

## Plan Overview

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*A Data Management Plan created using HKUL DMPTool*

**Title:** Holocene sea-level variability in Western Australia

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# **Holocene sea-level variability in Western Australia**

## **Data Collection**

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### **What data will you collect or create?**

We will produce new data in the format of field notes, photos of field sites, GPS data, lab analysis, and a database. We expect to produce new information on paleo sea levels and revise information as necessary, on sites published in literature.

Additionally, field research data was collected in the field in January 2020. Sediment samples were taken from the southwestern Western Australia. These samples will be stored, processed, and analyzed as laboratory research data, following approved laboratory protocol and instructions.

### **How will the data be collected or created?**

We will use existing published data on sea levels in Western Australia. We will collect all the information in a database built with a Excel spreadsheet template, from which, at the end of the project we will extract the information to be submitted to repositories available to the public research community.

The existing data and samples from field research work consists of elevation and stratigraphic data with a differential GPS receiver. Field notes will be digitized at the end of the field work trip at the end of the field survey and store in PDF format.

## **Documentation and Metadata**

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### **What documentation and metadata will accompany the data?**

Data will be stored in excel files and when data collection is finished, a metadata document (item record) about the dataset will be created.

## **Ethics and Legal Compliance**

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### **How will you manage any ethical issues?**

No human or animal participant is involved in this project. Consent for data obtainment from open-access publications are not necessary.

## **How will you manage copyright and Intellectual Property Rights (IP/IPR) issues?**

Copyright of the written thesis will be retained by the student. Data will be published in open-access journal with the intention that it may be used by the larger scientific community.

## **Storage and Backup**

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### **How will the data be stored and backed up during the research? i. e. until stored in the final location (e.g. on your password protected laptop)?**

I will make three copies of my dataset. Data files will be kept in my password-protected computer laptop. I will also store a backup copy of the data files in a password-protected external hard drive which will be updated on a regular basis. Lastly, all data and files will be backed-up in a personal Dropbox drive as a back-up method.

### **How will you manage access and security?**

The data is protected within the lab group, supervisors, and trusted collaborators upon my agreement.

## **Selection and Preservation**

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

Data from this project will be used in publications, thesis writing, and conference presentations and will be retained and preserved as 'Supplementary Material' in a paper that will be accessible to the public.

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

The data will be long-term preserved as a public database.

## **Data Sharing**

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### **How will you share the data?**

There is no restriction on data sharing, as long as no ethical issue is brought up.

### **Are any restrictions on data sharing? If yes, Why?**

After publication of paper, there is no privacy or security issues concerning the data.

## **Responsibilities and Resources**

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### **Who will be responsible for data management?**

Data will be managed primarily by me. If there is any collaboration in the future, I, the owner of the data, will be responsible for the data.

### **What resources will you require to deliver your plan?**

No additional resources are needed for me to deliver this DMP.

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