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## CTD and ADCP data

*A Data Management Plan created using DMPonline*

**Creators:** First Name Surname, First Name Surname

**Affiliation:** Other

**Template:** DMPOnline Template (NWU)

### **Project abstract:**

A CTD instrument is used to measure conductivity, temperature and pressure directly, and other variables are derived from these (pH, fluorescence, density, depth). Data are collected on a quarterly basis. An Acoustic Doppler Current Profiler (ADCP) is used to measure water temperature, pressure, current speed and direction. Other variables can be derived from these measurements. The Instrument is deployed for 8 months. Metadata collected include the project name, date, time and location.

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# CTD and ADCP data

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## Data Collection

### What data will you be collecting ?

CTD and ADCPs are used to measure conductivity, temperature and pressure directly, and other variables are derived from these (pH, fluorescence, density, depth). Data are collected on a quarterly basis. An Acoustic Doppler Current Profiler (ADCP) is used to measure water temperature, pressure, current speed and direction. Other variables can be derived from these measurements. The Instrument is deployed for 8 months. Metadata collected include the project name, date, time and location.

CTD and ADCP data files are downloaded using Sea-Bird and RDI software tools. The files are uploaded and converted into .CNV files. Metadata will be stored on an excel spreadsheet. Metadata includes things such as lat/long, depth, time, date.

File sizes vary, but they are not large, usually a couple mb/file.

### Who will be involved in your data collection ?

Data collection will be managed by field technicians. Data will be upload, stored and handed over to the relevant researchers.

## Ethics

### Give a description of your Ethics

TBD