HAFRANNSÓKNASTOFNUNIN

ICELAND SEA ECOSYSTEM PROJECT

Survey report

Ship : RV Bjarni Sæmundsson, RE 30 (TFEA)
Cruise Number : B6-2007
Cruise Period : 18 – 25 April 2007
Port of departure : Reykjavík
Port of return : Reykjavík
Responsible Institute : Marine Research Institute, Reykjavík
Chief Scientist : Hafsteinn Guðfinnsson

Scientific objective

The survey is a part of a larger project dealing with the structure and function of the Iceland Sea ecosystem with particular reference to life history and survival of capelin (*Mallotus villosus*).

Survey area and data collection

In this survey a total of environmental 30 stations were worked in the central and north eastern Iceland Sea (Fig. 1), and data were collected for hydrographic properties (CTD), nutrient concentrations, chlorophyll a and zooplankton biomass (Table 1).

Preliminary results indicate winter conditions with high nutrient loads and low chlorophyll values although signs of the onset of spring bloom were identified.

Fig. 1. Locations of environmental stations, April 2007.

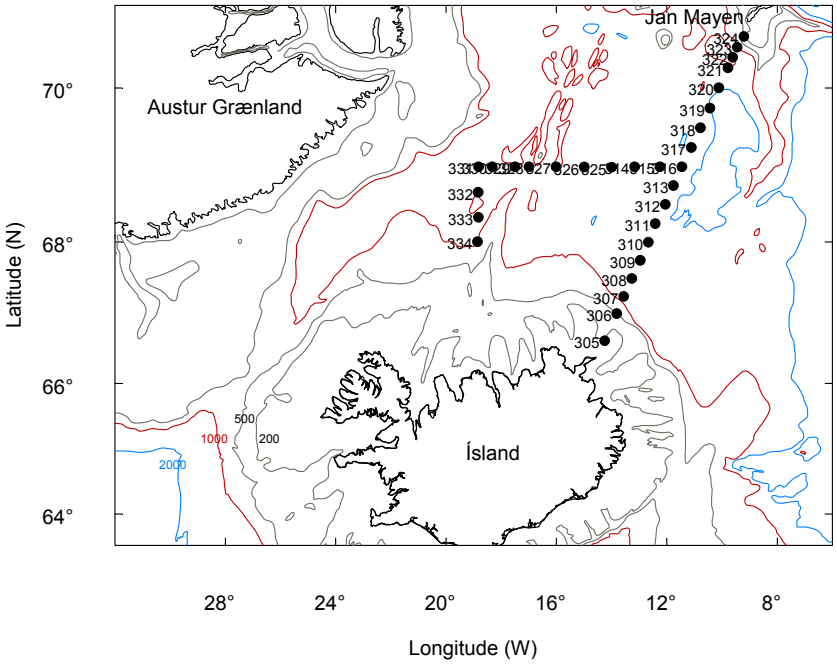

Table 1. Stations and data collection, April 2007.

Station information				Data collection								
				Oceanography				**Phytoplankton**				**Zoopl.**
Stat. no.	Date	Latitude	Longitude	CTD	Nutrients	Carbon	Calibr.	Klf a	Species comp.		Prim.	Multinet
		(N)	(W)				Sal.		Seawater	Net	prod.	Biom./sp.
305	19.4	663732	141507	x	x		x	x	x	x	x	x
306	19.4	670047	134897	x	x		x	x	x			x
307	19.4	671508	133383	x	x		x	x	x			x
308	19.4	673009	131597	x	x		x	x	x			x
309	19.4	674499	125788	x	x		x	x	x			x
310	19.4	675991	124001	x	x	x	x	x	x	x	x	x
311	20.4	681489	122513	x	x	x	x	x	x			x
312	20.4	683041	120336	x	x	x	x	x	x			x
313	20.4	684518	114582	x	x	x	x	x	x			x
314	20.4	690007	130998	x	x	x	x	x	x			x
315	20.4	690003	121503	x	x	x	x	x	x			x
316	20.4	690000	112694	x	x	x	x	x	x	x	x	x
317	21.4	691485	110688	x	x	x	x	x	x			x
318	21.4	693003	104695	x	x	x	x	x	x			x
319	21.4	694488	102635	x	x	x	x	x	x			x
320	21.4	700008	100691	x	x	x	x	x	x		x	x
321	21.4	701495	94704	x	x	x	x	x	x			x
322	21.4	702253	93652	x	x	x	x	x	x			x
323	21.4	702994	92668	x	x	x	x	x	x		x	x
324	21.4	703765	91249	x	x	x	x	x	x			x
325	22.4	685966	135984	x	x	x	x	x	x		x	x
326	22.4	685991	145921	x	x	x	x	x	x			x
327	23.4	685994	160069	x	x	x	x	x	x		x	x
328	23.4	685998	165967	x	x	x	x	x	x			x
329	23.4	685999	172984	x	x	x	x	x	x			x
330	23.4	685996	181956	x	x	x	x	x	x			x
331	23.4	685996	184894	x	x	x	x	x	x			x
332	24.4	684004	184989	x	x		x	x	x			x
333	24.4	682002	184968	x	x		x	x	x			x
334	24.4	680018	185143	x	x		x	x	x		x	x
			Total	**30**	**30**	**23**	**30**	**30**	**30**	**3**	**8**	**30**