



Proposals for new “existing fishing areas”

Note by the Secretariat

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1. Summary

With new data on fishing activity added to the data used last year it is proposed to replace the 6 existing fishing areas in the Hatton-Rockall Bank area with 4 new areas and establish 5 new areas in the Mid-Atlantic Ridge. It has not been possible to make any proposal based on the data for fishing activity south of the Icelandic EEZ and for some very small areas at the Mid-Atlantic Ridge.

2. Introduction

In addition to the data from the NEAFC VMS database, Iceland and the Russian Federation, new data have been received from Spain and the Faroe Islands. These data are given as single positions, not aggregated as agreed by NEAFC.

The approach used was to combine all effort data (NEAFC database included) and compare with the defined areas proposed in 2008. As effort data are not as reliable due to i.e. sailing from and to fishing areas, personal judgement has been necessary in some cases. The general approach was to make contour plots indicating by colour which areas are with highest effort (black with highest effort, then, orange, light blue and areas with lightest effort are indicated with green). Based on such plots the areas of “existing fishing areas” were redefined also taking into account comparison with the areas defined in 2008. Due to the fact that there were no catch data associated with the positions, it is difficult, based on the effort data alone, to suggest reliable areas without detailed knowledge on the fishery. Therefore, while suggesting the areas, only areas with relatively high effort at given area were included in the proposal to avoid including areas which vessels have used for sailing to and from the areas or areas which have only been affected by few hauls/sets during the period the new data covers (2000-2007).

3. Overview of new data.

a) Data from the Faroe Islands.

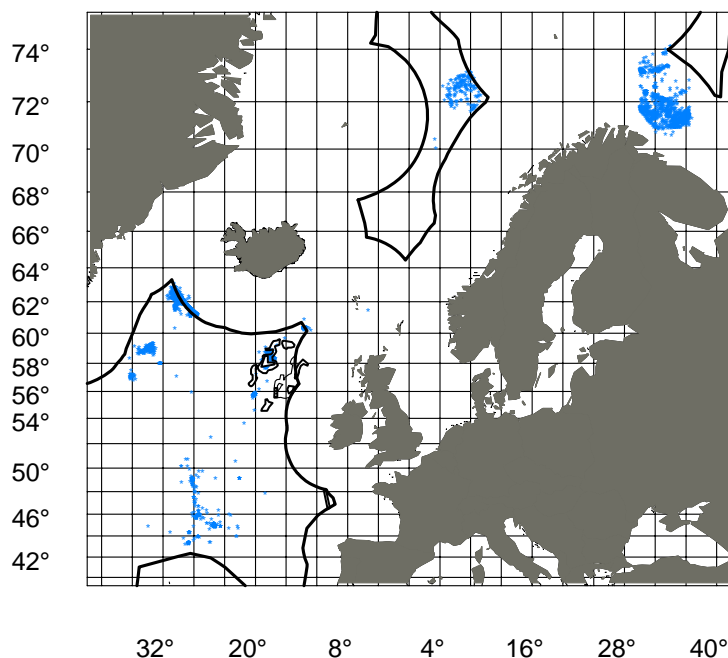


Figure 1. Overview of data from Faroe Islands. No. of registrations = 3729.

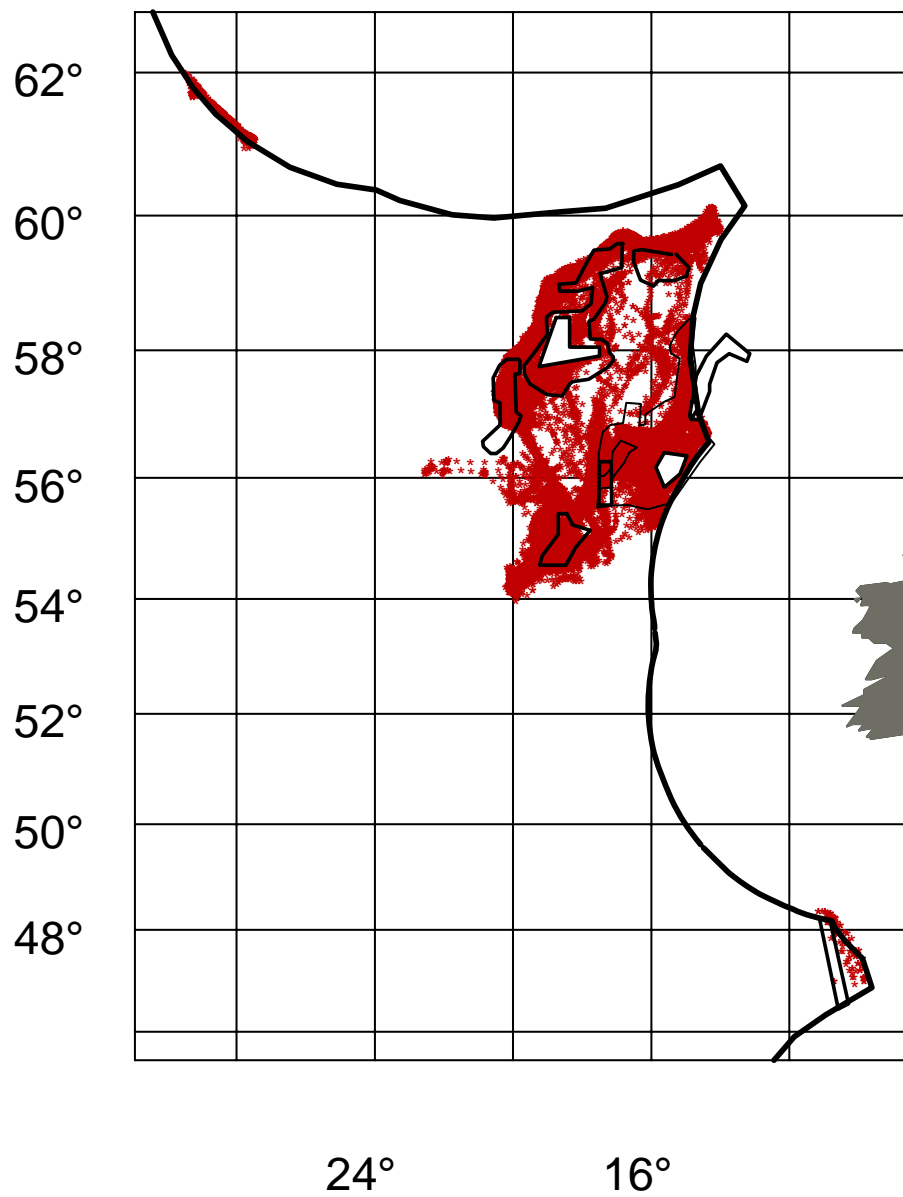
b) Data from Spain Hatton Bank Rockall

Figure 2. Overview of data from Spain. No. of registrations = 143683

c) Overview all position data

NEAFC VMS data (green), Spanish data (red) and Faroese data (blue)

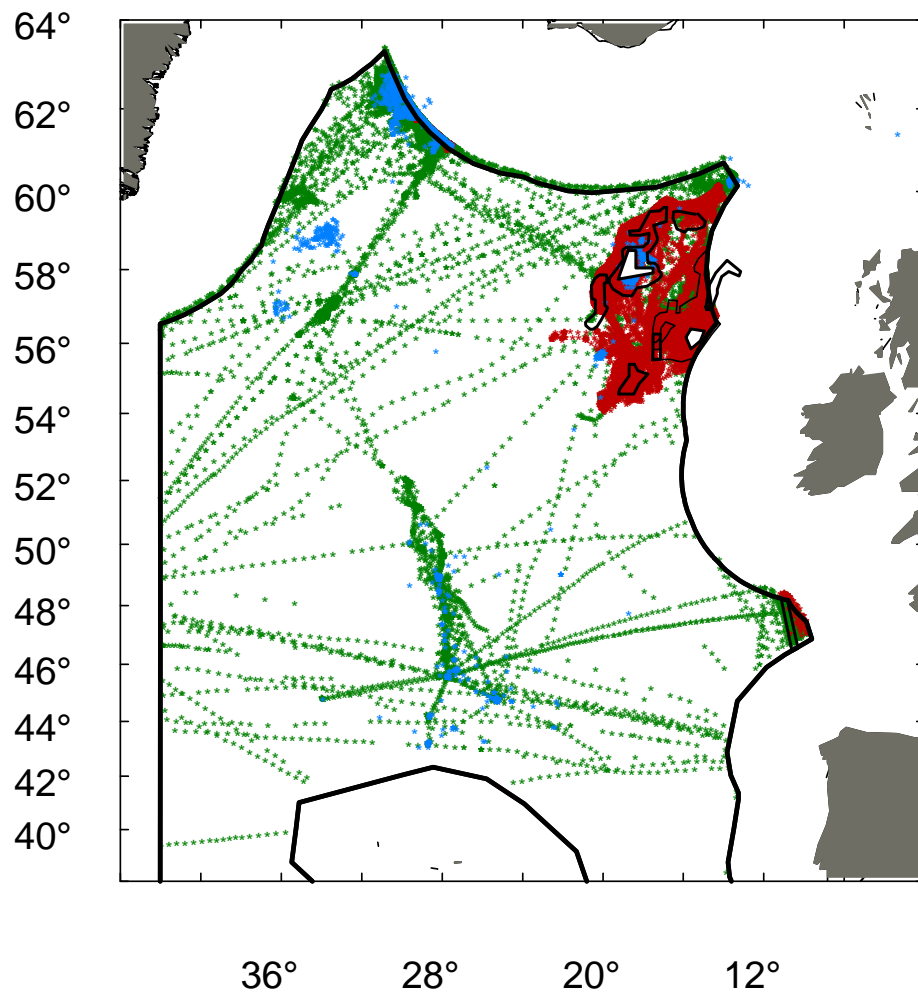


Figure 2.1. NEAFC VMS database and new data from Spain and Faroe Islands. Order of plotting; NEAFC, Spain, Faroe Islands.

4. Amendments to existing to fishing area – Hatton and Rockall Bank

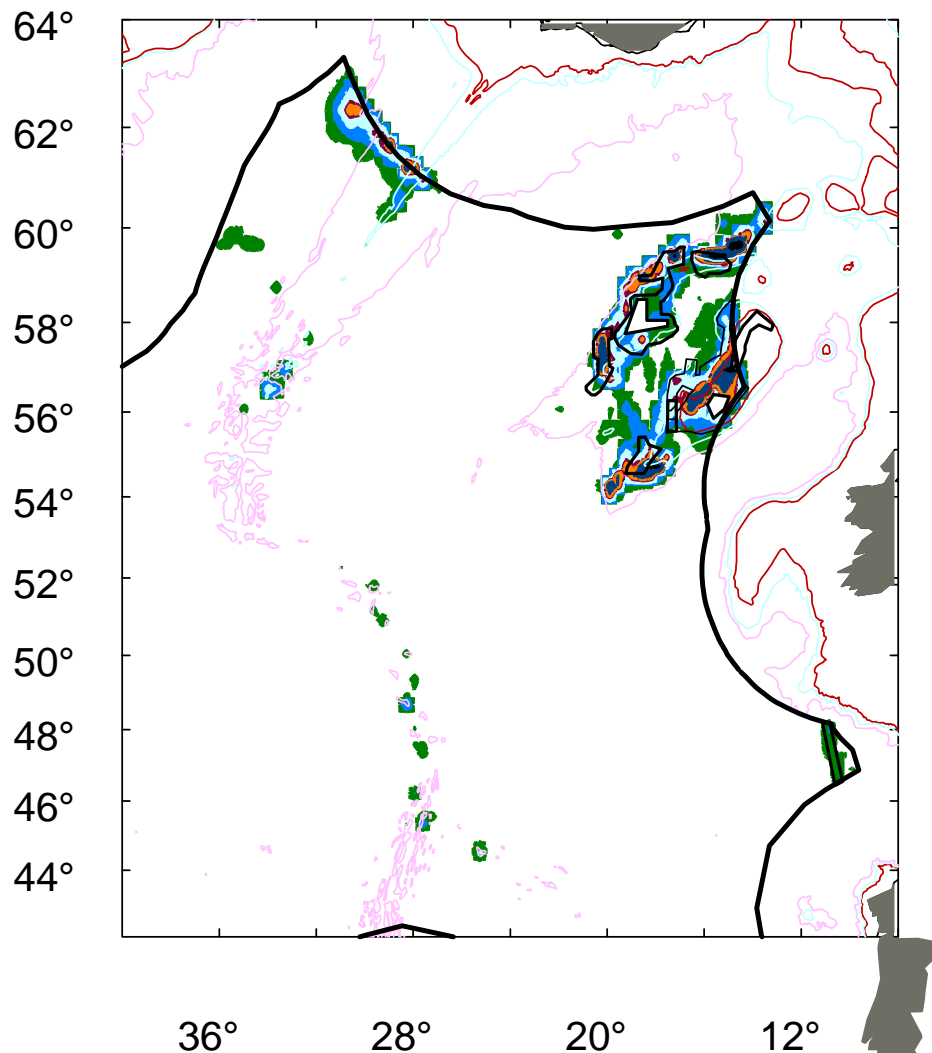
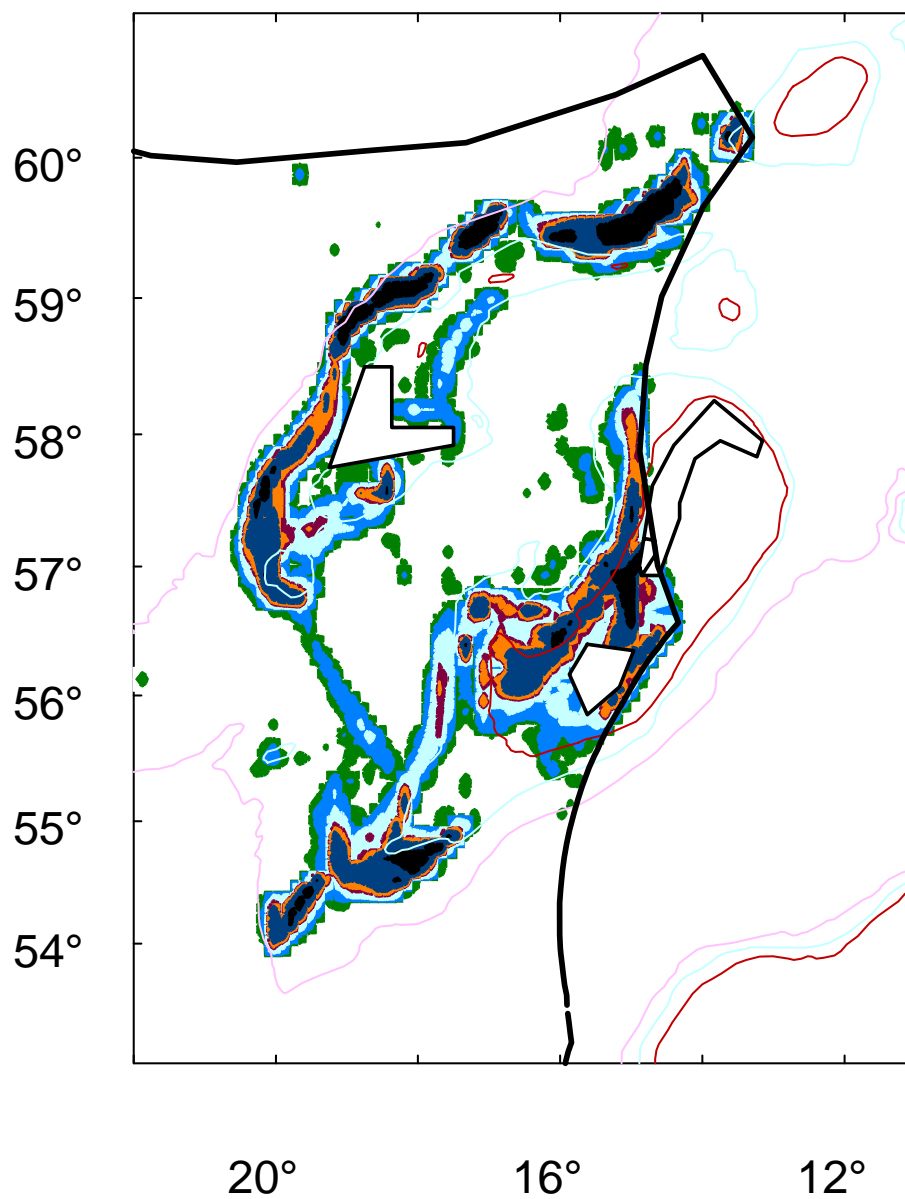


Figure 2.2. Contour plot of VMS data given in Figure x. Existing fishing areas are shown as well as closed areas on Hatton and Rockall.



3.1. Contour plot showing areas where fishing effort is highest. The plot is based on all existing VMS data. Areas where number of registrations at given position is less than 5 are excluded.

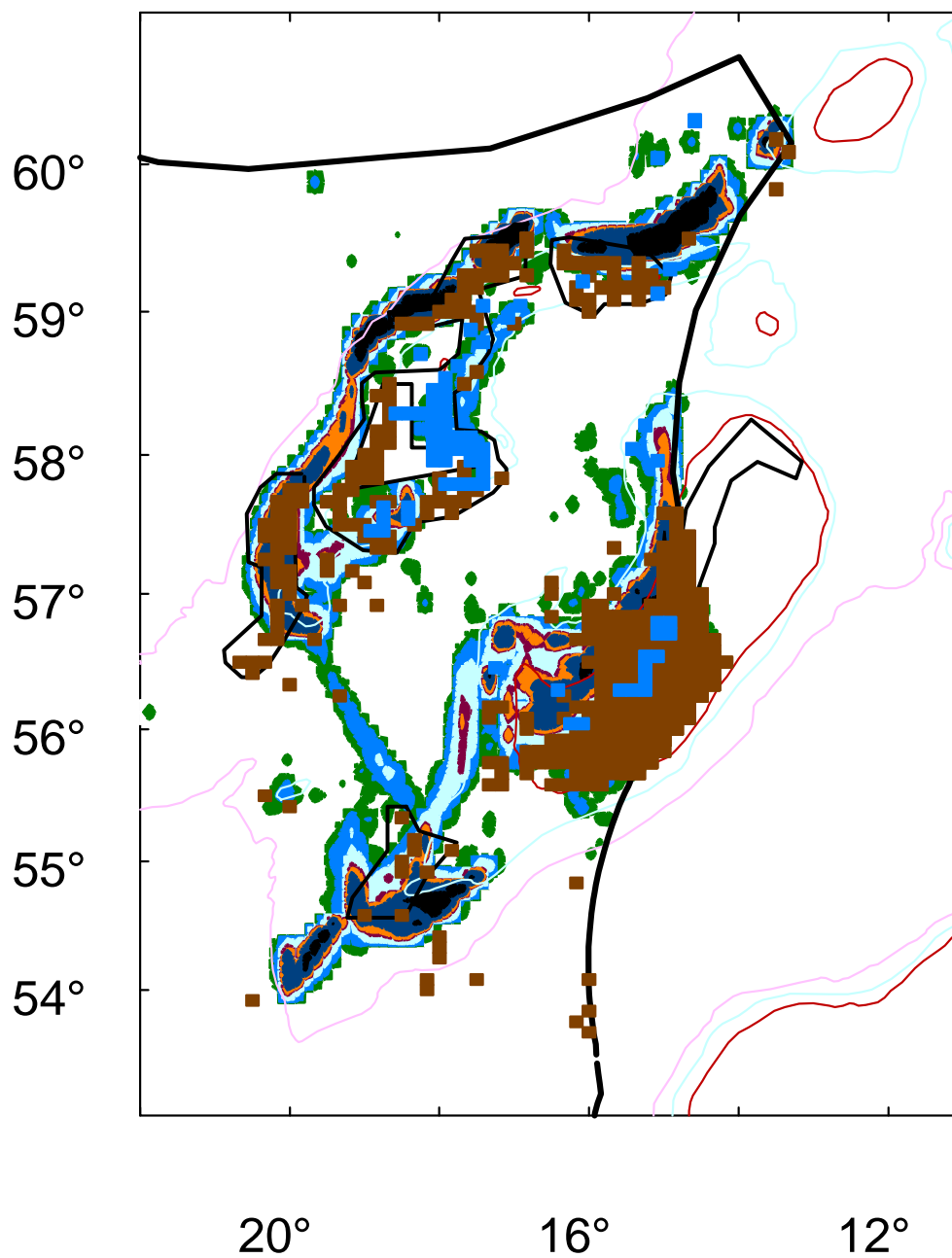


Figure 3.2. Same as Figure 3.1 with fisheries data from Russia (brown) and Iceland (blue). The Russian and Icelandic data along with NEAFC VMS data where used in 2008 while defining "existing fishing areas" (see figure 3.3).

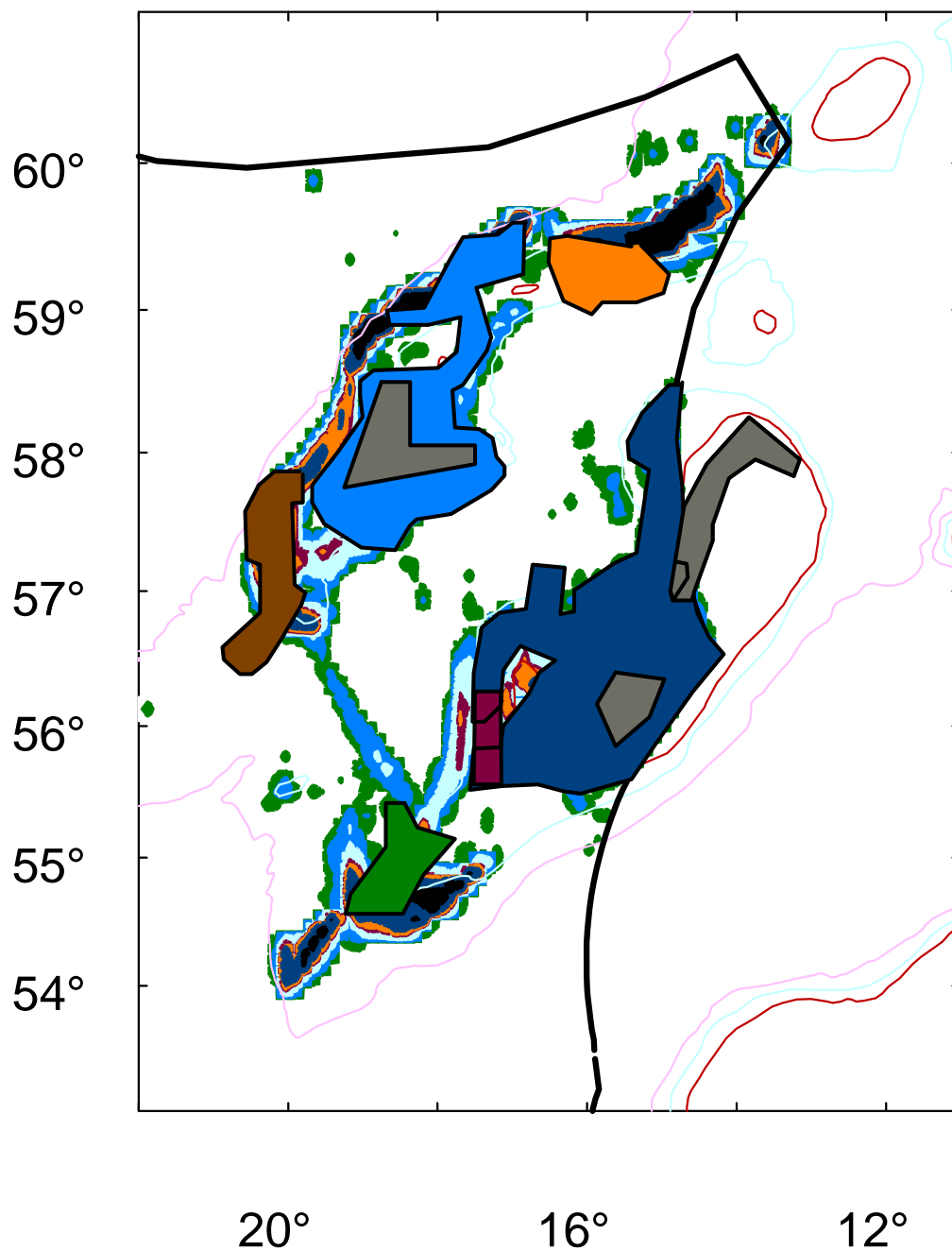


Figure 3.3. Contour plot showing areas where fishing effort is highest. The plot is based on all existing VMS data. Existing fishing areas are shown in different colors and closed areas are shown in grey. Some closed areas might be lacking on the figure.

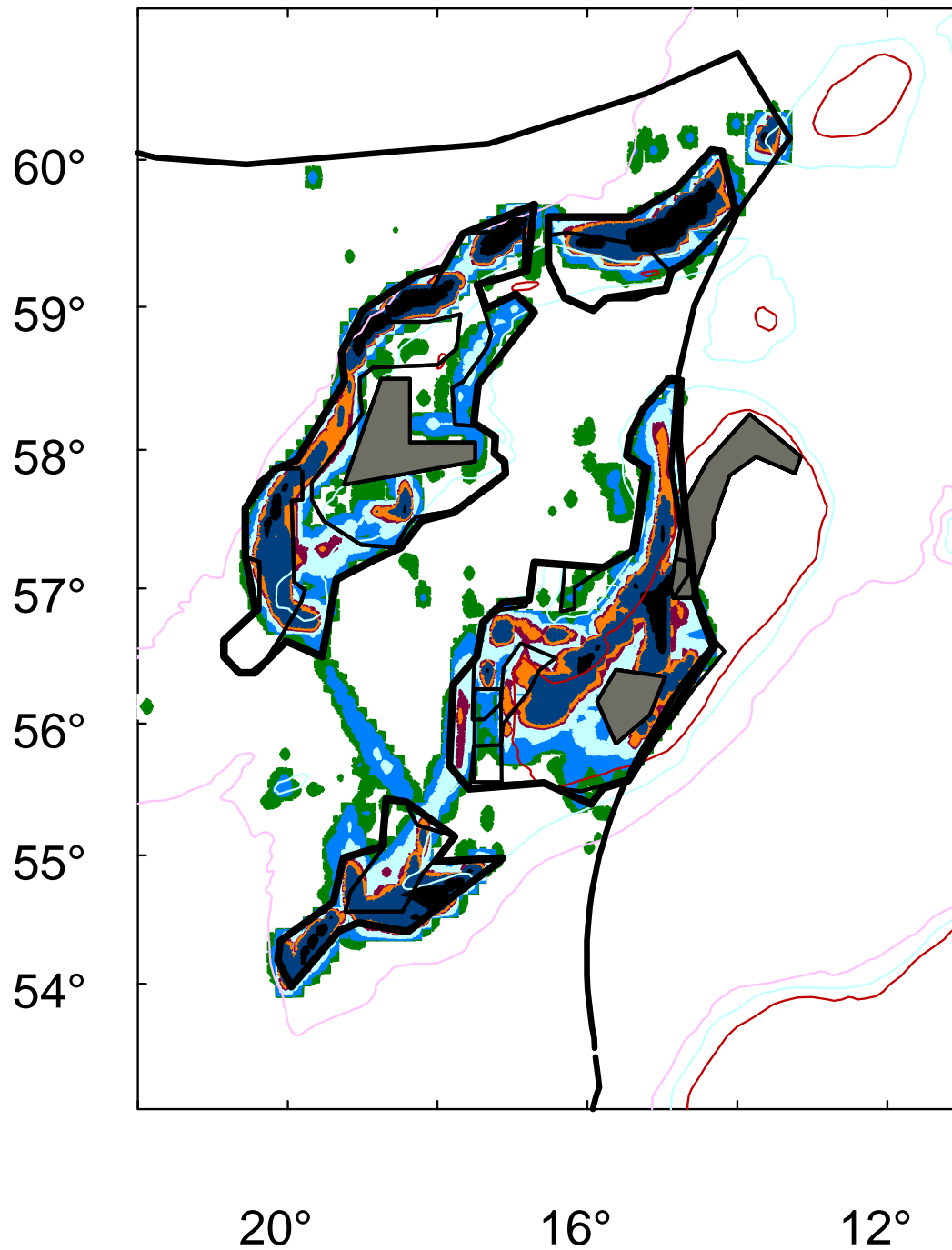


Figure 3.4. Suggestion for new definition of “existing fishing areas” on Hatton and Rockall areas. New suggestions are in bold. Existing areas, defined in 2008 are also shown as well as contour of effort data. See also Figure 3.5.

a) Map of proposal for 4 existing fisheries area in the Hatton-Rockall Bank area

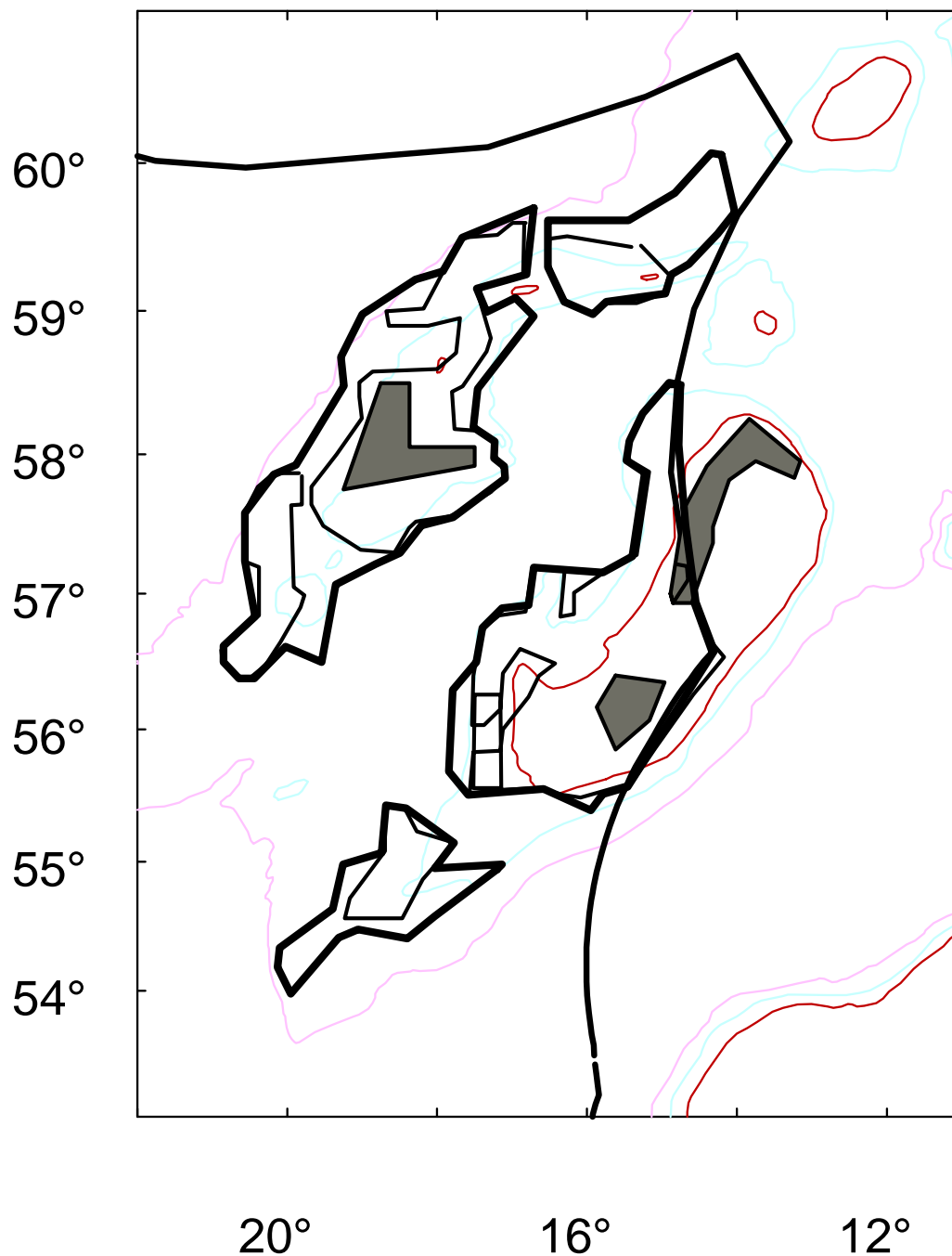


Figure 3.5. Suggested of “existing fishing areas” on Hatton and Rockoll areas. New suggestions are in bold. Existing areas, defined in 2008 are also shown. Positions are given below.

b) Coordinates for the proposed 4 new existing fishing areas in the Hatton – Rockall Bank Area

HAR 1

	lat	lon	LAT	LON
1	60.05567	-14.20475	600334	-141229
2	59.67083	-14.02749	594025	-140165
3	59.52617	-14.25622	593157	-141537
4	59.31967	-14.63934	591918	-143836
5	59.24950	-14.87379	591497	-145243
6	59.11783	-14.95385	590707	-145723
7	59.06200	-15.74297	590372	-154458
8	58.97650	-15.92023	585859	-155521
9	59.06200	-16.30335	590372	-161820
10	59.29917	-16.52065	591795	-163124
11	59.61600	-16.52065	593696	-163124
12	59.61600	-15.44562	593696	-152674
13	59.80050	-14.82804	594803	-144968
14	60.06700	-14.34199	600402	-142052
15	60.05567	-14.20475	600334	-141229

HAR 2

	lat	lon	LAT	LON
1	59.69975	-16.70935	594199	-164256
2	59.24958	-16.80656	591497	-164839
3	59.15296	-17.46988	590918	-172819
4	58.99131	-17.33836	585948	-172030
5	59.08839	-16.95524	590530	-165731
6	58.96184	-16.70935	585771	-164256
7	58.45995	-17.45844	582760	-172751
8	58.18971	-17.51563	581138	-173094
9	58.09011	-17.22971	580541	-171378
10	57.97203	-17.24115	575832	-171447
11	57.91437	-17.10391	575486	-170623
12	57.82922	-17.09247	574975	-170555
13	57.55109	-17.78438	573307	-174706
14	57.49275	-18.20753	572956	-181245
15	57.29554	-18.49345	571773	-182961
16	57.21512	-18.81939	571291	-184916
17	57.06620	-19.35119	570397	-192107
18	56.49922	-19.53989	562995	-193239
19	56.61268	-20.02022	563676	-200121
20	56.37910	-20.43765	562275	-202626
21	56.37910	-20.64351	562275	-203861
22	56.49922	-20.84937	562995	-205096
23	56.61897	-20.84937	563714	-205096
24	56.83543	-20.42622	565013	-202557
25	57.23679	-20.56346	571421	-203381
26	57.58176	-20.56346	573491	-203381
27	57.85661	-20.18033	575140	-201082
28	57.92348	-19.88298	575541	-195298
29	58.48089	-19.24254	582885	-191455
30	58.68061	-19.28257	584084	-191695
31	58.97658	-18.99665	585859	-185980
32	59.21447	-18.28759	591287	-181726

33	59.27003	-17.92162	591620	-175530
34	59.50009	-17.66430	593001	-173986
35	59.69975	-16.70935	594199	-164256

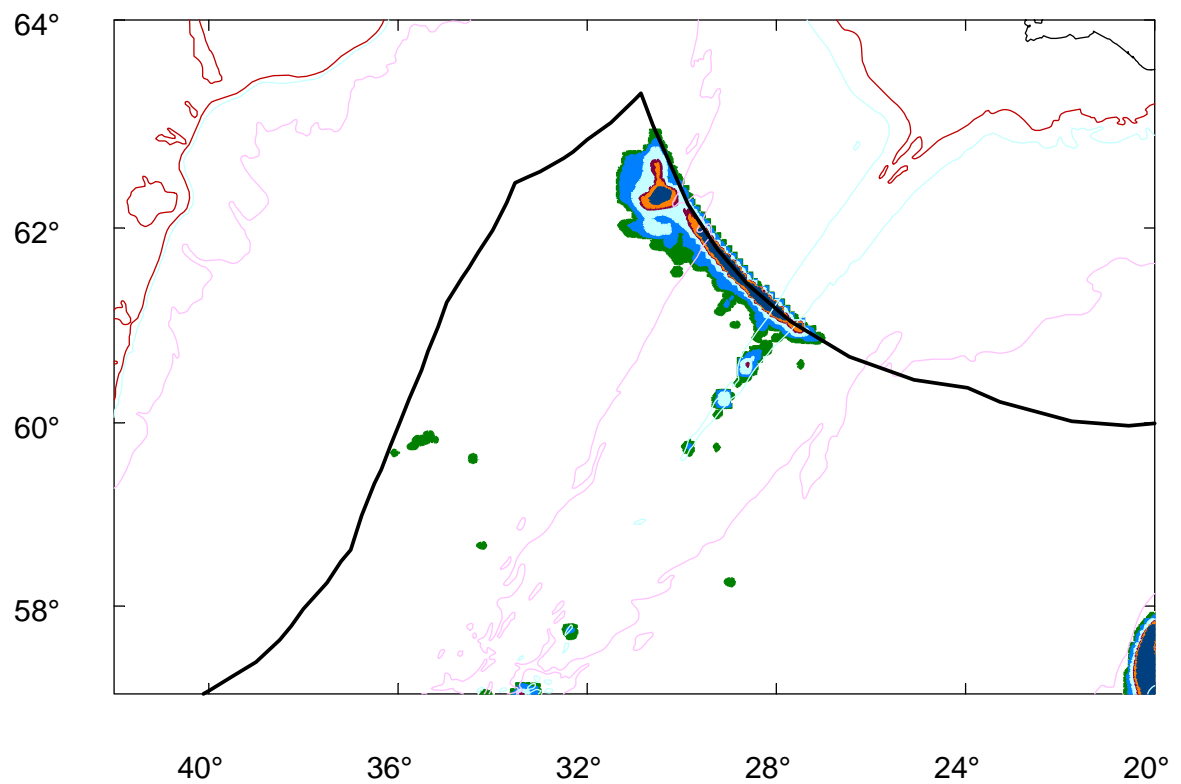
HAR 3

	lat	lon	LAT	LON
1	54.94064	-17.20112	545644	-171207
2	54.58101	-18.03027	543486	-180182
3	54.40831	-18.39624	542450	-182377
4	54.47814	-19.05384	542869	-190323
5	54.41497	-19.31116	542490	-191867
6	53.97674	-19.95160	535860	-195710
7	54.18473	-20.12887	541108	-200773
8	54.33503	-20.10028	542010	-200602
9	54.63731	-19.39121	543824	-192347
10	54.98003	-19.25398	545880	-191524
11	55.06854	-18.73933	550411	-184436
12	55.43033	-18.68215	552582	-184093
13	55.40761	-18.41339	552446	-182480
14	55.14377	-17.77295	550863	-174638
15	54.95049	-18.03027	545703	-180182
16	54.98003	-17.13250	545880	-170795
17	54.94064	-17.20112	545644	-171207

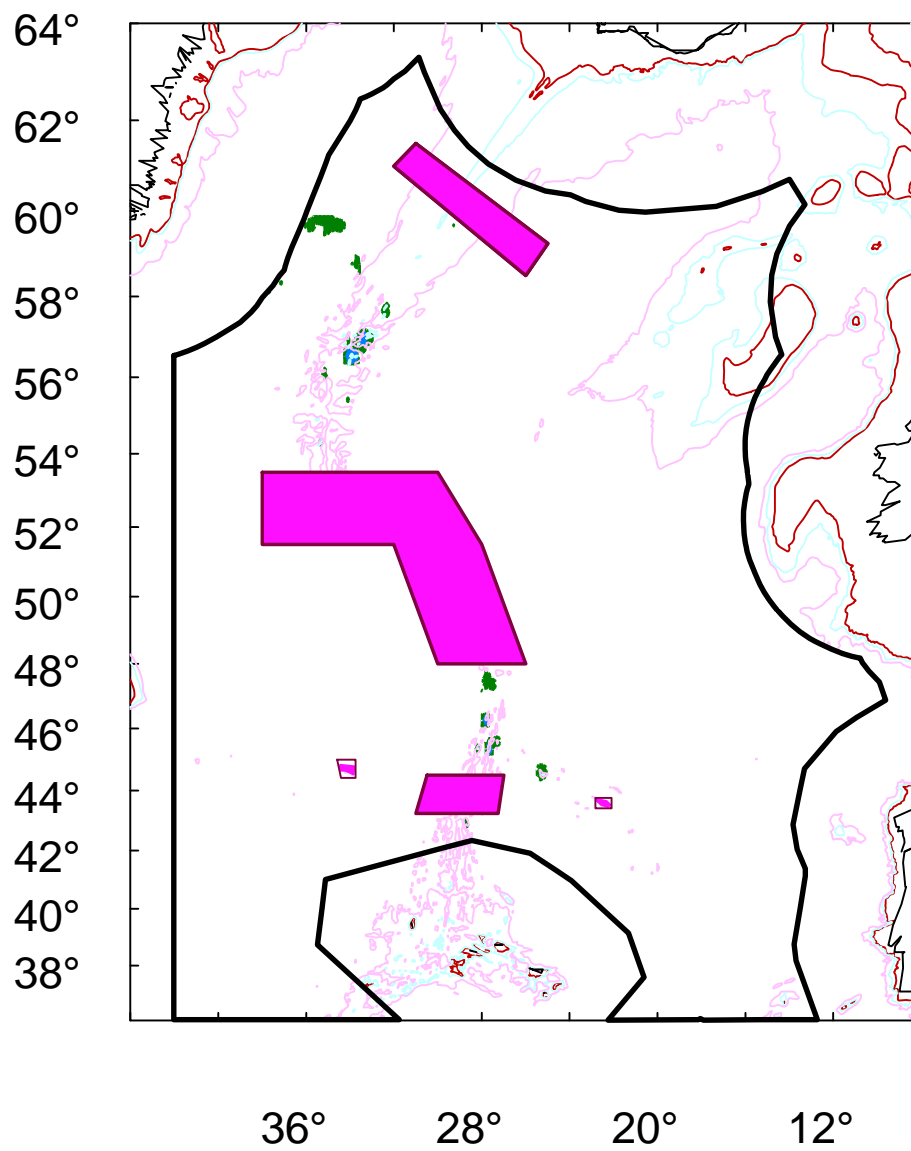
HAR 4

	lat	lon	LAT	LON
1	58.48687	-14.75371	582921	-144522
2	58.06592	-14.77658	580396	-144659
3	57.49275	-14.68509	572956	-144111
4	56.93852	-14.54785	565631	-143287
5	56.58119	-14.30197	563487	-141812
6	55.56960	-15.45705	553418	-152742
7	55.51460	-15.78871	553088	-154732
8	55.39138	-15.94882	552348	-155693
9	55.55343	-16.57783	553321	-163467
10	55.50812	-17.58425	553049	-173505
11	55.68582	-17.84157	554115	-175049
12	56.29351	-17.79010	561761	-174741
13	56.49922	-17.47560	562995	-172854
14	56.75088	-17.39554	564505	-172373
15	56.89482	-17.13250	565369	-170795
16	56.91667	-16.77797	565500	-164668
17	57.19035	-16.70935	571142	-164256
18	57.15315	-15.78871	570919	-154732
19	57.27082	-15.39415	571625	-152365
20	57.86878	-15.22832	575213	-151370
21	57.95687	-15.47421	575741	-152845
22	58.09313	-15.43418	580559	-152605
23	58.28604	-15.25691	581716	-151541
24	58.50180	-14.90238	583011	-145414
25	58.48687	-14.75371	582921	-144522

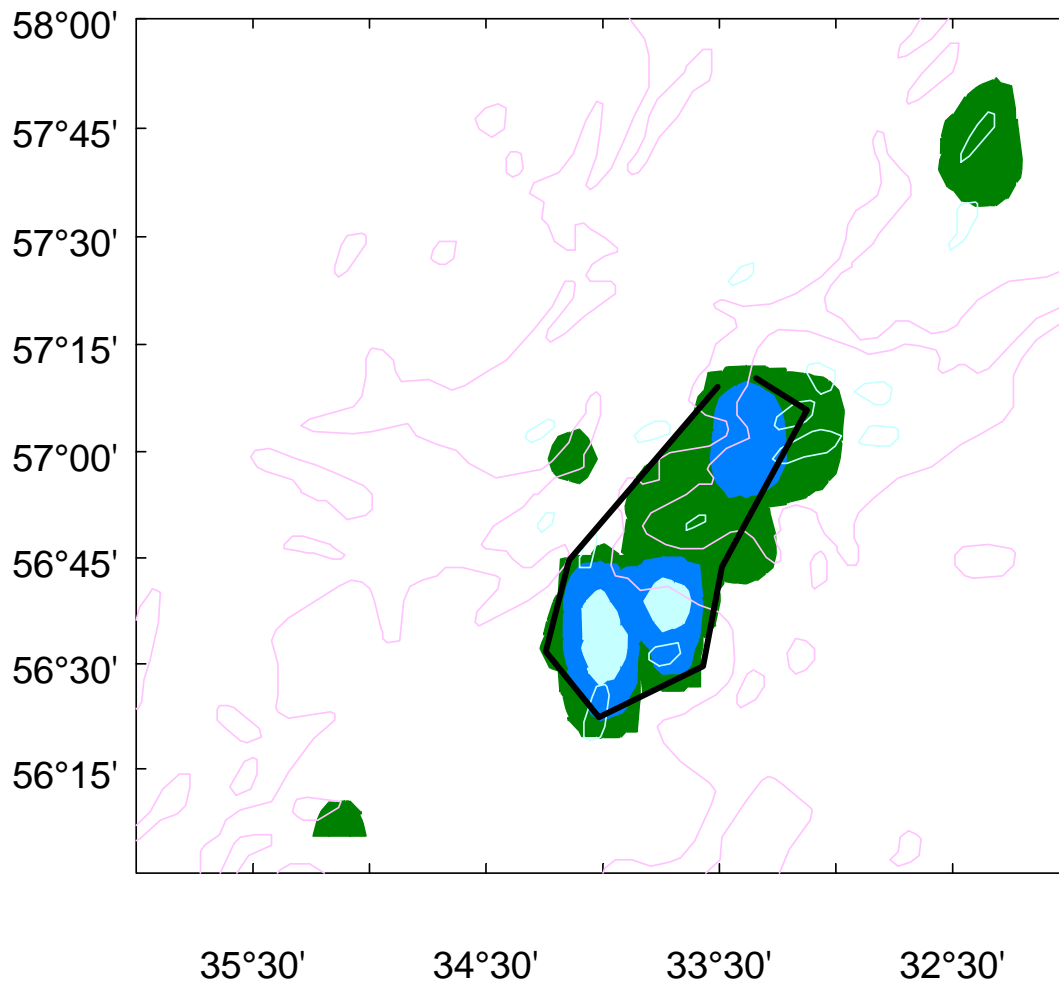
5. South of Iceland EEZ



6. Mid-Atlantic Ridge



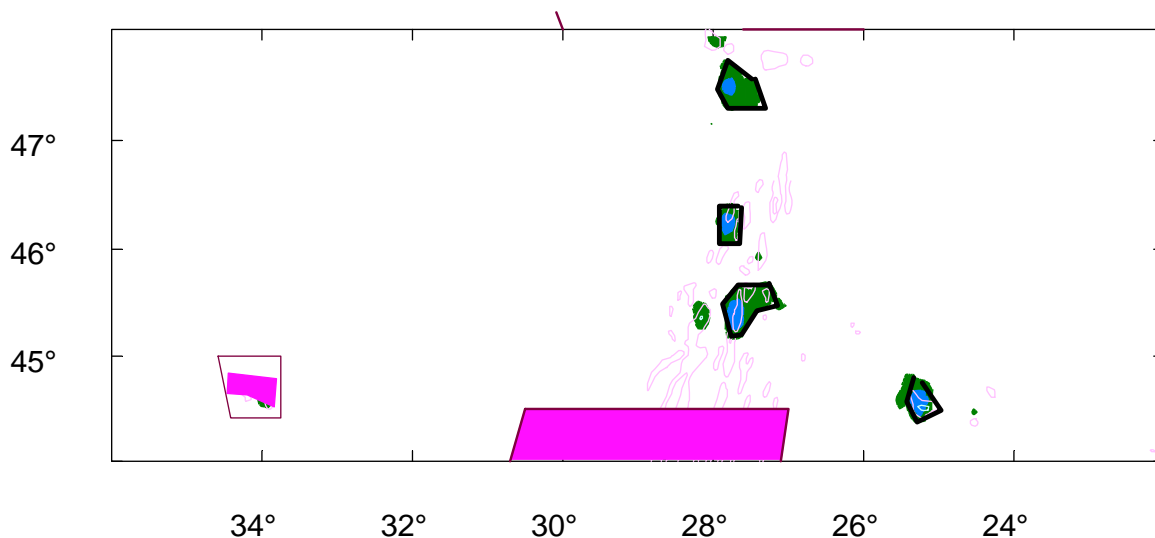
a) Mid- Atlantic Ridge Northern part. Proposal for new existing fisheries area



i. Positions proposed for new existing fishing area New MAR 1

	lat	lon	LAT	LON
1	57.17172	-33.34189	571030	-332051
2	57.09757	-33.12413	570585	-330745
3	56.72929	-33.48849	564376	-332931
4	56.49432	-33.56962	562966	-333418
5	56.37313	-34.01653	562239	-340099
6	56.52887	-34.24425	563173	-341466
7	56.74490	-34.14462	564469	-340868
8	57.15165	-33.50699	570910	-333042

b) Mid- Atlantic Ridge Southern part. Proposal for four new existing fisheries area



ii. Positions proposed new existing fishing area New MAR 2

	lat	lon	LAT	LON
1	44.74949	-25.21871	444497	-251312
2	44.48731	-24.96838	442924	-245810
3	44.37494	-25.28666	442250	-251720
4	44.56889	-25.42612	443413	-252557
5	44.79772	-25.33314	444786	-251999

iii. Positions proposed new existing fishing area New MAR 3

	lat	lon	LAT	LON
1	45.68403	-27.25707	454104	-271542
2	45.47629	-27.14263	452858	-270856
3	45.42863	-27.41799	452572	-272508
4	45.20230	-27.62182	451214	-273731
5	45.18718	-27.76129	451123	-274568
6	45.49134	-27.87573	452948	-275254
7	45.66904	-27.66831	454014	-274010
8	45.66904	-27.25707	454014	-271542

iv. Positions proposed new existing fishing area New MAR 4

	lat	lon	LAT	LON
1	46.38435	-27.62182	462306	-273731
2	46.05280	-27.64686	460317	-273881
3	46.05280	-27.91864	460317	-275512
4	46.39915	-27.91864	462395	-275512
5	46.39915	-27.66831	462395	-274010

v. Positions proposed new existing fishing area New MAR 5

	lat	lon	LAT	LON
1	47.55560	-27.43945	473334	-272637
2	47.29188	-27.30356	471751	-271821
3	47.29188	-27.80420	471751	-274825
4	47.46381	-27.94367	472783	-275662
5	47.72426	-27.80420	474346	-274825
6	47.55560	-27.48593	473334	-272916

7. Bay of Biscay

This existing fishing area is unchanged (4489 km²);

	lat	lon	LAT	LON
1	48.16965	-10.81804	481018	-104908
2	46.55805	-10.29569	463348	-101774
3	46.44995	-10.59271	462700	-103556
4	48.23109	-11.13555	481387	-110813
5	48.20152	-10.93070	481209	-105584

8. Size of the proposed areas

Names of the areas as given above in km²

Size of area HAR 1
8539

Size of area 2 HAR2
37772

Size of area 3 HAR 3
10270

Size of area 4 HAR 4
36575

Size of area 5 MAR 1
2917

Size of area 6 MAR 2
917

Size of area 7 MAR 3
1799

Size of area 8 MAR 4
843

Size of area 9 MAR 5
1434