

Plan Overview

A Data Management Plan created using DMPTool

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Title: Dead or Alive

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Funder: Tetiaroa Society

Template: Tetiaroa Field Station

Project abstract:

Understand the impacts that live vs dead corals have on species biodiversity.

Start date: 02-07-2023

End date: 02-07-2023

Last modified: 03-20-2023

Copyright information:

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Dead or Alive

Methodology

How will data be collected or produced?

- 1) Prior Criobe researcher Jules Schilgler placed 10 live corals and 10 dead corals at the mouth of Opunohu Bay. These corals were zip tied onto labeled PVC plates and concrete slabs.
- 2) After 1 week, 2 groups of 10 UC Berkeley students arrived at the site
- 3) Students took pictures of the corals underwater, then collected the corals into buckets
- 4) The corals were individually shaken in larger buckets of saltwater, filtered, and netted to remove the majority of the wildlife
- 5) The corals were then soaked in a clove oil and saltwater solution, temporarily anesthetizing remaining specimen.
- 6) Specimen from each coral was placed into individual labeled smaller containers
- 7) Specimen were placed into a clean flow table with aerators to keep species alive
- 8) Photos of specimen were taken in order to document data
- 9) Specimen were identified and quantified using fish identification books and expert knowledge
- 10) Data and photos were transferred to Excel File with all 20 specimen.

Access, Data Sharing and Reuse

Will you require an embargo period prior to making your prepublication data available? If requested, an embargo period may be granted for up to [1 year] after the end date of the Project as specified in its Data Management Plan.

- No

Do you agree to share all prepublication data contributed to the Tetiaroa Data Trust under the CC-0 license?

- Yes

Will your project include the collection of material samples? For example, archeological, geochemical (geosamples), and biological (biosamples) materials.

- Yes

Please describe standards you will utilize to register sampling events, apply unique identifiers, implement relevant metadata standards, and track derived material samples, data, and outputs.

Numerically labeled buckets and coral heads.

What are the further intended and/or foreseeable research uses for the completed dataset(s)?

Understanding how coral health affects biodiversity

State any expected difficulties in data sharing, along with causes and possible measures to overcome these difficulties.

The specimen identification might not be correct because it was completed by under-experienced students, so implementing a disclaimer would be helpful in data sharing

Documentation and Metadata

What documentation and metadata will accompany the data?

Photos of the data collection and specimen collection which accompany the data

Ethics and Intellectual Property

How will you manage copyright and Intellectual Property Rights (IP/IPR) issues? Demonstrate that you have sought advice on and addressed all copyright and rights management issues that apply to the resource.

Anyone can use this data

How will you handle sensitive data. Make explicit mention of consent, confidentiality, anonymization and other ethical considerations, where appropriate.

There is no sensitive data

Are any restrictions on data sharing required – for example to safeguard research participants or to gain appropriate intellectual property protection?

- No

Describe restrictions on data sharing required due to privacy or IP protection.

Question not answered.

Short-Term Storage, Security, and Data Management

Describe the planned quality assurance and back-up procedures, including security/storage and any use of encryption.

Question not answered.

How will you manage access and security?

Question not answered.

Specify the responsibilities for data management and curation within research teams participating in your project at all participating institutions.

Question not answered.

Selection and Preservation

Which data are of long-term value and should be retained, shared, and/or preserved?

The Excel Spreadsheet is of long term value and should be retained.

What is the long-term preservation plan for the dataset?

Planned Research Outputs

Dataset - "Dead or Alive"

Excel Spreadsheet with each coral number, notes whether coral is dead or alive, and corresponding species found in the coral

Planned research output details

Title	Type	Anticipated release date	Initial access level	Intended repository(ies)	Anticipated file size	License	Metadata standard(s)	May contain sensitive data?	May contain PII?
Dead or Alive	Dataset	Unspecified	Open	None specified		None specified	None specified	No	No