

Catalogue of regularly issued Marine Environmental  
Data Products for the ICES Area. 1980 Issue

Compiled by  
ICES Hydrographer

In accordance with an ICES Resolution (C.Res.1971/4:1, (c)) a simple descriptive catalogue of ongoing marine environmental data synopses and services in the ICES area is being compiled on a continuing basis. The 1980 version is presented in this document. In such cases where there has been no response to the request for updating, the information of the 1979 version has been taken to be still valid.

As in the immediately foregoing years the catalogue has been split up into two parts, for real-time and non-real-time products respectively, and the tabular form has been used for presentation of the information received.

A list of specific national addresses from which information concerning the products, or the products themselves, may be obtained is included in the document.

Addresses of Producing Agencies

AEG NOAA/NMFS Atlantic Environmental Group  
South Ferry Road  
Narragansett, R.I. 02882  
U.S.A.

AES Ice Branch  
Atmospheric Environment Service  
4905 Dufferin Street  
Downsview, Ontario  
Canada M3H 5T4

AOL Atlantic Oceanographic Laboratory  
Bedford Institute of Oceanography  
P.O.Box 1006, Dartmouth, N.S. B2Y 4A2  
Canada

CFM Canadian Forces Meteorological and Oceano-  
graphic Centre (METOC)  
c/o Fleet Mail Office  
Halifax, Nova Scotia  
Canada B3K 2X0

CHS Hydrography Branch  
Canadian Hydrographic Service  
615 Booth Street  
Ottawa, Ontario  
Canada K1A 0E6

COB Centre Océanologique de Bretagne  
B.P. 337  
29.273 Brest Cedex  
France

DHI Deutsches Hydrographisches Institut  
Postfach 220  
2000 Hamburg 4  
Federal Republic of Germany

DMI Dansk Meteorologisk Institut  
Lyngbyvej 100  
2100 København Ø  
Denmark

DW Deutscher Wetterdienst  
Seewetteramt  
Offenbach  
Federal Republic of Germany

FHI Fiskeridirektoratets Havforskningsinstitutt  
Nordnesparken 2  
P.O.Box 1870-72  
5011 Bergen-Nordnes  
Norway

FLL Fisheries Laboratory  
Lowestoft  
Suffolk NR33 0HT  
U.K.

HMS Ministry of Fisheries of USSR  
Hydrometeorological Service  
12 Rozhdestvensky Boulevard  
Moscow K-45  
U.S.S.R.

HRS Hafrannsóknastofnunin  
Skúlagata 4  
P.O.Box 390  
Reykjavik  
Iceland

IMGW Instytut Meteorologii i Gospodarki Wodnej  
Waszyngtona 42  
81-342 Gdynia  
Poland

IMR Institute of Marine Research  
P.O.Box 166  
SF-00141 Helsinki 14  
Finland

IWB Institut für Wasserwirtschaft  
Berlin  
German Democratic Republic

KNMI Koninklijk Nederlands Meteorologisch Instituut  
Wilhelminalaan 10  
P.O.B. 201  
3730AE De Bilt  
Netherlands

MIAS(B) Marine Information and Advisory Service  
Institute of Oceanographic Sciences  
Bidston Observatory  
Birkenhead, Merseyside L43 7RA  
U.K.

MN Météorologie Nationale  
77, Rue de Sèvres  
92106 Boulogne-Billancourt Cédex  
France

MO U.K. Meteorological Office  
Headquarters Annexe  
Eastern Road  
Bracknell, Berkshire RG12 2UR  
U.K.

NBF National Board of Fisheries  
Institute of Hydrographic Research  
P.O.Box 2566  
S-403 17 Gästeborg  
Sweden

NEFC NOAA/NMFS Northeast Fisheries Center  
Woods Hole  
MA 02543  
U.S.A.

NESS NOAA National Environmental Satellite Service  
World Weather Building, Rm. 510  
Washington, D.C. 20233  
U.S.A.

NMC NOAA National Meteorological Center  
World Weather Building  
Washington, D.C. 20233  
U.S.A.

NMI Norsk Meteorologisk Institutt  
Blindern  
Oslo 3  
Norway

NOC Naval Oceanography Command  
NSTL Station  
Bay St.Louis, MS 39529  
U.S.A.

NWS NOAA National Weather Service  
Silver Spring, MD 20910  
U.S.A.

PSMSL Permanent Service for Mean Sea Level  
Institute of Oceanographic Sciences  
Bidston Observatory  
Birkenhead, Merseyside L43 7RA  
U.K.

RWS Rijkswaterstaat  
Directorate of Water Management  
and Hydraulisch Research  
Hoofthofskade 1  
2526 KA Den Haag  
Netherlands

RWS-NSD Rijkswaterstaat - North Sea Directorate  
Nijverheidsstraat 1  
2288 BB Rijswijk  
Netherlands

SH ICES Service Hydrographique  
Palægade 2  
DK-1261 Copenhagen K  
Denmark

SMHI Sveriges Meteorologiska och Hydrologiska Institut  
Hydrologiska Byrån, HBO  
S-601 01 Norrköping  
Sweden

UCG University College, Department of Oceanography  
Galway  
Ireland

USCG U.S. Coast Guard Oceanographic Unit  
Building 159-E, Navy Yard Annex  
Washington, D.C. 20593  
U.S.A.

WKS Wasserwirtschaftsdirektion Küste  
Stralsund  
German Democratic Republic

Part I

Real-Time Data Products

	Parameters	Frequency of Production	Area Covered	Format	Distribution	Producing Agency	Comments
Canada	1. SST	1/week		Chart	FAX Broadcast, Mail	CFM	Seven-day composite, broadcast daily
	2. Significant wave data	2/day		Chart	FAX Broadcast	CFM	
	3. Significant wave data (forecasts for 6,12,24 and 36 hrs.)	2/day		Chart	FAX Broadcast	CFM	
	4. Ice conditions	daily	Gulf of St. Lawrence	Chart	FAX Broadcast	AES	Late December to mid-April or until area clear of ice. May be aerial observation or "current ice conditions"
	5. Ice conditions	daily	Gulf of St. Lawrence	Report	Marine Radio Broadcast	AES	Late December to mid-April or until area clear of ice. Also available on telex; includes forecast changes. Separate bulletins for marine navigation and for coastal fishing interests.
	6. Ice conditions	daily	East Newfoundland and Southern Labrador	Chart	FAX Broadcast	AES	January to June or until clear of ice. May be aerial observation or "current ice conditions"

	Parameters	Frequency of Production	Area Covered	Format	Distribution	Producing Agency	Comments
Canada (cont.)	7. Ice conditions	daily	East Newfoundland	Report	Marine Radio Broadcast	AES	Jan. to Jun. or until area clear of ice. Also available on telex; includes forecast changes. Sep. bulletin for marine navigation and for coastal fishing interests
	8. Iceberg limits	daily	Strait of Belle Isle area	Report	Marine Radio Broadcast	AES	Jun. to Oct. or until area free of icebergs
	9. Ice conditions	daily	Northern Labrador	Chart	FAX Broadcast	AES	July; may be aerial observation or "current ice conditions"
	10. Ice conditions	daily	Hudson Bay, Hudson Strait, Davis Strait	Chart	FAX Broadcast	AES	Jul. to Nov.; may be aerial obs. or "current ice conditions"
	11. Ice conditions	daily	Hudson Strait and Approaches	Report	Marine Radio Broadcast	AES	Jul. to Oct. Weekly after major ice clears. Also available on telex
	12. Ice conditions	daily	Davis Strait and Baffin Bay	Report	Marine Radio Broadcast	AES	Jul. to Oct. Ice edge
Denmark	1. Ice	daily	Cape Farewell and occasion. W. and E. Greenland waters	Chart	By FAX	DMI	Aerial reconnaissance, occasionally satellite-based information
	2. Ice	daily	Greenland	Report	Broadcast	DMI	Obs. from shore stations and latest aerial reconnaissance
	3. Ice	3/week	Greenland	Report	By mail (in Danish)	DMI	Obs. from shore stations and latest aerial reconnaissance

	Parameters	Frequency of Production	Area Covered	Format	Distribution	Producing Agency	Comments
Finland	1. Water level	2/day	9 Finnish harbours	Report	Broadcast (in Finnish) 2/day	IMR	With ref. to MSL 1 Oct-15 May (approx.)
	2. SST	2/week	N.Baltic, Gulf of Finland Gulf of Bothnia	Chart	By FAX and by mail	IMR	
	3. Ice conditions	daily	Whole Baltic	Chart	By FAX	IMR	During winter months
	4. Ice conditions	2/week	Whole Baltic	Chart	By mail	IMR	During winter months
	5. Ice conditions	4-5/week	Whole Baltic	Report	By telex (in English) daily. Broadcast (in Finnish and English) daily. By mail (in Finnish, Swedish and English) 4-5/week	IMR	During winter months
	6. Ice conditions (forecast for 30 hours)	daily	Gulf of Bothnia	Chart	By FAX	IMR	During winter months
France	1. SST at 12 GMT	daily	North Atlantic	Chart	By FAX at 0205 GMT	MN	Model: SST, Method Carstensen
	2. State of Sea (forecasts for 12, 36, 48 hrs.)	daily	North Atlantic	Charts	By FAX at 0205 GMT	MN	Model: DSA 5
	3. SST at 06 and 18 GMT	daily	Bay of Biscay and adjacent Atlantic region	Charts	Non	COB	Model: SSTGASC Method: Carstensen
Germ. Dem. Rep.	1. Ice and sailing conditions	daily	Coastal regions of the GDR	Report	Broadcast in German and English 2/day	WKS	During winter period
	2. Ice and sailing conditions	2-3/week	Whole Baltic, Skagerrak and main harbour-fairways of the SE North Sea	Report	By mail	WKS	During winter period



	Parameters	Frequency of Production	Area Covered	Format	Distribution	Producing Agency	Comments
Germany, Fed. Rep. of	1. Ice	Monday to Friday	Baltic Skagerrak Coastal areas of North Sea	Report	By mail	DHI	During winter and spring
	2. Ice	on request	Western Baltic	Chart	By FAX 2/day	DHI	During winter
	3. Outline of ice distribution	2/week	Baltic	Chart	By mail	DHI	During winter and spring
	4. Outline of ice edges	2-3/week	Newfoundland Banks region	Chart	By FAX 2/day	DHI	Generally Jan. to July
	5. SST	weekly	North Sea and adjacent areas	Chart	By mail, and by FAX 2/day	DHI	
	6. Bottom temperature	when sufficient data	North Sea	Chart	By mail	DHI	Up to 3 times a year
Netherlands	1. Waves	daily	North Atlantic	Chart	(Limited)	KNMI	

	Parameters	Frequency of Production	Area Covered	Format	Distribution	Producing Agency	Comments
Norway	1. Sea and swell forecast	2/day	North Sea (drilling positions)			NMI	
	2. Ship routing	on request	North Atlantic			NMI	For selected ships
Poland	1. Ice conditions	3-6/week	Baltic Sea	Bulletin	Baltic Sea countries	IMGW	During winter period
	2. Ice conditions	2/week	Baltic Sea	Chart	Baltic Sea countries	IMGW	During winter period
Sweden	1. Ice conditions and SST	2/week	Baltic Sea Kattegat Skagerrak	Chart	By mail	SMHI	
United Kingdom	1. Mean SST for previous 5 days	daily	47°N-70°N 10°E-25°W	Chart	By FAX and by mail	MO	1°C isotherms shown
	2. Ice conditions and mean SST for previous 5 days	daily	N.Atlantic 47°N-80°N and Baltic	Chart	By FAX and by mail	MO	Isotherms at 2°C intervals

	Parameters	Frequency of Production	Area Covered	Format	Distribution	Producing Agency	Comments
U.S.A.	1. SST	2/week	East Coast of U.S. to 55°W and 25°N to 45°N	Chart	By mail and FAX	NMC	1°C contours
	2. Eddies, currents, water masses						
	a.	3/week	Western Atlantic, 35°-50°N, 45°-76°W	Chart	By mail and NAFAX/DIFAX at 2157 Z	NWS/NESS	"Oceanographic Analysis"
	b.	2/week (Tu, Th)	Western Atlantic, 18°-36°N, 65°-97°W	Chart	By mail and NAFAX/DIFAX at 2157 Z	NWS/NESS	"Oceanographic Analysis"
	c.	Weekly	Western Atlantic, 31°-45°N, 55°-76°W	Chart	By mail	AEG	Like 2a but with additional information on Gulf Stream eddies
	3. a. Gulf Stream location	2/day	Gulf Stream, 27°-44°N, 65°-80°W	Radio message	USCG radio 6506.4 kHz, 8765.4 kHz and 13113.2 kHz	NESS	Position of Gulf Stream western boundary, GS ring centers and diameters. Update 3/week "Gulf Stream Wall Bulletin"
	b. Gulf Stream bulletin	4/day	Gulf Stream, 32-40°N, 65-80°W	Radio message	Part of west central N. Atlantic forecasts	NWS	Position of Gulf Stream western boundary. Update 3/wk "Rough Gulf Stream Location"
	4. a. Ice conditions	Weekly	Northern hemisphere 95°W east to 105°E	Chart	Mail	NOC/NWS	7-day ice forecast

	Parameters	Frequency of Production	Area Covered	Format	Distribution	Producing Agency	Comments
U.S.A. (cont.)	4. b. Ice conditions	2/month	Eastern Arctic	Chart	Mail	NOC/NWS	30-day ice forecast
	c. Ice conditions	Weekly	Eastern Arctic	Message	Teletype	NOC/NWS	Southern ice limit, smoothed contours of hemispheric sea ice conditions

Part II

Non-Real-Time Data Products

	Parameters	Frequency of Production	Area Covered	Format	Distribution	Producing Agency	Comments
Canada	1. Ice conditions	3/week	Eastern Seaboard	Chart	By mail	AES	Mid-December to June. Gulf, East Newfoundland and Grand Banks, Southern Labrador
	2. Ice conditions	weekly	Northern Labrador, Hudson Strait and Davis Strait	Chart	By mail	AES	Mid-June to late November
	3. Ice conditions	annually	Gulf of St. Lawrence, East Newfoundland	Report	By mail	AES	Seasonal forecast in early December
	4. Ice conditions	2/month	Gulf of St. Lawrence	Report	By mail	AES	30-day forecast of changes
	5. Ice conditions	annually	Hudson Bay, Hudson Strait, Davis Strait and Approaches	Report	By mail	AES	Seasonal forecast in early June
	6. Ice conditions	2/month	Hudson Strait, Davis Strait and Approaches	Report	By mail	AES	30-day forecast of changes
	7. Sea level	annually	Atlantic Coast of Canada	Tables	Year book By mail	CHS	Incl. statistical summaries

	Parameters	Frequency of Production	Area Covered	Format	Distribution	Producing Agency	Comments
Denmark	1. Temp. and sal. at a number of levels; surf. current	annually	Belt Sea Kattegat North Sea	Tables	Yearbook ("Oceanographical observations from Danish light-vessels and coastal stations")	DMI	Monthly reprints at request
	2. SST	annually	Northern North Atlantic	Tables	Yearbook ("Monthly surf. temperatures of the N. Atlantic: 50°-80°N, 0°-60°W")	DMI	Monthly values for 1°-squares
	3. Ice conditions	annually	Greenland waters	Charts	Yearbook ("The ice conditions in the Greenland waters")	DMI	
Finland	1. Ice winters (statistics)	at irregular intervals	Baltic Sea	Tables	Yearbook	IMR	Statistical summaries
	2. Oceanographic parameters	at irregular intervals	Baltic Sea	Summary Reports	Publ. of IMR	IMR	Observations from oceanographic cruises
	3. Temp. and sal. at a number of levels	at irregular intervals	Finnish fixed coastal stations	Summary Reports	Publ. of IMR	IMR	
	4. Sea level	at irregular intervals	Coast of Finland	Summary Reports	Publ. of IMR	IMR	

	Parameters	Frequency of Production	Area Covered	Format	Distribution	Producing Agency	Comments
France	1. SST	4/year	Bay of Biscay and adjacent Atlantic region	Charts	In the MET-MAR bulletin	COB	For every month three 10-day mean charts and one monthly mean chart
Germ. Dem. Rep.	1. Temp., sal., sea level	annually	Some Baltic coastal stations	Tables	Yearbook ("Gewässerkundl. Jahrbuch der DDR")	IWB	
Germany, Fed. Rep. of	1. Temp., sal., current, state of sea	annually	North Sea Baltic (light-vessels)	Tables	Yearbook ("Meereskundl. Beobachtungen und Ergebnisse")	DHI	Time delay approx. 1½ year
	2. Currents	annually	Mostly changing positions	Tables	Yearbook ("Meereskundl. Beobachtungen und Ergebnisse")	DHI	Time delay up to some years
	3. SST	3/month	Whole northern hemisphere	Chart (10-day means with stand. dev.)	By mail and by FAX	DW	FAX broadcast Tuesday and Friday
	4. SST	weekly	Atlantic N. of 30°N (incl. Mediterranean and Black Sea)	Chart (7-day means with stand. dev.)	By mail and by FAX	DW	FAX Broadcast Tuesday and Friday



	Parameters	Frequency of Production	Area Covered	Format	Distribution	Producing Agency	Comments
Iceland	1. Oceanographic parameters		Stand.sect. around Iceland	Tables		HRS	Worked 4 times/year (approx.)
	2. Temp.and sal.		Some coastal stations	Tables		HRS	Weekly observ. (Cont.recordings of temp. at 1-2 of the stations)
Ireland	1. Temp.and sal., nutrients serially 0 m to bottom	annually	Western coastal waters Ireland	Tables	By mail	UCG	Data report available by request
	2. Surface current drifters	periodically	Coastal waters Ireland	Charts		UCG	Information by request
	3. Surface water colour	periodically	Coastal waters Ireland	Tables		UCG	Information by request

	Parameters	Frequency of Production	Area Covered	Format	Distribution	Producing Agency	Comments
Netherlands	1. Oceanogr. and meteorol. parameters	annually	Southern North Sea (light-vessels)	Tables	Yearbook ("Met. en ocean. waarnemingen verricht aan boord van Nederlandse licht-schepen in de Noordzee")	KNMI	
	2. Sea level, sea temp.	annually	The Netherlands coast	Tables	Yearbook ("Jaarboek der Waterhoogten")	RWS	
	3. Ice conditions	annually	The Netherlands coast		Yearbook ("IJsverslag, bewerkt door de directie Waterhuishouding en Waterbeweging")	RWS	
	4. Water quality	4/year	Up to 60 km off the Dutch coast and Inland Dutch waters	Report	By mail		RWS-NSD (Att. Librarian)
Norway	1. Temp. and sal.	4/year	Norwegian coastal stations	Tables and graphs	Published in "Fiskets Gang"	FHI	10-day mean temp., monthly mean sal., deviations from 30-years normals
	2. Oceanogr. parameters				Publ. of FHI	FHI	Results of regular cruises
	3. Ice pack boundaries, SST	3/week	Norw. Sea Barents Sea	Chart		NMI	
	4. Severe ice concentration (forecast)	weekly	Oslofjord Skagerrak (navigable waters and harbours)			NMI	

	Parameters	Frequency of Production	Area Covered	Format	Distribution	Producing Agency	Comments
Sweden	1. Temp., sal., oxygen	monthly	N. Baltic Bothnian Sea			SMHI	
	2. Sea level	annually	Swedish coast			SMHI	
	3. Oceanographic parameters	at end of each cruise	Baltic Sea		Reports Charts (oxygen)	NBF	
	4. Oceanographic parameters	2/year	Baltic Sea Kattegat North Sea	Tables		NBF	
United Kingdom	1. Ice conditions (and mean SST for last 10 days of the month)	monthly	N. hemisphere N. of 40°N	Chart		MO	Isotherms at 4°C intervals. About 5 months in arrear
	2. Temperature (monthly means)	annually	Engl. and Welsh coastal stations	Tables	Published in "Annales Biologiques"	FLL	
	3. 10 met. elements incl. SST (monthly summaries)	annually	N. Atlantic N. of 20°N 20°E-50°W	Tables	UK contrib. to WMO worldwide scheme	MO	Summaries for NAOS and 8 selected sea areas

	Parameters	Frequency of Production	Area Covered	Format	Distribution	Producing Agency	Comments
U.K. (cont.)	4. Current meter data	annually	Mainly North Sea, English Channel	Inventory	FLL Techn.Rep. Ser.	FLL	Specific data inquiries to FLL
	5. Various parameters	at irreg. intervals	The seas around the British Isles	Atlas	FLL Techn.Rep. Ser.	FLL	Inform.relat-ing to, i.a., oceanogr., meteorology, geology, biology, pollution
	6. Monthly and annual mean sea levels	periodi-cally	The World	Tables	By mail	PSMSL	FAGS/IAPSO Activity
	7. Waves	periodi-cally	The World	Inventory	By mail	MIAS(B)	1st issue due autum 1979; RNODC (Waves) Activity
	8. Current Meter data	on request	Mainly NE Atlantic and adjacent seas	Inventory	By mail	MIAS(B)	Covers UK sources; continually updated by computer

	Parameters	Frequency of Production	Area Covered	Format	Distribution	Producing Agency	Comments
U.S.A.	1. SST marine mammals fish schools	monthly	U.S. continental shelf, Cape Hatteras to Cape Cod	Chart	By mail	USCG	Contoured from airborne radiation thermometry
	2. Vertical temperature distribution, surface salinity	annually	a. New York to Gulf Stream	Atlas	By mail and "Annales Biologiques"	AEG	Monthly XBT sections
			b. New Orleans through Western Caribbean	Atlas	By mail and "Annales Biologiques"	AEG	Monthly XBT sections
			c. Gulf of Maine	Report	By mail and "Annales Biologiques"	NEFC	Monthly XBT sections
	3. SST, fronts vertical temperature distribution	monthly	Gulf Stream region	Charts Reports	By mail	NWS	"Gulfstream", a booklet combining many sources of information
	4. Gulf Stream warm core eddy locations	monthly	U.S. East Coast to 35°N, 65°W	Chart with text	By mail	AEG	Also published by USCG in Atlantic Notice to fishermen
5. Movements of Gulf Stream warm core eddies	annual	Western North Atlantic (36°N, 43°N)	Charts tables and text	Mail; published in "Annales Biologiques"	AEG		
6. Bottom temperature on the continental shelf and slope	annual	Transect south of New England (vicinity of 71°W long.)	Contoured bottom temperature diagram and vertical sections, tables and text	Mail; published in "Annales Biologiques"	AEG		

	Parameters	Frequency of Production	Area Covered	Format	Distribution	Producing Agency	Comments
U.S.S.R.	1. Temperature, salinity		North Atlantic	Tables	To WDC-B	HMS	
ICES Service Hydrographique	1. Temp. and sal. at 10 m and near bottom	monthly	Skagerrak Kattegat	Charts	By mail	SH	1. + 2. also issued as annual volumes
	2. Bottom temp. and sal.	monthly	North Sea	Charts	By mail	SH	
	3. Sea surf. temp. and salinity	annually	North Sea NE. North Atlantic	Tables	By mail	SH	Monthly mean values over areas of 1° Lat. by 2° Long.
	4. SST (monthly anomalies)	annually	Atlantic N. of 50°N E. coast of Scotland	Tables Graphs	Publ. in: "Annales Biologiques"	SH	Anomalies for 15 standard areas
	5. SST (monthly means and anomalies)	annually	North Atl. Ocean Weather Stations	Tables	Publ. in: "Annales Biologiques"	SH	

Addendum. Ireland

Real-Time Data Products

Parameters	Frequency of Production	Area Covered	Format	Distribution	Producing Agency	Comments
1. Significant wave height and period Met.data	3-hourly	Kinsale gas platform (51°22'15"N 7°56'43"W)	Table	Transmitted on GTS	Irish Met. Service	Baylor Wave Staff Information by request
2. Significant wave height and period Met.data	2-4/day (operating season)	West Coast (mobile platforms)	Table		Irish Met. Service	Methods vary Information by request

Non-Real-Time Data Products (in addition to those reported on p.17)

4. Bottom currents	Periodically	Shannon Estuary	Reports		U.C.G.	Information restricted
5. Meteorological parameters	2/day	South East Ireland	Table		Irish Lights	Information by request
6. Temperature (sea)	2/day	South East Ireland	Table		Irish Lights	Information by request
7. Temperature (sea)	2/day	Malin Head	Table		Irish Met. Service	Information by request