

Reporting, Data and Sample Requirements for Marine Science Research carried out under UNCLOS within New Zealand's EEZ

Information for Researchers

New Zealand has established a point of contact, the New Zealand Marine Science Research (NZ MSR) Coordinator, within Land Information New Zealand (LINZ) to facilitate the provision of voyage and scientific reports, data and samples to New Zealand. The NZ MSR Coordinator can be reached at MSR-NZ@linz.govt.nz.

The NZ MSR Coordinator will monitor all research voyages approved by NZ's Ministry of Foreign Affairs and Trade and if, after one year following the marine research voyage, no reports and data have been received, the coordinator will follow-up the organisation / scientist-in-charge seeking the information.

REPORTS

At the conclusion of the voyage, the scientist-in-charge is to provide a preliminary voyage report to the NZ MSR Coordinator indicating when and how the preliminary and final results of the marine research will be made available. A template for this report is available from <https://www.linz.govt.nz/sea/marine-scientific-research/information-for-researchers>.

Final scientific reports are to be sent to the NZ MSR Coordinator.

DATA

All raw and processed data including, but not limited to, the following datasets are to be sent to the NZ MSR Coordinator:

- Bathymetry and acoustic backscatter (e.g., single beam and multi-beam sonar)
- Meteorology (e.g. air temperature, relative humidity, etc.)
- Habitat and seabed (e.g. video & photo imagery, seabed interpretations etc.)
- Oceanography (e.g. CTD, current measurements, water column)
- Geophysical and potential field (e.g. gravity, magnetics, side-scan sonar, sub-bottom profiler, seismic, heat flow, etc.)

Preferred data formats by measurement type

Seabed backscatter	raw
Water column backscatter	raw

Bathymetry	GSF or x,y,z
ADCP	xxxxxxxx
Seabed imagery	position, jpeg images, interpretations, analysis results
CTD	xxxxxxxx
Gravity	ascii, ASEG—GDF2 or MGD77
Magnetics	ascii, ASEG—GDF2 or MGD77
Side-scan	in a format readable by public domain software e.g. MBsystem
Sub-bottom	SEG-Y (including navigation in header)
Seismic	raw SEG-Y gathers, processed SEG-Y (including navigation in header)
Heat flow	ascii
OBS	SEG-Y

METADATA – for each dataset

- Voyage identifier
- Contact person for this dataset
 - Name
 - Email
 - Organisation
- Dataset Details
 - Measurement type(s)
 - Title
 - Abstract (including aim of planned research)
 - Measurement instrument(s)
 - Location (bounding box extents and a shapefile of line, polygon data or point data)
 - Start date, end date (yyyy-mm-dd format)
 - Positioning system
 - Coordinate system
 - Vertical datum
 - Relevant reference papers

SAMPLES

For all samples the following information must be forwarded to the NZ MSR Coordinator: the contact details of database/collection the samples have been deposited in; sample number; sample type; latitude; longitude; water depth; and

- for geological samples: length of core (if a core is taken);
- for biological samples: analytical results if undertaken; voucher specimen including any formal species identification.

For geological and biological samples which may be divided without detriment to their scientific values:

- contact the NZ MSR Coordinator to arrange delivery of such samples to New Zealand. Do not send them without making prior arrangements because there are potential biosecurity implications.