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- Department of Environmental Affairs & Tourism
- SA Navy
- CSIR
- SAEON
- Namibian Ministry for Fisheries & Marine Resources



## Introduction to SADCO's (NEW) Inventory

SADCO is in the process of updating its Web site. In the previous edition of the Newsletter, insight was provided on some of the screens, but in this edition we would like to provide more information on the Inventory.

The Inventory can be accessed via the Home Page (<http://sadco.csir.co.za>), by clicking on "Inventory" and then, on the next page, on "Inventory"), or go directly to the following URL:

<http://sadcoinv.csir.co.za/sadco1/SadInvNew>

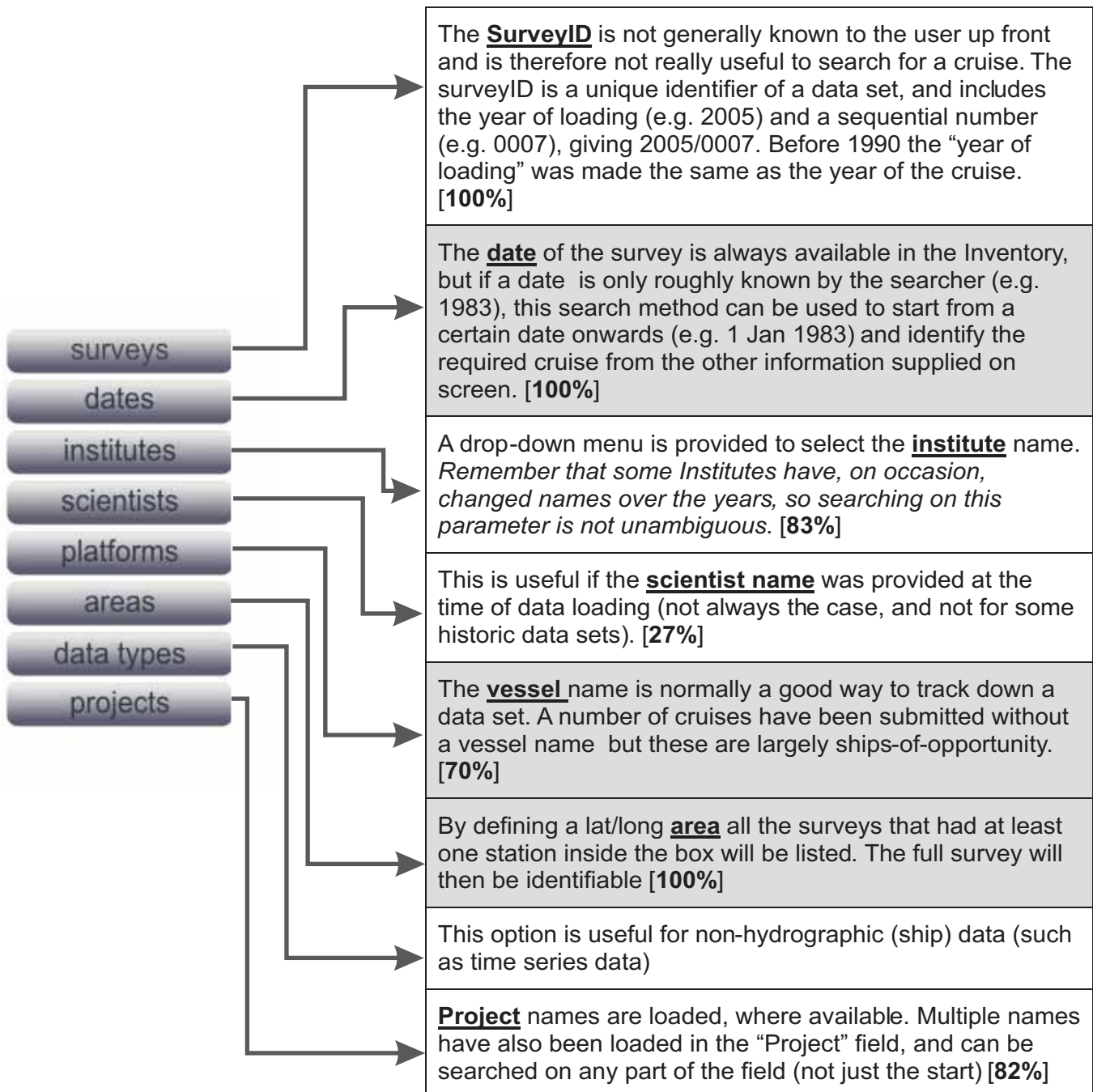
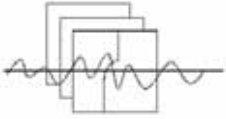
A user can search for a particular data set according to the buttons that will appear on the screen, namely surveys, dates, ... projects (see right). A description of the functionality of these buttons is given below. When searching for a data set (e.g. a cruise) the more info is known about the expedition the better it can be located. Sometimes, the incomplete

information known to the user has to be matched to the incomplete information supplied by the data provider to the data centre.

The table on the next page includes the % of entries that contain that particular parameter.

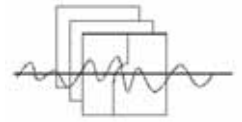
We are moving towards a system that will, eventually link the Inventory directly to the data extraction, which will simplify the extraction process and be open to all registered users.





*Note:*

- The total number of surveys in SADCO's inventory is 6 705 (June 2009).
- the percentage included in the table indicates the portion of the total number of entries where that parameter is included
- shaded searches are considered the best [date, vessel name, area]



# Example 1: Search by Institute

By entering the first few characters of the Institute name, an alphabetical list is provided of the institutes that start with those characters.

In the example below (fig. 1), “nat” was entered, with the intention to locate “Natmirc” (National Marine Information and Research Centre, Namibia).

By selecting this institute from the drop-down list, the next page provides a list of years for which data from this institute is available. If there were only a limited number of surveys, they will be listed directly.

Note: (a) It should be remembered that institutes reorganise and change their names: E.g. Marine and Coastal Management (MCM) used to be Sea Fisheries Research Institute (SFRI); Environmentek (CSIR) used to be EMATEK and before that NRIO (National Research Institute for Oceanology), etc. (b) Some Institutes' names exist in the database under the acronym, while others are written full out. We are presently busy rechecking the rationale behind the way institutes are identified.

Enter first few characters of the Institute Name and press ENTER:

Click on a Institute name for more information.

Institute	Address
<a href="#">Natal Museum</a>	237 LOOP STR. PIETERMARITZBURG 3201 NATAL
<a href="#">Natal Sharks Board</a>	Umhlanga, KwaZulu-Natal
<a href="#">National History Museum</a>	Paris
<a href="#">NATIONAL INST OF OCEANOGRAPHY</a>	GOA, INDIA
<a href="#">NATIONAL INSTITUTE FOR WATER RESEARCH</a>	DURBAN
<a href="#">National Institute of Oceanography</a>	U.K.
<a href="#">National Institute of Polar Research 9-10 Kaga</a>	1-Chome, Itabashi-ku, Tokyo 173
<a href="#">National Marine Information and Research Centre</a>	Namibia, Swakopmund
<a href="#">National Ports Authority (NPA)</a>	
<a href="#">NOAA / CMDL</a>	325 Broadway, Boulder, CO 80303
<a href="#">NOAA / PMEL</a>	7600 Sand Point Way NE, Seattle WA 98115
<a href="#">NOAA/Atlantic Oceanographic &amp; Meteorological Lab</a>	4301 Rickenbacker Causeway, Miami, Florida 33149, USA
<a href="#">NOAA/Cooperative Inst. of Marine Atmosphere Science</a>	4301 Rickenbacker Causeway, Miami, Florida 33149, USA
<a href="#">NOAA/NODC OCEAN CLIMATE LABORATORY</a>	
<a href="#">NOAA/NODC US DOC</a>	
<a href="#">None</a>	None

**Fig. 1**  
The output after entering “nat” for the Institute name.

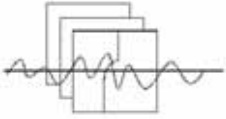
**Fig. 2**  
After selecting “Natmirc” in Fig. 1, the year coverage of the 157 surveys executed by Natmirc is provided (years marked in shading). Selection of a particular year provides a listing of the cruises.

**National Marine Information and Research Centre**  
**Namibia, Swakopmund**

Date range: 1974-01-01 to 2006-11-05  
Number of surveys: 157

Click on a year to start listing:

1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009



## Example 2: Search by Scientist Name

As before, enter the first few characters of the scientist's surname (without initials). In the example below, "gor" was entered and A L Gordon was selected from the list. The output is shown in Fig. 3.

**Fig. 3**  
List of the two cruises in which A L Gordon was entered as the PI.

<b>A L Gordon</b>
<b>Lamont-Doherty Earth Observatory</b>
Date range: 1983-11-13 to 1993-06-03
Number of surveys: 2

n.

Survey ID	Project Name	Survey/Station Name	Platform Name	Start	End	Survey Type	Data Stored?
1995_0028	Agulhas Retroflection Cruise	ARCX83	Knorr	1983-11-13	1983-12-10	Hydro	Y
1995_0024	BENGUELA SOURCE & TRANSPORT	Voyage 202	Discovery	1993-05-07	1993-06-03	Hydro	Y

## Example 3: Search by Platform

Enter the first few characters of the vessel name. In the example below, "mei" (first letters of "Meiring Naudé", the CSIR's research vessel, was entered.

The drop-down list (Fig. 4) shows Meiring Naudé at the top, plus more vessels listed alphabetically. Click on "Meiring Naudé", and this provides the output in Fig. 5.

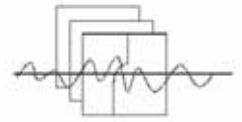
From the Table in Fig. 5, "1975" was selected. After selecting the year 1975, the output in Fig. 6 appears.

**Fig. 4**  
List of vessels obtained after entering "mei" in the field at the top.

Click on a Platform name for more information.

Platform Name	Platform Type	Callsign
<a href="#">Meiring Naudé</a>	Research Vessel	
<a href="#">Melville</a>	Research Vessel	
<a href="#">Mercury</a>	Research Vessel	
<a href="#">Meteor I</a>	Research Vessel	
<a href="#">Meteor II</a>	Research Vessel	
<a href="#">Mikhail Krupsky</a>	Research Vessel	
<a href="#">Mikhail Lomonosov</a>	Research Vessel	
<a href="#">Mikhail Somov</a>	Research Vessel	
<a href="#">Mikhail Verbitskiy</a>	Research Vessel	
<a href="#">Mirai</a>	Research Vessel	
<a href="#">Mispillion</a>	Research Vessel	
<a href="#">Mohabias</a>	Non-specialized ship	
<a href="#">Moldaviva</a>	Research Vessel	90M3
<a href="#">Monokristall</a>	Research Vessel	
<a href="#">Monte Rosa</a>	Research Vessel	
<a href="#">Mowe</a>	Research Vessel	
<a href="#">Mt. Cabrite</a>	Research Vessel	
<a href="#">Mudivug</a>	Research Vessel	
<a href="#">Mullinnix</a>	Research Vessel	
<a href="#">Musson</a>	none	
<a href="#">Mvs Ostrovskogo</a>	Research Vessel	
<a href="#">Mvslital</a>	Research Vessel	
<a href="#">Nadir</a>	Research Vessel	
<a href="#">Nansen</a>	Research Vessel	
<a href="#">Natal</a>	Research Vessel	

More



**Meiring Naude**  
 Date range: 1968-07-15 to 1989-12-08  
 Number of surveys: 379

**Click on a year to start listing:**

1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989

**Fig. 5**  
 Years during which the RV Meiring Naudé executed 379 surveys.

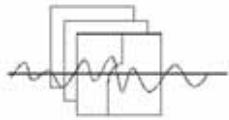
**Meiring Naude**  
 Date range: 1968-07-15 to 1989-12-08  
 Number of surveys: 379

Survey ID	Project Name	Survey/Station Name	Chief Scientist	Institute	Start	End	Survey Type	Data Stored?
1975.0029	Bathy	MN7502	F P Anderson	NRIO CSIR	1975-01-12	1975-01-24	Hydro	Y
1975.0030	Ported 7	MN7503	A F Pearce	NRIO CSIR	1975-02-03	1975-02-06	Hydro	Y
1975.0031	Bathy	MN7504	F P Anderson	NRIO CSIR	1975-02-11	1975-02-20	Hydro	Y
1975.0033	Ported 8	MN7506	A F Pearce	NRIO CSIR	1975-03-10	1975-03-13	Hydro	Y
1975.0004	ECOR 5	MN7507	T P McClurg	CSIR DURBAN	1975-03-18	1975-03-21	Hydro	Y
1975.0034	Bathy	MN7509	F P Anderson	NRIO CSIR	1975-04-06	1975-04-18	Hydro	Y
1975.0036	Ported 9	MN7510	A F Pearce	NRIO CSIR	1975-04-22	1975-04-25	Hydro	Y
1975.0005	ECOR 6	MN7511	T P McClurg	CSIR DURBAN	1975-05-05	1975-05-06	Hydro	Y
1975.0037	Bathy	MN7517	F P Anderson	NRIO CSIR	1975-06-03	1975-06-12	Hydro	Y
1975.0038	Saldanha 2	MN7518	A F Pearce	NRIO CSIR	1975-06-16	1975-06-26	Hydro	Y
1975.0040	AGULHAS TRANSPORT 1	MN7519	M L Grundlingh	NRIO CSIR	1975-07-23	1975-07-26	Hydro	Y
1975.0041	Shelf Dynamics 1	MN7522	A F Pearce	NRIO CSIR	1975-08-05	1975-08-12	Hydro	Y
1975.0042	DRIFTBOY	MN7523	M L Grundlingh	NRIO CSIR	1975-08-27	1975-08-31	Hydro	Y
1975.0009	NAT.MRN.PL	MN7524	T P McClurg	CSIR DURBAN	1975-09-03	1975-09-04	Hydro	Y
1975.0043	Bathy	MN7525	F P Anderson	NRIO CSIR	1975-09-08	1975-09-18	Hydro	Y
1975.0044	Shelf Dynamics 2	MN7527	A F Pearce	NRIO CSIR	1975-09-23	1975-09-23	Hydro	Y
1975.0045	Bathy	MN7529	F P Anderson	NRIO CSIR	1975-10-07	1975-10-23	Hydro	Y
1975.0047	AGULHAS TRANSPORT 2	MN7530	M L Grundlingh	NRIO CSIR	1975-11-04	1975-11-06	Hydro	Y
1975.0048	Saldanha 4	MN7533	P Slevin	NRIO CSIR	1975-11-22	1975-11-30	Hydro	Y
1975.0049	Bathy	MN7534	F P Anderson	NRIO CSIR	1975-12-04	1975-12-19	Hydro	Y



**Fig. 6**  
 List of Meiring Naudé cruises, starting in 1975. The arrow indicates the “Bathy” cruise selected, and portrayed in Fig. 7

From the list in Fig. 6, the cruise with the Survey\_ID 1975/0043 (Project “Bathy, Sept. 1975) was the one selected. The final output of the Inventory is shown in Fig. 7.



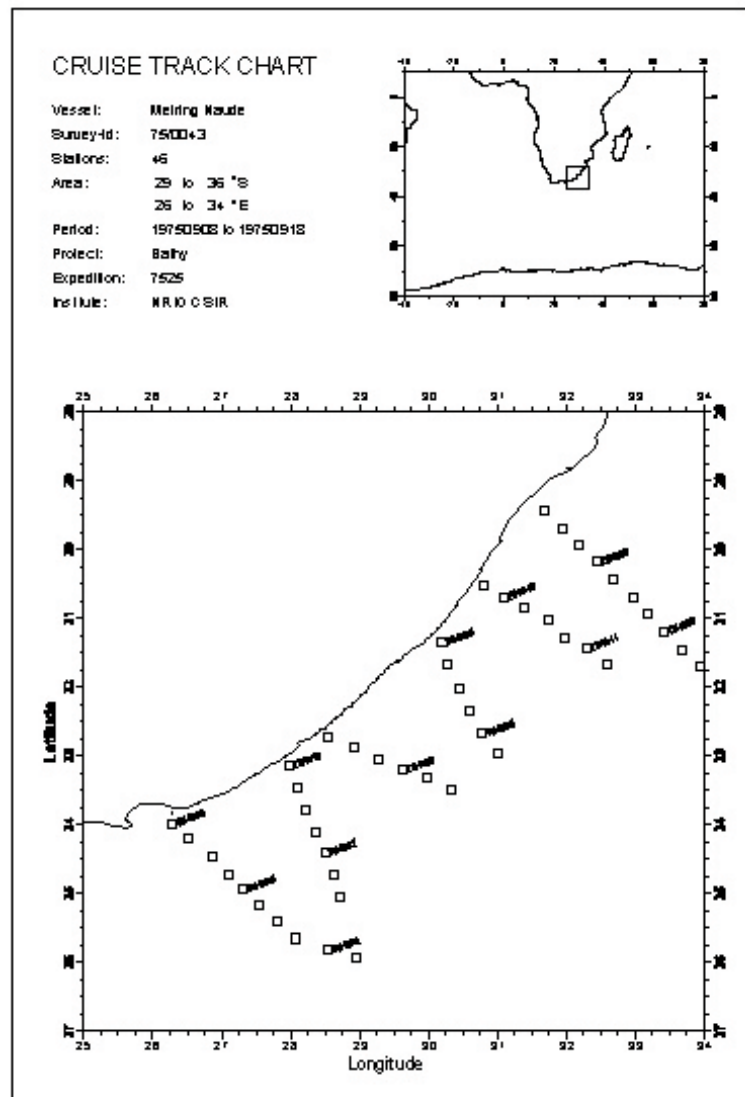
>>> Survey Summaries

Survey ID	1975/0043
Project Name	Bathy
Survey Name	MDN7525
Chief Scientist	F P Anderson
Institute	NRIO CSIR
Country	South Africa
Ship or Platform	Meiring Naude
Platform Type	Research Vessel
Start Date	1975-09-08
End Date	1975-09-18
Latitude	29.441670 to 35.95 degrees
Longitude	26.288330 to 33.95 degrees
Survey Type	Hydro

### Database Statistics

Number Of Stations : 46 Weather : 46

	Water	Sediment	Plankton	Tissue
Physical	416	0	0	0
Nutrients	310	.	.	.
Pollution 1	0	0	0	0
Pollution 2	0	0	0	0
Chemistry 1	0	0	.	.
Chemistry 2	0	0	.	.
Chlorophyll	0	.	0	.
Pesticides	.	0	0	0
Taxonomy	.	0	0	0
Currents	0	.	.	.

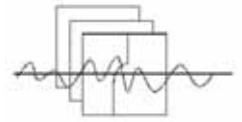


### Data Quality [Click to view detail](#)

Number of stations with flags for the following parameters (-1 indicates parameter not present)

Temperature : 0	Salinity : 0	Dis Oxygen : -1	Nitrate : 0	Phosphate : 0	Silicate : 0	Chlorophyll : -1	DIC : -1	pH : -1
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**Fig. 7**  
**Metadata and track chart of the cruise of the 46 Meiring Naudé stations on the “Bathy” project in September 1975**



## Example 4: Search by “data types” (useful for time series data)

After selecting the “data types” button, a selection of the “Waves” option shows the screen of wave stations of which data is available (Fig. 8). Selection of Richards Bay, shows the available data (Fig. 9)

**Waves**  
**Wave buoys**

Date range: 1976-02-03 to 1990-12-31  
Number of surveys: 3

ID for more information.

Survey ID	Project Name	Survey Station Name	Platform Name	Chief Scientist	Institute	Start	End	Data Stored?
<a href="#">2008/0543</a>	SLANGKOP		Waves	. unknown	National Ports Authority (NPA)	1976-02-03	1990-12-31	Y
<a href="#">2008/0541</a>	RICHARDS BAY		Waves	. unknown	National Ports Authority (NPA)	1979-01-02	1990-11-27	Y
<a href="#">2008/0542</a>	SALDANHA BAY		Waves	. unknown	National Ports Authority (NPA)	1981-04-29	1987-10-01	Y

**Fig. 8**

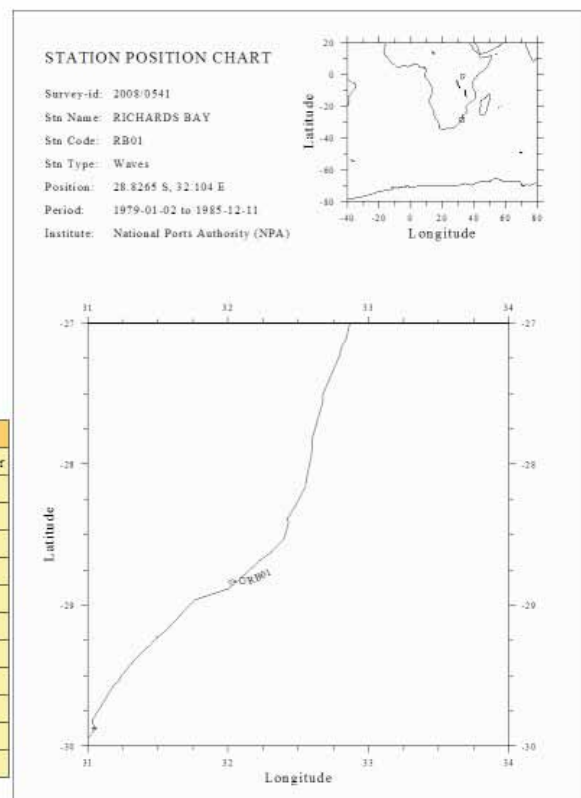
*Wave buoy stations for which data is in SADCO. Note that each “survey” covers a number of years.*

>>> Survey Summaries

Survey ID	2008/0541
Station Name	RICHARDS BAY
Chief Scientist	. unknown
Institute	National Ports Authority (NPA)
Country	South Africa
Ship or Platform	Waves
Platform Type	none
Start Date	1979-01-02
End Date	1990-11-27
Latitude	28.8265 to 28.8265 degrees
Longitude	32.1040 to 32.1040 degrees
Survey Type	Waves

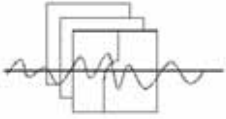
### Waves Database Period Record Counts

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	Instruments
1979	115	103	15	.	.	.	.	.	56	88	83	73	533	Wavemonitor, Waverider
1980	44	87	100	80	.	34	47	30	64	21	.	.	507	Waverider
1981	31	53	.	.	.	.	.	53	111	52	107	50	457	Waverider
1982	31	.	74	110	59	61	15	49	81	98	84	102	764	Waverider
1983	66	82	114	93	107	114	90	57	73	118	103	42	1059	Waverider
1984	64	49	43	123	92	26	80	27	62	65	42	103	776	Waverider
1985	97	104	120	101	94	87	98	43	131	65	104	42	1086	Waverider
1986	36	68	20	107	108	83	12	52	60	83	63	87	779	Waverider
1987	85	38	63	61	106	112	71	11	119	45	34	77	822	Waverider
1988	59	98	119	8	64	52	8	121	82	92	116	26	845	Waverider
1989	52	97	86	48	104	36	.	78	97	93	202	21	914	Waverider
1990	168	147	228	39	.	.	192	219	208	227	188	.	1616	Waverider



**Fig. 9**

*Data available per year for the Richards Bay wave buoy. Also indicated in the year-month table is the instrument type.*



## Example 5: Search by Project Name

If the project name was supplied to the data centre, this could be a very useful search parameter. Because the correct wording and spelling of project names is often not known to outside users, the search according to Project Name compares the entered search characters with the whole string in the “Project” field, to find a hit (not just the first few).

This allows an option in the data stored in the database, namely that Project field in the data centre may contain more than one Project name, such as “ACEP/ ASCLME/ Agulhas Current System”, and any

of the projects will be located during the search.

The output of a search for “Bathy” shows (Fig. 10) that 49 such surveys were done. Picking a specific cruise from that table will produce a similar output as in Fig. 7.

The projects names, project leaders and other fields, are presently being checked for consistency.

<b>Bathy Project</b>
Date range: 1968-10-15 to 1976-03-12
Number of surveys: 49

Survey ID	Survey/Station Name	Platform Name	Chief Scientist	Institute	Start	End	Survey Type	Data Stored?
1969.0001	MN6902	Meiring Naude	F P Anderson	NRIO CSIR	1969-01-21	1969-01-25	Hydro	Y
1969.0003	MN6906	Meiring Naude	F P Anderson	NRIO CSIR	1969-03-13	1969-03-24	Hydro	Y
1969.0005	MN6911	Meiring Naude	F P Anderson	NRIO CSIR	1969-05-13	1969-05-25	Hydro	Y
1969.0007	MN6917	Meiring Naude	F P Anderson	NRIO CSIR	1969-07-15	1969-07-27	Hydro	Y
1975.0026	MN6927	Meiring Naude	F P Anderson	NRIO CSIR	1969-09-09	1969-09-21	Hydro	Y
1970.0001	MN6934	Meiring Naude	F P Anderson	NRIO CSIR	1969-11-11	1969-11-23	Hydro	Y
1970.0002	MN7003	Meiring Naude	F P Anderson	NRIO CSIR	1970-02-10	1970-03-20	Hydro	Y
1970.0003	MN7011	Meiring Naude	F P Anderson	NRIO CSIR	1970-04-14	1970-04-26	Hydro	Y
1970.0005	MN7016	Meiring Naude	F P Anderson	NRIO CSIR	1970-06-02	1970-06-20	Hydro	Y
1970.0007	MN7020	Meiring Naude	F P Anderson	NRIO CSIR	1970-08-11	1970-08-21	Hydro	Y
1970.0009	MN7027	Meiring Naude	F P Anderson	NRIO CSIR	1970-10-13	1970-10-23	Hydro	Y
1970.0011	MN7032	Meiring Naude	F P Anderson	NRIO CSIR	1970-12-07	1970-12-19	Hydro	Y
1971.0002	MN7101	Meiring Naude	F P Anderson	NRIO CSIR	1971-01-25	1971-02-08	Hydro	Y
1971.0005	MN7107	Meiring Naude	F P Anderson	NRIO CSIR	1971-03-23	1971-04-02	Hydro	Y
1971.0008	MN7114	Meiring Naude	F P Anderson	NRIO CSIR	1971-05-18	1971-05-27	Hydro	Y
1971.0010	MN7121	Meiring Naude	F P Anderson	NRIO CSIR	1971-07-27	1971-08-06	Hydro	Y
1971.0013	MN7126	Meiring Naude	F P Anderson	NRIO CSIR	1971-09-21	1971-10-01	Hydro	Y
1971.0016	MN7131	Meiring Naude	F P Anderson	NRIO CSIR	1971-11-15	1971-11-26	Hydro	Y
1972.0011	MN7204	Meiring Naude	F P Anderson	NRIO CSIR	1972-02-22	1972-03-03	Hydro	Y
1972.0013	MN7216	Meiring Naude	F P Anderson	NRIO CSIR	1972-06-06	1972-06-26	Hydro	Y

**Fig. 10**  
List of cruises on the “Bathy” project, on which 49 surveys were executed.