# CORAL REEF INITIATIVE EDUCATION & OUTREACH COMMUNICATIONS PLAN



# Background

The CNMI Coral Reef Initiative (CRI) was founded in 2003 in partnership with NOAA's Coral Reef Conservation Program. The CRI is a cross-agency initiative between the Bureau of Environmental and Coastal Quality (BECQ), Division of Coastal Resources Management (DCRM), Division of Environmental Quality (DEQ), the Department of Lands and Natural Resources (DLNR), and the Division of Fish and Wildlife (DFW). These agencies work together to protect and preserve CNMI's coral reef ecosystems and ensure responsible management of these resources. This work is achieved through biological monitoring, habitat restoration, research, enforcement, and education and outreach.

Widespread understanding and support for coral reef management plans and activities in the CNMI has been limited and varies greatly among members of the general public. This lack in awareness and appreciation has made it difficult to inspire change in individual attitudes and behavior, and greatly impedes the community's ability to make decisions for effective coral reef management.

Historically, education and outreach efforts have focused heavily on 4<sup>th</sup> and 5<sup>th</sup> grade audiences, collaborating with PSS educators on Saipan, Tinian, and Rota, as well as other agencies, to coordinate outreach events such as "CNMI Snorkels" and the Ridge to Reef Eco Camps. We have also made an effort to reach additional audiences by taking advantage of opportunities to conduct outreach at events such as the Marianas Tourism and Education Council's (MTEC) Tourism Summit and the Timmy Would Go Memorial Paddle Classic. These events allow us to reach a wider audience of resource users as well as help CRI establish a presence in the community.

Communication, education, and outreach continues to be an integral part of the CNMI's coral reef conservation plan. The education and outreach team continually works to enhance public awareness, understanding, and appreciation of coral reef ecosystems and empower the public to become active stewards of the marine environment. The success of our efforts is measured in a number of ways. For example, pre and post-presentation/activity surveys are distributed to students to determine if coral reef knowledge has increased; human dimensions' surveys track public awareness and attitudes; and temporal data collected from specific areas help us to determine the effectiveness of targeted outreach plans (i.e. LaoLao Bay Pride Campaign).

# Goals and objectives

- To increase knowledge of the importance of coral reefs and threats to coral reef ecosystems
- To engage and actively involve the community in coral reef management
- To increase local support of coral reef management plans

## **Target Audience**

- Resource users (i.e. residents, water sports operators, tourists)
- Policy/decision makers
- Community groups

## **Key Messages**

CRI has consistently used the slogan "Every Act Counts" to communicate simple pro-environmental activities that stakeholders can engage in. We've also begun to incorporate the slogan "Do What You Can" to combat feelings of apathy and powerlessness that can often times undermine an individual's motivation to engage in acts that protect the environment. These common barriers to personal engagement can be counteracted by clear and consistent messages that include simple calls to action and aim to address the specific concerns of stakeholders. The Education and Outreach Coordinator will also work with the Watershed Coordinator on specific "Ridge to Reef" messaging, highlighting the connection between healthy land and a healthy coral reef.

- "Every Act Counts", "Do What You Can", and "Ridge to Reef"
  - o Corals are living animals that protect our islands, don't take or step on them.
  - Love our beaches, keep them clean (anti-litter)
  - Protect our sea, plant a tree
  - Don't drag the reef into this, use mooring buoys
  - Follow the rules and regulations when in marine protected areas
  - Implement erosion control and rainwater BMP's on your properties
  - Size matters don't take fish that are below reproductive size



Figure 1The "Reef Hugger" sticker as part of the CRI branding.

## Methods of Communication

The Education and Outreach Coordinator makes use of a number of communication methods to ensure that the messages being communicated are appropriate for the target audience. In determining appropriate communication methods, we take into account the cost-effectiveness of the method, the method of delivery, and the audiences level of understanding.

#### **Education and Outreach Materials**

An integral part of these communication efforts include developing and disseminating educational materials such as the annual coral reef calendar, eco-cards, media articles, fact sheets and posters. These materials are then distributed to different organizations, including the Marianas Visitors Authority and Joeten-Kiyu Public Library. The coral reef calendar continues to be a powerful tool for outreach as its popularity amongst residents allows us to communicate a multitude of pro-environmental messages to a diverse audience. Eco-cards are small placards placed by the register or alongside products at participating businesses that suggest ways to be more environmentally friendly, such as bringing a reusable grocery bag or choosing products without toxic chemicals. This is a cost-effective form of

communication that also allows us to connect to an expansive audience. Fact sheets, stickers, and/or posters are distributed at events and after presentations.



Figure 2 Cover page of the 2017 CRI Calendar.

### **School Presentations**

The Education and Outreach Coordinator will collaborate with the CNMI Public School System, as well as a number of private schools, to give coral reef presentations to every 4<sup>th</sup> and 5<sup>th</sup> grade classroom, in addition to special requests for presentations. The Coordinator will utilize appropriate teaching methods, such as the climate change videos and the watershed model, to actively engage the students.

Alongside 4<sup>th</sup> and 5<sup>th</sup> grade classrooms, the Education and Outreach Coordinator will conduct outreach that specifically targets 10<sup>th</sup> and 11<sup>th</sup> grade classrooms. This will build off of Climate Change curricula that is to be implemented in 6<sup>th</sup> and 9<sup>th</sup> grade classrooms in 2017. The 10<sup>th</sup> and 11<sup>th</sup> grade outreach intends to expand on the concepts learned as part of the curriculum. This includes how climate change will affect coral reefs and what we can do to minimize those impacts here in the CNMI. The 4<sup>th</sup>, 5<sup>th</sup>, 10<sup>th</sup>, and 11<sup>th</sup> grade outreach, combined with the climate change curricula in 6<sup>th</sup> and 9<sup>th</sup> grades, will bridge a large gap in coral reef and climate science in the CNMI public school system.



Figure 3 A coral reef presentation is given to students of Kagman High School.

## Community Events and Media

Education and outreach will also be performed at community events around the CNMI. The Coordinator will continue to participate in the Environmental Expos on both Saipan and Rota each April as part of Environmental Awareness Month. In addition to the environment-specific events, the Coordinator will take advantage of other community events to conduct outreach. Island-wide community events have been under-utilized in the past but are important avenues for public education as they allow us to reach a wide and diverse audience in one setting. Equally important is the unique opportunity for these events to allow us to establish a presence in the community, enabling us to build rapport with residents and instill trust in our leadership.



Figure 4 The "Love Our Beaches" mascot, Primo, makes an appearance at a community outreach event.

The Education and Outreach Coordinator will also utilize various media outlets such as radio, print, and television, as well as social media, to advertise the Coral Reef Initiative and disseminate information on ongoing projects and activities.

An important part of our communications strategy is establishing — and eventually maintaining — a strong online presence, utilizing various forms of social media such as Facebook and Instagram. Social media increasingly continues to be a strong tool for public outreach. It also allows us to reach CNMI residents living off island and in the mainland, many of whom frequently return or plan on returning to the CNMI. Social media is also, arguably, the most cost-effective of all communication methods, as profiles are free and engaging audiences has no expense other than time.

The Coordinator will continue to partner with the Marianas Variety newspaper to develop and publish "Reef Tips" and "Beach Tips" articles - monthly publications containing pro-environmental tips and other information to increase community understanding of coral reef

ecosystems. Similarly, we will continue to partner with Beach Road Magazine to develop and publish articles for their dedicated "Our Environment" section. If appropriate and cost-efficient, articles may be printed as advertisements in the second of two newspapers in the CNMI, the Saipan Tribune.

Lastly, the coordinator will work with radio and television outlets such as KKMP Radio, Power 99, and FlameTree TV to disseminate coral reef and CRI information. Maintaining strong relationships with the radio DJ's is particularly important, as most of them already have established connections with their audiences, and would therefore be effective at communicating our key messages.



Figure 5 An example of Reef and Beach Tips articles.