



2022-2023
Annual Report

REEFRESEARCH.ORG

INTRODUCTION TO *CCMI*

Our mission to be a leading research facility in the Caribbean focusing on the adaptation and resilience of coral reefs is as strong as ever. Our team of scientists conduct state-of-the-art experimental research, as well as 20+ years of monitoring and observational studies, to understand how coral ecosystems respond and evolve in the face of climate change. We are unique in the region in this regard. Using our understanding of coral biology, CCMI is able to support biodiversity action planning. We also maintain one of longest running coral restoration research programmes in the region, promoting biodiversity on coral reef ecosystems, helping to restore populations of threatened coral species across the Cayman Islands.

CCMI translates scientific knowledge into protection and conservation methods as well as developing education tools for our students. We take current research findings and pair them with immersive and engaging education and outreach initiatives that provide a range of learning and training opportunities. We provide over 100 local scholarships per annum and host more than 350 students from primary to tertiary school, including a robust internship programme for local and international early career scientists. Our flagship "Reefs Go Live" programme broadcasts live to 28 countries and reaches thousands of viewers each year.



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EXECUTIVE TEAM

Message

We bring you this annual report, combining 2022 and 2023, as CCMI enters a new era both celebrating our 25th anniversary in 2023 and developing exciting plans for the future. Our 25th anniversary is a significant organisational milestone, and it comes at a poignant time in our history as we prepare to become more impactful and grow our capabilities as the clear need for increased coral protection arises.

In 2022, the Board of Directors committed to our facilities expansion plans, which resulted in a formal launch of the Coral Fund in 2023 by HRH the Duke of Edinburgh. 2022 also saw the final border closures lifted from the Covid-19 pandemic after two years of restricted travel to the Cayman Islands.

Our remit remains stoic - coral reef ecosystems require immediate protection. CCMI is committed to understanding the impacts of natural and human-caused threats to biodiversity, including climate change, to create a meaningful pathway towards marine sustainability for the future. We have a clear strategic approach to our mandate, which includes the proven trifecta of research, conservation, and education.

This annual report outlines what we achieved during this transformative two-year period and reiterates our commitment to urgent and effective action regarding coral reef ecosystems.

Dr Gretchen Goodbody-Gringley

Director of Research

Kate Holden

Director of Advancement

Rob Hedges

Business Manager



OUR 2022 -2023

Deliverables

EXPANDING OUR HORIZONS

Growing our facility to expand our ability

We have a new US National Science Foundation grant to expand our wet labs, giving us the ability to conduct more experiments in-site, as we seek to understand how corals can adapt to extreme environmental change. We will also launch exciting plans to expand our accommodation at CCMI in 2023, doubling our capacity. We must grow our facility so we can conduct more impactful research and education simultaneously.

NEXT GEN FOCUS

Investing in our students, the leaders of the future

In 2023, we will support more than 100 local residential primary and secondary school scholarships, internships, and early careers opportunities, supporting the next generation and raising the profile of coral reef protection for the future here in the Cayman Islands. We will also continue to develop our Reefs Go Live broadcasts, which reaches over 100,000 people around the world each year, as well as developing our international internships and fellowship programmes to give the best scientists the opportunity to study Little Cayman's reefs.



KEEPING IT REEL

Pushing the boundaries of coral reef science

CCMI's Reef Ecology and Evolution Lab (REEL) at CCMI is cutting-edge, discovering how corals can be resilient for the future. We will continue to invest in the best people and technology to push the boundaries of scientific discovery and are supported by National Science Foundation, RESEMBID, and Darwin Plus Initiative grants.

PLEDGE TO PROTECT CORALS

A pledge we live by

The entire CCMI team, including our amazing Board of Directors, pledge to protect coral reefs for the future by developing innovative and impactful research projects, collaborating with the best scientists in the world, sharing, engaging in, and supporting education and outreach that WORKS.



CHAIRMAN'S *Message*



PETER HILLENBRAND 2022

In 2021, I began my tenure as CCMI's Chairman, a position I previously held from 1998 until 2015. As a resident and businessman of Little Cayman, CCMI's mission to protect the coral reef ecosystem has always been central to what I believe in – without a healthy reef system, not only does our tourism product go away but the ecological systems that we rely upon for our health, food and safety deteriorate in an unfathomable way. Hand in hand with our commitment to research is our commitment to educating our children and young adults. It can be argued that science and education are the key components to our successful future.

Our aim as a Board in 2022, in partnership with our executive team, was to stabilise and focus the organisation. We have invested in our people and adapted our financial management to be able to respond to ever changing global issues. We have created a new way of working at CCMI from top to bottom. 2022 was a significant year for research grants, and we held several VIP stakeholder events in the Cayman Islands and U.K., reinvigorating our commitment to CCMI's mission across a range of valued supporters.



TIM KARY 2023

2023 has been an incredible year for CCMI as we celebrate our 25th anniversary. The launch of the Coral Fund in February 2023 and our VIP event in London in December 2023, both hosted by our Royal Patron HRH the Duke of Edinburgh, have served as key events to solidify our company strategy as we embark on a new stage of development for the organization.

The US/Cayman Islands Board of Directors has worked tirelessly to ensure the evolution of both the company and Board management structures continue to serve CCMI and our stakeholders in the best possible way.

I became involved with CCMI in 2005 because of my interest in science – and nearly 20 years later, we continue to contribute to a greater understanding of our marine and coral environments through innovative research. In addition, the team communicates our findings to the scientific community and to the public via relationships with other research and education organizations both locally in Cayman Islands' schools and international universities - which I believe is a critical component of our work. To support our mission, the Board of Directors launched the Coral Fund in 2023, to ensure we will be expanding both our research and educational facilities to meet the needs of the future.

CCMI Board

The CCMI Board of Directors has adapted our strategy to further support the organisation, in recognition of the rapid loss of global biodiversity and the increasing need to protect the marine environment. We began restructuring the Board in 2020, in acknowledgment of a changing business model, to create a more sustainable infrastructure at Board level, to support CCMI's commitment to growth. This commitment has been further developed in 2022 and 2023, with a focus on sustainable management and improved governance within the organisation as we prepare to expand.

CCMI BOARD OF TRUSTEES (US) DIRECTORS (CAYMAN ISLANDS)

2022

Peter Hillenbrand - [Chairman](#)
Sydney Coleman
Dr Steve Gittings
Chris Humphries
Tim Kary - [Vice Chairman](#)

2023

Tim Kary - [Chairman](#)
Sydney Coleman
Dr Steve Gittings
Peter Hillenbrand
Chris Humphries - [Vice Chairman](#)

BOARD STATEMENT

Our collective intent is to embrace ethical and accountable management and governance and to support the team at CCMI and their stakeholders. The rapid loss of global biodiversity is accelerating and both understanding and protecting the marine environment is becoming increasingly more vital. This work is extremely challenging as global stressors create increased threats to coral reef ecosystem health, which is being felt across the globe as well as locally in the Cayman Islands via mass bleaching events and increased prevalence of disease. Despite this, the CCMI team, supported by our engaged and active Board, have managed to progress their research and education deliverables, adapting where needed to keep the momentum forthcoming.



RESEARCH AT CCMI

CCMI has a mission to be a leading research facility in the Caribbean, focusing on the adaptation and resilience of coral reefs. Our research team, directed by Dr Gretchen Goodbody-Gringley, conducts state-of-the-art experimental research, combining large-scale in situ ecological surveys with small-scale laboratory experiments, and molecular ecology, examining population structure, reproductive ecology, and genetic connectivity on tropical coral reef ecosystems, ranging from shallow inshore reefs to the mesophotic zone. In addition, CCMI has conducted 25 years of monitoring and observational studies, to understand how coral ecosystems respond and evolve in the face of climate change.

2022 and 2023 have been extremely successful from a research perspective, as new funding from the Darwin Plus Initiative and RESEMBID ensured we can progress pioneering research via the REEL lab and restoration projects.



RESILIENCE

CCMI's Reef Ecology and Evolution Laboratory (REEL)

REEL has a mission to promote the resilience of coral reef ecosystems through increased understanding of adaptation and acclimatization potential of ecosystem engineers, protection of key ecosystem functions, and identification of areas of refuge. Dr Gretchen Goodbody-Gringley heads up a state-of-the-art research group that investigates how coral ecosystems function, including adaptation to depth, thermotolerance (heat), and resilience, to maintain biodiversity in the face of climate change. The team partners with important collaborators all around the globe, ensuring our work is relevant, informed and reaching a broad audience, publishing peer review papers, and sharing our findings via interactive webinars, videos, presentations, and conferences.

RESTORATION

Using our understanding of coral biology, CCMI maintains one of longest running coral restoration research programmes in the region. We develop empirically verified methods to ensure successful, complex restoration can boost wild coral populations and promote biodiversity on coral reef ecosystems, helping to restore populations of threatened coral species across the Cayman Islands. In 2022 and 2023, this project was boosted by a grant from European Union's Caribbean Overseas Countries and Territories (OCTs) Resilience, Sustainable Energy and Marine Biodiversity Programme (RESEMBID) that built upon CCMI's historical restoration research, aiming to conduct thermal tolerance experiments, to inform and improve restoration strategies in the face of climate change.

COLLABORATORS

CAYMAN ISLANDS DEPARTMENT OF ENVIRONMENT

Tim Austin Ph.D., John Bothwell, Tammi Warrender

UNIVERSITY OF RHODE ISLAND

Hollie Putnam, Ph.D., Kevin Wong, Ph.D. candidate

UNIVERSITY OF HAIFA

Tali Mass, Ph.D., Shai Einbinder, Ph.D., Stephane Martinez, Ph.D., Hagai Nativ (masters research), Federica Scucchia, Ph.D. candidate

UNIVERSITY OF NORTH CAROLINA

John Bruno, Ph.D., Katelyn Gould, Ph.D. candidate

CALIFORNIA STATE UNIVERISTY AT NORTHRIDGE

Nyssa Silbiger, Ph.D.

UNIVERSITY OF DELAWARE

Arthur Trembanis, Ph.D.

BERMUDA INSTITUTE OF OCEAN SCIENCES (BIOS)

Samantha de Putron Ph.D., Yvonne Sawall, Ph.D., Timothy Noyes, Ph.D. candidate

SMITHSONIAN INSTITUTE

Sarah Gignoux-Wolfsohn, Ph.D., Mattieu Leray, Ph.D.

FLORIDA ATLANTIC UNIVERSITY

Josh Voss, Ph.D., Alexis Strumm, Ph.D. candidate

UNIVERSITY OF FLORIDA

Paul Maneval (masters research), Julie Meyer, Ph.D., Holden Harris, Ph.D., and Anya Brown, Ph.D.

LOUISIANA STATE UNIVERSITY

Daniel Holstein, Ph.D., Gabrielle Carpenter Ph.D. candidate

WOODS HOLE OCEANOGRAPHIC INSTITUTE

Amy Apprill, Ph.D., Jeanne Bloomberg, Ph.D. candidate

PAPERS & *Reports*

CCMI Authored Publications:

Johnson, J.V., Chequer, A.D. & Goodbody-Gringley, G. (2023) Insights from the 2-year-long human confinement experiment in Grand Cayman reveal the resilience of coral reef fish communities. *Sci Rep* 13, 21806. <https://doi.org/10.1038/s41598-023-49221-y>

Scucchia F, Wong K, Zaslansky P, Putnam HM, Goodbody-Gringley G, Mass T. (2023) Morphological and genetic mechanisms underlying the plasticity of the coral *Porites astreoides* across depths in Bermuda. *Journal of Structural Biology*. doi: 10.1016/j.jsb.2023.108036.

Goodbody-Gringley, Gretchen, Chequer, Alex, Grincavitch, Cali, Noyes, Tim, Dowell, Rosalie, Lundberg, Alex, Corbett, Ellie and Smith, Ashley. (2023). Impacts of recurrent culling of invasive lionfish on mesophotic reefs in Bermuda. *Coral Reefs*. 42. 1-10. [10.1007/s00338-023-02354-y](https://doi.org/10.1007/s00338-023-02354-y).

Bellworthy, J, Pardo, R, Scucchia, F, Zaslansky, P, Goodbody-Gringley, G, Mass, T (2023) Physiological and morphological plasticity in *Stylophora pistillata* larvae following translocation between shallow and mesophotic reefs in Eilat. *iScience*

Doherty, M, Chequer, A, Mass, T, Goodbody-Gringley, G (In Review) Phenotypic plasticity of *Montastraea cavernosa* and *Porites astreoides* along a depth gradient from shallow to mesophotic reefs in the Cayman Islands. *Frontiers in Marine Science*

Goodbody-Gringley et al. (In Review) Effects of colony orientation on physiology of corals on a mesophotic shipwreck in the Mediterranean. *Scientific Reports*

Johnson et al. (In Review) Resilience of Coral Reef Fish Communities: Insights from the two-year-long Human Confinement Experiment in Grand Cayman. *Scientific Reports*

Carpenter GE, Chequer A, Weber S, Mass T, Goodbody-Gringley G (2022). Light and photoacclimatization drive distinct mesophotic coral communities in Little Cayman, Cayman Islands. *Ecosphere*, DOI: <https://doi.org/10.1002/ecs2.4200>.

Donovan M, Alves C, Burns J, Drury C, Meier O, Ritson-Williams R, Cuning R, Dunn R, Goodbody-Gringley G, Henderson L, Knapp I, Levy J, Logan S, Mudge L, Sullivan C, Gates R, Asner G (2022). From polyps to pixels: understanding coral reef resilience to local and global change across scales. *Landscape Ecology*. DOI: <https://doi.org/10.1007/s10980-022-01463-3>

Collaborator Publications

Spiers L, Frazer TK (2023). Comparison of feeding preferences of herbivorous fishes and the sea urchin *Diadema antillarum* in Little Cayman. *PeerJ* 11:e16264 <https://doi.org/10.7717/peerj.16264>

Koch, M.S., McNicholl, C., Manfrino, C. et al. (2023) Stable carbon and oxygen isotopes indicate photophysiology and calcification mechanisms of macroalgae on Little Cayman Island reefs. *J Appl Phicol*. <https://doi.org/10.1007/s10811-023-03079-9>





RESEARCH PROJECT
Updates

REEF ECOLOGY AND EVOLUTION LAB - REEL

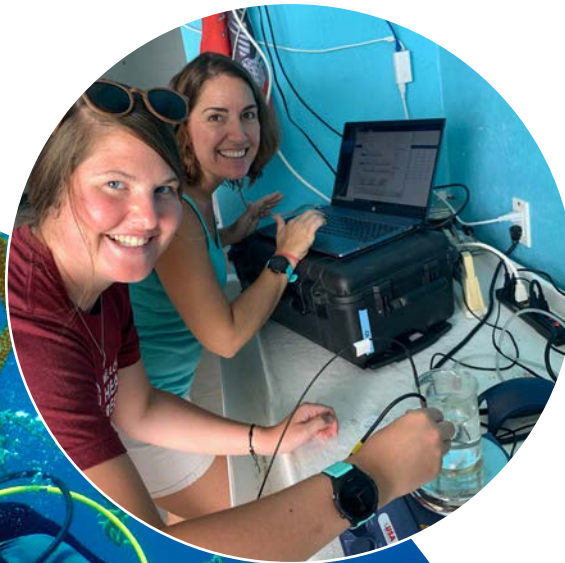
Assessing the mechanisms of molecular and morphological adaptation by corals to extreme environments.

The main goal of the project is to determine the relative influence of plasticity versus selective adaptation on changes to morphology and physiology that enable corals to thrive across broad vertical gradients. The project aims to assess this through a comprehensive investigation connecting three research questions:

- 1 Are changes in the morphology, physiology, and gene expression of scleractinian corals across depth gradients consistent in different geographic locations with different environmental conditions?
- 2 Are morphological, physiological, and genetic features intrinsically or extrinsically controlled?
- 3 Are morphological, physiological, and genetic features associated with depth passed on to the next generation and how does this impact recruitment success?

2022 and 2023 saw the transplant work and the larval ecology and recruitment aspect of the project begin in Little Cayman, following similar elements being conducted in Eilat with our project partners. The initial data are beginning to highlight the importance of plasticity for the ability of corals to survive under a broad range of conditions. This project is well on its way to discerning the mechanisms underlying plasticity and adaptation that enable corals to thrive along a broad depth gradient. These results will ultimately assist in our understanding of the capacity of corals to tolerate changing environmental conditions in the future, such as global climate change induced ocean warming. As such this work will contribute to the conservation and management of global coral reef ecosystems.

Supported by: the U.S. National Science Foundation



ENHANCING CORAL RESILIENCE AGAINST CLIMATE WARMING

This is a collaborative three-year project led by the Bermuda Institute of Ocean Science, with CCMI as partners, alongside the University of Rhode Island. The project is combining research from three geographic regions (Cayman Islands, Bermuda, and Hawaii) to investigate how differences in environmental conditions experienced across a range of geographic locations impact the resistance and resilience of corals to thermal stress, including examining the molecular and cellular mechanisms that enable coral resilience. The project is also investigating the magnitudes and durations of thermal exposures that provide beneficial stress conditioning in corals and how stress conditioning impacts cellular and molecular states, including how long beneficial or thermally-tolerant phenotypes last under stress.

The project combines aquaria-based thermal performance stress tests, mesocosm environmental conditioning exposures, high-tech in situ measurement using reef chambers, and cutting-edge cellular, molecular, and organismal phenotyping. This cross-boundary project that draws results from Caribbean, Pacific, and Atlantic reefs is shedding light on the benefits of natural environmental and human intervention impact on coral resilience, which is a pressing knowledge gap in our capacity for forecasting coral reef futures, supporting science-based decisions for cross-regional conservation and restoration in the future.

Supported by: the Heising Simons Foundation



HEALTHY REEFS - LONG-TERM MONITORING

Each year, CCMI undertakes reef monitoring using the AGRRA (Atlantic and Gulf Rapid Reef Assessment protocol) and analyses the data to understand how the reefs in Little Cayman are performing. This monitoring was started in 1998 by Dr Carrie Manfrino and has created an important window into coral reef trends. Each year, CCMI produces a healthy reefs report card, based on the regional AGRRA protocols (www.agrra.org) and the Healthy Reef summary/reporting protocols www.healthyreefs.org/cms/

The 2022 and 2023 released data indicates that local protections and low human impact have undoubtedly shielded Little Cayman from the extremity of global pressures that are heavily impacting reefs around the globe; however, changes are still occurring that put the reefs increasingly at risk. Coral cover is being maintained, which is an important distinction from many other reefs in the region. Fish biomass, and key species density such as the Nassau grouper is a positive story, reiterating the importance of marine protection measures in the country. While Little Cayman's reefs are subject to the same global pressures that reefs elsewhere face, strong local protections buffer the impact of those threats.

CCMI's 2022 and 2023 surveys of Little Cayman's reefs indicate that with appropriate management policies, coral reefs may be able to recover and display resilience to compounding pressures from regional and global threats. The data also demonstrates the vulnerability of corals, for as they are slow-growing and unable to move (as many fish may do to seek refuge from stress events), they are not able to rebound or respond to stress events as quickly.

Investigating mechanisms of coral resiliency is crucial to understanding how corals may survive in the changing climate and future threats, a key takeaway following the 2023 bleaching event that resulted from increased, sustained sea surface temperatures. For a full overview of the project results, please see the project: www.reefresearch.org/what-we-do/research/healthy-reefs

2023 saw a mass bleaching episode across the Cayman Islands, and CCMI responded by increasing our monitoring activity, building on work completed in 2022 on the Stony Coral Tissue Loss Disease monitoring, supported by the R3 Foundation. This increased monitoring is still taking place, and early results will be communicated in June 2024.

Supported by: Foster's, Aureum Re, the Cayman Islands Department of Tourism, Island Heritage, Knighthead Annuity, the R3 Cayman Foundation





BLUE CARBON OFFSET AND BIODIVERSITY

This project has been developed with Butterfield Bank and KPMG Cayman Islands to answer the (often asked) question: what is the role of coral reefs in the Blue Carbon Offset debate? In response, our Blue Carbon Offset & Biodiversity Programme will investigate key knowledge gaps to enable evidence-based investment in marine habitat restoration and blue carbon offset in the Cayman Islands and regionally. If the carbon sequestration is validated as successful, the project outcomes will lead to the production of a carbon credit certification tool.

Blue carbon offset initiatives have been met with scepticism around sustainability and efficacy; this programme is designed to gain a greater understanding of the potential for tangible, sustainable, and manageable blue carbon offset schemes that consider entire marine ecosystems and interactions between habitats with a longer-term focus on biodiversity and protection. The programme also includes immersive education that will engage local stakeholders and students in blue carbon offset initiatives and raise awareness of the connections between offsets, reducing carbon emissions, and healthy marine ecosystems and climate regulation.

Supported by: Butterfield Bank

CORAL RESTORATION: GROUND-BREAKING UNDERSTANDING OF COMPLEX ECOSYSTEMS

This coral restoration project ran from February 2022 to the end of 2023, supported by a RESEMBID grant and long-term project partners. The project built upon CCMI's restoration research, aiming to conduct thermal tolerance experiments to inform and improve restoration strategies in the face of climate change.

The recently released results from CCMI's project will help to guide strategies and increase the overall success of coral restoration, thereby sustaining coral reef biodiversity and promoting regional reef resilience in a period of unprecedented threats to coral reefs.

The project results emphasise the essential nature of genetic diversity within coral restoration practices. Managers must select for diversity and understand the genetic composition of their nurseries to improve the resistance and resilience of coral restoration efforts to the multitude of stressors that face coral reefs now and in the future.

Supported by: RESEMBID and the European Union, The AALL Foundation Trust, the Disney Conservation Fund, Dart Cayman Islands, The Ernest Kleinwort Foundation, Consolidated Water Company



DEEP SEAMOUNT EXPLORATION

In 2022, CCMI received a £490k grant from the UK's Darwin Plus Initiative, which has been subsequently matched by a private donor, to support an innovative, collaborative seamount exploration project. In 2022 and 2023, the team explored 12-Mile Bank and conducted fish surveys, benthic photo-mosaics, and sampling for eDNA and genetic connectivity assessments in addition to producing a bathymetric map of 12-Mile Bank to better understand the marine ecosystems. The team will survey Pickle Bank in the summer of 2024. Offshore seamounts like these banks are closely related to islands and often provide important mid-way locations for species to connect populations in more distant areas.

Explore the unexplored 12-Mile Bank alongside CCMI's researchers by watching the three-part docuseries, Expedition Hope: Unexplored Seamounts of the Cayman Islands [here](#).

Supported by: the Darwin Plus Initiative and a Private Donor

WOMEN IN OCEAN SCIENCE AWARD (WIOSA)

In 2019, the Brian Melito and Jessica Colker Trust helped CCMI launch WIOSA, and despite a delay in launching the field work due to Covid-19, the project came to life in 2022 and 2023.

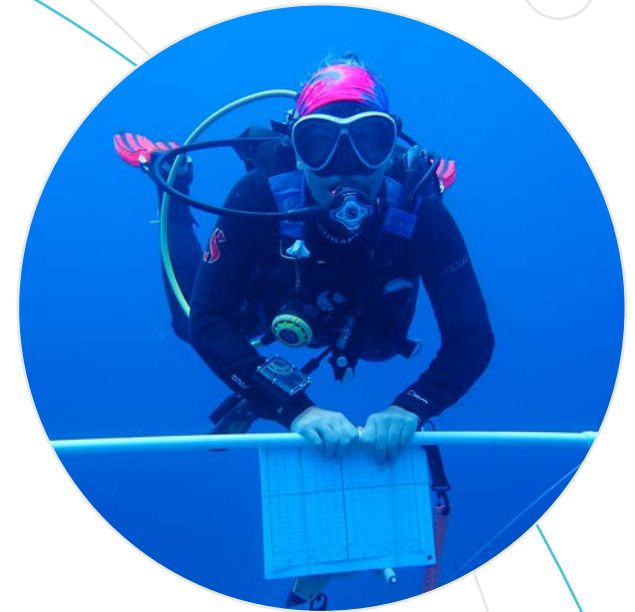
In July 2022, Dr. Sarah Gignoux-Wolfsohn's field research at CCMI began with the support of CCMI research staff, Leah Harper (Smithsonian Environmental Research Center) and Siarah Hall (WIOSA Intern). Their work focused on healthy colonies of coral species that have varying levels of susceptibility to Stony Coral Tissue Loss Disease (SCTLD), which is decimating coral reefs throughout the Caribbean by rapidly spreading and causing high mortality among important, reef-building stony corals. The R3 Cayman Foundation has also provided support for this ongoing work to survey and sample microbial communities of coral reefs in the Sister Islands, with the aim of developing relevant probiotics to increase coral resiliency in the face of future disease outbreaks. Sarah Gignoux-Wolfsohn and Bill Precht conducted fish and coral surveys at 16 sites around Little Cayman in June 2023, looking for signs of Stony Coral Tissue Loss Disease.

In September 2022, Dr. Zoe Pratte, a senior research scientist at the University of Montana, and her graduate student, Andrew Maritan, conducted field research for her WIOSA project. They took mucous samples of several coral species for future analysis of the presence of a common coral symbiont, Endozoicomonas. This genus of bacteria is often found in healthy corals and may be an indicator of coral health in various species. Dr. Pratte's research will not only investigate the presence/absence of Endozoicomonas in different coral species

and at different depths; DNA of the Endozoicomonas spp. will also be extracted and sequenced to potentially identify species of the bacteria that are present.

Dr. Laura Marangoni is a postdoctoral fellow at Smithsonian Tropical Research Institute with the Rohr Reef Resilience Program, whose work contributes to a large-scale programme investigating the potential drivers and mechanisms of coral reef resilience. Dr. Marangoni's research project is inspired by the use of "superfoods" or "functional foods" to provide medical or health benefits for humans, including prevention and treatment of diseases. She is testing if functional food (enriched in antioxidants, vitamin C) specially developed for corals has the potential to benefit the health of coral fragments in CCMI's nursery to ultimately increase their survival after being outplanted.

Supported by: Brian Melito and Jessica Colker Trust, the R3 Cayman Foundation





EDUCATION &
Outreach

CCMI'S EDUCATION MISSION IS TO DELIVER IMMERSIVE AND TRANSFORMATIVE EDUCATIONAL EXPERIENCES THAT PROMOTE OCEAN STEWARDSHIP AND TRAIN THE NEXT GENERATION OF MARINE SCIENTISTS.



The education programme at CCMI provides experiential learning to students and young adults from around the world. Post Covid-19, the borders opened in 2022, and with that, we saw CCMI's education programme come back to life. The borders opened in March 2022, which rendered the first quarter of the year quiet from an international student perspective. Yet 2023 saw a full rebound to a fully booked Q1, reinforced by improved scholarship support.

	2022	2023
Income (Earned)	138,651	329,178
Scholarship Funding <i>(inc Reefs Go Live)</i>	260,021	273,821
College Students	46,330	209,883
Sea Camp	9,280	10,080
MEC (Private)	66,111	83,150
MEC (Scholarships)	50,000	83,784
YELC (Scholarships)	30,488	24,390

SCHOLARSHIPS

CCMI's commitment to our local and international community of students is developed with a formidable contingent of core sponsors. The Edmund F. Virginia B. Ball Foundation have played an integral part in our educational delivery, supporting the Caribbean Marine Ecology Camps and Ocean Science Scholar internships for more than 15 years. The Young Environmentalist Leadership Course, which provides 16-20-year-olds with a four-month skills-based programme, has been supported by Foster's since its inception in 2012. To date, more than 100 students have participated in this unique programme. The BODA Charitable Star Trust has supported the Marine Ecology Courses (MECs), which includes a 3-day, 2-night residential course for primary school students since 2017. Our sponsors underpin our entire education programme, ensuring we can employ full-time staff and keep the costs fair for all programmes.

SCHOOL PROGRAMMES

In addition to our scholarship programmes, the team ran a robust schedule of primary and secondary Marine Ecology Courses for local schools, taking advantage of reduced college programming and filling up all available space with local education provision in 2022 and 2023 as international programming slowly reopened. We have had students aged 10-18 immerse themselves in life at the field station, learning about marine sustainability and understanding how/why local marine ecology is so important to them. Our local school provision is an important component of our capacity building in the Cayman Islands, and we are beginning to see the wider impact of these programmes, which have been running since 2007, as past students use their learning and understanding of marine ecosystems in their careers and support for the environment.



REEFS GO LIVE

Reefs Go Live continues to deliver important and relevant up to date teaching materials as our scientists and educators take to the ocean to live stream directly to classrooms all over the globe. In both 2022 and 2023, we delivered four episodes during each season to a growing audience, including a World Ocean Day cinema event, which ensures we can invite local students and stakeholders to watch the iconic conservation event on the big screen. The programme reach includes 28 countries around the world, with just under 2,000 regular broadcast attendees via the Classy Live portal and a further 15,000 per season via our social media streaming. Adding the in-person local event for the Cayman Islands community at the Camana Bay Cinema (and free transport for local schools supported by Dart Cayman Islands), adds a special focus to this successful and engaging programme. All the resources, including videos of the broadcasts, are then made freely available online, and we ensure teachers feedback into the programme development loop to refine and improve the collateral.

Supported by: the Edmund F. and Virginia B. Ball Foundation, Stuarts Humphries, and Dart Cayman Islands

GLOBAL REACH - VISITING COLLEGE PROGRAMMES

2022 and 2023 saw the (slow) opening of the Cayman Islands borders. In 2022, CCMI was pleased to welcome back Indiana University, Lawrence University, Wellesley College, and Saginaw Valley State University. In addition, in 2023, we hosted Wisconsin-La Crosse, Woods Hole Oceanographic Institute, Dartmouth College, and Roane State Community College. Our college programmes provide an amazing opportunity for students studying marine and terrestrial-related science topics.

HEALTHY REEFS OUTREACH

CCMI's Healthy Reefs campaign continues to underpin our annual reef health monitoring and community outreach activity. This effort continues to connect science from the Little Cayman Research Centre (LCRC), where CCMI is invested in unlocking secrets of coral resiliency to real world applications impacting the people in the Cayman Islands. Programme efforts continued to engage supporters both locally and abroad through in-person events in the Cayman Islands as well as expanded use of a new online streaming system for Reefs Go Live and select Reef Lectures. In 2022, we continued to boost our online presence, and this theme of providing both in person and online opportunities continues. In 2023, our reach for this campaign was as follows:

OVERALL DIGITAL REACH

(Social & YouTube/Classy Live)

69,182

FACE TO FACE ENGAGEMENT

(Reef lectures & World Ocean Day event)

471

DIGITAL REACH - REEF LECTURE ONLY

(YouTube & Classy Live)

282

DIGITAL REACH – WORLD OCEAN DAY REEFS GO LIVE

>15,000 *(Estimated)*

NEWSLETTER REACH

16,793

DIGITAL PRESS

10 articles

RADIO INTERVIEW

1



We aim to provide eight Reefs Lectures a year (in both Little Cayman and Grand Cayman), often exceeding this goal. Many of our Reef Lectures are led by CCMI staff to share the ongoing work at the Little Cayman Research Centre and important results and findings from our research. We also organize, where possible, for visiting scientists to share their work with the community, too. Adding new speakers to the schedule as part of the annual Healthy Reefs Reef Lecture Series allows for an interesting variety of topics for the attendees. In 2022, we were fortunate to have Dr John Bruno (UNC at Chapel Hill), and in 2023, William Precht on island to give Reef Lectures in Grand Cayman to share more about their respective areas of expertise. World Ocean Day continues to grow in popularity via our Reefs Go Live broadcast hosted at the Camana Bay Cinema in Grand Cayman (as well as online). In 2023, we supported 250 students, 150 adults and circa 2100 direct views online (translating into 15,000 via classroom registration data).

Supported by: Foster's, Aureum Re, the Cayman Islands Department of Tourism, Island Heritage Insurance, Knighthood Annuity, Dart Cayman Islands



ADVANCEMENT

CCMI RAISES FUNDS THROUGH 3 CORE REVENUE-GENERATING ACTIVITIES

Earned revenue – fees from education courses and visiting scientists at the Little Cayman Research Centre.

Unrestricted fundraising events – this includes the annual Festival of Seas Gala, the Navigator’s Council and private donations from trusts, companies and individuals.

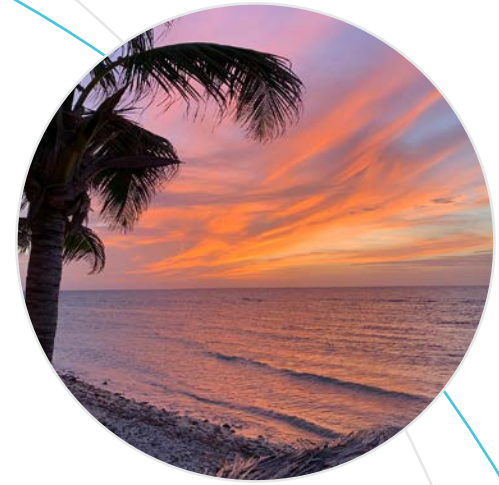
Restricted funding – project-specific revenue raised via donations and grants.

2022

The impact of Covid-19 was still being felt on CCMI’s advancement in 2022. Up to 2020, CCMI had a solid revenue model of circa 20% earned revenue, 30% unrestricted fundraising and 50% grants and sponsorships. In 2022, fundraising and earned revenue was still curbed by restrictions on events with large numbers of people and travel to and from the Cayman Islands. 2022 saw an increase in project grants and sponsorships, with several large research grants that had been in development for some time being awarded, resulting in 80% of our revenue being generated by project specific (restricted) activity. Fundraising had a tough year, representing 14% of the revenue at USD \$270K (not including in-kind donations), as we were limited in the types of events that could be held. As outlined in the education section, international programmes were limited in 2022, and this saw a drop in earnings to USD \$138K, whereas an average year pre-Covid-19 would be circa \$400K. At the end of 2022, CCMI soft launched the Coral Fund to VIP donors, resulting in USD \$116K being raised, paving the way for a full campaign launch in 2023.

2023

2023 saw earned revenue rebound to USD \$330K, thanks to the return of key international colleges and universities, as well as sustaining the local education programme. Sponsorships and grants returned to expected levels (of circa \$600K per annum) following an enormous year in 2022 as the teams focused on delivering. Fundraising was strong in 2023 – both for the new Coral Fund to support the capital expansions plans (USD \$1.8 million raised) and for the day-to-day operations, which increased to just under USD \$500K (not including in-kind donations). The success in fundraising came from a solid base of core donors, who have remained consistent in their support, as well as new donors joining us in 2023, as we plan to expand our facilities, capacity, and impact.





VIP EVENTS &
Fundraisers



EVENT HIGHLIGHTS

ROYAL CORAL FUND LAUNCH AND GROUND BREAKING 2023

In February 2023, CCMI officially launched the Coral Fund to support the expansion of our facilities and capabilities. HRH the Duke of Edinburgh broke ground on the new facility site on North Coast Road in Little Cayman with the CCMI Board members. Key VIP supporters were included in a day with HRH the Duke of Edinburgh, touring the facility, visiting the Prince Edward's Coral Garden, and meeting students who were studying. In the evening, local stakeholders were invited to an event at the Southern Cross Club to learn more about the Coral Fund and to hear why our Royal Patron believes investing in coral reef research, education, and conservation is key to our role as custodians of the environment.

FESTIVAL OF SEAS 2023

This year's Festival of Seas highlighted the work and impact of the organisation, stakeholders, and supporters over 25 years. This formal gala event allowed CCMI's management team and Board of Directors to engage in direct conversations with gala attendees during the cocktail hour. The evening programme, with MC Vicki Wheaton and speeches by CCMI directors, publicly recognised the companies and individuals who support CCMI's work, provided important updates on our local and regional impact that happens through sponsorships, and gave updates on CCMI's future projects and plans.

As a more formal gala to properly celebrate CCMI's 25th anniversary, the event was 'black tie and silver sparkle', which made the evening feel special, as befits an important milestone. Held on Saturday, 4th November at the Kimpton Seafire Resort and Spa, this was CCMI's largest, most successful Festival of Seas ever!

370 ATTENDEES

US\$300,000+ MONEY RAISED

Including almost US\$30,000 for the Coral Fund

The enthusiasm for guests to attend Festival of Seas surpassed all expectations, reminding us of the incredible levels of community support for CCMI's projects and programmes. Read more about our efforts since CCMI's founding in 1998 and the highlights of our work to create a sustainable future for coral reefs in the Festival of Seas gala programme. (<http://tinyurl.com/CCMI-25yrs>)

CELEBRATING 25 YEARS OF CCMI

In 2023, CCMI celebrated our 25th Anniversary. We have grown from an idea based on a three-island wide reef survey conducted in 1998, to a multi-million-dollar organisation, that combines cutting edge research with impactful education and conservation programmes. Started by Dr Carrie Manfrino, following her foresight, drive and dedication to create and establish an organisation dedicated to the health of coral reefs, CCMI has emerged into a regionally recognised institute. In 2023, we celebrated our success and thanked our many faithful supporters for the patronage. But most importantly, we focused on the work that needs to be done, as coral reefs continue to be threatened by warming oceans and the impacts of increased development and a changing climate.

You can watch the video Celebrating 25 Years of CCMI: For a quarter century, CCMI has worked to advance our knowledge of coral resilience through research and promote ocean literacy in the Cayman Islands, inspiring the next generation to positive action for a sustainable future for our oceans. Hear what this work means to the CCMI team, why it is important, and how our community has been a part of our accomplishments over the last 25 years. (<http://tinyurl.com/CCMI-25yr-video>)

LONDON VIP EVENT 2023

To end a fantastic fundraising year in 2023, HRH the Duke of Edinburgh attended a final VIP dinner at the exclusive Domino Room at Hotel Café Royal. This small dinner was held with a clear purpose of fostering new VIP support, including introducing potential new Board members to the current Board and exec team. Dr Steve Gittings gave a compelling speech as to why protecting coral reefs for the future is in our hands:

The Cayman Islands exemplify the wisdom of the great naturalist Aldo Leopold, who said, "The most important thing in intelligent tinkering is keeping all the parts." The coral reefs of Little Cayman are doing their part. And CCMI - another essential ingredient - represents our collective commitment to make a difference.

The event resulted in three new Board members, Mark Call, Claire Hedley, and Ben Leigh joining the U.K. Board in February 2024.



2023 MISSION BLUE VISIT – LITTLE CAYMAN HOPE SPOT

In October 2023, the CCMI team hosted Mission Blue at the Little Cayman Research Centre– following CCMI's application for and subsequent designation of Little Cayman as a Hope Spot in 2020. The impact of Covid-19 meant the official launch was not celebrated with the CCMI and Mission Blue teams in person, so this momentous occasion has been long-awaited. The team then joined Plastic Free Cayman on Grand Cayman, the supporters of the George Town Hope Spot, for a celebration of the continued advocacy and support for healthy marine environments in the Cayman Islands. The presence of Dr Sylvia Earle for the Grand Cayman activities was the absolute highlight for the CCMI team. Dr Earle was (and continues to be) an early advocate for global marine protection and an inspiration to all women scientists. Her Royal Deepness is an inspiration to many generations and this Hope Spot focus created increased awareness for Little Cayman and the work that goes into understanding and protecting the marine environment here.

UNESCO WORLD HERITAGE SITE APPLICATION

In 2023, headed by CCMI's Board Director, Peter Hillenbrand, Little Cayman's MPAs (marine protected areas) have been put forward as a UNESCO World Heritage Site. The application has taken the cooperation of several community entities, including support and input from the Cayman Islands Department of Environment, Peter Hillenbrand and CCMI, as well as crucial support from the National Trust of the Cayman Islands and local residents.

The application has benefitted from the pro-active nature of the Cayman Islands Government and their approach to both marine protected areas and species-specific protection, such as turtles, sharks and groupers. Most nations around the globe are struggling to meet the United Nation's target for 30% protection for precious marine ecosystems, yet Little Cayman has 75% marine park protection, thanks to a long-term commitment from the Cayman Islands Government and Cayman Islands Department of Environment (CIDOE). This protection and foresight have been the basis for this UNESCO application. The application also benefited from the outstanding Grouper Moon project, which is spearheaded by REEF and the Cayman Islands Department of Environment, which has seen the only Nassau grouper spawning aggregation site remaining in the Caribbean region, with growing numbers of Nassau groupers populating the local reefs as a result of this outstanding project. The application was further supported by the extensive research history of both the Cayman Islands Department of Environment and CCMI, which contributes to the much-needed evidence of a healthy coral reef ecosystem, further supported by research outreach and education which links the local heritage and cultural role of reefs and reef health in the Cayman Islands.



FINANCIAL
Summary

2022 & 2023 FINANCIAL OVERVIEW

CCMI has continued its revenue growth, breaking the \$2mil barrier in 2021, rising to \$2.78mil and \$2.71mil in 2022 and 2023, respectively. The highlights in 2022 were mainly due to new research grants of \$1.4mil, a wet lab facilities grant of \$445k, and the Coral Fund launch of \$116k. In 2023 the Coral Fund revenue grew to \$1.2mil, a new Carbon Offset research project of \$300k, and a record-breaking Festival of Seas of \$310k contributed to the successful year.

CCMI made a net profit of \$1.23mil in 2022 and \$689k in 2023. The increase in year-on-year net profit in 2022 was due to our revenue increasing to \$2.79mil (2021: \$2.05m) while our expenses, taking on our efficiencies from COVID-19, remained lower in comparison at \$1.56m (2021: \$1.56m). Activity in 2023 increased with the delivery of more research projects and the return of international education programmes. This activity increase and the increase in worldwide prices have increased our total expenses, reducing net profit (689k).

FINANCIAL SNAPSHOT

Our earned income remained low for 2022 (\$138k) due to the unpredictable opening of Cayman's international borders because of COVID-19. This meant we lost most of the expected revenue from international courses that usually arrive in the first half of the year. 2023 saw an increase in earned revenue (\$329k) as international courses returned, and we continued to deliver our local Marine Ecology Courses. Earned revenue continues to play an essential role for CCMI, ensuring a stable income, which results in unrestricted funds that can support operational overhead and management of assets.

New Research grants in 2022 boosted our research programme, totalling \$1.4mil for: Coral Resilience and Restoration supported by RESEMBID; and an Offshore Seamount exploration project support by DEFRA's Darwin Plus and a private donor. We also secured an NSF FSML capital grant to build a new wet lab at CCMI for \$445k. Total revenue for key grants and sponsorship was \$2.07mil vs a \$1mil budget.

In 2023, CCMI received a new three-year grant (\$300K) from Butterfield Bank to develop a Blue Carbon Offset and Biodiversity project. Existing sponsorships were renewed or replaced, ensuring locally funded research and education projects could continue.

Core funding via unrestricted fundraising and contributions revenue, which supports the core business, decreased in 2022 to \$382k from our 2021 high of \$586k. This is mainly due to no core funding received from COVID-related support, including emergency grants and the US Gov PPP scheme. CCMI's active and loyal donor base increased this revenue in 2023 to \$556k, supporting us through unrestricted donations and a record-breaking Festival of Seas (\$310k) for our 25th anniversary.

The Coral Fund was launched in late 2022, this new fund for building an additional facility on Little Cayman bought in \$116k for 2022 and \$1.2mil in 2023 with further funds pledged for donation in 2024.

The control of cash flow, our expense controls, unrestricted donations and a successful year-end Festival of Seas have enabled us to expand our unrestricted free cash from \$27k in 2021 to \$92k in 2022 and \$363k in 2023 (not including reserves). This has left us in a good position to start 2024 and hire additional staff for what looks like a busy start of the year. Our total expenses for 2022 were \$1.56mil below our budget of \$1.74mil. Expenses for 2023 were \$2.01mil under a budget of \$2.14mil.

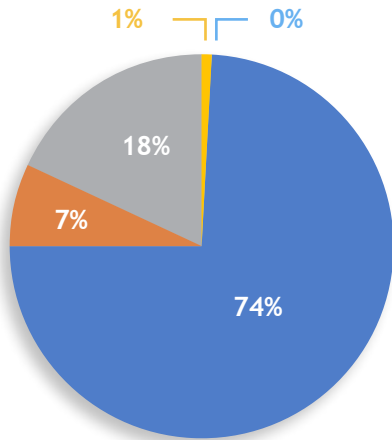
The division of our expenditure, as per the US 990 declaration is as follows:

	2022	2023
Spent on the delivery of programs	83%	79%
Total costs for support services	9.5%	8%
Towards fundraising activities (increased due to the Coral Fund)	7.5%	13%



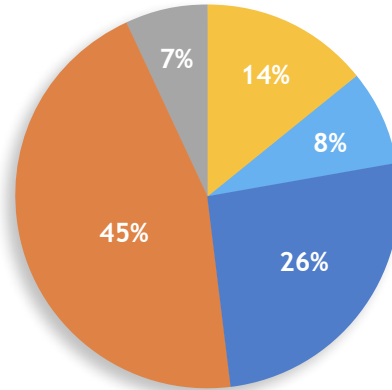
2022 CCMI REVENUE SOURCES

- Retail Sales
- Investments Income
- Restricted Funds
- Earned Income
- Fundraising Contributions



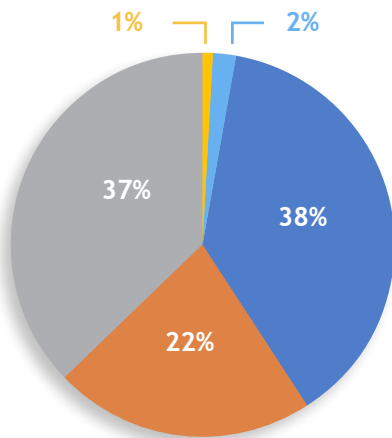
2022 CCMI EXPENSES

- Operations
- Fundraising
- Education
- Research
- Depreciation



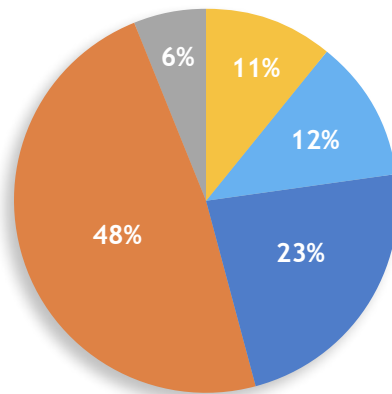
2023 CCMI REVENUE SOURCES

- Retail Sales
- Investments Income
- Restricted Funds
- Earned Income
- Fundraising Contributions



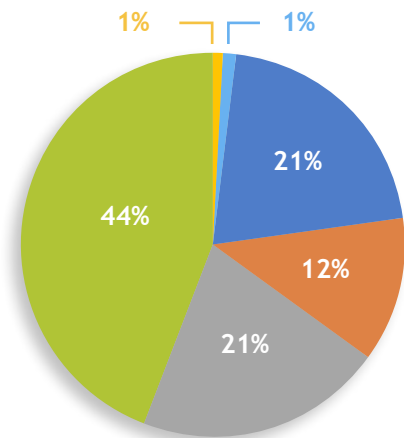
2023 CCMI EXPENSES

- Operations
- Fundraising
- Education
- Research
- Depreciation



2023 CCMI REVENUE SOURCES + CORAL FUND

- Retail Sales
- Investments Income
- Restricted Funds
- Earned Income
- Fundraising Contributions
- Coral Fund



CONSOLIDATED STATEMENT OF FINANCIAL POSITION (USD)

	2022	2023 <i>Unaudited</i>
ASSETS		
Current Assets		
Cash and cash equivalents	\$1,056,800	\$2,587,575
Contributions receivable	\$2,320,154	\$1,608,490
Other assets	\$55,575	\$62,277
Total Current Assets	\$3,432,529	\$4,258,342
Non-Current Assets		
Property, plant and equipment	\$1,254,370	\$1,197,523
Intangible Assets	\$67,733	-
Total Non-Current Assets	\$1,322,103	\$1,276,076
TOTAL ASSETS	\$4,754,632	\$5,534,418
LIABILITIES		
Current Liabilities		
Unearned income	\$66,883	\$51,951
Accruals	\$18,564	\$124,747
TOTAL LIABILITIES	\$85,447	\$176,698
NET ASSETS		
Unrestricted	\$2,535,695	\$3,960,610
Restricted	\$2,133,490	\$1,397,110
TOTAL NET ASSETS	\$4,669,185	\$5,357,720

CONSOLIDATED STATEMENT OF ACTIVITIES (USD)

	2022	2023 <i>Unaudited</i>
REVENUE		
Contributions & Grants	2,398,489	1,946,470
Education and research fees	138,651	329,178
Special events	139,551	310,742
Donations	34,005	69,558
Other revenue	77,964	51,214
Total Support and Revenue	2,788,660	2,707,162
EXPENSES		
Program Services		
Field programs and operations	104,096	138,929
Buildings and equipment	199,567	156,659
Research	640,007	903,186
Education	347,431	399,328
Total Program Services	1,291,101	1,598,102
Supporting Services		
Management and general	148,176	166,051
Fundraising	117,292	254,474
Total Supporting Services	265,468	420,525
TOTAL EXPENSES	1,556,569	2,018,627
NET ASSETS		
Change in net assets	1,232,091	688,535
Net assets, beginning of year	3,437,094	4,669,185
TOTAL NET ASSETS, END OF YEAR	4,669,185	5,357,720

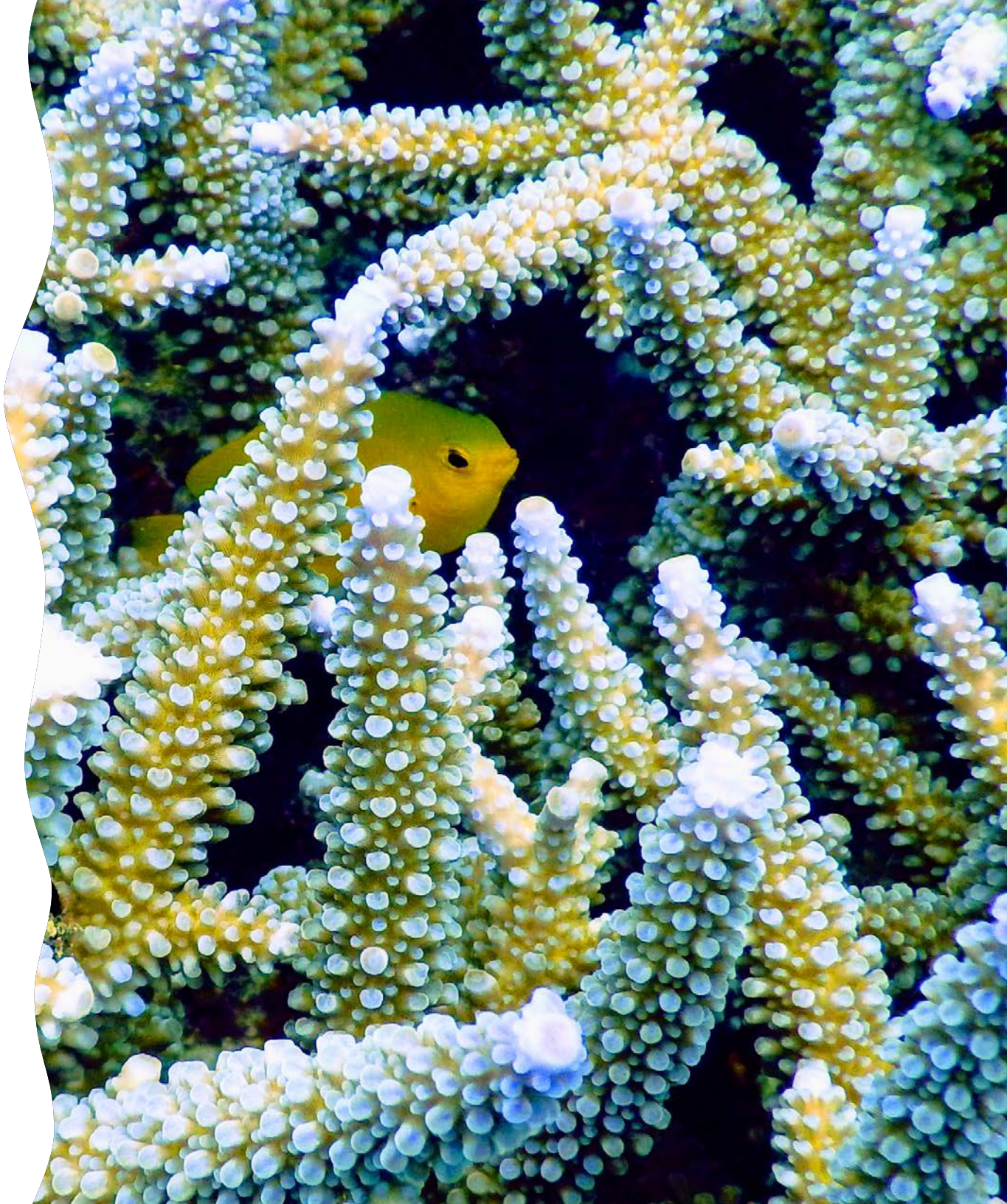
IN-KIND SUPPORT

In-kind support remains a bedrock of CCMI's operation. We would like to thank the many professional firms who have supported us in 2022 and 2023, including: BDO for the annual audit, Stuarts Walkers Hersant Humphries for legal services, Berman Fisher for accounting support services, Copper Blue Communications Ltd for PR, Communications and Brand Development support, Douglas Ziegler LLC for US accounting support and SALT Technology Group for IT support, as well as the Board of Directors and Officers who give their personal time in support of CCMI's mission. CCMI would also like to thank the project technical advisors who donated many in-kind hours in expertise, specifically Greg Locher.

2022 AND 2023 OPERATIONAL RESERVES

CCMI aims to maintain an operational reserve to meet basic operational costs (salary, insurance, mortgage, etc) for a period of six months at any one time.

	2022	2023
<i>Restricted Contractual Reserves for Program Delivery Following Year</i>	\$646,972	\$1,851,703
<i>Operational reserve</i>	\$250,000	\$250,000
<i>Deferred Revenue</i>	\$66,883	\$51,951
<i>Unrestricted free cash</i>	\$92,945	\$362,572
<i>Total End of Year cash on hand</i>	\$1,056,800	\$2,516,226





GOVERNANCE &
Policies

GOVERNANCE

HOW WE ARE GOVERNED

The organisation is governed by a Board of Directors/ Trustees in the Cayman Islands and USA, and by the Trustees of the UK Charity (outlined below).

The Board of Directors/Trustees is also supported by a group of special advisors, who specialise in areas of need, such as research, human resources (HR), technological development (specifically education related) and company governance.

STATUS

The Central Caribbean Marine Institute/CCMI has charity status in the Cayman Islands (CCMI Cayman – NP#3), is a UK registered charitable organisation (#1104009) and a US 501(c)(3) non-profit (#22-3609293).

GOVERNANCE CODE

As a company operating within multi-jurisdictions, CCMI has a strict code of governance that complies with the UK, US and Cayman Islands requirements. CCMI has an engaged board of trustees and management team all aligned and engaged with the company's very clear mandate, to protect coral reefs for the future. The shared mission and culture within CCMI therefore aligns with the Charity Commission's Governance Code (2017), the 501 (c)(3) governance checks (IRS) and the Cayman Islands Non-Profit Organisations Law 2016.

COMPANY REGISTRATION DETAILS

United States

Central Caribbean Marine Institute, Inc
501(c)(3) Registration: 22-3609293
Mailing Address: 1 Airport Place, Suite 3,
Princeton NJ 08540

Cayman Islands

CCMI
Non-profit registration: NP- 3
Mailing Address: PO Box 37, Little Cayman,
Cayman Islands, KY3 2501

United Kingdom

CCMI UK
Charity Registration: 1104009
Mailing Address: Farrer & Co,
66 Lincolns Inn Fields
London, WC2A 3LH



CCMI BOARD

2022 & 2023 Board of Trustees (US) and Directors (Cayman)

Chris Humphries - Vice Chairman (2023)
Sydney Coleman
Dr Steve Gittings
Peter Hillenbrand - Chairman (2022)
Tim Kary - Vice Chairman (2022), Chairman (2023)

JS de Jager - Treasurer
Chris Humphries - Secretary (2022 & 2023)

2022 & 2023 UK Board

Chris Humphries
Tim Ecott
Andrew Hersant
Kate Holden
Dominic McCahill

Principal Professional Advisors

Accounting - Berman Fisher
Audit - BDO (2019, 2020, 2022, and 2023 audit)
Attorneys - Stuarts Humphries Attorneys
Bankers - Bank of America, Cayman National Bank,
Butterfield Bank, HSBC UK



POLICIES

PUBLIC BENEFIT

CCMI was established in 1998 to protect the future of coral reefs through research, conservation, and education. We opened the Little Cayman Research Centre in 2005, and the facility has become a preeminent Caribbean marine institution, working on one of the most pressing issues facing the region: the protection and conservation of coral reef biodiversity. Our work benefits the scientific community regionally and around the globe, as well as children who we engage in ocean literacy programmes and international students who we empower to reduce their impact on and improve the vitality of our oceans. We have a research agenda that includes actionable projects that are essential to advance science and deliver solutions needed to inform coral restoration efforts around the globe. What makes CCMI different, however, is our commitment to transforming knowledge into impactful educational outreach.

RESERVES POLICY

CCMI's reserves policy outlines three areas of reserve:

- Contractual reserves – where CCMI has a contract that specifies how funds must be utilised (a grant, for example). These funds are treated as restricted funding and reported on accordingly.
- Board and Management Initiatives – in accordance with the goals and objectives of the organisation, the board and management periodically set up reserves (restricted funds) for particular initiatives that they feel are key to the organisation.
- Operational reserves – the organisation aims to maintain an operational reserve to meet basic operational costs (mortgage, salary, insurance, utilities etc) for a period of six months.

RISK MANAGEMENT

CCMI continues to assess and develop our approach to risk. The impacts of Covid-19 in 2020 and 2021 have ensured CCMI has a proactive and pragmatic approach to risk management, as we recognise and proactively manage operating from a remote tropical island that is prone to weather hazards, adding an extra layer of operational complexity.

As we develop into a bigger operation, however, certain areas of risk have been identified and will continue to be approved upon, including sustainability of our key personnel, child safeguarding, and emergency response protocols.

With support from key funding bodies and stakeholders, each year, CCMI undertakes several financial reviews regarding how our large grants and sponsorships are managed. The Director of Finance also assesses key protocols annually, ensuring we evolve our financial management in tandem with increased revenue.

Our operational strategy is to grow the business – and we continue to plan, assess, and evolve our governance, management, and personnel to deliver the highest quality industry standards.



CELEBRATING 25 YEARS

*Sponsors &
Supporters*

CORPORATE *Sponsors*

SPECIAL THANK YOU

The Edmund F. & Virginia B. Ball
Foundation
The AALL Trust
Alexandria Bancorp Ltd
Aureum Re
Bank of Butterfield Cayman Islands
BDO Cayman Islands
The Southern Cross Club
Stuarts Humphries
Maples Group
Rawlinson & Hunter

THANK YOU

Active Capital Ltd
Advantage Insurance (Captive
International)
African Impact
AIMA
Anderson Construction
Appleby
The Art & Phyllis Grindle Foundation Inc
The Ava & Neal Gross Fund
Balboa Management Ltd
BB&P Marketing
The Brian Melito & Jessica Colker Trust
Beach Bay Ventures Ltd
Blackbeard's Trading Company
BODA Charitable Star Trust
Broadhurst LLC, Attorneys-at-Law
Carey Olsen
Carnival Foundation
Carne Global Financial Services

Cayman Enterprise City
Cayman Islands Brewery
Cayman Management
Cayman Islands Department of Tourism
The Cayman Islands Governor's Office
Cayman National Bank
Cayman Villas
CG Britcay
CIREBA
Citco
Consolidated Water Company
Dart Foundation
Dart Cayman Islands
Darwin Plus Initiative (DEFRA)
Deloitte.
Delta (Cayman) Ltd
Deja Vu Photography
Divers Supply (Cayman Islands)
The Disney Conservation Fund
DMS Broadcasting
Donaldson Charitable Trust
Earthwatch Institute
EisnerAmper
Ernest Kleinwort Charitable Trust
EY
The Explorer's Club
The European Union's BEST 2.0
Programme
The Flower Dell
Foster's
Fountainhead
Grant Thornton
Greenlight Re
Go Pro Cayman
Guy Harvey Ocean Fund
Island Air
Island Heritage Insurance

IUCN
Jacqueline C Bassett Memorial Fund
Jacques Scott
Kensington Management
KMPG Cayman Islands
Knighthead Annuity
London & Amsterdam Trust Co
Little Cayman Beach Resort
Lonnie & Sandra Ledbetter Foundation
LOM Financial Ltd
Massive Equipment
National Gallery Cayman Islands
National Science Foundation
Ocean X
Ocorian Cayman Trust Ltd
Oliver S. and Jennie R. Donaldson Trust
Ogier
OneWorld
Paul M Angell Foundation
Planeterra Foundation
Queensgate Bank
R3 Cayman Foundation
Red Sail Sports
Reef Divers, Little Cayman
RESEMBID
Robert C Dart Foundation
Rotary Central, Grand Cayman
Rotary, Grand Cayman
Royal Caribbean Cruises Ltd
SALT
Scotiabank & Trust (Cayman) Ltd.
Scott's Marine Supply
US National Fish & Wildlife Association
The US National Science Foundation
Vistra
Walkers Cayman Islands
Williams2 Real Estate



VOLUNTEERS & *Supporters*

SPECIAL THANK YOU

Dr Carrie Manfrino
Nancy Siebens Binz
Henry & Eliza Harford
Margaret Lally
The Hillenbrand Family
The Humphries Family
Susan Olde MBE
William Waggott
The Coleman Family
April & Anthony Darr
Greg Locher
JS De Jager
Mike & Wendy Mannisto
Nicky & Chris McCoy
John & Jackie Doak
Steve & Marty Gittings
Simon & Candy Whicker
Tim & Anne Frawley
Tim & Judy Kary

THANK YOU

Aida Van Wees & Robert Young
Alasdair & Lisa Robertson
Allen & Karen Erenberg
Allen & Nancy Browne
Amanda Goodwin
Andrea & Steve Hughes
Andrew & Sharon Galloway
Anne Marie Leadbetter
Artie Grindle
Attlee Bodden
Bart Hedges
Bev & Tom Simpson
Bill Maines
Bill Wyman
Bradley Place Jr.
The Britten Family
Brynley Davies
Charles Grover & Joanna Boxall
Christina & John Ferrari
Christina MacFarlane
Christopher & Robyn Larkin
Craig Mock
Dena Kemp
Des & Cathy Kinch
David Schmitz
Diana Schmitt
Doug Ziegler
Ellen Cuylaerts
Ergun & Petra Berksoy
Fiona & Bob Moseley
Frans De Backer
Ginny Hobday & Richard Clough
The Griffiths Family
James & Jeri Bovell
Jane & Andrew Moon

Janet Walker
Jeff Jakubiak
Jim & Leslie Bergstrom
Jim O'Neill
Jim Ritterhoff
Jim & Jamie Dutcher
John & Sheenagh Mills
Jonn & Brenda Hines
Kent & Elizabeth Howard
Kelly & David Walker
Kevin & Lynn Lloyd
Kieran & Nicole Walsh
Kris & Debi Bergstrom
Laura & Sean Lee
Lauren Christie
Lawrence & Renee Edwards
Lloyd Rhian & Family
Lou Cooper
Louis Massicotte
Margaret & Thomas Ryder
Marine Neil
Matt & Janet Gardner
Mary Jones
Melanie & David Carmichael
Melissa & David Wolfe
Mark Bucknall
Mark Rovner
Michael Maes
Michael & Melanie Roddam
Michelle Foxon
Mike Bell
Monica & Bernie Boldt
Nick Ebanks
Nick Butcher
Olivia Connolly
Paul & Sonia Arbo
Pauline Simpson

Peter & Pat Cunningham
Peter & Pia Hall
Philip J. Daniels
Raoul & Anoush Pal
Rebecca Carr
Robert Meyer
Rosh & Richard Addlestone
Shane Aquart
Shannon & Mark Hart
Shelley & Rolf Lindsay
Stephen Goldsmith
Stuart Wright
Sue, David & Abby Guilmette
Suzy Soto
Tana Walters
Toby & Sarah Neugebauer
Vicky Wheaton
Victoria Lancelotta & Steven Conti
William Fischer



CCMI'S IMPACT

Highlights



25 years of coral reef monitoring - Since 1998, CCMI has conducted surveys using Atlantic and Gulf Rapid Reef Assessment (AGRRA) methodology. Results from this work helps generate an understanding of the mechanisms that are driving reef resilience in a changing environment. Little Cayman's reefs remain 'healthy', underscoring the importance of CCMI's location and research remit.

Supporting young Caymanians - CCMI has provided over 1500 scholarships since our first big grant in 2007 from the Edmund F. and Virginia B. Ball Foundation. We invest USD \$150k per annum in scholarships for local students via residential programmes. Our Young Environmentalist Leadership Course provides dive training, education, and job skills to students (ages 16-20), and introduces them to the basics of marine ecology and the importance of coral conservation. Our Marine Ecology Courses support students from ages 10-18, who learn about the marine environment while staying at the Little Cayman Research Centre.

Investing in research - CCMI now invests circa USD \$1million per year in our research programme. We are supported by international governments (US National Science Foundation, UK Darwin Plus Initiative, and the EU Resembid programme), as well as a number of international and local foundations, private trusts, and private donors.

Expanding our reach - CCMI reaches over 300,000 people annually on social media platforms. We value this space as an educational podium, a place to share knowledge on important ocean-related topics, and place of interaction. We would love to bring everyone to Little Cayman to engage with our reefs first hand - but this won't ever be possible, so connecting digitally is a crucial tool in our communications and outreach armoury.

International science - CCMI collaborates with specialists from around the world, sharing knowledge and skills to create greater impact. We have hosted over 200 visiting scientists, and our list of collaborators continues to grow. We also host 250+ college students per annum, expanding our future science leaders as well as our alumni and a growing professional network.

Supporting early career scientists - CCMI supports early career scientists through internships and entry-level research positions, providing lab and fieldwork experience opportunities to develop skills in analysis, presentation, and writing. We provide a minimum of 10 paid internships a year, plus support researchers via post-doctoral positions and the Women in Ocean Science Award programme.



CONTACT

Kholden@reefresearch.org
www.reefresearch.org