

"AURELIA"-CRUISE REPORTS
ON THE BENTHIC FAUNA OF THE SOUTHERN NORTH SEA

Report 3: Trawl survey October-November 1972

by

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(The "Aurelia"-cruise reports on the benthic fauna of the
southern North Sea are edited by G.J. van Noort)

INTRODUCTION

Since April 1972 a series of trawl surveys with the R.V. "Aurelia" are carried out in the southern North Sea with the object of obtaining information on distribution, constitution and fluctuations of the benthic fauna. The surveys were made with a 5½ m beam trawl which is an adapted copy of the 6 m beam trawl used by the Netherlands Institute for Fishery Investigations, IJmuiden in the Demersal Young Fish Survey programme. The mesh size in the cod end, however, was kept smaller: 5 x 5 mm². The hauls, therefore, were more or less selective with relatively high efficiency for crawling or swimming epifauna such as small demersal fishes, shrimps, crabs, asteroids, ophiuroids and some gastropods. For large fish as well as for infauna the efficiency was low. Since the efficiency of the fishing gear for different species has so far not sufficiently been estimated, the numbers given in the tables of this report should not be read as "numbers present" but as "numbers caught" per 10.000 m². The hauls were of 10 min duration and the distance covered by the fishing net were estimated with the aid of a Decca Track Plotter.

The position of the stations is given on p. 4 and 5. At each station only one haul was made. The catches were sorted on board, large animals were counted and a number of species were measured (all fishes and some echinoderms). For the estimation of the number of smaller animals (and the length of the shrimps) a subsample was taken from the catch. The length distributions of the common fish species and some echinoderms are given in this report, whereas the length distributions of the shrimps are to be found in a special report on shrimps of the four surveys carried out during 1972 and 1973 (VAN LEEUWEN, NIOZ interne verslagen, nr. 1975-8).

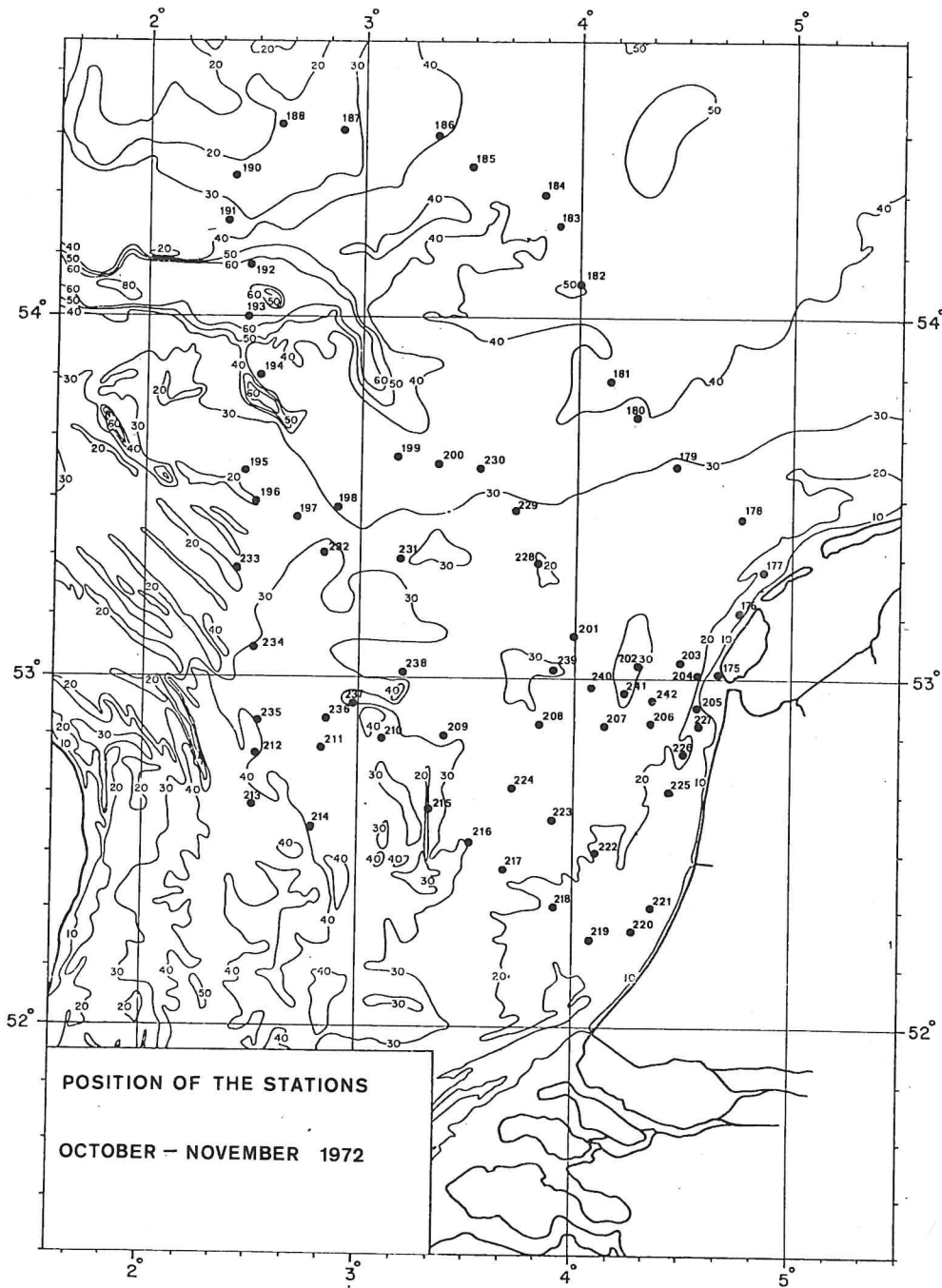
It should be noted that not all animals were counted consistently. Worms, for instance, were not taken into account. Also very small animals such as amphipods, isopods, and mysids were omitted whereas a number of molluscs, especially those belonging to the infauna, were not always counted. Fishes, crabs, shrimps, and echinoderms, on the other hand, were registered consistently. Every species is given a number indicating the relevant charts or tables.

The third cruise, described in this report, lasted from October 16th to November 1st 1972:

October	16th:	haul nr	175-178
"	17th:	" "	179-185
"	18th:	" "	186-194
"	19th:	" "	195-204
"	24th:	" "	205-210
"	25th:	" "	211-218
"	26th:	" "	219-227
"	30th:	" "	228-230
"	31th:	" "	231-238
November	1st:	" "	239-242

The participants were: R. Dapper, M. Fonds, B.R. Kuipers, Miss L. Zuurhout and the students M.M. Groenendaal, R.H. Lambeck, F. van Leeuwen, R. Leewis, A. Oggel and J. de Vries. Computer assistance has been rendered by R. Dapper.

HAUL NO.	POSITION N. E.	DEPTH M.	SURFACE °C	BOTTOM °C	SURFACE % Sal.	BOTTOM % Sal.	SECCHI M.
175	5302 0441	9.9	12.8	12.6	31.7	31.7	2.0
176	5310 0444	15.6	13.2	13.1	32.8	32.8	4.5
177	5317 0452	14.0	12.2	13.0	33.1	33.1	4.0
178	5326 0445	28.5	13.2	13.3	33.7	33.7	6.8
179	5335 0429	29.5	13.8	13.7	34.4	34.5	4.8
180	5313 0417	39.8	13.8	13.6	34.7	34.6	4.0
181	5349 0407	42.5	13.6	13.3	34.7	34.7	5.0
182	5406 0400	48.5	13.2	12.9	34.7	34.7	8.5
183	5415 0354	45.0	13.0	12.7	34.7	34.7	10.0
184	5420 0350	44.0	12.9	12.8	34.8	34.7	7.8
185	5425 0330	47.0	12.8	12.8	34.8	34.7	7.8
186	5430 0320	42.0	12.6	12.6	34.8	34.8	10.6
187	5430 0255	32.5	13.0	-	34.8	34.8	8.0
188	5430 0236	20.5	13.0	12.9	34.8	34.8	8.0
190	5423 0223	32.5	13.1	12.8	34.7	34.7	5.0
191	5415 0222	40.0	13.2	13.4	34.7	-	5.0
192	5408 0227	65.0	13.3	13.6	34.6	34.6	4.0
193	5400 0230	68.0	13.8	13.6	34.7	34.6	6.0
194	5351 0231	56.0	13.8	13.8	34.6	34.6	2.3
195	5334 0239	31.5	13.5	13.5	34.5	34.5	-
196	5329 0229	20.0	13.2	13.3	34.5	34.5	10.0
197	5328 0240	29.0	13.0	13.1	34.6	34.6	6.0
198	5328 0252	29.5	13.4	12.8	34.7	34.7	3.8
199	5335 0306	35.5	13.3	13.2	34.7	34.6	4.0
200	5335 0319	37.5	13.5	13.2	34.6	34.6	4.0
201	5308 0400	31.0	13.2	13.0	34.2	34.2	3.8
202	5303 0419	30.0	13.2	12.9	33.9	33.9	4.5
203	5302 0428	25.0	13.2	12.9	33.7	33.6	4.0
204	5300 0434	25.5	12.7	12.7	33.0	-	3.8
205	5254 0435	18.0	11.1	11.8	-	32.6	-
206	5252 0420	25.0	12.6	12.8	34.0	33.9	5.0
207	5251 0408	26.0	12.6	12.7	34.1	34.1	5.0
208	5252 0349	27.5	12.6	12.6	34.5	34.4	5.5
209	5250 0323	28.0	12.7	12.5	35.2	35.2	3.5
210	5249 0306	35.0	12.8	12.6	34.7	34.6	-
211	5248 0247	35.5	13.0	13.1	34.5	34.6	3.5
212	5246 0231	43.5	13.0	13.1	34.6	34.6	6.5
213	5239 0230	45.5	13.1	13.2	34.7	34.7	4.5
214	5236 0246	43.5	13.1	13.0	34.6	34.5	5.5
215	5237 0318	19.0	12.9	12.9	35.1	-	5.0
216	5232 0330	32.0	12.9	12.9	35.3	35.3	7.0
217	5226 0340	31.0	12.7	12.7	35.3	35.3	7.0
218	5220 0353	27.5	12.5	12.5	34.8	34.8	5.0
219	5215 0404	24.0	12.4	12.4	-	33.7	-
220	5215 0415	19.5	11.4	11.5	32.3	32.3	3.5
221	5220 0419	18.5	11.6	11.2	32.3	32.3	3.0
222	5229 0406	24.0	12.2	12.1	34.1	34.1	7.0
223	5235 0355	27.0	12.5	12.1	35.0	35.0	9.0
224	5242 0345	30.0	12.6	12.4	35.0	35.1	6.0
225	5240 0425	21.0	12.2	12.0	33.4	33.4	3.5
226	5246 0430	21.0	12.0	12.0	33.0	33.0	3.5
227	5252 0435	16.0	11.7	11.7	32.7	32.7	3.0
228	5318 0349	25.5	12.5	12.6	35.0	35.0	2.8
229	5326 0340	29.0	12.5	12.5	35.0	35.0	2.8
230	5335 0330	37.0	12.7	12.7	34.8	34.8	-
231	5320 0311	27.5	12.7	12.6	34.6	34.6	-
232	5318 0248	31.5	12.7	12.7	34.5	34.5	7.8
233	5317 0225	27.0	12.7	12.7	34.6	34.6	7.8
234	5309 0230	32.0	12.9	12.8	34.6	34.6	6.8
235	5251 0233	41.0	13.0	12.5	34.6	34.6	9.8
236	5253 0247	40.0	13.0	13.0	34.6	34.6	8.8
237	5255 0259	27.0	12.9	13.0	34.5	34.5	8.5
238	5300 0310	27.0	12.8	12.8	34.5	34.5	5.8
239	5302 0355	27.5	12.4	12.5	35.0	35.0	6.3
240	5258 0404	27.5	12.4	12.4	34.7	34.7	6.8
241	5257 0414	35.0	12.3	12.3	34.2	34.4	7.8
242	5255 0427	26.5	12.3	12.3	33.8	33.8	6.8



THE OCCURRENCE OF BENTHIC ORGANISMS AT DIFFERENT STATIONS IN NUMBERS CAUGHT PER 10,000 M2

NR:	SPECIES	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192
004:	SPRATTUS SPRATTUS	39	10	43	11	-	-	-	-	-	-	-	-	-	-	-	-	-	12
005:	SARDINA PILCHARDUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
006:	ENGRAULIS ENCRASICOLUS	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
009:	ANGUILLA ANGUILLA	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
010:	MERLANGIUS MERLANGUS	37	9	5	-	270	207	262	38	7	6	8	14	27	5	2	12	72	-
012:	TRISOPTERUS LUSCUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
013:	TRISOPTERUS MINUTUS	-	-	-	-	21	92	22	-	-	-	-	-	-	-	-	-	-	-
014:	GADUS MORHUA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
020:	RHINONEMUS CIMBRIUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59
023:	ENTELURUS AEGUREUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
024:	SYNGNATHUS ACUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
025:	SYNGNATHUS ROSTELLATUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
026:	ATHERINA PRESBYTER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
028:	TRACHURUS TRACHURUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
029:	MULLUS SURMULETUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
030:	TRACHINUS VIFERA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
031:	TRACHINUS VIFERA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
034:	HYPEROPLUS LANCEOLATUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
035:	AMMODYTES SPEC.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
036:	CALLIONYCHUS LYRA	6	31	23	18	157	211	210	36	48	89	12	10	18	30	32	50	2	-
037:	CALLIONYCHUS RETICULATUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
040:	APHIA MINUTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
041:	POMATOSCHISTUS MICROPS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
042:	POMATOSCHISTUS PICTUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
043:	POMATOSCHISTUS LOZANOI	7774	1320	150	586	20	184	11	10	-	58	31	24	13	-	6	1	6	-
044:	POMATOSCHISTUS MINUTUS	7774	3053	-	1304	66	1472	67	3	57	272	269	141	48	-	42	18	46	-
045:	POMATOSCHISTUS NORVEGICUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
046:	HEUTRIGIA GURNARDUS	5	17	26	2	7	10	8	2	12	7	13	2	13	16	22	29	3	-
047:	TRIGLA LUCERNA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
051:	AGONUS CATAPHRACTUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
052:	LIPARIS LIPARIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
057:	ARNOGLOSSUS LATERNA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
058:	SCOPHTHALMUS MAXIMUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
059:	SCOPHTHALMUS RHOMBUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
060:	HIPPOGLOSSOIDES PLATESSOIDES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
061:	LIMANDA LIMANDA	118	16	9	19	233	171	162	67	196	337	132	208	188	107	98	86	40	-
062:	PLATICTHYS FLEBUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
063:	PLEURONECTES PLATESSA	791	38	8	9	7	3	3	-	5	3	-	4	-	-	-	-	3	-
065:	RUGOSSIUM LUTEUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
066:	SOLEA SOLEA	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE OCCURRENCE OF BENTHIC ORGANISMS AT DIFFERENT STATIONS IN NUMBERS CAUGHT PER 10,000 M²

NR:	SPECIES	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209
004:	SPRATTUS SPRATTUS	2	-	17	-	-	20	-	-	-	2	-	16	-	2	2	-	-
005:	SARDINA PILCHARDUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
006:	ENGRAULIS ENGRASCOLOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
009:	ANGUILLA ANGUILLA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
010:	MERLANGIUS MERLANGUS	43	57	13	21	36	136	249	377	10	17	7	8	10	2	18	64	14
012:	TRISOPTERUS LUSCUS	-	1	-	-	-	-	29	32	-	-	-	-	-	-	-	-	-
013:	TRISOPTERUS MINUTUS	-	-	2	-	4	10	9	12	-	2	-	117	-	2	4	3	14
016:	GADUS MORHUA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
020:	RHINOMERUS CIMERIUS	94	38	-	-	-	-	21	24	-	-	-	-	5	-	-	-	-
023:	TELEURUS AEGUOREUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
024:	SYNGNATHUS ACUS	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	3	-
025:	SYNGNATHUS ROSTELLATUS	-	-	-	-	-	-	-	-	-	-	-	28	3	-	-	-	-
026:	IATHERINA PRESBYTER	-	-	-	-	2	2	-	-	-	-	-	-	10	7	-	-	-
028:	TRACHURUS TRACHURUS	-	-	2	5	2	-	-	-	59	4	-	-	-	-	-	-	-
029:	MULLUS SURMULETUS	-	-	-	-	-	-	-	-	-	-	-	-	-	5	6	3	-
030:	TRACHINUS VIFERA	-	-	-	116	6	-	-	-	-	2	-	-	-	12	9	14	70
034:	HYPEROPLUS LANCEOLATUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
035:	AMMODYTES SPEC.	-	-	-	54	-	-	-	-	-	-	-	-	-	-	-	-	-
036:	CALLIONYMUS LYRA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
037:	CALLIONYMUS RETICULATUS	2	6	84	46	53	181	38	21	86	52	48	20	44	30	8	72	104
040:	APHIA MINUTA	-	-	4	-	-	-	-	-	23	50	12	12	62	25	78	225	42
041:	PHOTOSCHISTUS MINUTUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
042:	PHOTOSCHISTUS MICROPS	-	-	-	-	-	-	-	-	-	-	-	-	57	-	-	-	-
043:	PHOTOSCHISTUS PICTUS	-	-	-	-	-	-	-	-	4	145	28	27	192	8	-	86	24
044:	PHOTOSCHISTUS LOZANOI	36	1	387	-	122	93	9	16	206	88	19	1602	97	39	75	182	-
045:	PHOTOSCHISTUS NORVEGICUS	496	3	531	-	141	249	26	9	103	2811	702	2681	14632	398	348	869	636
046:	EUTRIGLA GURNARDUS	-	-	25	7	50	25	9	3	6	-	-	-	-	-	-	-	-
047:	TRIGLA LUCERNA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
051:	AGONUS CATAPHRACTUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
052:	LIPARIS LIPARIS	-	1	34	-	6	30	-	-	-	17	6	16	16	-	-	3	-
057:	ARNOGLOSUS LATERNA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
058:	SCOPHTHALMUS MAXIMUS	2	25	94	29	34	142	105	96	10	19	14	8	-	19	8	27	40
059:	SCOPHTHALMUS RHOMBUS	-	1	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
060:	HIPPOGLOSSOIDES PLATISSOIDES	15	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
061:	LIMANDA LIMANDA	31	92	162	163	212	1132	60	42	24	25	55	55	49	30	35	267	134
062:	PLATICTHYS FLESUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
063:	PLEURONECTES PLATESSA	-	14	-	-	6	15	3	-	-	12	75	71	15	65	22	7	6
065:	BUGLOSSIDIUM LUTEUM	-	1	922	546	883	2318	252	180	184	201	18	24	-	92	-	160	102
066:	SOLEA SOLEA	-	-	4	-	-	5	-	3	-	-	7	12	75	2	2	10	2

THE OCCURRENCE OF BENTHIC ORGANISMS AT DIFFERENT STATIONS IN NUMBERS CAUGHT PER 10.000 M2

NR:	SPECIES	210	211	212	213	214	215	216	217	219	220	221	222	223	224	225	226
004:	SPRATTUS SPRATTUS	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
005:	SARDINA FILCHARDUS	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
006:	ENGRAULIS ENGRASICOLUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
009:	ANGUILLA ANGUILLA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
010:	MERLANGIUS MERLANGUS	14	30	29	54	51	-	5	-	27	27	32	-	6	4	6	118
012:	TRISOPTERUS LUSCUS	-	12	12	10	16	-	-	-	-	10	7	16	-	-	4	115
013:	TRISOPTERUS MINUTUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
016:	GADUS MORHUA	-	1	-	-	-	3	-	-	-	-	-	-	-	-	2	-
020:	RHINONEMUS CIMBRIUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
023:	ENTELURUS AEGIOREUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
024:	SYNGNATHUS ACUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
025:	SYNGNATHUS ROSTELLATUS	10	2	-	-	-	-	-	-	-	3	5	1	24	3	-	8
026:	ATHERINA PRESBYTER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
028:	TRACHURUS TRACHURUS	2	4	-	-	-	-	-	34	21	-	-	-	-	13	2	8
029:	MULLUS SURMULETUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
030:	TRACHINUS VIPERA	25	14	-	5	154	1650	187	117	-	-	-	-	8	30	151	2
034:	HYPEROPLUS LANCEOLATUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
035:	AMMODYTES SPEC.	19	24	1	43	32	9	12	32	54	6	7	176	3	22	8	3
036:	CALLIONYMUS LYRA	48	36	17	15	38	13	5	16	105	8	32	48	123	91	30	88
037:	CALLIONYMUS RETICULATUS	12	10	-	-	-	-	-	10	27	44	22	20	160	54	95	38
040:	APHIA MINUTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
041:	PHOTOSCHISTUS MICROPS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
042:	PHOTOSCHISTUS PICTUS	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
043:	PHOTOSCHISTUS LOZANOI	4	44	12	14	3445	-	-	19	31	398	72	190	294	99	103	147
044:	PHOTOSCHISTUS MINUTUS	157	2	-	-	208	-	-	-	123	64	1805	596	865	896	99	69
045:	PHOTOSCHISTUS NORVEGICUS	-	-	-	-	-	-	-	-	888	7481	1557	2671	8624	954	2338	1447
046:	EUTRIGLA GURNARDUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
047:	TRIGLA LUCERNA	2	2	1	2	3	-	-	-	17	2	2	-	-	9	13	-
051:	AGONUS CATAPHRACTUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
052:	LIPARIS LIPARIS	2	2	37	14	19	-	-	-	-	-	-	-	-	-	-	-
057:	ARNOGLOSSUS LATERNA	34	9	9	6	13	8	2	37	-	-	-	2	40	9	30	15
058:	ISCOPHTHALMUS MAXIMUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
059:	ISCOPHTHALMUS RHOMBUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
060:	HIPPOGLOSSOIDES PLATISSOIDES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
061:	LIMANDA LIMANDA	6	9	8	12	3	35	21	16	146	20	29	128	84	137	27	46
062:	PLATICTHYS FLESIUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
063:	PLEURONECTES PLATESSA	4	2	2	2	3	9	7	16	41	1	4	168	54	108	69	68
065:	TRUGLOSSIDIUM LUTEUM	23	20	2	2	2	16	18	2	85	24	2	3	16	117	219	13
066:	SOLEA SOLEA	6	-	2	-	-	-	-	-	3	1	-	-	8	-	4	-

THE OCCURRENCE OF BENTHIC ORGANISMS AT DIFFERENT STATIONS IN NUMBERS CAUGHT PER 10,000 M²

NR.	SPECIES	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242
004	SPRATTUS SPRATTUS	18	-	-	2	2	5	18	100	180	180	37	4	-	-	-	-
005	SARDINA PILCHARDUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
006	ENGRAULIS ENGRASCOLUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
007	ANGUILLA ANGUILLA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
010	MERLANGIUS MERLANGUS	3	35	22	37	58	60	31	45	26	48	30	12	25	33	24	2
012	TRISOPTERUS LUSCUS	3	3	11	3	10	2	29	100	100	100	3	100	1	-	-	-
013	TRISOPTERUS MINUTUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
016	GADUS MORHUA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
020	RHINOMUS CIMBRIUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
023	REINERUS AEGUREUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
024	SYNGNATHUS ACUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
025	SYNGNATHUS ROSTELLATUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
026	ATHERINA PRESBYTER	8	8	2	-	-	-	10	3	12	-	-	-	-	-	-	-
028	TRACHURUS TRACHURUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
029	MULLUS SURMULETUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
030	TRACHINUS VIPERA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
034	HYPEROPLUS LANGOLATUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
035	AMMODYTES SPEC.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
036	CALLIONYCHUS LYRA	26	168	15	47	93	122	40	117	12	21	77	100	8	22	79	54
037	CALLIONYCHUS RETICULATUS	80	15	7	-	-	-	13	3	8	-	-	-	3	6	140	281
040	APHIA MINUTA	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
041	PHOTOSCHISTUS MICROPS	75	32	-	30	-	-	-	-	-	-	-	-	-	-	-	-
042	PHOTOSCHISTUS PICTUS	300	516	83	84	135	424	338	1280	738	801	306	287	20	9	20	207
043	PHOTOSCHISTUS LOZANCI	2052	2518	461	46	569	385	150	131	-	57	190	1519	86	-	109	544
044	PHOTOSCHISTUS MINUTUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
045	PHOTOSCHISTUS NORVEGICUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
046	TRIGLA GURNAKUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
047	TRIGLA LUCERNA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
051	AGONUS CATAPHRACTUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
052	LIPARIS LIPARIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
057	ARNOGLOSSUS LATERNUS	26	24	13	68	8	73	86	212	8	12	3	5	12	9	58	37
058	SCOPHTHALMUS MAXIMUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
059	SCOPHTHALMUS RHOMBUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
060	HIPPOGLOSSOIDES PLATESSOIDES	11	330	142	57	100	43	149	21	193	16	16	90	95	42	25	120
061	LIMANDA LIMANDA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
062	PLATICHTYS FLESCUS	3	34	14	2	-	-	-	-	-	-	-	-	-	-	-	-
063	PLEURONECTES PLATESSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
065	BUGLOSSIDIUM LUTEUM	470	832	250	73	87	45	278	179	8	41	55	175	201	15	48	39
066	SOLEA SOLEA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NR. SPECIES

THE OCCURRENCE OF BENTHIC ORGANISMS AT DIFFERENT STATIONS IN NUMBERS CAUGHT PER 10,000 M²

THE OCCURRENCE OF BENTHIC ORGANISMS AT DIFFERENT STATIONS IN NUMBERS CAUGHT PER 10,000 M2

NR:	SPECIES	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209
101:	PROCESSA EDULIS	39	117	32	6	-	-	-	-	-	-	-	-	-	-	-	-	-
102:	PANDALUS MONTAGUI	55	29	-	-	-	1550	21710	11160	112	1410	519	920	800	-	5	154	271
103:	PANDALINE BREVIROSTRIS	6	-	-	-	-	-	-	-	23	-	-	-	-	-	-	-	-
104:	HIPPOLYTE VARIANS	-	-	-	-	-	-	-	12	18	-	-	-	-	-	-	-	5
105:	PONTOPHILUS TRISPINOSUS	-	-	17	6	-	-	-	-	36	1500	1434	210	218	630	2630	1164	288
106:	PONTOPHILUS TRISPINOSUS	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
107:	CRANGON ALLMANI	1810	1560	276	56	70	5390	3310	2410	47	37	1142	1620	144	-	-	-	-
108:	CRANGON CRANGON	-	-	-	5	2	126	-	-	-	25	4570	45350	80000	456	90	25	28
109:	PAGURUS BERNHARDUS	85	669	563	106	583	478	260	75	165	76	300	528	291	14	18	136	170
110:	PORCELLANA LONGICORNIS	-	-	-	-	-	63	-	-	2	-	-	-	-	-	-	-	-
111:	CORYSTES CASSIDELAUNUS	8	-	4	2	-	39	9	9	2	-	-	-	-	-	-	-	-
112:	ATELECYCLUS ROTUNDATUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
113:	INACHUS TORSETTENSIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
114:	MACROPODIA ROSTRATA	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
115:	MACROPODIA TENUIROSTRIS	3	4	2	-	6	-	-	-	38	25	-	71	-	5	-	204	28
116:	MACROPODIA TENUIROSTRIS	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
117:	MACROPODIA TENUIROSTRIS	-	29	4	-	2	63	-	-	-	-	-	-	-	-	-	-	-
118:	HYAS COARCTATUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
119:	MACROPTIPUS ARCATUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
120:	MACROPTIPUS PUSILLUS	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-
121:	MACROPTIPUS DEFURATOR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
122:	MACROPTIPUS DEFURATOR	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
123:	MACROPTIPUS HOLSATIUS	73	413	452	37	122	1493	343	109	294	140	1206	1860	3276	18	220	470	295
124:	MACROPTIPUS HARROREUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
125:	CARCINUS MAENAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
126:	CARCINUS MAENAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
127:	CANCER PAGURUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
128:	FINNOTHERES FISUM	-	1	2	-	-	-	3	-	-	-	-	39	3	-	2	-	8
129:	PILUMNUS HIRTELLUS	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
130:	THIA SCUTELLATA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
131:	THIA SCUTELLATA	-	-	-	-	-	-	-	-	13	-	-	-	-	-	-	-	-
132:	EBALIA TUBEROSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
133:	EBALIA TUBEROSA	-	-	-	-	-	-	-	-	14	-	-	-	-	-	-	-	-
134:	EBALIA TUMEFACIA	-	-	31	2	6	-	-	-	3	-	-	-	-	-	-	-	-
135:	NEPHROPUS NORVEGICUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
201:	ASTERIAS RUBENS	14	412	567	59	579	1654	766	342	674	1681	2497	45223	31	189	65	20	12
202:	ASTROPECTEN IRREGULARIS	-	43	63	3	67	190	438	290	13	216	-	-	-	-	-	10	6
203:	LIVIDIA SARSI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
204:	PSAMMECHINUS MILIARIS	-	59	27	3	-	542	686	121	51	25	-	-	-	-	-	-	-
206:	SPATANGUS PURPUREUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
207:	ECHINOCARDIUM CORIATUM	391	-	13	-	-	-	4650	3676	-	-	-	71	-	-	-	-	-
208:	ECHINOCARDIUM FLAVESCENS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
210:	OPHIOTRIX FRAGILIS	-	88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
211:	AMPHIURA FILIFORMIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
212:	OPHIURA ALBIDA	3	2558	333	29	49	34	-	542	2277	25	-	71	-	-	-	-	-
213:	OPHIURA TEXTURATA	-	-	-	5	153	6154	-	241	1094	25	83	-	-	-	-	51	73
214:	OPHIURA AFFINIS	-	-	-	-	-	-	-	-	-	-	-	-	-	10	18	13	36

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THE OCCURRENCE OF BENTHIC ORGANISMS AT DIFFERENT STATIONS IN NUMBERS CAUGHT PER 10,000 M²

[illegible]

THE OCCURRENCE OF BENTHIC ORGANISMS AT DIFFERENT STATIONS IN NUMBERS CAUGHT PER 10.000 M2

NR:	SPECIES	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242
101:	PROCESSA EDULIS	-	780	500	836	122	18	2	-	17	-	2	58	8	-	-	-
102:	PANDALUS MONTAGUI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
103:	PANDALINE BREVIROSTRIS	-	357	-	-	-	18	-	-	68	28	-	21	3	-	-	-
104:	HIPPOLYTE VARIANS	-	65	3	-	12	18	-	5	34	-	-	9	-	39	-	-
105:	PONTOPHILUS TRISPINOSUS	-	610	-	-	230	130	75	182	240	57	69	305	234	437	176	967
106:	PONTOPHILUS BISPINOSUS	-	81	3	-	-	-	-	-	-	-	-	-	-	-	-	-
107:	CRANGON ALLMANI	-	2470	740	141	2990	510	130	346	2090	200	13	415	6	7	-	8
108:	CRANGON CRANGON	19780	46	7	-	-	18	2	5	-	-	-	-	-	-	-	800
109:	PAGURUS BERNHARDUS	2967	106	239	51	106	286	190	151	877	393	162	222	28	100	197	130
110:	PORCELLANA LONGICORNIS	-	-	47	8	12	-	-	3	-	-	-	-	-	-	-	-
111:	CORYSTES CASSIVELAUNUS	-	-	4	2	20	5	-	-	-	-	3	-	-	-	-	-
114:	ATELECYCLUS ROTUNDATUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
115:	INACHUS DORSEITENSIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
116:	MACROPODIA ROSTRATA	-	485	169	25	18	73	23	18	-	-	3	22	16	29	160	35
117:	MACROPODIA TENUIROSTRIS	-	-	50	-	12	26	3	3	-	-	-	-	4	-	-	-
118:	HYAS COARCTATUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
120:	MACROPIDIPUS ARCUATUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
121:	MACROPIDIPUS FUSILLUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
122:	MACROPIDIPUS DEFURATOR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
123:	MACROPIDIPUS HOLSATUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
124:	MACROPIDIPUS MARMOREUS	4949	3508	2248	154	562	388	53	246	125	137	23	296	74	61	117	86
126:	CARCINUS MAENAS	-	-	-	-	-	-	3	-	-	-	1	-	-	-	-	-
127:	CANCER PAGURUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
128:	PINOTHERES FISUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
129:	PILUNUS HIRTELLUS	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
131:	THIA SCUTELLATA	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
132:	EBALIA TUBEROSA	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-
133:	EBALIA TUMEFACIA	-	-	36	-	-	-	-	-	-	-	-	-	-	-	-	-
134:	EBALIA CRANCHII	-	-	83	-	-	-	-	5	34	8	-	-	-	-	-	-
135:	NEPHROS NORVEGICUS	-	-	-	-	-	-	3	-	-	-	-	-	-	-	20	-
201:	ASTERIAS RUBENS	3559	60	113	115	306	1729	28	49	30	63	72	104	41	383	3591	1875
202:	ASTROPECTEN IRREGULARIS	-	232	261	151	116	58	10	3	42	36	17	18	3	86	137	17
203:	LUIDIA SARSI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
204:	SAMMECHINUS MILIARIS	-	-	-	-	-	-	-	-	-	-	13	4	3	-	-	-
206:	SPATANGUS PURPUREUS	-	-	-	-	-	-	-	-	-	-	5	4	-	-	-	-
207:	ECHINOCARDIUM CORDATUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208:	ECHINOCARDIUM FLAVESCENS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
210:	OPHOTRIX FRAGILIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
211:	AMPHIURA FILIFORMIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
212:	OPHIURA ALBIDA	-	26	-	100	-	-	-	-	-	-	-	-	-	-	-	-
213:	OPHIURA TEXTURATA	-	-	-	4449	747	1027	5	269	218	74	21	-	793	659	332	-
214:	OPHIURA AFFINIS	-	433	153	42	1030	1687	383	172	-	48	3	47	207	129	723	17

THE OCCURRENCE OF BENTHIC ORGANISMS AT DIFFERENT STATIONS IN NUMBERS CAUGHT PER 10,000 M2

NR:	SPECIES	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192
302	NUCULA NUCULUS	-	-	-	-	-	184	-	10	-	3	-	-	-	-	-	-	-	3
308	CHLAMYA OPERCULARIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
318	CYPRINA ISLANDICA	-	-	-	-	-	34	6	-	-	-	-	-	-	-	-	-	-	-
323	CARDIUM ECHINATUM	-	-	-	-	-	42	6	10	-	3	-	-	-	-	-	-	-	5
325	VENUS STRIATULA	-	-	-	-	-	368	199	21	165	-	-	-	-	-	-	-	-	-
327	SPISULA SUBTRUNCATA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	SPISULA ELLIPTICA	329	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
331	MACRA CORALLINA	13	-	-	-	40	-	-	5	-	-	-	-	-	-	-	-	-	-
332	IONAX VITTATUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
335	MACOMA BALTHICA	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
336	ANGULUS TENUIS	13	-	-	-	-	-	-	-	7	-	-	-	-	-	-	-	-	-
338	CULTELLUS FELLUCIUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
340	ENSIS PHOXIDIS	-	-	-	-	-	-	-	16	-	-	-	-	-	-	-	-	-	-
345	CORPULA GIBBA	-	-	-	-	-	29446	1832	9	-	7	-	-	-	-	-	-	-	-
347	TURRITELLA COMMUNIS	-	-	-	-	-	-	-	10	-	-	-	-	115	-	-	82	1	-
352	AFORRHAIUS FESFELICANI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	-	-
353	NATICA CATENA	-	-	-	-	20	-	-	5	14	3	-	-	-	-	-	-	-	-
354	NATICA FOLIANUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
357	NEPTUNEA ANTIQUA	-	-	-	-	2	-	10	14	2	12	28	15	12	4	-	-	52	-
358	BUCCINUM UNDATUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
402	SEPIOLA ATLANTICA	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
404	ALLOTEUTHIS SUBULATA	-	113	26	56	20	33	263	118	24	24	71	200	372	-	124	224	619	-
501	PECTINARIA SPEC.	10665	490	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
502	APHRODITE ACULEATA	-	-	-	-	-	197	132	28	15	20	25	18	-	2	-	-	-	-

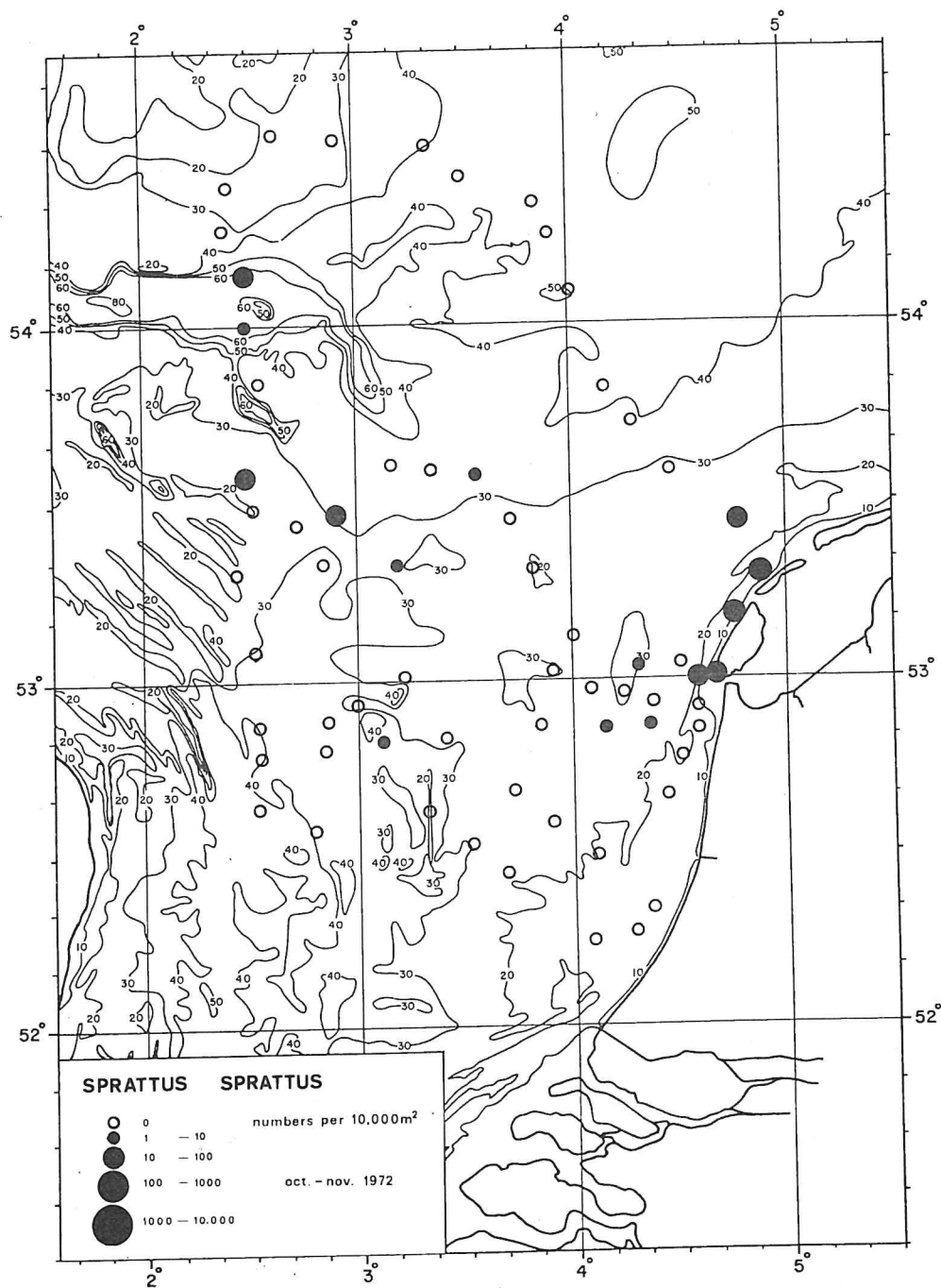
THE OCCURRENCE OF BENTHIC ORGANISMS AT DIFFERENT STATIONS IN NUMBERS CAUGHT PER 10.000 M²

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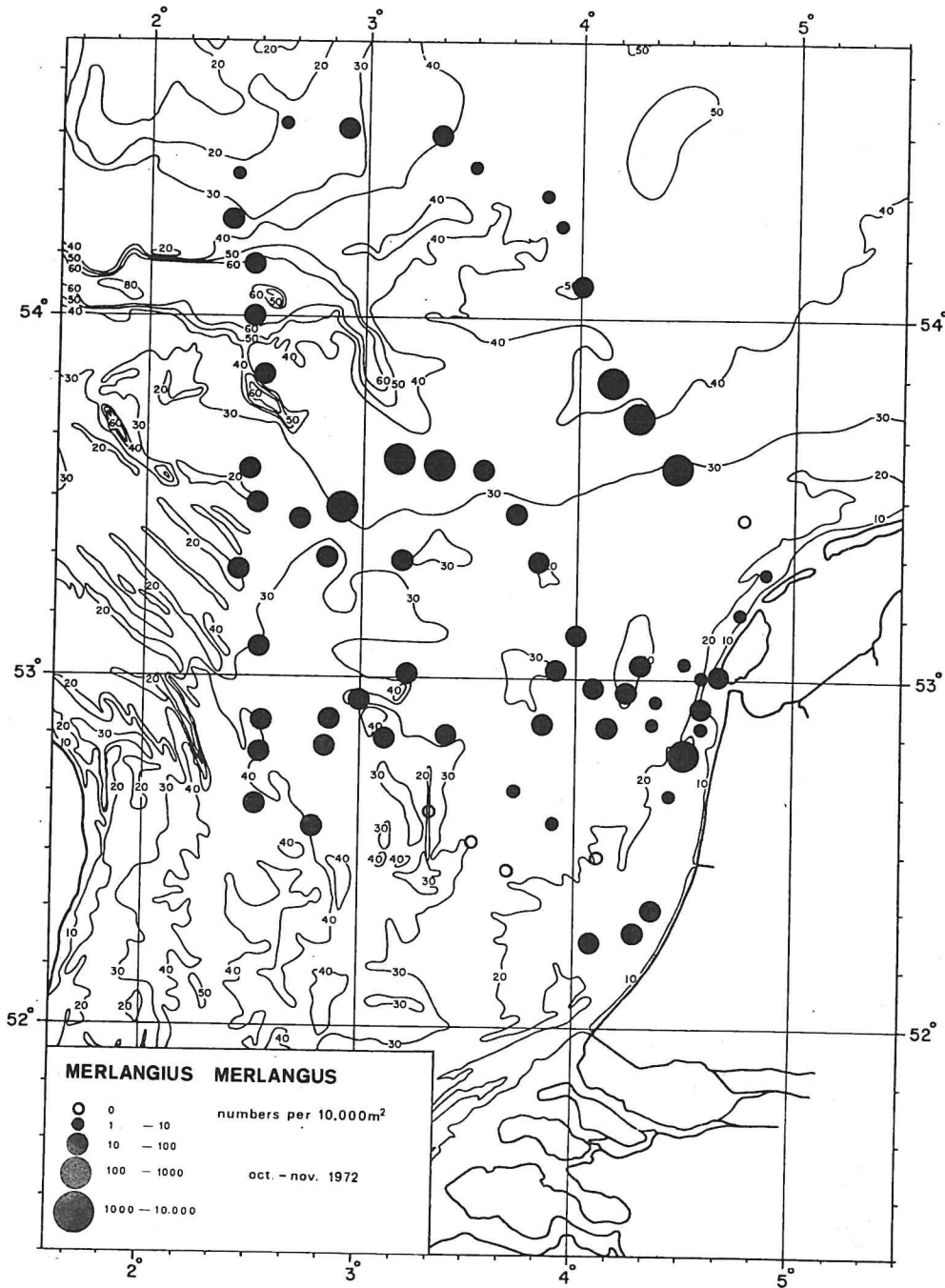
THE OCCURRENCE OF BENTHIC ORGANISMS AT DIFFERENT STATIONS IN NUMBERS CAUGHT PER 10.000 M²

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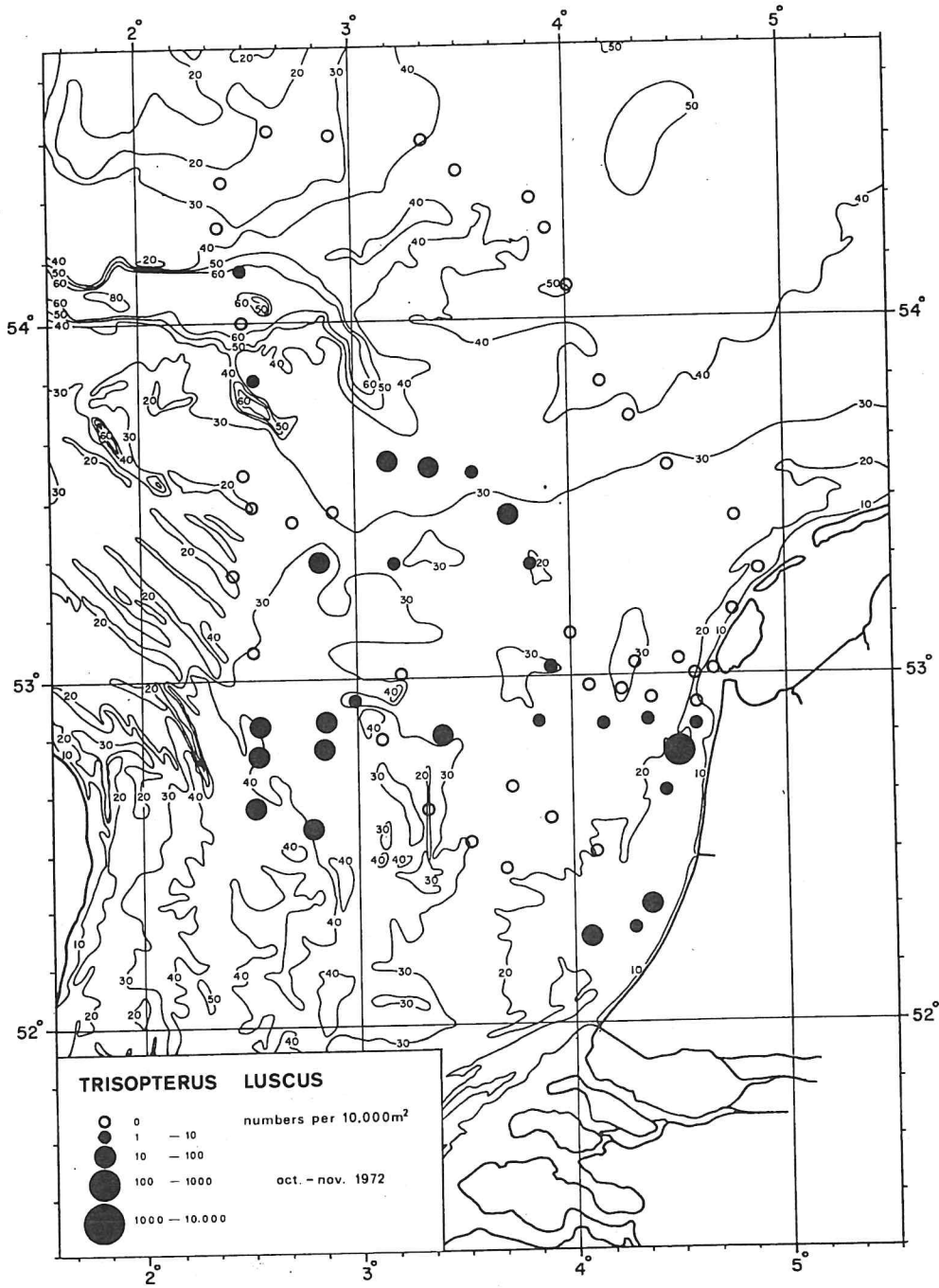
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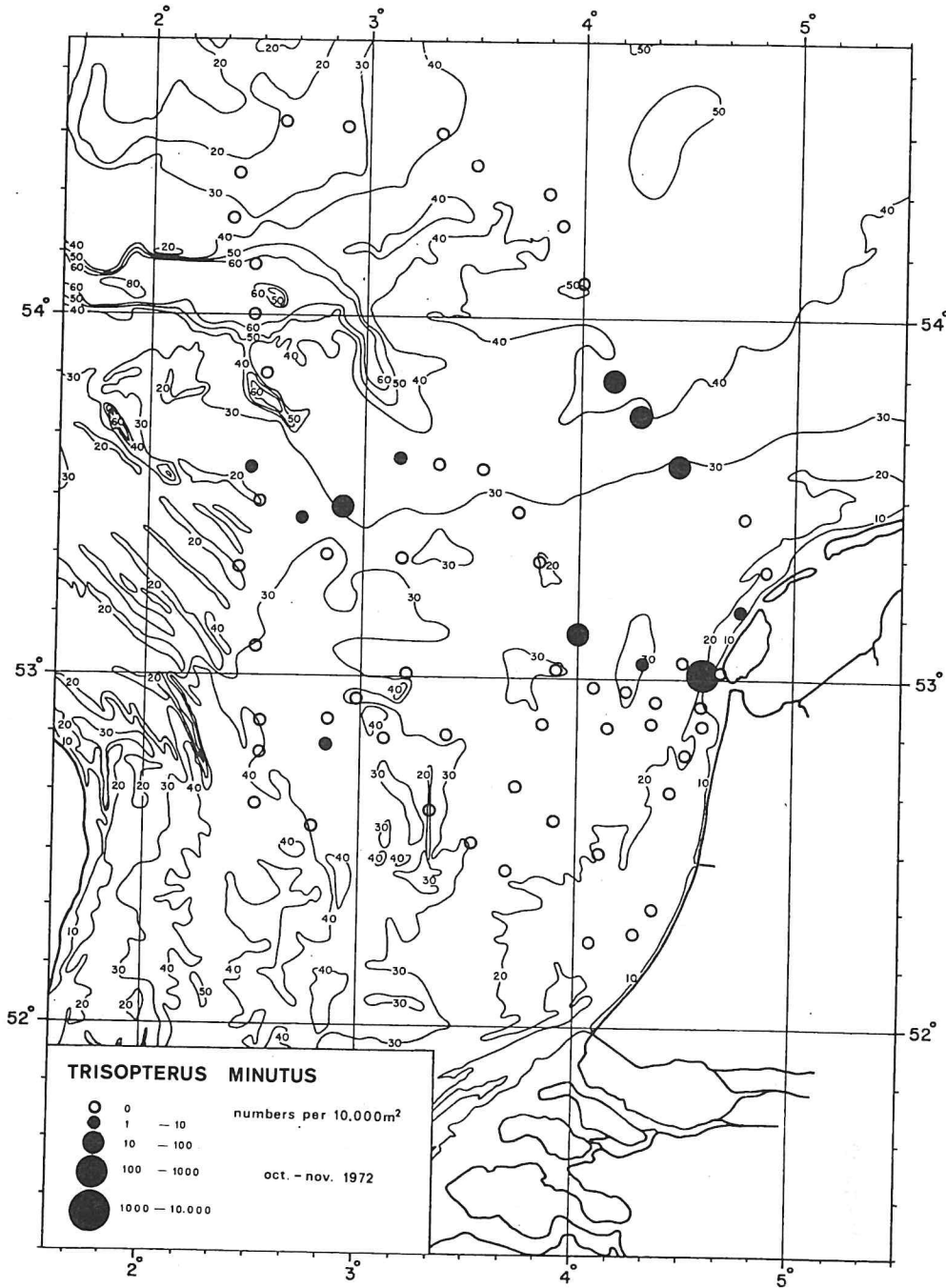
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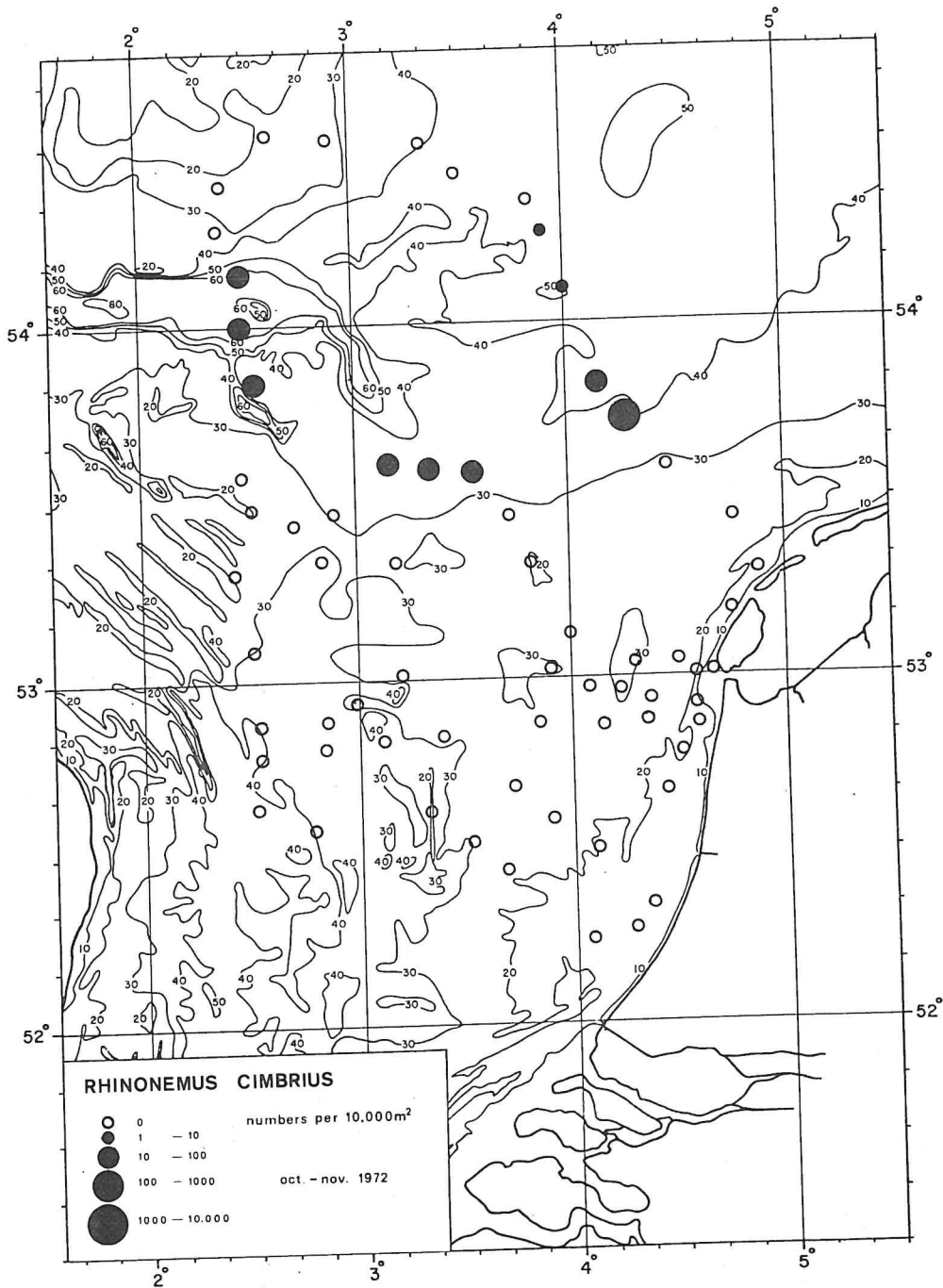
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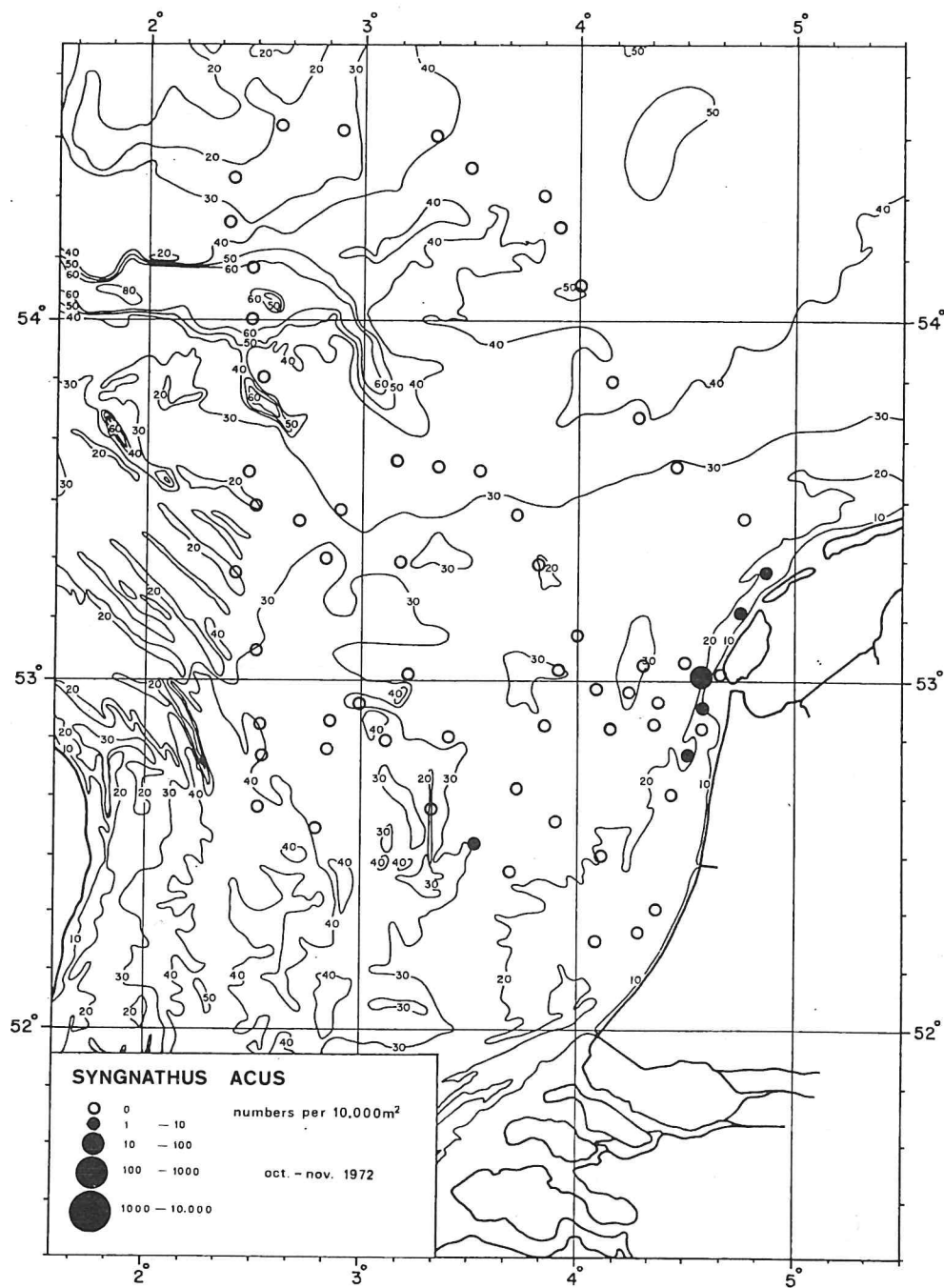
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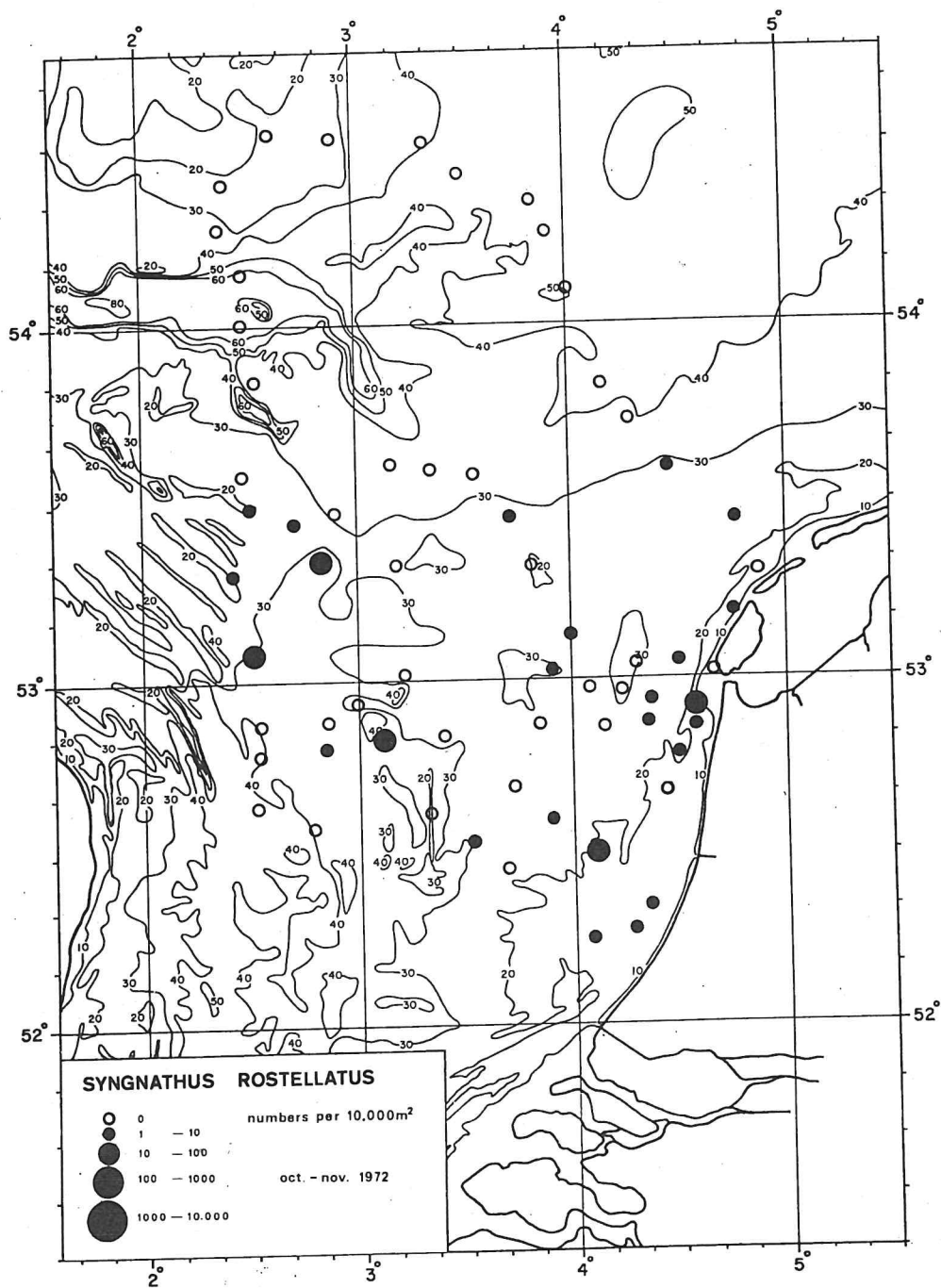
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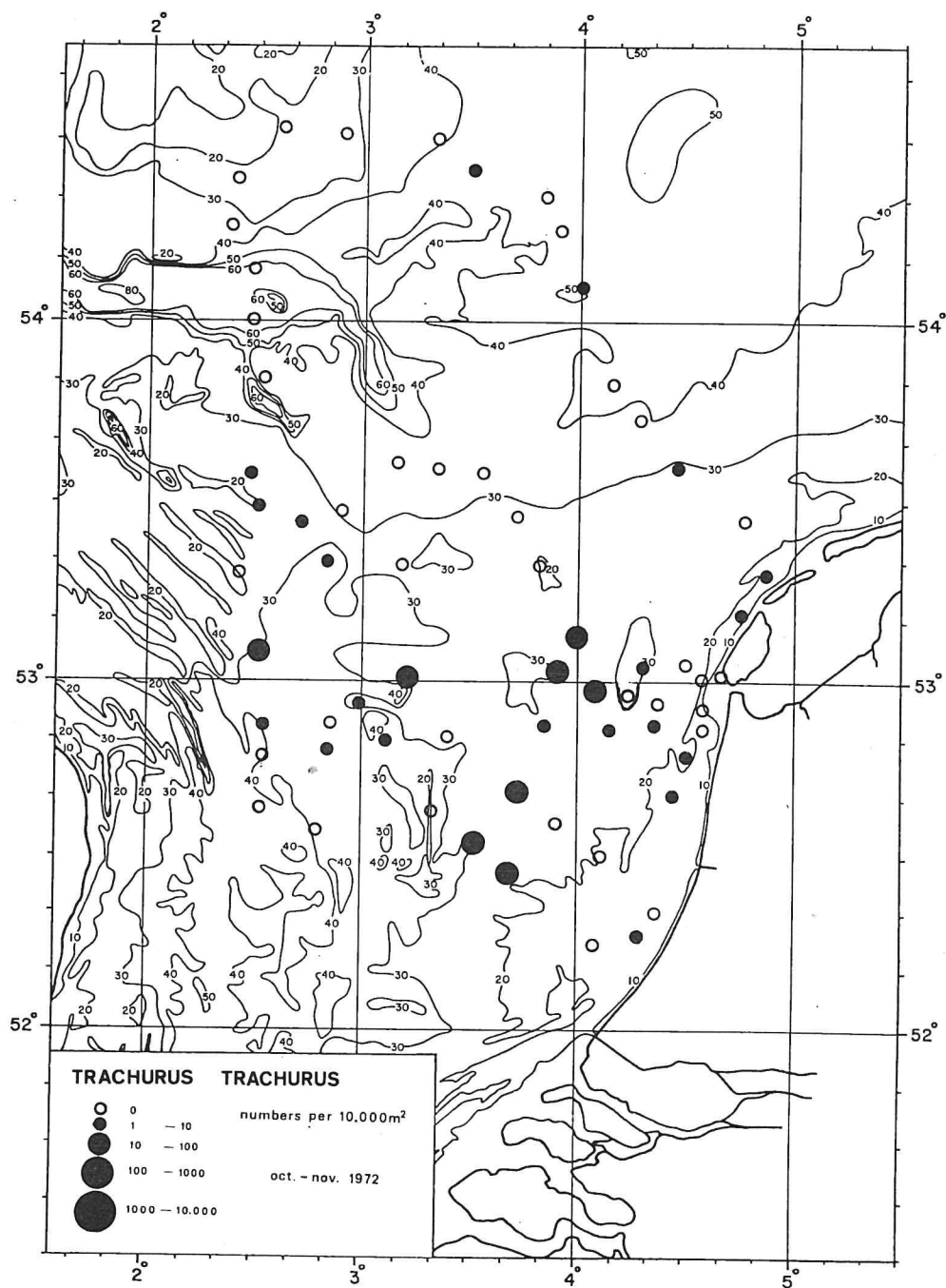
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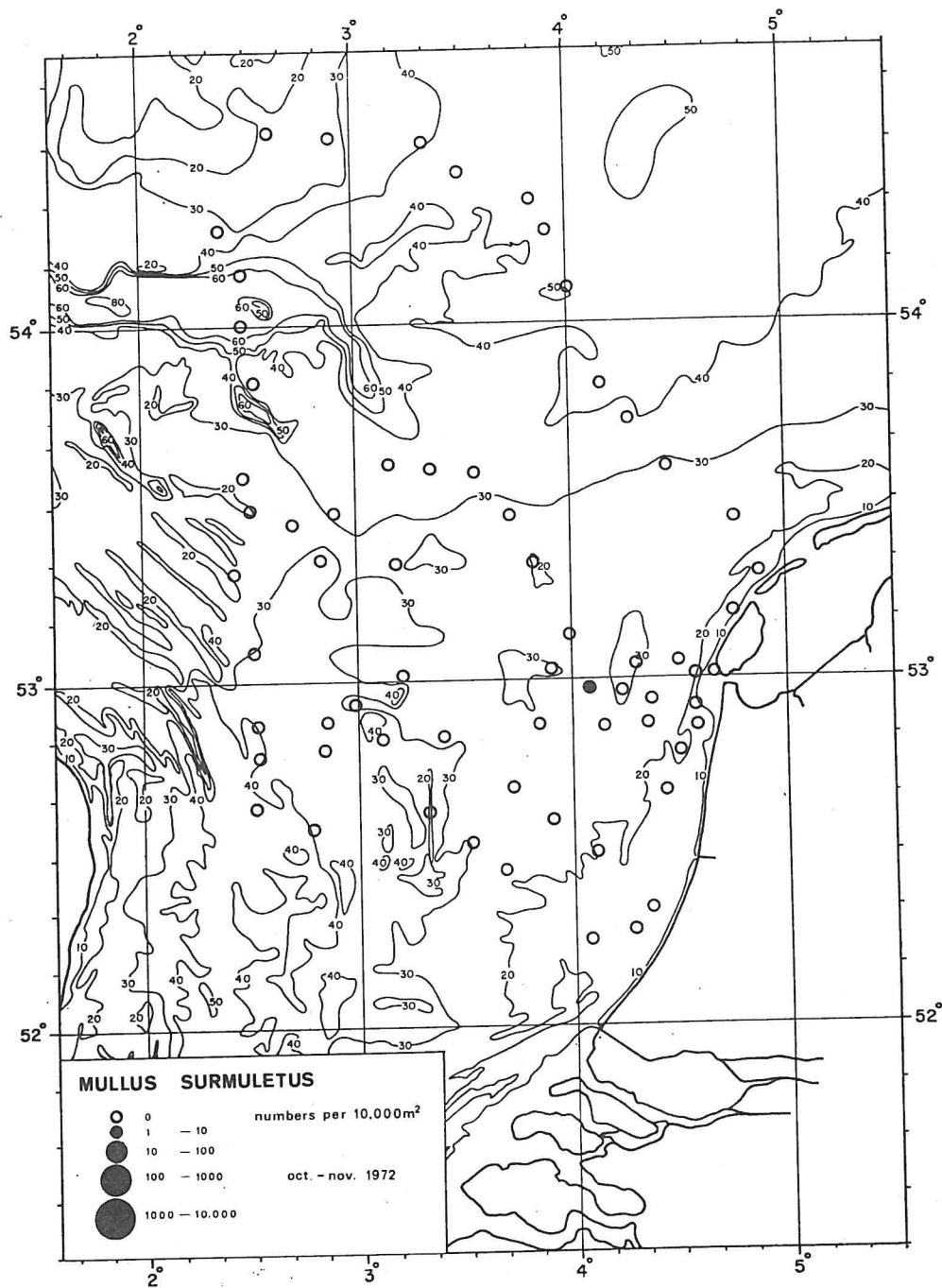
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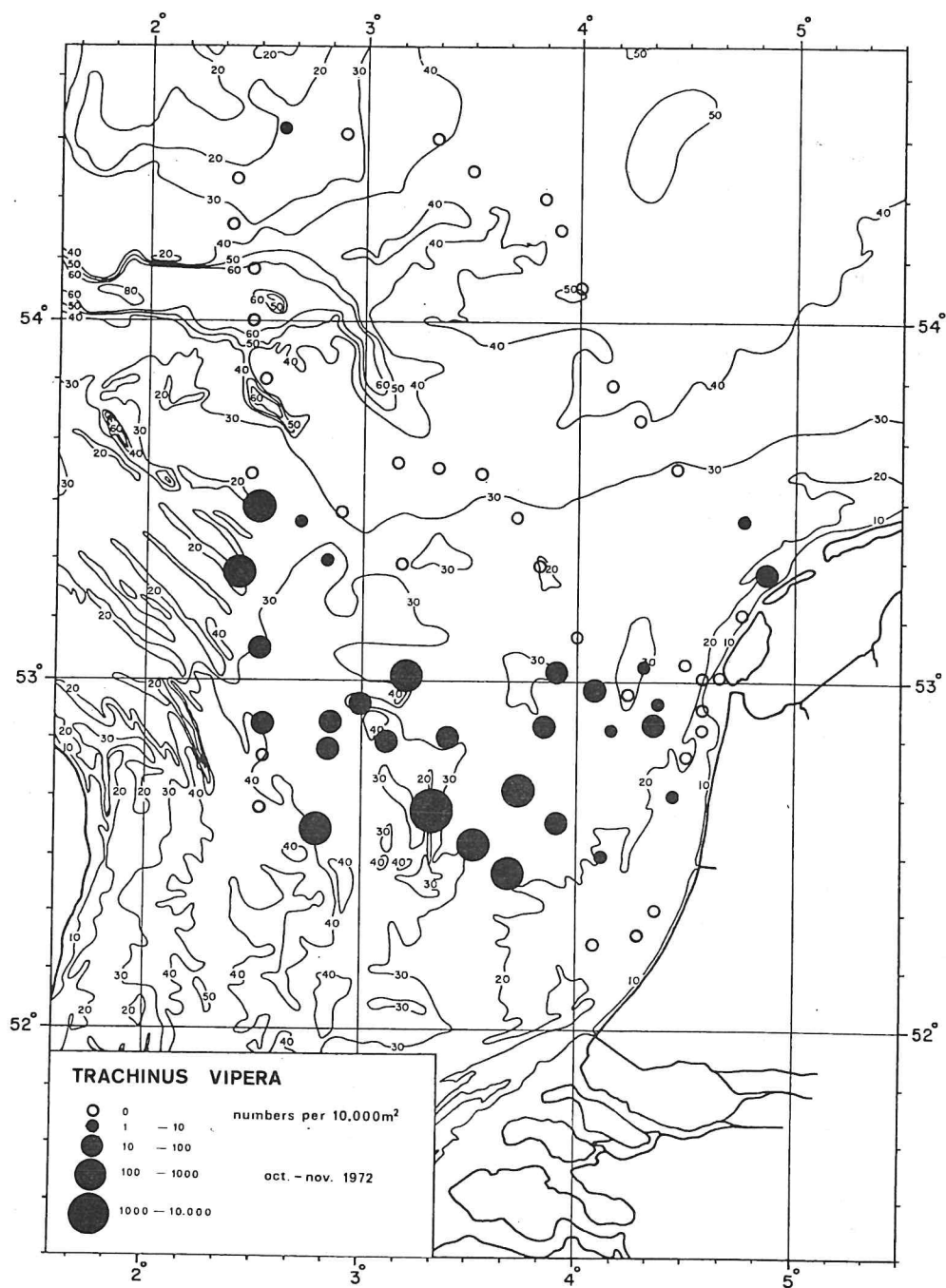
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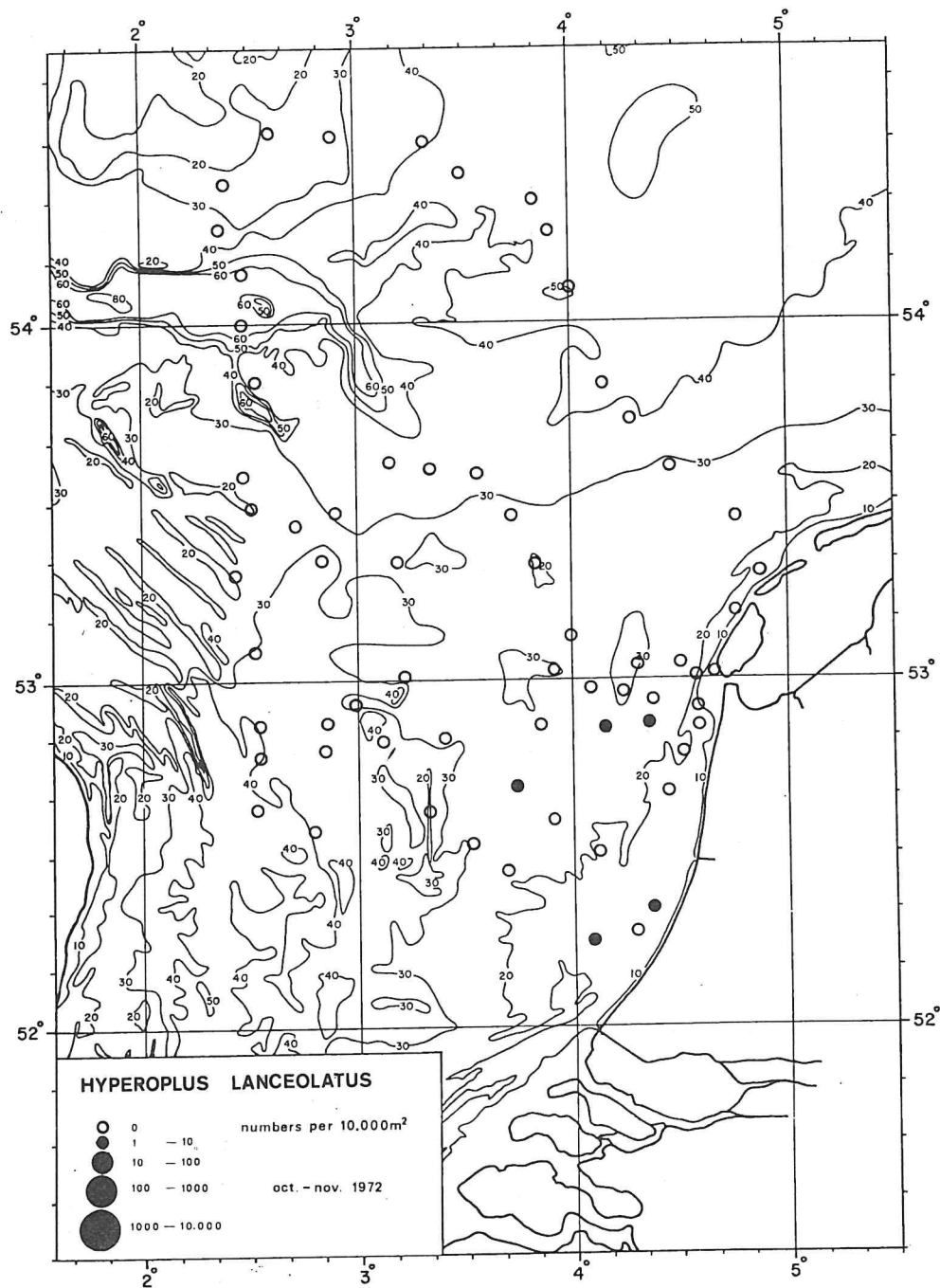
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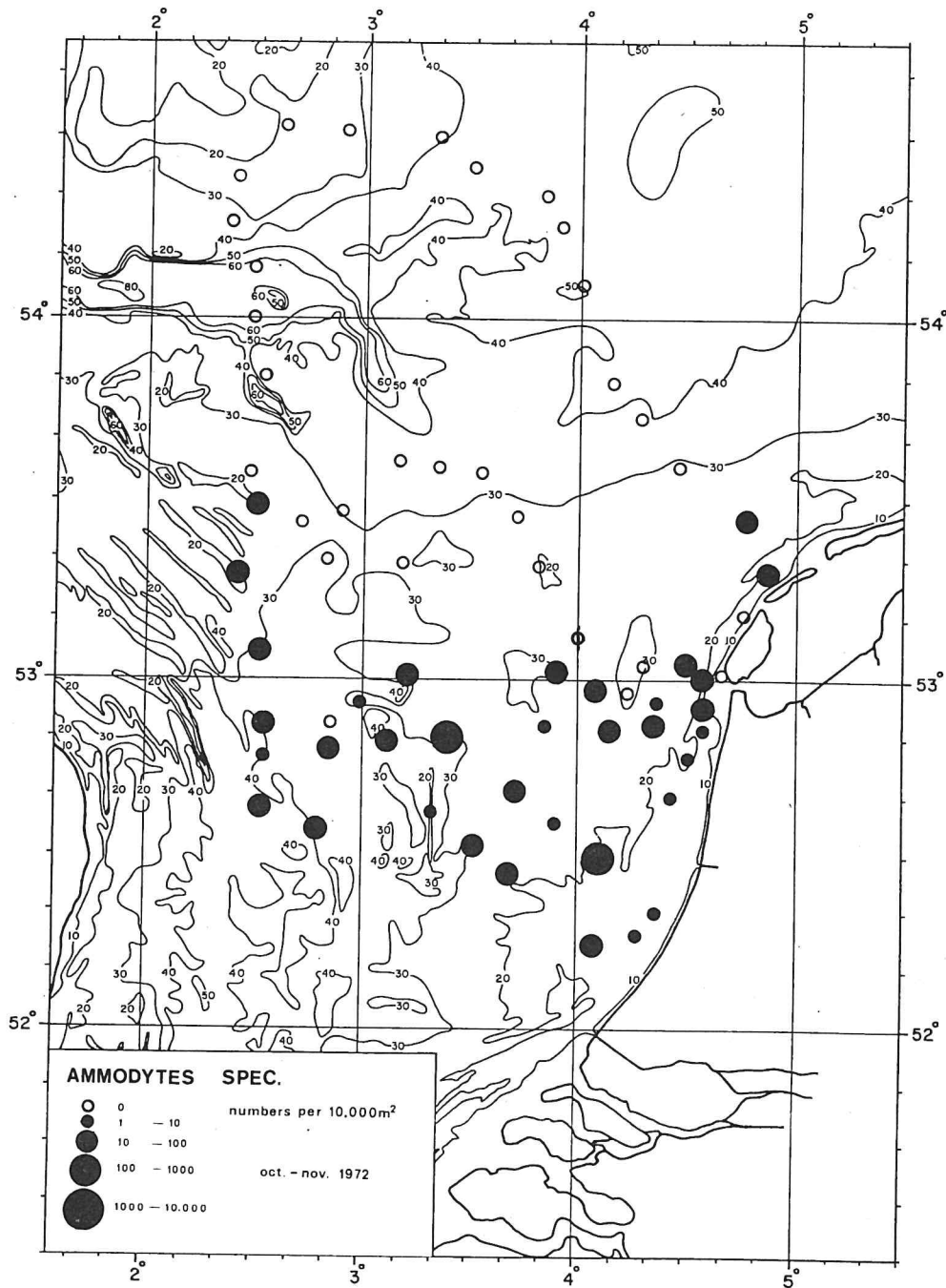
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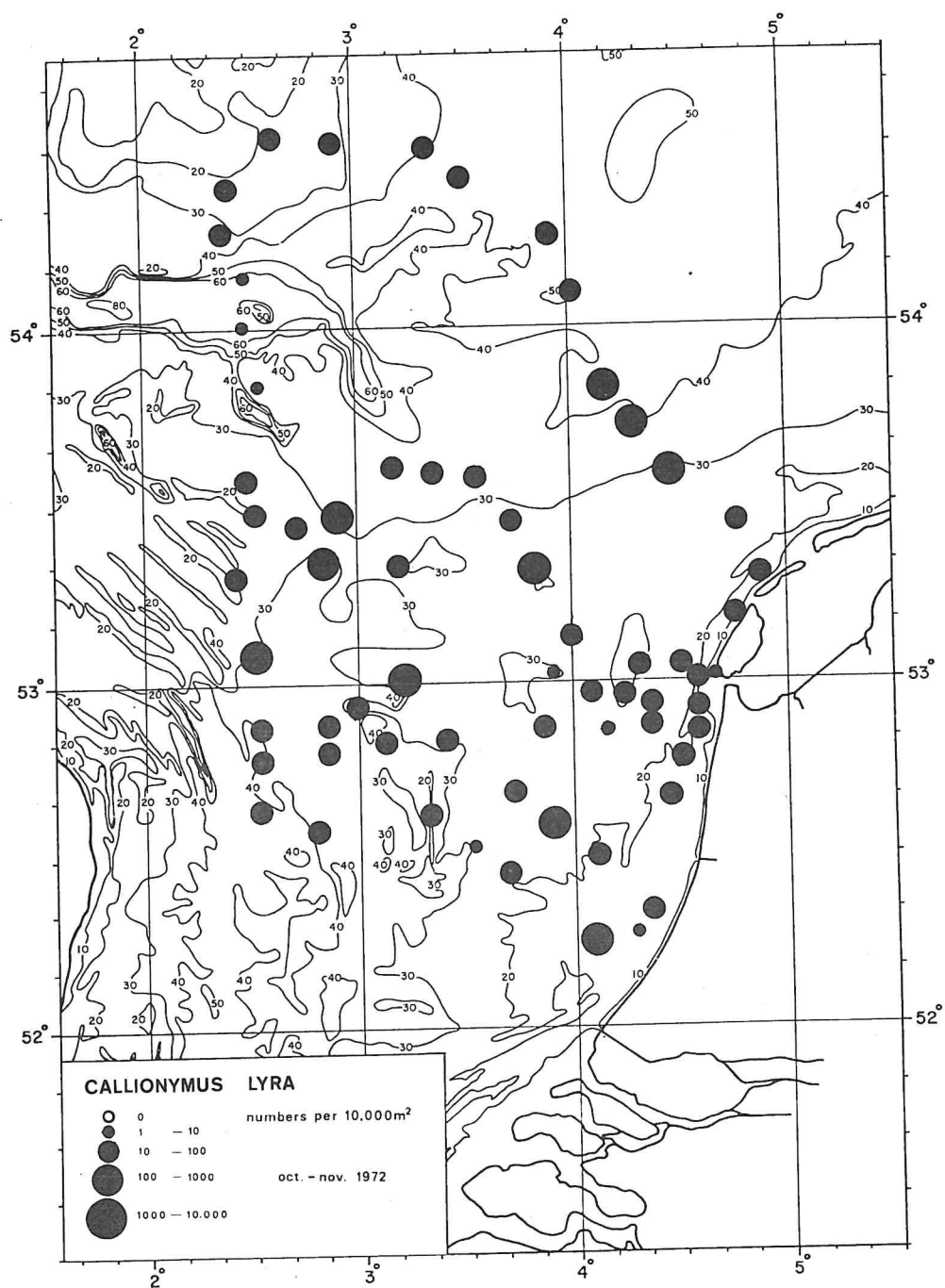
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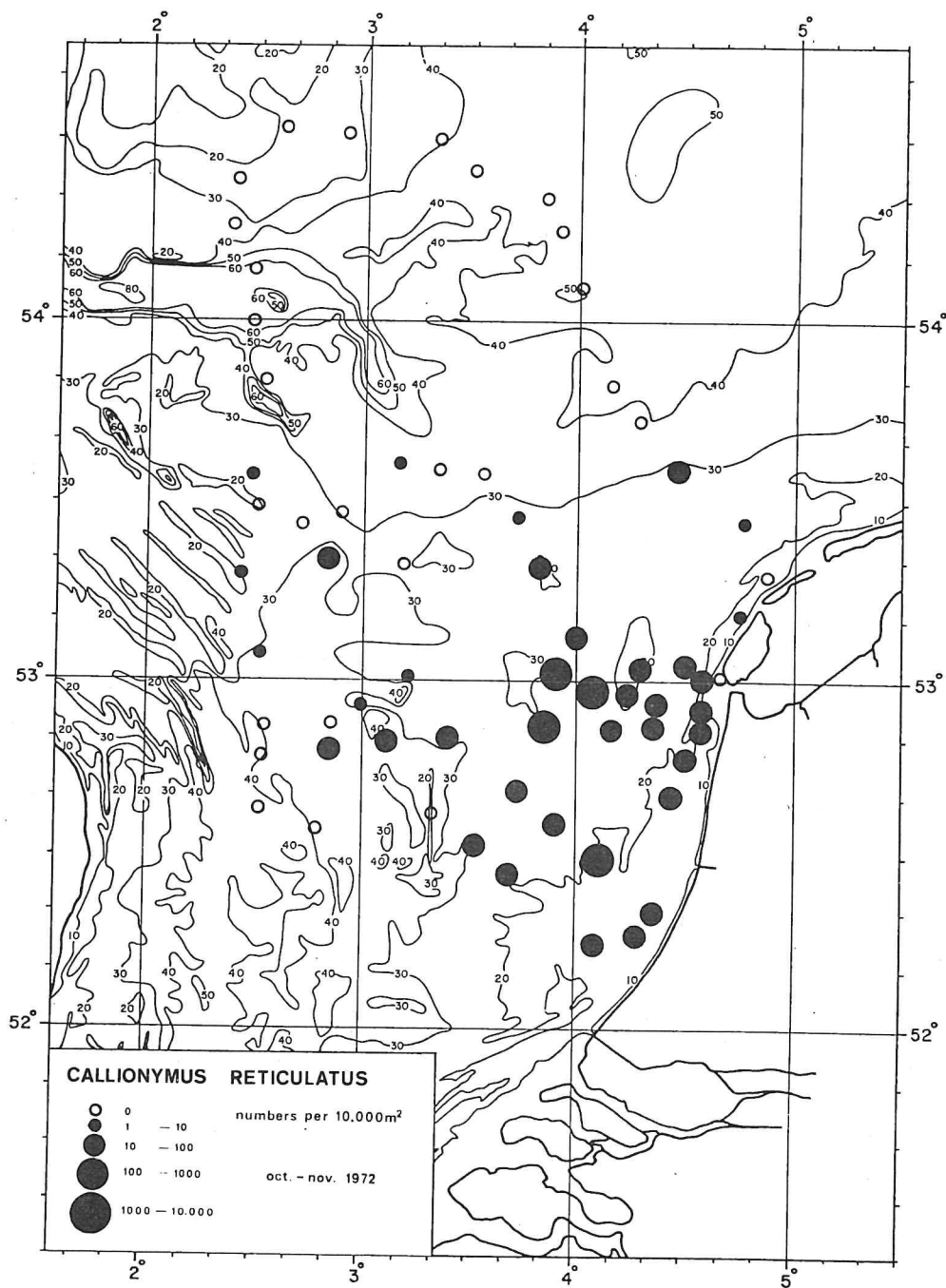


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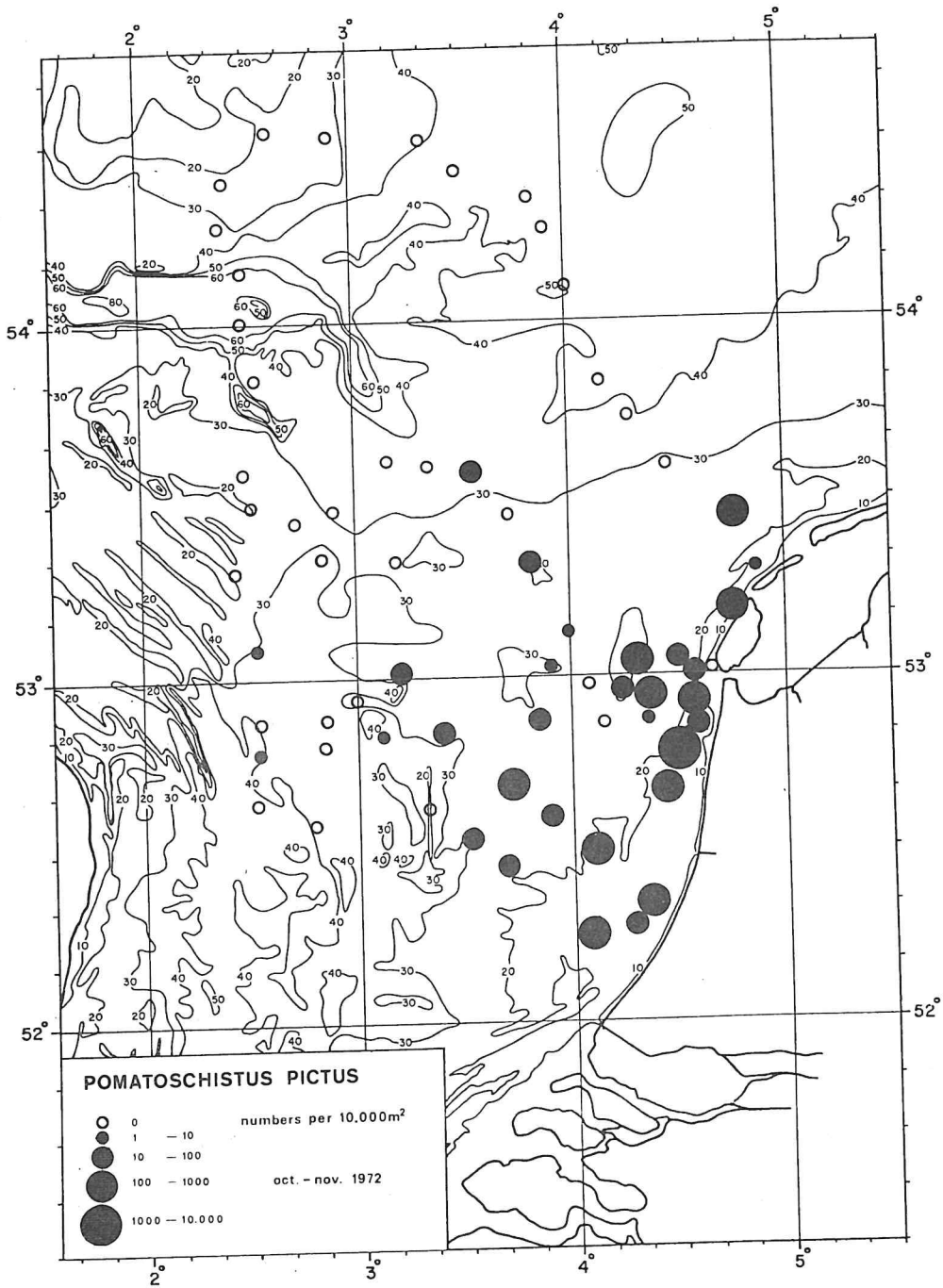


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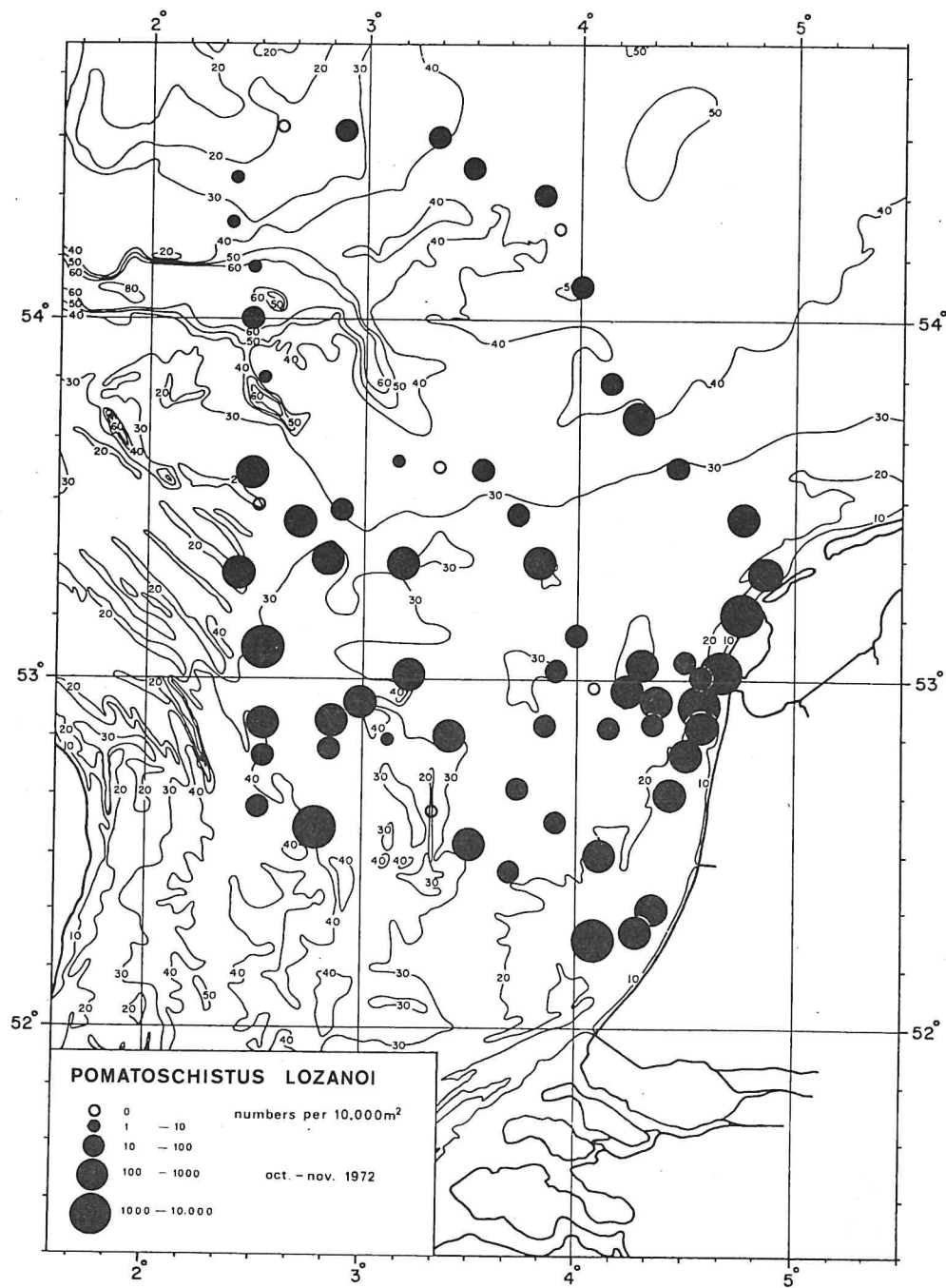




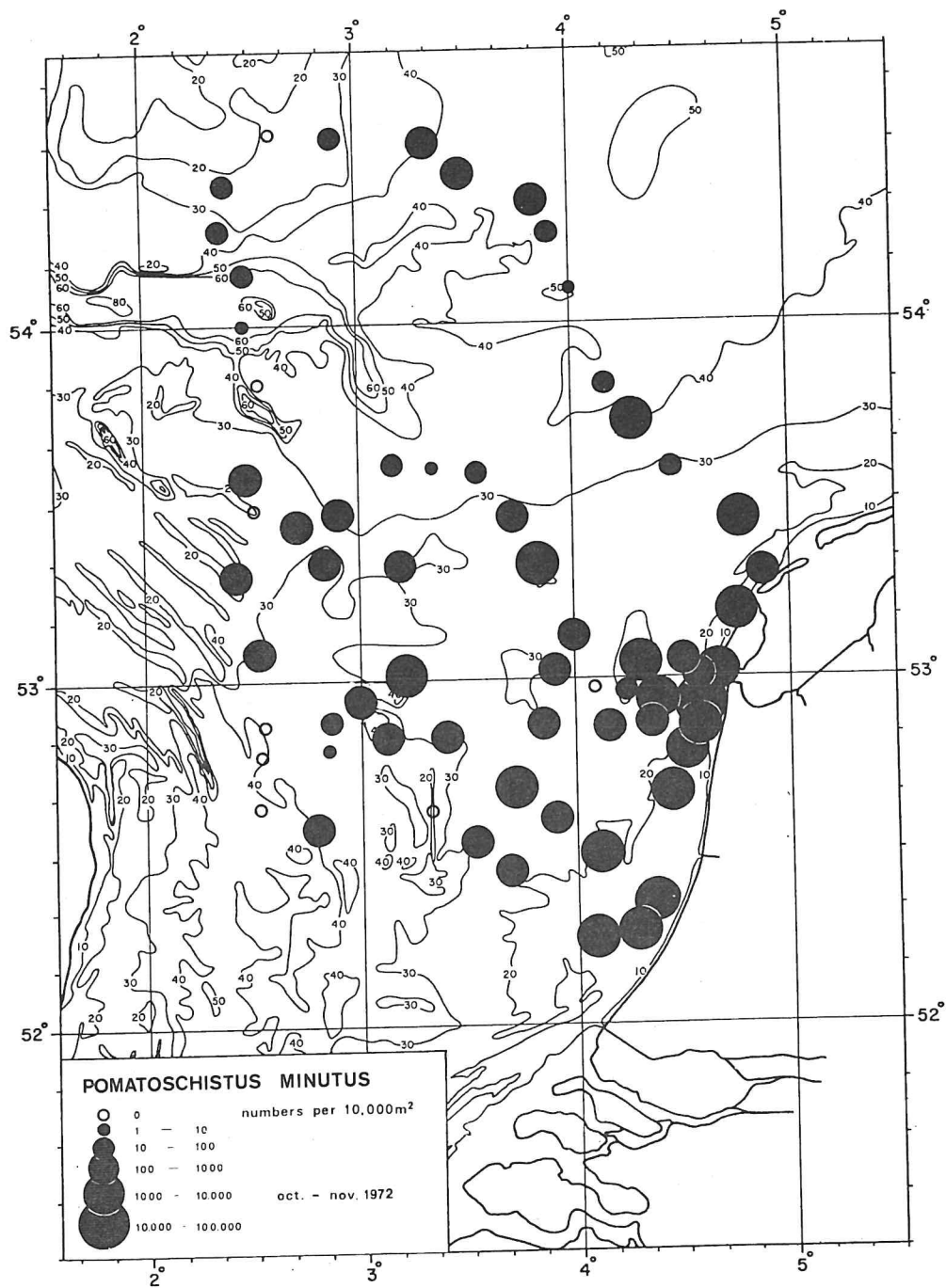
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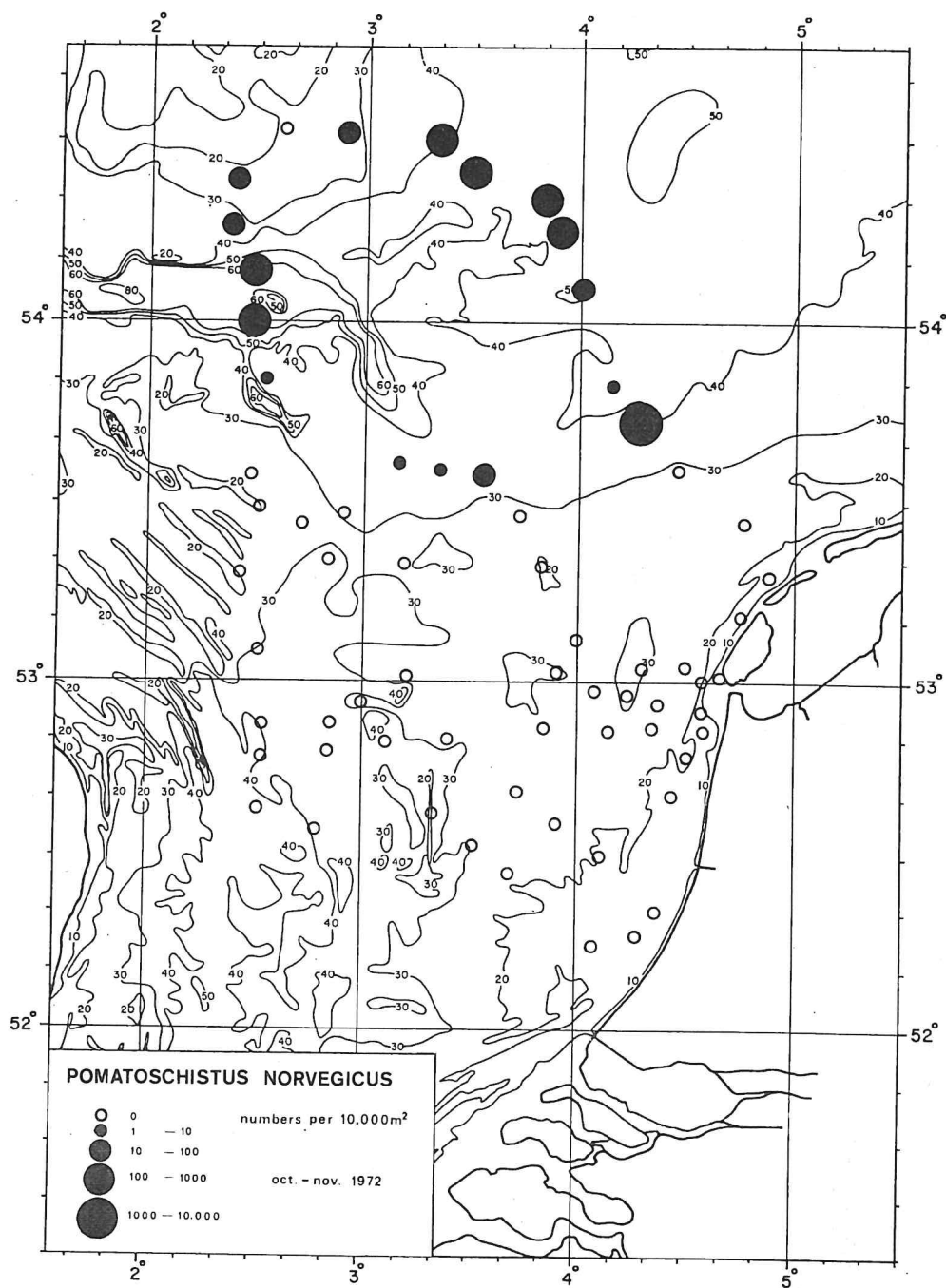
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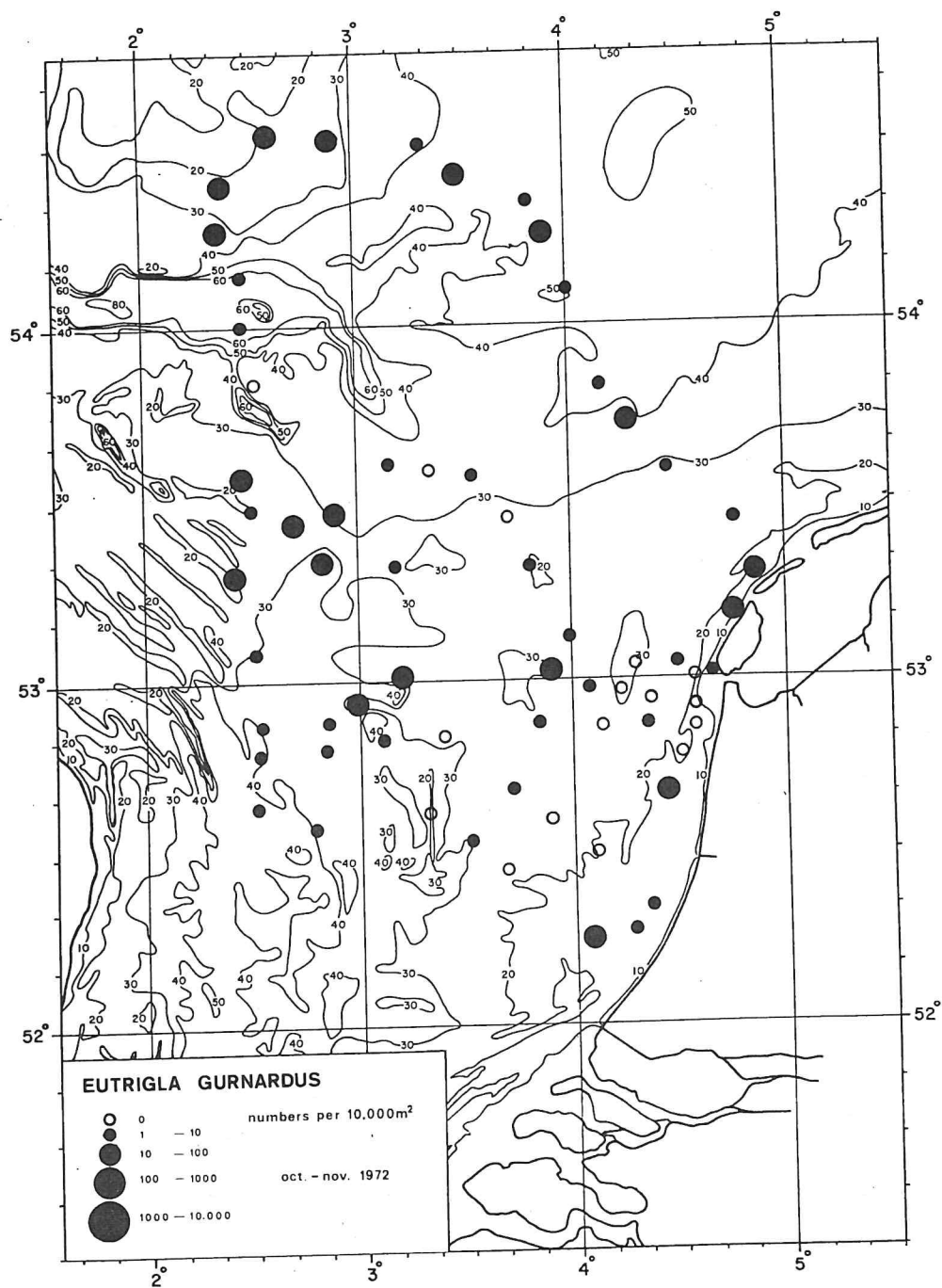


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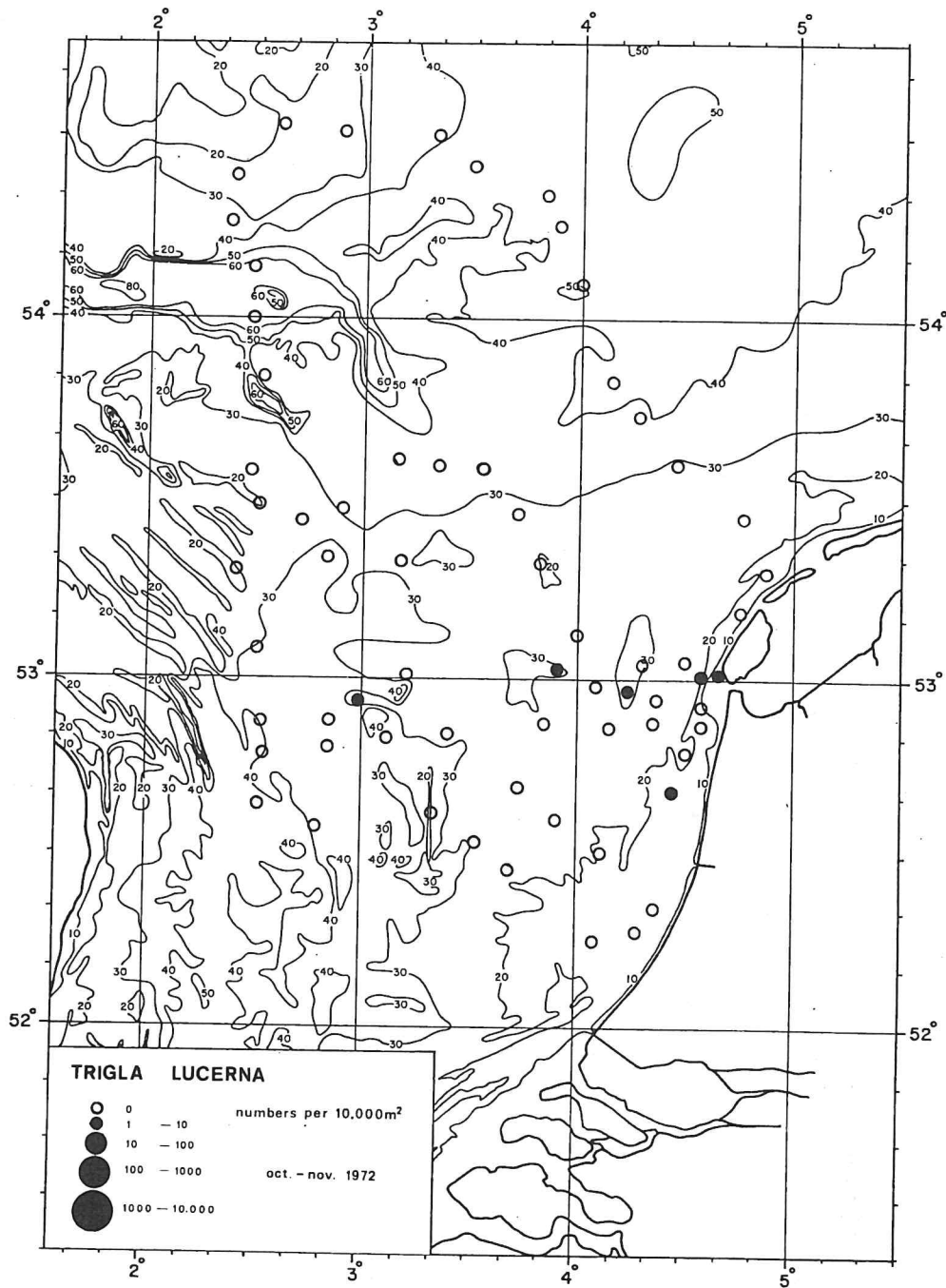


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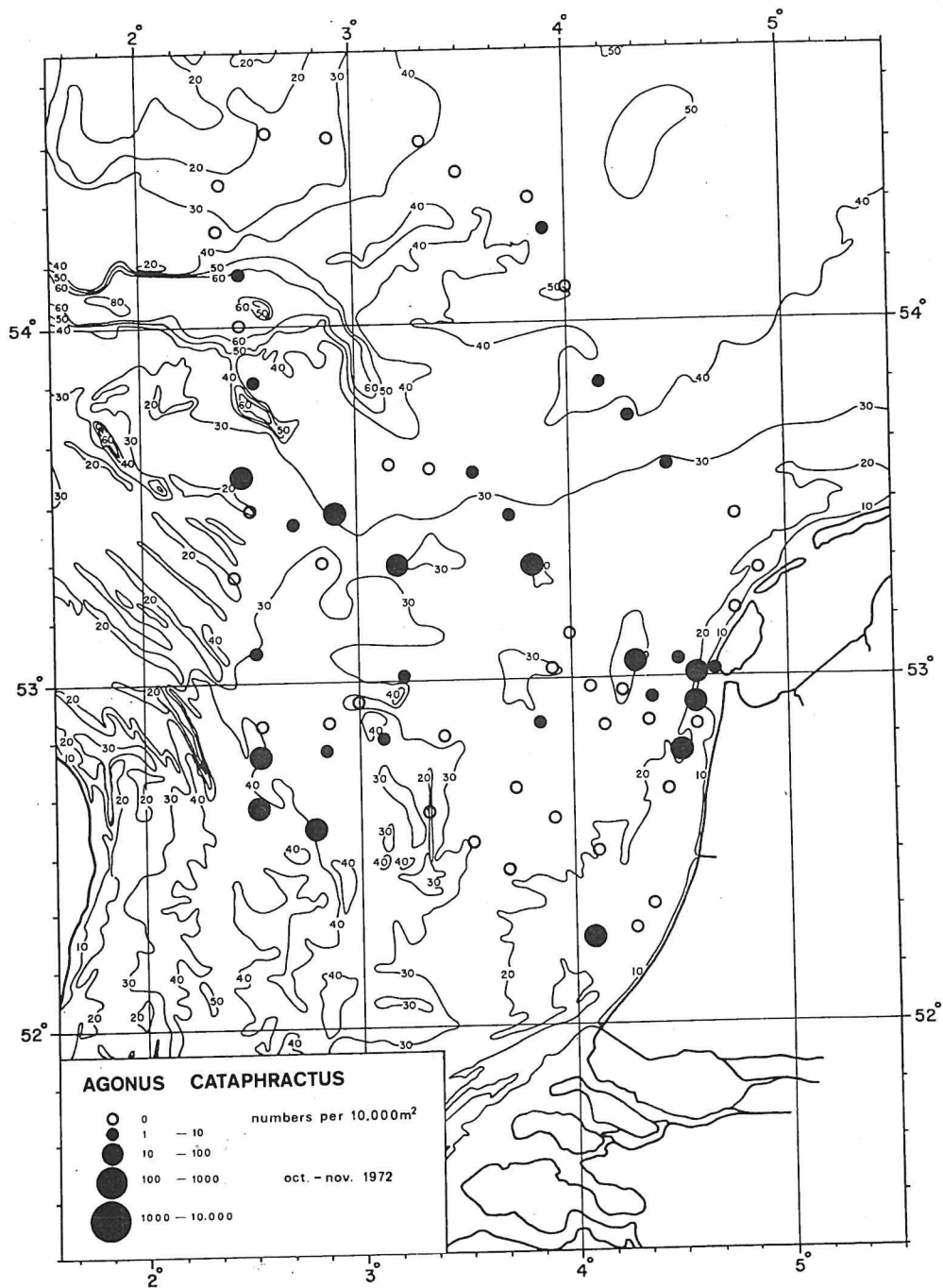




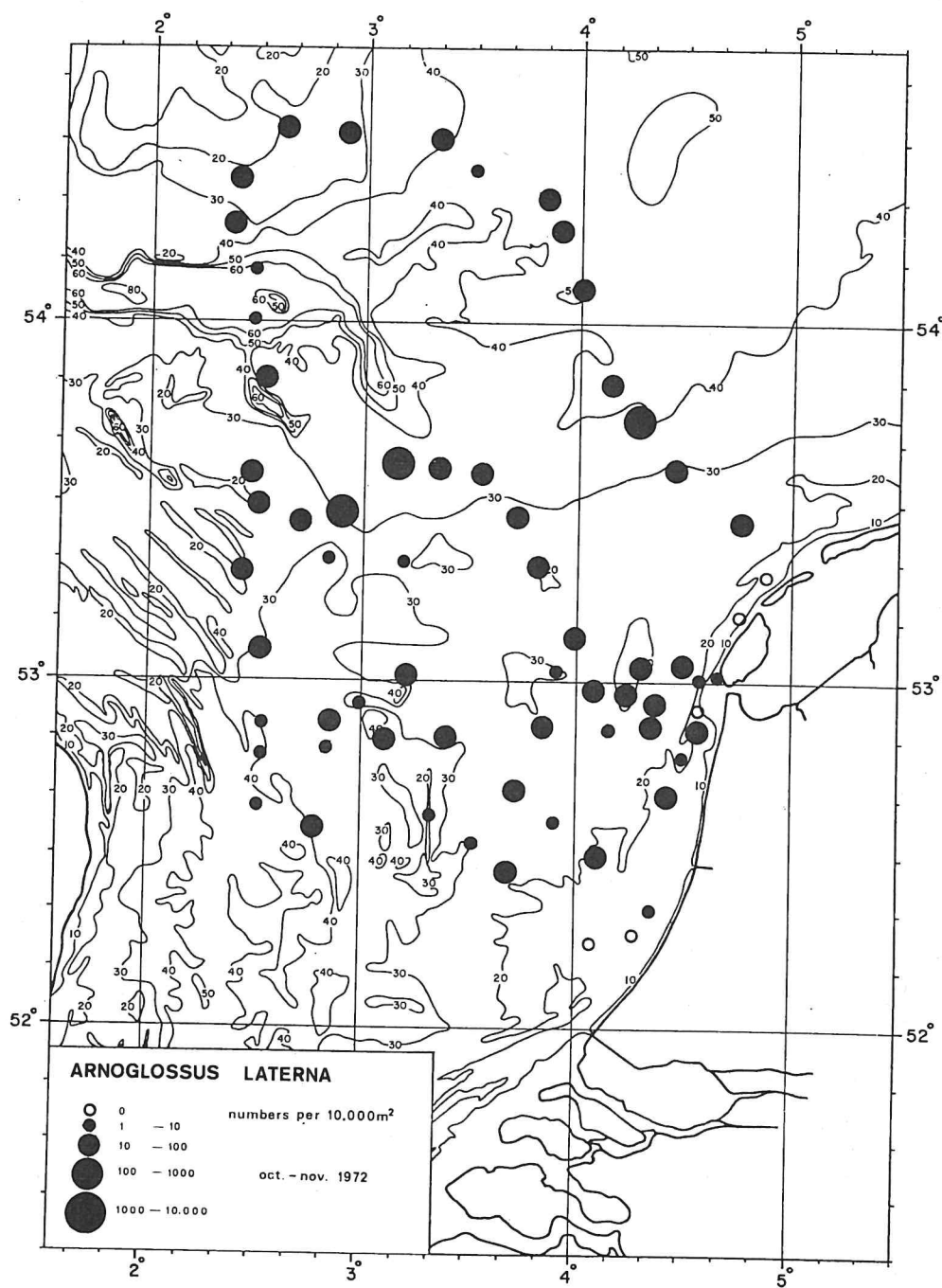
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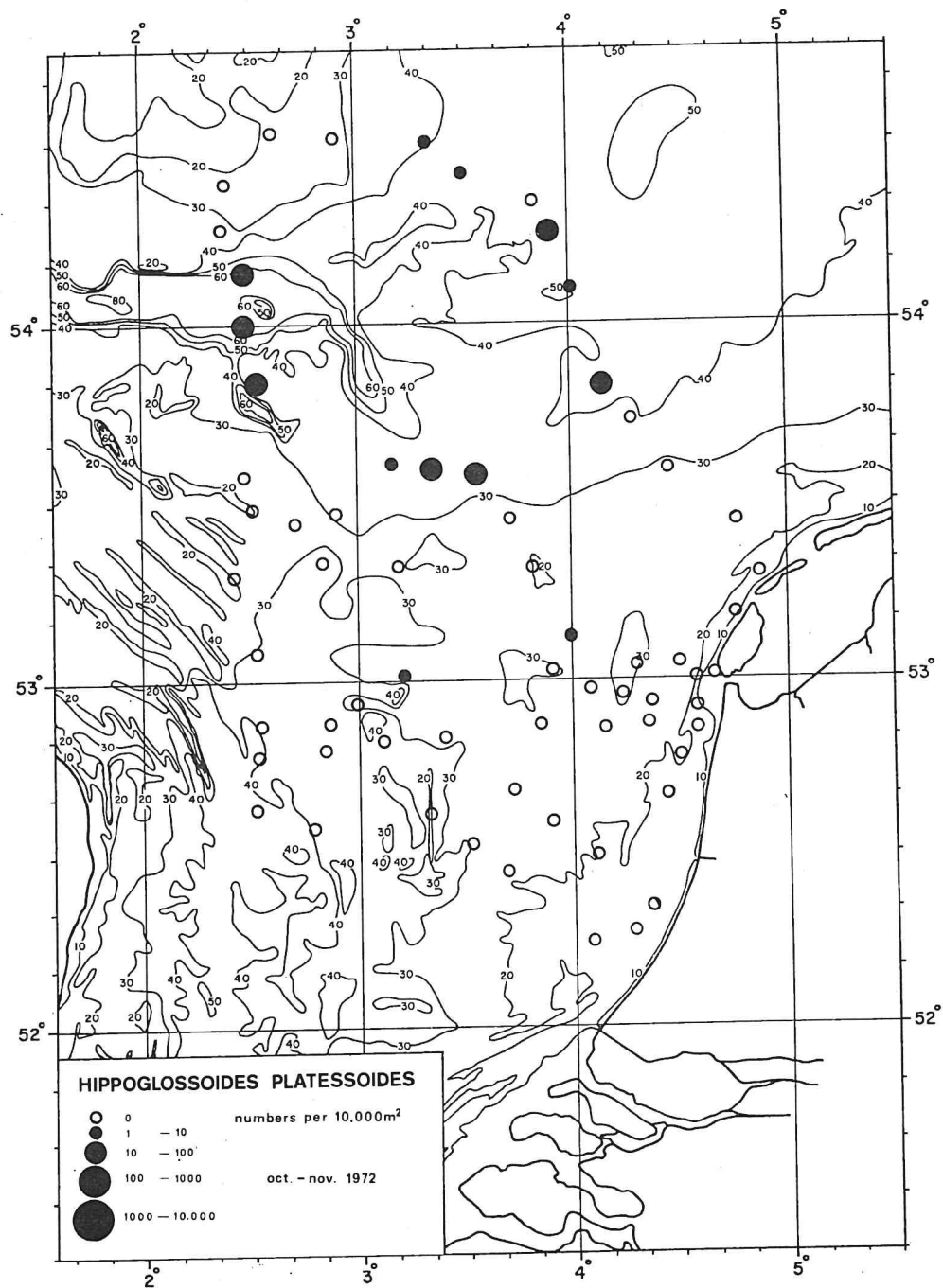
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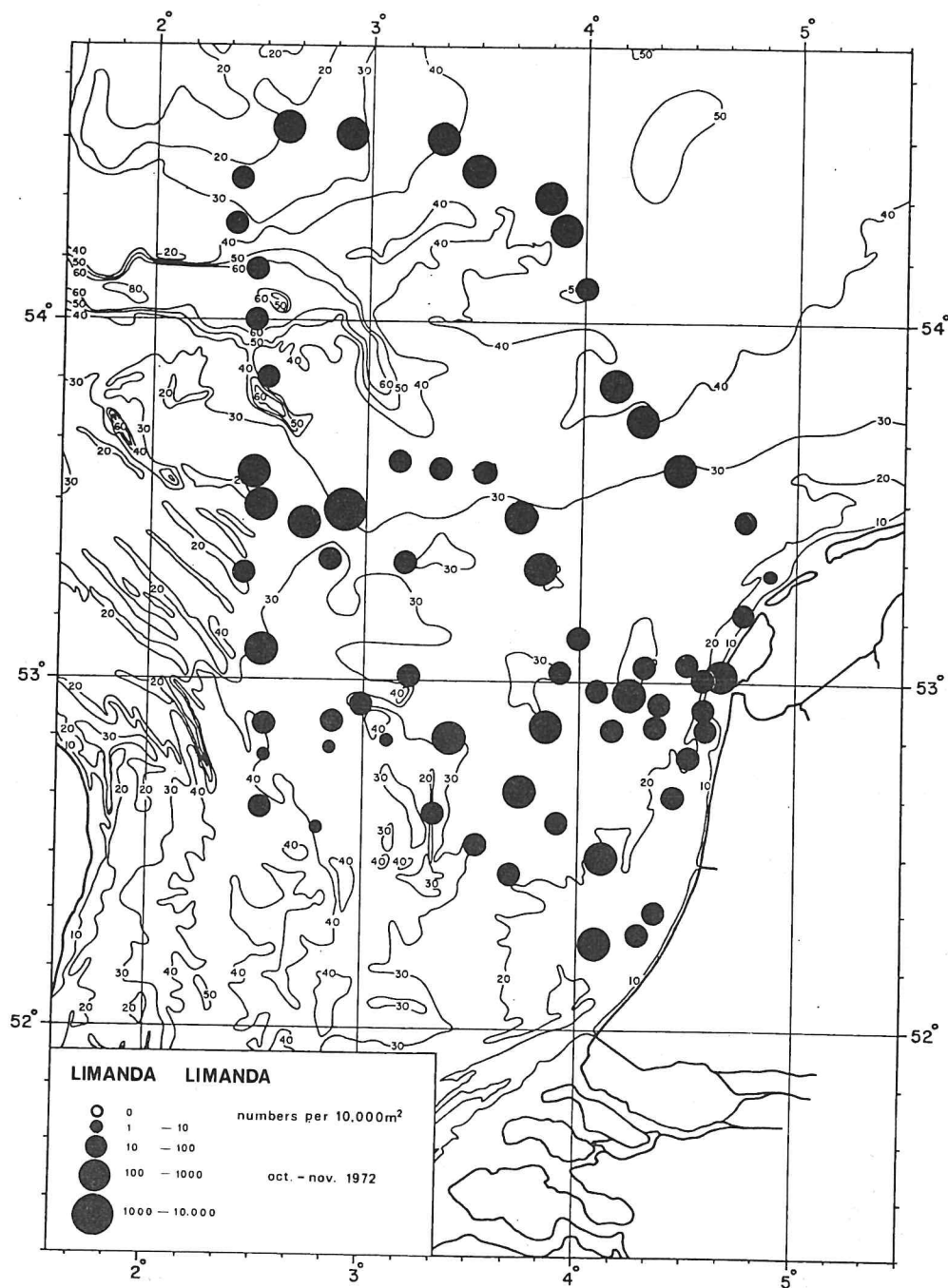
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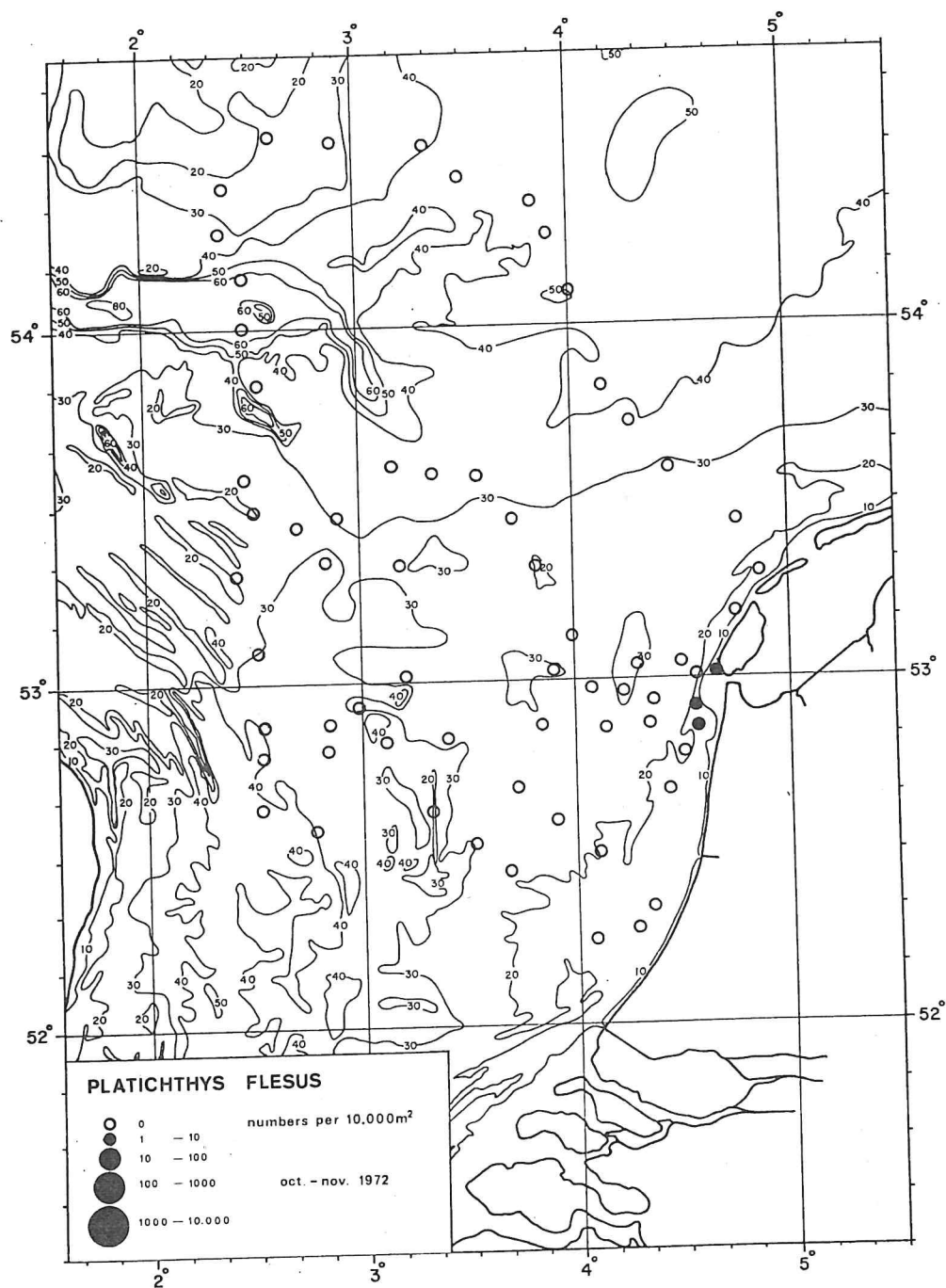
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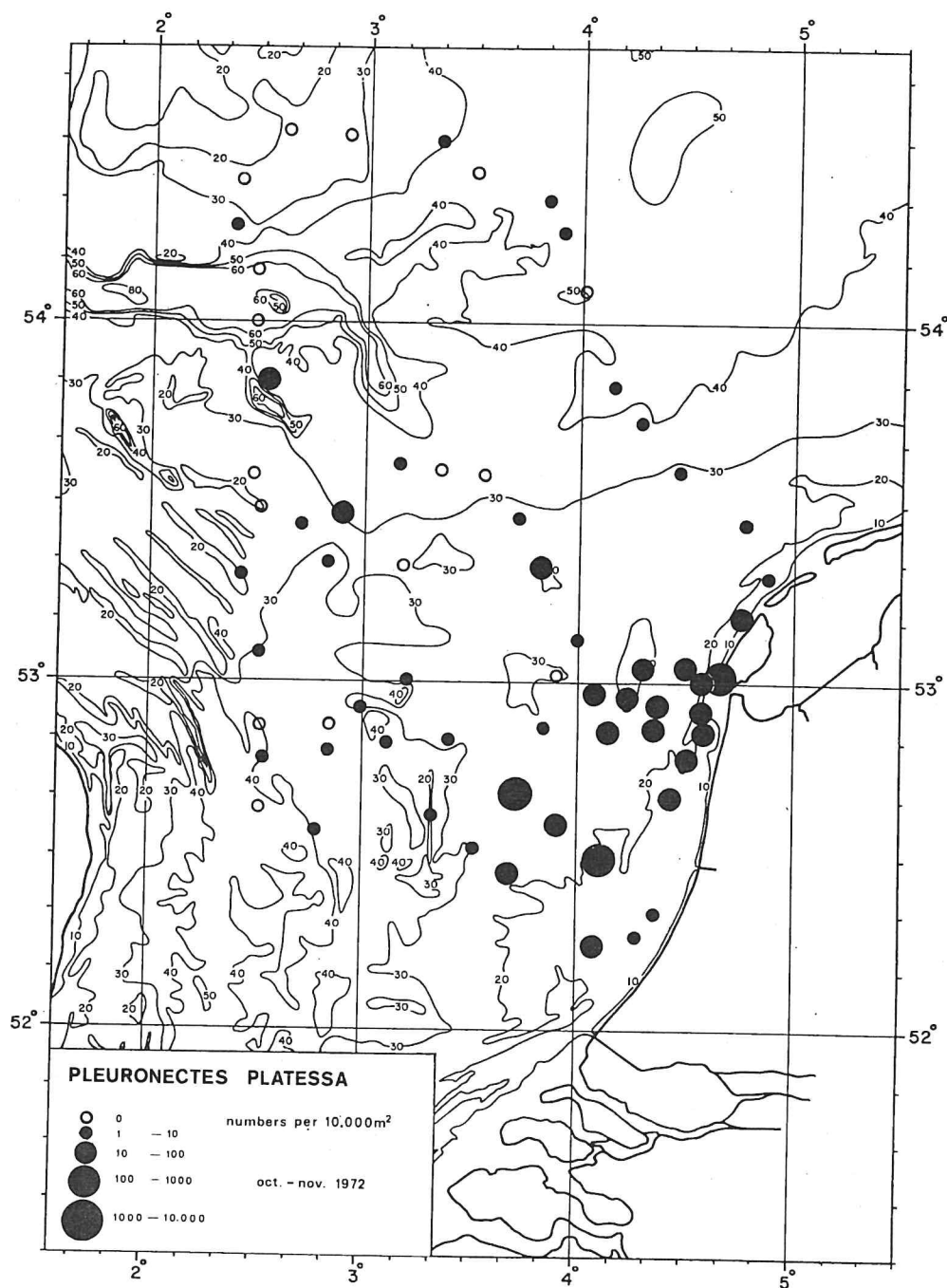
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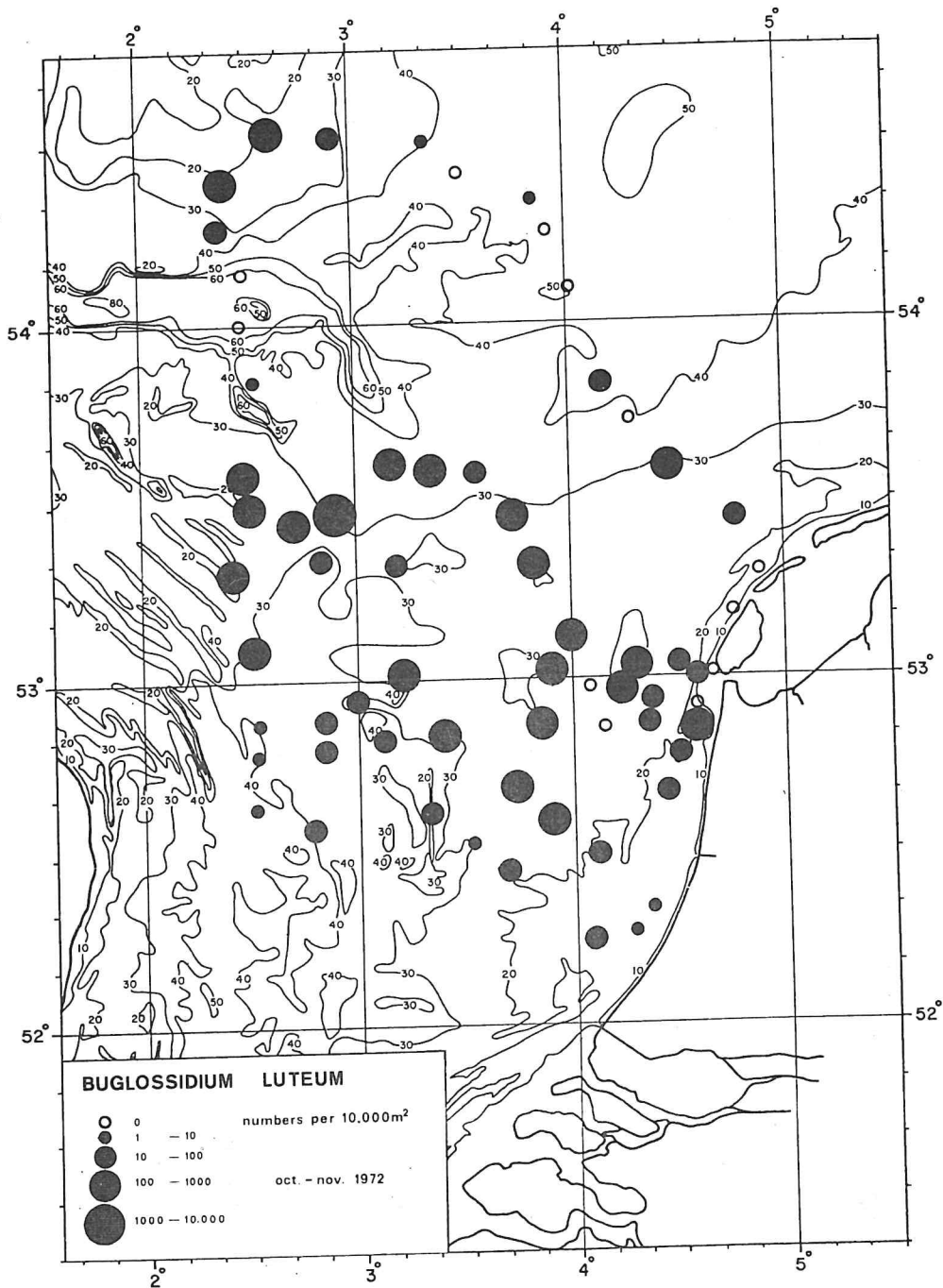
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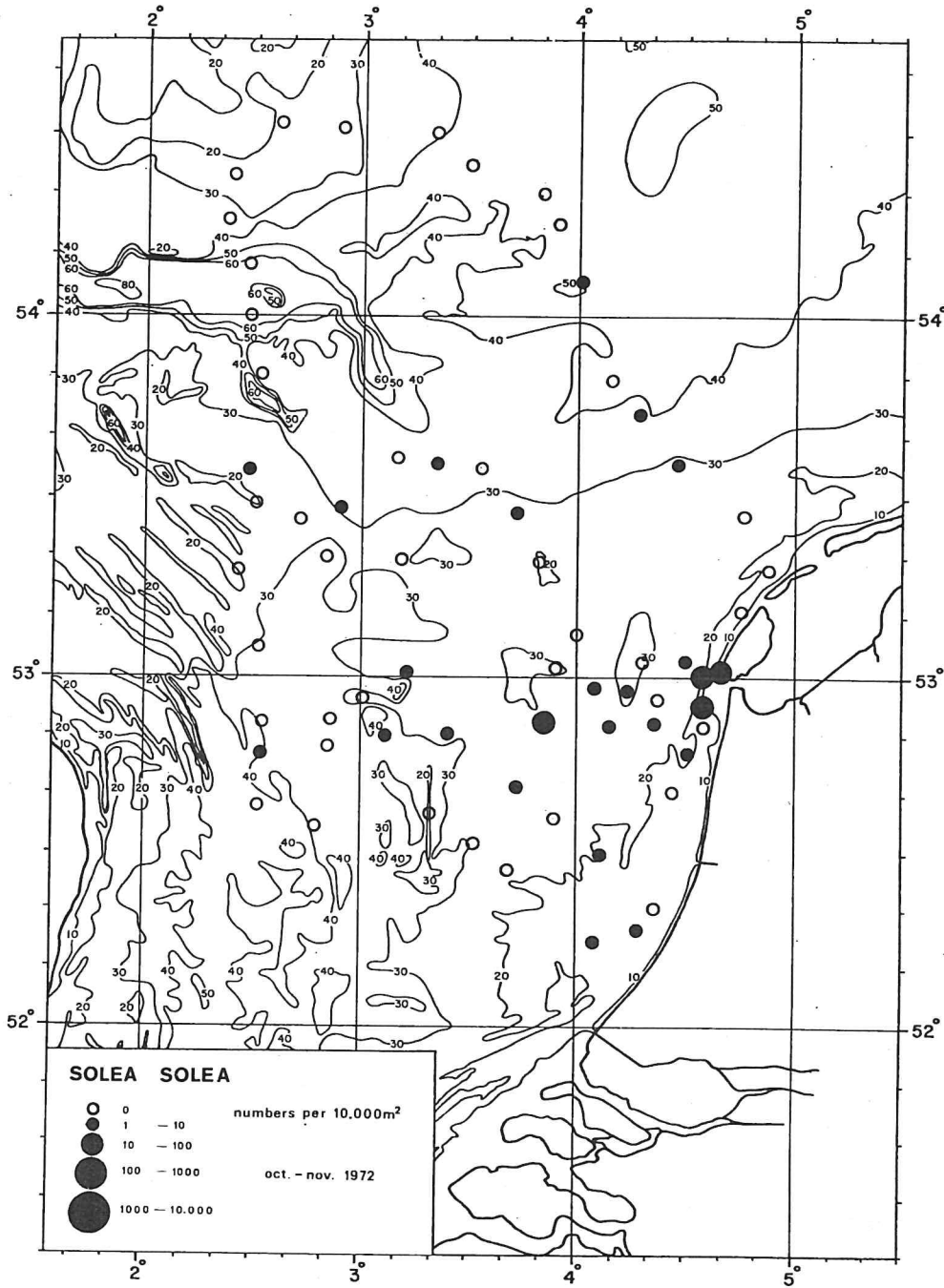
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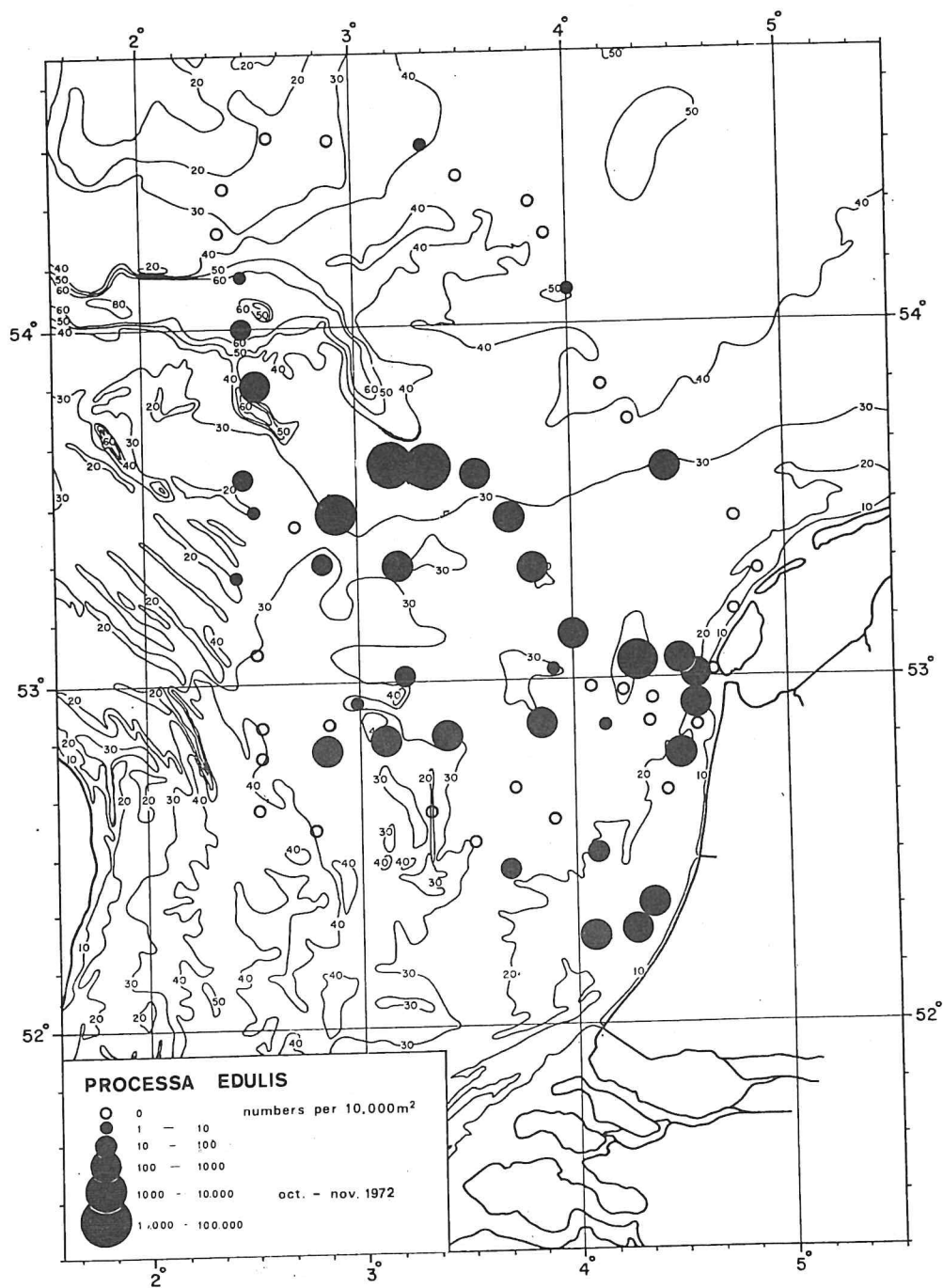


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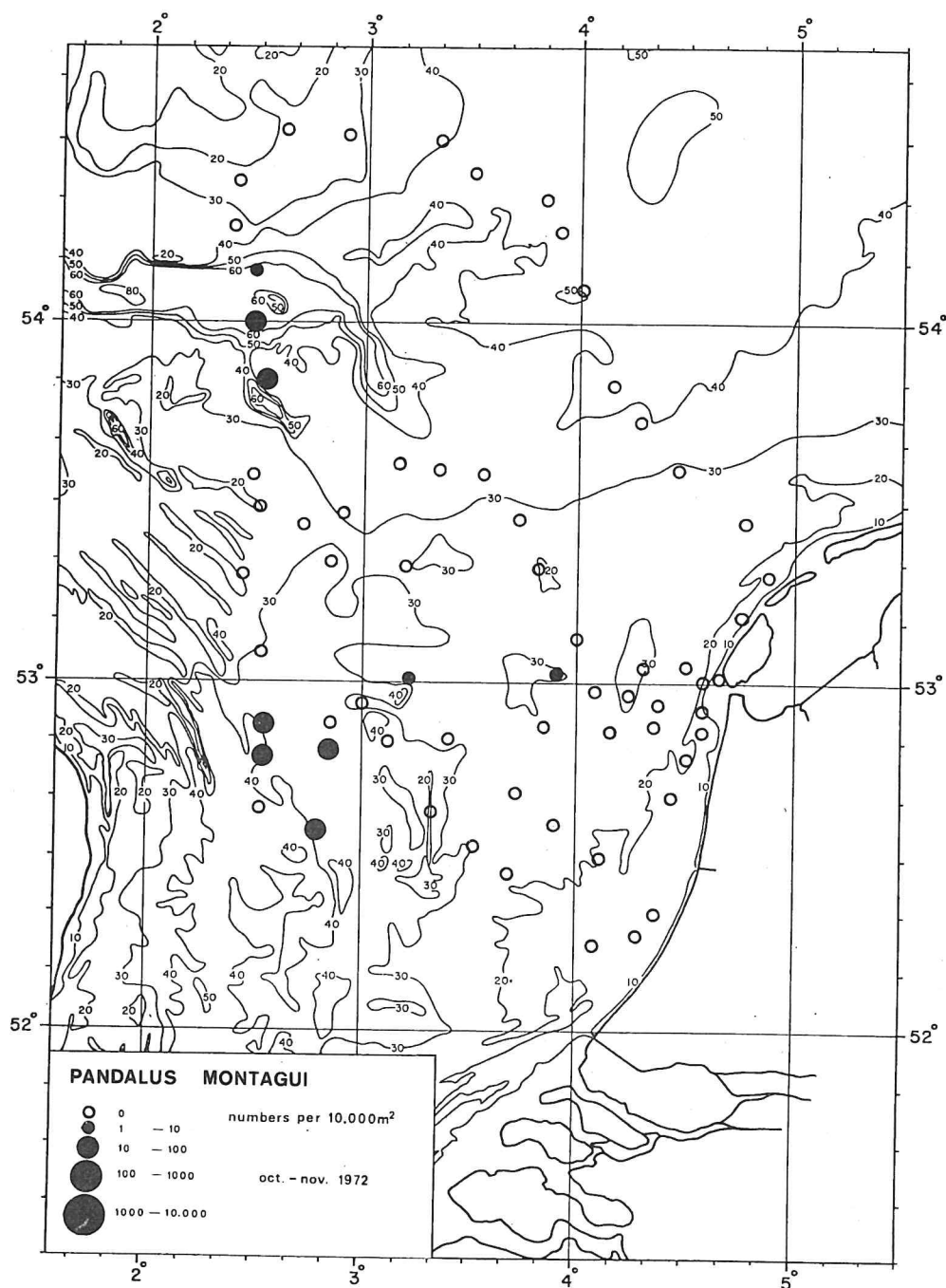


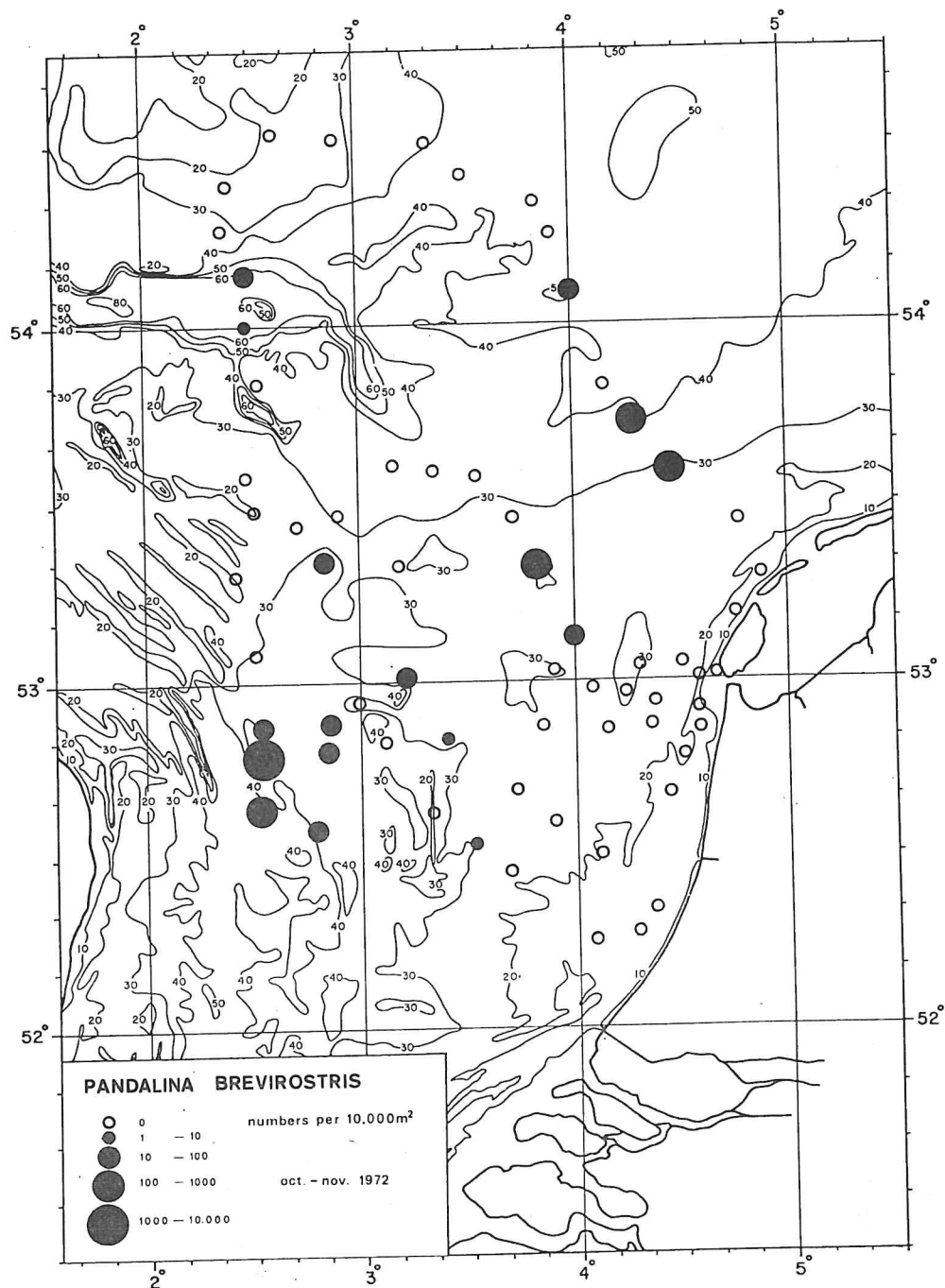
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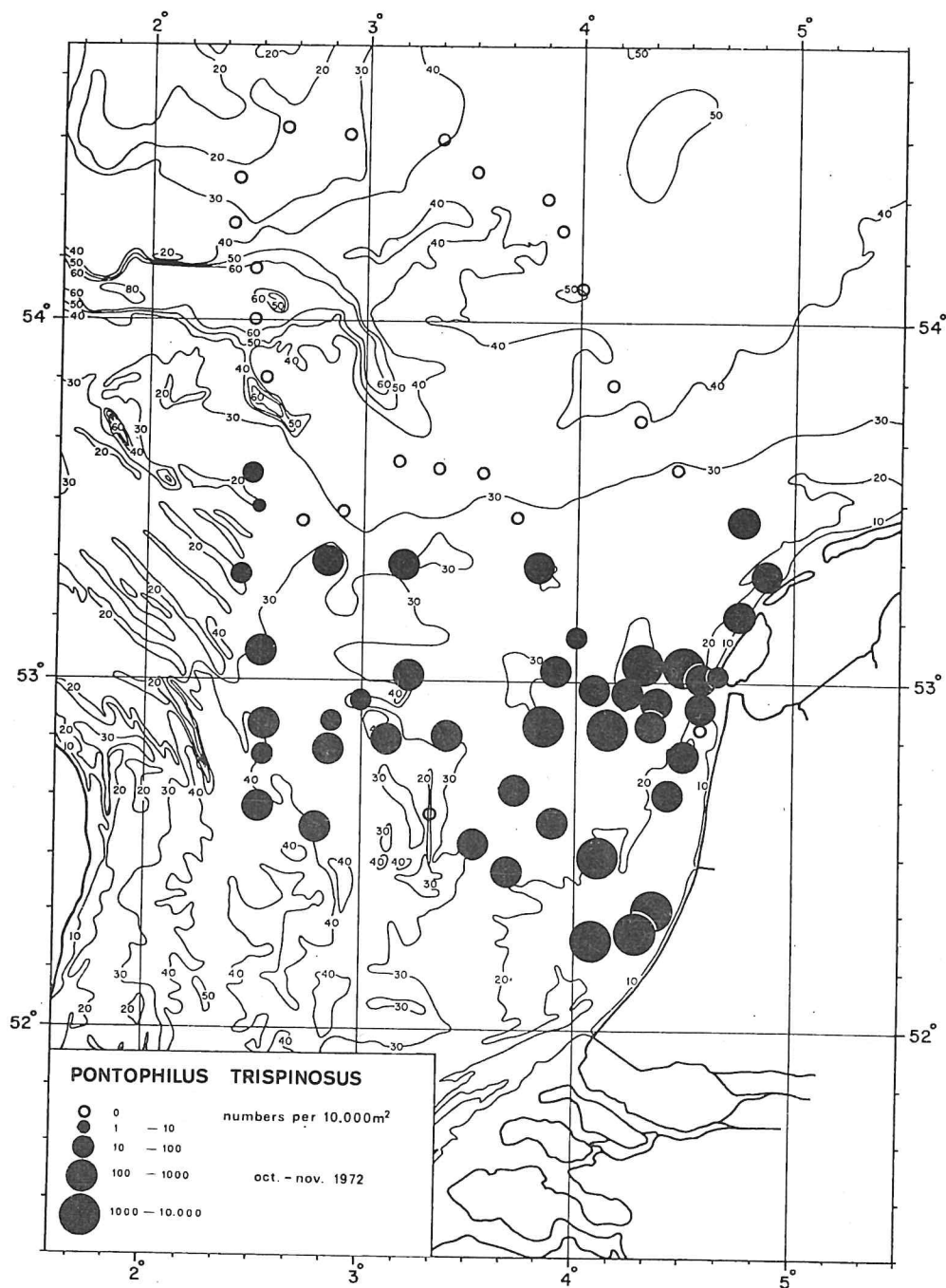


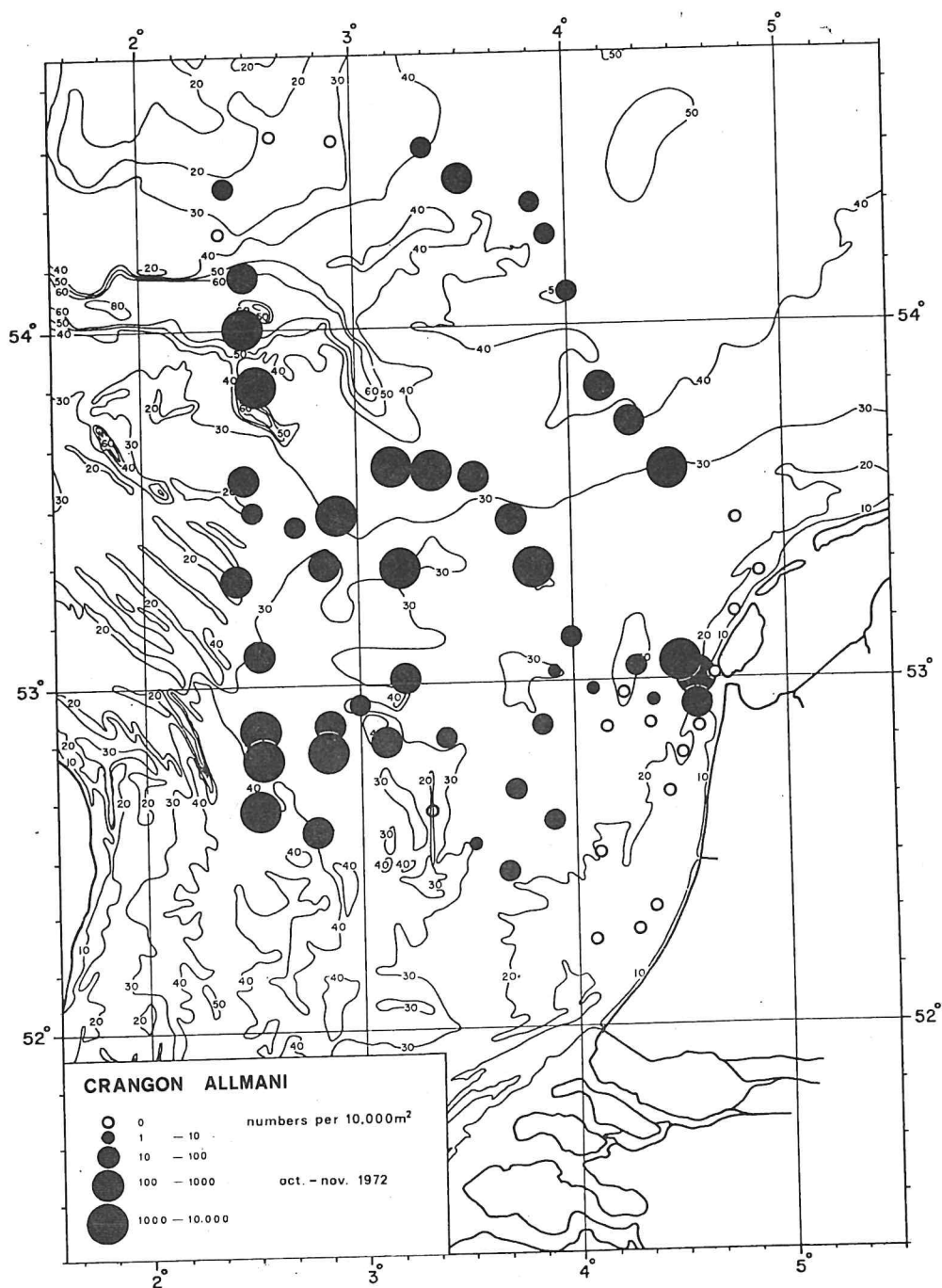


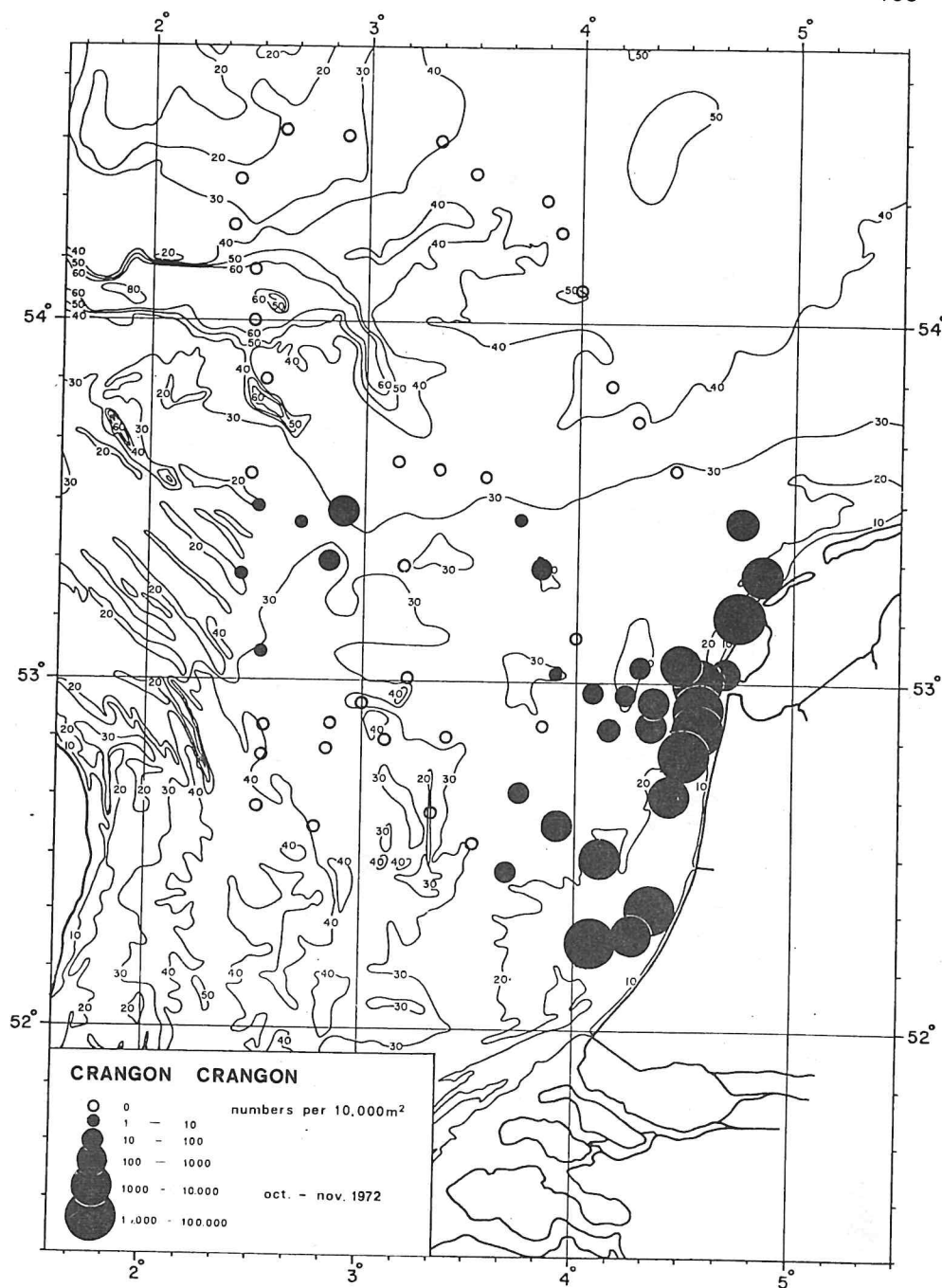
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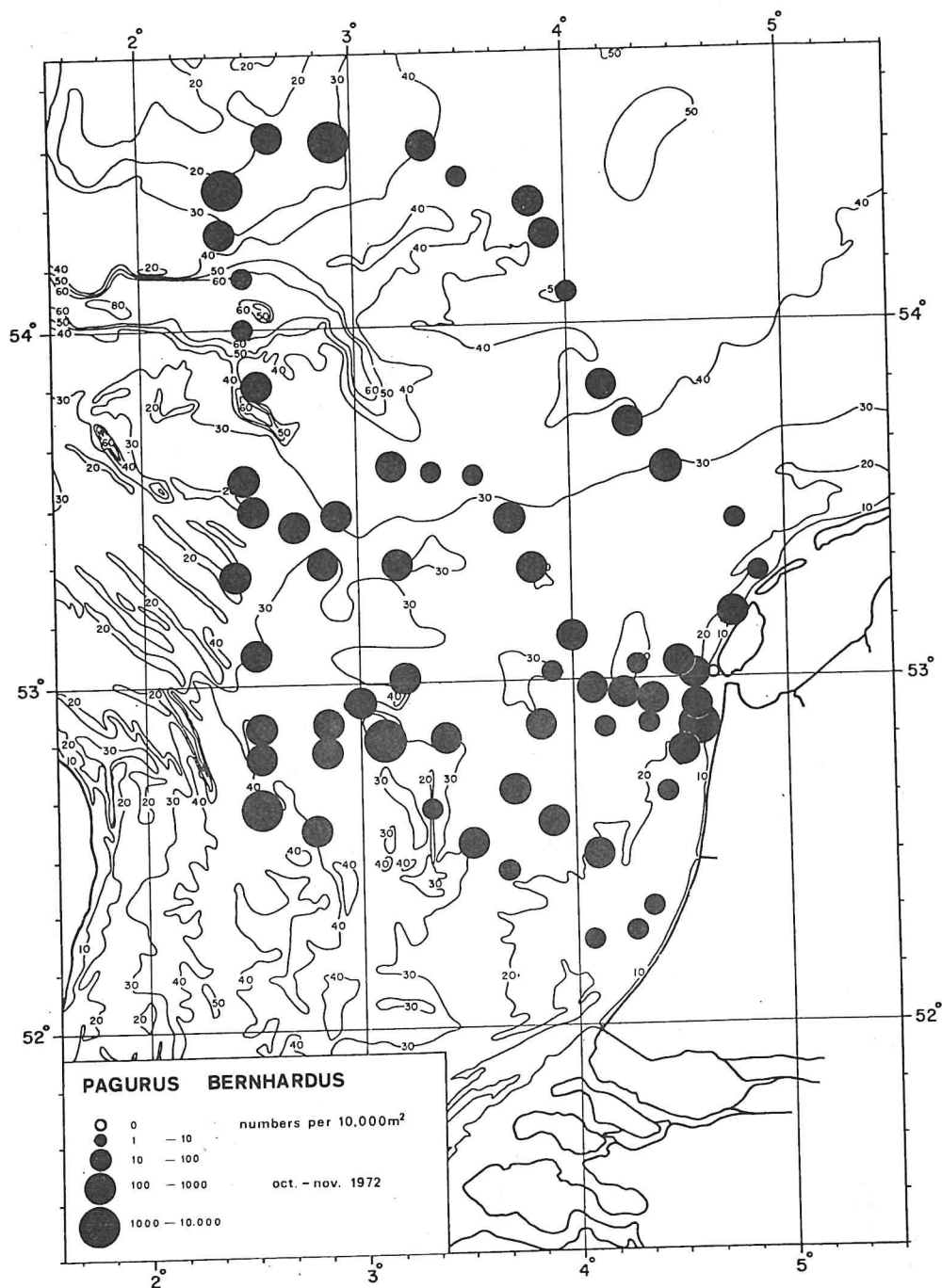


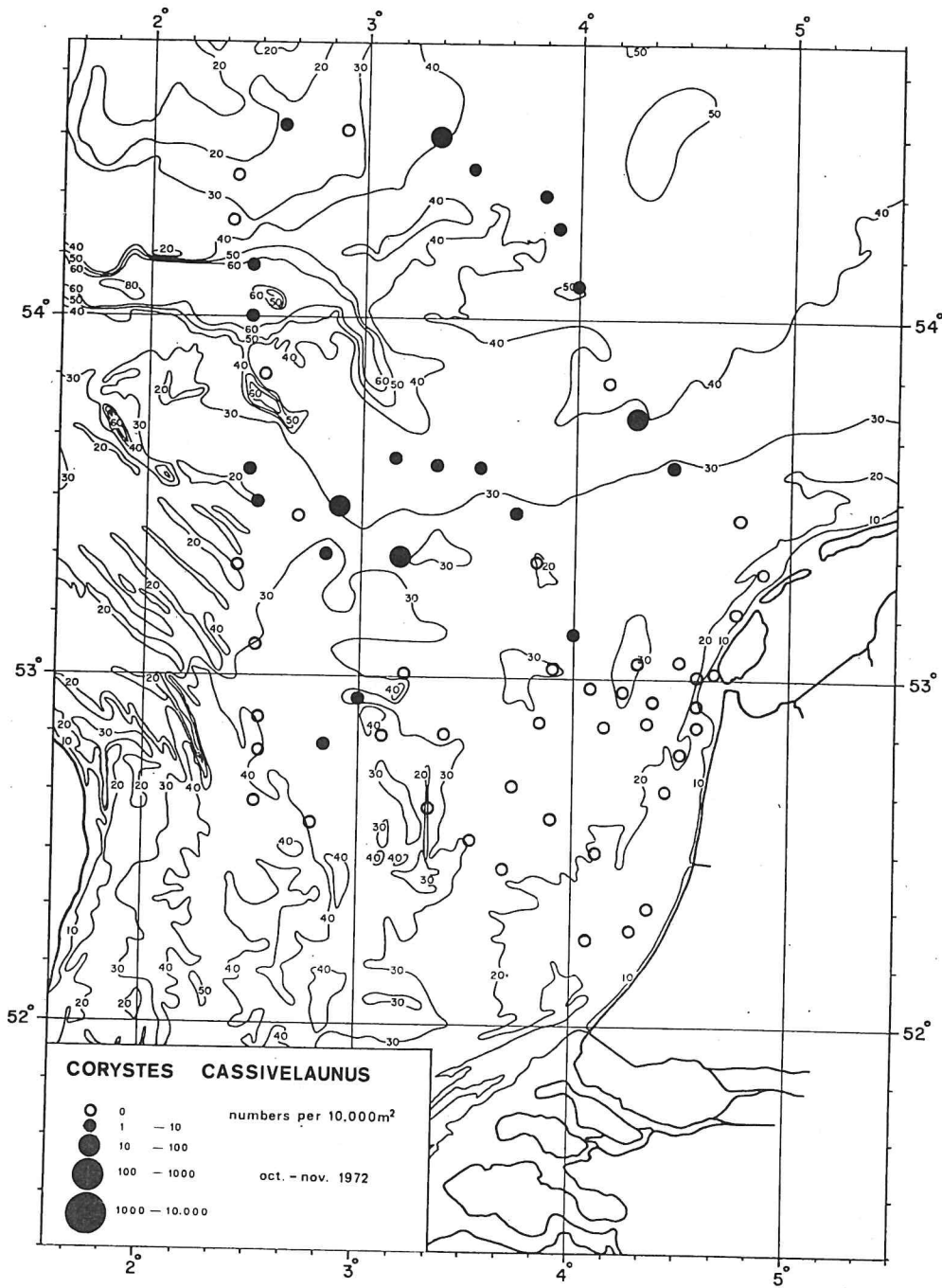


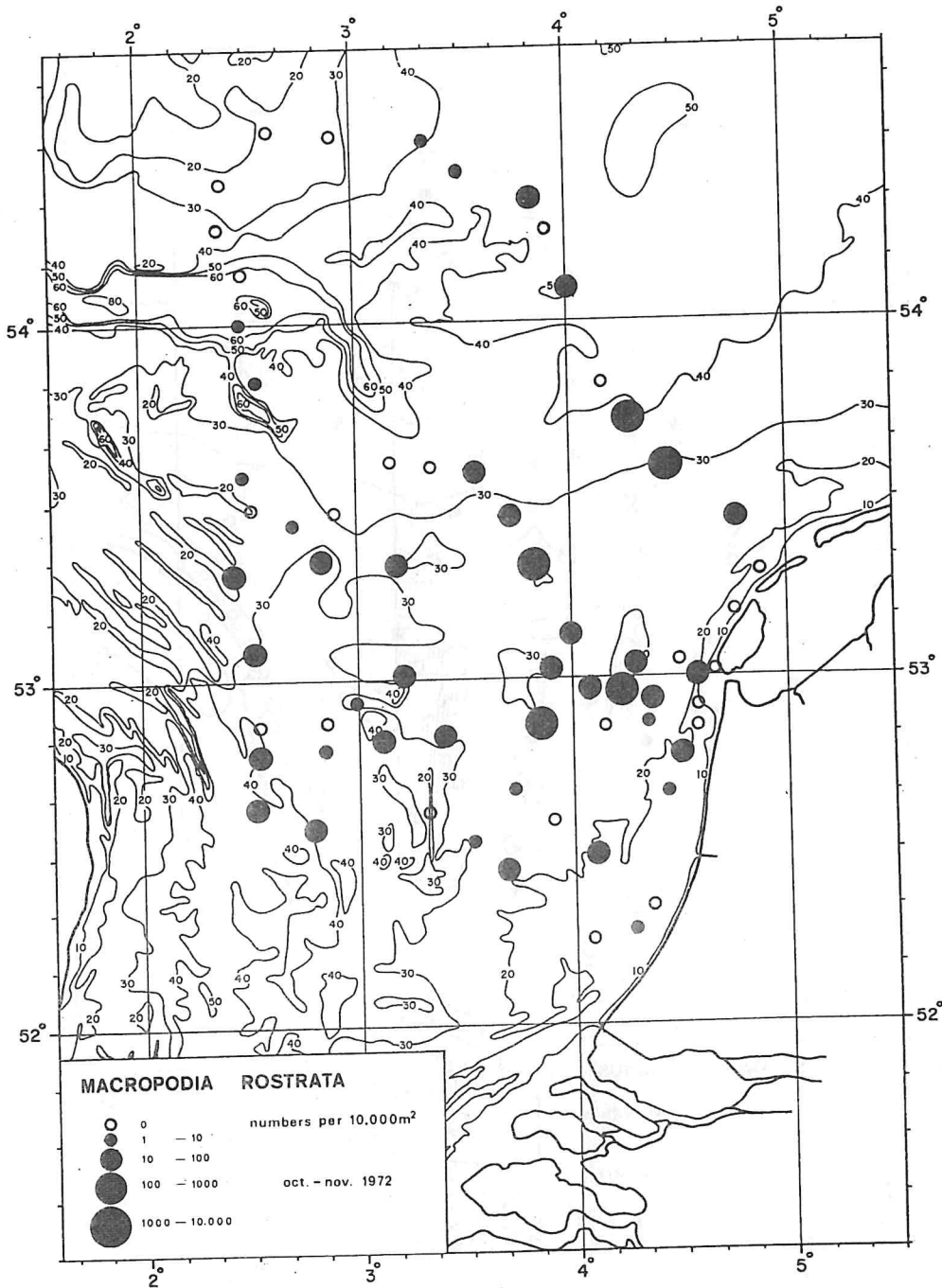


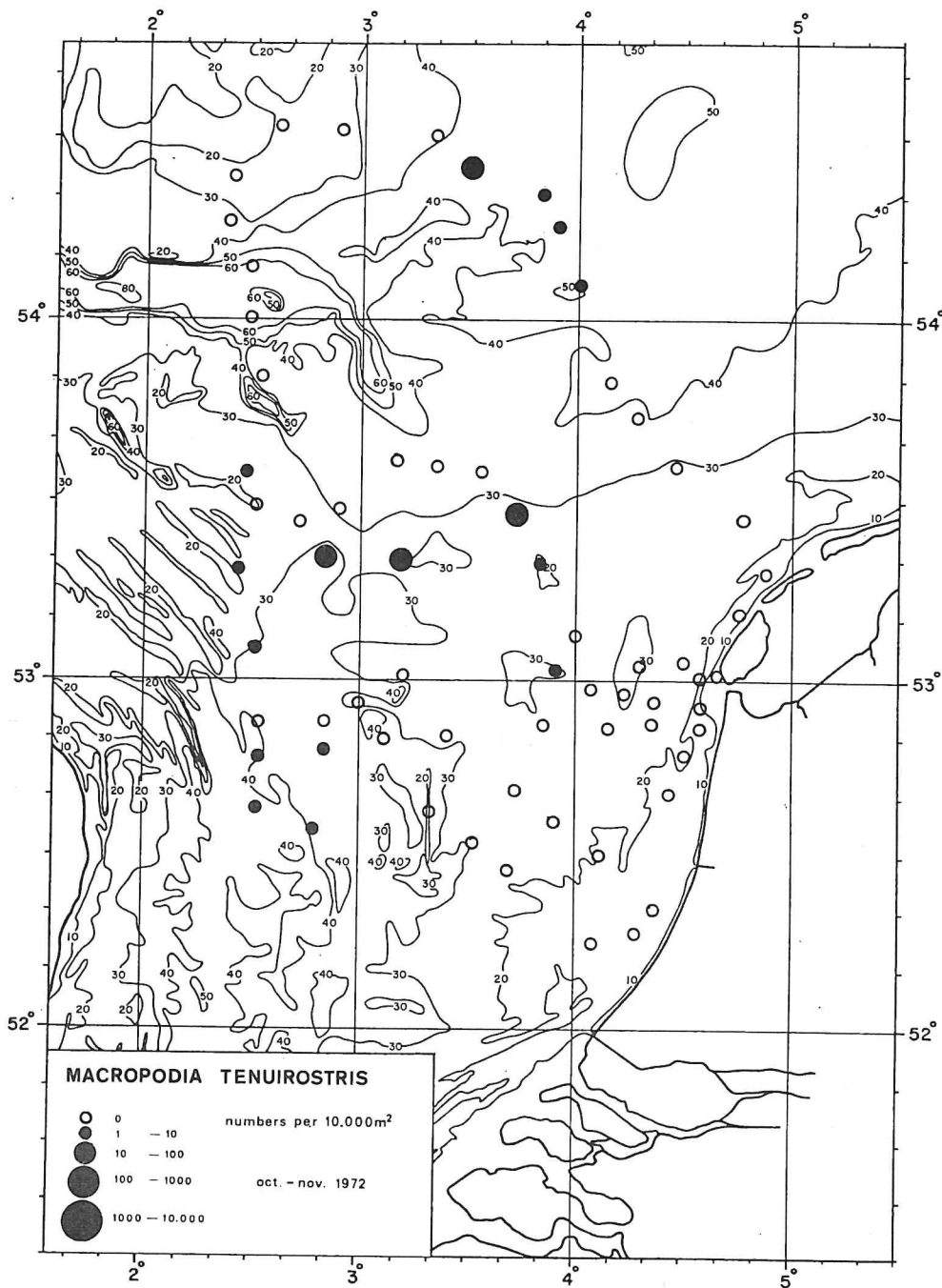


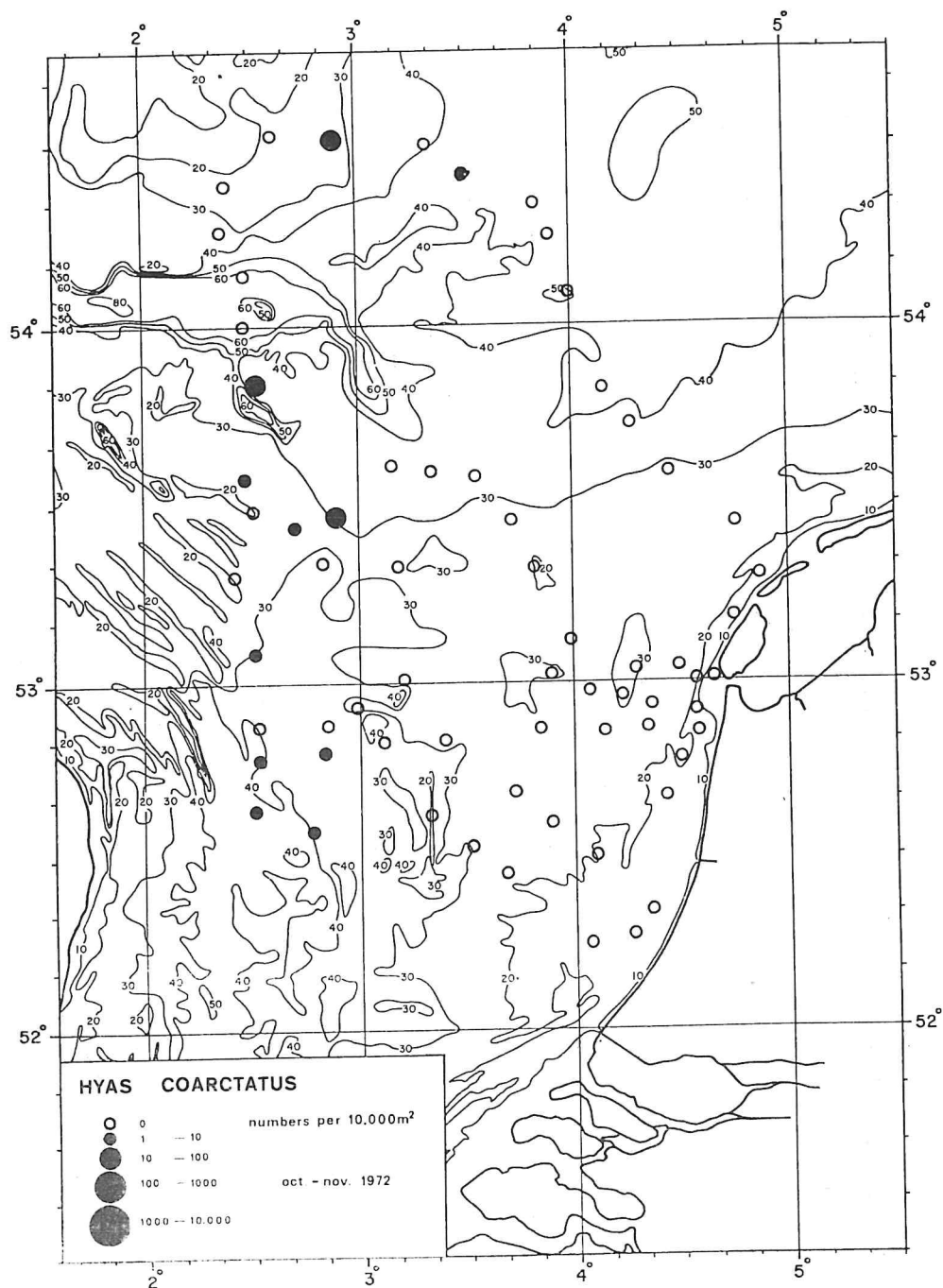




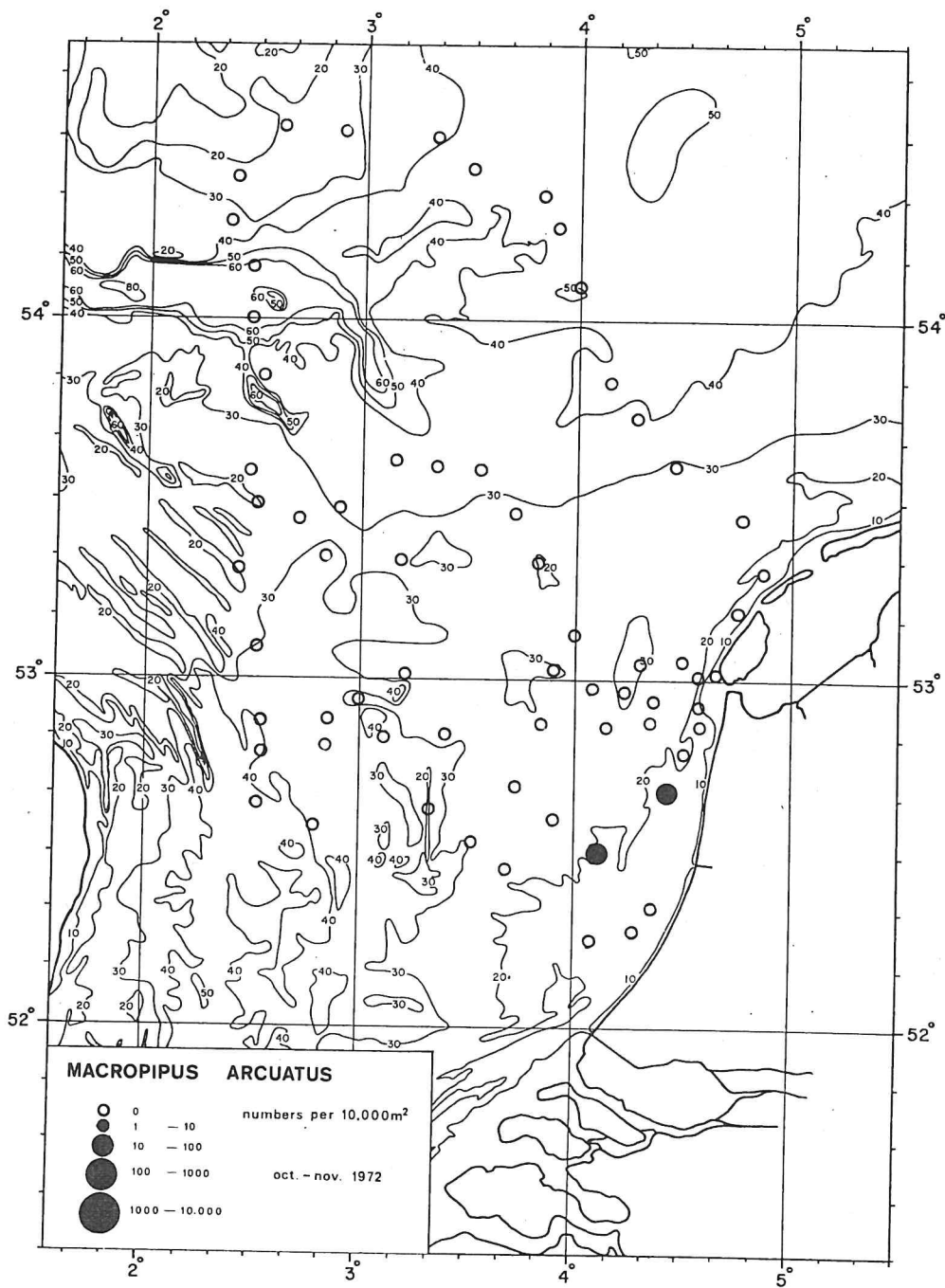


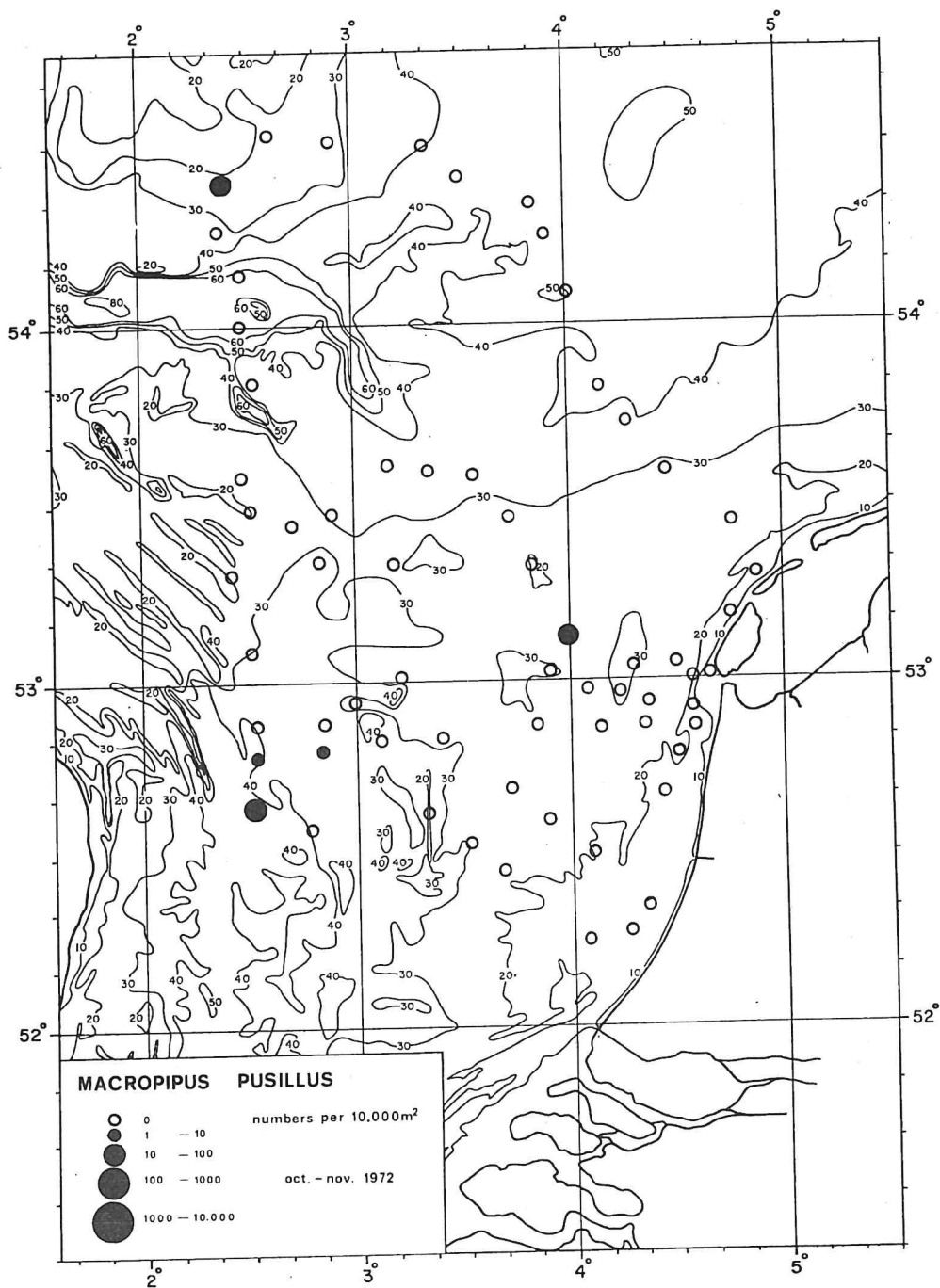


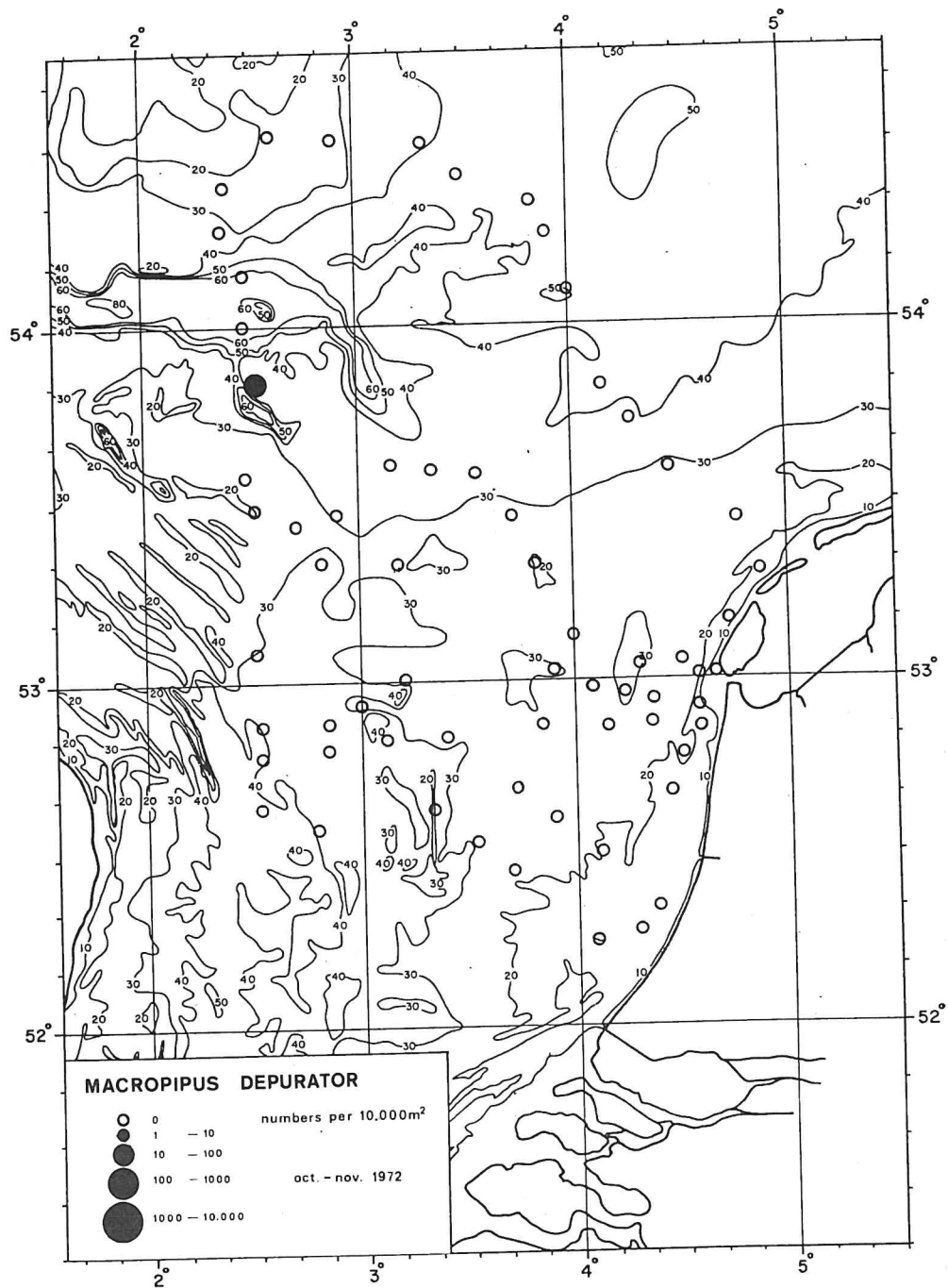


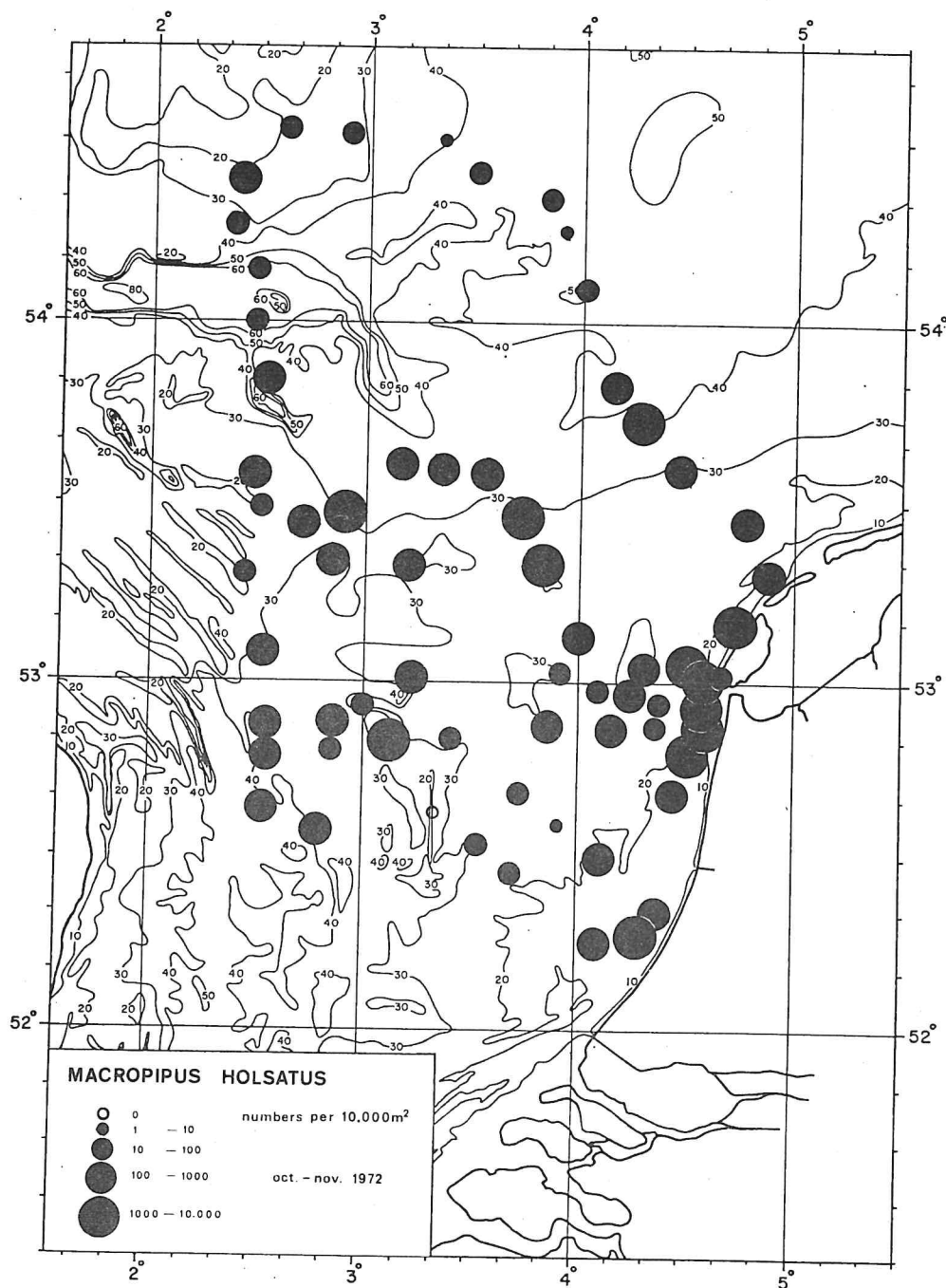


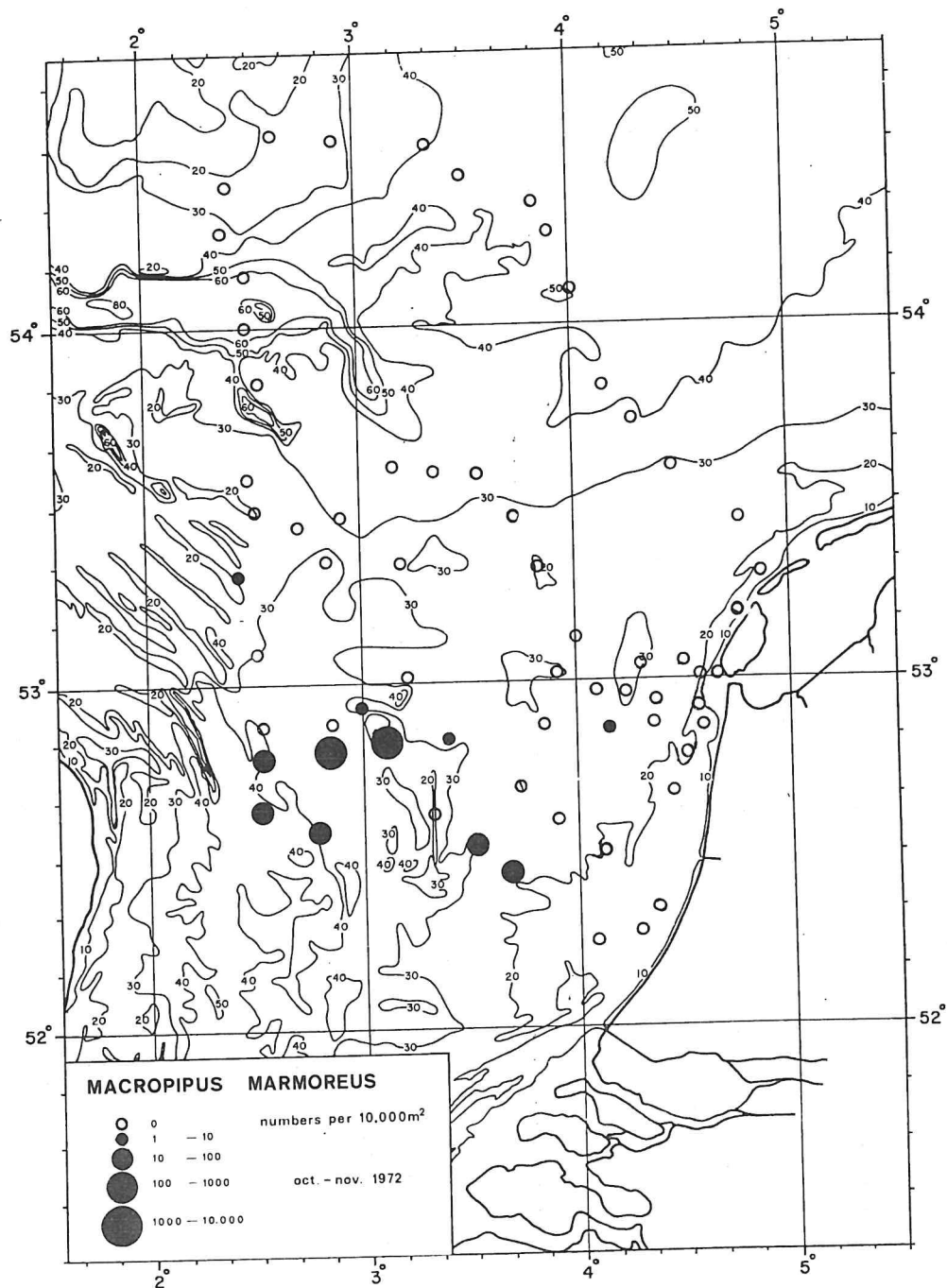
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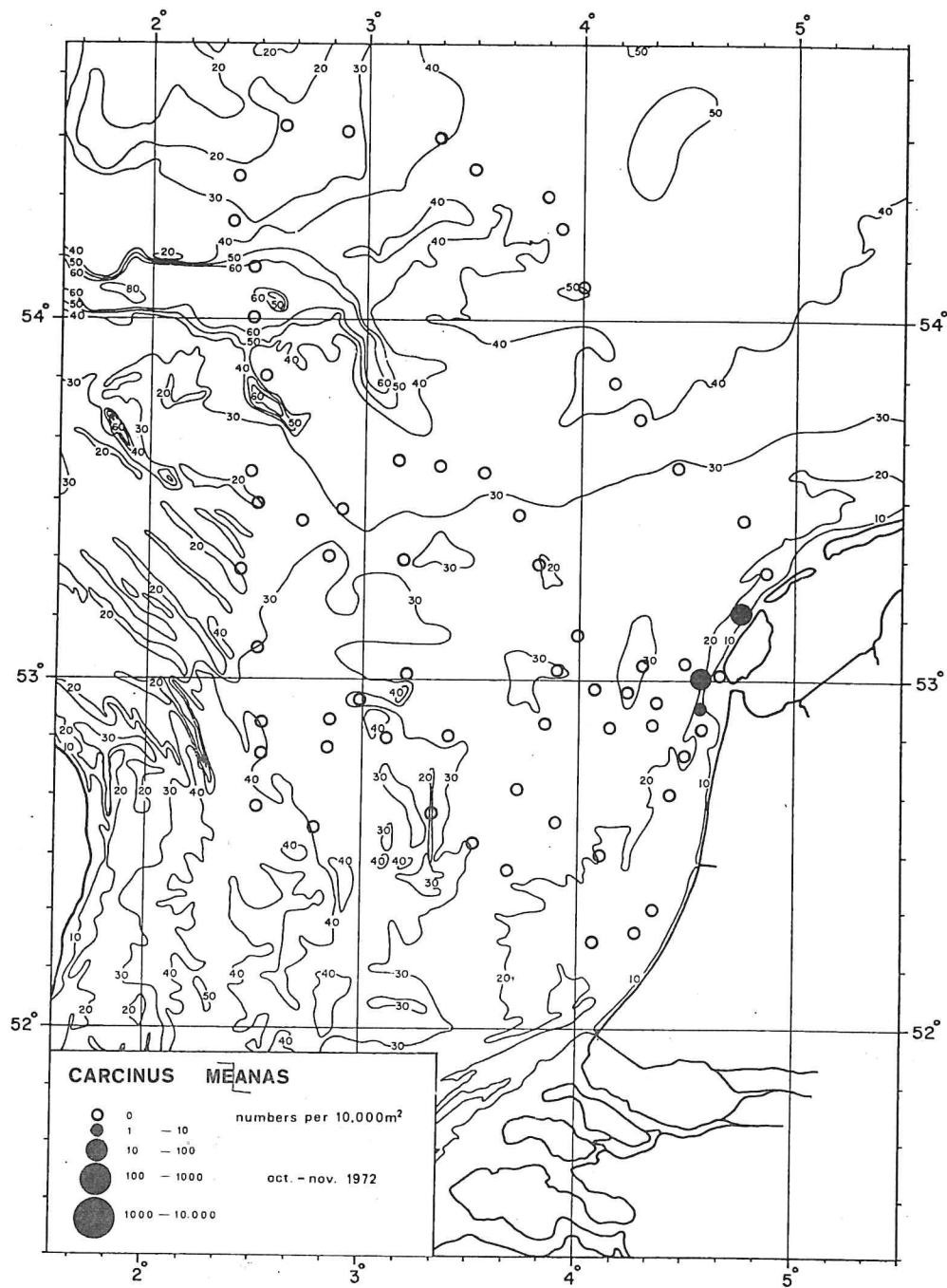


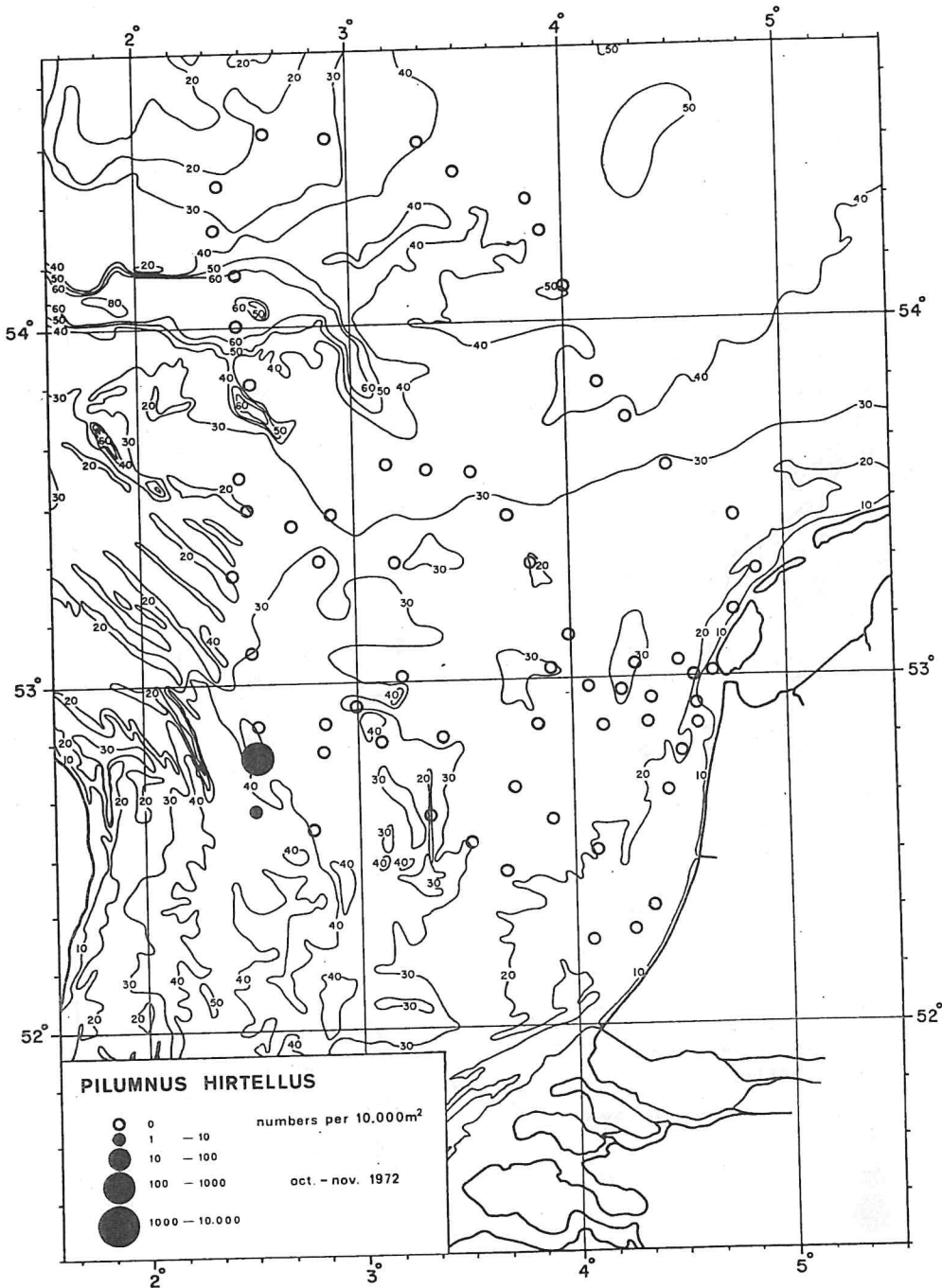


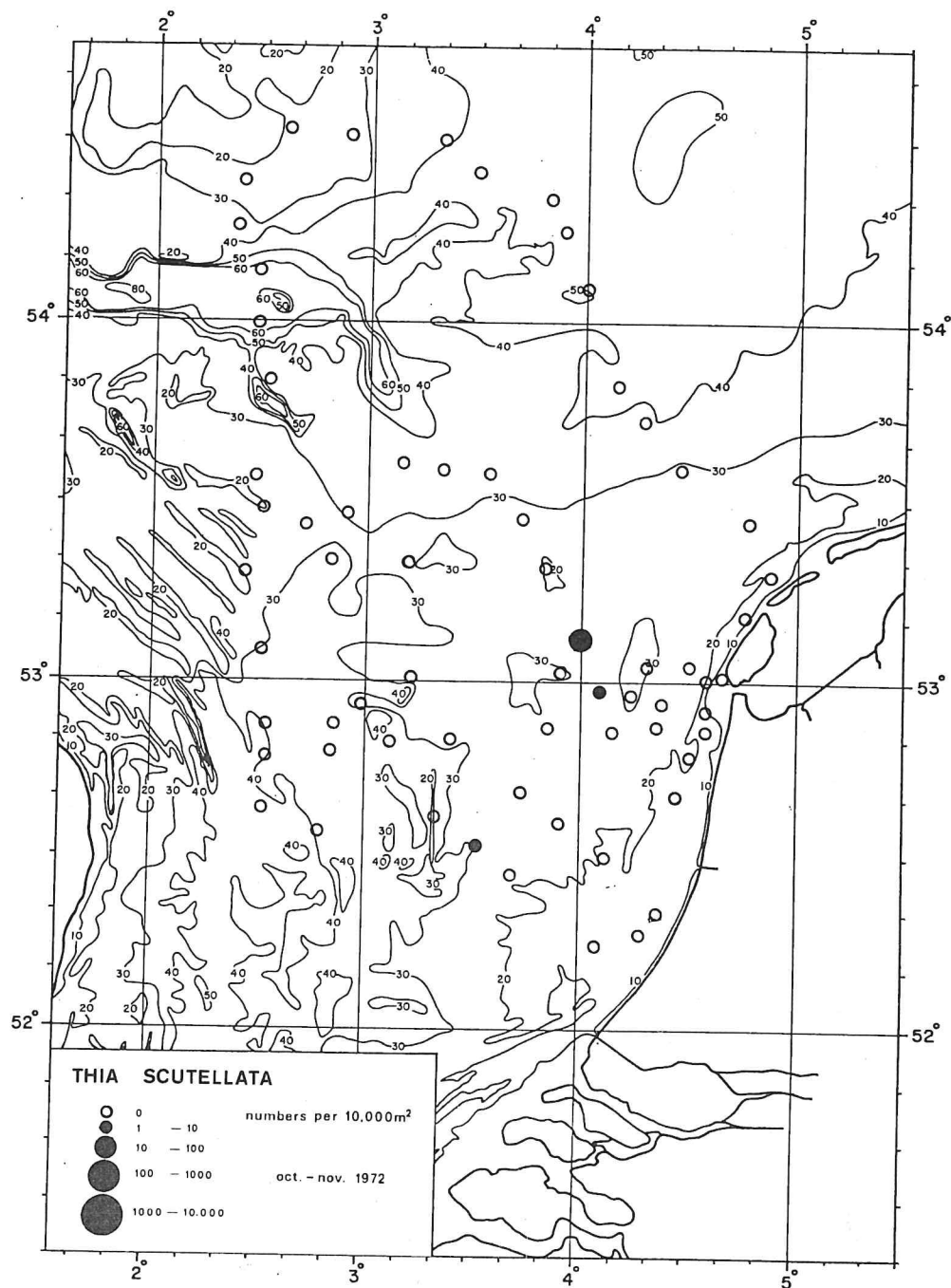


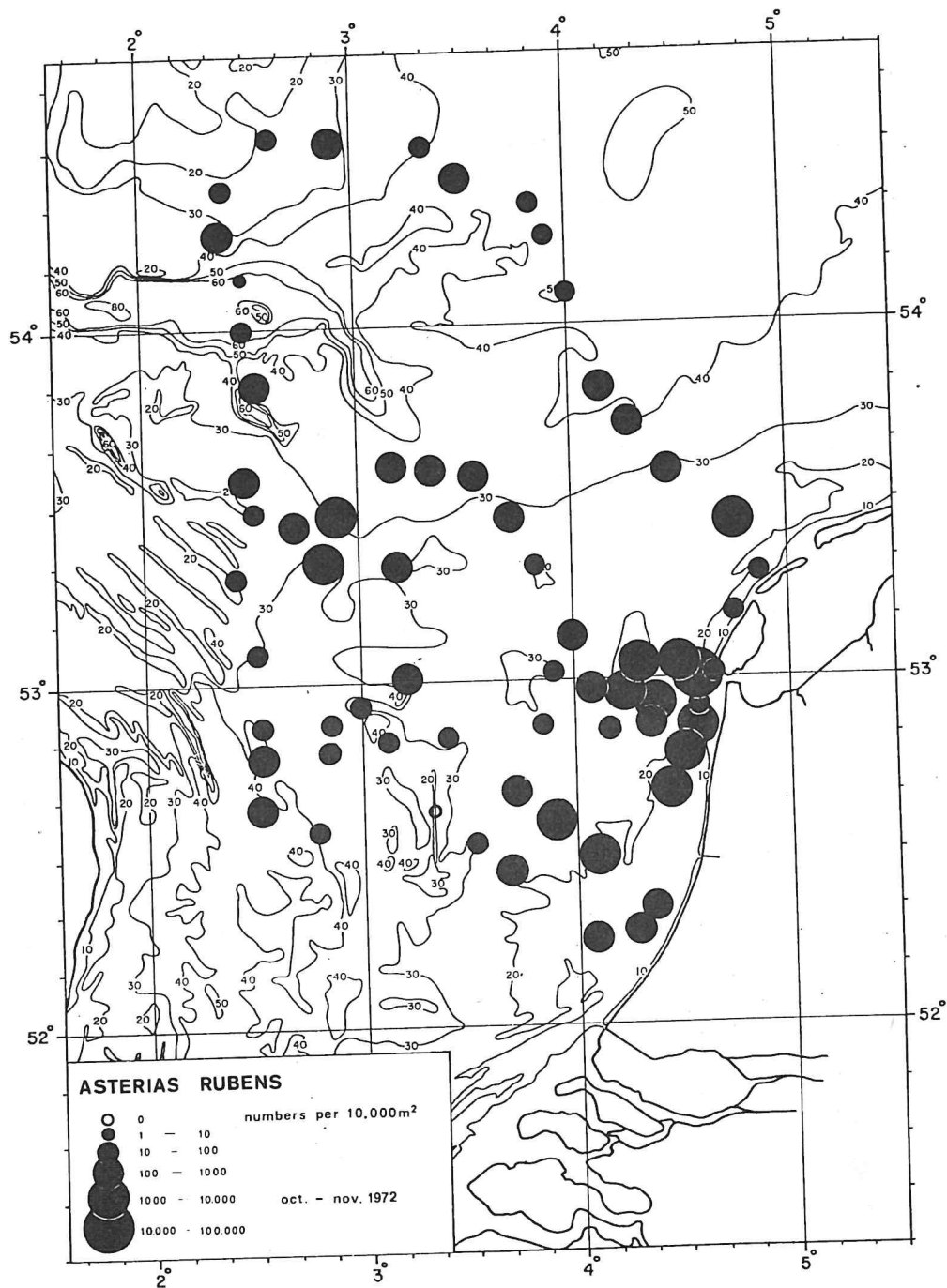


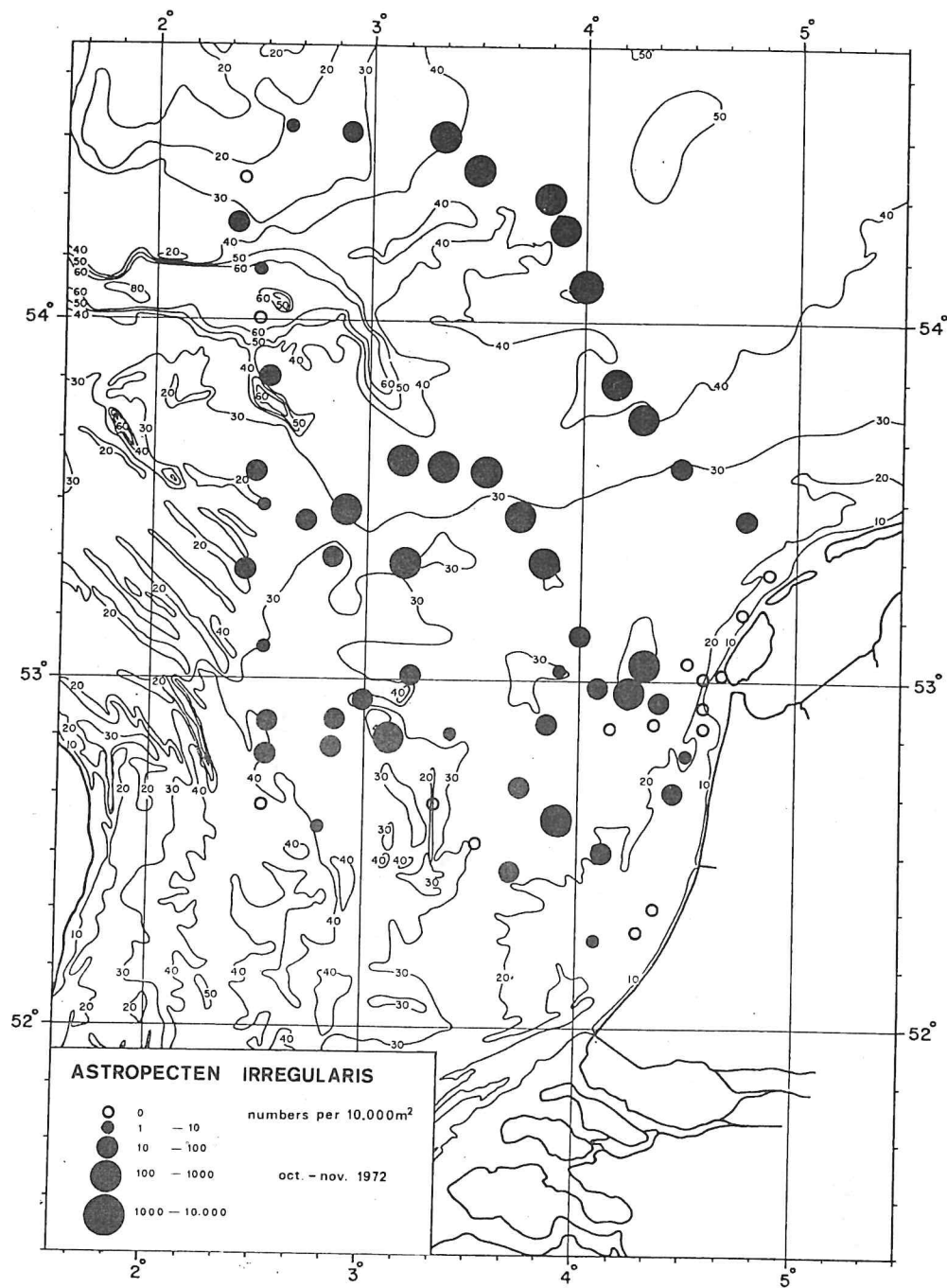


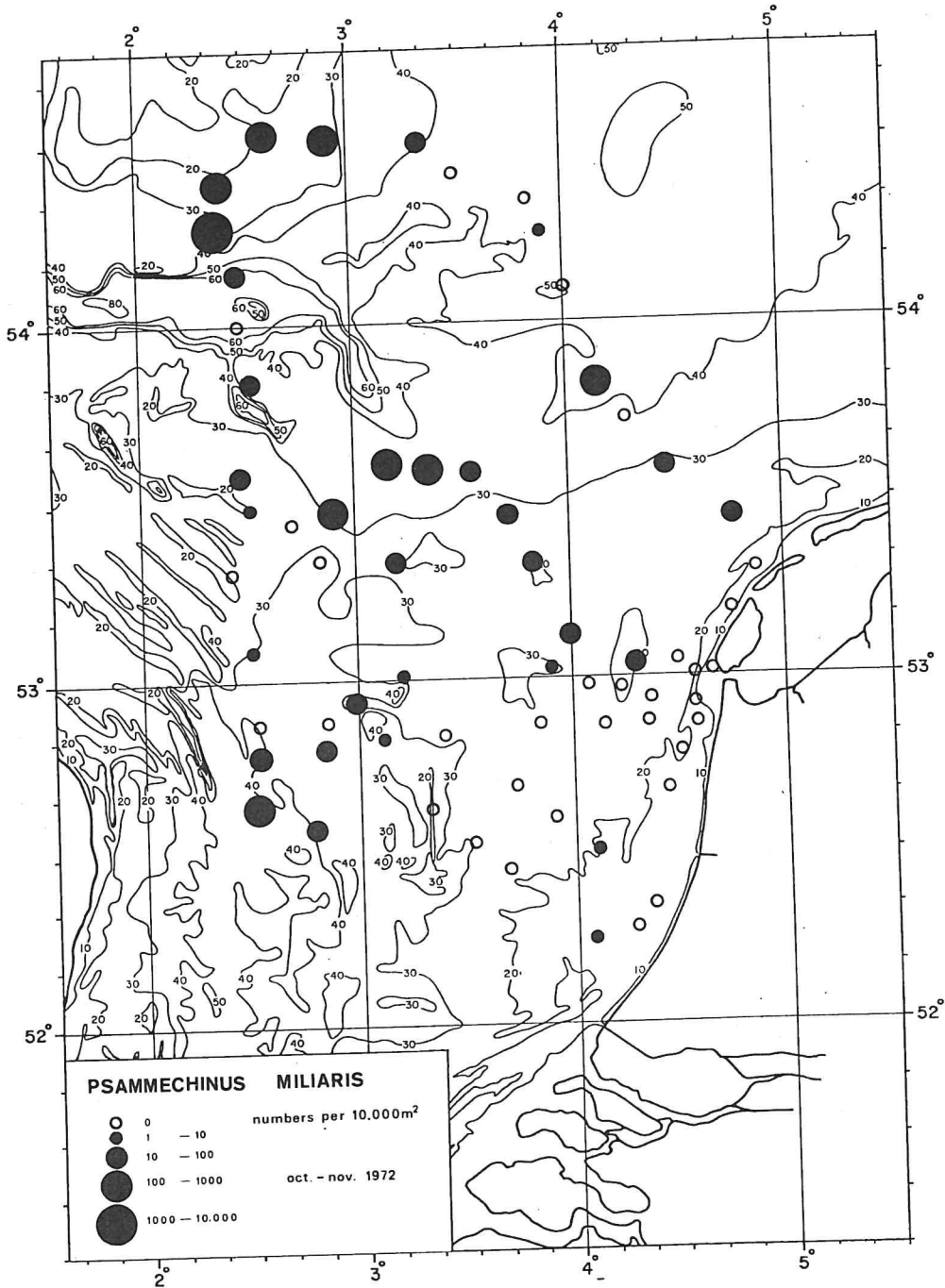


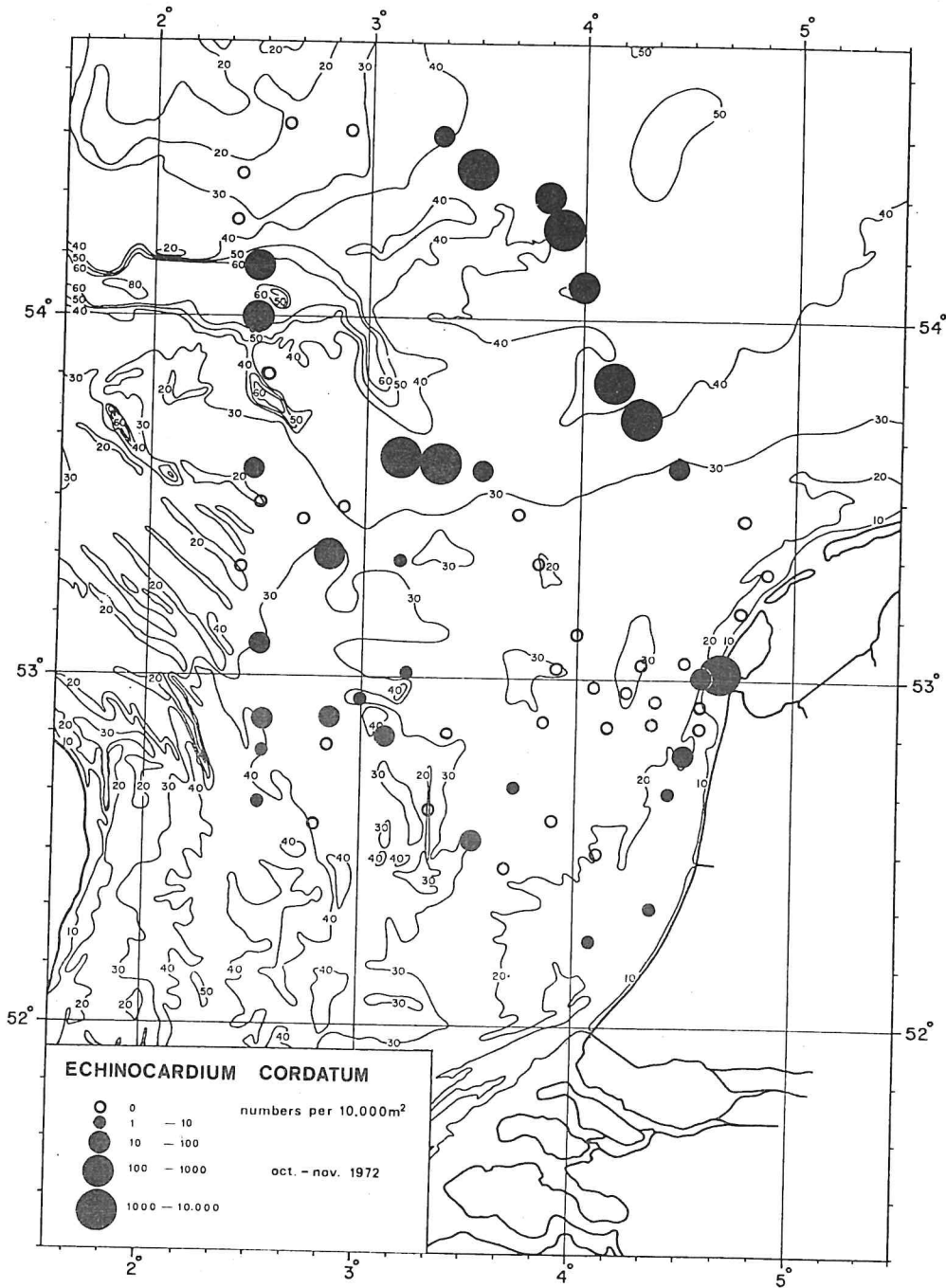


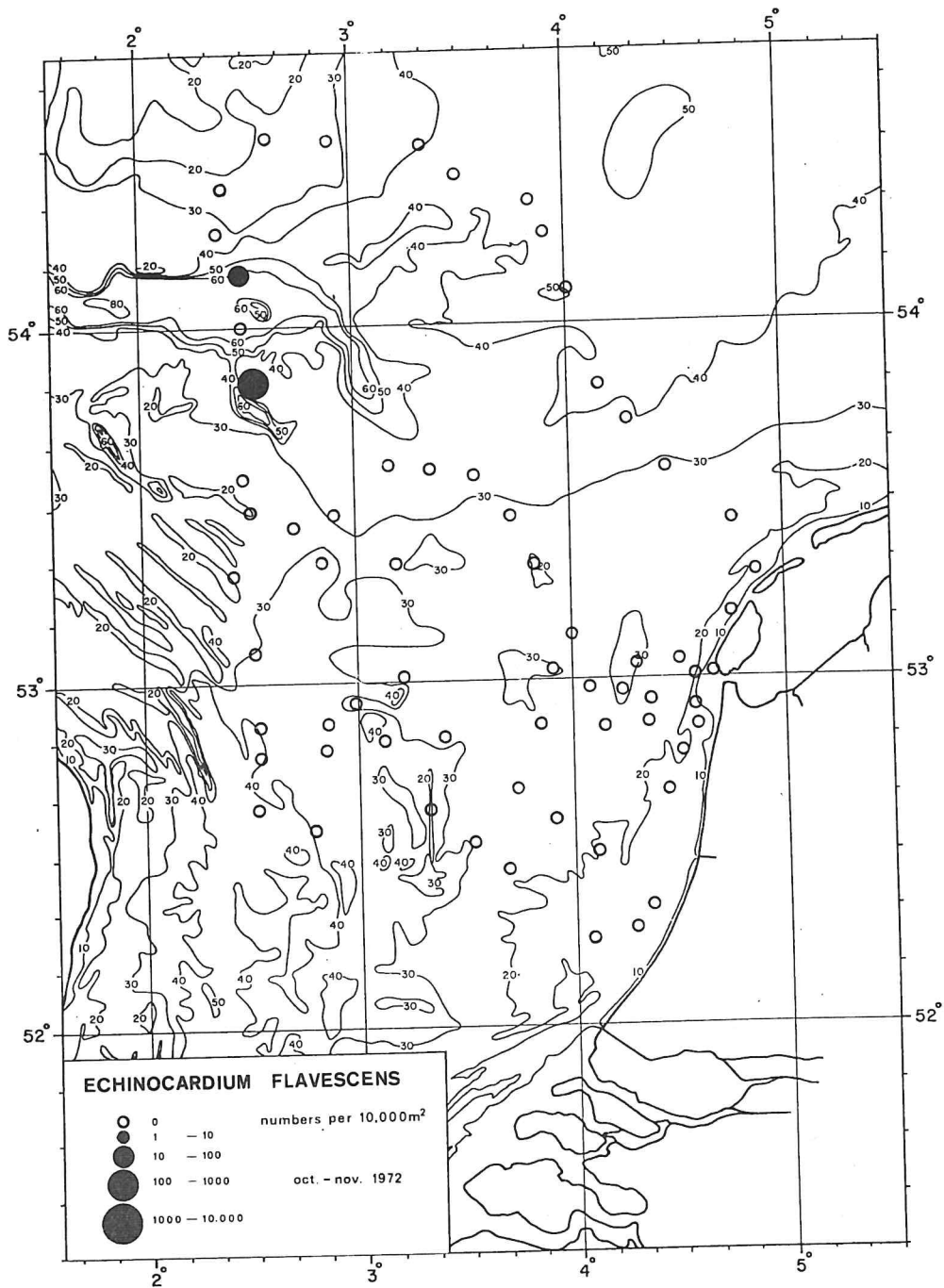


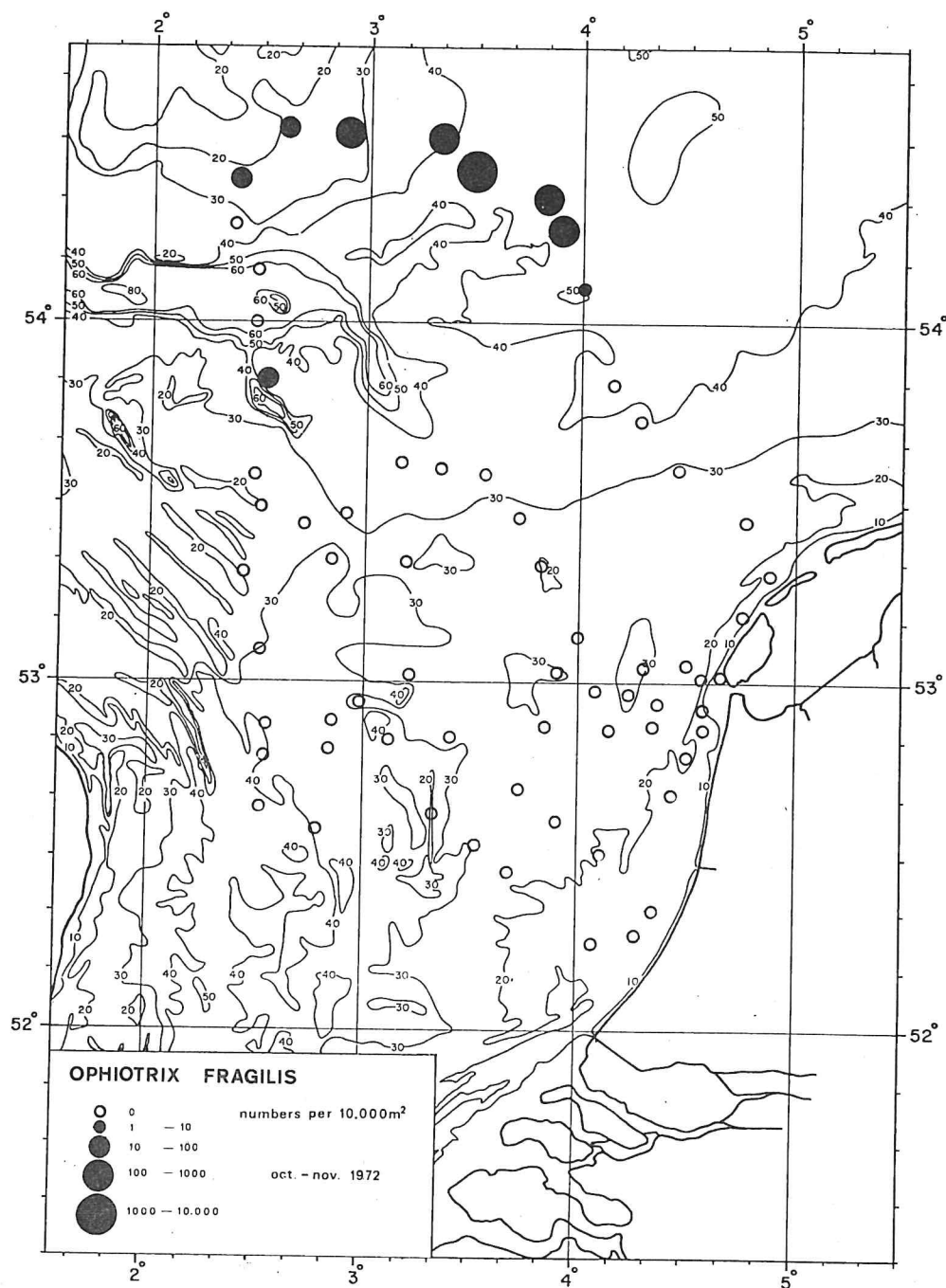


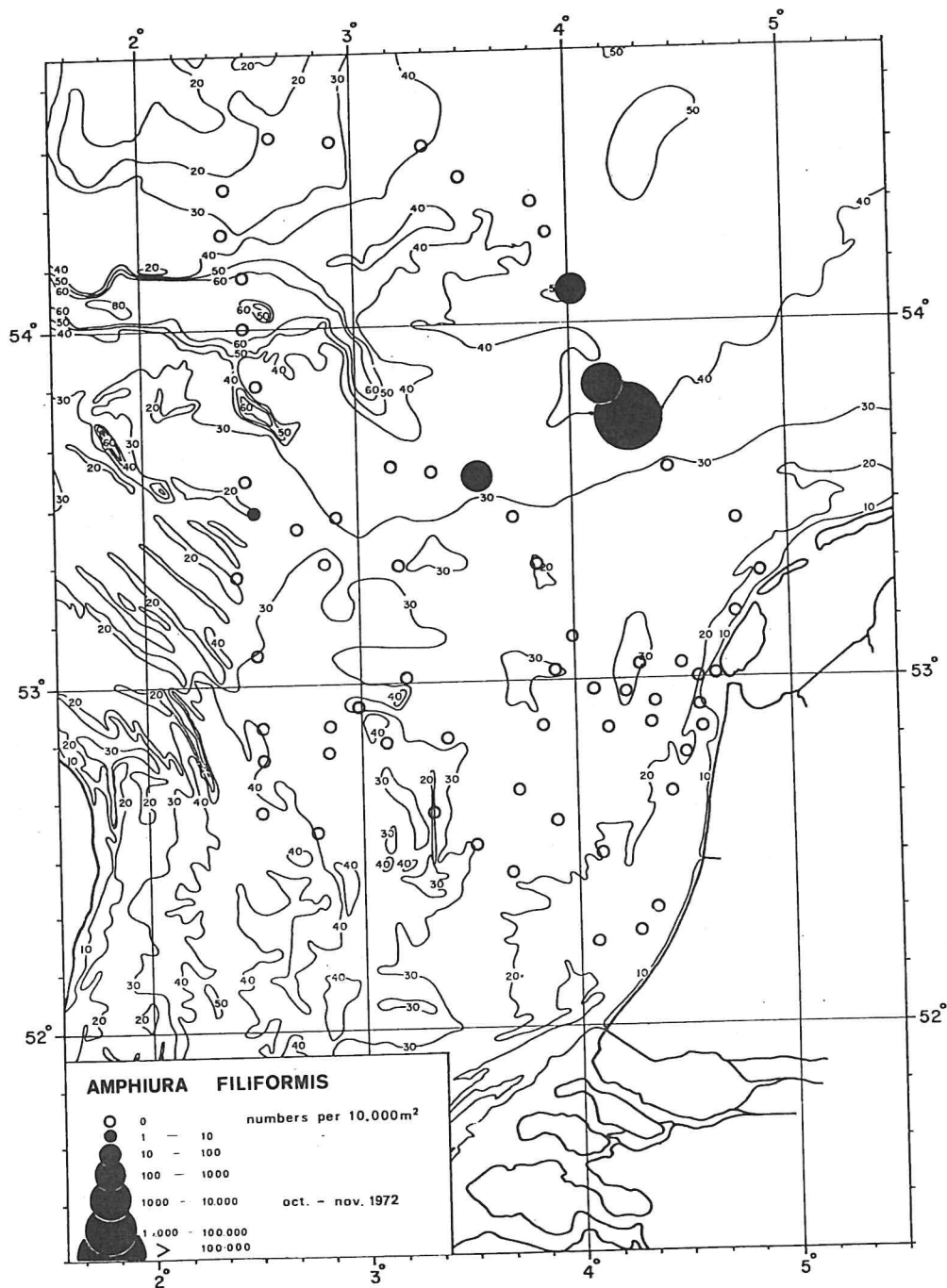


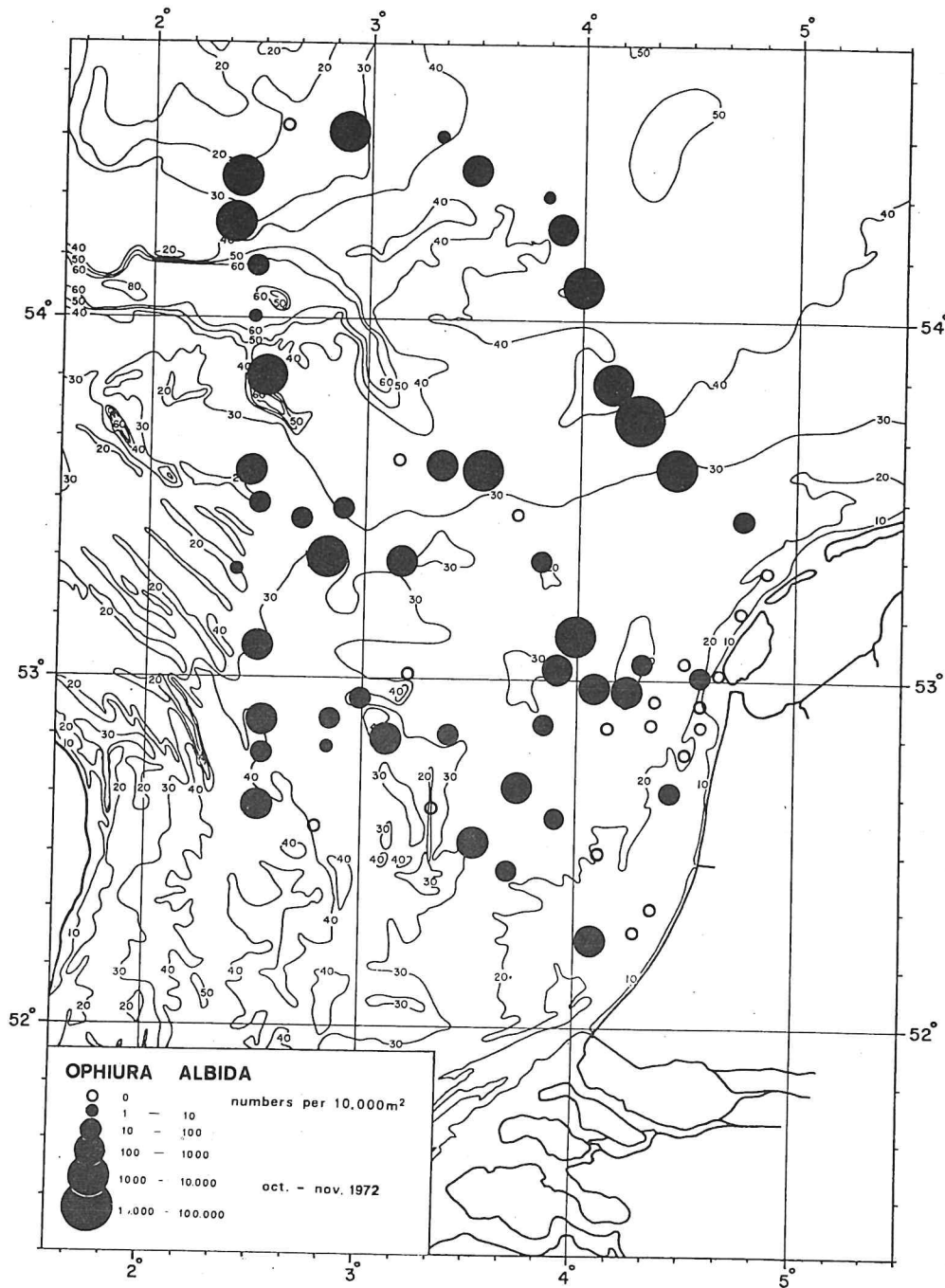


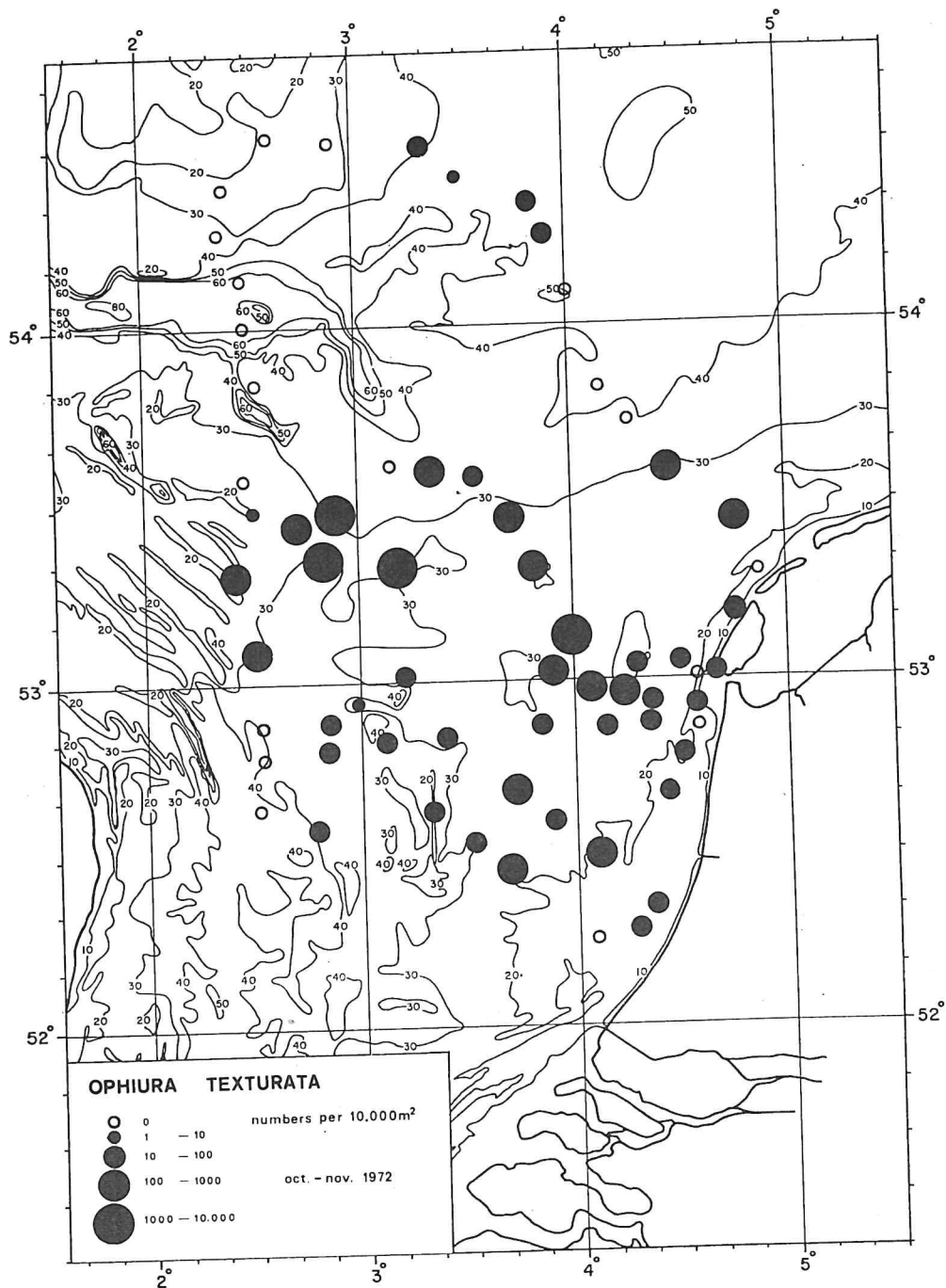


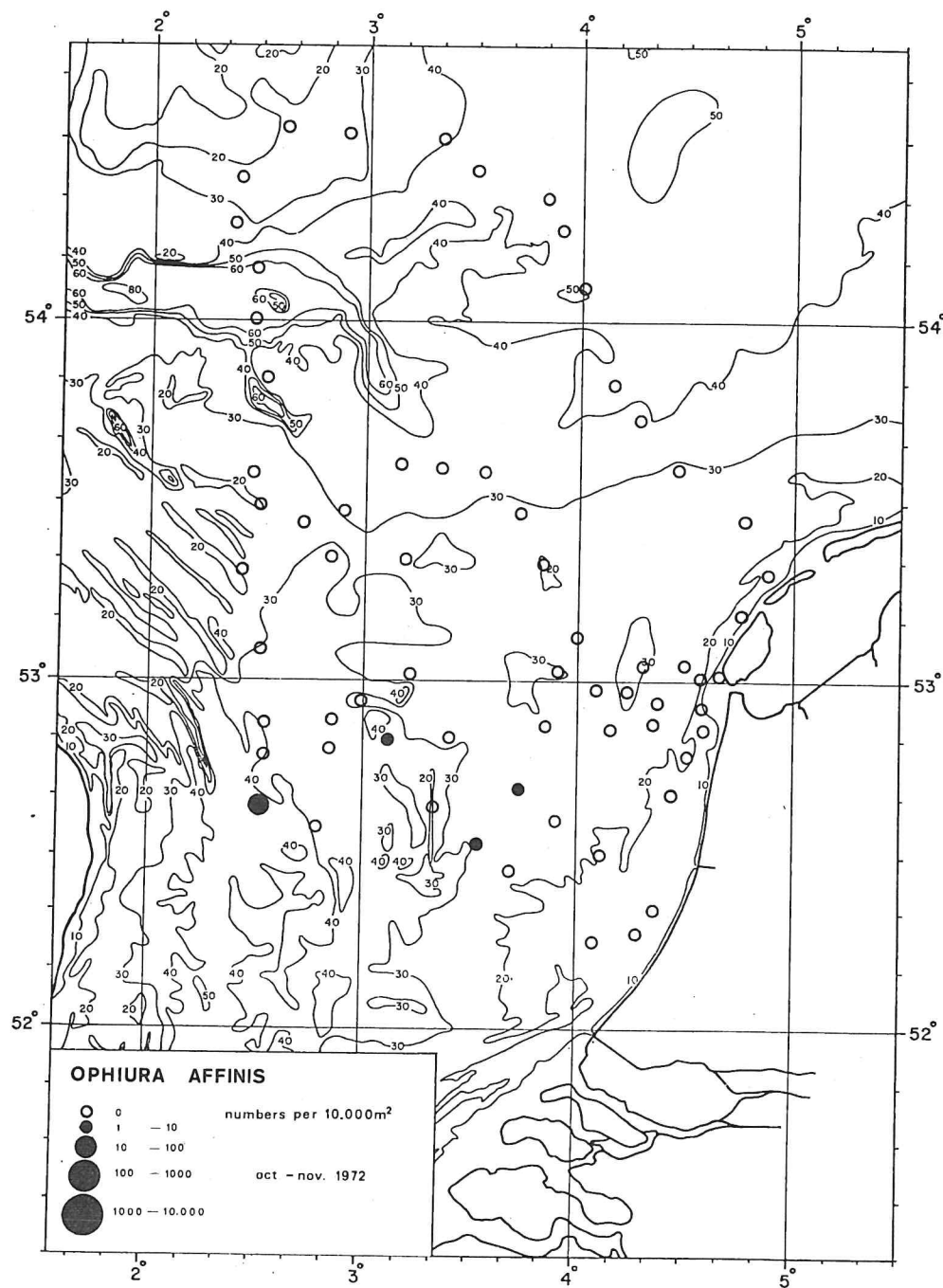


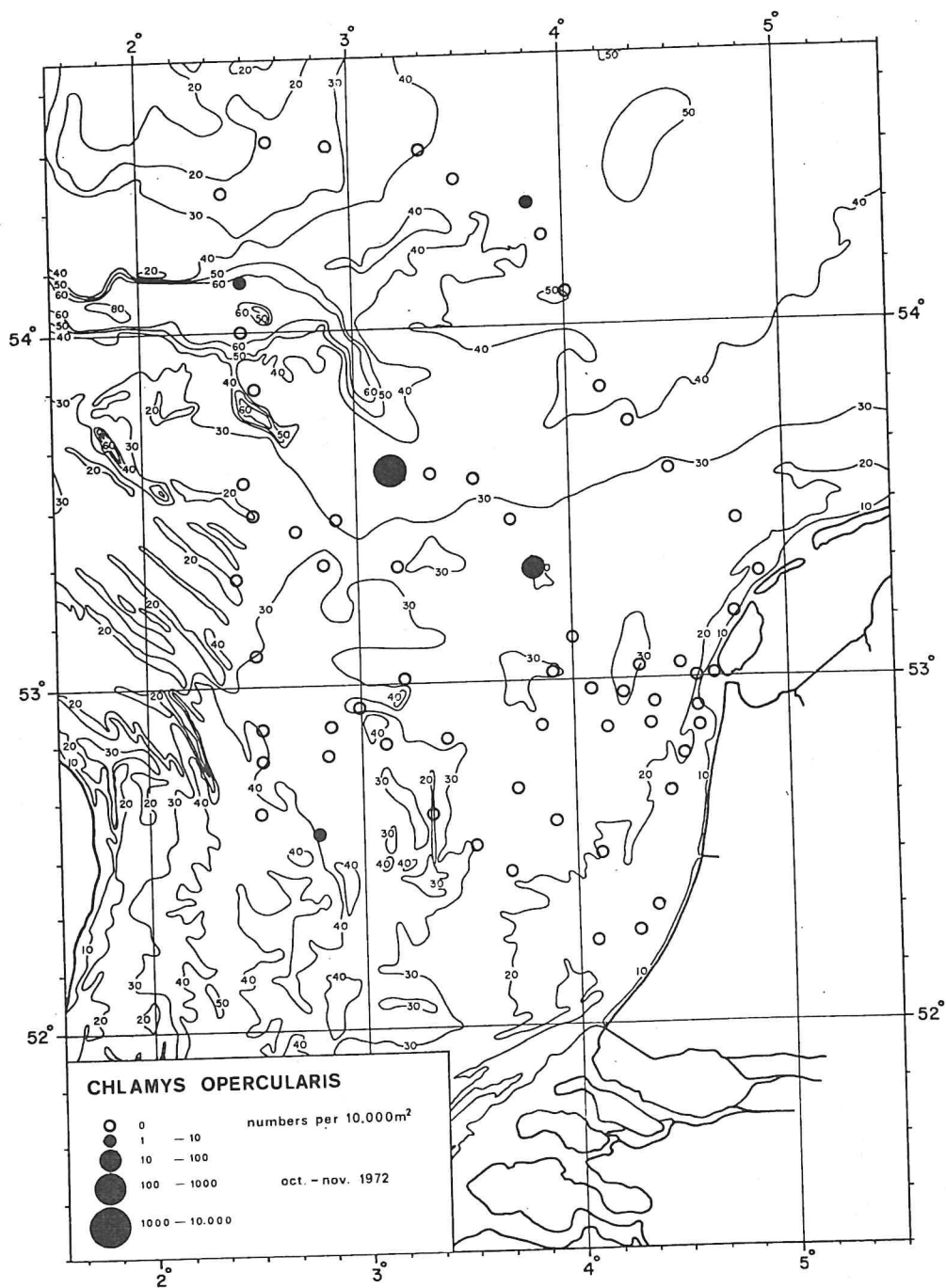


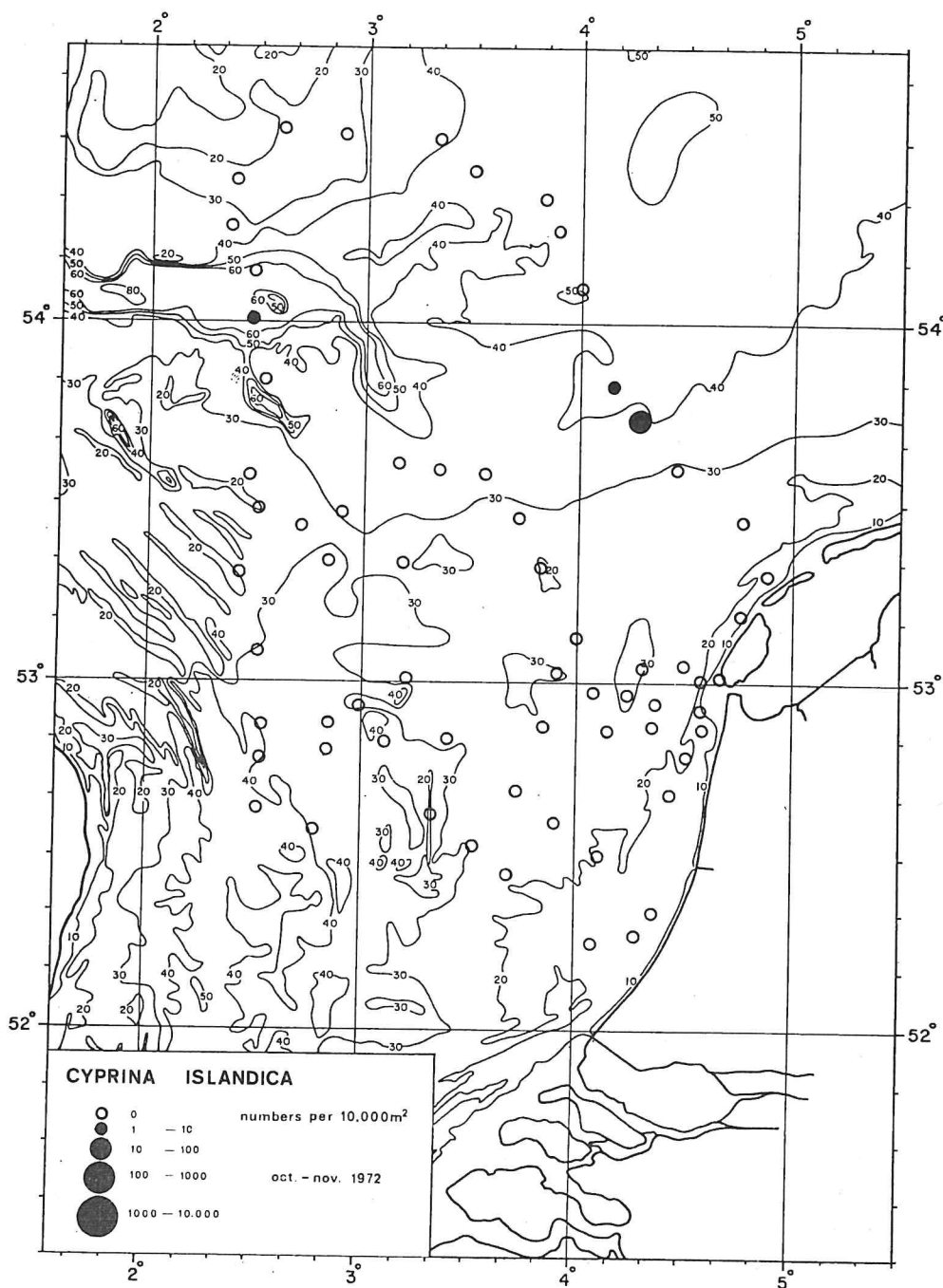




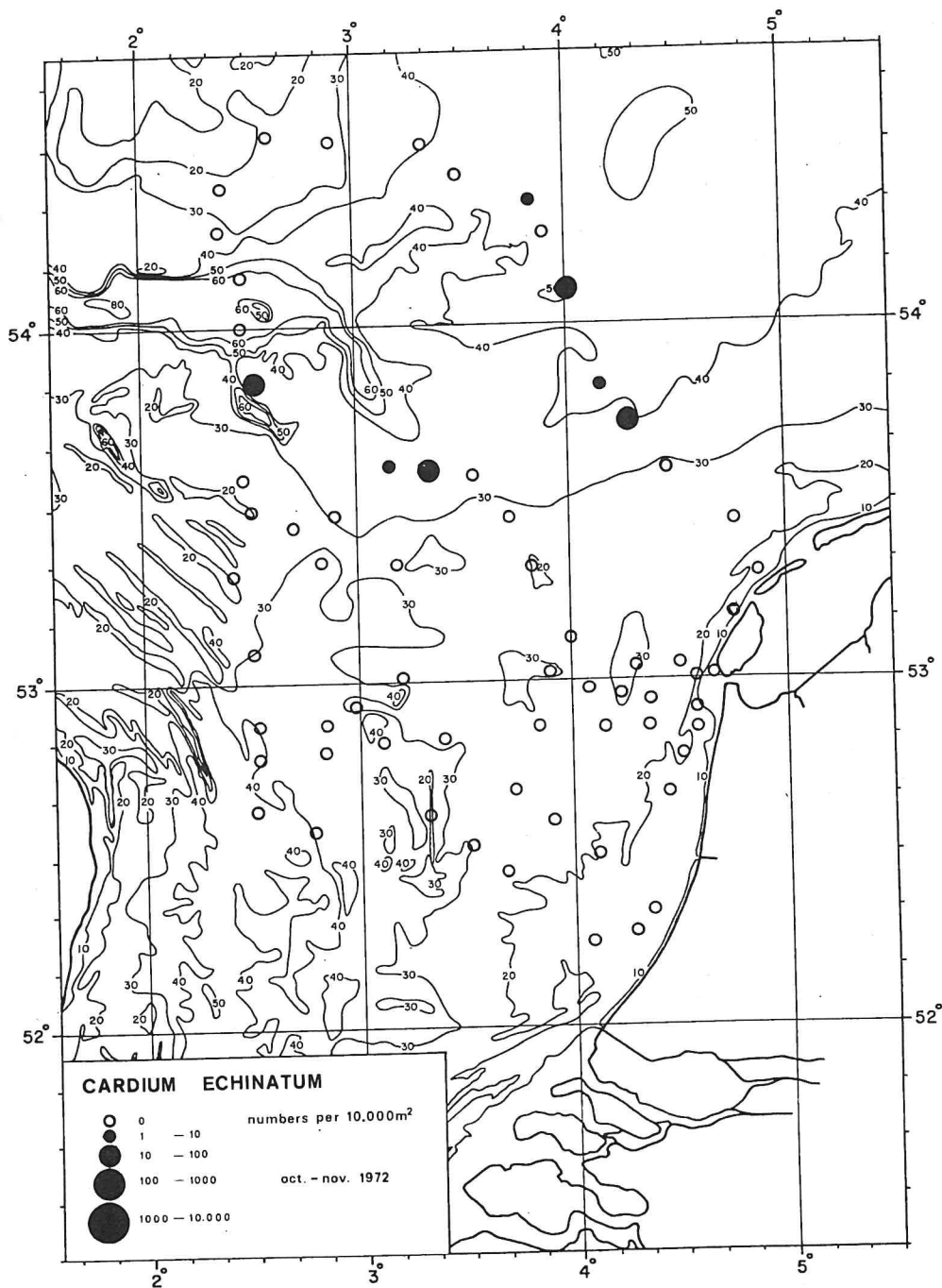




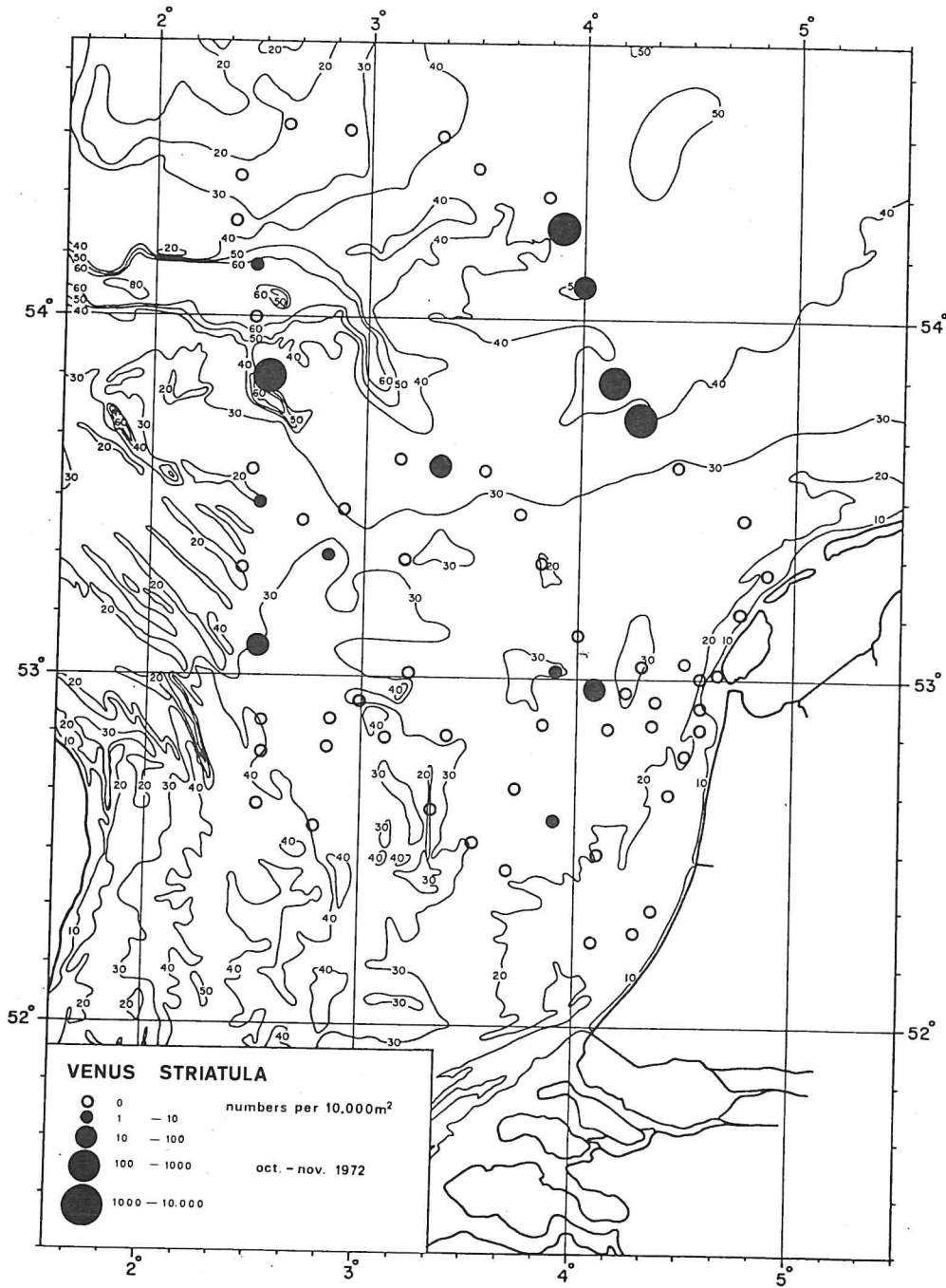




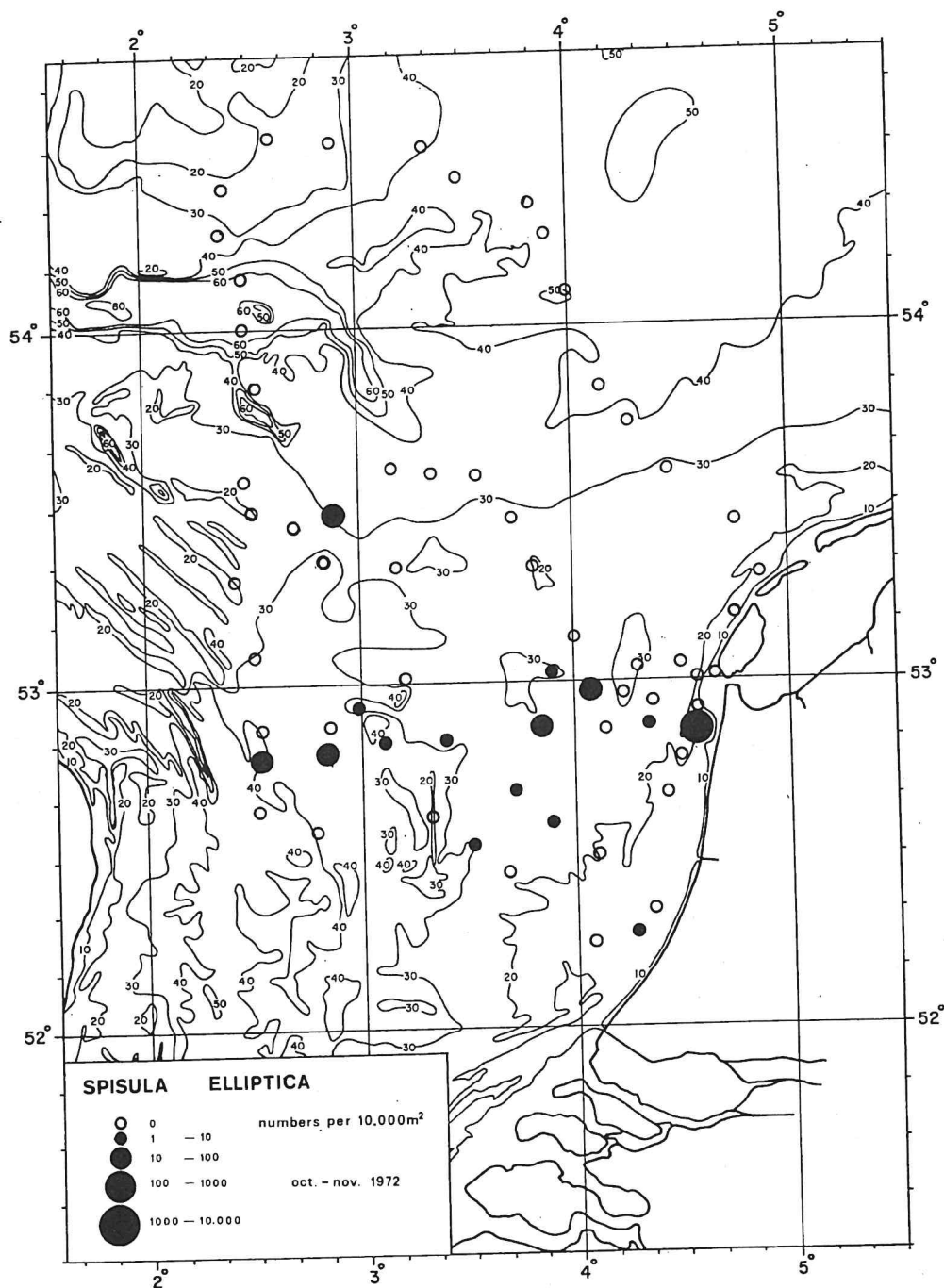
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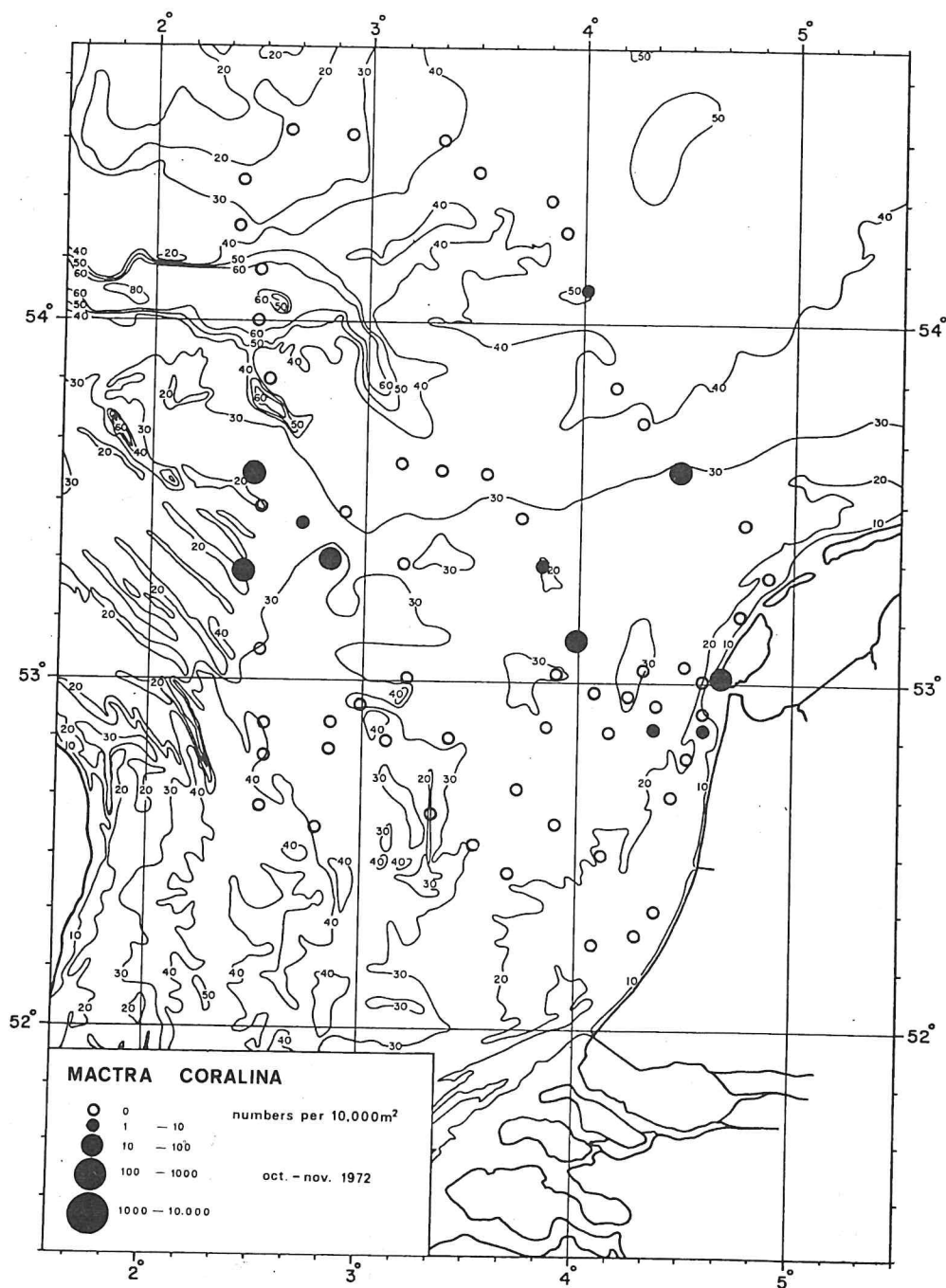
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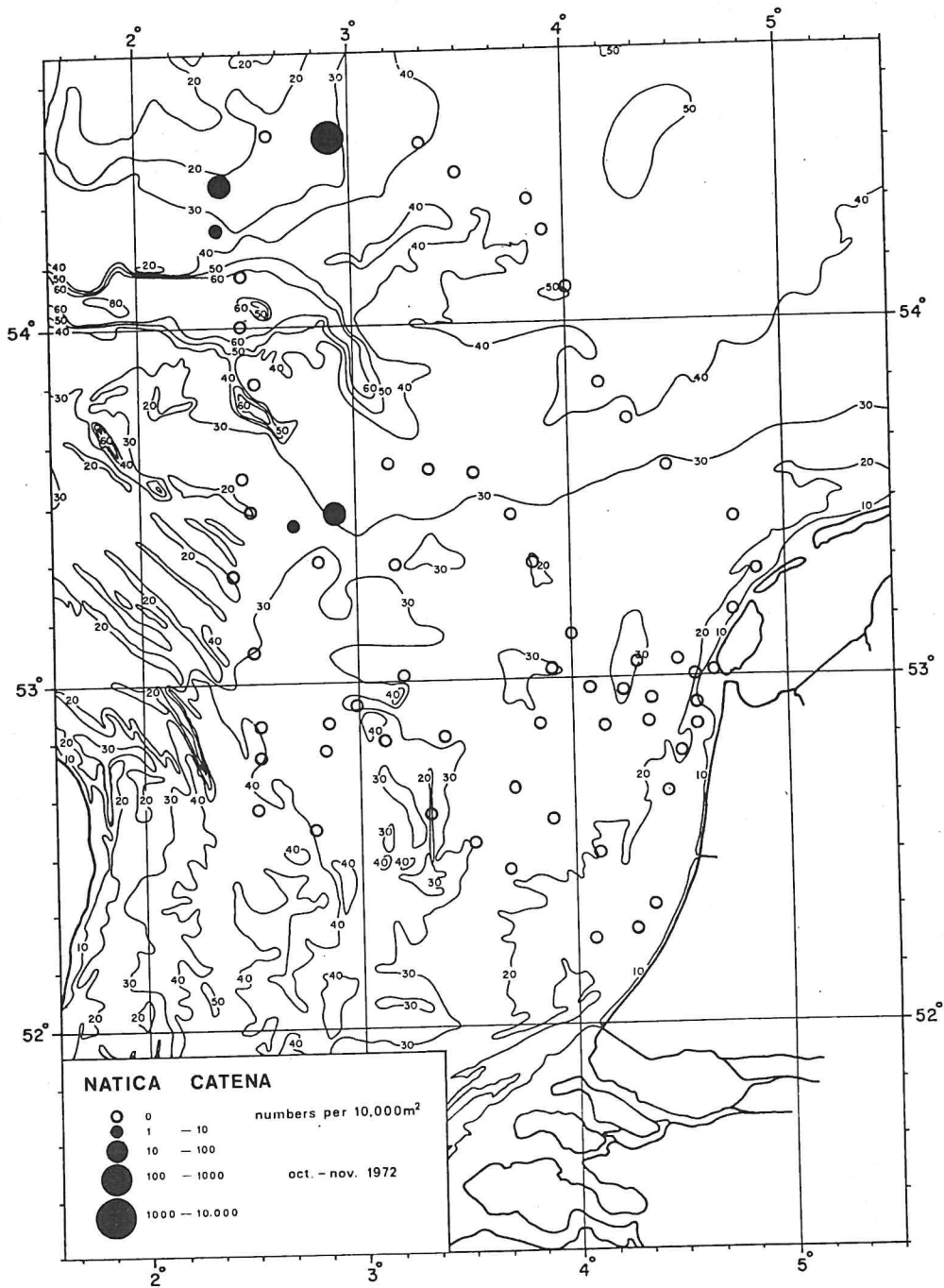


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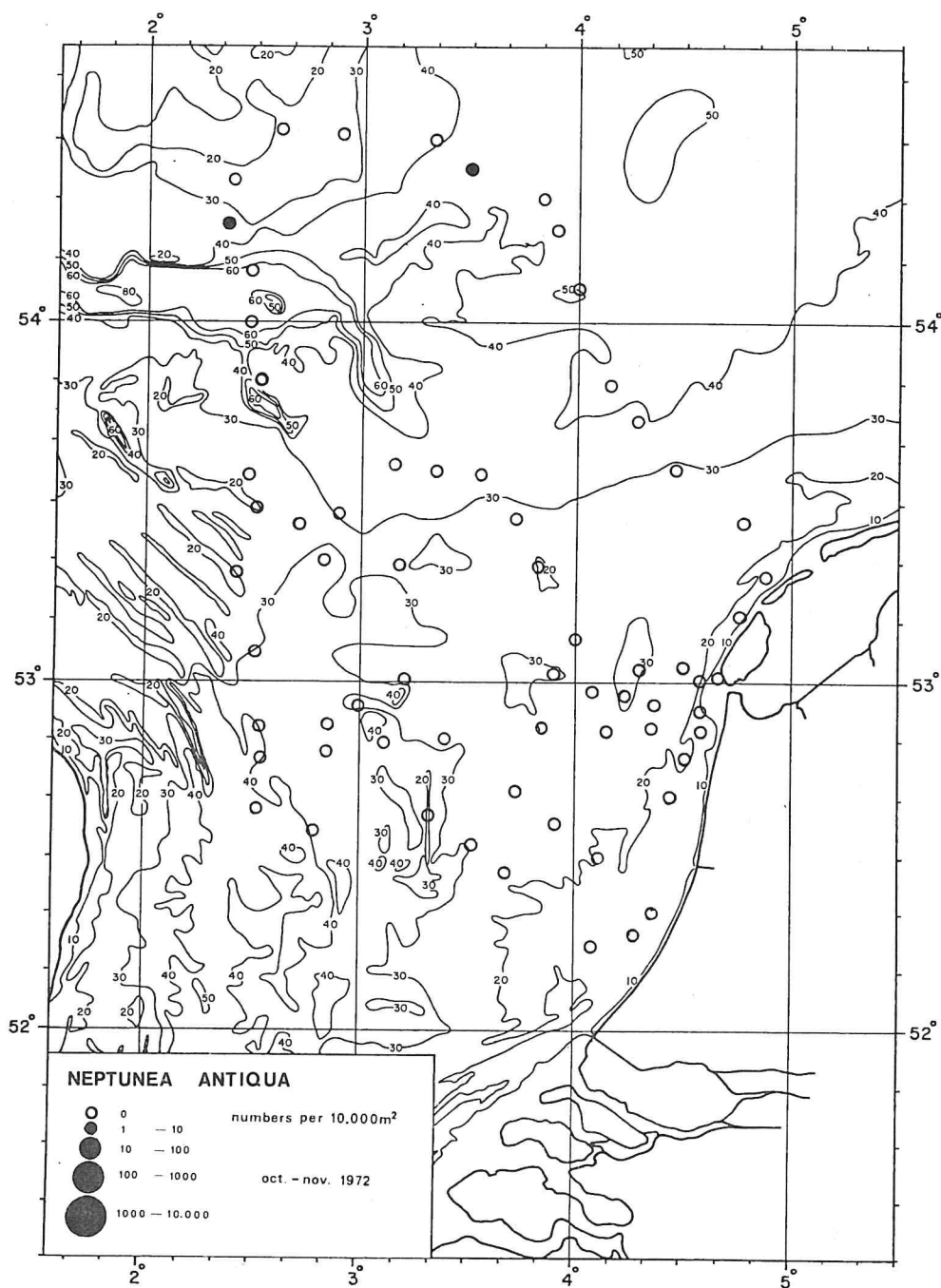


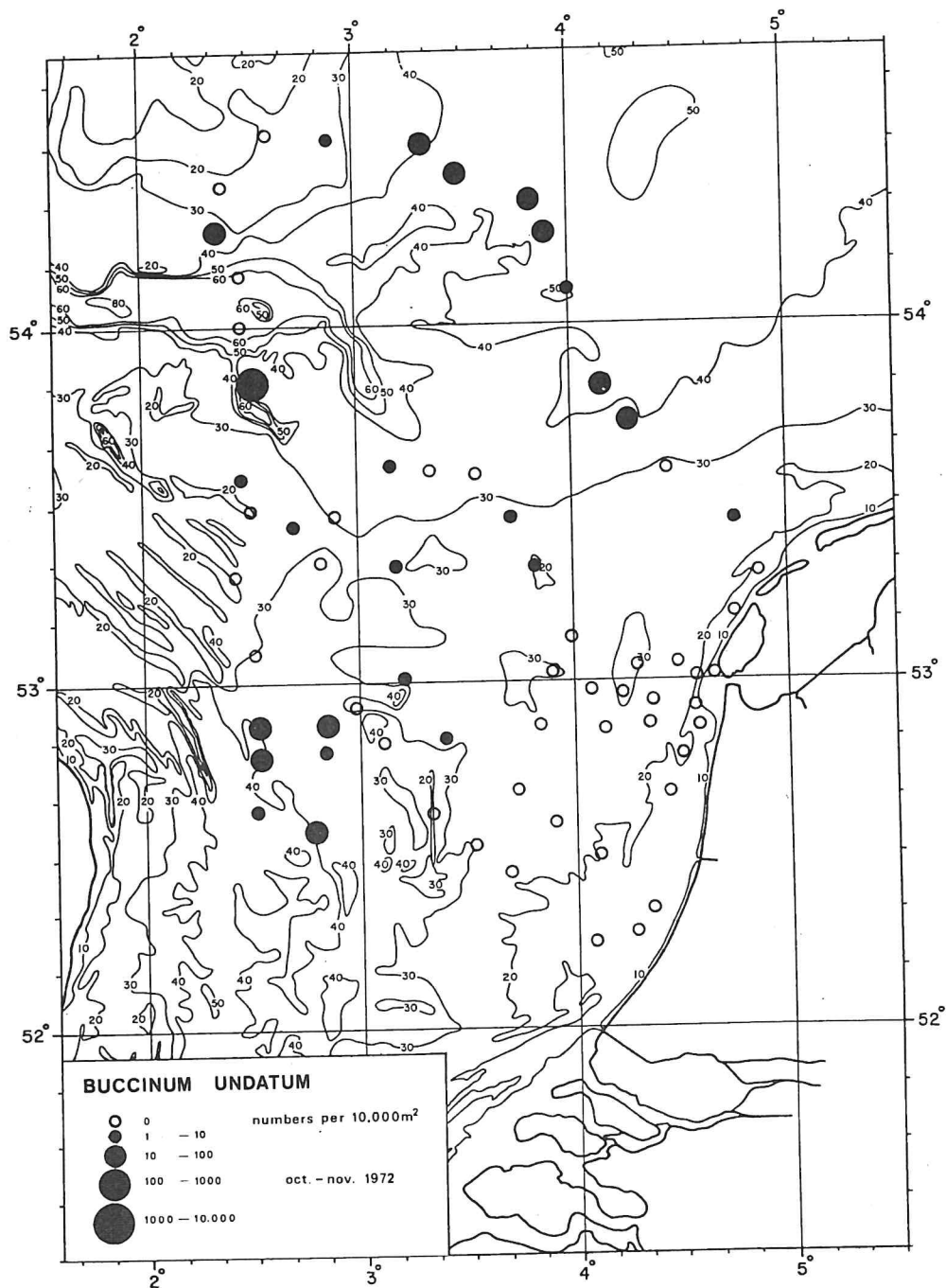
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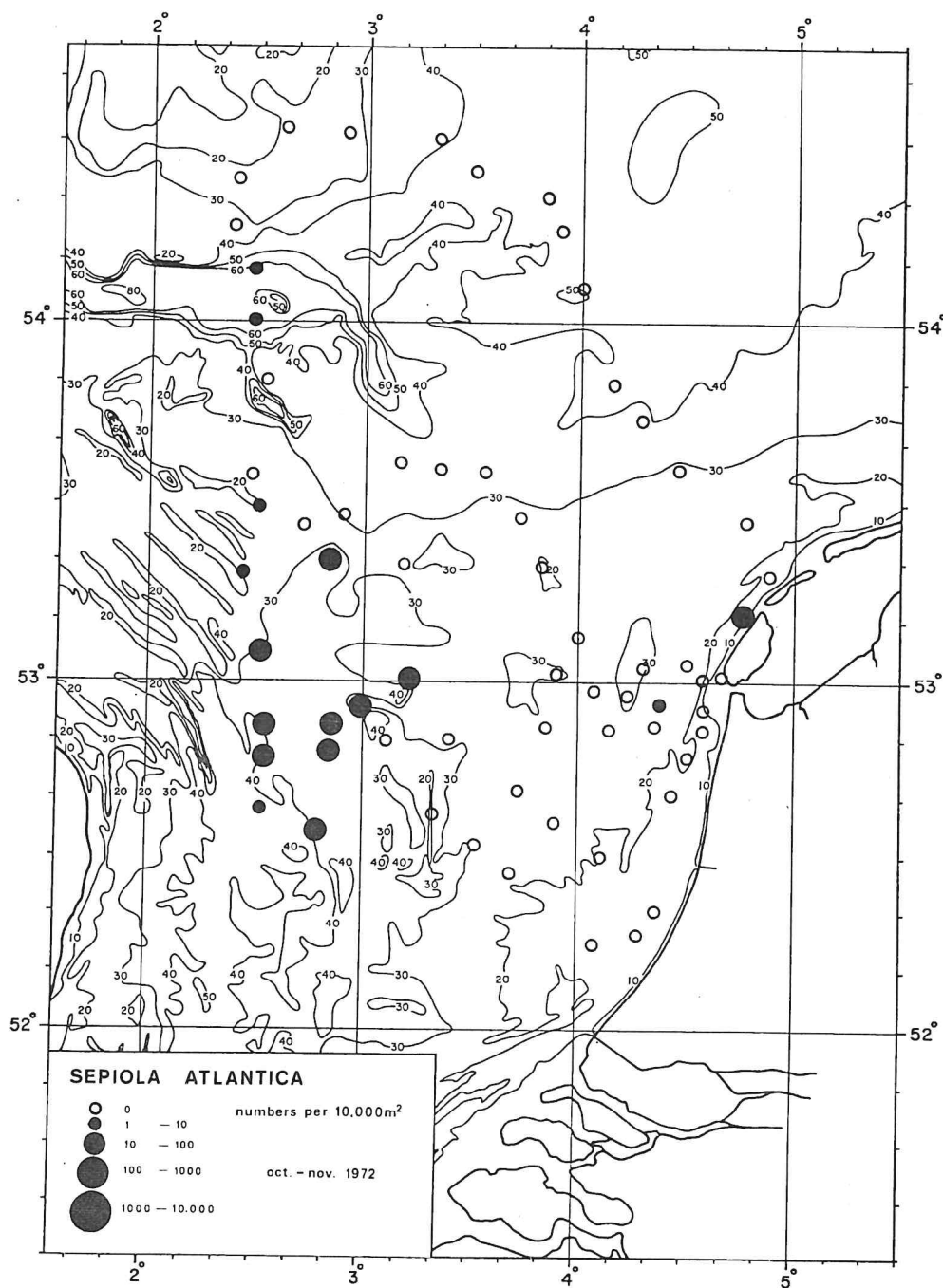


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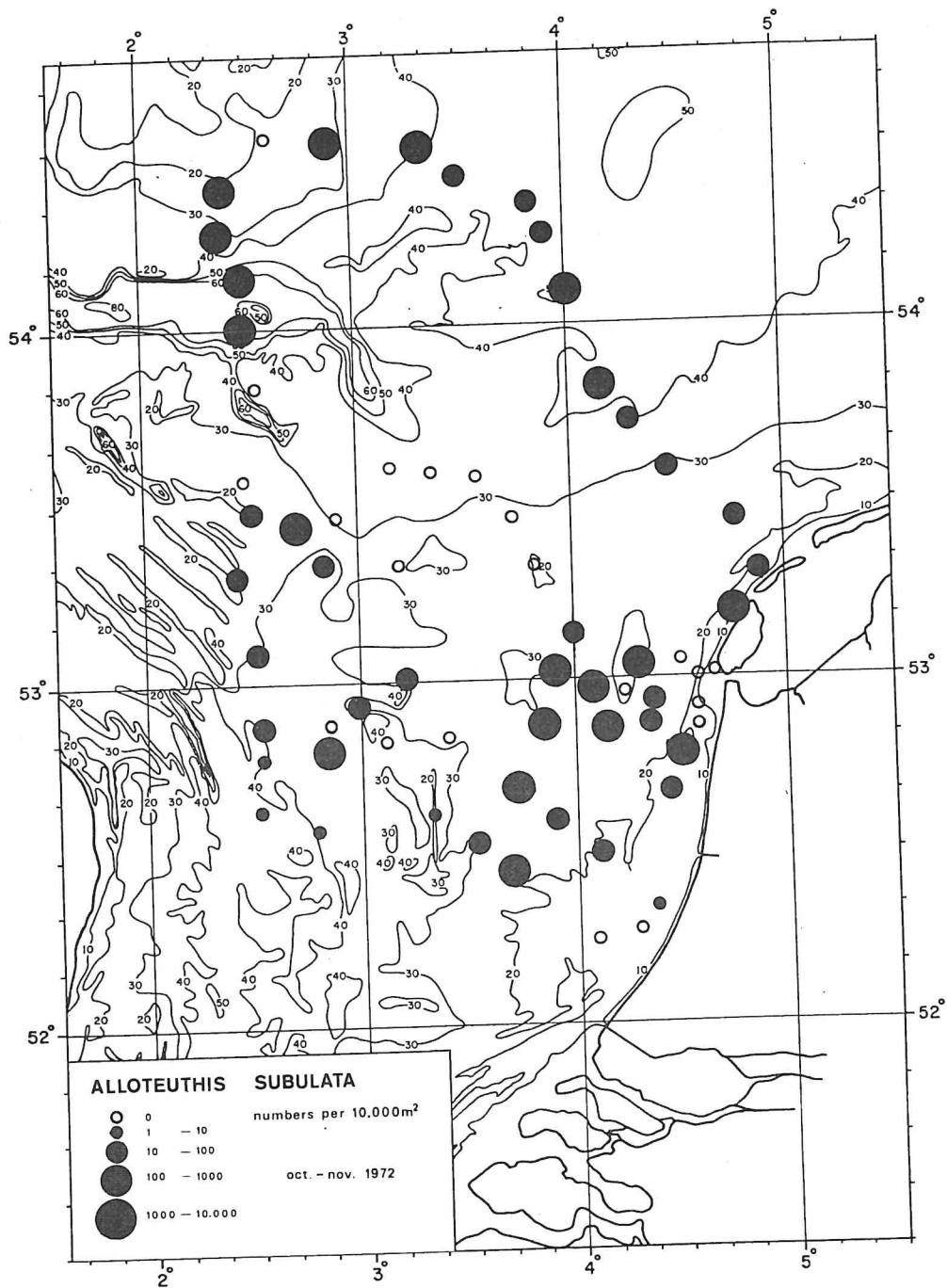




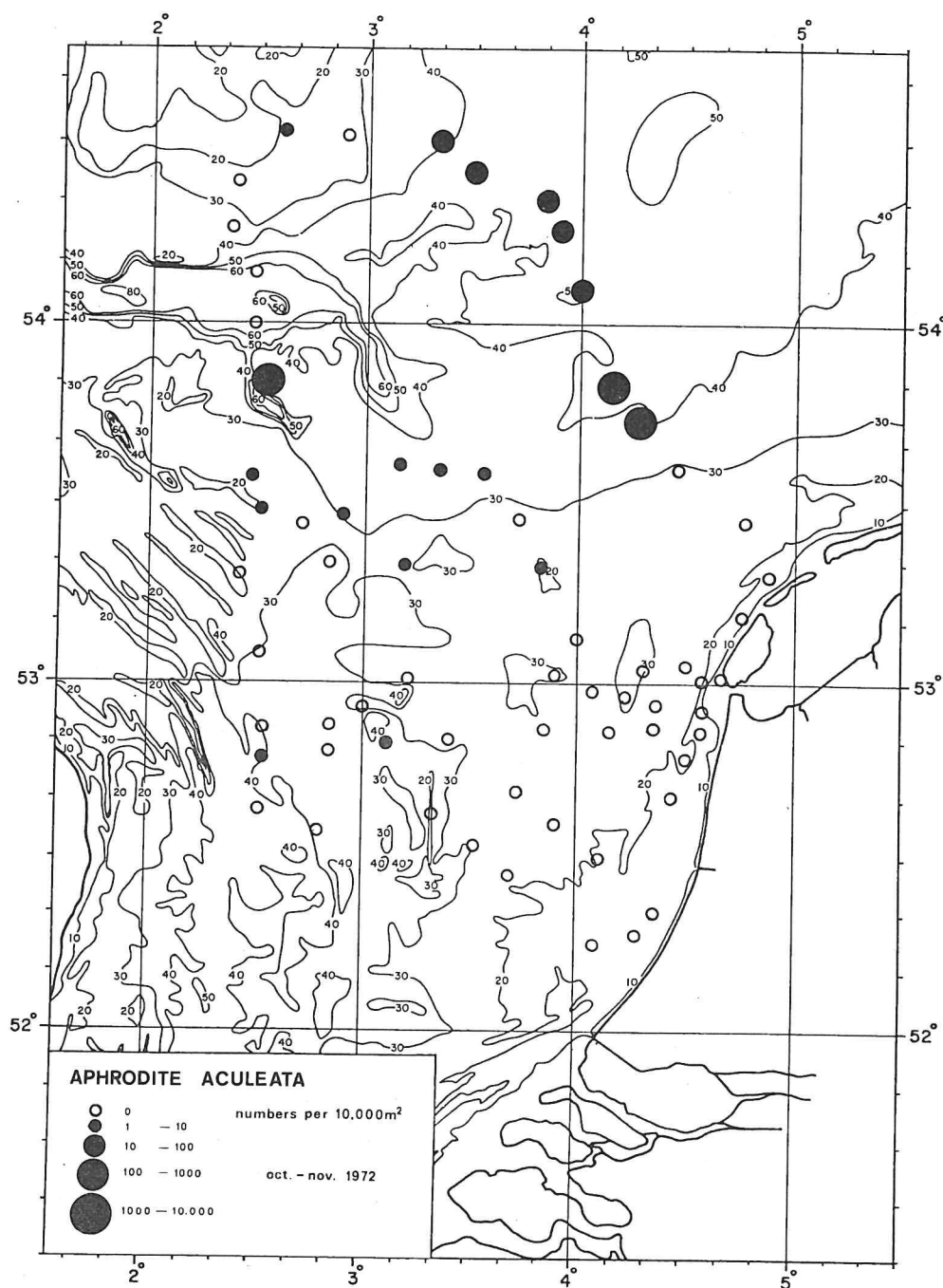
402



404



502



SPRATTUS SPRATTUS NR 004
LENGTH DISTRIBUTION IN 1.0 CM

-	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
175	-	-	-	-	-	-	-	1	-	2	6	4	2	1	-
176	-	-	-	-	-	-	-	-	-	-	1	2	4	1	-
177	-	-	-	-	-	-	-	-	-	-	-	5	15	7	1
178	-	-	-	-	-	-	-	-	-	-	-	-	3	2	1
192	-	-	-	-	-	-	-	-	-	-	6	2	-	-	-
193	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
195	-	-	-	-	-	-	-	-	-	2	2	2	2	1	-
198	-	-	-	-	-	-	-	-	-	-	-	2	1	1	-
202	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
204	-	-	-	-	-	-	-	-	-	-	-	1	2	1	-
206	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1
210	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
230	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
231	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-

MERLANGIUS MERLANGUS NR 010
LENGTH DISTRIBUTION 1.0 CM

[illegible]

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
194	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
199	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	2	3	1	1	1	1	2	-	-	-	1	-	3	-	-	1	2	-	1	-	-
204	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
207	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209	-	-	-	1	-	-	-	2	2	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
211	-	-	-	-	-	-	1	3	3	3	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
212	-	-	-	-	-	-	-	1	1	1	4	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-
213	-	-	-	-	-	-	-	1	1	1	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
214	-	-	-	-	-	-	-	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
219	-	-	-	-	-	-	-	1	1	1	1	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-
220	-	-	-	-	-	-	-	-	-	1	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
221	-	-	-	-	-	1	-	-	-	3	2	2	3	1	-	-	-	-	-	-	-	-	-	-	-	-
225	-	-	-	-	-	-	-	-	3	2	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
226	-	-	-	-	-	-	1	1	1	1	2	7	1	3	2	2	5	6	1	1	1	1	-	-	-	-
227	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
229	-	-	-	-	-	-	-	-	-	-	-	3	2	-	-	1	-	-	-	-	-	-	-	-	-	-
230	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
231	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
232	-	-	-	1	2	1	-	-	-	-	2	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-
235	-	-	-	-	-	-	1	1	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
236	-	-	-	-	1	2	8	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
237	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
239	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	3	6	7	13	10	15	15	28	19	19	3	8	5	2	9	7	2	2	3	-	1	-	1

TRISOPTERUS MINUTUS NR 013
LENGTH DISTRIBUTION IN 1.0 CM

	-	1	2	3	4	5	6	7	8	9	10	11	12	13
176	-	-	-	-	-	-	-	-	1	1	-	1	-	-
179	-	-	-	-	-	-	-	1	1	1	1	3	2	3
180	-	-	-	-	-	-	4	3	2	1	1	1	1	-
181	-	-	-	-	-	-	-	3	1	2	2	-	-	-
195	-	-	-	-	-	-	-	-	-	-	-	-	-	1
197	-	-	-	-	1	-	1	-	-	-	-	-	-	-
198	-	-	-	-	-	-	-	1	-	1	-	-	-	-
199	-	-	-	-	-	-	-	1	1	1	-	-	-	-
201	-	-	-	-	-	1	2	1	3	-	2	1	-	-
202	-	-	-	-	-	-	1	1	-	-	-	-	-	-
211	-	-	-	-	-	-	-	-	1	1	-	-	-	-
-	-	-	-	-	1	-	6	10	9	11	5	7	4	4

RHINONEMUS CIMBERIUS NR 020		LENGTH DISTRIBUTION IN 1.0 CM																											
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
180	-	-	-	-	-	-	-	-	7	9	5	1	1	1	-	1	2	2	1	2	1	3	1	-	1	-	-	-	-
181	-	-	-	-	-	-	-	-	1	2	1	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-
182	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
183	-	-	-	-	-	-	-	-	1	9	4	2	3	3	-	-	1	2	3	4	2	2	3	1	1	1	1	1	1
192	-	-	-	-	-	-	-	-	7	10	7	8	2	1	-	-	-	-	2	2	3	2	3	-	3	-	-	-	-
193	-	-	-	1	2	-	4	4	1	1	1	4	4	4	4	-	1	-	1	1	1	2	-	1	-	-	-	-	-
194	-	-	-	-	-	-	-	1	1	1	1	1	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
199	-	-	-	-	-	-	-	1	1	1	1	-	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	2	1	-	-	-	-	-	-	-	-
230	-	-	-	-	-	-	-	-	1	-	1	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	1	2	-	9	28	27	19	20	16	6	7	1	4	4	8	13	8	9	5	4	3	1	1	1	1	1

SYNGNATHUS ROSTELLATUS NR. 025		LENGTH DISTRIBUTION IN 1.0 CM																			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
176		-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
178		-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
179		-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
196		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
197		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
201		-	-	-	-	-	-	-	2	-	-	2	-	-	-	-	-	-	-	-	-
203		-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
205		-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-
206		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
210		-	-	-	-	-	-	2	-	1	1	-	-	-	-	-	-	-	-	-	-
211		-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
216		-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-
219		-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	1	1	-	-
220		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
221		-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
222		-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
223		-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
226		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
227		-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
229		-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-
232		-	-	-	-	-	-	-	-	-	1	-	2	-	-	-	-	-	-	-	-
233		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	-	-	-
234		-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
239		-	-	-	-	-	-	1	-	2	-	1	-	-	-	-	-	-	-	-	-
242		-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-

TRACHURUS TRACHURUS NR 028
LENGTH DISTRIBUTION IN 1.0 CM

-	1	2	3	4	5	6	7	8	9	10	11	12
176	-	-	-	-	-	1	1	-	-	-	-	-
177	-	-	-	-	1	-	-	-	-	-	-	-
179	-	-	-	-	-	-	-	1	2	-	-	-
182	-	-	-	-	-	1	-	-	-	-	-	-
185	-	-	-	-	-	1	-	-	-	-	-	-
195	-	-	-	-	-	-	-	-	-	1	-	-
196	-	-	-	-	-	-	-	-	1	2	-	-
197	-	-	-	-	-	-	-	-	-	1	-	-
201	-	-	-	-	-	1	1	16	15	15	1	-
202	-	-	-	-	-	-	-	-	-	1	1	-
206	-	-	-	-	-	-	1	1	-	-	-	-
207	-	-	-	-	2	-	-	-	2	-	-	-
208	-	-	-	-	-	-	-	1	-	-	-	-
210	-	-	-	-	-	-	-	1	-	-	-	-
211	-	-	-	-	-	1	1	-	-	-	-	-
216	-	-	-	-	-	-	2	2	6	2	2	-
217	-	-	-	-	-	-	1	-	-	1	2	-
220	-	-	-	-	-	1	-	-	-	-	-	-
224	-	-	-	-	-	1	-	-	2	-	-	-
225	-	-	-	1	-	-	-	-	-	-	-	-
226	-	-	-	-	1	-	-	-	-	-	-	-
232	-	-	-	-	-	-	-	-	-	1	-	-
234	-	-	-	1	-	-	-	-	3	1	-	-
235	-	-	-	-	-	-	1	-	3	-	-	-
237	-	-	-	-	-	-	-	-	1	-	-	-
238	-	-	-	-	-	-	-	3	1	-	1	-
239	-	-	-	-	-	-	2	3	15	3	3	1
240	-	-	-	-	-	-	-	2	3	-	-	-
-	-	-	-	2	4	7	10	30	54	28	10	1

TRACHINUS VIPERA NR 030
LENGTH DISTRIBUTION IN 1.0 CM

-	1	2	3	4	5	6	7	8	9	10	11	12	13	14
177	-	-	-	6	2	-	-	-	-	-	-	1	-	-
178	-	-	-	-	-	-	-	-	1	2	-	1	-	-
188	-	-	-	-	-	-	-	-	-	-	3	1	1	-
196	-	-	3	-	-	7	16	2	2	10	16	8	3	1
197	-	-	-	-	-	-	-	-	-	1	-	2	-	-
202	-	-	-	-	-	-	-	-	-	-	-	-	-	1
206	-	-	-	-	-	-	-	-	-	-	1	2	1	1
207	-	-	-	-	-	-	-	-	-	-	-	2	3	1
208	-	-	-	-	-	-	-	-	-	1	1	1	1	-
209	-	-	-	-	-	10	2	3	7	2	4	4	2	-
210	-	-	-	-	-	2	3	-	1	3	2	2	-	-
211	-	-	-	-	-	-	1	1	3	1	3	3	-	-
213	-	-	-	-	-	-	-	-	1	2	3	-	-	-
214	-	-	-	-	1	6	22	2	7	10	9	-	-	-
215	-	-	-	-	72	744	144	36	48	36	-	-	-	-
216	-	-	-	-	3	12	7	2	6	15	20	11	2	-
217	-	-	-	-	-	-	2	-	-	3	12	3	2	-
222	-	-	1	-	-	-	-	-	-	-	-	-	-	-
223	-	-	-	-	-	-	-	-	-	1	4	2	1	2
224	-	-	-	-	-	-	1	1	-	6	13	11	3	-
225	-	-	-	1	-	-	-	-	-	-	-	-	-	-
232	-	-	-	-	-	-	-	-	-	-	2	1	-	-
233	-	-	9	1	-	8	18	1	5	11	15	5	2	-
234	-	-	-	-	-	2	7	-	2	4	7	1	2	-
235	-	-	-	-	-	-	1	3	10	10	9	9	3	-
236	-	-	-	-	-	-	-	-	1	10	5	-	-	-
237	-	-	-	-	-	3	1	1	7	19	12	8	2	-
238	-	2	4	-	-	2	12	4	6	6	6	10	1	-
239	-	1	1	-	-	-	-	-	2	-	1	4	-	-
240	-	-	-	-	-	1	-	-	-	-	3	1	1	-
242	-	-	2	-	-	-	-	-	-	1	-	-	-	-
-	-	3	20	8	78	797	237	56	109	154	151	93	30	6

CALLIONYMUS LYRA NR 036
LENGTH DISTRIBUTION IN 1.0 CM

	-	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
175	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
176	-	-	-	-	-	-	6	8	-	-	-	1	-	-	-	-	3	-	3	-	-	-	-	-
177	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	3	-	3	-	-	-	-	-
178	-	-	-	1	-	-	-	-	-	-	-	-	2	1	-	1	1	-	1	1	1	2	-	-
179	-	-	-	-	-	-	-	1	2	-	-	5	15	18	22	9	6	3	2	2	1	-	-	-
180	-	-	-	-	-	-	-	-	-	4	9	10	19	7	10	4	4	1	2	1	-	-	-	-
181	-	-	-	-	-	-	-	-	-	5	7	8	17	20	9	5	3	-	-	-	1	-	-	-
182	-	-	-	-	-	-	-	-	-	-	-	2	5	-	3	5	-	-	-	-	-	-	-	-
183	-	-	-	-	-	-	-	-	-	-	1	4	6	4	4	1	1	-	-	-	-	-	-	-
184	-	-	-	-	-	-	-	-	-	-	-	3	6	7	3	1	2	1	1	1	-	-	-	-
185	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
186	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	-	1	-	-	-	-	-	-	-
187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	2	1	1	1	-	1	-	-
188	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	7	3	1	2	2	-	1	-	-
190	-	-	-	-	-	-	1	-	-	-	-	-	-	1	4	4	4	2	3	2	1	1	-	-
191	-	-	-	-	-	4	3	-	-	-	1	1	7	13	3	2	1	1	2	-	-	-	-	-
192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
193	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
194	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	2	-	-	-	-	-	-	-	-
195	-	-	-	-	-	2	4	5	7	9	3	-	5	4	4	1	-	2	-	1	-	-	-	-
196	-	-	-	1	-	1	1	1	4	4	1	1	-	1	1	1	3	1	1	2	1	2	1	-
197	-	-	-	-	-	-	1	-	-	-	-	-	6	3	2	5	2	2	2	-	-	-	-	-
198	-	-	-	-	-	-	-	-	-	-	-	1	3	5	7	9	6	5	-	-	1	-	-	-
199	-	-	-	-	-	-	-	-	-	-	-	-	1	2	4	2	3	1	-	-	-	-	-	-
200	-	-	-	-	1	-	-	-	-	-	-	-	1	6	19	22	12	8	4	-	-	-	-	-
201	-	-	-	-	-	-	-	-	1	-	-	-	2	2	5	3	-	1	-	-	-	-	-	-
202	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	-	-	-	-	-	-	-	-	-	1	-	-	1	3	3	5	3	2	3	-	-	-	-	-
204	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1	-	1	-	1	-	-	-	-	-
205	-	-	-	-	-	2	7	1	1	1	1	1	-	-	-	1	1	-	1	-	-	-	-	-
206	-	-	-	4	1	1	-	-	-	-	-	-	-	-	-	2	1	1	-	1	-	-	-	-
207	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2	6	1	-	-	1	-	-	-
208	-	-	-	-	-	-	-	1	1	-	-	-	1	-	3	6	2	1	-	-	-	-	-	-
209	-	-	-	1	-	-	-	-	-	1	1	1	4	6	-	5	1	1	-	1	-	-	-	-
210	-	-	-	3	6	4	2	-	-	-	-	-	-	5	1	3	-	-	-	-	-	-	-	-
211	-	-	2	5	8	5	1	1	-	-	-	-	-	3	3	1	-	-	-	-	-	-	-	-
212	-	-	4	2	3	3	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
213	-	-	4	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
214	-	-	4	5	2	1	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-
215	-	-	2	2	1	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
216	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
217	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-
219	-	-	-	-	-	-	3	1	6	3	1	2	3	1	4	3	-	-	-	-	1	-	-	-
220	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	1	1	1	2	-	-	1	-	-
221	-	-	-	-	-	-	2	2	1	2	1	-	2	8	1	3	4	2	-	-	-	-	1	-
222	-	-	-	-	-	-	-	-	-	-	1	-	1	-	1	2	1	1	-	-	-	-	-	-
223	-	-	-	-	-	2	7	14	3	2	-	-	2	-	4	3	1	3	-	-	-	-	-	-
225	-	-	-	-	-	-	2	1	1	1	1	2	1	1	3	2	1	2	3	3	-	-	-	-
226	-	-	-	-	1	-	6	9	9	2	-	-	1	5	2	-	2	3	-	1	1	1	-	-
227	-	-	-	-	-	-	1	3	2	2	1	-	-	1	1	3	1	-	-	-	-	-	-	-
228	-	-	-	-	-	1	-	-	-	-	-	-	2	5	16	18	4	6	5	2	-	-	-	-
229	-	-	-	-	1	-	-	1	-	-	-	-	2	1	-	1	-	1	1	-	-	1	-	-
230	-	-	-	-	-	1	-	-	-	1	4	8	9	4	-	-	-	1	-	-	-	-	-	-
231	-	-	-	-	-	-	-	-	-	1	3	3	16	13	9	6	5	2	1	1	1	-	-	-
232	-	-	2	-	-	-	-	-	-	1	-	-	-	1	-	-	-	1	1	-	-	-	-	-
233	-	-	1	1	2	3	1	1	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-
234	-	-	2	7	6	8	4	5	-	1	1	2	4	3	2	-	-	1	1	2	-	-	-	-
235	-	-	-	-	1	-	-	-	-	-	-	-	-	1	3	-	-	1	-	-	-	-	-	-
236	-	-	-	-	-	3	3	1	1	-	-	1	2	1	1	-	-	-	-	-	-	-	-	-
237	-	-	-	-	3	8	13	3	1	-	3	2	12	5	4	2	1	2	-	-	-	-	-	-
238	-	-	1	2	7	10	9	7	-	1	3	5	3	4	3	4	-	-	-	-	-	-	-	1
239	-	-	-	-	2	1	-	-	-	-	-	-	1	1	-	2	-	3	1	-	-	-	-	-
240	-	-	-	-	-	-	-	-	-	2	10	3	1	5	7	4	2	-	-	-	-	-	-	-
241	-	-	-	-	-	1	-	-	-	-	1	1	1	1	1	4	3	4	3	2	1	-	-	-
242	-	-	-	-	1	-	2	-	2	1	1	1	1	1	1	1	4	3	4	3	2	1	-	-
-	-	-	-	3	34	39	77	104	81	68	60	74	159	225	205	168	89	77	52	17	13	4	1	-

	1	2	3	4	5	6	7	8	9	10	11
-	-	-	-	-	-	-	-	-	-	-	-
176	-	-	-	-	-	3	-	1	-	-	-
178	-	-	-	-	-	1	3	2	-	-	-
179	-	-	-	-	2	5	-	-	-	-	-
195	-	-	-	-	-	1	3	-	-	-	-
199	-	-	-	-	4	7	3	5	1	1	-
201	-	-	-	1	7	13	3	1	-	-	-
202	-	-	-	2	1	1	3	-	-	-	-
203	-	-	-	-	2	1	-	-	-	-	-
204	-	-	-	-	1	20	4	-	-	-	-
205	-	-	-	-	3	6	2	-	-	-	-
206	-	-	-	3	15	14	7	-	1	1	-
207	-	1	12	5	10	20	28	5	4	1	-
208	-	-	-	2	1	-	-	-	-	-	-
209	-	1	2	2	2	2	2	1	1	1	-
210	-	-	-	3	-	-	-	-	2	-	-
211	-	1	-	1	-	-	-	1	2	-	-
216	-	-	-	-	-	1	6	6	-	-	-
217	-	-	-	-	-	1	4	1	2	-	-
219	-	-	-	-	8	11	4	1	-	2	-
220	-	-	-	-	1	5	8	4	1	-	-
221	-	-	-	1	6	6	7	4	-	-	-
222	-	-	-	-	2	3	8	4	3	-	-
223	-	-	-	1	2	10	3	6	2	1	-
224	-	-	-	-	3	2	2	1	-	-	-
225	-	-	-	-	1	1	1	-	-	-	-
226	-	-	-	-	-	5	1	-	-	-	-
227	-	-	-	1	-	1	2	1	-	1	-
228	-	-	-	-	2	-	-	-	-	-	-
229	-	-	-	1	1	-	2	-	-	-	-
232	-	-	-	-	1	1	-	-	-	-	-
233	-	-	-	-	1	-	-	-	-	-	-
234	-	-	-	1	-	2	-	1	1	-	-
237	-	-	-	-	1	1	-	-	-	-	-
238	-	1	1	1	1	1	1	1	1	1	-
239	-	-	-	4	13	42	37	10	1	1	-
240	-	-	-	3	3	12	13	6	1	-	-
241	-	-	-	-	5	3	10	2	-	-	-
242	-	-	-	4	-	-	-	1	-	-	-
-	-	1	2	16	34	97	203	169	60	18	8

POMATOSCHISTUS LOZANOI NR 043
LENGTH DISTRIBUTION IN 0.5 CM

	1	2	3	4	5	6	7	8	9	10	11	12
175	-	-	-	-	-	2	3	4	-	-	-	-
176	-	-	-	-	12	31	15	8	2	1	1	-
177	-	-	-	4	16	32	27	15	2	2	-	-
178	-	-	-	-	5	10	10	6	-	-	-	-
179	-	-	-	1	2	5	-	1	1	1	-	-
180	-	-	-	-	-	1	-	-	-	-	-	-
191	-	-	-	-	-	1	2	1	-	-	-	-
182	-	-	-	-	-	2	2	1	1	-	-	-
184	-	-	-	-	-	8	6	1	1	1	-	-
185	-	-	-	-	-	1	1	2	-	-	-	-
186	-	-	-	-	-	-	1	3	-	-	-	-
187	-	-	-	-	6	8	4	-	-	-	-	-
190	-	-	-	-	-	2	2	-	-	-	-	-
191	-	-	-	-	-	-	1	-	-	-	-	-
192	-	-	-	-	-	-	1	2	1	-	-	-
193	-	-	-	-	-	7	12	10	3	1	-	-
194	-	-	-	-	-	1	-	-	-	-	-	-
195	-	-	-	-	3	11	21	5	2	1	-	-
197	-	-	-	-	3	7	20	18	6	4	2	-
198	-	-	-	-	6	7	-	1	-	-	-	-
199	-	-	-	-	-	-	-	1	-	-	-	-
201	-	-	-	1	1	4	6	-	1	-	-	-
202	-	-	-	-	1	10	4	-	1	1	-	-
203	-	-	-	-	2	8	12	12	1	2	1	-
204	-	-	-	-	1	2	-	1	1	-	-	-
205	-	-	-	1	3	2	6	4	5	1	-	-
206	-	-	-	-	3	13	10	13	1	1	1	-
207	-	-	-	-	3	11	4	5	3	-	-	-
208	-	-	-	-	3	4	8	6	-	1	-	-
209	-	-	-	-	3	4	15	5	3	-	-	-
210	-	-	-	-	-	-	1	-	-	-	1	-
211	-	-	-	-	-	4	5	8	8	4	2	-
212	-	-	-	-	-	3	1	5	1	-	-	-
213	-	-	-	-	-	3	6	4	2	-	-	-
214	-	-	-	-	2	6	12	25	23	11	3	-
216	-	-	-	-	6	21	19	4	1	-	1	-
217	-	-	-	-	-	5	4	1	1	1	-	-
219	-	-	-	-	4	19	24	42	20	4	3	2
220	-	-	-	-	-	5	17	17	5	4	-	-
221	-	-	-	-	-	2	15	18	11	1	2	1
222	-	-	-	-	-	14	3	2	1	-	-	-
223	-	-	-	-	1	14	11	4	2	-	-	1
224	-	-	-	-	-	3	7	4	1	1	-	-
225	-	-	-	-	1	7	11	14	4	-	-	-
226	-	-	-	-	-	5	16	10	4	-	-	-
227	-	-	-	-	-	2	11	11	8	3	-	-
228	-	-	-	1	9	24	30	12	4	-	-	-
229	-	-	-	-	3	2	8	10	-	-	-	-
230	-	-	-	-	1	4	3	2	-	1	-	-
231	-	-	-	1	2	5	6	4	2	1	1	-
232	-	-	-	1	1	8	10	7	2	-	-	-
233	-	-	-	1	8	38	39	29	10	3	1	-
234	-	-	-	1	8	34	22	16	8	9	2	-
235	-	-	-	-	2	4	17	13	4	3	-	-
236	-	-	-	-	3	13	26	23	13	6	-	-
237	-	-	1	2	18	29	29	30	4	3	1	2
238	-	-	-	-	2	9	20	16	16	5	3	1
239	-	-	-	-	6	19	22	10	4	2	2	-
241	-	-	-	-	1	8	21	8	2	-	-	-
242	-	-	-	-	2	13	20	22	3	2	1	-
-	-	-	1	16	162	537	625	493	183	76	26	6

POMATOSCHISTUS MINUTUS NR 044
LENGTH DISTRIBUTION IN 0.5 CM

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
175	-	-	-	-	1	2	1	1	1	-	1	1	1	-	-	
176	-	-	-	-	4	16	17	10	6	2	5	-	-	1	-	
177	-	-	-	-	1	13	23	15	6	7	6	2	-	-	-	
178	-	-	-	-	1	9	21	19	12	4	2	1	-	-	-	
179	-	-	-	-	-	-	1	5	15	13	2	-	-	-	-	
180	-	-	-	-	-	-	-	3	1	3	1	-	-	-	-	
181	-	-	-	-	-	-	3	4	8	6	2	-	1	-	-	
182	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	
183	-	-	-	-	-	-	1	9	8	5	1	-	-	-	-	
184	-	-	-	-	-	-	5	27	33	14	-	-	-	-	-	
185	-	-	-	-	-	-	5	16	12	2	-	-	-	-	-	
186	-	-	-	-	-	-	4	12	7	-	-	1	-	-	-	
187	-	-	-	-	-	3	11	11	2	-	-	-	-	-	-	
190	-	-	-	-	-	6	9	6	3	3	1	-	1	-	-	
191	-	-	-	-	-	-	3	4	4	3	-	-	-	-	-	
192	-	-	-	-	-	-	-	11	12	6	1	-	-	-	-	
193	-	-	-	-	-	-	-	3	1	-	-	-	-	-	-	
195	-	-	-	-	1	2	13	24	15	3	-	1	-	-	-	
197	-	-	-	-	-	-	3	10	23	26	3	1	2	1	-	
198	-	-	-	-	-	-	4	8	21	16	2	-	-	-	-	
199	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-	
200	-	-	-	-	-	-	-	-	2	-	1	-	-	-	-	
201	-	-	-	-	-	10	30	23	15	8	-	-	-	1	-	
202	-	-	-	-	-	8	42	51	11	9	5	4	1	1	-	
203	-	-	-	-	2	10	23	54	10	9	10	7	2	3	-	
204	-	-	-	-	-	11	13	13	15	9	2	4	1	1	-	
205	-	-	-	-	1	2	10	22	13	12	7	6	2	-	-	
206	-	-	-	-	-	2	13	29	17	5	1	4	1	-	-	
207	-	-	-	-	1	6	18	33	13	7	8	1	2	-	-	
208	-	-	-	-	-	5	11	26	10	5	2	-	-	-	-	
209	-	-	-	-	-	8	29	33	17	12	2	2	1	-	-	
210	-	-	-	-	2	12	28	19	9	8	5	-	-	-	-	
211	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	
214	-	-	-	-	-	1	-	5	4	1	2	-	1	-	-	
216	-	-	-	-	1	24	36	13	11	1	1	1	-	-	-	
217	-	-	-	-	3	16	29	15	7	4	1	-	-	-	-	
219	-	-	-	-	2	3	25	47	31	15	9	7	4	2	1	
220	-	-	-	-	-	2	16	31	24	14	2	1	-	1	-	
221	-	-	-	-	-	1	11	23	16	6	8	8	5	3	-	
222	-	-	-	-	1	4	10	39	11	2	1	-	-	-	-	
223	-	-	-	-	-	3	16	29	18	5	4	-	2	-	-	
224	-	-	-	-	40	-	25	20	12	10	4	4	-	1	-	
225	-	-	-	-	2	-	6	19	25	20	8	8	-	1	-	
226	-	-	-	-	-	6	16	30	32	27	13	8	1	4	-	
227	-	-	-	-	-	3	17	26	16	12	5	1	3	-	-	
228	-	-	-	-	1	4	10	29	40	30	7	1	1	1	-	
229	-	-	-	-	1	1	13	41	54	16	1	1	-	-	-	
230	-	-	-	-	-	-	1	-	4	3	-	-	-	-	-	
231	-	-	-	-	-	1	3	25	28	15	10	1	-	-	-	
232	-	-	-	-	-	-	1	7	3	5	4	1	-	-	-	
233	-	-	-	-	1	7	11	11	19	7	3	1	-	-	-	
234	-	-	-	-	1	1	18	16	11	3	1	-	-	-	-	
236	-	-	-	-	-	1	1	-	1	2	1	-	-	-	-	
237	-	-	-	-	-	3	13	22	10	13	7	3	-	-	-	
238	-	-	-	-	2	13	18	25	8	10	2	1	-	-	-	
239	-	-	-	-	-	3	16	19	24	9	3	2	1	1	-	
241	-	-	-	-	1	2	7	7	8	3	2	-	-	-	-	
242	-	-	-	-	-	5	17	49	25	6	4	3	1	-	-	
-	-	-	-	-	-	76	229	677	1052	766	438	173	87	34	21	1

POMATOSCHISTUS NORVEGICUS NR 045
LENGTH DISTRIBUTION IN 0.5 CM

	1	2	3	4	5	6	7	8	9	10	11
180	-	-	-	-	6	4	-	-	-	-	-
181	-	-	-	-	1	2	-	-	-	-	-
182	-	-	1	4	17	8	2	-	2	1	1
183	-	-	-	-	2	10	2	-	3	4	-
184	-	-	-	4	15	15	4	1	-	1	-
185	-	-	-	-	10	12	2	-	1	-	-
186	-	-	-	-	11	8	2	-	-	-	-
187	-	-	-	-	6	8	4	-	-	-	-
190	-	-	-	-	3	2	2	-	-	-	-
191	-	-	-	-	3	10	-	-	-	-	-
192	-	-	-	1	7	29	10	-	1	-	-
193	-	-	-	5	15	41	15	1	-	1	1
194	-	-	-	-	1	1	-	-	-	-	-
199	-	-	-	-	1	-	-	-	-	-	-
200	-	-	-	-	1	-	-	-	-	-	-
230	-	-	-	1	3	4	-	-	-	-	-
237	-	-	-	1	-	2	1	-	-	-	-
238	-	-	-	-	-	-	2	-	-	-	-
-	-	-	1	16	102	156	46	2	7	7	2

EUTRIGLA GARNARDUS NR 046
LENGTH DISTRIBUTION IN 1.0 CM

[illegible]

AGONUS CATAPHRACTUS NR 051
LENGTH DISTRIBUTION IN 1.0 CM

-	1	2	3	4	5	6	7	8	9	10	11	12	13	14
176	-	-	-	-	-	1	-	-	-	-	-	-	-	-
179	-	-	-	-	1	1	2	1	-	-	-	-	-	-
180	-	-	-	-	-	-	1	-	-	1	-	-	-	-
181	-	-	-	-	-	-	-	-	-	1	-	-	-	-
183	-	-	-	-	-	-	-	-	-	1	-	-	-	1
192	-	-	-	-	-	-	-	-	1	-	-	-	-	-
194	-	-	-	-	-	-	-	-	-	1	-	-	-	-
195	-	-	-	2	3	6	6	1	-	-	-	1	-	-
197	-	-	-	-	-	1	3	-	-	-	-	-	-	-
198	-	-	-	-	-	-	2	3	-	-	-	-	-	-
202	-	-	-	-	-	2	6	-	-	-	-	-	-	-
203	-	-	-	-	1	-	2	-	-	-	-	-	-	-
204	-	-	-	-	-	-	3	-	-	-	-	-	-	1
205	-	-	-	-	-	2	3	2	-	-	-	-	-	-
208	-	-	-	-	-	-	-	1	-	-	-	-	-	-
210	-	-	-	-	-	-	1	-	-	-	-	-	-	-
211	-	-	-	-	-	1	1	-	-	-	-	-	-	-
212	-	-	-	3	6	16	5	1	-	-	-	-	-	-
213	-	-	-	-	3	4	-	-	-	-	-	-	-	-
214	-	-	-	-	1	2	3	-	-	1	-	-	-	-
219	-	-	-	-	-	1	-	1	1	-	-	-	-	-
226	-	-	-	-	-	-	6	3	-	-	-	-	-	-
228	-	-	-	-	-	-	2	2	1	-	-	1	-	-
230	-	-	-	-	-	-	-	-	-	-	1	-	-	-
231	-	-	-	-	-	-	1	4	1	-	1	1	1	-
234	-	-	1	-	2	-	-	-	-	-	-	-	-	-
238	-	-	-	-	-	-	1	-	-	-	1	-	-	-
242	-	-	-	-	-	-	1	-	1	1	-	-	-	-
-	-	-	1	5	17	43	48	19	5	6	3	3	1	2

2 3 4 5 6 7 8 9

- - 4 17 37 44 37 17 14 18 152 208 70 38 22 9 1 1

LENGTH DISTRIBUTION IN 1.0 CM

- - - 1 2 6 2 - 1 - - -

[illegible]

PLEURONECTES PLATESSA NR 063
LENGTH DISTRIBUTION 1.0 0

[illegible]

[illegible]

[illegible]

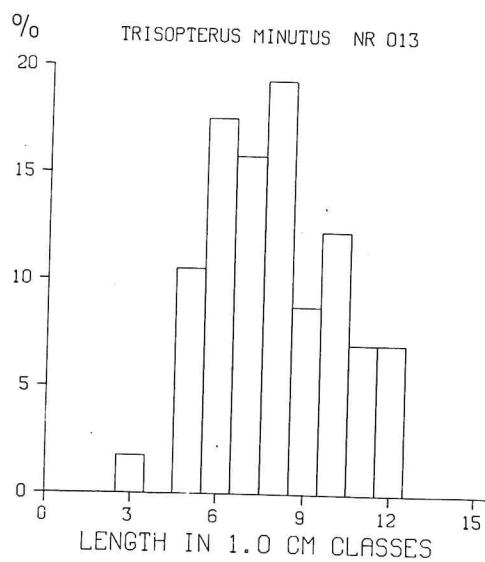
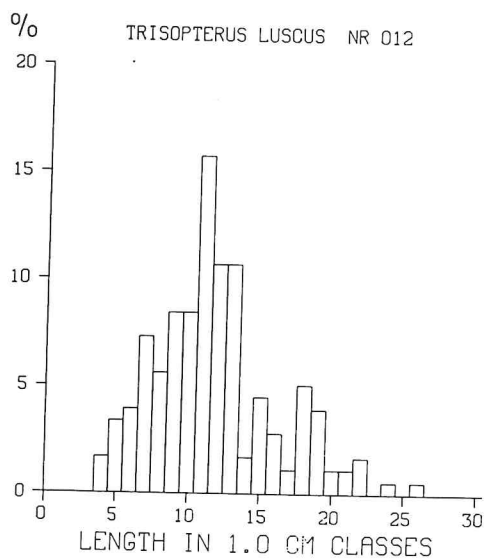
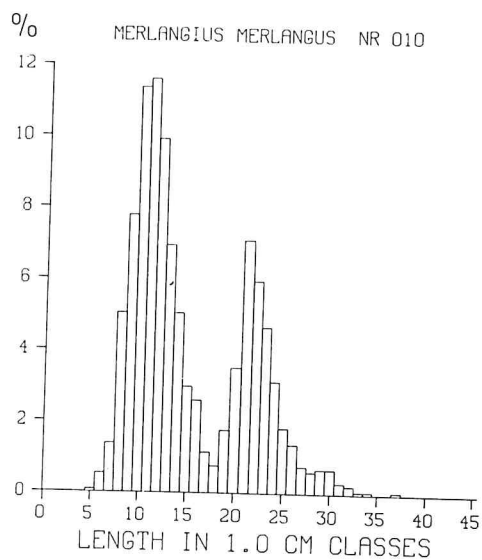
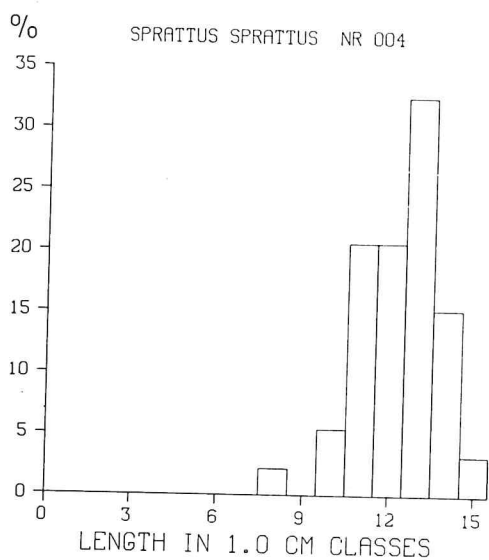
ECHINOCARDIUM CORIATUM NR 207
LENGTH DISTRIBUTION 0.1 CM

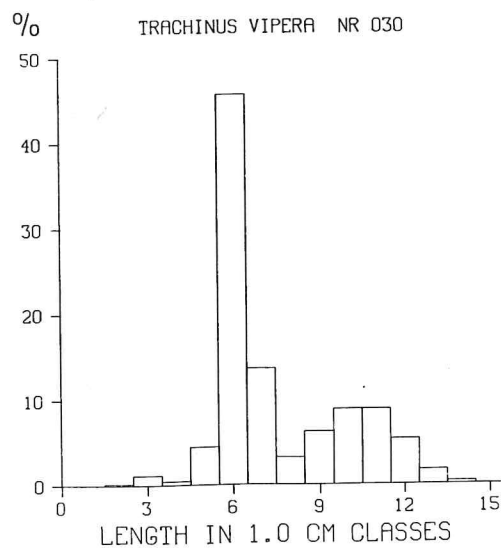
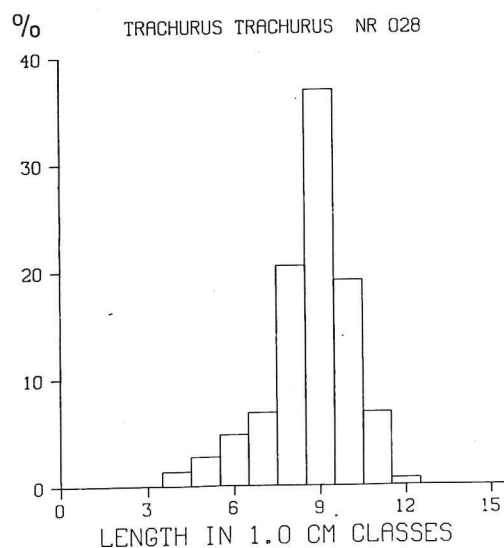
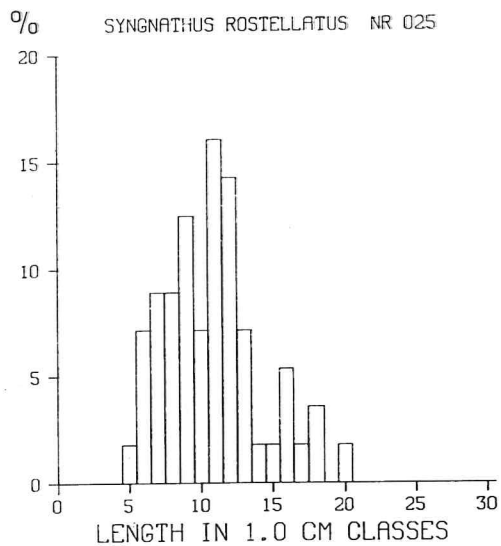
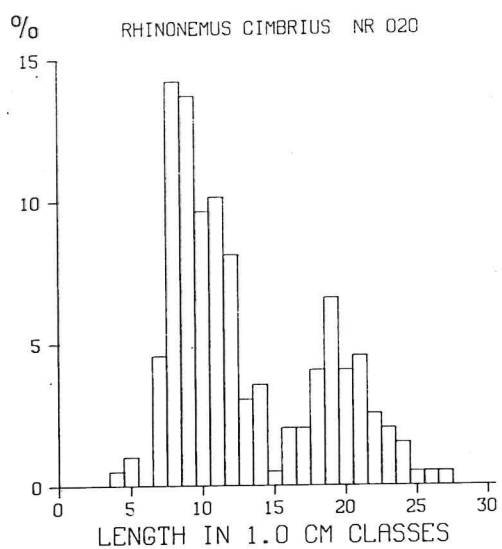
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- 105 -

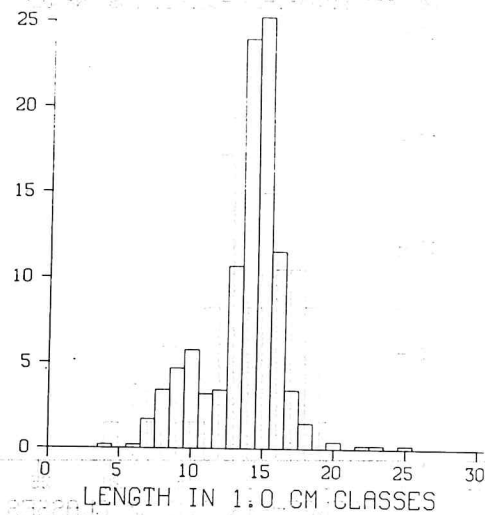
ECHINOCARDIUM FLAVESCENS NR 208
LENGTH DISTRIBUTION 0.1 CM

	-	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	2	-	2	-	-	-	-	-	-	-
194	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	1	1	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	2	-	2	-	-	1	-	2	1	1

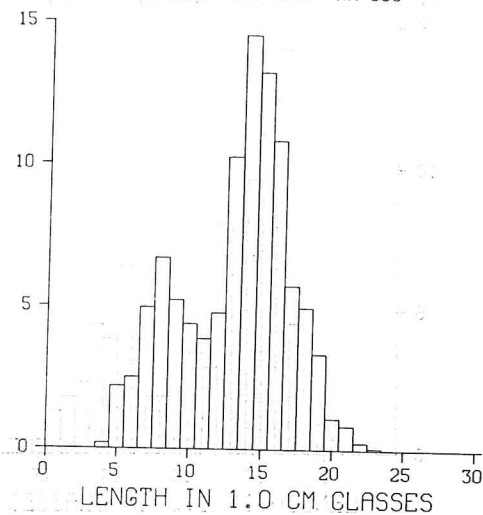




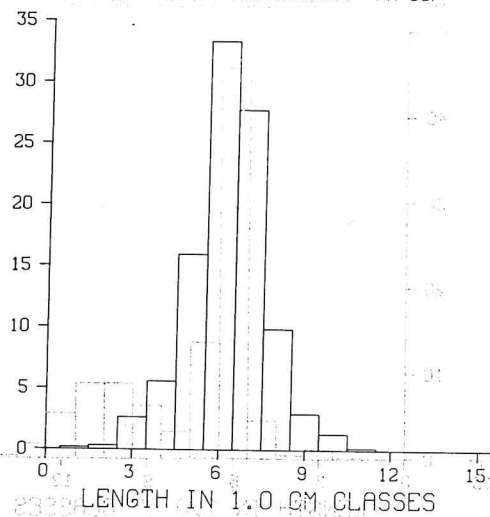
AMMODYTES SPEC. NR 035



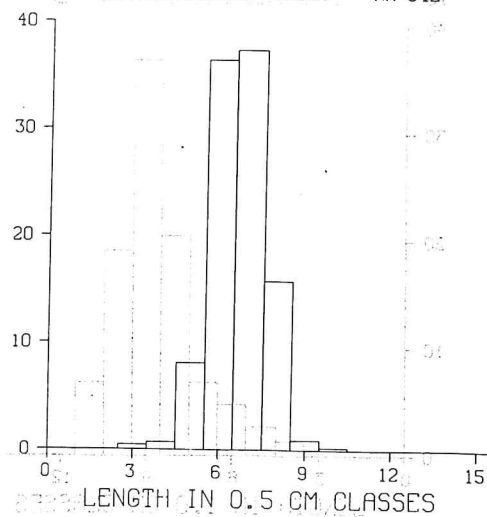
CALLIONYMUS LYRA NR 036

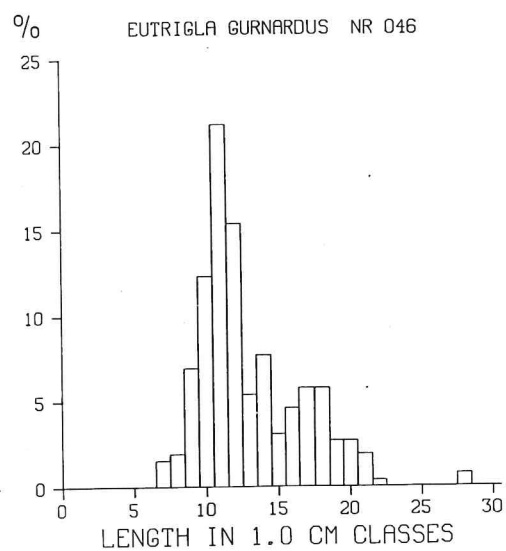
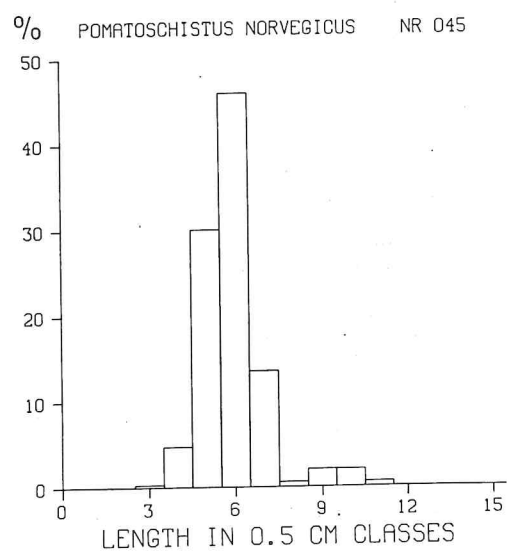
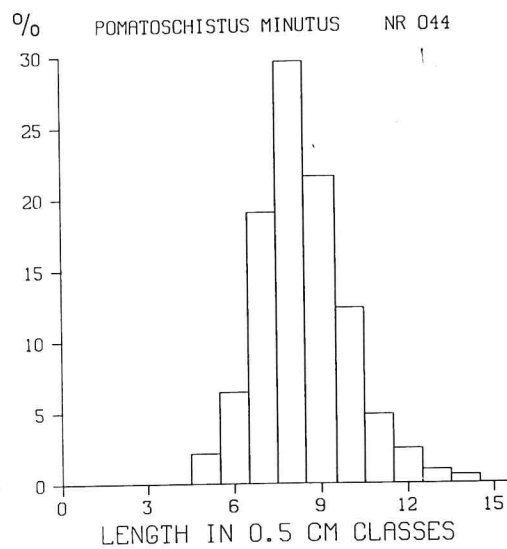
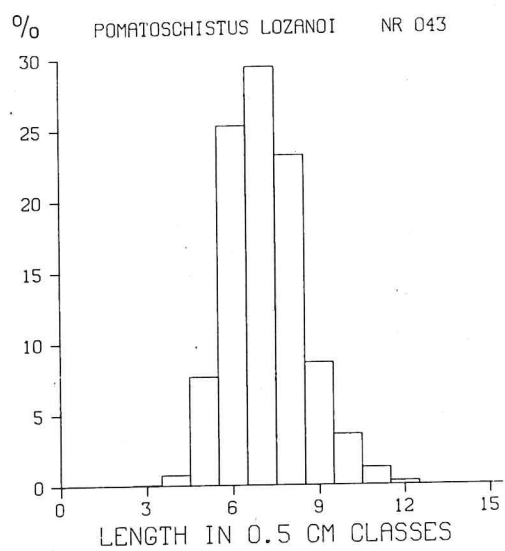


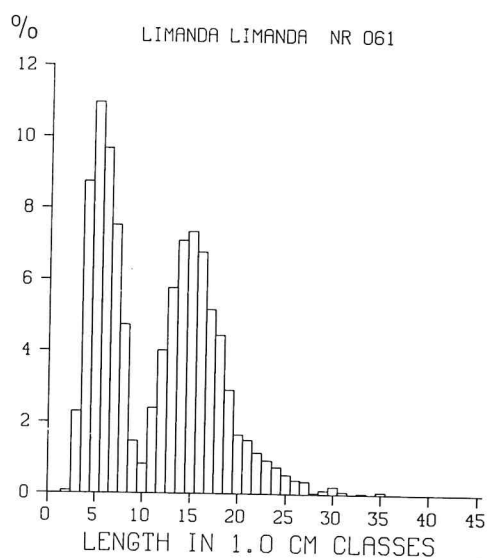
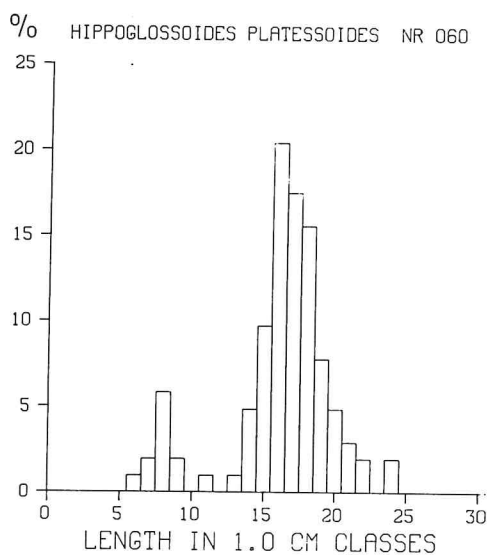
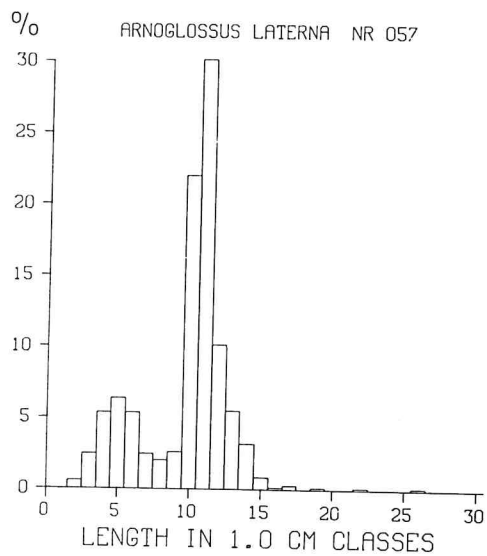
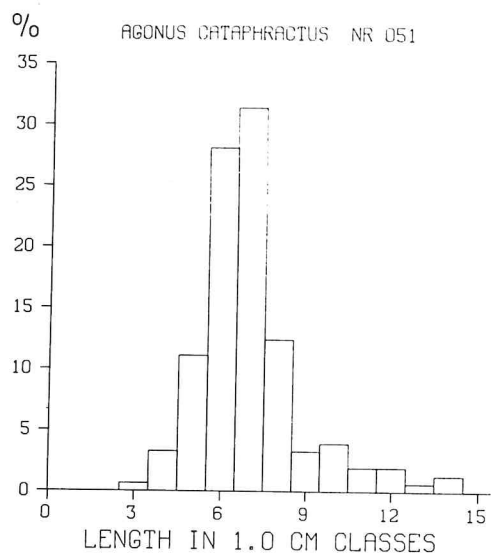
CALLIONYMUS RETICULATUS NR 037

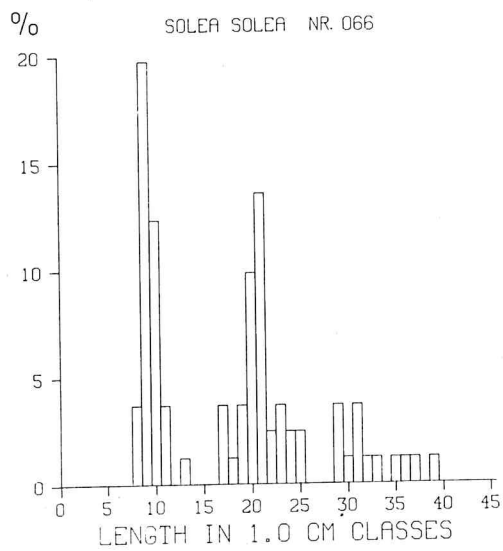
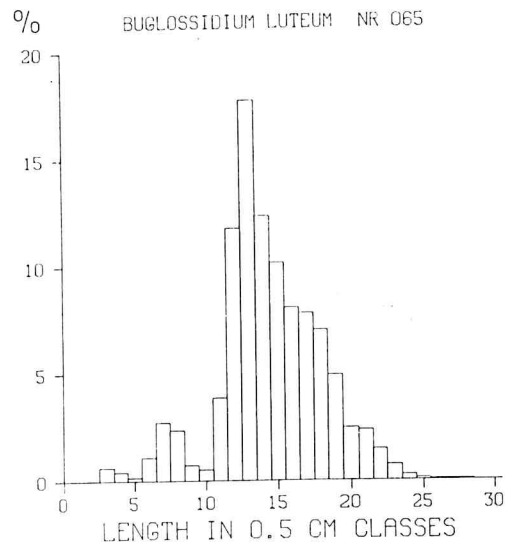
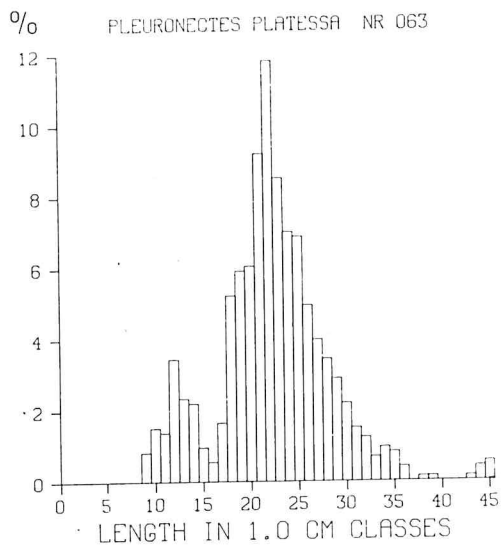


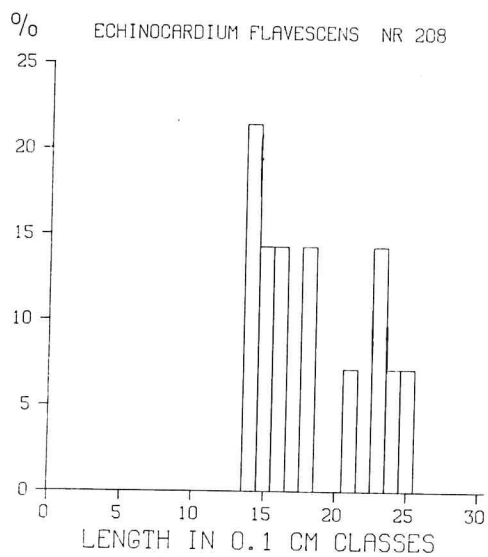
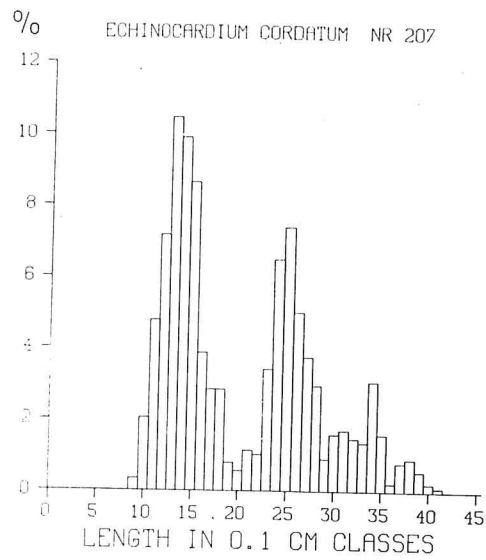
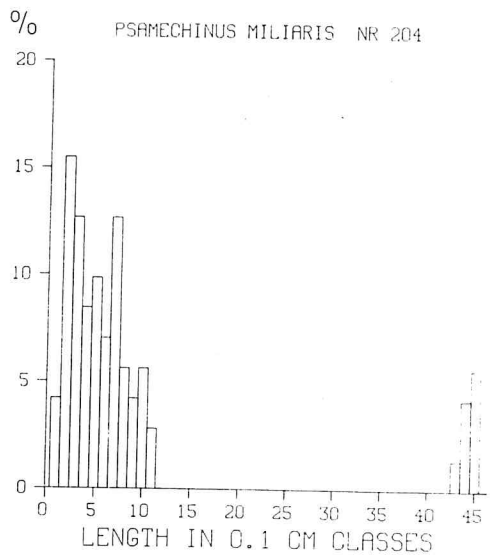
POMATOSCHISTUS PICTUS NR 042











SPECIES INDEX

SPECIES	NR	OCCURRENCE AT STATIONS PAGE	DISTRIBUTION CHARTS PAGE	LENGTH DISTRIBUTION PAGE	LENGTH HISTOGRAMS PAGE
AGONUS CATAPHRACTUS	051	6-9	38	98	110
ALLOTEUTHIS SUBULATA	404	14-17	85	-	-
AMMODYTES SPEC.	035	6-9	29	91	108
AMPHIURA FILIFORMIS	211	10-13	71	-	-
ANGUILLA ANGUILLA	009	6-9	-	-	-
ANGULUS TENUIS	336	14-17	-	-	-
APORRHAIUS PESPELICANI	352	14-17	-	-	-
APHRODITE ACULEATA	502	14-17	86	-	-
APHIA MINUTA	040	6-9	-	-	110
ARNOGLOSSUS LATERNA	057	6-9	39	99	-
ASTERIAS RUBENS	201	10-13	65	-	-
ASTROPECTEN IRREGULARIS	202	10-13	66	-	-
ATELECYCLUS ROTUNDATUS	114	10-13	-	-	-
ATHERINA PRESBYTER	026	6-9	-	-	-
BUCCINUM UNDATUM	358	14-17	83	-	111
BUGLOSSIDIUM LUTEUM	065	6-9	44	102	108
CALLIONYMUS LYRA	036	6-9	30	92	108
CALLIONYMUS RETICULATIS	037	6-9	31	93	108
CANCER PAGURUS	127	10-13	-	-	-
CARCINUS MAENAS	126	10-13	62	-	-
CARDIUM ECHINATUM	323	14-17	77	-	-
CHLAMYS OPERCULARIS	308	14-17	75	-	-
CORBULA GIBBA	345	14-17	-	-	-
CORYSTES CASSIVELAUNUS	113	10-13	53	-	-
CRANGON ALLMANI	107	10-13	50	-	-
CRANGON CRANGON	108	10-13	51	-	-
CULTELLUS PELLUCIDUS	338	14-17	-	-	-
CYPRINA ISLANDICA	318	14-17	76	-	-
DONAX VITATUS	332	14-17	-	-	-
EBALIA CRANCHII	134	10-13	-	-	-
EBALIA TUBEROSA	132	10-13	-	-	-
EBALIA TUMEFACIA	133	10-13	-	-	-
ECHINOCARDIUM CORDATUM	207	10-13	68	104	112
ECHINOCARDIUM FLAVESCENS	208	10-13	69	105	112
ENGRAULIS ENCRASICOLUS	006	6-9	-	-	-
ENSIS PHAXOIDES	340	14-17	-	-	-
ENTELURUS AEQUOREUS	023	6-9	-	-	109
EUTRIGLA GURNARDUS	046	6-9	36	97	-
GADUS MORHUA	016	6-9	-	-	110
HIPPOGLOSSIODES PLATESSOIDES	060	6-9	40	99	-
HIPPOLYTE VARIANS	104	10-13	-	-	-
HYAS COARCTATUS	118	10-13	56	-	-
HYPEROPLUS LANCEOLATUS	034	6-9	-	-	-
INACHUS DORESETTENSIS	115	10-13	-	-	110
LIMANDA LIMANDA	061	6-9	41	100	-
LIPARIS LIPARIS	052	6-9	-	-	-
LUIDIA SARSI	203	10-13	-	-	-
MACOMA BALTHICA	335	14-17	-	-	-
MACROPIPIUS ARCUATUS	120	10-13	57	-	-
MACROPIPIUS DEPURATOR	122	10-13	59	-	-
MACROPIPIUS HOLSATUS	123	10-13	60	-	-
MACROPIPIUS MARMOREUS	124	10-13	61	-	-
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SPECIES	NR	OCCURRENCE AT STATIONS PAGE	DISTRIBUTION CHARTS PAGE	LENGTH DISTRIBUTION PAGE	LENGTH HISTOGRAMS PAGE
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MACROPODIA TENUIROSTRIS	117	10-13	55	-	-
MACTRA CORALLINA	331	14-17	80	-	-
MERLANGIUS MERLANGUS	010	6-9	19	87	106
MULLUS SURMULETUS	029	6-9	26	-	-
NATICA CATENA	353	14-17	81	-	-
NATICA POLIANUS	354	14-17	-	-	-
NEPHROPS NORVEGICUS	135	10-13	-	-	-
NEPTUNEA ANTIQUA	357	14-17	82	-	-
NUCULA NUCLEUS	302	14-17	-	-	-
OPHIOTRIX FRAGILUS	210	10-13	70	-	-
OPHIURA AFFINIS	214	10-13	74	-	-
OPHIURA ALBIDA	212	10-13	72	-	-
OPHIURA TEXTURATA	213	10-13	73	-	-
PAGURUS BERNHARDUS	109	10-13	52	-	-
PANDALINE BREVIROSTRIS	103	10-13	48	-	-
PANDALUS MONTAGUI	102	10-13	47	-	-
PECTINARIA SPEC.	501	14-17	-	-	-
PILUMNUS HIRTELLUS	129	10-13	63	-	-
PINNOTHERES PISUM	128	10-13	-	-	-
PLATICTHYS FLESUS	062	6-9	42	-	-
PLEURONECTES PLATESSA	063	6-9	43	101	111
POMATOSCHISTUS LOZANOI	043	6-9	33	94	109
POMATOSCHISTUS MICROPS	041	6-9	-	-	-
POMATOSCHISTUS MINUTUS	044	6-9	34	95	109
POMATOSCHISTUS NORVEGICUS	045	6-9	35	96	109
POMATOSCHISTUS PICTUS	042	6-9	32	93	108
PONTOPHILUS BISPINOSUS	106	10-13	-	-	-
PONTOPHILUS TRISPINOSUS	105	10-13	49	-	-
PORCELLANA LONGICORNIS	110	10-13	-	-	-
PROCESSA EDULIS	101	10-13	46	-	-
PSAMMECHINUS MILIARIS	204	10-13	67	-	112
RHINONEMUS CIMBRIUS	020	6-9	22	89	107
SARDINA PILCHARDUS	005	6-9	-	-	-
SCOPHTHALMUS MAXIMUS	058	6-9	-	-	-
SCOPHTHALMUS RHOMBUS	059	6-9	-	-	-
SEPIOLA ATLANTICA	402	14-17	84	-	-
SOLEA SOLEA	066	6-9	-	103	111
SPATANGUS PURPUREUS	206	10-13	-	-	-
SPISULA ELLIPTICA	329	14-17	79	-	-
SPISULA SUBTRUNCATA	327	14-17	-	-	-
SPRATTUS SPRATTUS	004	6-9	18	87	106
SYNGNATHUS ACUS	024	6-9	23	-	-
SYNGNATHUS ROSTELLATUS	025	6-9	24	89	107
THIA SCUTELLATA	131	10-13	64	-	-
TRACHINUS VIPERA	030	6-9	27	-	107
TRACHURUS TRACHURUS	028	6-9	25	90	107
TRIGLA LUCERNA	047	6-9	37	-	-
TRISOPTERUS LUSCUS	012	6-9	20	88	106
TRISOPTERUS MINUTUS	013	6-9	21	88	106
TURRITELLA COMMUNIS	347	14-17	-	-	-
VENUS STRIATULA	325	14-17	78	-	-

ADDENDUM

Supplementary data on the occurrence of *Galathea intermedia*
(nr 111).

Haul nr	number caught per 10.000 m ²
187	57
191	64
212	4

and *Upogebia deltaura*
(nr 139)

180	14
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