

DATA MANAGEMENT

Knapp Lab Data Management Plan

Expected data

The proposed work will generate data consisting of stable isotopic measurements of nitrate+nitrite ($\delta^{15}\text{N}$ and $\delta^{18}\text{O}$), as well as dissolved organic nitrogen ($\delta^{15}\text{N}$) from marine water column profiles. The data generated will be collated and disseminated to the public upon publication. PI Knapp will be responsible for maintaining and backing up the isotopic data to external hard drives in the lab.

Data formats and dissemination

All data will be published in manuscripts resulting from this work. The PI has a history of reporting data in figures as well as in supplementary tables for ease of use by other researchers, and will continue to publish all data in this format.

Period of data retention

Data generated will be published in peer-reviewed journals and will also be available directly from the PI throughout the existence of the PI's lab.

Data storage and preservation of access

Data will initially be stored on computers in the PI's lab. These computers are backed up daily to external hard drives to store redundant copies of all data. Eventually all data will be made available through peer reviewed publications, and once published these data will also be archived in national databases (e.g. the Biological and Chemical Oceanography Data Management Office, BCO-DMO) where the data will be freely available to the public. Data corresponding to a publication will be made available as supplementary material and will be available through the website of the relevant journal.