in' checkbox on your club's annual membership form.



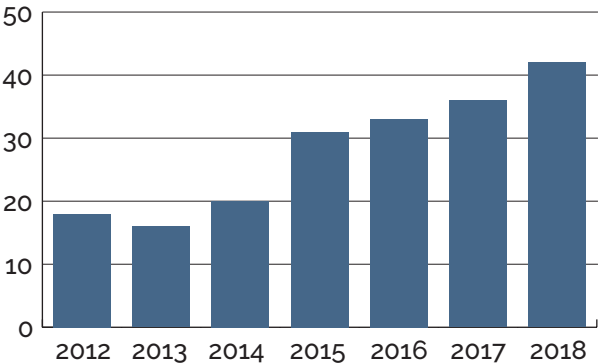
March 31, 2017 – 40,803  
April 1, 2018 – 43,500  
Growth = 6.61%



## FACEBOOK AUDIENCE

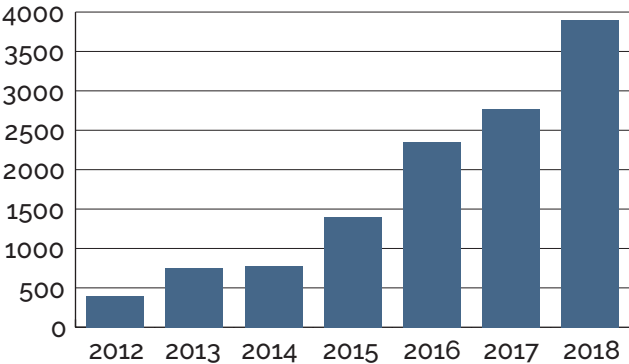
Social media growth has slowed with NZ Underwater's resources redirected to safety and environmental matters.

## NZU CLUB GROWTH



(graph data measured at year-end March 31st)

## NZU CLUB MEMBER GROWTH

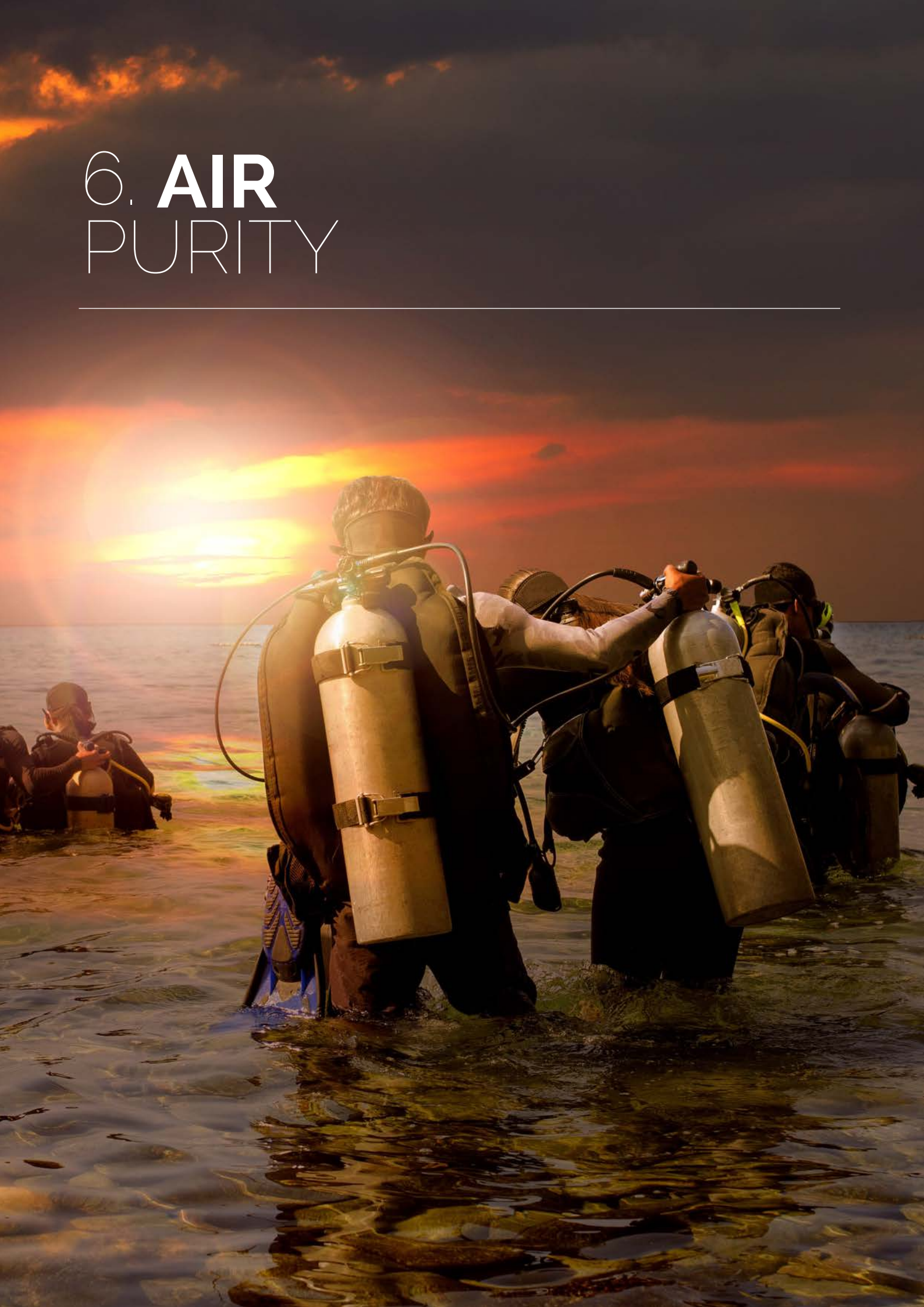


In many cases New Zealand Underwater is not receiving membership numbers from clubs so total numbers may be significantly higher.



# 6. AIR PURITY

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Air Purity Ltd (APL) is 100% owned by New Zealand Underwater Association (NZU).

APL continues to represent NZU in the accident and safe diving area with WorkSafe NZ and Maritime NZ and the SF017 standards committee. APL continues to improve its service to the dive sector and is a valued asset for the NZU.

The company announces another solid year of trading, year ending March 2018.

As discussed at the 2017 AGM, APL was restructured into a limited liability partnership. The net effect of the structure was the replacement of a dividend payment with a license fee payable to NZU.

## HEALTH AND SAFETY

The Health and Safety at Work Act (HSWA) commenced 1<sup>st</sup> April 2016. The revised compliance rules in New Zealand have resulted in growth for the NZU air fillers programme, with individuals and divers now understanding their legal obligations.

WorkSafe NZ enforceable sanctions via court judgement can be severe and have changed for the PCBU. Fines have increased to \$50,000 per infringement. Individual penalties of \$9000 remain unchanged.

## CYLINDER UPDATE

Days after the last AGM, WorkSafe NZ released a 'cylinder design approval' withdrawal notice. See the WorkSafe website for the withdrawal notice.

## TRAINING

NZU continues to offer an industry-specific certificate for **Masters of Small Commercial Dive Boat (MSCDB)** training nationwide, for vessels up to 6 metres in length. An individual working within the dive industry or a current financial member of NZU can hold the certificate.

The **Dive Activity Supervisor (DAS)** qualification is a standalone course covering topics such as recognition of diver medical issues, use of nautical charts, basic seamanship and how to summon help in an emergency. This course is open to the public. Participation in NZU DAS courses could save somebody's life.

I acknowledge the Board of Directors for their support, dedication, time and effort afforded to APL during 2017/18.

### Steve Bishop

Technical Manager and Advisor | Air Purity







# 7. DIVER SAFETY

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## 7.1 WATER SAFETY NEW ZEALAND

Drowning continues to be the third highest cause of accidental death in New Zealand.

CEO Jonty Mills says, “The downward trend of preventable drownings flattened in 2006 and drowning-related hospitalisations have been increasing year-on-year for over a decade”.

An increasingly diverse demographic with growing participation rates in aquatic activities has caused the landscape to become more complex, creating stress on the sector as it tries to meet these changing demands.

Water Safety Sector Strategy 2020 sees the organisation investing more heavily in research as well as continuing to invest in safety campaign across a broad range of issues.

NZU currently has Water Safety NZ funded campaigns in play and has applied for further funding in the 2018/19 year.

Reference: WSNZ Prospectus Investment Programme 2018-19

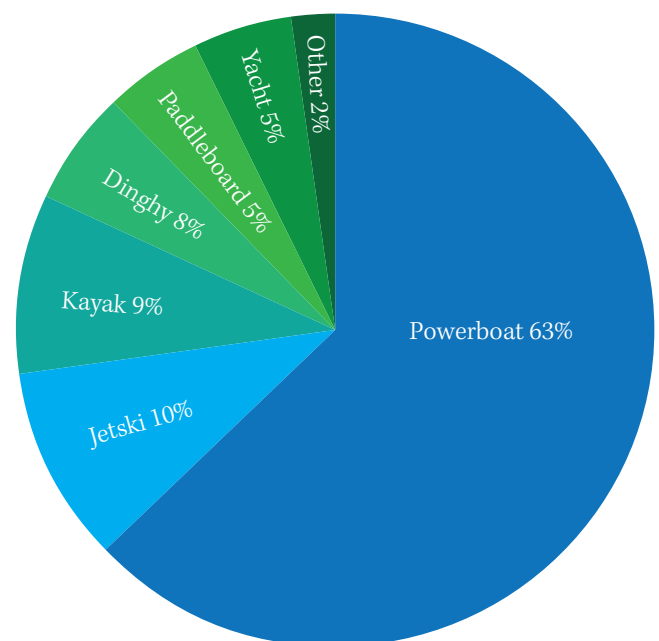
## 7.2 MARITIME NEW ZEALAND

### SUMMARY OF MARITIME NZ ON-THE-WATER SURVEY 2017

Data collected between 1 December 2016 and February 2017

- 1505 surveys conducted by council and MNZ staff
- Data returned covering eight council areas
- A high level of compliance was noted during the campaign

### BREAKDOWN OF VESSEL TYPE



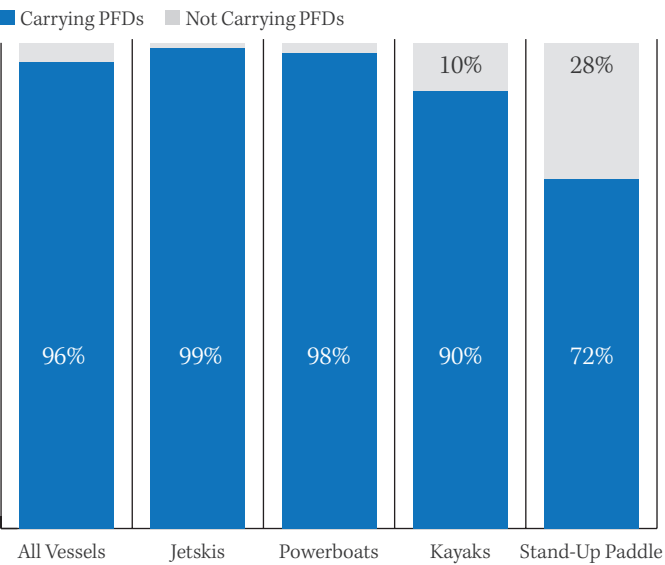
### DEMOGRAPHICS

- 85% of vessels had a male skipper
- 11% of vessels had a female skipper
- Most common male age ranges were 31-40, 41-50 and 51-60 (20% each)
- Most common female age range was 21-30 (40% of all female skippers)

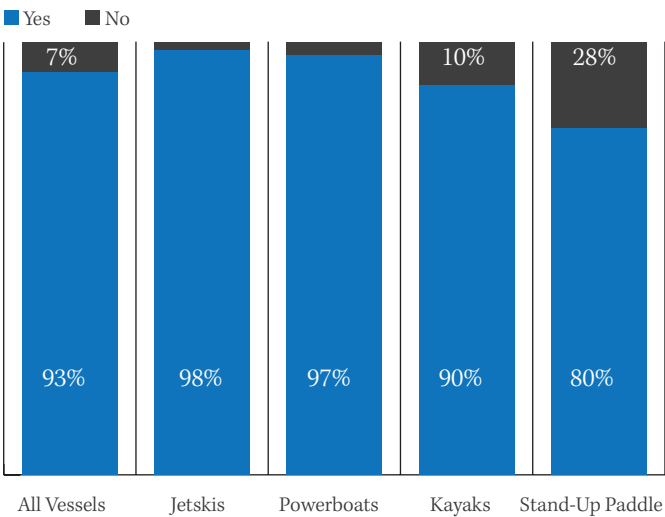
### WHO'S USING WHAT?

- Male: primarily powerboat users (69% of males)
- Female: primarily paddle craft (52% of females)
- Females were the recorded user of 43% of all paddle craft

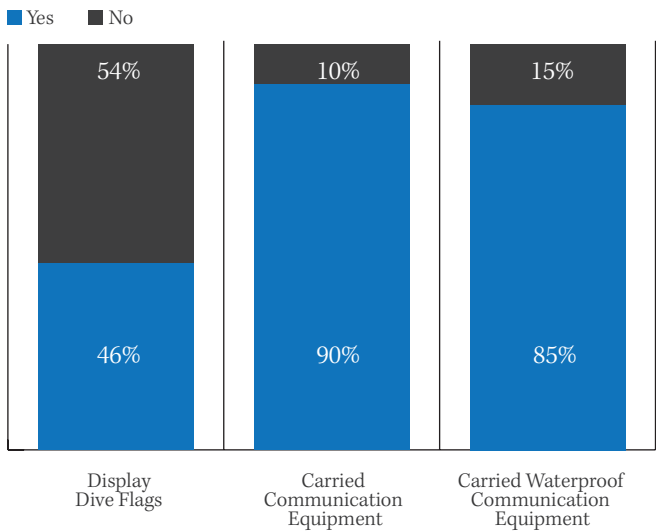
PFD CARRIAGE ON VESSELS



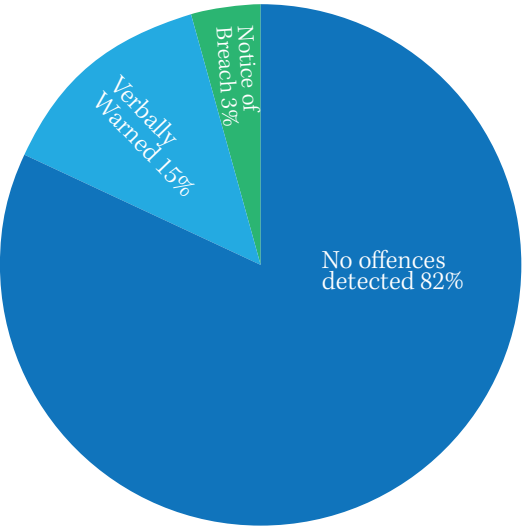
PFD USE WHEN LAWFULLY REQUIRED



OTHER BEHAVIOUR



OUTCOMES



FOOTNOTE: 46% were given education material (nearly 700 skippers!)



### 7.3 REPORT FROM BRUCE ADAMS – POLICE NATIONAL DIVE SQUAD

Currently the Police National Dive Squad is investigating 11 diving fatalities, including three free divers. A further three investigations have been submitted to the Coroner.

As these matters are yet to be heard by the Coroner holding inquests, no specific detail can be offered. However, themes common to the past are present in these tragic events.

From 2006 to 2016, 57 fatalities were investigated by PNDS. The top avoidable issues found were:

- Did not ditch weight belt - 42 instances
- Did not dive with a dive buddy and remain with the buddy including during the descent and ascent - 29 instances
- Ensure persons are medically fit to dive - 23 instances (Note: Dive medicals must be done on a regular basis and redone if there are any changes in health)
- Divers not ensuring they are correctly weighted and are neutrally buoyant on the surface - 21 instances
- Incomplete pre-dive equipment tests on own and dive buddy's equipment - including for leaks, size, air quality - 19 instances
- Plan to be on surface when contents reach 50Bar - 17 instances
- Divers should not dive with faulty equipment if a fault is detected pre-dive - 15 instances.

We need to do better and there are several simple steps people can take to better protect themselves and their loved ones.

It is important that we all take steps to reinforce these key safety messages and practices; only good outcomes can come from doing so.

This includes setting examples to others when we are out diving, the reinforcing of safe practices during training and highlighting the need for them, discussing and adopting practices at club and group levels.

The following steps should be followed when considering heading out for a dive:

1. Dive with a buddy and stay together at all times.
2. Abandon your dive when an issue arises – don't wait for any issues to develop into a more difficult situation.
3. Abandon weights in an emergency.
4. Get equipment serviced before heading out.
5. Get yourself a check-up with your GP to discuss any medical issues or medication, and whether it is safe to dive taking those into account.
6. If you have been out of the water for some time, build up to deeper dives and get some refresher training.
7. Do not go out (or persist) in risky conditions – if it is not calm and enjoyable, save it for another day.

### TRAINING

All those new to diving should ensure they use a recognised dive training provider. It might be tempting to only get a few tips from a friend or family member before heading out, but it's vital to ensure you're getting the most up-to-date training available. A recognised trainer can provide this service. You owe it to yourself and your loved ones to make sure you get home safely.

### FURTHER BOATING SAFETY

If you're heading out in a boat or dinghy, you need to follow the five rules of the boating safety code:

1. Everyone in the boat should ALWAYS wear a life jacket.
2. Take two waterproof methods of communication.
3. Check the marine weather forecast before you head out.
4. Safe boating and alcohol do not mix; stay alert and aware.
5. Remember that the skipper is responsible for the safety of everyone on board and the safe operation of the boat – stay within the limits of your vessel and experience.

## 7.4 0800 4 DES 111

The Diver Emergency Service (DES) is a 24 hour, seven days a week hotline for advice and treatment of all diving related incidents, accidents, or injuries, including the emergency management of decompression illness.

The phone number is manned by medical professionals with a diving doctor on call and remains a crucial part of diver safety management in New Zealand.

## 7.5 MEDICAL LIBRARY FOR DIVERS

The NZU Medical Library for Divers continues to be made available online via the NZU website.

Topics covered include:

- Scuba diving explained
- Diving and shallow water blackout
- Epilepsy and diving
- Asthma and diving
- High blood pressure (hypertension) and diving
- Coronary artery disease and diving
- Flying after diving
- Women and diving
- Are women more susceptible to decompression illness (DCI)?
- Pregnancy, breastfeeding and diving
- Menstruation and diving

This important information database is promoted to the general diving audience and helps reinforce NZU's relevance in the wider diving community, along with the promotion of 0800 4 DES 111.

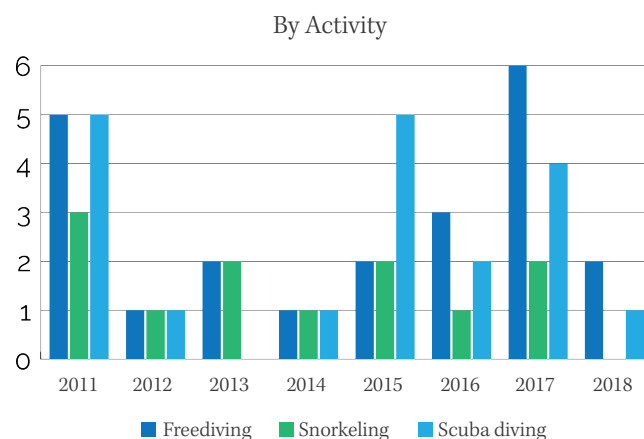
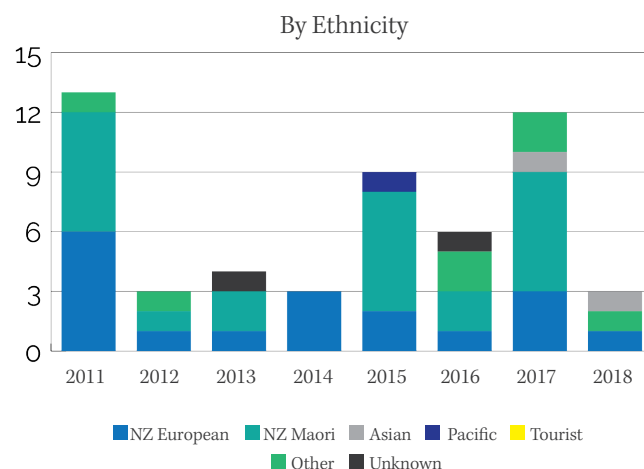
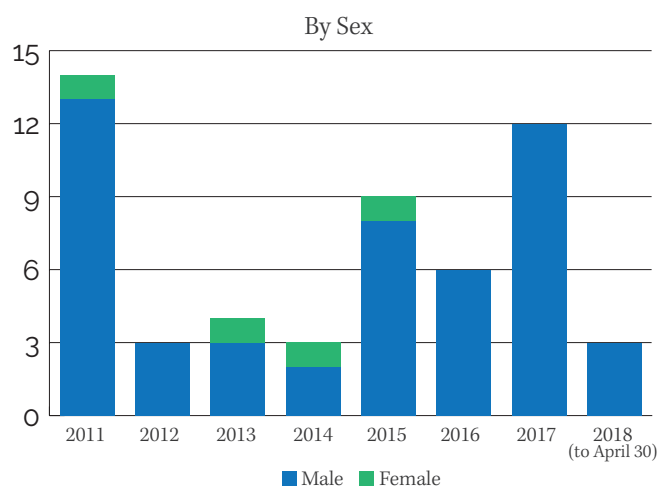
## 7.6 2017 – 2018 DIVER SAFETY & ACCIDENTS

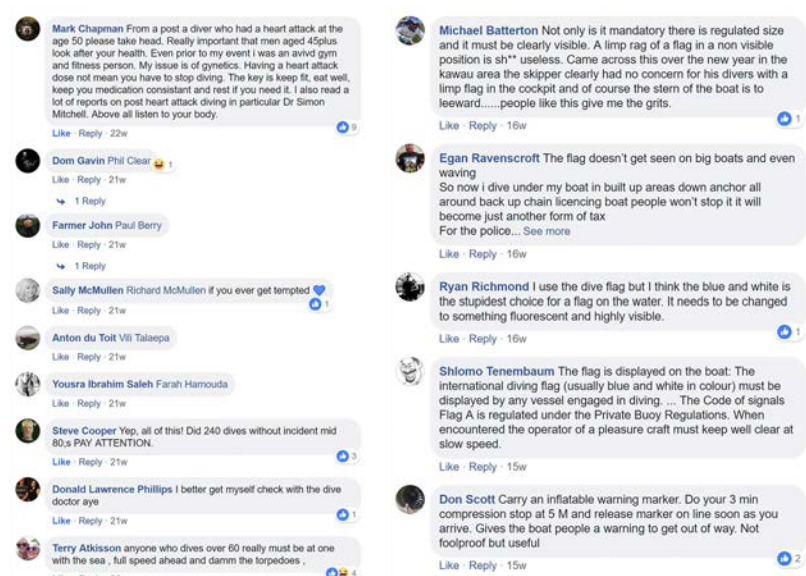
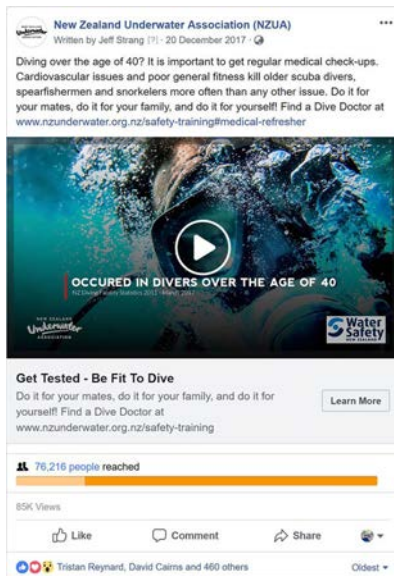
2017 and 2018, again have experienced increased diver fatality rates compared with the relatively low incident levels of 2012, 2013 and 2014.

Male fatalities still dominate, a statistic reflected by the funding allocation priorities of Water Safety in areas of high risk, such as diving.

The last three years have seen a significant jump in free diving incidents, possibly reflected in the increasing popularity of spearfishing.

## 7.7 DIVING FATALITY STATISTICS 2011 TO 30TH APRIL 2018





## 7.8 FLY THE FLAG – DIVE FLAG AWARENESS CAMPAIGN – 2017-18

Funded in 2017/18 by Maritime NZ, the ongoing Diver Down Awareness campaigns, which include this summer's 'Fly The Flag' initiative, have run almost continuously since an intensive 5-week programme beginning October 2015.

NZU recently opted to invest more heavily in this core diver safety area in the 2017 and 2018 years.

### KEY MISSIONS

**RECREATIONAL SKIPPERS:** Promote recognition of the dive flag, its meaning and the maritime rules applicable when the dive flag is present.

**DIVERS & SPEARFISHERMEN:** Drive routine and consistent use of dive flags by underwater users. Increase awareness of the options available for a range of activities.

**OTHER WATER USERS:** Increase awareness outside the diving community of the need to fly a dive flag when engaged in open water swimming activities.

### SOCIAL MEDIA

The campaign enjoys continuous and varied implementation on the Association's key social media platform – organic audience size 43,500.

#### Page Header

Several 'Fly the Flag' images were deployed as the header of the NZU Facebook page since December 2016. This policy remains in place.

#### Promoted Video

The hero 'Fly The Flag' video has been viewed 56,000 times on the platform, with a further 110,000 impressions. A targeted audience of males and females interested in underwater

sports was used to anchor the paid promotion. Males aged 25 to 54 responded best to the promotion, representing almost 50% of all views. Commentary and engagement exceeded expectations with numerous clarifications requested.

#### General Posts

Image-based posts were created or shared by NZU on a regular basis. It was good to see companies like Honda and Stabicraft supporting the campaign with material.

### GOOGLE DISPLAY NETWORK

The Google Display network allows for the programmatic deployment of multiple ad formats across a range of local websites based on user's browser preferences, behaviours, and multiple relevant data points.

For the 'Fly the Flag' campaign, a small budget was allocated to high-interest sites such as MetService.co.nz and marine news on Stuff.co.nz and NZHerald.co.nz. The audience was highly targeted for optimised ad relevance, which drives up the cost of impressions but also ensures the people most likely to be influenced are reached.

More than 1,200,000 ad impressions were delivered during the summer campaign.

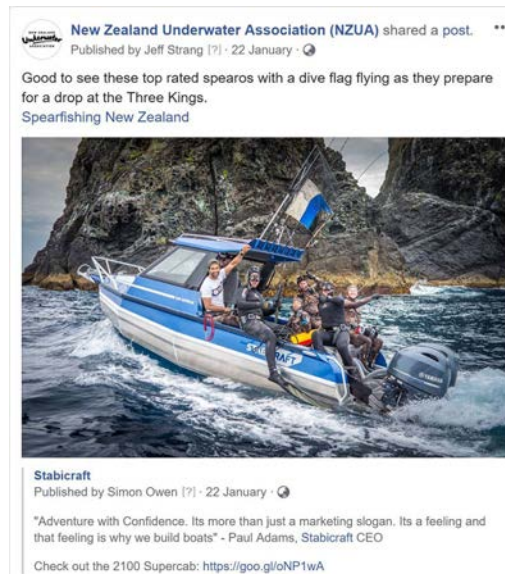
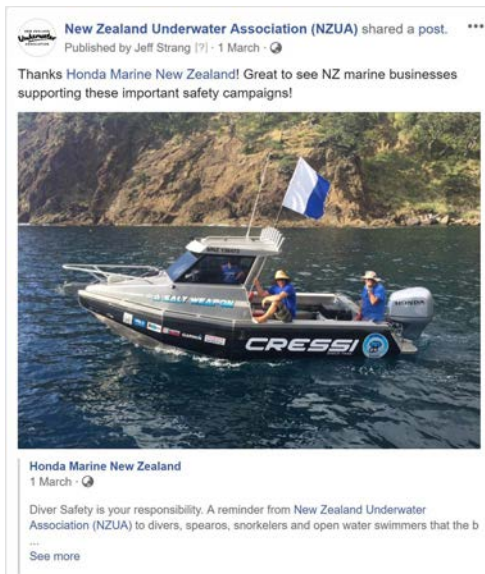
### VIDEO PRE-ROLL ADVERTISING

The 'Fly the Flag' hero video was deployed on the YouTube pre-roll network to a similarly targeted audience of divers, spearfisherman, open-water swimmers and recreational vessel skippers.

This execution is viewed as the most successful component of the 'Fly The Flag' campaign to date, delivering a view-rate greater than 70% in the target audience for a total 71,000 views. This figure takes total video views for the 'Fly the Flag' campaign to 127,000.

The hero video can be viewed at [youtu.be/VVqQXWpdU0g](https://youtu.be/VVqQXWpdU0g).





## LONGFORM EDITORIAL NATIVE MARKETING

Long form native marketing is editorial and image-based, and deployed on news sites via programmatic tools with regional targeting.

For 'Fly the Flag', NZU has enlisted the assistance of respected retailers and dive professionals to craft educational material on the various forms of dive flag signalling device available for various applications, particularly the high-risk activity of shore and boat-based spearfishing. Such activities involve long surface intervals and are characterised by the low visibility of the participants.

This component has been developed and is scheduled for deployment.

### 7.9 GET TESTED - FIT TO DIVE – WATER SAFETY NZ FUNDED DROWNING PREVENTION CAMPAIGN – 2017-18

'GET TESTED - FIT TO DIVE' is a behaviour change campaign currently underway and managed by NZU to ensure males aged 45+ engage in routine health checks before diving, spearfishing and snorkelling, particularly when returning to underwater activities after a hiatus.

Primary issues addressed:

- Heart health
- General health and fitness

The campaign covered all diving activities including scuba, free diving, spearfishing and snorkelling.

## SOCIAL MEDIA

The hero 'GET TESTED – FIT TO DIVE' video garnered 212,544 impressions over 74,000 people. Total video views exceeded 86,000.

Given the pre-set target audience is male divers over the age of 45 – a much smaller subset of the total diving audience in Facebook – NZU is particularly pleased with this result.

The engagement was also high with 450 likes, 152 shares and 52 comments, mostly very positive in relation to the topic.

## GOOGLE DISPLAY NETWORK

Like the 'Fly the Flag' campaign, a larger budget was allocated to high-interest sites such as MetService.co.nz and marine news on Stuff.co.nz and NZHerald.co.nz as well as the wider web display network in NZ.

Again, the target audience was much smaller than with 'Fly the Flag', as it focussed on only divers over the age of 45. Regardless, the campaign has 4,129,175 ad impressions delivered to date, making this the largest campaign in recent NZU history, probably all time.

## VIDEO PRE-ROLL ADVERTISING

The GET TESTED – FIT TO DIVE video was deployed on the YouTube pre-roll network to an aforementioned audience of older divers.

While not as successful in this format as 'Fly the Flag' the video pre-roll ad still enjoyed greater than 17,000 30-second views.

Combined with Facebook, this gives a total of 103,000 video views. The hero video can be viewed at [youtu.be/R1QB0ysli08](https://youtu.be/R1QB0ysli08)



# 8. **MARINE** ENVIRONMENT

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# CRAYFISH UPDATE

LegaSea ran a public survey in early 2017, revealing severe concern about the health and numbers of the crayfish population and habitat in the area from Te Arai Point to East Cape, Northland (known for management purposes as CRA-2). This resulted in a review of crayfish catch limits for several areas by the Minister of Fisheries. A decision was reached in March 2018 to change the restrictions in specific areas:

As per 1 April 2018, the Total Allowable Catch (TAC) and Total Allowable Commercial Catch (TACC) will be reduced significantly in CRA-2, and, to a lesser degree, in CRA-7 (Otago) areas. The catch limit is increased for CRA-4 (Hawkes Bay to Wellington) and CRA-8 (Southern).

NZ Underwater, LegaSea and all the supporting stakeholders including Spearfishing NZ as a directly affected user group, would like to thank NZU members for their support.

While full closure was an option available to the Minister, it was not an option presented by the Ministry during the consultation. NZ Underwater is pleased with the direction of this result, and that the hard work and dedication of many interest groups and stakeholders is driving biodiversity-related progress.

For more details on the new catch limits and to read the full Ministry of Primary Industries report, see the article on the NZU website.

## CR-4, CR-7 AND CR-8 CONSULTATION

While NZ Underwater is pleased with the positive direction of this decision towards replenishing our crayfish population, we feel that the other areas (CRA-4, CRA-7 and CRA-8) deserved the same level of consultation and public visibility as CRA-2.

The lack of data for these areas means NZ Underwater is unable to make an informed and democratic submission for these zones, or comment on the decisions made on the new catchment limits. The Association requested a further 90-days to conduct a public consultation on the areas in question, but this was denied by the Ministry.

The science suggests that CRA-4 is highly likely to be fundamental to the repopulation of crayfish in CRA-2, and more information and research on the health of CRA-4 is required to ensure that no essential crayfish breeding grounds are overfished.

NZ Underwater is therefore conducting an independent public survey to submit to the Ministry for ongoing and future considerations of fishing allowances in CRA-4, CRA-7 and CRA-8. LegaSea agrees with this action and is encouraging feedback also.

This survey is intended to collect information on diver/fisher experiences in these areas with the goal of providing a similar level of data to the CRA-2 consultation. The feedback will be collated into a report that will be made public on our website and presented to the Ministry of Fisheries.

*Image: Crayfish in Project Reef in South Taranaki,  
by Bruce Boyd*

# WASTE AND STORM-WATER DISPOSAL

NZ Underwater has been actively encouraging public input on council consent processes regarding waste and storm-water disposal, to ensure the feedback they receive is representative of the public it affects.

*Wellington Water* is currently asking for feedback to form part of a request for renewal of their consent to discharge wastewater overflow at Bluff Point. NZU created a survey to provide an easy way for people to provide feedback, via an article on our website.

*Auckland Council* applied for discharge consent for an Auckland-wide stormwater network, for the 'Healthy Waters Department' (responsible for managing the public stormwater network across Auckland). This application included both existing serviced urban and rural/coastal townships and future urban areas and townships that are maintained by the public stormwater network.

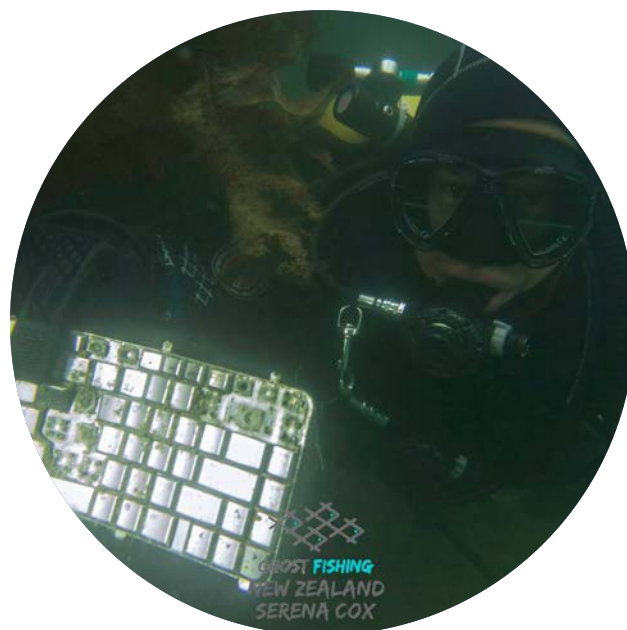
NZ Underwater felt that the information and documents provided for this consultation were numerous and complex, and so not conducive to encouraging public feedback. We requested more time to adequately process the data and compile an official submission of our own. The request was rejected with the following response: "The submission period was ten

working days longer than normal, at 30 working days. We can't legally notify more than 40 working days and extending the notification period would attract a significant cost."

It is vital that the public provide official submissions on these consents, as they can make the difference between a consent approval or not. This is a tangible way for the community to affect environmental outcomes and encourage organisations to consider the effects of actions on the underwater habitat.

*Silverfern Farms* - NZU has confirmed the pipe and discharge is owned by Silver Fern Farms, and the image circulating on social media is authentic. NZU will continue to investigate the matter.





# GHOST FISHING NEW ZEALAND

'Ghost Fishing' is what fishing gear does when it has been lost, dumped or abandoned. Nets, long lines, fish traps or any human-made contraptions designed to catch fish or marine organisms are considered capable of ghost fishing when unattended. Of course, in New Zealand, the problem also includes rubbish and debris thrown, blown or dumped in our oceans and coastal marine environments.

Ghost Fishing New Zealand (GFNZ) is a 100% voluntary organisation whose primary goal is to undertake clean-up initiatives while engaging in an active approach to education, conservation and exploration and the marine environment. GFNZ is part of an international organisation who collaborate worldwide with various groups of technical divers and salvage companies to remove lost fishing gear. GFNZ has a slightly different focus, in that any rubbish, debris or litter found on the sea floor is removed.

With clean-up events planned every 1-2 months, GFNZ is exceptionally pro-active in its underwater and shore-based clean-up operations. Its efforts are focused in the Wellington Region and to date have included the removal of thousands of kilos of human-made rubbish. This has included traffic cones (literally hundreds!), shopping trolleys, cans, bottles,

car and truck tyres, cellphones, laptops, toilets, mountain bikes, fishing rods/reels/hooks/lines and sinkers, cray pots, shoes, plastic wrappers, and wine glasses to name but a few. GFNZ utilises the in-water expertise of technical and recreational scuba divers and free divers supported by onshore shore teams.

GFNZ welcomes helpers and members of the public. For more information about upcoming events and activities, visit its website, Facebook page or drop an email to [gfnzmanagement@gmail.com](mailto:gfnzmanagement@gmail.com).

## **Dr Serena Cox**

Marine Biologist | Ghost Fishing NZ

*Image: Bruce Rawhiri with dumped keyboard on Ghost-Fishing clean-up mission, by Serena Cox*



# MUSSEL REEF RESTORATION PROJECT

Once forming massive reefs, green-lipped mussels in the Hauraki Gulf were largely responsible for filtering and cleaning the water in the Gulf and providing protected habitats for a variety of sea life, including eagle ray and octopus, and acting as nurseries for juvenile fish.

A single mussel can filter up to 350 litres of seawater daily, but historical over-farming and increased pollution and sediment from discharges and runoff has led to a significant deterioration of the water quality in the Gulf, and the habitat of marine life as a result.

Revive Our Gulf is raising awareness and fundraising to replenish mussel stock and restore the Hauraki Gulf habitat to its former glory. NZ Underwater, as an official partner of Revive Our Gulf, will continue to provide marketing, media and diving expertise to further on-going promotion and monitoring.

In August 2017, members of the Okahu Bay Restoration Project and Ngati Whatua Orakei, with volunteers from NZ Under-

water, used hand-woven flax ropes seeded with mussels in an attempt to revive the mussel population in Okahu Bay.

In November, Revive Our Gulf installed five living fish nurseries around Mahurangi Harbour, by laying 50-tonnes of mussels on the seabed. Pilot mussel beds established in 2016 were a huge success, with baby snapper, koheru, goatfish, spotties and even squid seen using the beds.

Fundraising is underway with the goal of expanding the beds over the next three years. The money will be primarily spent on mussel stock and transport, but a small portion will be used to fund research, monitoring and habitat surveys to optimise their efforts.

*Images: Mussel Bed Restoration Mahurangi & Mussel Bed Restoration Okahu Bay, by Shaun Lee*



# PROJECT REEF LIFE

Project Reef Life was born in 2015. It's made up of passionate volunteers; the South Taranaki Underwater Club, marine scientists, iwi, students and the wider community who engage through a variety of channels with Project Reef Life's research and discoveries.

The Project Reef is situated 11km offshore and 23m deep. Project Reef Life is the first to have conducted diver-led scientific research on South Taranaki sub-tidal reefs, and its in-situ camera is the first of its kind.

In the last year, Project Reef Life has received congratulations from the Minister for the Environment and Minister of Conservation 'for raising awareness of the unique qualities of the sub-tidal reefs at South Taranaki'. Project Reef Life also enjoys generous media attention in the Wanganui Chronicle, Waterfront Magazine, and North and South Magazine (November 2017 issue). It offers a new YouTube channel to make it easier to follow our videos.

Students from Patea Area School and Hawera High School conducted fishing surveys at the Project Reef, recording and analysing data to be compared to previous years for trends. Samples are sent to NIWA scientists for microscopic study and identification.

The Project Reef Life Hawera High School ambassadors and project team members have been presenting at primary schools in the region and have been invited to present their findings at AGMs, clubs, environmental groups, and at a 'Sea Week' event hosted by Project Reef Life in Hawera.

The Project Reef has been added to the Taranaki Regional Council's draft Coastal Plan as an 'area of outstanding natu-

ral character'. In addition, information on the Project Reef was used in a discussion at the recent EPA Hearing on an application by Trans-Tasman Resources Limited to extract and process iron sand within the South Taranaki Bight. The importance of the Project Reef was recognised by decision-makers, as it was added to Schedule 2's monitoring sites for Condition 5 (environmental limits for sediment). The Project Reef was not included in Schedule 4's monitoring sites for Condition 7 (environmental limits for benthic ecology).

The South Taranaki marine environment presents engineering challenges for equipment. We will be designing and building our robust in-situ camera housing unit to withstand the conditions for potential future cameras we hope to be able to fund. The resulting footage will lend itself to further research.

Various rare sea life has been seen at or near the Project Reef, including an eagle ray, blue penguin, whales, and eight pre-adult giant boarfish were caught on camera for the first time.

Exciting upcoming Project Reef Life news includes a TEDx talk on 22 July by joint project lead Karen Pratt about her journey with Project Reef Life. Puke Ariki is planning a new permanent exhibition featuring Project Reef Life, that will be in the Taranaki Naturally gallery in 2019. At over 200,000 visitors a year, this is an excellent opportunity to share our work. We have also received funding from Creative Communities New Zealand to do a mural in Patea.

*Image: Recent photo of sea life in Project Reef,  
by Bruce Boyd*







# 9. **SPEARFISHING** NEW ZEALAND

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*Encouraging, promoting and advocating for safe, responsible and sustainable use of New Zealand's natural fisheries resources by recreational spearfishers.*

## **RUNNING SPEARFISHING NZ**

Thank you to Spearfishing NZ's committee: Reid Quinlan (Secretary), Jess Barnett (Treasurer), John Anderson (Fish Recorder), Ian Warnock and Graeme Heapy.

We have introduced a more inclusive, common-sense approach to the running of Spearfishing NZ by defining precisely what we are about, protecting and aligning events the organisation owns and ensuring ease of handover for future committee members.

At this year's AGM, I put forward a motion that a president should only be allowed to stand for a maximum of four years, to ensure clear thinking and new ideas are introduced with the term. This motion was voted in unanimously.

## **SPONSORSHIP**

Spearfishing NZ has signed up Honda Marine as a naming rights partner this year. It has been brilliant to have them on board; it's been a great partnership.

## **EVENTS**

The Honda Marine 2018 Nationals was a committee-run event based at Tryphena Harbour on Great Barrier Island. The local Mulberry Grove School were involved as a camp, auctioning the fish and preparing and serving dinner at our awards. They raised close to \$9000 for the school - a great outcome.

The Nationals included divers from Portugal, Greece, New Caledonia, Hawaii and America, thanks partly to Mal Bird and the Cressi team. The divers from Portugal and Greece were a past world champion and current world second respectively.

The winners of the men's team were Scott Mackereth and Dwane Herbert followed closely by Jackson Shields and Paul Best with Julian Hansford and Mal Bird 3rd. The winner of the

women's team was Gemma Cookson, with the Juniors taken out by Tyler Maughan.

A team was chosen from this for the Inter-Pacific Champs in Hawaii and it was one of the best-supported teams with which I have been involved.

There were six past NZ Spearfishing champions, either as managers or as supporting crew on the trip and this exceptional support was reflected in how well we did.

Our girls Alex Edwards and Jenn Janzen blew the opposition away by taking out the Inter-Pacific Women's Champs, a first ever for a travelling NZ Women's team.

The Boys' team of Jackson Shields, Scott Mackereth, Karl Botema, Sam Power and Callum Relph had a challenging first day but came back to take 2nd place on day two, making them 4th overall. To beat all the other tropical teams, other than New Caledonia, on day two was a tremendous effort. New Caledonia were the overall winners.

A special mention must go to Steve and Vicki Crabtree, first time managers for the Men's team. They did an unbelievable job and set a new standard in the organisation, with John Anderson stepping up to help get the teams to their dive destinations with some early morning runs.

The Splash Catfish Cull in Lake Taupo was another record event with over 300 competitors turning up. We had two new winners this year, Ben Jamieson and Aaron Dixon. Aaron Dowman, Haden Salmons from Splash and Pat Swanson did a great job as organisers.

The Honda Marine South Island Champs run by Sam Murray and Lee Dobson at D'Urville Island was a fun event.

*Image: Women's Spearfishing Team, winners of the Inter-Pacific Champs in Hawaii: Jenn Janzen (left) and Alex Edwards, by Darren Shields*



Jackson won it with Darren Shields, with the South Islanders Mark Roden and Josh Craig taking out 3rd place overall and top South Island Pair.

The Splash North Island Champs held in Wellington had another solid tournament with Dave Mullins and Todd Herbert taking out the top spot.

The Far North Champs organised by the Port Valley club was won by Alex Edwards and Darren Shields.

## **WORLD CHAMPS 2018 PORTUGAL**

Ian Warnock has been appointed Manager for the World Spearfishing Champs in Sagres, Portugal, in September. A team was selected by a panel and events since then have generally endorsed the team's selection.

Committee members are working on a ranking system of our spearfishers as a back-up for future NZ teams that may not be able to have a selection trial. Initially, the system appears to be a good solution moving forward. More on this as it develops.

## **WORLD FRESHWATER SPEARFISHING CHAMPS TAUPO 2019**

NZ secured the rights to host the next World Freshwater Champs here in Lake Taupo. The event will be targeting catfish - a pest in the lake.

We have registered interest from all over the world, that will no doubt showcase what NZ has to offer. Stay tuned for more as this event develops.

## **LIFETIME MEMBERSHIP AWARDS**

This year Spearfishing NZ awarded Judy Johnson and Chris Browne lifetime memberships in recognition of their contribution to spearfishing over the years.

To sum up our brilliant year, team support is very high, and we have a constructive committee that has steadied the ship. There are many talented and senior spearos contributing as Hawaii showed. The next year looks bright.

### **Darren Shields**

President | Spearfishing NZ

*Images (left-right): The winner of Women's Splash Catfish Cull Kat Mager, with Hayden Salmons from Splash.*

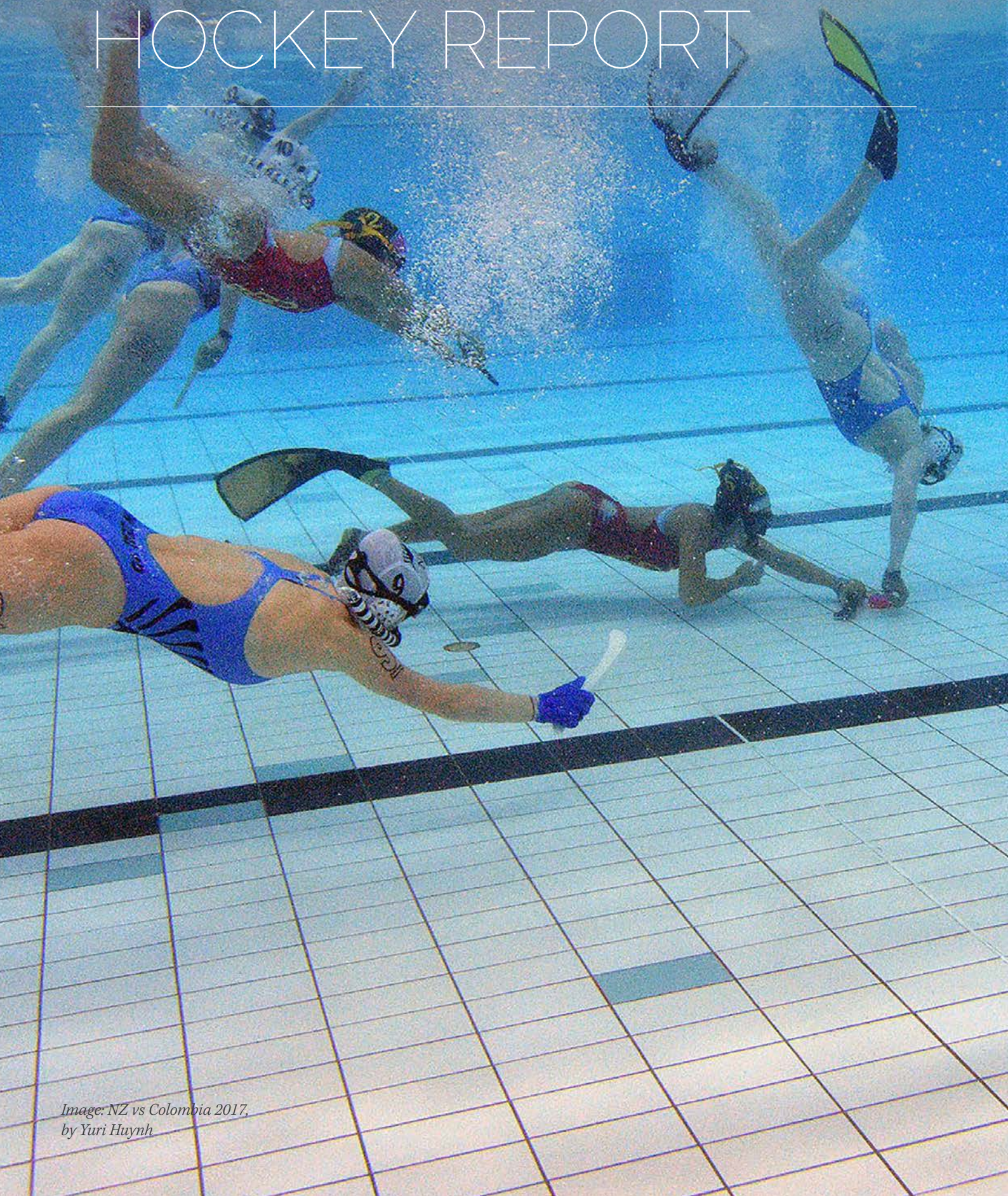
*Sam Powers part of the Men's NZ Spearfishing team with a giant trevally speared in Hawaii.*

*Mother and son Annie and Coby Herbert at this year's Honda Marine Nationals.*



# 10. UNDERWATER HOCKEY REPORT

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*Image: NZ vs Colombia 2017,  
by Yuri Huynh*



## *Both our under-19 and under-23 women's teams won gold at the Age Group World Championships 2017*

2017 was a challenging year for Underwater Hockey New Zealand Inc (UWHNZ), with many activities and initiatives undertaken in the year.

We enjoyed great success across many fronts, but several challenges identified in 2016 still exist. While we have done considerable work, there is still more to do to gain the necessary benefits.

### **UWHNZ ON THE INTERNATIONAL ARENA**

At the Age Group World Championships held in Hobart, we celebrated the success of our two Women's teams (Under 19 and Under 23), where they both won gold and are World Champions. The two Men's teams (Under 19 and Under 23) performed very well but came up short with a 3rd and 4th respectively.

Our Elite teams are working hard to give strong performances at the World Championships in Quebec in July. They will be joined by a Men's Masters team, which is the first time we have a Masters team at Worlds since 2004. The attendance by the Men's Masters team is a major achievement and we look forward to having both Men's and Women's teams at Worlds in 2020. We wish all three teams well in their endeavours in Quebec as they represent New Zealand.

### **DOMESTIC HOCKEY**

The New Zealand tournaments continue to be a success story for the sport with growth in these events. It was great to see the reinstatement of the South Island Inter-Club tournament that was held on a Saturday in July. It was a fantastic tournament with teams from Nelson to Invercargill and enjoyed by all, especially those school players attending their first ever club tournament. We are all committed to ensuring this tournament is held every year.

The Schools tournaments continue to grow and there is a noticeable improvement in the competition and quality of the hockey played – as shown in the Senior Girls final at Schools Nationals, won 2-1 by Wellington East Girls after 22 minutes of extra time. We must also acknowledge the feats of Tauranga Boys College in winning both the Senior and Junior Open grades. Epsom Girls Grammar ensured an Auckland champion in winning the Junior Girls grade.

### **MEMBERSHIP**

Overall membership numbers for 2017 have increased slightly, especially in the mid-Northern region. We moved to a new membership system in 2017 and encountered some teething problems, which have been eliminated. Further systems will be in place to ensure that all players at the

## UNDERWATER HOCKEY CONT...



UWHNZ tournaments are members and that we have a full record of their details.

### INITIATIVES

The Executive Team continues to work on some key initiatives, which will be implemented shortly, to grow support and provide better benefits to you, our members. These initiatives include:

- New coaching courses
- Implementation of the 'Player Council' to assist the Executive Team with various issues
- A full review of the referee course and our current model on referees at tournaments
- A joint administration resource with New Zealand Underwater.

Underwater Hockey NZ is very lucky to have an Executive Team continuing to put endless hours into the sport they love. The sport, in return, is grateful for the time and effort put in over the year.

Our full Annual Report can be found in the Admin section of the NZ Underwater Hockey website.

**Tony Colquhoun**

President | UWHNZ

*Images: U19 Women's Team: Gold at the Age Group World Champs & U23 Women's Team: Gold at the Age Group World Champs, by Yuri Huynh*



A large school of fish, likely yellowtail snappers, swimming in clear blue water. The fish are silvery with yellow tails and are arranged in a loose, coordinated pattern. The background is a deep blue, suggesting an underwater environment.

# 11. LEGASEA

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*Image by Darren Shields*

*Fundraising and elevating public awareness of issues that affect recreational fishers.  
Together we get stuff done.*

There is so much happening in the fisheries management arena and it is heartening to know the New Zealand Underwater Association is committed to working with LegaSea as we strive to restore abundance and diversity in our marine environment.

In 2012 New Zealand Sport Fishing Council initiated LegaSea to reach out to the public. LegaSea's objectives are to raise public awareness of the issues affecting our coastal fisheries, to restore marine abundance so all Kiwis both now and in the future get a fair go, and to fundraise to support the Council's work in fisheries management. Cultivating a productive working relationship with NZU executives over the past two years has been a positive development for us all.

## ACTIVITY

This past year has been a period of learning and growth for LegaSea. In 2017 we were reminded that fisheries management is indeed political and the September election was the prime time to establish policies that endorse removing trawling, seining and dredging from inshore areas and set a benchmark for rebuilding fisheries to abundant levels.

## WORKING TOGETHER

Crayfish are a taonga (treasured) species for many New Zealanders. It was a bonus to work with the NZU on two crayfish campaigns over the past year - the Crayfish Crisis (2017) and Crayfish Crisis: TAKE ACTION (2018). The campaigns highlighted the public's desire for conservative management of our crayfish and the need for a comprehensive review by an independent Commission of Inquiry into fisheries management and the Quota Management System.

LegaSea acknowledges both the NZU and Spearfishing New Zealand in helping to make the crayfish campaigns a success.

Both campaigns utilised surveys to gather public opinion on the state of the crayfish stocks and what people would like to see in the future. The surveys attracted an unprecedented response, almost 5000 in total. There is overwhelming support for more conservative management and the need to rebuild depleted crayfish stocks.

The survey results have been used to inform submissions made by the New Zealand Sport Fishing Council to the Ministry of Primary Industries and the Minister. LegaSea is grateful for NZU's fulsome support of the February 2018 Crayfish 2 submission.

MPI has signalled a review of regulations later in 2018 and LegaSea will be working with the NZU, Spearfishing NZ and other organisations to develop a response to potential bag limit reductions for recreational fishers and pot limits, to constrain commercial effort in times of depletion.

## PROJECTS

**FishCare** – The school of best practice initiative and the Kai Ika project continue to expand in reach.

In the past year, we estimate more than 600,000 people have been exposed to our FishCare messages promoting best practice techniques so recreational fishers can reduce their impact on the marine environment.

The **Kai Ika** project is having a real impact on reducing fish waste and conservation. Every productive week, fish heads, frames and offal are collected from central Auckland's Outboard Boating Club by volunteers from the Papatuanuku





Kokiri Marae. The offal is used to fertilise the Marae's community gardens and the edible food is smoked or processed. To date over 14,000 kilos have been collected and distributed throughout the South Auckland community, reinforcing our messages of sharing and conservation through full utilisation of each fish harvested.

## SUPPORTER ENGAGEMENT

LegaSea continues to earn the respect of the public and decision-makers. We are proud to have gained the confidence of the NZU, other trusted organisations, and major brands. We talk directly with over 50,000 people in our database; we have over 80 Works and Building LegaSea sponsors, more than 800 LegaSea Legends, and four Platinum and 47 Gold Partners.

This growing level of support demonstrates the value of working towards a common goal of restoring the marine environment so future generations can enjoy an abundance of kaimoana and the diversity that our rich waters can provide.

## GALA DINNER

A highlight of the past year was LegaSea's inaugural Gala Dinner - 'The Big Workup' - held in November 2017. Over 300 guests enjoyed a three-course meal, entertainment and fundraising auction at the Royal New Zealand Yacht Squadron. The feedback has been positive. The event raised a net surplus of \$77,000.

On the night we were delighted to present the inaugural LegaSea Award to Matt Watson for his long-term and invaluable commitment to the establishment of LegaSea and the adoption of better fishing practices. The tireless Scott Macindoe was presented with a well-earned, special Taonga

Award for his ongoing commitment to restoring our fisheries to abundance.

## CONCLUSION

This past year has given us many opportunities to celebrate our collective interests in the marine environment. LegaSea is committed to working with the NZU to contribute to the conservation of our marine resources.

Together we will do our best to enhance our fisheries, so we can all provide for our social, economic and cultural wellbeing into the future.

### Trish Rea

Legasea Liaison & Communications Lead | Legasea

# 12. YOUNG OCEAN EXPLORERS

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*Image by Darryl Torkler*



*Steve Hathaway and his daughter Riley are on a mission to inspire children to love and care for our oceans through entertaining education, interactive projects, and connecting with an environmental message.*

*Steve has been involved with filming a story for Blue Planet II about false killer whales, that aired in November 2017 and won a BAFTA for 'Best Photography' for the opening episode, 'One Ocean'.*

## INTERACTIVE WEBSITE

The Young Ocean Explorer's interactive website launched in October 2017, funded by NZ on Air and the Bobby Stafford-Bush Foundation, and managed by Greenstone TV to get it online.

The site has been reviewed at #5 of the top ten education websites for kids in 2018, just behind Nat Geo Kids and NASA Kids, and is ranked the #1 educational site in New Zealand!

In only a few months we have 9% (over 1000) of teachers in our demographic in New Zealand (5 to 13-year-olds) signed up to the free site. We aim to get into every primary and intermediate classroom in NZ and abroad.

Unfortunately, as the site is designed for teachers to use within their classrooms, our statistics (of 370,000 views) only show the number of login views of videos, polls and quizzes, and disregards the number of students (sometimes 30-60 viewers!) watching at once.

We will survey registered teachers to discover how they are using the site and to get a more accurate number of viewers, which is essential for future funding allowances.

## 1+A DAY CAMPAIGN

Our 1+A Day campaign video has been launched to inspire Kiwi kids to pick up at least one piece of plastic each day. Most of the plastic on our beaches doesn't come from people dumping it there, it comes from our streets, parks and communities.

We know that young children can be a powerful force for behaviour change in the family unit, and we hope that this message will be shared to stop the impact of plastic from our streets on the ocean.

The campaign initially began at Verran Road Primary School, launched by two students who were inspired by NZ's turtle expert, Dan Godoy, when he told them, "wouldn't it be great if every Kiwi picked up one piece of plastic each day – that would be four million pieces". That simple message, and the impact that such a small act could make is what drives this campaign.

## EXPLORE THE GULF

We were fortunate to collaborate again with the Hauraki Gulf Forum and the New Zealand Herald with the latest Hauraki Gulf 'Explore the Gulf' Posters. Children bring the poster to life when they download our free app and place their device over the poster.

About 150,000 of these posters have gone out to educate and inspire the next generation of divers about what a fantastic playground we have in the Hauraki Gulf, right on Auckland's doorstep. We will send out copies of these posters to every school in NZ.

## FUTURE PROJECTS

We have received funding from the Harbors Family Foundation in the United States for creating a series of videos, polls and quizzes about Maui dolphins, which is about to be released.

## Steve Hathaway

Young Ocean Explorers

*Image: False Killer Whales, by Steve Hathaway*



# 13. EXPERIENCING MARINE RESERVES

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*Image by Darryl Torkler*



*With the aim of raising awareness and promoting engagement with marine conservation, the Experiencing Marine Reserves programme empowers schools and communities by providing hands-on involvement with the ocean.*

Since 2002, Experiencing Marine Reserves (EMR) has expanded to eight regions. With the assistance of up to 30 coordinators, EMR has guided snorkel experiences for over 45,000 students and whanau in NZ marine reserves. A further 18,000 people have participated in EMR organised marine conservation events bringing the total number of Kiwis engaged by EMR to more than 65,000!

## EXPERIENCE TO ACTION

EMR empowers schools and communities by providing the equipment and expertise that facilitates a learning experience in the ocean.

The programme involves investigating local marine environments before venturing to a fully-protected marine reserve. As a result, students can compare the biodiversity in unprotected and protected areas and are supported to put their knowledge into action within the community.

## SUMMER OF 2018

This summer EMR has run 35 community events and taken school groups snorkelling and kayaking from the Far North to Otago.

In the Auckland Region alone, we have facilitated snorkelling events for over 1500 students and community members.

Some notable events would be our first Shakespear snorkel day where we had 130 keen snorkelers and an amazing 4m of visibility on the sandstone reef where we saw juvenile snapper, parore, sweep and hundreds of glass shrimp!

*Images (left-right): Young Blake Expedition voyagers snorkelling with Galapagos Sharks at the kermadecs, snorkelers at the Shakespear Snorkel Day & Te Awhina Marae by Night, by Lorna Doogan*



## EXPERIENCING MARINE RESERVES CONT...



### OFFSHORE EXPERIENCES

EMR was ecstatic to be asked by the Sir Peter Blake Trust to join the 'Join Blake' Expedition to the Kermadecs to lead 18 student voyagers snorkelling in New Zealand's most remote marine reserve. We spent 11 days on the HMNZS Canterbury, courtesy of the Royal NZ Navy.

EMR coordinators, Samara Nicholas and Lorna Doogan, led the snorkelling trips at the Meyer Islands and Boat Cove where they saw turtles, vast schools of kingfish and lots of Galapagos sharks! On our snorkels we identified tropical species that had never been observed at the Kermadecs.

### KAI IWI LAKES IN THE DARK

EMR's second community guided night snorkel was as popular as the first. With Lake Waikere, Kai Iwi Lakes as the venue, the surreal experience included guiding participants through kuta (sedge grass) with eels coming out of macrophytes as dusk fell.

### MOUNTAINS TO SEA WĀNANGA

EMR recently completed its annual 'Mountains to Sea' Wananga, with the theme of Succession.

Held at the Te Awhina Marae in Motueka, Nelson, the conference provided an opportunity to korero with marine and freshwater representatives from around New Zealand. Over three days EMR introduced participants to Tonga Island Marine Reserve in the Abel Tasman Regional Park, as well as visiting the Riuwaka Source and Waikoropupu Springs.

See the EMR website or Facebook page for more information on what organisation does and its upcoming events. If you have an item that you would like to donate to our forthcoming charity auction, please contact Samara at [info@emr](mailto:info@emr).

#### Lorna Doogan

Deputy National Coordinator | EMR

*Images (left-right): Snorkelling with Galapagos sharks – Edin Whitehead, Isabel Kraus with a reef star in Tonga Island Marine Reserve & Koura (freshwater crayfish) hiding in the weed, by Lorna Doogan*



# 14. AWARDS

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## LIFE MEMBER AWARD 2017

### Denis Adams

Denis received the Life Member Award in 2017 for his incredible support of NZU, having been a member for more than 30 years, an NZU Sport Committee member for five years (1981-86), and a member of the NZU Scientific Committee (1979-80).

Over the years, he has been affiliated with the Napier Underwater Club, Queensland Underwater Adventures Club, Bluefins Underwater Club, Neptune's Underwater Club, and Dolphin Underwater and Adventure Club. He was a long-serving president of the Neptune's Underwater Club on and off between 1991 and 2018, totalling over 20 years. Since 2014, Denis has served as president of the Dolphin Underwater and Adventure Club.

He has been actively involved in various underwater activities, including underwater hockey (achieving the National Underwater Hockey title), photography, spearfishing and SCUBA, even managing SCUBA orienteering teams, one of which placed 2nd in the Australian Nationals.

He and his wife, Trish, won the Leo Ducker Award in 2011 and they still enjoy diving together in New Zealand, Fiji, Niue, and Tonga. Denis also enjoys spearfishing, is an avid underwater photographer and has had active rugby involvement.

He has worked tirelessly to support his various clubs, volunteering for a variety of duties including writing newsletters, organising events, administration, and group organisation.

NZU appreciates Denis' contribution to the underwater sports and activities scene and welcomes him as a Life Member.

*Image: Denis and wife Trish Adams, receiving the Leo Ducker award in 2011, by Dave Morgan*



# 15. ACCOUNTS

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# Annual Financial Statements

New Zealand Underwater Association Incorporated  
For the year ended 28 February 2018

Prepared by BDS Chartered Accountants Limited



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# Compilation Report

## New Zealand Underwater Association Incorporated For the year ended 28 February 2018

Compilation Report to the Board of New Zealand Underwater Association Incorporated

### Scope

On the basis of information provided and in accordance with Service Engagement Standard 2 Compilation of Financial Information, we have compiled the financial statements of New Zealand Underwater Association Incorporated for the year ended 28 February 2018.

These statements have been prepared in accordance with the accounting policies described in the Notes to these financial statements.

### Responsibilities

The Directors are solely responsible for the information contained in the financial statements and have determined that the Special Purpose Reporting Framework used is appropriate to meet your needs and for the purpose that the financial statements were prepared.

The financial statements were prepared exclusively for your benefit. We do not accept responsibility to any other person for the contents of the financial statements.

### Independence

We have no involvement with New Zealand Underwater Association Incorporated other than for the preparation of financial statements and management reports and offering advice based on the financial information provided.

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Peter Taylor  
BDS Chartered Accountants Limited  
PO Box 7277, Wellesley St, Auckland

Dated: 30 April 2018

## Directory

### **New Zealand Underwater Association Incorporated For the year ended 28 February 2018**

#### **Postal Address**

PO Box 875, Auckland, 1140

#### **Auditor**

Hart & Co Chartered Accountants  
100/5 Bush Rd, North Harbour, Auckland 0632

#### **Bankers**

Westpac Bank

#### **Chartered Accountant**

BDS Chartered Accountants Limited  
PO Box 7277, Wellesley St, Auckland 1010

#### **Solicitor**

Anthony Harper  
66 Wyndham Street, PO Box 2646, Auckland, 1140



# Statement of Profit or Loss

## New Zealand Underwater Association Incorporated For the year ended 28 February 2018

	NOTES	2018	2017
<b>Revenue</b>			
Sales		195	174
<b>Total Revenue</b>		<b>195</b>	<b>174</b>
<b>Gross Profit</b>			
		<b>195</b>	<b>174</b>
<b>Other Income</b>			
Dividends Received - Non-Taxable Distribution		9	10,000
Dividends Received - Taxable Distribution		341	300
Donations received		5,488	-
Grants / Sponsorship Received		27,500	-
Interest Received		76	612
Membership - Associate		411	87
Membership - Club		3,346	3,218
NZ Underwater Trust Ltd		52,000	73,714
OPEX tenancy		9,988	7,859
Net Rent Received		56,334	47,271
License fee income		15,008	-
<b>Total Other Income</b>		<b>170,502</b>	<b>143,061</b>
<b>Total Income</b>		<b>170,697</b>	<b>143,235</b>
<b>Expenses</b>			
Accountancy Fees		3,748	3,938
Advertising/Marketing		4,996	7,484
Annual General Meeting		4,653	7,152
Audit Fees		3,229	3,200
Bank Charges		50	50
Board Expenses		1,910	5,887
Board Honorarium		3,500	3,500
Body Corporate		6,411	6,461
Cleaning & Laundry		2,598	2,776
CMAS Affiliation		2,514	1,732
Computer Expenses		3,569	3,445
Computer Maintenance and Support		-	298
Depreciation		5,524	5,731
DES - Reporting & Recording		737	745
Dive Safe Expenses		6,350	3,180
Entertainment		51	2,429
General Expenses		48	191
Insurance		2,966	2,865
Legal Expenses		114,904	14,269
Light Power & Heating		2,826	3,567

	NOTES	2018	2017
Loss on Sale of Fixed Assets		81	-
Maritime expense		8,699	768
Miscellaneous Mini Dippers		39	-
Motor vehicle costs		-	1,160
Operating Lease- Phone		-	379
Printing & Stationery		598	737
Project - NZUA		508	-
Rates		7,046	6,584
Repairs and Maintenance		1,008	672
Safer Boat Forum		211	-
Security		515	260
Sponsorship		300	-
Staff Expenses		1,009	760
Staff Training		939	513
Subcontractors		31,699	34,069
Telephone, Tolls & Internet		510	510
Travel and Accommodation		-	195
<b>Total Expenses</b>		<b>223,747</b>	<b>125,509</b>
<b>Net Surplus/ (Deficit) Before Expenses Recovery</b>		<b>(53,049)</b>	<b>17,726</b>
<b>Expenses Recovery</b>			
Expenses recharge (recovery)		(888)	5,234
<b>Total Expenses Recovery</b>		<b>(888)</b>	<b>5,234</b>
<b>Net Surplus/ (Deficit)</b>		<b>(52,162)</b>	<b>12,492</b>

# Statement of Changes in Equity

## New Zealand Underwater Association Incorporated For the year ended 28 February 2018

	NOTES	2018	2017
<b>Equity</b>			
Opening Balance		492,837	114,057
<b>Surplus &amp; Revaluations</b>			
Net Profit/(Loss)		-	12,492
Movements in Capital Reserves		-	349,515
Movement in Interest in NZ Underwater Trust Ltd		148,134	16,772
<b>Total Surplus &amp; Revaluations</b>		<b>148,134</b>	<b>378,779</b>
<b>Deficit</b>			
Net Profit/(Loss)		52,162	-
<b>Total Deficit</b>		<b>52,162</b>	<b>-</b>
<b>Total Equity</b>		<b>588,809</b>	<b>492,837</b>



# Balance Sheet

## New Zealand Underwater Association Incorporated As at 28 February 2018

	NOTES	28 FEB 2018	28 FEB 2017
<b>Assets</b>			
<b>Current Assets</b>			
Cash & Bank	4	73,275	111,744
Accounts Receivable		612	-
GST Receivable		-	95
<b>Total Current Assets</b>		<b>73,887</b>	<b>111,839</b>
<b>Non-Current Assets</b>			
Trademarks		446	446
Share Investments in Air Purity Ltd		1,000	1,000
Property, Plant and Equipment (as per the Depreciation Schedule)		10,603	16,208
Interest in NZ Underwater Trust Ltd		514,421	366,287
Intercompany - Air Purity Limited		(447)	(194)
<b>Total Non-Current Assets</b>		<b>526,024</b>	<b>383,747</b>
<b>Total Assets</b>		<b>599,911</b>	<b>495,586</b>
<b>Liabilities</b>			
<b>Current Liabilities</b>			
Accounts Payable		7,966	2,750
Sundry Creditors		1,691	-
GST Payable		1,444	-
<b>Total Current Liabilities</b>		<b>11,102</b>	<b>2,750</b>
<b>Total Liabilities</b>		<b>11,102</b>	<b>2,750</b>
<b>Net Assets</b>		<b>588,809</b>	<b>492,837</b>
<b>Equity</b>			
Retained Earnings		239,294	143,322
Capital Reserve		349,515	349,515
<b>Total Equity</b>		<b>588,809</b>	<b>492,837</b>
<b>Net Equity</b>		<b>588,809</b>	<b>492,837</b>

For and on behalf of the Board;

Chairman \_\_\_\_\_

Date 9 May 2018

# Depreciation Schedule

## New Zealand Underwater Association Incorporated For the year ended 28 February 2018

ASSET NUMBER	NAME	COST	OPENING VALUE	PURCHASES	SALE PRICE	RATE	METHOD	DEPRECIATION	CLOSING ACCUM DEP	CLOSING VALUE
<b>Furniture &amp; Fittings</b>										
FA-0007	Security Alarm Panel	1,882	446	-	-	25.00%	DV	112	1,547	335
FA-0024	Chairs x 7	1,400	962	-	-	16.00%	DV	154	592	808
<b>Total Furniture &amp; Fittings</b>		<b>3,282</b>	<b>1,408</b>	-	-			<b>265</b>	<b>2,140</b>	<b>1,143</b>
<b>Motor Vehicles</b>										
FA-0023	Suzuki Swift 2014 HKM709	20,644	7,334	-	-	30.00%	DV	2,200	15,510	5,134
<b>Total Motor Vehicles</b>		<b>20,644</b>	<b>7,334</b>	-	-			<b>2,200</b>	<b>15,510</b>	<b>5,134</b>
<b>Office Equipment</b>										
FA-0011	Server	4,944	122	-	-	50.00%	DV	61	4,883	61
FA-0014	Zebra P110i Printer	750	81	-	-	40.00%	DV	-	-	-
FA-0015	Signwriting	2,741	369	-	-	11.40%	DV	42	2,414	327
FA-0031	HP T1500 G3 Power System	865	301	-	-	40.00%	DV	120	684	181
FA-0032	Air conditioning	782	484	-	-	20.00%	DV	97	395	387
FA-0043	Notebook HP ProBook 640 IntelCore i5 & Kingston 4GB SDRam	1,825	1,399	-	-	40.00%	SL	730	1,156	669
FA-0044	Notebook HP ProBook 640 IntelCore i5 & Kingston 4GB SDRam	1,825	1,399	-	-	40.00%	SL	730	1,156	669
FA-0045	HP 3005pr USB Port Replicators x2	558	501	-	-	17.50%	SL	98	155	403
<b>Total Office Equipment</b>		<b>14,290</b>	<b>4,657</b>	-	-			<b>1,878</b>	<b>10,843</b>	<b>2,698</b>
<b>Website Development</b>										
FA-0034	Website development 50%	738	200	-	-	50.00%	DV	100	638	100

These financial statements should be read in conjunction with the attached Auditors Report.



ASSET NUMBER	NAME	COST	OPENING VALUE	PURCHASES	SALE PRICE	RATE	METHOD	DEPRECIATION	CLOSING ACCUM DEP	CLOSING VALUE
FA-0042	Website build progress	2,700	2,610	-	-	40.00%	SL	1,080	1,170	1,530
<b>Total Website Development</b>		<b>3,438</b>	<b>2,810</b>	<b>-</b>	<b>-</b>			<b>1,180</b>	<b>1,808</b>	<b>1,630</b>
<b>Total</b>		<b>41,654</b>	<b>16,208</b>	<b>-</b>	<b>-</b>			<b>5,524</b>	<b>30,300</b>	<b>10,604</b>



# Notes to the Financial Statements

## New Zealand Underwater Association Incorporated For the year ended 28 February 2018

### 1. Statement of Accounting Policies

The financial statements presented here are for the entity New Zealand Underwater Association Incorporated, and its incorporated under the Incorporated Societies Act 1908. According to the constitution the Association has two other branches namely, New Zealand Underwater Sporting and New Zealand Underwater Hockey.

Under the Income Tax Act Section 24-120 Non-profit body and Section 24-130 Sports club, the association is not liable for income tax.

These financial statements are a special purpose report.

### Measurement Base

The accounting principles recognised as appropriate for the measurement and reporting of earnings and financial position on an historical cost basis have been used, with the exception of certain items for which specific accounting policies have been identified.

### Changes in Accounting Policies

There have been no changes in accounting policies. Policies have been applied on a consistent basis with those of the previous reporting period.

### Differential Reporting

New Zealand Underwater Association Incorporated is a qualifying entity in that it qualifies for Differential Reporting as it is not publicly accountable and is not considered large. All Differential Reporting exemptions have been applied.

### Goods and Services Tax

All amounts are stated exclusive of goods and services tax (GST) except for accounts payable and accounts receivable which are stated inclusive of GST.

### Fixed Assets

All fixed assets (other than buildings) are recorded at cost less accumulated depreciation. Depreciation of the assets has been calculated at the maximum rates permitted by the Inland Revenue Department.

A deduction for depreciation on buildings ceased from 1/04/2011. Buildings that have been depreciated up to 31/03/2011 show at their book value as at 31/03/2011. Buildings that have been acquired or commenced taxable activity after 31/03/2011 are shown at cost.

### Accounts Receivable

Receivables are stated at their estimated realisable value. Bad debts are written off in the year in which they are identified.

### Grants

Grants received are recognised in operating revenue, unless specific conditions attach to the grant and repayment of the grant is required where these conditions are not met. In these cases, the grant is treated as a liability until the conditions are met.

### 2. Audit

These financial statements have been subject to audit, please refer to Auditor's Report.

### 3. Principal Activities

The principal activities of the association are that of promotion of safety in diving and amateur underwater activities to the public.

	2018	2017
<b>4. Cash &amp; Bank</b>		
Saver Account	47,195	102,738
Cheque Account	26,080	9,005
<b>Total Cash &amp; Bank</b>	<b>73,275</b>	<b>111,744</b>

### 5. Associated Persons Transactions

New Zealand Underwater Association is associated with New Zealand Underwater Trust. Some management of the Association also act as Trustees of the Trust. Interest in New Zealand Underwater Trust is also disclosed separately in the Balance Sheet. Other than this, no material associated transactions are noted.

### 6. Contingent Liabilities

At balance date there are no known contingent liabilities (last year: \$Nil). New Zealand Underwater Association Incorporated has not granted any securities in respect of liabilities payable by any other party whatsoever.

### 7. Securities and Guarantees

There was no overdraft as at balance date nor was any facility arranged.

**NEW ZEALAND UNDERWATER ASSOCIATION INC**  
**INDEPENDENT AUDITOR'S REPORT**  
**FOR THE YEAR ENDED 28 FEBRUARY 2018**

To the Members of the Association of New Zealand Underwater Association Incorporated.

**Opinion**

We have audited the financial statements of the New Zealand Underwater Association Incorporated on pages 5 to 12, which comprise the Statement of Financial Position as at 28 February 2018, Statement of Financial Performance and Statement of Movements in Equity for the year ended, and a Summary of Significant Accounting Policies and Other Explanatory Information.

In our opinion, the financial statements on pages 5 to 12 present fairly, in all material respects, the Statement of Financial Position of New Zealand Underwater Association Incorporated as at 28 February 2018, Statement of Financial Performance, Statement of Movements in Equity for the year ended on that date in accordance with Incorporated Society Act 1908.

**Basis for Opinion**

We conducted our audit in accordance with International Standards on Auditing (New Zealand) (ISAs(NZ)). Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are independent of the New Zealand Underwater Association Incorporated in accordance with Professional and Ethical Standard 1 (Revised) Code of Ethics for Assurance Practitioners issued by the New Zealand Auditing and Assurance Board, and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion. Other than in our capacity as auditor we have no relationship with, or interests in, the New Zealand Underwater Association Incorporated.

**Board's Responsibilities for the Financial Statements**

The Board are responsible for the preparation and fair presentation of these financial statements in accordance with Incorporated Society Act 1908 and for such internal control as the Board determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

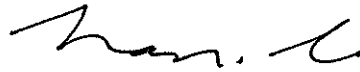
In preparing the financial statements, the Board are responsible on behalf of the New Zealand Underwater Association Incorporated for assessing the New Zealand Underwater Association Incorporated's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless the Board either intend to liquidate the New Zealand Underwater Association Incorporated or to cease operations, or have no realistic alternative but to do so.



## Auditors' Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not a guarantee that an audit conducted in accordance with ISAs (NZ) will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in aggregate, they could reasonably be expected to influence the decisions of users taken on the basis of these financial statements.

Auditors



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Hart & Co - North Shore  
Chartered Accountants  
Albany, Auckland

22 May 2018



NEW ZEALAND  
**Underwater**  
ASSOCIATION

*Unit 1, 40 Mt Eden Rd, Mt Eden.*

*PO Box 875, Auckland 1140, New Zealand.*

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