



OCEANWIDE SCIENCE INSTITUTE

Aloha,

I began working with Oceanwide Science Institute (OSI) in March 2014 as a Research Specialist. OSI, a Hawaii-based 501(c)3 non-profit organization, has been active in our local and international marine research and academic community for nearly 17 years. We are academics and professionals who seek to further our community's understanding of the marine ecosystem through science and education. Our individual specializations are varied, but a common thread in our work is the use of sound to study biological, ecological and human-mediated processes in the marine environment. As you probably know, acoustic data can provide invaluable information about marine ecosystems.

Much of our work is supported by grants from private foundations and by contracts with government agencies and industry. When we find ourselves in between funded projects, we can explore data sets we have previously collected to answer specific scientific questions related to OSI's mission, but are not directly funded. We have many questions about the marine world and many of the answers are there in our data! In order to investigate these data further we need to raise funds to spend time to processing, analyzing, and preparing the data for publication.

That's where you come in! Our hope is that you will become part of the OSI ohana (family). We want to build long lasting relationships with those who believe in our work and together make a real difference in understanding marine ecosystems through world-class science.

Currently, we are looking to advance and finalize two exciting projects:

- First, a collaborative project was started in September 2014 between Woods Hole Oceanographic Institution (WHOI) and OSI to characterize the coral reef soundscapes of eight reefs around Maui's coast. In case you're not familiar, 'soundscapes' are the acoustic equivalent of landscapes, from which we can learn a lot about reef health. Our recording instruments (the [Ecological Acoustic Recorder](#) – EAR) will be recovered in the summer of 2015. In total, we will have nearly 1 year of data to analyze. While WHOI is focusing on linking coral reef sounds to species assemblages present on each reef, OSI is interested in the occurrence of odontocetes (toothed whales; i.e. dolphins). Not much is known about the distribution of odontocetes around Maui with respect to their preferred habitats and where they forage. With the information we hope to obtain, we plan to inform the local community about Maui's dolphins and help marine resource managers be better equipped to make informed decisions about how best to protect dolphins.
- Second, we are interested in determining whether the song of different male humpback whales is qualitatively different and therefore a potential cue of each individual's fitness as a mate and/or competitor. To date, this has never been quantitatively studied. However, we have the data to do so! OSI's founder, Dr. Marc Lammers, and University of Hawaii's Dr. Adam Pack have obtained calibrated humpback whale song recordings from 15 singers. For each singer, they measured the distance that they were recording from the whale and the size of each whale was established by using a videogrammetry technique. As a result, we have very accurate and detailed information about the song of each individual whale, coupled with information about the whale's size. Our objective is to compare the singing abilities of individual whales and relate these to their size. To our knowledge, these data are unique in the world!

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www.oceanwidescience.org



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We've done a lot of work to get to this point and now need focused time to pull together the information present in our data. In order to complete both of these projects, we need to raise \$25,000 to cover costs involved. We ask that you consider being part of our mission and supporting our work financially. When you give to OSI, 100% of your tax-deductible contributions go toward research, not administrative costs.

There are 3 easy ways to give to OSI:

1. You may choose to give a monthly, quarterly, or a one-time credit card gift. Earn rewards on your favorite credit card while giving to OSI! You may fill out the pledge form below or call us to facilitate!
2. Visit our website at <http://oceanwidescience.org/> to make a secure donation through [PayPal](#) (to see suggested donation amounts, please view our pledge form below.)
3. Send a check directly to us at OSI, P.O. Box 61692, Honolulu, HI 96839. Please include our OSI pledge form with your check. If you'd like, we'd be happy to send you a pre-stamped envelope.

In addition to supporting us financially, you can help us spread the word about the work we are doing around the world! If you have Facebook, Twitter, LinkedIn, etc. ask others to join you in supporting OSI today! If you know an individual or business that you think may be interested in our work, please have them contact me directly at 808-572-9000, ezang@oceanwidescience.org or direct them to our [website](#). When visiting our website, don't forget to sign up for our newsletter to obtain progress updates on the project(s) you are supporting!

If you are in the Maui area and would like to meet personally to discuss our work, please let me know! And if you are outside of Maui, feel free to give us a call anytime to discuss how your dollars are being put to work.

Thank you so much for your time and considering becoming part of the OSI ohana.

With much Aloha,

Eden Zang
Research Specialist
Oceanwide Science Institute

Please let us know your preferred method of communication (phone, email, US mail) and if you would like to receive future communications from us.



OCEANWIDE SCIENCE INSTITUTE

Pledge Form



OCEANWIDE
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Name: _____

Address: _____

Preferred Phone: _____ Preferred Email: _____

I want to give the following annual amount:* \$500 \$250 \$100 \$50 \$25 Other \$: _____

Nai'a (dolphin) giving group (gifts of \$1000 or more annually*): \$1,000 \$1,500 \$2,500 Other \$: _____

**If you choose to give throughout the year by monthly/quarterly credit card charge, the total amount selected above will be divided appropriately. Ex. \$1,000 annual gift equals \$83.33/month.*

I choose to give by:

A. CREDIT CARD:

MONTHLY QUARTERLY ONE-TIME CHARGE Visa MC Discover AMEX

Account Number: _____ Exp. Date: Month/Year: _____

(Credit card will be charged upon receipt; \$25 minimum transaction required.)

CCV#: _____

B. CHECK (Make check payable to: Oceanwide Science Institute) Check #: _____ Check Date: _____

Signature: _____ Date: _____

(Required for credit card authorizations)

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