



HAFRANNSÓKNASTOFNUNIN

ICELAND SEA ECOSYSTEM PROJECT

Survey report

Ship : RV Bjarni Sæmundsson, RE 30 (TFEA)

Cruise Number : B4-2006

Cruise Period : 18 – 26 May 2006

Port of departure : Reykjavík

Port of return : Reykjavík

Responsible Institute : Marine Research Institute, Reykjavík

Chief Scientist : Héðinn Valdimarsson

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 34 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, i.e., low nutrient concentrations and relatively low chlorophyll values, indicated that the spring bloom was already behind. High values of zooplankton biomass were recorded.

Fig. 1. Location of environmental stations, May 2006.

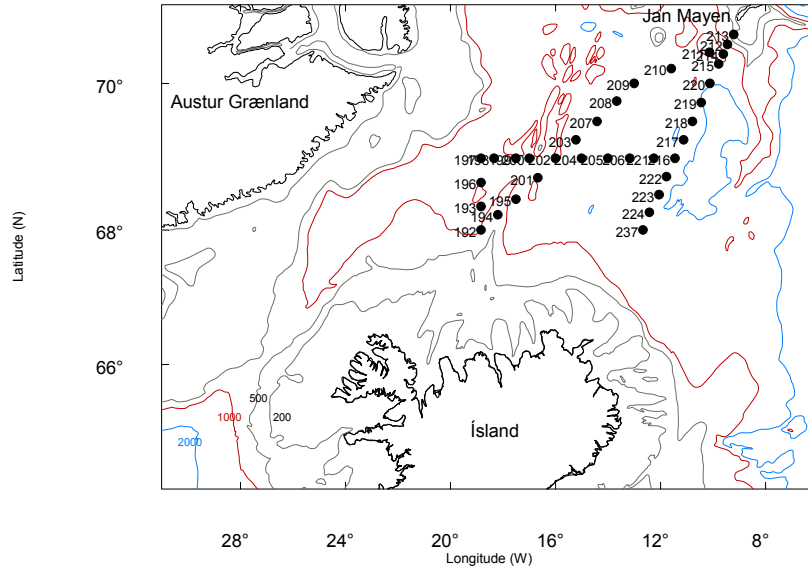


Table 1. Stations and data collection, May 2006.

Station information				Data collection												
Stat. no	Date	Latitude (N)	Longitude (W)	Oceanography					Phytoplankton				Zooplankton			
				CTD	Nutrients	Carbon	Calibr. Sal.	Calibr. O2	Chloroph.	Prim. produc.	Species comp. Sea water	Net	Secchi disk	WP2-net Biom/sp	Multinet Biom/sp.	
192	18.5	680000	185000	x	x		x		x	x	x	x	x	x		x
193		682000	185000	x	x		x		x		x	x	x	x		
194		681300	181150	x	x		x		x		x	x				
195		682600	173000	x	x		x		x		x	x				
196	19.5	684000	185000	x					x		x	x	x	x		
197		690000	185000	x	x	x	x	x	x	x	x	x	x	x		x
198		690000	182000	x	x		x		x		x	x	x	x		
199		690000	173000	x	x		x		x		x	x	x	x		
200		690000	170000	x	x		x		x	x	x	x	x	x		x
201		684400	164000	x	x		x		x		x	x				
202		690000	160000	x	x		x		x	x	x	x				
203	20.5	691500	151300	x	x		x		x		x	x	x	x		
204		690000	150000	x	x		x		x		x	x	x	x		
205		690009	135990	x	x	x	x	x	x	x	x	x	x	x		x
206		690000	131000	x	x		x		x		x	x	x	x		
207		693000	142500	x	x		x		x		x	x				
208	21.5	694600	134000	x	x		x		x	x	x	x				
209		700000	130000	x	x		x		x		x	x	x	x		
210		701150	113500	x	x		x		x	x	x	x				
211		702400	100800	x	x		x		x		x	x	x	x		
212		703000	92700	x	x	x	x	x	x		x	x				
213	22.5	703760	91260	x	x	x	x	x	x		x	x				
214		702264	93654	x	x	x	x	x	x		x	x				
215		701500	94700	x	x	x	x	x	x		x	x				
216	23.5	690000	112700	x	x	x	x	x	x	x	x	x	x	x	x	x
217		691500	110700	x	x	x	x	x	x		x	x	x	x		
218		693000	104700	x	x	x	x	x	x		x	x				
219		694500	102700	x	x	x	x	x	x	x	x	x				
220	24.5	700000	100700	x	x	x	x	x	x		x	x	x	x		
221		690000	121500	x	x		x		x		x	x	x	x	x	
222		684500	114600	x	x	x	x	x	x		x	x	x	x		
223		683000	120300	x	x	x	x	x	x		x	x	x	x		
224		681500	122500	x	x	x	x	x	x		x	x				
227		680000	124000	x	x	x	x	x	x	x	x	x	x	x	x	x
237	26.5	680000	124000	x	x	x	x	x	x	x	x	x	x	x	x	x
Total				34	33	15	33	15	34	10	34	34	20	34	3	6