

# 2020 IMPACT REPORT

Vibrant Reefs  
Thriving Communities





## Our Mission

We partner with island communities to combine traditional stewardship and modern resources to protect coral reefs.

### BOARD OF DIRECTORS

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Page 11: Manta ray © Aaron  
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Page 16: Orange sea fan © Lightning Strike Pro

We are grateful to the OneReef staff and Micronesian community members who provided all other photos.

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## A MESSAGE FROM MICRONESIA



WAYNE ANDREW



MADELSAR NGIRAINGAS

**The urgent need to protect local habitats across the Micronesian region intensified with the onset of the global pandemic.** As borders closed, the peoples of Micronesia were forced to consider life without all of the amenities that globalization had ushered in over the course of a mere century. COVID stimulated a cultural renaissance, proliferation of domestic production, diversification of economic platforms, and creative application of technology to our advantage. Despite the ravaging effects of the pandemic worldwide the peoples of Micronesia experienced a renewed sense of hope as our tiny islands remained, for the most part, COVID-free. Whether we consider it a blessing or pure luck, **it certainly revealed our resilience as a people** and reminded us about the wealth of traditional knowledge, natural resources, human capabilities, and functional systems that are within our shores.

Our deep sense of respect and responsibility for the environment guides Community Conservation Officers (CCOs/rangers) from villages across Micronesia who continue to **volunteer their time and dedicate much of their lives to protect and manage their reefs and ocean.** In most cases, CCOs earn low or no wages, patrol remote areas, and face substantial dangers from foreign poachers. They continue to follow long-established principles and practices that fundamentally shaped our traditional systems of natural resource management, biodiversity conservation, and environmental justice. This traditional ethos is profoundly linked to our cultural identity. It is why our friends from Hatohobei were able to reject multiple offers of bribes that amounted to ten times more than their humble wages. **To protect our island environments is to safeguard our identity as a people with a distinct culture.** We are grateful to global partners who value our critical role and continue to invest in our communities. The combination of global champions and local heroes makes the work we do at OneReef rewarding and meaningful.

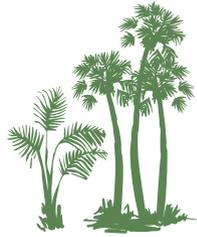
Wayne Andrew  
Senior Director  
Micronesia

Madelsar Ngiraingas  
Managing Director  
Micronesia

# YEAR AT A GLANCE

## NAVIGATING THE ROUGH WATERS OF THE PANDEMIC

COVID-19-related restrictions and disruptions negatively impacted community livelihoods and our revenues. Still, together with our supporters and community partners we accomplished a lot! A large bribe was refused to thwart poachers, our work together won an award from the Blue Climate Initiative for community-based climate solution, and the Micronesia team was pledged the most extensive grant in OneReef's history from Nia Tero.



### OCTOBER

#### US FORESTRY SERVICE GRANT

OneReef works with Ngarchelong rangers to win a grant for Ridge to Reef support. A large upland area will be reforested to reduce soil erosion onto reef areas.



### MARCH

#### NEW FRONTIER!

Ngarchelong team trained by OneReef and Scripps Institution of Oceanography independently image 6 sites in Palau using cutting-edge photogrammetry technology.



### JUNE

#### POHNPEI TEAM IMAGES REEFS INDEPENDENTLY

Team from Conservation Society of Pohnpei (CSP) image 8 reef sites in Pohnpei (FSM).



### AUGUST

#### NGARCHELONG COMMUNITY PARTNERSHIP FORMALIZED

Several years of OneReef support of coral reef protection initiatives in Ngarchelong State (Palau) culminate in a MOU signing ceremony on August 31st.



### OCTOBER

#### EQUIPMENT TRAINING AND 2 NEW MPAS!

OneReef renews agreements with 5 communities and signs agreements for 2 new MPAs (Nanwap, Nahtik) in Pohnpei, managed jointly by 9 communities. Trains 7 surveillance teams in the use of OneReef-provided equipment for improved, safer collection of litigable evidence.



### NOVEMBER

#### ANT ATOLL FLOATING RANGER STATION DEPLOYED!

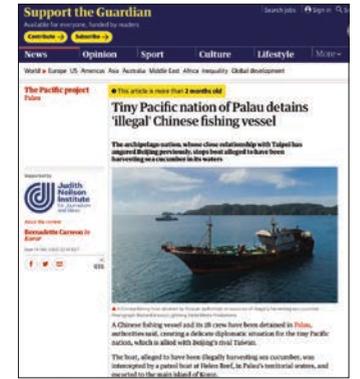
An engine for this mobile station allows for multi-day and night patrolling, making it a potent deterrent.



### DECEMBER

#### BLUE CLIMATE INITIATIVE INTERNATIONAL AWARD WINNER

OneReef is one of six winners from 82 applicants across the world for the Blue Climate Initiative's Community Award for Ocean-Related Climate Solutions.



### DECEMBER

#### SMALL RANGER TEAM FOILS 28 POACHERS IN LARGE VESSEL

Resisting bribes, rangers of the Hatohebei community, trained and equipped by OneReef, apprehend and detain Chinese vessel poaching at Helen Reef Atoll.



### APRIL

#### 50TH ANNIVERSARY OF EARTH DAY

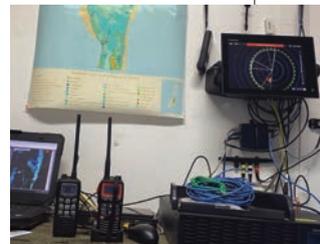
OneReef and Hatohebei community (Palau) mark the event with coastal clean-up, and planting trees to prevent erosion.



### JUNE-AUG

#### TRADITIONAL STEWARDSHIP CAMP, SONSOROL STATE

OneReef and Sonsorol (Palau) host summer camp so young people can learn traditional practices of sustainable island living from Elders.



### SEPTEMBER

#### RANGER TRAINING AND GROUND TRUTHING, NGARCHELONG

As part of our signature mentoring program Ngarchelong rangers trained on how to approach poachers and make citations. Ground truthing for M2 radar complete.



### OCTOBER

#### THIRD LOCAL TEAM IMAGES REEFS INDEPENDENTLY

Helen Reef team images 6 iconic dive sites in Southern Lagoon, Palau — a OneReef and Palau Visitors Authority joint effort to better manage high use reefs.



### NOVEMBER

#### TRADITIONAL STEWARDSHIP CONFERENCE, POHNPEI (FSM)

OneReef co-sponsored this forum which culminates in a formal resolution to manage mangrove ecosystems in Pohnpei state through traditional practices and modern legislation.



### DECEMBER

#### TURTLE SANCTUARY ESTABLISHED IN POHNPEI (FSM)

Led by Rohsa William Hawley, OneReef partner communities, Ant and Pakin, succeed in getting ~36,000 acres legally designated as a turtle conservation zone.



### DECEMBER

#### BOATS AND FLOATING STATION IN POHNPEI (FSM)

Funding for boats with engines to use in patrolling and surveillance in Nahtik and Palikir MPAs (Pohnpei, FSM). Floating ranger station for Takaio-Dehpek gets engine to increase patrolling effectiveness.

### DECEMBER

#### 10th ANNIVERSARY OF FIRST AGREEMENT

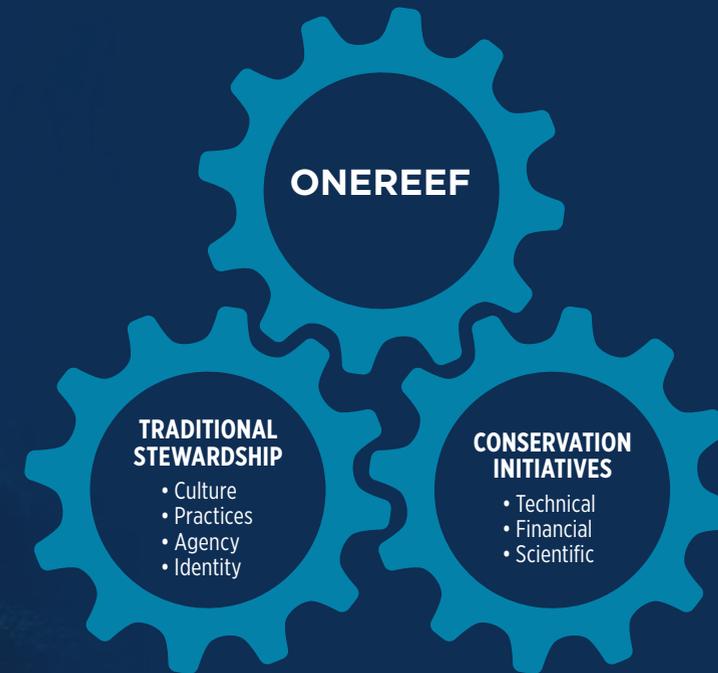
OneReef's formative partnership with the extraordinary Hatohebei community has led to 10+ community partnership agreements. Our joint efforts inspire reef protection throughout Micronesia.



We believe that island communities are the most effective environmental stewards when armed with the right partnerships and resources.

# Our Unique Approach

BRIDGING TWO WORLDS



## Untapped Potential

For centuries, indigenous peoples have protected nature and ensured the survival of endangered species. We focus on a highly valuable yet underutilized solution — synergy between people with traditional knowledge and those with material and technical wealth who value the existence of healthy ecosystems.

## Community-Led and Equitable

Marine protection is most successful when communities are in control. We work on-the-ground with communities and local governments, leveraging relationships to get results.

## Long Term and Adaptive

Funding cycles can prohibit the realization of protection that lasts. OneReef does not leave after a few years; we work with partner communities for as long as it takes, and make course corrections as needed.

## OneReef Model

### A SCALABLE SOLUTION FOR CONSERVATION THAT ENDURES

OneReef's **Community Partnership Agreement Model** is a proven way to accomplish long-term conservation success.

- We combine traditional stewardship with the right resources and link economic benefits to conservation.
- Agreements include the community's 20-year vision, shared commitments and expected outcomes, a spatial management plan, impact monitoring plan, and more.

### THE RIGHT PEOPLE IN THE RIGHT PLACES

Our community partners have a strong “eco-identity” and take responsibility for their environment. They want their reefs to thrive in the face of overfishing and climate change.

### THE RIGHT TOOLS AND RESOURCES

Our community partners need financial, scientific, and technical resources to protect their reefs. OneReef mentors community members: (1) Training, tools, infrastructure to increase agency (2) Support for management plans (3) Science-based impact measurement (4) Long-term, leveraged financing.

### THE RIGHT PARTNERSHIPS

We align private and public funds, technology, and science. Working hand-in-hand, OneReef, communities, elected leaders, funders, and technical and scientific partners combine modern resources with traditional stewardship. Joint problem-solving and meaningful engagement create enduring value. 🐠

# Strong Relationships Vital in Tough Times

THIS PAST YEAR VALIDATED OUR EMPHASIS ON BUILDING DEEP RELATIONSHIPS



For an effective, cost-efficient model, we forge partnerships with organizations that are leaders in the field, for scientific monitoring, surveillance technology, and traditional stewardship among others.

## PARTNER SPOTLIGHT

### Global Conservation Priceless Collaboration

In Palau, rangers are environmental stewards tasked to prevent poaching on rich coral reefs owned and managed for centuries by their community. It is their ancestral responsibility and an honored duty. Imagine what it is like to own that responsibility but not have the necessary equipment and training needed to execute. In partnership with Global Conservation (GC), OneReef equipped



rangers with critically needed protection systems, technology, and training. Now, these same rangers operate safely, lawfully, in well-equipped boats, using a novel software and radar system to track vessels in protected zones. Rangers can now report with confidence to their community and leadership.

### Ngarchelong A Prolific Year

Ngarchelong state and Kayangel state co-manage one of the largest coral reef systems in Palau, the Northern Reefs (1,964 sq km or 485,315 acres). In 2017, OneReef started testing ProtectedSeas' marine monitor (M2) radar system for this marine managed area. In 2020, OneReef and Ngarchelong signed a formal partnership agreement that combines the community's traditional stewardship principles and practices with financial and technical support from OneReef. OneReef provided training and mentoring to rangers, helped test and deploy the M2 Radar, and assisted the Ngarchelong team



with monitoring reefs using cutting edge photogrammetry technology from Scripps Institution of Oceanography.



### Takaiou-Dehpek Traditional Chief Embraces Modern Tools

Galvanized by a poacher's houseboat that drifted into their marine managed area, OneReef's community partners, Takaiou-Dehpek (Pohnpei State, FSM), moved swiftly to boost their reef protection capabilities in 2020. Inspired by the floating ranger stations used by other OneReef community partners Kaday-Okaw (Nimpal MPA, Yap State, FSM) and Nanpei Estate (Ant Atoll, Pohnpei State, FSM), Takaiou Traditional Chief, Pedro Primus (shown below on the right), designed a unique floating station that is powered by a



boat engine. This cost-effective adaptation permits wider coverage of their remote and expansive MPA and permits unpredictable mobility to deter poachers. This mobile ranger station, along with basic surveillance equipment and training provided by OneReef, has set Takaiou-Dehpek up for successful coral reef protection. 🐟

# The Work Must Go On!

DESPITE THE PANDEMIC, THE WORK CONTINUED FULL-STEAM IN ONEREEF PARTNER COMMUNITIES PROTECTING CORAL REEFS. HERE ARE SOME HIGHLIGHTS.



## Traditional Stewardship Skills Camp



Supporting island communities to revive and strengthen their traditional knowledge enhances their resilience and ability to protect coral reefs. So, in June, OneReef and Sonsorol State (Palau) co-hosted a 2-month-long skills camp, during which young men and women learned from community elders about the traditional way of living harmoniously on islands. Participants built a canoe-house and canoes, learned about island currents, and constructed a seasonal calendar. They fished using traditional methods, learned about fish behavior, and how to handle different fish. They studied traditional medicine, food preparation and preservation, and weaving. As Governor Nicholas Aquino noted, transferring traditional knowledge and skills to the younger generation is vital for the identity of the community and to make it more resilient.

## Turtle Sanctuary Established



In December, Pohnpei state (Federated States of Micronesia) legally established Ant Atoll and neighboring Pakin Atoll as a Sea Turtle Conservation Zone. The combined zone covers about 36,000 acres and includes vital nesting grounds on the beaches of the atolls and protects the critically endangered Hawksbill sea turtle and the endangered green sea turtle. The effort to create this Sea Turtle Conservation Zone was led by William Hawley, the Rohsa (traditional leader) of Ant Atoll, a OneReef partner. This exemplary initiative is likely to create a ripple effect in neighboring communities.

## Traditional Stewardship Forum



For centuries, Micronesians have used traditional stewardship systems to protect their environment. Modern approaches have undermined the authority of indigenous communities to control and effectively manage their resources. In November, at a forum co-hosted by OneReef in Pohnpei (FSM), traditional and municipal government leaders established a formal resolution to: (1) commit to work together, and (2) create an ad-hoc group to advance the management of mangrove ecosystems in Pohnpei State through traditional practices and modern legislation. This initiative reaffirmed traditional systems' enduring power in conservation and the value of combining it with current systems and technologies.

## Imaging of 20 Sites by Local Islanders



OneReef worked with three different communities in Palau and Federated States of Micronesia to image 20 reef sites using cutting edge photogrammetry technology from Scripps Institution of Oceanography (SIO). Scripps scientists are excited because it saves them time and money, allowing us to monitor more reef areas. It's pivotal because OneReef Partner Community members who do the day-to-day reef management now wield a powerful tool to track impacts from climate change and human activity. Our island stewards are thrilled to have self-procured imagery to communicate reef health to leaders and peers and advocate remedial measures. With island teams employing hi-tech reef monitoring tools previously only used by scientists, we are at a new frontier of coral reef conservation!

# 10th Anniversary of a Groundbreaking Partnership



**Helen Reef (Palau)** is important to the Hatohobei (Tobi) community for their cultural identity and food security. The Tobi community's conservation efforts for Helen Reef was the very first community partnership for OneReef and it sparked partnership agreements with other island communities in the region. 2020 marked 10 years of successful partnership between OneReef and the Tobi community.

## Success Against the Odds

Hatohobei (Tobi) is the southernmost of Palau's 16 states, consisting of Tobi island and Helen Reef Island. Helen Reef is a large coral reef atoll located about 40 miles east of Tobi island and is one of the Pacific's most outstanding atolls in terms of ecological integrity, marine life abundance, and biological diversity. Tobi is sparsely populated and lies 360 miles south-west of the nearest town, Koror (Palau's capital). Distance and limited access to resources hinder efforts made by the small community to protect the vast, productive reef from poachers who travel from parts of Asia to reap its bounty.

When Tobi's community leader contacted Chris LaFranchi in 2006, OneReef was only an idea. Our initial partnership with the Tobi community was a challenging test: to help a very small community protect a large area in difficult circumstances (an isolated, uninhabited atoll closer to the fishing markets of Asia than Palau). **But the intrepid Tobians prevailed and the OneReef model had its first success!**

[READ MORE ON THE ACCOMPLISHMENTS OF THIS DECADE-LONG SUCCESSFUL PARTNERSHIP ON THE NEXT SPREAD >](#)

# Haparue ma Towahi

Tobian phrase for Traditional Stewardship, rooted in respect and humility.

## Technical Abilities

In 2019, OneReef and Scripps Institution of Oceanography trained three island teams, including the Helen Reef Rangers, in cutting edge photogrammetry technology to monitor reef health over time. In October 2020, with support from OneReef, the team from Helen Reef independently imaged several iconic dive and snorkeling sites in the Southern Lagoon (Koror State), Palau's only World Heritage Site. This will help Koror State and Palau determine how climate change and tourism impacts these critical sites and help manage these important treasures.



## Exemplary Progress—Helen Reef 2020 versus 2010

### SYSTEMS AND PROCESSES

Since 2010, the Helen Reef Community has established strong systems for building ranger capacity and bolstering community support for its conservation program. Through its partnership with OneReef, the Helen Reef Program has improved its infrastructure by building a raised, and typhoon-protected Ranger Station, maintaining a desalination unit, and deploying a satellite phone. The last two socioeconomic surveys with the community indicate strong community support of the program and the recent biodiversity surveys identify Helen Reef as a model pristine site for Palau.

### MARINE LIFE

In the last 20 years, there have only been three research expeditions to Helen Reef Atoll to document its status; the first one was in 2000 to establish a baseline after the massive bleaching event in 1998. The most recent

expedition was in 2018 by the researchers at the Palau International Coral Reef Center (PICRC). The 2018 PICRC Monitoring Report compared data from 2018 with data from 2007 and 2000 and concluded the corals at Helen Reef Atoll took 10 years to fully recover from the 1998 bleaching event. They also noted only 21% coral cover in 2000 but it had increased to 44% by 2018. The PICRC 2018 report also noted that fish abundance and biomass are in a stable state. "A published study showed that the expected fish biomass in a 40 year old protected area, or a 'pristine reef' is 1,000 kg per hectare. Helen Reef has been protected since 2001, making it a 19 years old MPA, and the fish biomass is 730 kg per hectare which puts it on track to achieving pristine biomass, assuming no major adverse event disrupts this progress." PICRC concluded that Helen Reef is the only place that they have surveyed in Palau that can be categorized as a "pristine reef" because of its fish biomass. It's also a resilient reef because it rebounded quickly from the massive coral bleaching event in 1998.



SOURCE: <https://picrc.org/picrcpage/2019/07/25/picrc-study-shows-that-hotsarihie-mpa-took-10-years-to-recover-from-1998-bleaching-event/>



## HOPE Hatohebei Organization for People and Environment

Established in 2010, HOPE is part of the Tobi community's effort to make the Helen Reef Conservation Program sustainable. HOPE's goal is to help maintain a well-trained team and systems that can respond to illegal fishing activities at Helen Reef and to ensure long-term financial and technical support of the program. Since its creation, HOPE has leveraged funding to



maintain an effective team, set up a reserved and endowment fund for the program, and established a system of patrolling, record keeping, reporting and evaluation that is indispensable for adaptive management. HOPE has also supported discussions on community climate change adaptation, and traditional skill education.



## Women's Circle

Like most traditional gender-based groups, the Hatohebei Women's Circle is composed of female members of the village who serve as custodians of community childcare and eldercare, as well as cultural, health, and food production systems. Members also maintain deep ties to the environment and rely on traditional stewardship principles and practices to manage natural resources.



## Ranger Program

Helen Reef atoll has four rangers (one senior ranger and three active rangers) that man the station on a 3-4 months rotation period. The assignment is lengthy, challenging and isolating. Families accompany most of the rangers, demonstrating the strength of their commitment, especially since they often make a conscious choice to forgo more lucrative jobs. Major duties include routine patrols, surveillance, and deterrence activities on and around Helen Reef, 24/7. They also collect data on natural resources such as marine turtles and birds. Data is reported to the Program Manager in the main office in Koror via SSB radio (ICOM-single sided band radio), twice a day. Safety remains a concern because the rangers and their families are so far from Koror and any immediate help. Despite these challenges and risks they remain motivated and excited about protecting Helen Reef — this trait is a hallmark of the cultural identity of the Tobi community.



## Rangers at the Frontline!

In December 2020, the Helen Reef Ranger team of 5, led by Senior Officer Hercules Emilio, apprehended and detained a Chinese vessel crewed by 28 men off the southwest coast of Helen Reef. Using the training and resources provided by OneReef, the rangers were able to safely engage

with the poachers, resist their offers of bribery, and report the vessel to Marine Law Enforcement in Koror. Program Manager Rosania Victor was closing the office for the day when the call came in. She stayed late into the night providing guidance and making arrangements to ensure the safety of the rangers and the integrity of their work. When rangers declined the first bribe, the poachers increased the offer to the equivalent of five times what the rangers earn in a year! Without letting anything on, the ranger team monitored the ship through the night awaiting back-up. Their resolute action resulted in the ship being captured the next morning by Palau's new Guardian-class patrol boat with a 19-man crew. This is reportedly the first time a Chinese crew has been intercepted and detained in Palau's territorial waters.



Left to right: Tony Chayan, Petra Tkel (married to Hercules Emilio), and Hercules Emilio. (Not shown, the other two in the team are trainees Shelby Tohn, and her partner, Brian Fidiy.)



## Biocultural Powerhouse



Rangers at Helen Reef Atoll faced a life-altering decision. Should they accept cash bribes higher than their annual pay offered by Chinese fishermen to turn a blind eye to poaching? They declined. Then they quietly called in Palau's enforcement patrol vessel. That's what we mean by biocultural powerhouses. Micronesia produced celestial navigators and people with highly evolved ways of stewarding environments. Rangers at Helen Reef have quite a pedigree. 🐟

# Accomplishments in Numbers

**11**  
MPAs  
(includes **2 new MPAs**)

**97+**  
Rangers trained/  
mentored

**20**  
Reef sites imaged

**2**  
Boats funded

**4**  
Engines funded

**1**  
Ranger station  
co-funded

**25**  
Initiatives  
funded or  
supported  
(includes  
**6 new initiatives**)

*NOTE: Some initiatives fall in 2 categories and are counted in both.*

**5**  
Training/mentoring

**5**  
Community workshops

**4**  
Traditional stewardship  
outreach/workshops

**7**  
Scientific/technical  
activities

**4**  
Collaborating events/  
conferences

**146,114\***  
Hours of monitoring and surveillance  
(\*includes **100,958 volunteer hours, driven by Micronesian culture of stewardship**)

**7,466**  
M2 radar surveillance uptime hours

**575,347**  
Acres of Marine Managed Area protected  
(includes **938 acres in new MPAs**)

**20**  
Communities supported financially or through  
engagement (includes **9 new communities**)

**49**  
Surveillance  
equipment  
provided

**8**  
Drones

**6**  
GPS

**18**  
Lifejackets

**8**  
Marine hand-held radio sets

**3**  
GoPro underwater cameras

**6**  
Cameras, binoculars, and  
accessories

Partnering with Pacific Islanders unlocks the power of centuries of knowledge and the kind of relationship with nature that we need today.



# OneReef Heroes

We feel privileged to work with so many energizing and talented people. A few are spotlighted here.



**Clifford "Poch" [Po] Osima**  
NGARCHELONG STATE RANGER, PALAU

Osima is a Palauan Traditional Steward engaged in modern-day surveillance, enforcement, rescue, and reef health monitoring activities. He has been indispensable in helping OneReef deploy cutting-edge technologies to reduce poaching and to monitor reef health in Ngarchelong. His resourcefulness and dedication enhances our capabilities in Palau and the rest of Micronesia.



**ProtectedSeas**

OneReef and ProtectedSeas partnered in 2017 to install their Marine Monitor radar system in Ngarchelong State, Palau. Samantha Cope said, "The efforts of Ngarchelong Rangers and OneReef to utilize conservation technology to enhance protection (of MPAs) go hand in hand with our mission at ProtectedSeas to provide accessible solutions for communities striving to ensure ocean protections are realized."



**Akilino Albis**  
TRADITIONAL NAVIGATOR AND MASTER CANOE CARVER,  
SONSOROL STATE, PALAU

Albis gained traditional navigation and canoe-building knowledge from his father. He learned native medicine from his mother, which has helped him save the lives of his crew and many islanders. Albis taught in the OneReef Traditional Stewardship 2020 camp and is excited to continue his role to realize his dream of passing "precious traditional knowledge" to the next generation.



**Rosania Victor**  
HELEN REEF PROGRAM MANAGER,  
HATOHEBEI STATE, PALAU

Victor was instrumental in thwarting the recent poaching episode at Helen Reef. She has worked passionately for 20+ years with state and national stakeholders. She supports most of the field activities and training, including resource monitoring, logistical planning, and providing vital back-up support for high-risk poaching events.



**Patterson Lawrence**  
POHNPEI COMMUNITY CONSERVATION OFFICER LEAD,  
PAKIN, FSM

Lawrence is a force multiplier in Pohnpei. For 10+ years he has helped establish ranger programs in multiple communities, trained community members in anti-poaching and surveillance tactics, mentored young people for leadership roles and volunteered 2500+ hours a year for patrolling. His respectful approach to poachers, rooted in traditional ways, increases compliance.



**Angel Jonathan**  
EDUCATION OUTREACH OFFICER,  
CONSERVATION SOCIETY OF POHNPEI (CSP), FSM

Jonathan is considered a champion for the environment in Pohnpei. His accomplishments include the CSP Outreach RoadShow and a well-organized community effort to monitor the Nanwap MPA. He also performs a crucial role as the OneReef Community Partnerships Coordinator in Pohnpei State, providing on-the-ground support and mentorship to partner communities.



Thank you to our Partners, Collaborators, and Funders for supporting our conservation efforts in 2020.

## PARTNERS, COLLABORATORS, AND FUNDERS

### INSTITUTIONS

INSTITUTIONS	HOW THEY WORK WITH US
<b>CONSERVATION SOCIETY OF POHNPEI</b> <i>Pohnpei FSM</i>	Serves as a liaison between OneReef and community partners in Pohnpei, Federated States of Micronesia. Also supports overall community engagement, coral reef monitoring, and education/outreach programs
<b>EBIIL SOCIETY</b> <i>Ngarchelong, Palau</i>	Reinforces traditional stewardship principles and practices in partnership with the Ngarchelong State Division of Law Enforcement and Conservation
<b>GLOBAL CONSERVATION</b> <i>San Francisco, California</i>	Partner in co-funding and evaluating investments in community enforcement of protected areas
<b>HATOHBEI ORGANIZATION FOR THE PEOPLE &amp; THE ENVIRONMENT</b> <i>Koror, Palau</i>	Serves as the fiscal agent for the OneReef Community Partnership Agreement
<b>KC&amp;OC</b> <i>Yap FSM</i>	Fiscal agent for the communities that manage Nimpal Conservation Area to help administer financial support for their marine conservation initiatives
<b>KOROR STATE GOV'T CONSERVATION &amp; LAW ENFORCEMENT</b> <i>Palau</i>	Collaboration to image Koror State's iconic dive sites in the Koror State Southern Lagoon, a UNESCO World Heritage site since 2012
<b>MARCELLA FOUNDATION</b> <i>Pohnpei FSM</i>	Fiscal agent for the Ant Atoll community to help administer financial support for their marine conservation initiatives
<b>MICRONESIA CHALLENGE</b> <i>Pohnpei FSM</i>	Sets the stage for community-based marine conservation initiatives that inform and support the MC goals for the region
<b>MICRONESIA CONSERVATION TRUST</b> <i>Pohnpei FSM</i>	Fiscal agent that supports financial governance and co-investing by multiple funders
<b>MICRONESIANS IN ISLAND CONSERVATION</b> <i>Micronesia</i>	Regional network of conservation leaders that focus on building leadership capacity of conservation practitioners
<b>PACIFIC ISLANDS MANAGED AND PROTECTED AREAS COMMUNITY</b> <i>U.S. Pacific Islands and Freely Associated States</i>	Regional network that supports the capacity building of conservation practitioners, including OneReef staff
<b>PALAU CONSERVATION SOCIETY</b> <i>Koror, Palau</i>	Supports the development of marine management plans that inform OneReef Community Partnership Agreements
<b>PALAU INTERNATIONAL CORAL REEF CENTER</b> <i>Koror, Palau</i>	A partner in coral reef monitoring and scientific research
<b>PALAU VISITORS AUTHORITY</b> <i>Koror, Palau</i>	Collaboration on imaging Palau's iconic dive sites to support ecotourism and national marine conservation initiatives
<b>PROTECTEDSEAS</b> <i>Palo Alto, California</i>	Collaboration on use of M2 radar alert system to monitor vessel traffic in or near protected areas
<b>SCRIPPS INSTITUTION OF OCEANOGRAPHY</b> <i>University of California San Diego</i>	Collaboration on reef imaging, monitoring, science, communication of findings, and annual field expeditions
<b>THE NATURE CONSERVANCY</b> <i>Palau &amp; Pohnpei</i>	Provides additional community engagement support in relation to the development of co-managed marine managed areas
<b>YAP COMMUNITY ACTION PROGRAM</b> <i>Yap FSM</i>	Fiscal agent for the Ngulu community to help administer financial support for their marine conservation initiatives

### COMMUNITY PARTNERS

- Ant Atoll, Nanpei Estate  
*Pohnpei, Federated States of Micronesia*
- Dehpek-Takaiou Marine Sanctuary, Dehpek and Takaiou communities  
*Pohnpei, Federated States of Micronesia*
- Helen Reef Atoll, Hatohobei State  
*Hatohobei State, Republic of Palau*
- Nahtik Marine Sanctuary, Mwoakot, Soamwoai, Enipein Powe and Enipein Pah communities  
*Pohnpei, Federated States of Micronesia*
- Nanwap Marine Sanctuary, Lukop, Aparahk, Mesihso, Metipw and Dolopwhail communities  
*Pohnpei, Federated States of Micronesia*
- Ngulu Atoll  
*Yap, Federated States of Micronesia*
- Nimpal Marine Protected Area, Kaday and Okaw communities  
*Yap, Federated States of Micronesia*
- Northern Reef Marine Managed Area, Ngarchelong State  
*Ngarchelong State, Republic of Palau*
- Pakin Atoll, Pakin community  
*Pohnpei, Federated States of Micronesia*
- Palikir Pass Sanctuary, Palikir community  
*Pohnpei, Federated States of Micronesia*
- Sapwtik, Lenger community  
*Pohnpei, Federated States of Micronesia*

### MAJOR FUNDERS

- Anonymous
- Beagle Charitable
- Beyster Family Foundation
- Dawson Family Fund
- Fuller Family Foundation
- Mary Gard Jameson Foundation
- Morgan Family Foundation
- Perpetual Family Fund
- Posey Family Fund
- Stephen Malcolm Strachan
- Tetiaroa Society
- Warmerhoven Family Foundation
- Wilsdorf Mettler Future Foundation

*We are grateful to all our funders not listed here. Your contributions go a long way.*

# Goals for the Next 5 Years

BUILDING ON THE MOMENTUM

NOW

IN 5 YEARS

## SCALE AREA UNDER MANAGEMENT

- 13 community partnership agreements; 575,000 acres of coastal and marine area under management
- OneReef Micronesia office formed under a legal charter in Palau

- More than 30 community partnership agreements; 2 million acres of coastal and marine area under management
- Two legally independent offices established in Micronesia
- Governance informed by a board of Traditional Elders who interface with the US Board of Directors

## BUILD FINANCIAL LEVERAGE AND SUSTAINABILITY

- Annual revenues < \$1 million, \$200,000 in working reserves

- Annual revenues >\$ 4 million, \$ 2 million in working reserves
- Planned giving model, informed by Nudge Theory, with help from Richard Thaler at the University of Chicago, grows working reserves annually by 20%
- 25% of operations funded through public-private partnerships with the Republic of Palau and the Federated States of Micronesia

## EDUCATE FUTURE TRADITIONAL STEWARDS

- Ad hoc peer-to-peer learning and training

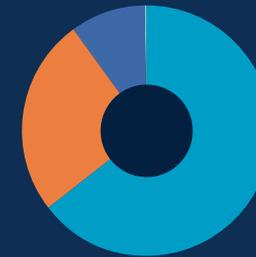
- Two traditional learning centers with set curricula established
- Elders employed through honorariums to record and apply traditional knowledge
- Experiential learning camps for youth on remote islands
- Regular skills training for ecological monitoring, storytelling, and spatial management

## MEASURE IMPACT

- All sites have a baseline ecological measurement, completed in collaboration with Scripps Institution of Oceanography and local institutions
- Most sites have had follow-up data collection, to start a time series
- A team of traditional stewards is experimenting with digital story maps to communicate findings

- Time series data at partner sites and reference sites reveals the ecological response to management
- Data extraction from imagery is increasingly automated using machine algorithms
- Socioeconomic indicator data are collected to help understand changes in human well-being at partner sites
- Communication of findings using novel story maps is led by three Micronesian teams

# FINANCIAL HEALTH



### 2020 REVENUE

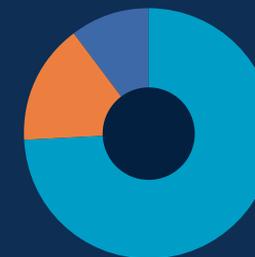
64.62%	Unrestricted donations and grants	\$458,812.54
25.46%	Restricted donations and grants	\$180,788.92
9.68%	In-Kind revenue	\$68,749.98
0.24%	Interest income	\$1,713.31

**TOTAL REVENUE \$710,064.75**



### REVENUE BY CATEGORY

60.85%	Foundations	\$432,112
17.60%	Grants	\$125,000
13.28%	Individuals	\$94,297.44
8.26%	Other (PPP loan, Interest Income)	\$58,655.31



### 2020 EXPENSES

74.32%	Programs	\$483,282.71
15.47%	Administration	\$100,625.43
10.21%	Fundraising	\$66,391.30

**TOTAL EXPENSES \$650,299.44**

Complete financial reports are available upon request. OneReef Worldwide Stewardship is recognized by the Internal Revenue Service as a 501(c)3 organization, #46-4293324.

# WHAT TYPE OF ANCESTOR DO I WANT TO BE? WHAT WILL BE MY LEGACY?

That question speaks to the strong sense of identity with islands, traditional knowledge, and stewardship. That identity is the heart and soul of what we do.

It means conservation officers at Helen Reef will refuse bribes. It is the superpower that enables a community to protect and care for coral reefs against the odds.

It sits at the center of our solution - the thoughtful synthesis of traditional stewardship with science and technology.

We can build a solution with cross-cultural collaboration that has enabled humanity to overcome its most urgent challenges - and leave a legacy to our children to inspire and inform.

OneReef is not only a story about protecting reefs. It is also about community and how the sharing of local knowledge has a critical role in conserving the region's coral reefs.

And so we have an additional goal - that is equally important.

OneReef plans to develop a network of traditional learning centers to ensure multi-generational sharing of traditions and experiences between communities and their marine environments.

These Centers will provide young Pacific Islanders a sense of belonging - and ownership - in protecting the marine environments that are vital to the communities' sense of health and well-being.

Join us!

Chris LaFranchi  
Founder & CEO



OneReef is a winner of Blue Climate Initiative's Community Award for Ocean-Related Climate Solutions.



[www.OneReef.org](http://www.OneReef.org)

United States office:  
114 Oak Knoll Drive  
Santa Cruz, California 95060  
Ph. 415.602.7302

Micronesia office:  
PO Box 475  
Koror, Republic of Palau 96940  
Ph. +680.488.4361  
[facebook.com/OneReefMicronesia](https://facebook.com/OneReefMicronesia)

