



BLAKE

Inspiring environmental leadership

2020 Annual Report



Message from Pippa, Lady Blake



In the last couple of years, significant effort has gone into delivering on BLAKE's new direction.

We see our role as being to inspire people to lead a more sustainable future for Aotearoa, and we do this through our environmental leadership and communication programmes.

To help us deliver on our role, we have clear strategic goals which the team at BLAKE are firmly on track to deliver.

Each year we continue to grow our outreach and inspire more and more people of all ages to take care of our environment.

Our travelling environmental educators now reach almost 20,000 school students annually through NZ-VR, our underwater virtual reality programme. Run in partnership with New Zealand Geographic, in 2020 we expanded NZ-VR to the Bay of Plenty and Northland to allow even more children to experience the marine environment, while also developing remote delivery and e-learning elements to the programme.

And just recently we launched a Te Reo version of the NZ-VR programme, suitable for Māori medium school settings.

Together with the Ministry for the Environment, in 2020 we celebrated our seventeenth edition of BLAKE Inspire - our annual environmental leadership programme. A further 57 students from around Aotearoa participated, and since its inception, almost a thousand young Kiwis have taken part in BLAKE Inspire.

In October we delivered our second 'BLAKE Inspire for Teachers' - a programme designed for primary and intermediate teachers who are passionate about developing their environmental knowledge and implementing sustainability and conservation education within their schools.

We've piloted and launched our newest programme, BLAKE Explorers - an overnight experience for young people to connect them to the marine environment through a series of ocean experiences and adventures.

Thanks to our BLAKE Ambassador partners NIWA, GNS Science, Antarctica NZ and the Department of Conservation, nine young New Zealanders experienced incredible work experience opportunities. Located in remote places around New Zealand, Antarctica and the Southern Ocean, they contributed to important science and conservation projects relating to some of our biggest environmental challenges.

Peter believed in the potential of our children, and together with our Foundation Partner Westpac, BLAKE celebrated 350 more young students with a BLAKE Young Leader Award in 2020.

As an organisation we've made significant efforts to reduce our own impact on the environment.

We offset our carbon emissions through Air New Zealand's Fly Neutral programme, and we choose suppliers of sustainable products and services.

Thanks to the Giltrap Group we now have four plug-in hybrid electric vehicles to

help us reduce our carbon footprint while our team are out on the road.

We've continued to make progress on our commitment to integrate te ao Māori into our organisation and the programmes we run. We now have a Kaihautu Māori Manager to enhance our use of tikanga Māori and mātauranga into our daily working environment and each of the programmes we deliver.

As a team we've completed the Te Kaa cultural competency training; and over the past year we've seen more Māori students participate in our programmes than ever before.

However, we know inspiration is not enough. Protecting the environment is everyone's responsibility. And we want to inspire action from everyone.

This year we developed four statements identifying key environmental issues and risks New Zealand is facing. They are:

- Climate Change / Huringa āhuarangi;
- Biodiversity loss / Rerenga rauropi;
- Marine Health / Moana; and
- Freshwater decline / Wai māori

These statements outline our perspective on the actions we all need to take to address the climate and ecological crisis. They also inform the content in our programmes and set a baseline from which we communicate.

2020 has been a challenging year - one of unprecedented adversity that the world hasn't seen for generations.

However, despite the challenge of COVID-19, the team at BLAKE have adapted quickly to ensure our programmes were delivered and we continue Peter's mission of inspiring people to care for the environment.

We're very proud of all we've achieved in 2020 - and look forward to a successful 2021.

Ngā mihi nui,

Our Partners

We'd like to extend a huge thank you to our network of corporate partners, sponsors, community trusts, and individuals that support BLAKE. Without this ongoing support we wouldn't be able to deliver on continuing Sir Peter's environmental legacy and inspiring and preparing people to lead a sustainable future for Aotearoa.

MAJOR PARTNERS



PROGRAMME PARTNERS



SUPPORTERS



Proud Supporters

" We are incredibly proud to support the work done by BLAKE. Their work is meaningful, targeted and makes a difference. The team are fantastic to work with and we only want to increase the support we offer." - **Kirsty McKay, Sawmill**

" We get great satisfaction from knowing that Chapman Tripp's support is helping to drive BLAKE's vision of inspiring and preparing young New Zealanders to lead a more sustainable future." - **Greer Fredricson, Chapman Tripp**

" We are proud to partner with BLAKE and enable young environmentalists and teachers to further expand their passion and knowledge. It is inspiring to witness the growth of self-confidence, belief, and purpose - and this is exactly what we see time and time again with BLAKE Inspire and BLAKE Inspire for Teachers. The Ministry for the Environment is proud to have partnered with BLAKE for over 10 years. BLAKE's work instils genuine connection to the environment and nurtures our current and emerging leaders of Aotearoa." - **Natasha Lewis, Ministry for the Environment**

Join other inspiring businesses and organisations who share our vision by becoming a partner of BLAKE through sponsorship or support of our programmes and organisation. For more information go to blakenz.org/support-us

Our 2020 Programmes



BLAKE NZ-VR

Launched at the start of 2019, our travelling environmental educators now reach almost 20,000 school students each year through BLAKE NZ-VR, our underwater virtual reality (VR) experience. The programme aims to connect thousands of young New Zealanders with the marine environment through VR technology. Students experience the rich biodiversity that exists below the surface of the ocean, as well as the damage that has been done to the ecosystem.

Students come away from these sessions with actions they can take to protect the marine environment and a greater sense and understanding of kaitiakitanga.

In 2020 we expanded the programme into the Bay of Plenty and Northland to allow even more rangatāhi to experience the marine environment and the challenges it faces. We have developed remote delivery and e-learning elements to the programme; and in 2021 we will launch our Te Reo version of NZ-VR, suitable for Māori medium schools.

- In partnership with New Zealand Geographic



BLAKE EXPLORERS

After two successful pilots in 2020, we've launched our newest programme: BLAKE Explorers. This is a three-day experience for intermediate-aged students who have taken part in our BLAKE NZ-VR programme.

BLAKE Explorers give these students the opportunity to explore our marine environment through activities such as snorkelling, surfing, nature trails, and other outdoor activities.

Through these activities we hope to spark an interest for the students and inspire them to take action for the environment.

We want to provide this opportunity for students that would not otherwise get the opportunity, and school groups that have taken part in our NZ-VR programme will be eligible to be selected for BLAKE Explorers.

- **2021 programme dates:**
March, October, November and December 2021



BLAKE INSPIRE

In October 2020, 57 young environmental leaders from all over New Zealand came together for BLAKE Inspire, our week-long programme of adventure-based, experiential learning in Waikato.

Throughout the week delegates work together with scientists, environmental experts and a diverse range of leaders to help them develop strong leadership skills while learning about topical environmental issues and how they can take action to tackle them.

Participation, adventure and learning are all key requirements for BLAKE Inspire delegates. They take part in environmental and marine science activities and visit businesses and local organisations to learn about what they are doing to reduce their impact on the environment.

Most importantly, students have lots of fun and come away with new friends, skills and clear action plans to start making positive change within their own schools and communities.

- **2021 programme dates:**
19-23 April and 11-15 October 2021
- In partnership with the Ministry for the Environment

Our 2020 Programmes



BLAKE INSPIRE FOR TEACHERS

BLAKE Inspire for Teachers is a programme designed for New Zealand primary and intermediate teachers who want to develop a deeper understanding of environmental issues and the ability to translate the experience to their students to encourage environmental action.

In October 2020, 29 teachers took part in BLAKE Inspire for Teachers. The programme offers delegates hands-on, experiential learning and leadership development opportunities through a range of field trips, workshops and exercises with a focus on four critical environmental issues: climate change, biodiversity loss, marine and freshwater decline.

The group visited Sawmill Brewery to hear about their sustainable business practices and B-Corporation certification; and experienced predator-free Tiritiri Matangi Island in Auckland's Hauraki Gulf and learning about its conservation programme.

They visited Ruapōtaka Marae to establish an understanding of Mātauranga Māori by exploring how connections and relationships, living, and non-living are made through Tikanga.

Teachers come away from the programme with practical ways to understand and teach environmental issues across all subjects and learn how to create action plans to increase emphasis on conservation and sustainability within their schools.

In 2020 we'll be expanding BLAKE Inspire for Teachers to accommodate up to 60 teachers.

- **2021 programme dates:**
12-16 July and 4-8 October
- **In partnership with the Ministry of Education**



BLAKE AMBASSADORS

Each year we offer incredible environmental leadership opportunities for 18 - 25-year olds through our BLAKE Ambassadors programmes. BLAKE Ambassadors travel to Antarctica, the Southern Ocean, and remote locations around New Zealand to work alongside scientists, conservationists, engineers and conservators on important projects and research.

In 2020 we awarded nine BLAKE Ambassador programmes, all designed to advance their understanding of some of the big questions and challenges facing the environment, and to develop their leadership capability and advance future career opportunities.

- **October 2020 - March 2021**
- **In partnership with NIWA, Department of Conservation, GNS Science and Antarctica NZ**



BLAKE AWARDS

The BLAKE Awards are our annual awards that celebrate and recognise outstanding people whose leadership has delivered high impact results and contributed to a more sustainable future for Aotearoa. This can include impact across any social, cultural, environmental or economic areas of New Zealand society.

In 2020 we awarded six BLAKE Leader awards including the 'Rangatahi' category which recognises an outstanding young leader aged 13 - 20 years, and the Kaitiaki ō te Taiao / Environmental category.

The BLAKE Medal is presented to one premier awardee whose leadership has helped create a more sustainable future for New Zealand and/or globally over an extended period of time.

- **In partnership with Westpac and NIWA**

BLAKE YOUNG LEADER AWARDS

Sponsored by our foundation partner, Westpac, the BLAKE Young Leader Award is presented to Year 5 - 8 students from all around New Zealand each year. In 2020 almost 400 young Kiwis received a BLAKE Young Leader Award which is presented by a local Westpac representative.

Nominated by their schools, these young Awardees were recognised for their own unique leadership style and qualities.

- **In partnership with Westpac**

How are their Action Plans going?

BLAKE Inspire students:

Leo Palmer, Whangarei Boys' High School, Northland

Leo's Action Plan is to use sport's global appeal to drive urgent action on climate change. Led by Leo and other year 13 environment committee prefects, early in term one the school environment committee will do an entire school waste audit. Year nine and ten physical education classes will spend their period that day helping with the audit and learning about how the school can improve its sustainability.

Following this, when the year nine and ten classes do the 'get involved in a physical activity and explain the factors influencing your participation' unit, the enviro committee will take the junior student classes for a practical lesson of planting native trees down beside the school field next to a stream that flows along the side of the school grounds. As the school is under construction, the school principal would like to plant native trees by the school's field in addition to the Pohutukawa trees which were planted in memory of the ex-pupils who became soldiers and lost their lives in the great wars protecting Aotearoa.

Essentially Leo's action plan is to educate the junior students on environmental issues and climate change through physical education classes this year. He hopes to help them understand that everybody's small actions add up to play a part in the bigger picture.



Holly Bagwell, Long Bay College, Auckland

Holly's Action Plan was to create a workshop series and an outdoor classroom in the school's regenerative garden.

The workshops, which will be introduced to Year 9 students first, infuse mātauranga Māori (knowledge and storytelling), kaitiakitanga (stewardship) and atua (gods) with regenerative agricultural science to develop a deeper connection and understanding of the garden amongst students.

Mātauranga will be used to help students develop their own story of the land, with all students painting their heritage on a rock and placed in the garden to create the merging of each individual's personal stories with the land's past into the present.

Holly will teach students about the story of Rongo-ma-tāne the Atua of food and cultivation in conjunction with the carbon cycle, so the story can be brought to life with science.

The outdoor classroom will consist of a shelter with a thatched roof, no walls and a bench top on one side, providing a different environment to a normal classroom environment, making it more engaging.

Kaitlyn Lamb, John Paul College, Bay of Plenty

Kaitlyn's Action Plan was to create zero food waste at her school, and her school enviro group has helped her work towards this goal. To help Kaitlyn achieve this, they have a robust compost system - with students emptying five compost bins three times a week, gathering about 30L of organic waste weekly.

The schools 'Compost Queens & Kings' also attend school events, including at their local primary school, to supply food waste buckets, which are then transferred back to the school compost bins. Once the food waste has broken down this compost goes onto their school gardens, with the produce going to cooking classes and families struggling at the school.

Helena Mayer, Thames High School, Waikato

Helena's Action Plan was to start her own podcast called 'Cake, Climate and Colonisation'. Each episode consists of Helena interviewing a guest about the work or activism they do relating to an environmental or social justice issue, while eating their favourite cake. As one of the winners of a Westpac grant, Helena has since purchased a microphone for the podcast and is starting to learn how to use audio editing software. Helena has several people lined up to interview once she's ready to launch Cake, Climate and Colonisation.



BLAKE Inspire teachers



Niki Burtenshaw, Monrad Intermediate, Manawatu

Niki has established the bi-annual school event, Our Sustainable Carnival. Described as a great success, the inaugural event went ahead in 2020 with the aim of engaging their entire community in sustainable practices.

Drawing on her experience at BLAKE Inspire for Teachers, Niki presented good examples of innovative companies who use sustainable practices in their businesses – like Villa Maria, Air New Zealand, Icebreaker and Patagonia. This allowed students to see that everyday items they use, like their clothing, can be produced with sustainable practices.

The students had to then design a product or service that used, or was produced, through recycling, reusing and/or repurposing. No plastic could be used in any products or services. Students came up with several sustainable product ideas including traditional Pasifika drinks, bags made from denim jeans, home crafted perfumes and soaps, plants and artworks.

The students used broad beans as currency and were able to purchase 'beans' from the shop and spend them on what they wanted.

People from all over the community attended the Carnival and all money raised from sales was donated to a local charity.

Hayden Walsh, Hobsonville Primary School, Auckland

Hayden has started a marine unit of learning, based on student interests and what he learned at BLAKE Inspire. Hayden has started taking students to his local beach to do MM2 observations, with the aim of training the senior students so they can help younger students get involved in 2021. They have made plankton traps from recycled bottles to investigate, under microscope, what's living around their local wharf.

The school now as a crew of motivated, engaged students who are deeply engaged in experiencing the marine environment surrounding Hobsonville Point.

Getting out to the beach and wharf has also helped the school engage with curious community members. This year they are working with Whitebait Connection, Experiencing Marine Reserves and planning a trip to Dunedin to work with marine scientist Sally Carson and her team.

Jane Suckling, Maraetai Beach School, Auckland

Following Jane's experience at BLAKE Inspire for Teachers, Maraetai Beach School achieved their silver certification through Enviroschools and have included the following actions in their 2021 annual plan:

- Prepare students to be environmentally aware and responsible citizens.
- Participate in a wide range of community based environmentally sustainable activities.
- Work towards being a waste free school by the end of 2021.

This year Maraetai Beach School and their 'enviro students' will participate in the Hauraki Gulf Monitoring Project, the Sustainable coastlines litter intelligence programme and the Manukau Beautification Trust workshops.



Environmental Statements

"Why bother? It's too important not to, for all of us." Sir Peter Blake

In 2020 BLAKE developed four Environmental Statements that identify key environmental issues and risks in New Zealand, and outline our perspective on the actions we need to take to address the climate and ecological crisis. They inform the content in our programmes and set a baseline from which we communicate.

SUMMARY

Human activity has a direct and lasting impact on the climate and living systems of Earth. Currently, we are taking more than we give back. Protecting the environment is everyone's responsibility, and we all must play a part to reduce the impact. We urgently need to work smarter, and faster, to solve the climate and ecological crisis, and be guardians of the future. But what can we all do? And what does Aotearoa New Zealand need to do collectively to protect New Zealand's living systems?

At BLAKE, our core purpose is to inspire people to lead a sustainable future, which we do through our environmental leadership and communication programmes. But we know inspiration is not enough. We need action. In 2019, we established our Sustainability Initiatives, which we continue to develop and improve. Some examples include the use of four plug-in hybrid electric cars; we joined Air New Zealand's Fly Neutral programme to offset our carbon emissions when staff and programme delegates fly; we choose suppliers of sustainable materials; and where possible, our staff use video conference calling for delegate selection and meetings rather than travel by air.



"Our watchword is sustainability - there are better ways of doing things so that planet Earth can sustain our presence. Our approach, where possible, is to offer solutions rather than simply condemn." Sir Peter Blake

CLIMATE CHANGE	01
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Our four initial environmental statements - climate change, marine, biodiversity and freshwater - identify critical environmental issues and risks in New Zealand and outline the actions we need to take to address the climate and ecological crisis.

They inform the content in our programmes and set a baseline from which we communicate. The need for action is obvious and immediate, now we must empower people to act.

Climate Change / Huringa āhuarangi

"There's been a greater thirst for fuel, for power, for your air conditioning, your motor car, and your airplane. You can jump on a plane today and fly from A to B, and it doesn't cost very much; or does it? Because I think environmentally it costs a huge amount, far more than we're having to pay in today's terms." *Sir Peter Blake*

Keeping carbon emissions in check is critical to keep the planet from further warming. Failure to limit warming to 1.5°C will have substantial consequences on land and sea. In New Zealand, these include increased dry days throughout the North Island; and in inland parts of the South Island, increased severity, and frequency of droughts and increased extreme daily rainfalls. New Zealand's marine environments are getting warmer and more acidic, directly impacting marine ecosystems.

Current government policies from all nations on Earth commit the planet to 3.0 to 3.4°C of warming above pre-industrial

levels by 2100. Global progress can be tracked on the Climate Action Tracker. Shifting to a low-carbon economy will create new opportunities and jobs that benefit everyone. The transition is not cost-free, but to not act puts an enormous burden on future generations.

In New Zealand, the Climate Change Response (Zero Carbon) Amendment Bill aims to develop and implement clear and stable climate change policies that contribute to the global effort under the Paris Agreement to limit the global average temperature increase to 1.5°C above pre-industrial level

WHAT CAN YOU DO

- Reduce high emission human activity including air travel. Embrace public transport, cycling, ride-sharing, or use an electric vehicle.
- Buy local, fresh and in season food. The further the food has travelled or has been stored, the more carbon it has used to arrive in the supermarket.
- Reduce food waste. Food produces about 17 per cent of your total emissions profile.
- Reduce meat and dairy consumption. Agriculture is responsible for a quarter of global greenhouse gas emissions.
- Plant trees. Trees are the best technology we have to offset carbon emissions.
- Talk about climate and environmental issues. We need to be having these conversations all the time.
- Donate to environmental organisations. The environment represents less than 3 per cent of donations to charities.
- Quit plastic. Use reusable bags, refuse plastic straws and bags, do not buy plastic gimmicks.
- Manage your personal supply chain. Research the sustainability credentials of the product and the company that produces it. Buy second-hand whenever possible.

WHAT DOES NEW ZEALAND NEED TO DO?

- Continue transitioning towards 100 per cent (or close to 100 per cent) renewable electricity, primarily through increased use of wind and solar.
- Improve power storage during peak periods using localised and new directional energy storage technologies.
- Create new energy infrastructure to accelerate transitioning non-renewable operations (e.g. stop using coal-powered boilers to dry milk into milk powder).
- Capitalise on high levels of renewable energy through use of electricity where possible, including incentivising low emissions vehicle uptake, use and charging.
- Improve zero emission public transport (i.e. buses and trains).
- Develop circular principles to reduce greenhouse gas emissions through reuse, remanufacturing, and recycling.
- Invest in technology to reduce agricultural emissions and begin a transition towards more sustainable alternatives.
- Establish and promote carbon sequestration projects such as restoration of marine ecosystems including mangrove forests, sea grass meadows, saltmarshes and kelp forests, as well as sequestration projects in terrestrial settings.
- Utilise market forces through a strengthened emissions trading scheme or introduction of a carbon tax.
- Offset emissions through the purchase of high-quality certified carbon credits, as a last resort.
- Some level of warming and sea-level rise is already locked in. Adapting to climate risks requires the risks to be factored into development plans, including protecting coastlines, shoreline encroachment, flood protection, water availability, resilient crops and protecting infrastructure.

"...we have to look for the new fuel, and it's sitting around us. It's in the water - it's hydrogen. It's blazing out of the sky - it's the Sun. It's the wind power that covers the Earth, it's the trade wind, the strong winds of the northern and southern hemispheres, in the wild parts of the world. It's all those huge waves, the wave power! There's power there to be had!" *Sir Peter Blake*

Marine / Moana

"We all live on a water planet, that's what Earth is. So, water is life, that's where life started, it started in the sea." Sir Peter Blake

The ocean absorbs 93 per cent of Earth's heat trapped by greenhouse gases, creates more than half of the oxygen we breathe, drives weather systems and regulates global climate. Marine environments provide commercial, recreational and cultural value to society through harvesting kaimoana, tourism, transportation and for recreation (fishing, swimming, diving, and sailing). But, increasing human pressures from rising greenhouse gas emissions, unsustainable fishing practices, sedimentation, pollutants and plastics all cause significant and cumulative threats to marine environments.

Globally, increasing ocean temperatures, ocean acidification and pollution are causing significant stressors on marine ecosystems and the ocean. Biodiversity is in steep decline, and nearly 80 per cent of fish populations are fished at unsustainable levels. Only 2 per cent of the ocean is fully protected globally. Studies report protecting 30 per cent of the world's oceans from human influence would not only be good for conservation, but would address challenges regarding overfishing, pollution and climate change. Changing heat distribution in the ocean (from increasing ocean temperatures) is the single biggest driver of short-term climate variability influencing rainfall, temperature, and wind patterns around the world (e.g. El Niño and La Niña).

New Zealand has less than half a per cent of our marine environment fully protected, compared with a third of our land. New Zealand has one of the largest Exclusive Economic Zones (EEZ) in the world - 93 per cent of New Zealand is underwater. Well-managed, properly designed marine protected areas with appropriate

boundaries can result in restored habitats, help recover fish populations and reduce pollution. Currently, the impact of recreational fishing compared with commercial fishing is not well understood due to a lack of robust measurement tools. For example, in the Hauraki Gulf, recreational catch likely exceeds commercial catch.

In rural and urban environments, land activities can pollute the marine environment and decrease health and diversity of marine habitats. When sediment, pollutants, nutrients and plastics enter a catchment on land, in rivers, or in coastal ecosystems; these inputs can smother benthic communities, reduce light penetration, impair juvenile organisms and filter feeders, and introduce metals and chemicals. These all impact the health of marine species and lead to reductions in environmental oxygen levels. Carbon emissions are causing significant changes in New Zealand waters. As waters warm and ocean currents change, animals and plants may migrate southward, resulting in modified or lost habitats. The changing heat distribution in New Zealand waters have significant influence on rainfall, temperature, and wind patterns. As waters become more acidic (from increased carbon dioxide absorbed in the oceans), shellfish, cold-water corals and some algae and plankton struggle to produce shells and have affected fertility.

Invasive marine pests can cause significant damage to marine ecosystems and species. Many invasive marine pests are established in New Zealand and are an ongoing issue. These marine pests spread by hull fouling and getting into ballast water.

WHAT CAN YOU DO

- Fish and eat fish responsibly. Do not treat the catch limit as a target, only catch what you need and keep your catchsize legal. Purchase fish from suppliers who use the most sustainable fishing practices.
- Reduce high emission activity. Use public transport, cycle, or drive electric vehicles, offset, or reduce flights, reduce food waste, and reduce meat consumption.
- Plant trees, flaxes, and long grasses to keep waterways clear, and prevent sediment and pollutants going out to sea.
- Talk about ocean issues and marine protection. Less than half a per cent of New Zealand's marine environment is fully protected, compared with a third of our land.
- Donate to marine conservation organisations. The environment represents less than 3 per cent of donations to charities.
- Reduce pollution. Refuse and reduce plastic use and products that contain microplastics. Use reusable bags, refuse plastic packaging, drink bottles and bags, don't buy plastic gimmicks.

WHAT DOES NEW ZEALAND NEED TO DO?

- Fully protect 30 per cent of New Zealand's marine environment and/or place under rāhui by 2030.
- Reduce or eliminate the use of harmful fishing practices such as dredging, bottom trawling and Danish seining, especially in areas of high conservation value.
- Promote restoration of and create new mussel beds and mussel farms to filter sediment, improve water quality and increase abundance and diversity of marine life.
- Restore sea grass meadows, kelp forests, and riparian planting to reduce sediment runoff from land.
- Promote and advocate for mangrove forest protection to absorb and store carbon, trap sediment, and provide important habitats for juvenile organisms.
- Increase capacity of stormwater networks and Gross Pollutant Traps and encourage naturalised streams.
- Encourage connection with the ocean through sustainable marine tourism.
- Ensure the hulls of boats are cleaned and well maintained to reduce the spread of invasive marine pests.

Biodiversity / Rerenga rauropi



"When I look back 25 years, the first time I raced around the planet, our boats used to be surrounded by wandering albatross. In 25 years they're nearly all gone, through poor fishing practices. We're going to outline that." Sir Peter Blake

New Zealand's biodiversity is currently in freefall. Habitat loss and fragmentation, introduced mammalian predators such as rats, possums and stoats, invasive pest plants, and to a lesser extent diseases such as kauri dieback and myrtle rust have caused the extinction and decline of many native species. New Zealand has the highest rate of threatened or at-risk native species of any country in the world. This includes 90 per cent of all seabirds, 84 per cent of reptiles, 76 per cent of freshwater fish and 74 per cent of terrestrial birds. Changing land use can lead to habitat loss, and landscape degradation – including erosion of high value nutrient-rich topsoil.

Restoring ecosystems and boosting numbers of native species improves genetic resilience and improves system performance through processes such as pollination, water retention and soil conservation. Eradication of introduced predators is a key component of ecosystem restoration. Predator Free 2050 is an ambitious goal to eradicate the most damaging introduced predators from New Zealand, restore the nation's unique native species (natural taonga) and reduce impacts on New Zealand's economy and primary sector. Restoring New Zealand's biodiversity also offers benefits to mental health (spending time in nature decreases feelings of depression and anxiety and reduces stress).

WHAT CAN YOU DO

- Support and contribute to backyard, school, and community predator trapping and planting initiatives and remove invasive pest plants.
- Ensure cats are kept indoors in the evenings.
- Plant native plants rather than exotic species. Native trees support multiple ecosystems and life cycles.
- Support restoration projects such as restoring wetlands and waterways by encouraging riparian planting to mitigate the effects of land use on our waterways and retain soil moisture.

WHAT DOES NEW ZEALAND NEED TO DO?

- Continue the use of 1080 until new poisons, traps and biotechnologies are viable.
- Continue to invest in new trapping and bio-controls to improve the efficiency of pest eradication activity.
- Continue habitat restoration through native planting and predator control initiatives.
- Establish effective soil conservation measures in areas of significant national value.

Freshwater / Wai māori

"Good water, good life. Poor water, poor life. No water, no life." Sir Peter Blake

Water is the most valuable resource we have. Freshwater environments provide commercial, recreational and cultural value to society through harvesting kai, irrigation, hydroelectric energy, tourism, and for recreation (fishing, swimming, kayaking and rowing). But, increasing human pressures from clearing of native forests, draining wetlands, farming practices, exotic forestry, urbanisation and urban water infrastructure cause significant impacts on freshwater environments. The Our Fresh Water 2020 report reveals around three-quarters of native freshwater fish, and around two thirds of native freshwater birds are threatened with, or at risk of, extinction. More than 25 per cent of native freshwater invertebrates assessed, and one third of native freshwater plants assessed, are also threatened or at risk. The government aims to halt the decline in freshwater quality and ecological health and restore them within a generation.

In rural and urban environments, water quality and the health of streams, rivers and lakes can become degraded when excess sediment, nutrients, faecal contaminants and other pollutants entering the water bodies. Excess nutrients from fertilisers can drain into waterways and aquifers. This can negatively impact the health of freshwater

ecosystems by promoting algal blooms, adverse plant growth and eutrophication. These can lead to reduced oxygen levels and change the composition of plant and animal communities. Erosion and slips can result in higher amounts of sediment entering freshwater environments. When excess sediment enters the waterways, it can smother riverbed communities, reduce light penetration and impair the gills of small fish and filter feeders. In urban environments, retaining, restoring and enhancing existing elements of the natural drainage system, and integrating these elements into the urban landscape will reduce flow rates and prevent pollutants from entering the waterbodies.

Forty per cent of people in New Zealand rely on groundwater for their drinking water, yet that water is vulnerable to contamination and poor management – partly because we don't know enough about our natural groundwater reservoirs. Increasing temperatures and climate variability will result in increased flooding and longer or more frequent droughts. These changes will place added pressures on water resources and freshwater ecosystems. Extended dry periods will also put pressure on water resources.

WHAT CAN YOU DO

- Support restoration projects such as restoring wetlands and waterways by encouraging riparian planting to mitigate the effects of land use on our waterways and retain soil moisture.
- Reduce the risk of pollutants going into waterways. Rainfall runoff picks up plastics, motor oils, heavy metals and other pollutants from roads and drains, and carries them into waterways and out to sea. Refuse and reduce plastic use and when washing your car, try to let the water pass through soil rather than wash down the drain.
- Reduce water wastage (through lowered water pressure and usage when required) and improve water storage systems.

WHAT DOES NEW ZEALAND NEED TO DO?

- Implement effective management of fertiliser application to minimise nitrogen and phosphorous entering waterways.
- Implement effective exclusion of stock from waterways.
- Restore wetlands and waterways by encouraging riparian planting to mitigate the effects of land use on our waterways.
- Protect native freshwater fish, including minimising fish barriers.
- Eradicate freshwater pest animals and plants such as koi carp, didymo, and oxygen weed and prevent introduction of new pests.
- Repair and upgrade stormwater and wastewater networks and treatment infrastructure, and encourage naturalised streams and water-sensitive urban design.
- Develop sustainable water allocation and maintain aquifer health that safeguards water supplies and water treatment to mitigate drought and health risks.
- Establish comprehensive tree and forest cover, to promote transpiration and to mitigate drought and health risks.

Sir Peter Blake Trust Summary Consolidated Performance Report

Statement of Service Performance FOR THE YEAR ENDED 30 SEPTEMBER 2020

Sir Peter Blake Trust's Outcomes:

The role of the Trust is to 'inspire and prepare young New Zealanders to lead a sustainable future for Aotearoa'.

The Trust is aiming to achieve the following outcomes by September 2021:

- Prepare at least 400 people to lead a sustainable future for New Zealand.
- Inspire at least 40,000 people to care for the environment.

Sir Peter Blake Trust's Outputs:	2020	2019		2020	2019
1. PREPARE PEOPLE TO LEAD A SUSTAINABLE FUTURE BLAKE Leadership Awards The prestigious Blake Leadership Awards are conferred to individuals with the determination and will to succeed and a belief in achieving extraordinary things for New Zealand. 2020 Awards deferred to November 2020 due to COVID-19. AWARDS CONFERRED: BLAKE Inspire A week long leadership development adventure held in Waikato, targeting year 11-13 student environmental leaders. 2020 BLAKE Inspire programme was deferred to October 2020 due to COVID-19, but much preparation was completed in FY2020. STUDENT DELEGATES: BLAKE Inspire for sailors A week long leadership development adventure held in Auckland in July 2019, targeting young sailing environmental leaders. Programme cancelled in 2020 due to COVID-19. SAILING DELEGATES BLAKE Ambassadors Environmental field work with Department of Conservation, NIWA, Antarctica NZ and GNS, targeting tertiary students and graduates, 18-25 years old. BLAKE AMBASSADORS:	NA	8	Environmental Educator The opportunities for this year's educator included the expedition to the Kermadecs and attending BLAKE Inspire. This programme has been replaced by BLAKE Inspire for Teachers from 2019. NUMBER OF TEACHERS: BLAKE Inspire for Teachers A week long environmental education development opportunity for teachers held in Auckland in September (and October) 2020. TEACHER DELEGATES:	NA	1
	NA	56	2. INSPIRE PEOPLE TO CARE FOR THE ENVIRONMENT Young Leader Awards Supported by Westpac, Young Leaders from primary and intermediate schools are nominated by their school and presented with the award for all round leadership. AWARDS PRESENTED: BLAKE NZ-Virtual Reality Project Working in partnership with NZ Geographic, 360 video footage has been collected underwater at some of New Zealand's most important marine locations, and used for environment education within schools and publicly. Due to lockdown of schools throughout COVID-19 in 2020, the number of students has decreased from the previous year. CHILDREN REACHED IN FACE TO FACE CLASSROOM SESSIONS	354	470
	NA	30			
	10	13		12,655	15,332

Additional Output Measures:

Sir Peter Blake Trust is a small organisation with limited resources. The Trust extends its reach into the community by encouraging other groups to engage in activities which encourage leadership development and environmental awareness.

Collaboration

Collaboration with schools, community groups and businesses is a key feature of the Trust's programmes. Collaborative partners involved in our programmes include Westpac New Zealand, Ministry for the Environment, Ministry of Education, Department of Conservation, New Zealand Geographic, Royal New Zealand Navy, Emirates Team New Zealand, Massey University, University of Auckland, University of Otago, NZ Maritime Museum, Genesis Energy, Tourism Holdings Ltd, NIWA, Antarctica New Zealand, Tainui, Ngāti Paoa, Sawmill Brewery, Auckland Council, GNS, and New Zealand schools.

Significant Events

COVID-19 reduced the number of students we were able to reach between October 2019 and September 2020. This included the cancellation of BLAKE Inspire for Sailors and the subsequent postponements of BLAKE Inspire from April 2020 to October 2020 (2021 FY) and the BLAKE Awards from September 2020 to November 2020 (2021 FY). BLAKE NZ-Virtual Reality student numbers were also down as school closures during the lockdowns prevented school visits being held.

Sir Peter Blake Trust Summary Consolidated Performance Report cont.

Summary Consolidated Statement of Revenue and Expense

FOR THE YEAR ENDED 30 SEPTEMBER 2020

	2020	2019
Revenue		
Donations and grants	399,306	329,896
Investment income	182,823	191,413
Sponsorships	279,697	326,757
Programme service revenue	423,564	443,284
Red socks revenue	-	124
Other income	21,829	39,628
Net change in fair value of investments	-	186,806
Total revenue	1,307,219	1,517,908
Expenses		
Administration expenses	117,627	183,574
Employee costs	796,973	786,491
Fundraising expenses	70	314
Programme expenses	145,403	340,860
Amortisation and depreciation	33,923	25,782
Net change in fair value of investments	334,516	-
Total expenses	1,428,512	1,337,021
Net (deficit) / surplus	(121,293)	180,887

Summary Consolidated Statement of Movement in Trust Funds

FOR THE YEAR ENDED 30 SEPTEMBER 2020

	2020	2019
Trust funds as at 1 October 2019	4,688,707	4,507,820
Net (deficit) / surplus	(121,293)	180,887
Trust funds as at 30 September 2020	4,567,414	4,688,707

Sir Peter Blake Trust Summary Consolidated Performance Report cont.

Summary Consolidated Statement of Financial Position

AS AT 30 SEPTEMBER 2020

	2020	2019
Trust funds	4,567,414	4,688,707
Assets		
Current assets	712,273	518,902
Non-current assets		
Property, plant and equipment	66,728	56,127
Intangibles	12,755	700
Investments	4,299,814	4,597,240
	4,379,297	4,654,067
Total assets	5,091,570	5,172,969
Liabilities		
Current liabilities	524,156	484,262
Non-current liabilities	-	-
Total liabilities	524,156	484,262
Total net assets	4,567,414	4,688,707

Summary Consolidated Statement of Cash Flows

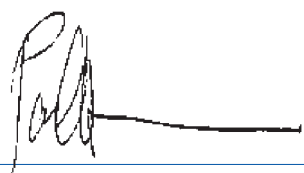
FOR THE YEAR ENDED 30 SEPTEMBER 2020

	2020	2019
Net cash inflow from operating activities	227,012	270,511
Net cash outflow from investing and financing activities	(93,618)	(1,124,647)
NET INCREASE (DECREASE) IN CASH AND CASH EQUIVALENTS	133,394	(854,136)
Opening Cash and Cash Equivalents	347,033	1,201,169
CLOSING CASH AND CASH EQUIVALENTS	480,427	347,033

For and on behalf of the Trustees, who authorise the issue of these financial statements on the date shown below:

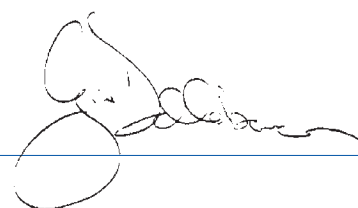
TRUSTEE

Paul Reynolds
18 December 2020



TRUSTEE

Gina Dellabarca
18 December 2020



Phone: +64 9 307 8875, Email: info@blakenz.org
Sir Peter Blake Trust, PO Box 106-955, Customs Street 1143, Auckland

Notes to the Summary Consolidated Performance Report

FOR THE YEAR ENDED 30 SEPTEMBER 2020

1. Accounting Policies

Basis of Preparation

The summary consolidated performance report presented is that of the Sir Peter Blake Trust ("the Trust") and includes Sir Peter Blake Charity Limited. The summary consolidated performance report has been prepared in accordance with FRS 43 (Summary Financial Statements).

The full consolidated performance report has been prepared in accordance with Tier 3 PBE SFR-A (NFP) Public Benefit Entity Simple Format Reporting - Accrual (Not-for-Profit) on the basis that the entity does not have public accountability and has total annual expenses of equal to or less than \$2,000,000. Tier 2 PBE policies have been applied in the preparation of the consolidated performance report:

- PBE IPSAS 6 (NFP) Consolidated and Separate Financial Statements.

- PBE IPSAS 29 (NFP) Financial Instruments - Recognition and Measurement.

The presentation currency used in preparing this summary consolidated performance report is the New Zealand dollar, and amounts have been rounded to the nearest dollar.

The information presented in this summary consolidated performance report has been

extracted from and is consistent with information presented in the full audited consolidated performance report. These were authorised for issue by the Trustees on 18 December 2020. The auditors' report on the full consolidated performance report for the years presented did not refer to a fundamental uncertainty and was not modified in any way. The summarised consolidated performance report does not include all the disclosures provided in the full consolidated performance report and cannot be expected to provide as complete an understanding as provided by the full audited consolidated performance report, which is available on request or from our website www.blakenz.org

Changes in accounting policies

The accounting policies applied during the year are consistent with those used for the year ended 30 September 2019.

2. Endowment

An initial endowment of \$3,800,000 was received from the New Zealand Government on 22 October 2003. The \$3,800,000 endowment was provided as a means for the Trust to generate income to pursue the objectives of the Trust. The Trustees endeavour to protect the value of the endowment and this is represented by the Accumulated Trust Funds carried forward.

3. Charitable Status and Taxation

The Sir Peter Blake Trust and the Sir Peter Blake Charity Limited are registered charities and are exempt from income tax on income derived by the trustees in trust for charitable purposes in New Zealand.

4. Related Parties

The Trust was incorporated on 17 December 2003. Sir Peter Blake Charity Limited was incorporated 15 August 2006 and is 100% owned by the Sir Peter Blake Trust. The company was incorporated to undertake the operating functions, while the Trust undertakes the investing functions.

The Board of Trustees includes individuals from organisations with common objectives and areas of interest. Several of these organisations also provide commercial sponsorship, service contracts, and assist with fundraising events. For 2020, these included Ministry of Education, Ministry for the Environment, National Institute of Water and Atmospheric Research (NIWA), Royal New Zealand Navy, and Westpac New Zealand Limited.

5. Commitments and Contingencies

There were no capital commitments or contingencies as at 30 September 2020 (2019: \$nil).

Sponsorship and Grants

The Trust is grateful for the support of the following sponsors and partners:

Westpac NZ
Antartica New Zealand
Department of Conservation
Grassroots Trust Limited
KPMG
Ministry of Education
NIWA
Royal New Zealand Navy
Auckland Council

Foundation North
Hugo Charitable Trust
Lottery Grants Board
Ministry of Social Development
Pub Charity Limited
Schmidt Family Foundation
Chapman Tripp
Giltrap Group
Joyce Fisher Charitable Trust

Ministry for the Environment
New Zealand Geographic
PwC
World Wild Life Fund New Zealand
Sawmill Brewery
Fuji Xerox
The Warehouse Group
The Lion Foundation



Support Us

BLAKE is a non-profit organisation which relies heavily on donations and support from sponsors, partners, community trusts and grants.

Every dollar counts, so we're incredibly lucky to have a strong network of generous supporters and helpers, who share Sir Peter's passion and values, and support BLAKE through donations and fundraising activities.

HOLD A FUNDRAISING EVENT

Schools, businesses, teams and communities can create their own fundraising event. It could be a sponsored activity, sporting challenge or social event. Some examples are school coin trails or Red Sock multi-days, and triathlons - be as creative as you like!

BUY RED SOCKS

Red Socks are available to purchase online at The Warehouse for \$5 a pair.

DONATE

Your generous contribution will help us continue Sir Peter's legacy by delivering environmental programmes that inspire people to care for the environment and lead positive change.

BECOME A PARTNER

Join other inspiring businesses and organisations who share our vision by becoming a partner of BLAKE through sponsorship or support of our programmes and organisation.

For more information go to **blakenz.org**