

Annex 7 – Maps and Coordinates

Maps and Coordinates to the proposed Joint Recommendation for Conservation Measures under the Common Fisheries Policy

This document was drafted by the Dutch Ministry of Agriculture, Fisheries, Food Security and Nature in collaboration with the Netherlands Enterprise Agency.

Contents

1	Overview of Marine Protected Areas North Sea	4
2	Overview of Marine Protected Areas North Sea including oysters recovery- and fisheries research areas	5
3	Southern Dogger Bank	6
3.1	Coordinates Management zone Southern Dogger Bank	7
3.2	Coordinates Alert zone Southern Dogger Bank	7
4	Cleaver Bank	8
4.1	Coordinates Management zone Cleaver Bank	9
4.2	Coordinates Alert zone Cleaver Bank	9
5	Frisian Front	10
5.1	Coordinates Management zones Frisian Front	11
5.2	Coordinates Alert zone Frisian Front	11
5.3	Coordinates oyster- and research areas Frisian Front	12
6	Central Oyster Grounds	13
6.1	Coordinates Central Oyster Grounds	14
6.2	Coordinates Central Oyster Grounds	14
7	Borkum Reef Grounds	15
7.1	Coordinates Management zone Borkum Reef Grounds	16
8	Brown Ridge	17
8.1	Coordinates Management Zone Brown Ridge	18
8.2	Coordinates Alert zone Brown Ridge	18

1 Overview of Marine Protected Areas North Sea

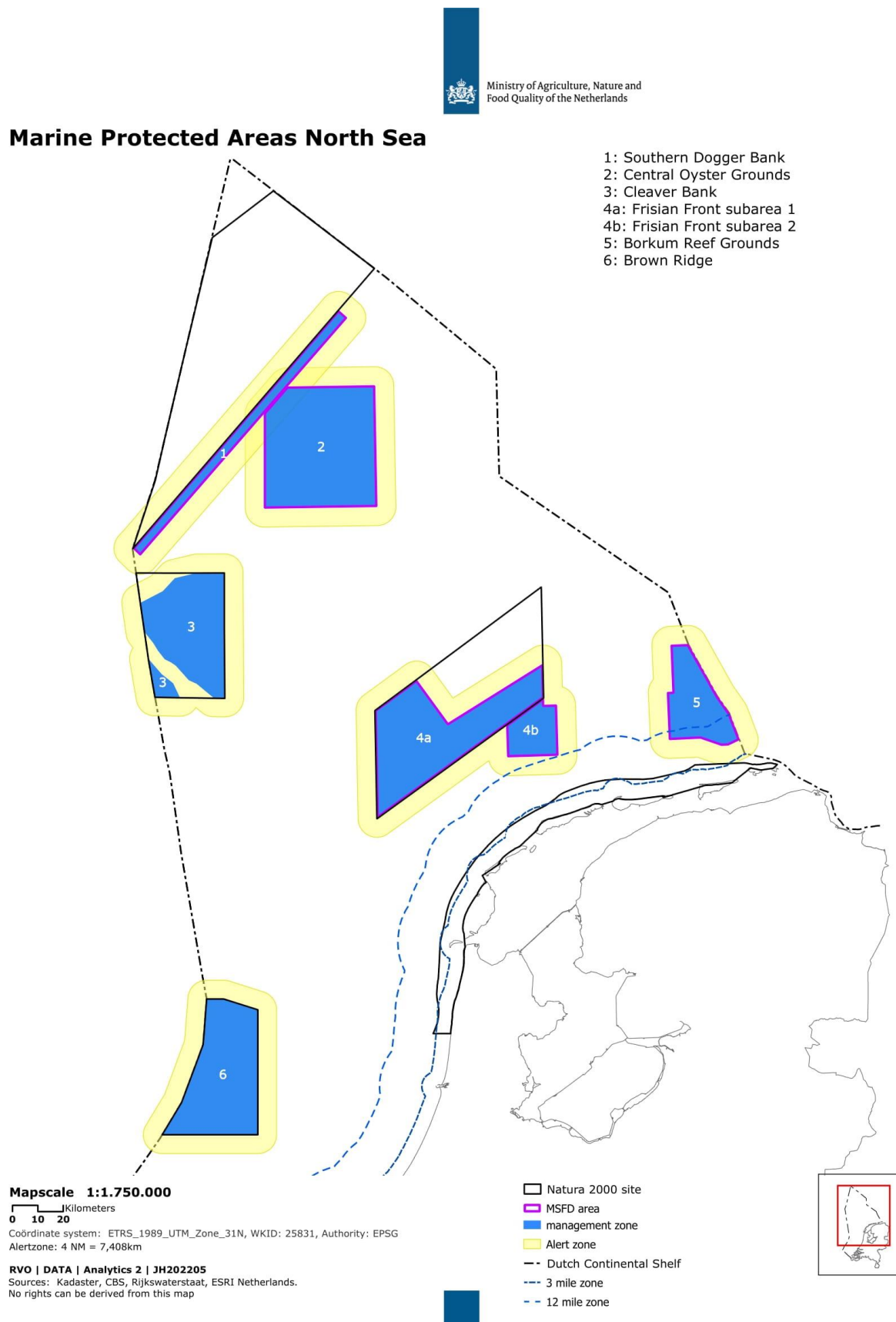


Figure 1: Map with an overview of marine protected areas in the North Sea in the Dutch Exclusive Economic Zone as proposed in the Dutch proposal of 23-05-2022.

2 Overview of Marine Protected Areas North Sea including oysters recovery- and fisheries research areas



Marine Protected Areas North Sea

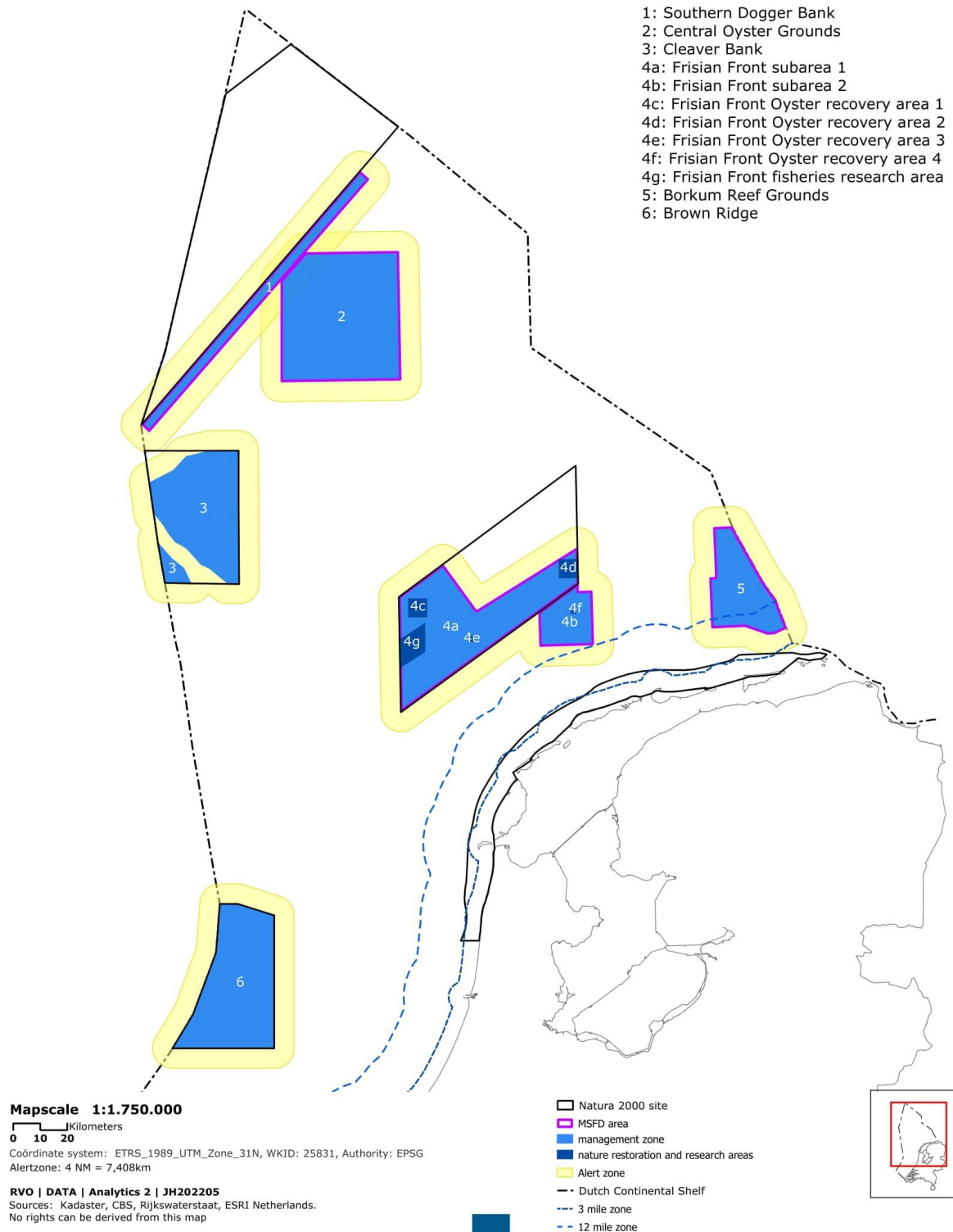


Figure 2: Map with an overview of marine protected areas in the North Sea in the Dutch Exclusive Economic Zone as proposed in the Dutch proposal of 23-05-2022 including the designated areas for oyster restoration areas and fisheries research areas on the Frisian Front.

3 Southern Dogger Bank



Ministry of Agriculture, Nature and
Food Quality of the Netherlands

Southern Dogger Bank

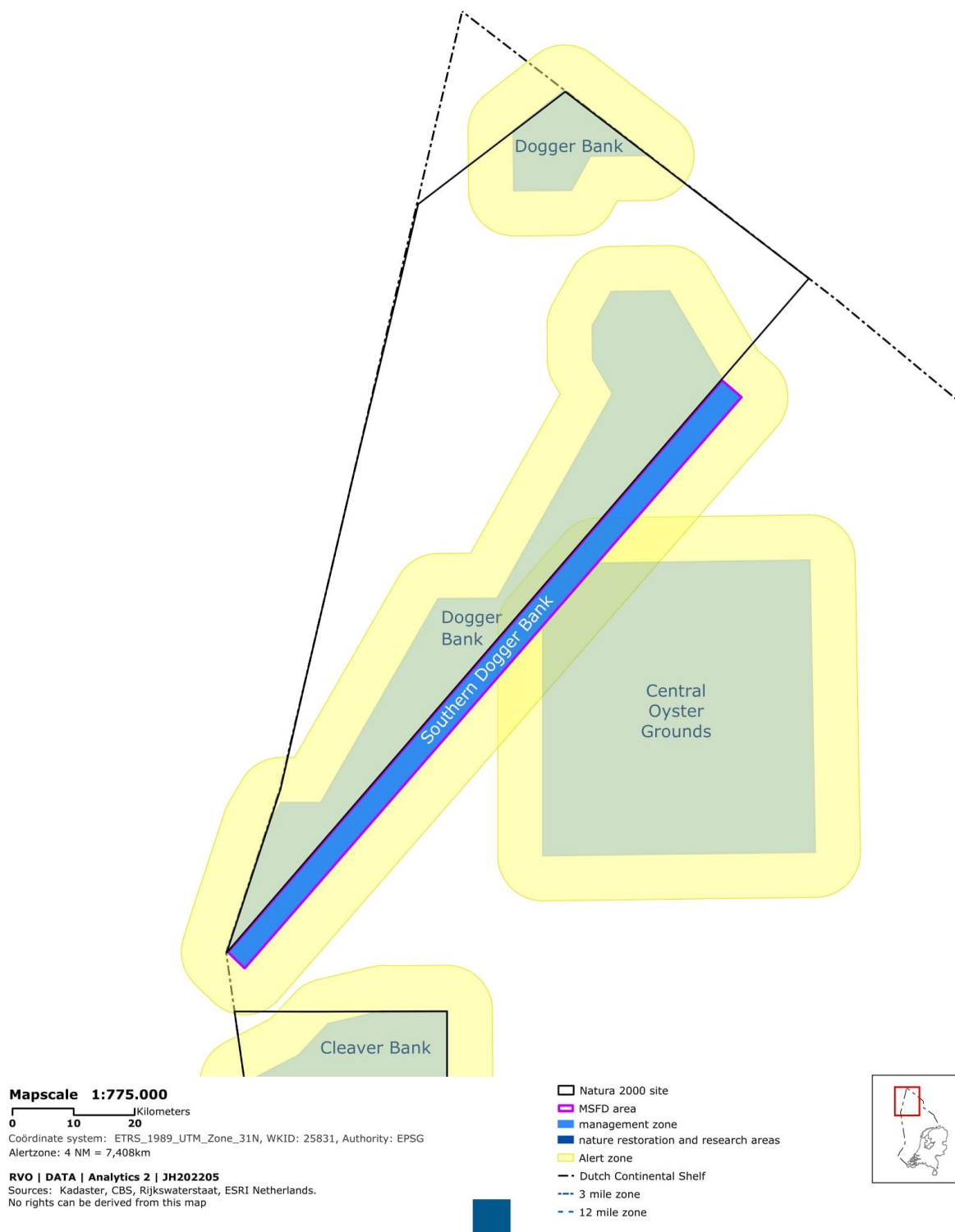


Figure 3: Map of the Southern Dogger Bank. Note that the Joint Recommendation and article 11 procedure for the Natura 2000 site Dogger Bank was put on hold as requested by the EC in March 2020. The proposed measures for the Natura 2000 Dogger Bank site are not in force yet. Nevertheless they are indicated in this map to show the connection with the Southern Dogger Bank and the combined alert zone.

3.1 Coordinates Management zone Southern Dogger Bank

Area code	Area name	ID-point	Latitude	Longitude
1	Southern Dogger Bank	MZ1	54,37812629	2,76217069
1	Southern Dogger Bank	MZ2	55,21953907	4,03258871
1	Southern Dogger Bank	MZ3	55,19276844	4,08520502
1	Southern Dogger Bank	MZ4	54,35297541	2,80691562

* WGS84 Decimal Degrees

3.2 Coordinates Alert zone Southern Dogger Bank

Area code	Area name	ID-point	Latitude	Longitude
1	Southern Dogger Bank	AZ1	54,42140460	2,67545910
1	Southern Dogger Bank	AZ2	55,26372143	3,94544936
1	Southern Dogger Bank	AZ3	55,28565543	4,01907931
1	Southern Dogger Bank	AZ4	55,26926252	4,11004820
1	Southern Dogger Bank	AZ5	55,24245865	4,16267718
1	Southern Dogger Bank	AZ6	55,19603311	4,20142768
1	Southern Dogger Bank	AZ7	55,14830660	4,17175199
1	Southern Dogger Bank	AZ8	54,30941849	2,89307399
1	Southern Dogger Bank	AZ9	54,28694179	2,79237096
1	Southern Dogger Bank	AZ10	54,30499719	2,72793649
1	Southern Dogger Bank	AZ11	54,38220284	2,64832972

* WGS84 Decimal Degrees

4 Cleaver Bank

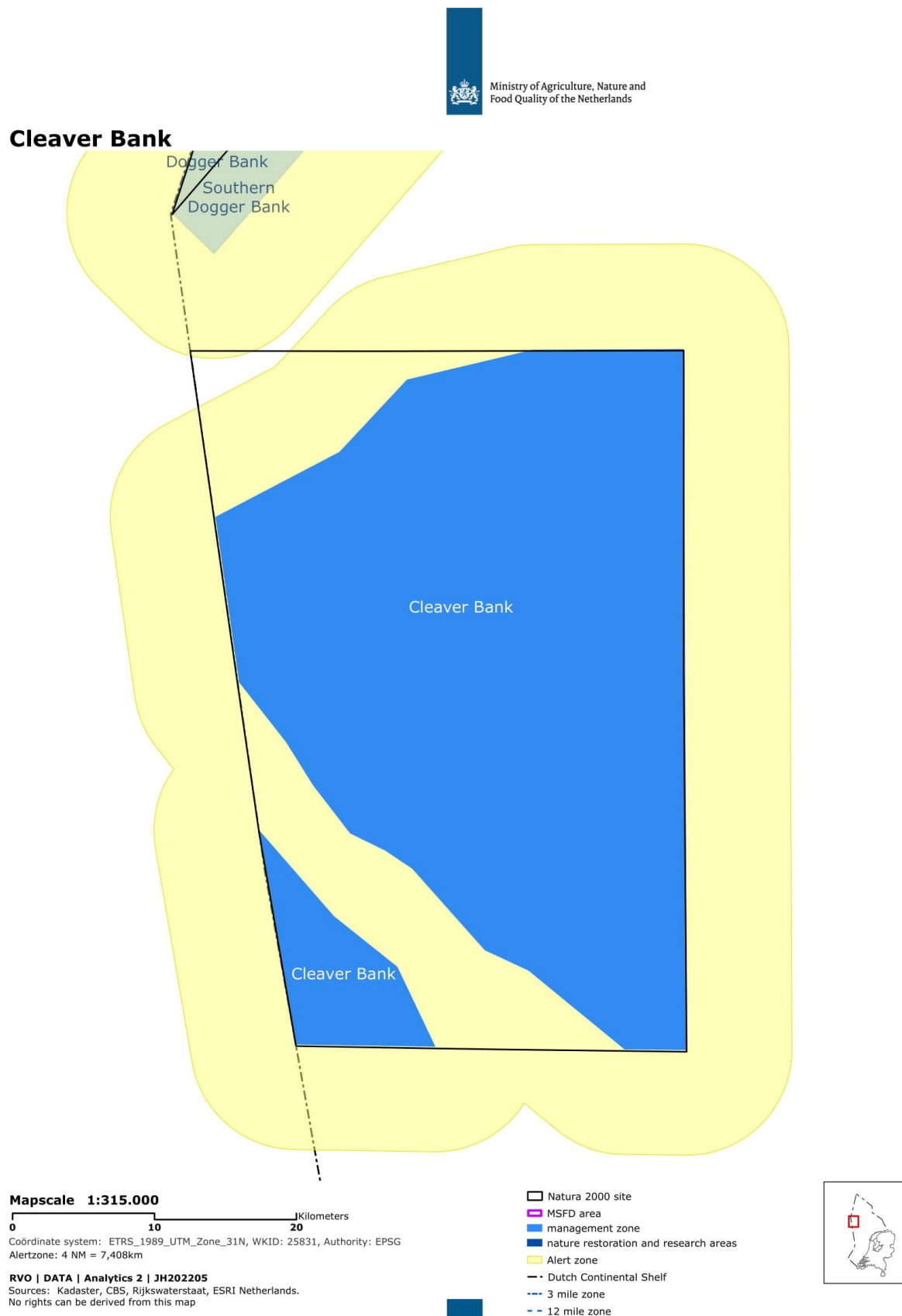


Figure 4: Map of the Cleaver Bank. See also the description of figure 3 about the Natura 2000 Dogger Bank site.

4.1 Coordinates Management zone Cleaver Bank

Area code	Area name	ID-point	Latitude	Longitude
3	Cleaver Bank	MZ5	53,98884733	2,85916833
3	Cleaver Bank	MZ6	53,93450060	2,93949476
3	Cleaver Bank	MZ7	53,90233803	3,00783286
3	Cleaver Bank	MZ8	53,85171721	3,04852527
3	Cleaver Bank	MZ9	53,85310703	2,89879200
3	Cleaver Bank	MZ10	54,08257418	2,83720107
3	Cleaver Bank	MZ11	54,18739886	2,81122783
3	Cleaver Bank	MZ12	54,22865966	2,94500529
3	Cleaver Bank	MZ13	54,27449786	3,01799949
3	Cleaver Bank	MZ14	54,29332870	3,15400050
3	Cleaver Bank	MZ15	54,29347907	3,31793798
3	Cleaver Bank	MZ16	53,84917962	3,31767102
3	Cleaver Bank	MZ17	53,84978286	3,25091376
3	Cleaver Bank	MZ18	53,89983676	3,14833804
3	Cleaver Bank	MZ19	53,91284147	3,10149624
3	Cleaver Bank	MZ20	53,96449890	3,02366902
3	Cleaver Bank	MZ21	53,97599430	2,99467020
3	Cleaver Bank	MZ22	53,98699204	2,95667488
3	Cleaver Bank	MZ23	54,01749465	2,91683389
3	Cleaver Bank	MZ24	54,04466524	2,88800327

* WGS84 Decimal Degrees

4.2 Coordinates Alert zone Cleaver Bank

Area code	Area name	ID-point	Latitude	Longitude
3	Cleaver Bank	AZ12	54,17775155	2,69896059
3	Cleaver Bank	AZ13	54,24625608	2,75821765
3	Cleaver Bank	AZ14	54,33924399	2,99166449
3	Cleaver Bank	AZ15	54,35810420	3,12786714
3	Cleaver Bank	AZ16	54,36003129	3,31789168
3	Cleaver Bank	AZ17	54,36003129	3,31793798
3	Cleaver Bank	AZ18	54,33798161	3,40257707
3	Cleaver Bank	AZ19	54,29340177	3,43170809
3	Cleaver Bank	AZ20	53,84910343	3,43023293
3	Cleaver Bank	AZ21	53,78262995	3,31590087
3	Cleaver Bank	AZ22	53,81596907	3,14342416
3	Cleaver Bank	AZ23	53,78516865	3,04664250
3	Cleaver Bank	AZ24	53,80043537	2,83001492
3	Cleaver Bank	AZ25	53,84177234	2,78787877
3	Cleaver Bank	AZ26	54,02741757	2,76709482

* WGS84 Decimal Degrees

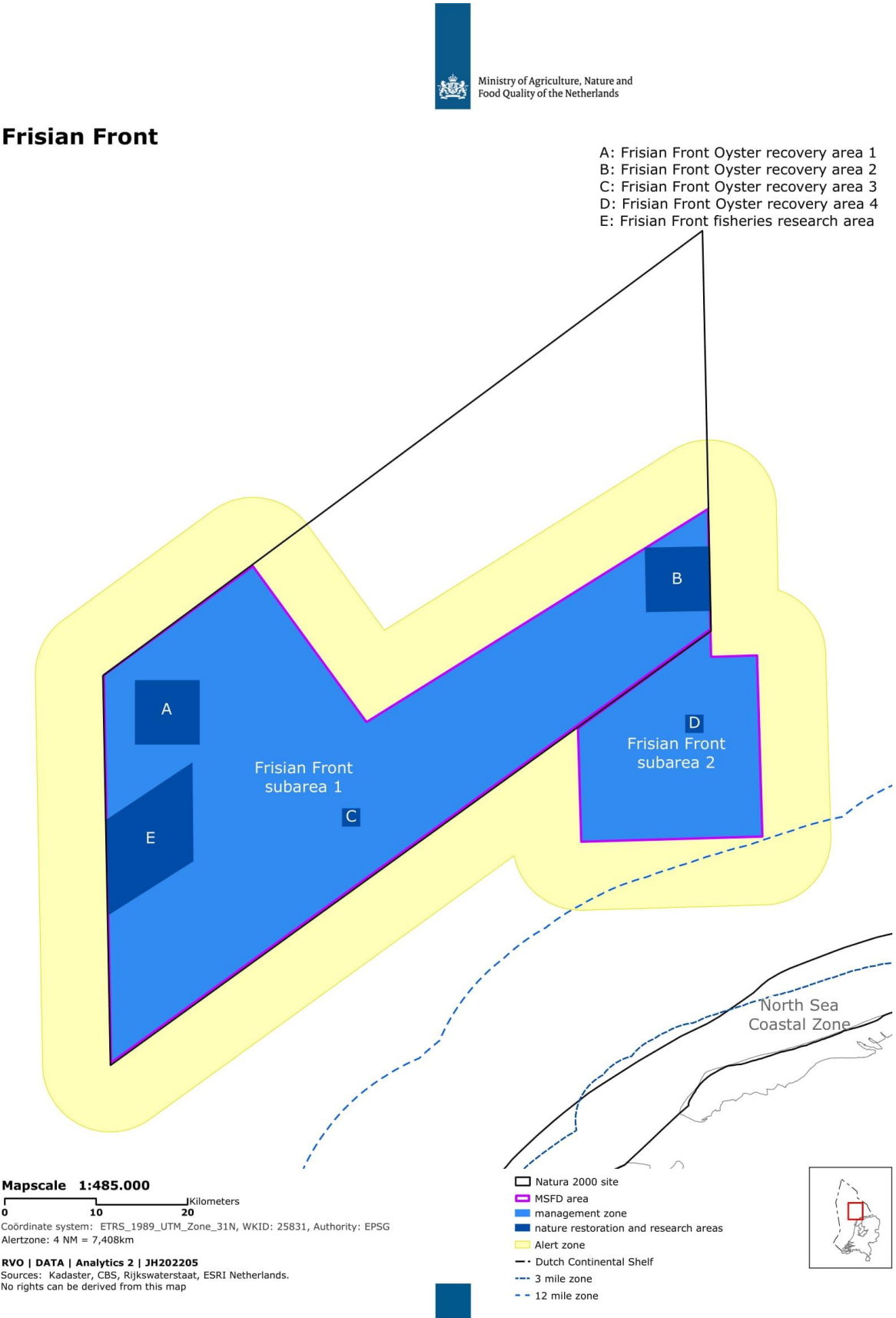


Figure 5: Map of the Frisian Front. Areas A - D are designated for active oyster restoration projects. Area E is designated for fisheries research.

5.1 Coordinates Management zones Frisian Front

5.1.1 Frisian Front subarea 1

Area code	Area name	ID-point	Latitude	Longitude
4	Frisian Front subarea 1	MZ25	53,41647000	4,21599000
4	Frisian Front subarea 1	MZ26	53,79984000	4,21497000
4	Frisian Front subarea 1	MZ27	53,90599884	4,46645794
4	Frisian Front subarea 1	MZ28	53,74900831	4,65109571
4	Frisian Front subarea 1	MZ29	53,94970424	5,22910439
4	Frisian Front subarea 1	MZ30	53,83092460	5,22752450

* WGS84 Decimal Degrees

5.1.2 Frisian Front subarea 2

Area code	Area name	ID-point	Latitude	Longitude
4	Frisian Front subarea 2	MZ31	53,80485100	5,22671100
4	Frisian Front subarea 2	MZ32	53,80485091	5,22671094
4	Frisian Front subarea 2	MZ33	53,80467855	5,30361621
4	Frisian Front subarea 2	MZ34	53,62496422	5,30231897
4	Frisian Front subarea 2	MZ35	53,62534343	4,99999209
4	Frisian Front subarea 2	MZ36	53,83092460	5,22752450

* WGS84 Decimal Degrees

5.2 Coordinates Alert zone Frisian Front

Area code	Area name	ID-point	Latitude	Longitude
4	Frisian Front	AZ27	53,36432326	4,14673027
4	Frisian Front	AZ28	53,41631030	4,10453784
4	Frisian Front	AZ29	53,79968423	4,10250366
4	Frisian Front	AZ30	53,85393953	4,14937288
4	Frisian Front	AZ31	53,96023383	4,40102451
4	Frisian Front	AZ32	53,96857868	4,50495793
4	Frisian Front	AZ33	53,94405667	4,55900792
4	Frisian Front	AZ34	53,83787450	4,68383967
4	Frisian Front	AZ35	54,00723013	5,17228497
4	Frisian Front	AZ36	54,00119109	5,30067263
4	Frisian Front	AZ37	53,94899830	5,34194367
4	Frisian Front	AZ38	53,86755632	5,34037481
4	Frisian Front	AZ39	53,84343056	5,39509184
4	Frisian Front	AZ40	53,80433770	5,41606878
4	Frisian Front	AZ41	53,62462988	5,41429309
4	Frisian Front	AZ42	53,58617593	5,39327944
4	Frisian Front	AZ43	53,55839673	5,30184702
4	Frisian Front	AZ44	53,55877070	4,99999514
4	Frisian Front	AZ45	53,56456927	4,95431237
4	Frisian Front	AZ46	53,61313853	4,88996229
4	Frisian Front	AZ47	53,36185671	4,27970475
4	Frisian Front	AZ48	53,35186760	4,24295691

* WGS84 Decimal Degrees

5.3 Coordinates oyster- and research areas Frisian Front

Areacode	ID-point	Latitude_N_WGS84	Longitude_E_WGS84
4 Frisian Front Oyster A	74	53.73050878	4.265858592
4 Frisian Front Oyster A	75	53.79397089	4.26776883
4 Frisian Front Oyster A	76	53.79278666	4.375225291
4 Frisian Front Oyster A	77	53.72932728	4.373153253
4 Frisian Front Oyster A	78	53.73050878	4.265858592

Areacode	ID-point	Latitude_N_WGS84	Longitude_E_WGS84
4 Frisian Front Oyster B	79	53,84888582	5,119552738
4 Frisian Front Oyster B	80	53,91232625	5,120697463
4 Frisian Front Oyster B	81	53,91159841	5,228460349
4 Frisian Front Oyster B	82	53,84816055	5,227152771
4 Frisian Front Oyster B	83	53,84888582	5,119552738

Areacode	ID-point	Latitude_N_WGS84	Longitude_E_WGS84
4 Frisian Front Oyster C	125	53.64576974	4.606050944
4 Frisian Front Oyster C	126	53.66373944	4.606734205
4 Frisian Front Oyster C	127	53.66332959	4.636989625
4 Frisian Front Oyster C	128	53.64536016	4.636293511
4 Frisian Front Oyster C	129	53.64576974	4.606050944

Areacode	ID-point	Latitude_N_WGS84	Longitude_E_WGS84
4 Frisian Front Oyster D	130	53.7289479	5.178656273
4 Frisian Front Oyster D	131	53.74691141	5.179585867
4 Frisian Front Oyster D	132	53.74635627	5.209890846
4 Frisian Front Oyster D	133	53.72839312	5.208948351
4 Frisian Front Oyster D	134	53.7289479	5.178656273

Areacode	ID-point	Latitude_N_WGS84	Longitude_E_WGS84
4 Frisian Front Fish Res E	84	53.56356479	4.217697416
4 Frisian Front Fish Res E	85	53.65724052	4.216336965
4 Frisian Front Fish Res E	86	53.71208809	4.36077462
4 Frisian Front Fish Res E	87	53.61479125	4.359118044
4 Frisian Front Fish Res E	88	53.56356479	4.217697416

* WGS84 Decimal Degrees

6 Central Oyster Grounds

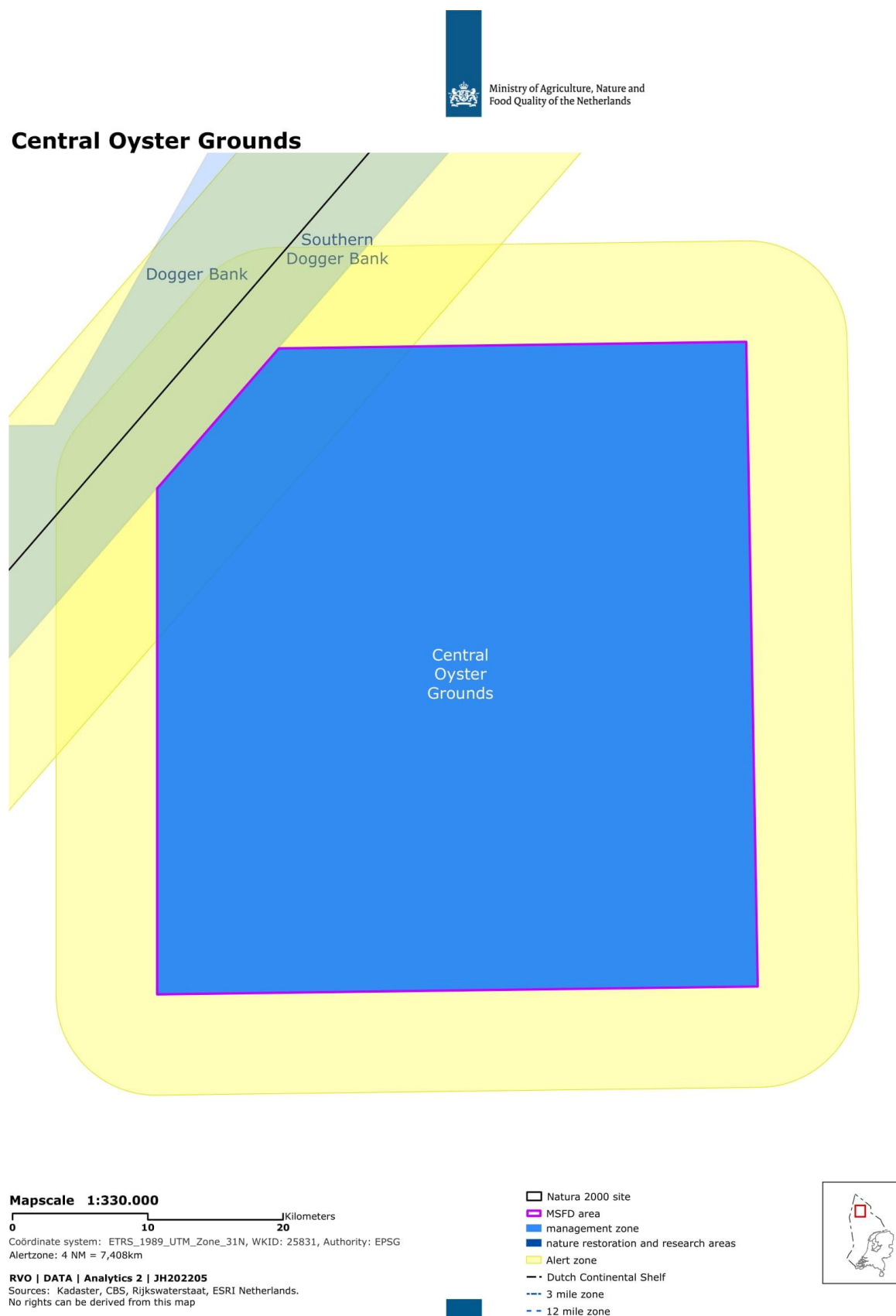


Figure 6: Map of the Central Oyster Grounds. See also Figure 3.

6.1 Coordinates Central Oyster Grounds

Area code	Area name	ID-point	Latitude	Longitude
2	Central Oyster Grounds	MZ37	54,95064602	3,70902587
2	Central Oyster Grounds	MZ38	54,95071371	4,24979974
2	Central Oyster Grounds	MZ39	54,52089502	4,24991130
2	Central Oyster Grounds	MZ40	54,52079797	3,56203921
2	Central Oyster Grounds	MZ41	54,85797352	3,56671779

* WGS84 Decimal Degrees

6.2 Coordinates Central Oyster Grounds

Area code	Area name	ID-point	Latitude	Longitude
2	Central Oyster Grounds	AZ49	55,01721538	3,70855353
2	Central Oyster Grounds	AZ50	55,01727962	4,25022300
2	Central Oyster Grounds	AZ51	54,99690624	4,33312390
2	Central Oyster Grounds	AZ52	54,95066561	4,36545490
2	Central Oyster Grounds	AZ53	54,52085397	4,36434845
2	Central Oyster Grounds	AZ54	54,47296740	4,32928807
2	Central Oyster Grounds	AZ55	54,45432402	4,24938130
2	Central Oyster Grounds	AZ56	54,45422286	3,56262587
2	Central Oyster Grounds	AZ57	54,46339519	3,50410814
2	Central Oyster Grounds	AZ58	54,52127565	3,44759597
2	Central Oyster Grounds	AZ59	54,85845715	3,45132198
2	Central Oyster Grounds	AZ60	54,90200722	3,48012293
2	Central Oyster Grounds	AZ61	54,99478054	3,62238886

* WGS84 Decimal Degrees

7 Borkum Reef Grounds



Figure 7: Map of the Borkum Reef Grounds.

7.1 Coordinates Management zone Borkum Reef Grounds

Area code	Area name	ID-point	Latitude	Longitude
5	Borkum Reef Grounds	MZ42	54,00010011	6,10554820
5	Borkum Reef Grounds	MZ43	53,99838901	6,10652800
5	Borkum Reef Grounds	MZ44	53,92173301	6,17172200
5	Borkum Reef Grounds	MZ45	53,81397201	6,26291700
5	Borkum Reef Grounds	MZ46	53,75008301	6,33150000
5	Borkum Reef Grounds	MZ47	53,74438901	6,33467800
5	Borkum Reef Grounds	MZ48	53,65368968	6,38518052
5	Borkum Reef Grounds	MZ49	53,63624333	6,31702333
5	Borkum Reef Grounds	MZ50	53,63626000	6,27665500
5	Borkum Reef Grounds	MZ51	53,66678104	6,14634555
5	Borkum Reef Grounds	MZ52	53,66670845	5,96666656
5	Borkum Reef Grounds	MZ53	53,83333333	5,96666667
5	Borkum Reef Grounds	MZ54	53,83333333	6,00000000
5	Borkum Reef Grounds	MZ55	54,00000000	6,00000000

* WGS84 Decimal Degrees

7.2 Coordinates Alert zone Borkum Reef Grounds

Area code	Area name	ID-point	Latitude	Longitude
5	Borkum Reef Grounds	AZ62	53,57436337	6,23555326
5	Borkum Reef Grounds	AZ63	53,60023482	6,12511006
5	Borkum Reef Grounds	AZ64	53,60015343	5,96688614
5	Borkum Reef Grounds	AZ65	53,61049221	5,90671405
5	Borkum Reef Grounds	AZ66	53,66665303	5,85459746
5	Borkum Reef Grounds	AZ67	53,83328351	5,85415282
5	Borkum Reef Grounds	AZ68	53,88051884	5,88735785
5	Borkum Reef Grounds	AZ69	53,99994985	5,88703795
5	Borkum Reef Grounds	AZ70	54,06655041	5,99973548
5	Borkum Reef Grounds	AZ71	54,06664841	6,10545255
5	Borkum Reef Grounds	AZ72	54,02500925	6,21025822
5	Borkum Reef Grounds	AZ73	53,95149800	6,27259218
5	Borkum Reef Grounds	AZ74	53,95149536	6,27259442
5	Borkum Reef Grounds	AZ75	53,84674960	6,36098918
5	Borkum Reef Grounds	AZ76	53,78572088	6,42635569
5	Borkum Reef Grounds	AZ77	53,67449893	6,49160348
5	Borkum Reef Grounds	AZ78	53,59255375	6,42938658

* WGS84 Decimal Degrees

8 Brown Ridge

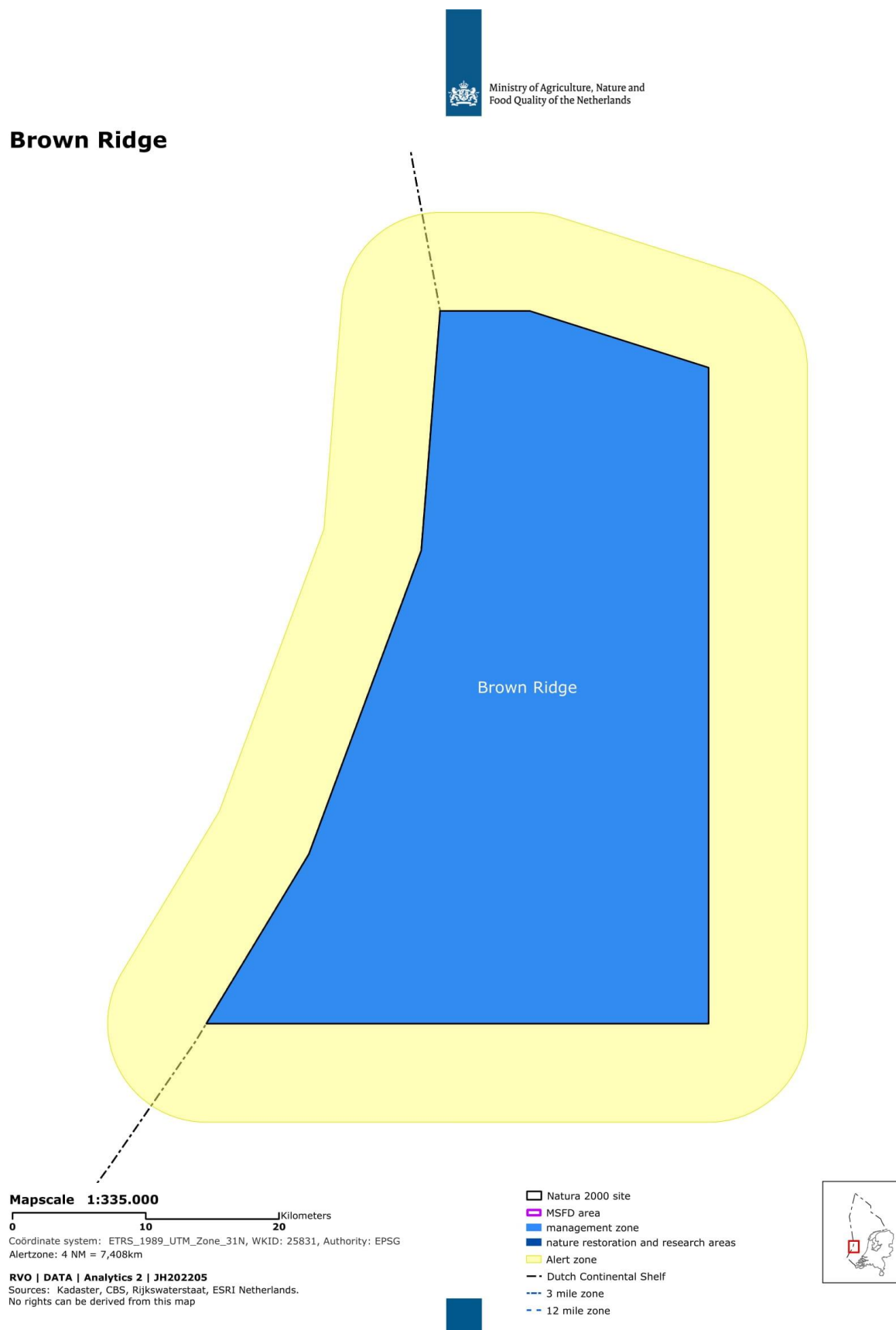


Figure 8: Map of the Brown Ridge.

8.1 Coordinates Management Zone Brown Ridge

Area code	Area name	ID-point	Latitude	Longitude
6	Brown Ridge	MZ56	52,78233081	3,30330518
6	Brown Ridge	MZ57	52,74348096	3,50189021
6	Brown Ridge	MZ58	52,30048449	3,49686669
6	Brown Ridge	MZ59	52,30151597	2,94410021
6	Brown Ridge	MZ60	52,33252730	2,97464378
6	Brown Ridge	MZ61	52,35685777	2,99864274
6	Brown Ridge	MZ62	52,41586410	3,05697528
6	Brown Ridge	MZ63	52,49920053	3,10763615
6	Brown Ridge	MZ64	52,58253705	3,15850326
6	Brown Ridge	MZ65	52,62087185	3,18197181
6	Brown Ridge	MZ66	52,66587320	3,18798515
6	Brown Ridge	MZ67	52,74920932	3,19915419
6	Brown Ridge	MZ68	52,78254371	3,20363394

* WGS84 Decimal Degrees

8.2 Coordinates Alert zone Brown Ridge

Area code	Area name	ID-point	Latitude	Longitude
6	Brown Ridge	AZ79	52,80680417	3,53575180
6	Brown Ridge	AZ80	52,74296747	3,61157847
6	Brown Ridge	AZ81	52,29997640	3,60545718
6	Brown Ridge	AZ82	52,23391071	3,49612279
6	Brown Ridge	AZ83	52,23494066	2,94418402
6	Brown Ridge	AZ84	52,23494064	2,94410021
6	Brown Ridge	AZ85	52,28860191	2,83758160
6	Brown Ridge	AZ86	52,39125437	2,90551131
6	Brown Ridge	AZ87	52,60573405	3,05603580
6	Brown Ridge	AZ88	52,67121899	3,07883437
6	Brown Ridge	AZ89	52,82852067	3,12419428
6	Brown Ridge	AZ90	52,84889936	3,30376871

* WGS84 Decimal Degrees