

## How to use this Directory

The main body of this Directory consists of a numbered series of "Project Summaries". Each summary contains all the information about the project substantially as contributed by the organization carrying out the research.

Within each subject class, the project summaries are arranged in alphabetical order of main responsible organization and project title.

The summaries are arranged in groups under subject classes. A complete list of AMRIP's Subject Classification Scheme follows this section.

The summaries are numbered sequentially and these entry numbers are used in the various indexes to refer to particular project summaries. Cross-references refer the reader to entries in other subject categories which may also be of interest. Since each project summary is printed only once (in the most pertinent subject class) these cross-references may be quite important in locating all relevant information.

Although the summaries are most self-explanatory, the user should be aware of the following points:

- \*summaries which have been highlighted by an asterisk following the entry number, are identical to those of the previous edition, i.e. no response from the responsible organization was received concerning those projects
- \*where information under "Period" is absent or incomplete, this reflects the information provided by the contributor; the absence of a completion date often indicates that the project will be continued indefinitely
- \*in cases where the sole Project Leader of the project is also the Contact Officer for the project, his name is shown only once under the Project Leader heading
- \*where the Contact Officer given is one of the previously listed Project Leaders, his telephone number and other information are not repeated
- \*the "Co-ordination with other projects" does not normally include references to co-ordination with projects conducted by the same project leaders or department/organization

The "Project Summaries" section is followed by a number of indexes. In all of these indexes the numbers refer to project summary numbers and not page numbers.

- \*The "Subject Index" is the key index in AMRIP. Each entry in the database is indexed by up to five descriptors (key words or phrases). All of these descriptors are used as lead terms in the (permuted) subject index.
- \*The "Organization Index" contains entries for all organizations and private researchers responsible for projects included in the Directory. Titles only are printed in entry number order.
- \*The "Project Leader/Contact Officer Index" enables the reader to check on the total involvement of particular project leaders and contact officers before approaching the contact officer regarding a project of particular interest.
- \*The "Locality Index" contains the location of the marine area concerned. This information was obtained directly from the contributors.

The Directory also contains a manually compiled Glossary of Abbreviations, and a list of Geographic Area Codes. These aids are located just before the Project Summaries Section.

### **Subject Classification Scheme – Main Classes**

Techniques and Equipment

Physical Sciences

Biomedical Sciences

Social Sciences

Fisheries and Aquaculture

Engineering

Resource Management

Operations

Cartographic Materials

## Detailed Subject Classes

### Techniques and Equipment

- Data management and manipulation
- Cartography and charting
- Navigation
- Miscellaneous

### Physical Sciences

- General
- Oceanography
- Chemistry
- Meteorology and climatology
- Geology
- Oil, gas and mineral exploration

### Biomedical Sciences

- General
- Microbiology
- Taxonomy
- Botany
- Algal taxonomy
- Taxonomy of plants other than algae
- Zoology
- Invertebrate taxonomy
- Vertebrate taxonomy
- Physiology
- Ecology
- Checklists
- Medicine

### Social Sciences

- General
- Anthropology and archaeology
- Biography
- History
- Economics
- Law and legislation
- Recreation and tourism
- Education

### Fisheries and Aquaculture

- General
- Resources
- Operations
- Products, processing and marketing

### Engineering

- General
- Electrical engineering and communications

Civil engineering and construction  
Mining engineering

Resource Management

General  
Resource allocation and zoning  
Pollution and other environmental threats  
Marine park management  
Surveillance and enforcement  
Coastal zone management

Operations

Shipping operations  
Ports and harbours  
Research and expedition management

Cartographic Materials

General

## Glossary of Abbreviations

ABRS	—	Australian Biological Resources Study
AMSTAC-FAP	—	Australian Marine Sciences and Technologies Advisory Committee – Funding Advisory Panel
AIMS	—	Australian Institute of Marine Science
ARCS	—	Australian Research Grants Scheme
BMR	—	Bureau of Mineral Resources, Geology and Geophysics
BRIAN	—	Barrier Reef Image Analysis System
CSIRO	—	Commonwealth Scientific and Industrial Research Organization
DAIA	—	Department of Aboriginal and Islander Affairs
d.w.t.	—	Dead weight tons
FAO	—	Food and Agricultural Organization (of the United Nations)
FIBEX	—	First International BIOMASS Experiment
FIRTA	—	Fishing Industry Research Trust Account
FRG	—	Federal Republic of Germany
GBR	—	Great Barrier Reef
GBRC	—	Great Barrier Reef Committee
GBRMPA	—	Great Barrier Reef Marine Park Authority
HF	—	High-frequency
IOC	—	Intergovernmental Oceanographic Commission
IR	—	Infra-red
LNG	—	Liquid natural gas
NOAA	—	National Oceanic and Atmospheric Administration
OTH	—	Over-the-Horizon
PCB	—	Polychlorinated biphenyls
RAN	—	Royal Australian Navy
R.V.	—	Research Vessel
Scuba	—	Self-contained underwater breathing apparatus
SST	—	Sea Surface Temperature
UNESCO	—	United Nations Educational, Scientific and Cultural Organization
VIMS	—	Victorian Institute of Marine Sciences
VIMSIS	—	Victorian Institute of Marine Sciences Information System
XRF	—	X-ray fluorescence (spectrometry)

## GEOGRAPHIC AREA CODES

The 200 mile Australian Fishing Zone has been used as the basis for defining geographic area for AMRIP. The map opposite shows how the codes have been assigned.

### Codes

- B Bass Strait — southern limit 41°S, coast of Tasmania, 143°30'E, 148°30'E, coast of Victoria
  - G South Australian Gulfs
  - D Great Australian Bight
  - S Other South Australian waters
  - W South-west Australia
  - E North-west Australia
  - Y Northern Territory except Gulf of Carpentaria
  - C Gulf of Carpentaria
  - J Torres Strait — 10°41'S, 141°20'E, 145°E and outer border of Torres Strait protected zone
  - R Great Barrier Reef — outer limit defined by GBRMPA act
  - Z Coral Sea
  - Q Other Queensland waters
  - N New South Wales
  - T Other Tasmanian waters
  - H Southern Ocean
  - V Antarctica — south of 60°S
  - P Pacific Ocean
  - I Indian Ocean
  - A Australia — everywhere within 200n mile AFZ limit
  - O Worldwide excepting areas above
  - X Not applicable
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