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Revised stratification scheme for groundfish surveys in Subarea 2 and Division 3K<sup>1</sup>

by

J. Messtorff  
Chairman, Working Group on Coordinated Groundfish Surveys

Strata Charts<sup>2</sup>

Res.Doc. 72/125 provided an outline of sampling strata for Subarea 2. Further surveys to the area in 1972 indicated the need to make minor modifications in the scheme. For better matching with the division borders strata have been slightly altered and the numbering changed. Thus, the proposed plan given in Res. Doc. 72/125 is now superseded by the revised plan given in the attached Charts 1, 2 and 3.

For convenience and greater accuracy, the stratification for the area has now been produced in three overlapping parts:

- 1) Div. 2G and 2H (northern part), after German Fishery Chart No. 470, scale 1:1,500,000, reference latitude 60°45' (depth contours partly transferred from German Fishery Charts 459 and 460).
- 2) Div. 2H (northern part) and 2J, and
- 3) Div. 3K, after German Fishery Chart No. 471, scale 1:1,500,000, reference latitude 51°15' (depth contours partly transferred from German Fishery Charts 460-463).

Strata Areas

The strata areas given in Table 1 were measured by planimetry in cm<sup>2</sup> and converted to nautical square miles using average values per cm<sup>2</sup> corresponding to certain ranges of latitudes of the original charts as given in Table 2. Area measurements of inshore strata (0-100 m) are inevitably least precise owing to disregard of smaller bights, fjords or inlets inside as well as of islands outside a necessarily straightened coastline.

Table 1. Strata areas in nautical square miles.

Strata	Div. 2G	Strata	Div. 2H	Strata	Div. 2J	Strata	Div. 3K
1	1,000	23	1,061	36	1,839	60	1,083
2	1,356	24	1,921	37	1,427	61	2,082
3	411	25	1,886	38	488	62	2,621
4	1,479	26	591	39	1,342	63	1,623
5	959	27	321	40	793	64	2,434
6	493	28	432	41	1,176	65	1,591
7	630	29	2,406	42	629	66	2,192
8	801	30	300	43	612	67	745
9	582	31	1,581	44	2,277	68	1,900
10	1,794	32	958	45	1,771	69	3,178
11	1,527	33	2,181	46	543	70	2,685
12	979	34	1,069	47	2,569	71	1,569
13	281	35	378	48	1,731	72	2,033
14	260			49	648	73	1,393
15	665			50	377	74	786
16	1,520			51	507	75	1,740
17	1,505			52	2,499	76	1,187
18	552			53	1,671	77	1,297

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<sup>1</sup> Revision of Res.Doc. 74/4 presented to the Special Commission Meeting, FAO, Rome, January 1974.

<sup>2</sup> Secretariat Note: The copies of the Charts given in this paper have been considerably reduced from the originals as submitted by Dr J. Messtorff.

Table 1. continued

Strata	Div. 2G	Strata	Div. 2H	Strata	Div. 2J	Strata	Div. 3K
19	1,028			54	1,247	78	815
20	1,406			55	708	79	1,535
21	251			56	1,163	80	1,890
22	253			57	2,285	81	578
				58	1,391		
				59	460		
1-22	19,732	23-35	15,085	36-59	30,153	60-81	36,957
Total Subarea 2		1-59	64,970				

Table 2. Nautical square miles per  $cm^2$  (conversion factors).

Chart	Range of latitudes	Conversion factors
1	59°00' - 61°00' N	68.49
	57°40' - 59°00' N	75.61
	56°00' - 57°40' N	81.90
2	55°20' - 56°30' N	52.62
	53°30' - 55°20' N	56.76
	52°15' - 53°30' N	61.03
3	51°00' - 52°15' N	63.66
	49°15' - 51°00' N	68.35

Although all square measures are projections on the horizontal surface level, disregarding the degree of bottom slope, the differences to the corresponding bottom areas are negligible and well within the margin of error of the measuring method, even in the most offshore strata with a depth increase of 500 m below an extremely narrow surface area.

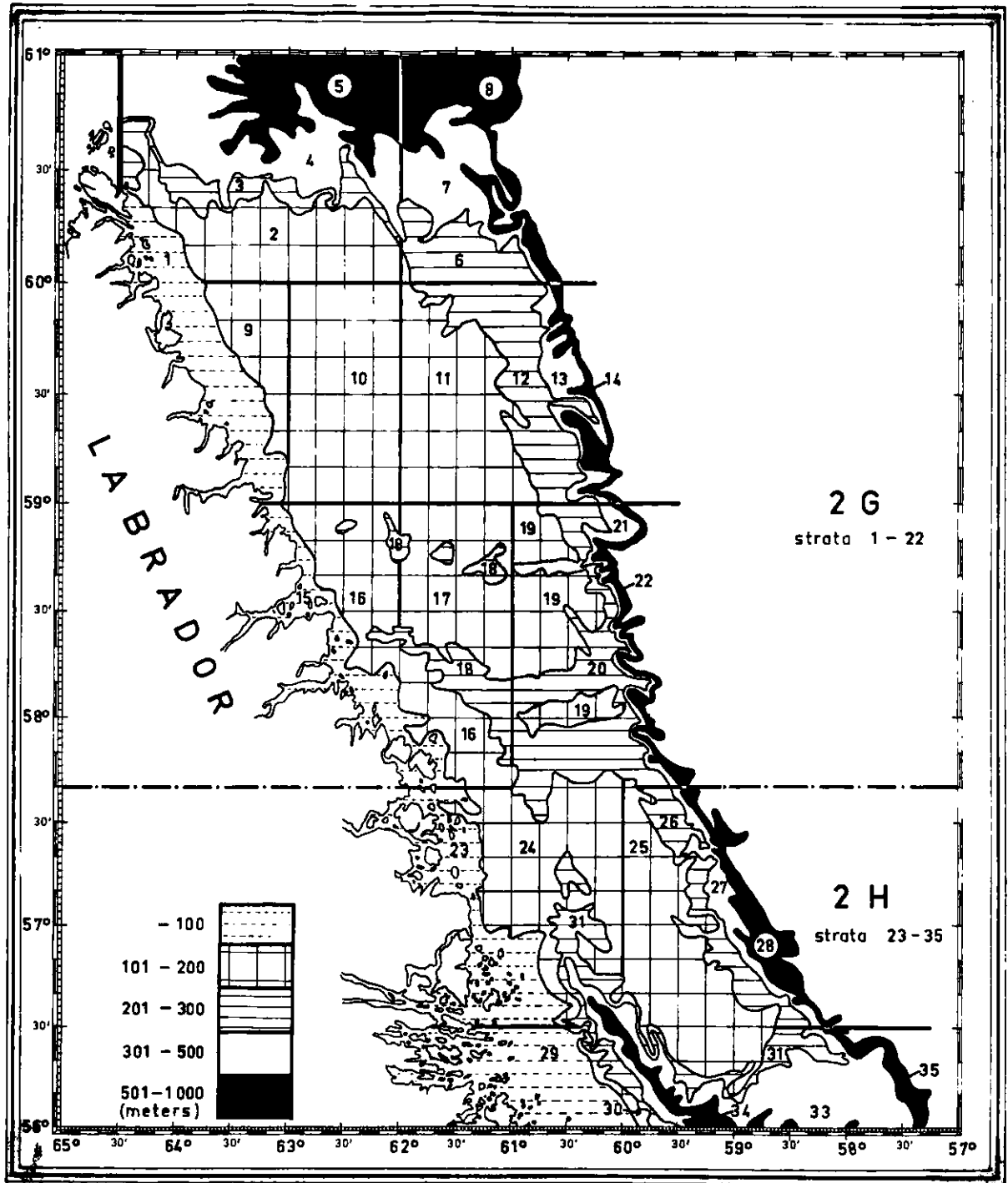


Chart 1. Stratification of Divisions 2G and 2H (northern part).

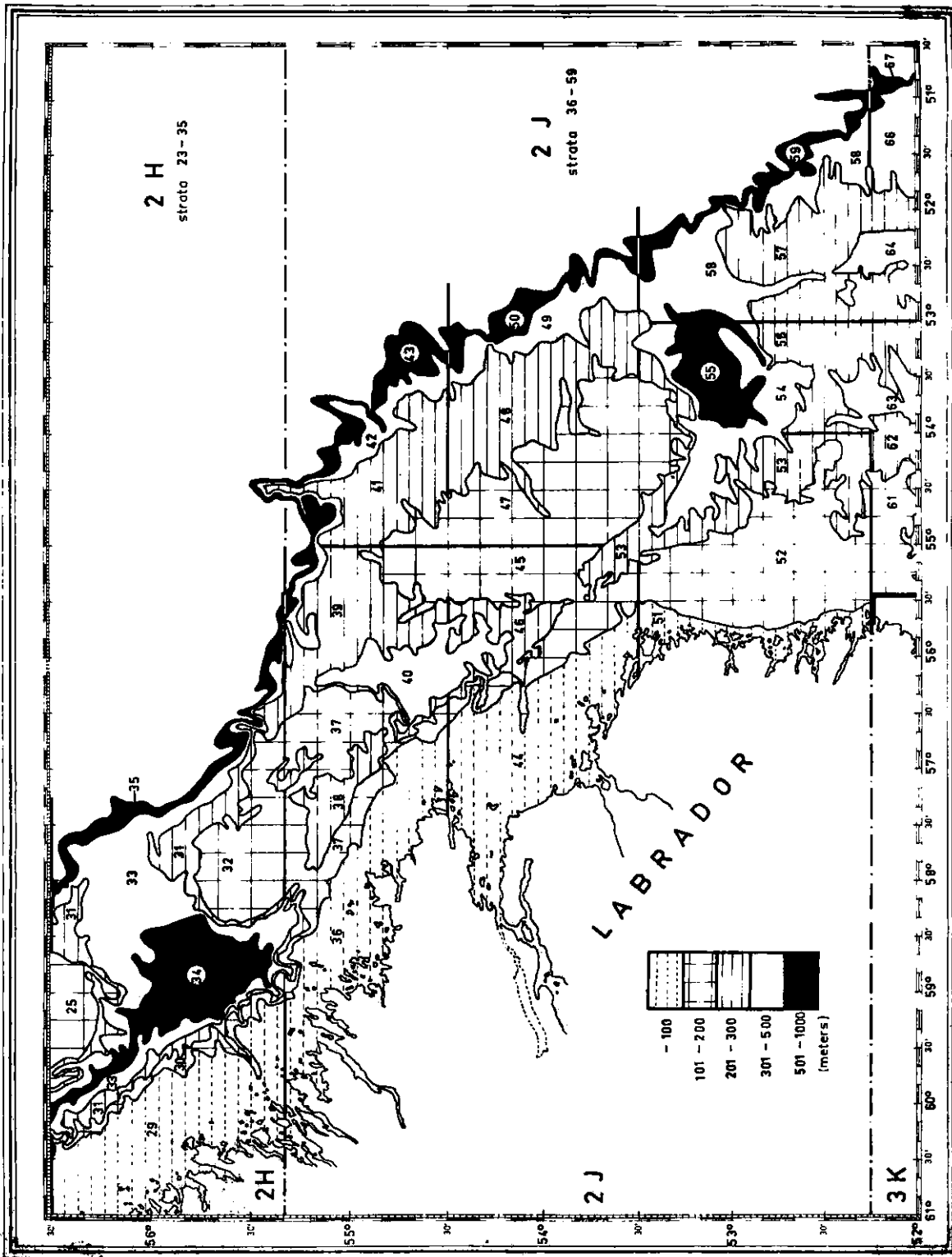


Chart 2. Stratification of Divisions 2H (southern part) and 2J.

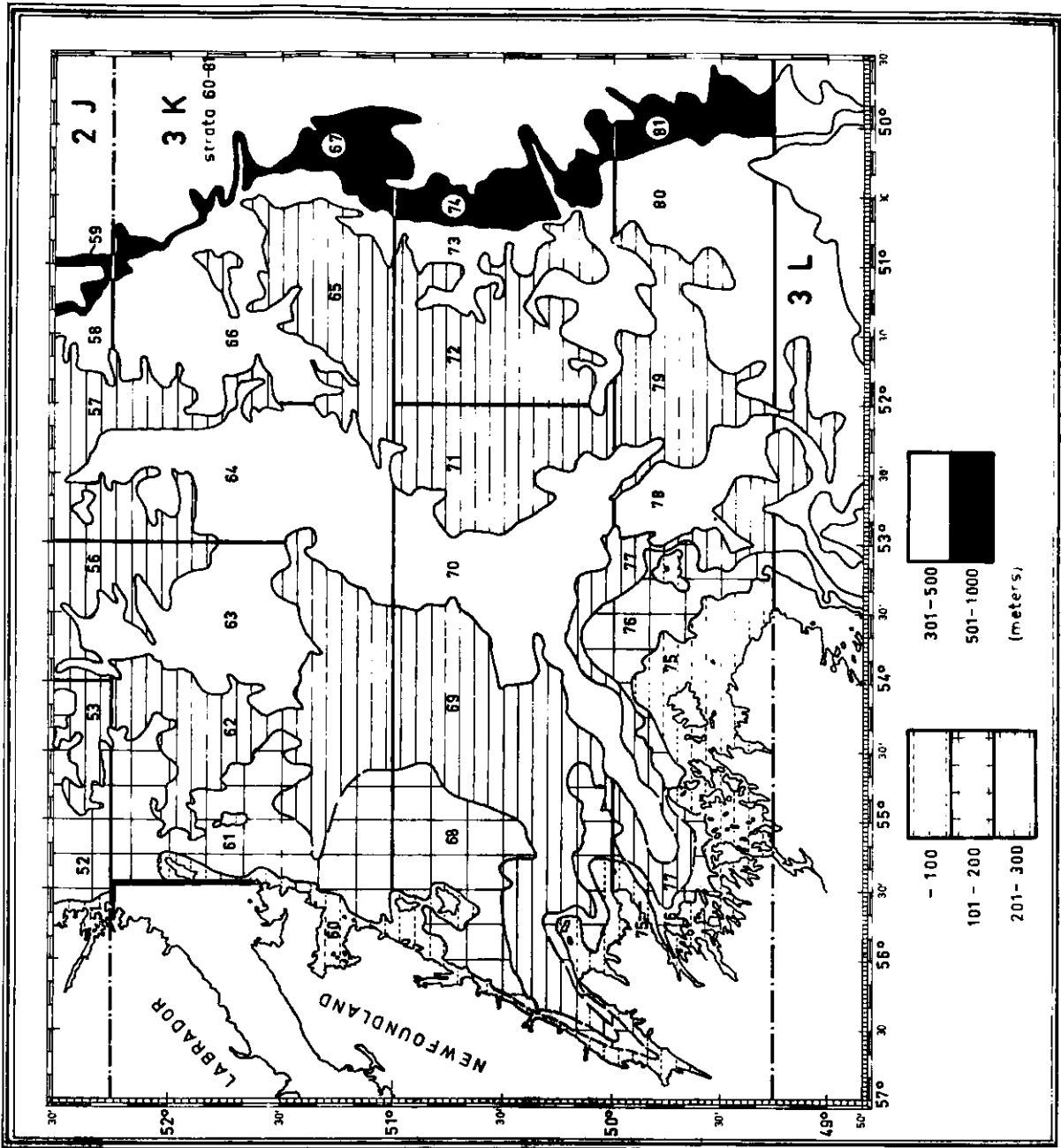


Chart 3. Stratification of Division 3K.

