

CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE REPORT ON 2023-24 HARVEST SPECIFICATIONS & MANAGEMENT MEASURES PLANNING

The California Department of Fish and Wildlife (CDFW) supports the current schedule proposed for the upcoming 2023-24 Harvest Specification & Management Measure process (biennial cycle) and offers an initial list of action items proposed for inclusion. As the process progresses over the next twelve months and new stock status and analyses of alternatives becomes available, CDFW expects there will be additional specification, allocation, and management measures proposed for California as part of the 2023-24 biennial cycle.

Repeal the Cowcod Conservation Areas

At the March 2021 Council meeting, CDFW submitted a report under the Workload and Prioritization Process to create a stand-alone item titled ‘Repeal the Cowcod Conservation Areas’ (CCA) and identified that it would be appropriate to incorporate that action in this upcoming 2023-24 biennial cycle ([Agenda Item G.2.a, Supplemental CDFW Report 1, March 2021](#)). As the report indicated, the rebuilt status of cowcod no longer requires a designated closed area for the purpose of conserving the previously overfished stock. Additionally, enforcing CCA regulations still requires a significant expenditure of limited CDFW agency resources; and now without a substantiated need or conservation benefit. Moreover, the CCAs include a considerable portion of the Southern California Bight, and many species of healthy fish stocks live there that could be accessed if the CCAs are repealed. Commercial and recreational sectors would still be managed in a manner consistent with areas outside the CCA, using depth constraints established by connecting a series of pre-established, defined waypoints codified within the Code of Federal Regulations.

Proposed New Coordinates for Non-Trawl Rockfish Conservation Area (NT-RCA) Boundary Lines

There are currently no NT-RCA coordinates and associated boundary lines deeper than 40 fathoms (fm) in regulation for Santa Barbara and San Nicholas Islands, and Tanner and Cortez Banks within the Western CCA (i.e., 50 fm, 60 fm, 75 fm, 100 fm, 125 fm, and 150 fm waypoints and lines do not exist). Therefore, CDFW provides the following proposed NT-RCA coordinates to be included in the 2023-24 biennial cycle process and is looking to solicit public input on the waypoints as early as possible. These proposed NT-RCA coordinates will then be available for use in the same manner as all other NT-RCA boundary lines, regardless of what regulatory mechanism is used to implement or adjust the NT-RCA boundary lines in future actions outside of the biennial cycle process.

An overview map of the Western CCA within the southern California bight and the proposed new 50 fm, 60 fm, 75 fm, 100 fm, 125 fm, and 150 fm NT-RCA boundary lines are in Figure 1. Detailed maps showing the new proposed NT-RCA boundary lines around Santa Barbara Island, San Nicolas Island, Tanner Bank, and Cortez Bank, are contained in Figure 2, Figure 3, Figure 4, and Figure 5, respectively. Figure 6 contains a detailed map of new proposed 125 and 150 fm NT-RCA lines that would encircle both Tanner and Cortez Banks. A tabular list of the proposed new waypoint coordinates for each of the proposed new boundary lines reflected in the detail maps are itemized in Table 1, Table 2, Table 3, and Table 4, and Table 5, respectively.

An additional area within the Western CCA is Osborn Bank, which current has no existing NT-RCA boundary lines in regulations but was requested by CDFW Law Enforcement to include for consideration. Upon review of depth contours around Osborn Bank, CDFW has determined there is not enough area to be adequately enforced, except for the 150 fm boundary line (Figure 7 and Table 6).

The Eastern CCA is designated as Essential Fish Habitat and closed to bottom trawl gear other than demersal seine; however, this does not preclude fishing with gears that are less impactful to habitat. Like

Osborn Bank, CDFW investigated the feasibility of establishing NT-RCAs in the Eastern CCA that encompassed high relief areas between the 50 fm to 150 fm depth contours and determined there is not enough area to be adequately enforced, apart from the 150 fm boundary line (Figure 8 and Table 7).

CDFW also expects to propose additional waypoint corrections and modifications to discrete portions of NT-RCA boundary lines. Presently, CDFW Law Enforcement is working to itemize a number of waypoints that are problematic for enforcement, and CDFW staff are also aware of a number of industry requests to correct crossovers in boundary lines. A full list will be provided at the September 2021 Council meeting.

CDFW welcomes input on individual proposed waypoints and lines in preparation for the upcoming biennial cycle and encourages industry or public to contact Andrew.Klein@wildlife.ca.gov for questions or technical support.

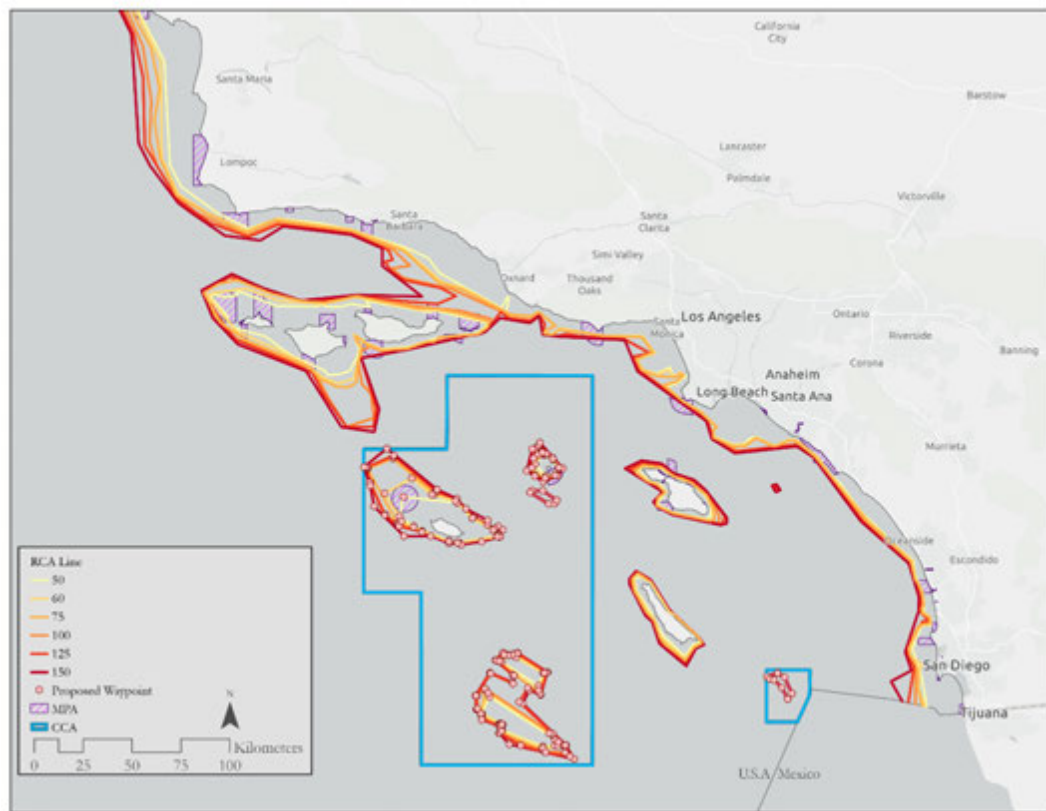


Figure 1. Overview of the CCAs within the southern California bight and the proposed new 50 fm, 60 fm, 75 fm, 100 fm, 125 fm, and 150 fm NT-RCA boundary lines.

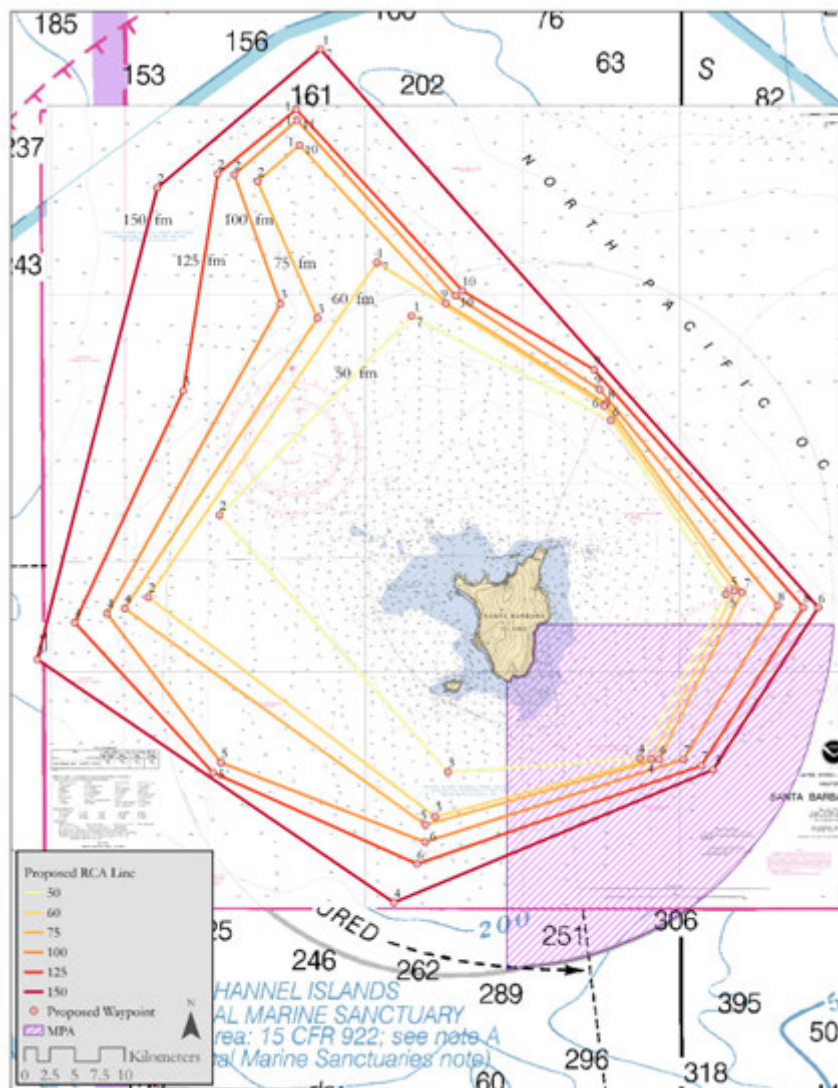


Figure 2. Proposed new NT-RCA boundary lines around Santa Barbara Island. (Zoomed-in view of content depicted in Figure 1.)

Table 1. Proposed new coordinates around Santa Barbara Island.

Waypoint number	Area Name	Lat. Degree	Lat. Minute	Long. Degree	Long. Minute
New #1	50-fm (91-m) Contour - Santa Barbara Island	33	31.77	119	10.68
New #2	50-fm (91-m) Contour - Santa Barbara Island	33	29.66	119	13.28
New #3	50-fm (91-m) Contour - Santa Barbara Island	33	26.94	119	15.05
New #4	50-fm (91-m) Contour - Santa Barbara Island	33	27.08	119	4.92
New #5	50-fm (91-m) Contour - Santa Barbara Island	33	28.82	119	3.71

Waypoint number	Area Name	Lat. Degree	Lat. Minute	Long. Degree	Long. Minute
New #6	50-fm (91-m) Contour - Santa Barbara Island	33	30.67	119	11.08
New #7	50-fm (91-m) Contour - Santa Barbara Island	33	31.77	119	10.68
New #1	60-fm (110-m) Contour - Santa Barbara Island	33	32.34	119	15.23
New #2	60-fm (110-m) Contour - Santa Barbara Island	33	28.79	119	15.56
New #3	60-fm (110-m) Contour - Santa Barbara Island	33	26.46	119	3.22
New #4	60-fm (110-m) Contour - Santa Barbara Island	33	27.08	118	57.58
New #5	60-fm (110-m) Contour - Santa Barbara Island	33	28.86	118	57.61
New #6	60-fm (110-m) Contour - Santa Barbara Island	33	30.82	119	1.06
New #7	60-fm (110-m) Contour - Santa Barbara Island	33	32.34	119	15.23
New #1	75-fm (137-m) Contour - Santa Barbara Island	33	33.58	119	29.48
New #2	75-fm (137-m) Contour - Santa Barbara Island	33	33.20	119	26.58
New #3	75-fm (137-m) Contour - Santa Barbara Island	33	31.75	119	16.23
New #4	75-fm (137-m) Contour - Santa Barbara Island	33	28.67	119	17.42
New #5	75-fm (137-m) Contour - Santa Barbara Island	33	26.38	119	23.09
New #6	75-fm (137-m) Contour - Santa Barbara Island	33	27.08	119	27.83
New #7	75-fm (137-m) Contour - Santa Barbara Island	33	28.85	119	33.54
New #8	75-fm (137-m) Contour - Santa Barbara Island	33	30.85	119	45.06
New #9	75-fm (137-m) Contour - Santa Barbara Island	33	31.91	119	44.84
New #10	75-fm (137-m) Contour - Santa Barbara Island	33	33.58	119	29.48
New #1	100-fm (183-m) Contour - Santa Barbara Island	33	33.85	119	34.66
New #2	100-fm (183-m) Contour - Santa Barbara Island	33	33.27	119	29.57
New #3	100-fm (183-m) Contour - Santa Barbara Island	33	31.90	119	26.22
New #4	100-fm (183-m) Contour - Santa Barbara Island	33	28.62	119	20.64
New #5	100-fm (183-m) Contour - Santa Barbara Island	33	27.04	119	5.84

Waypoint number	Area Name	Lat. Degree	Lat. Minute	Long. Degree	Long. Minute
New #6	100-fm (183-m) Contour - Santa Barbara Island	33	26.20	119	14.72
New #7	100-fm (183-m) Contour - Santa Barbara Island	33	27.07	119	16.01
New #8	100-fm (183-m) Contour - Santa Barbara Island	33	28.70	119	16.97
New #9	100-fm (183-m) Contour - Santa Barbara Island	33	31.00	119	19.02
New #10	100-fm (183-m) Contour - Santa Barbara Island	33	31.99	119	18.97
New #11	100-fm (183-m) Contour - Santa Barbara Island	33	33.85	119	34.66
New #1	125-fm (229-m) Contour - Santa Barbara Island	33	33.96	119	3.34
New #2	125-fm (229-m) Contour - Santa Barbara Island	33	33.28	118	59.73
New #3	125-fm (229-m) Contour - Santa Barbara Island	33	30.98	118	58.43
New #4	125-fm (229-m) Contour - Santa Barbara Island	33	28.52	119	1.09
New #5	125-fm (229-m) Contour - Santa Barbara Island	33	26.93	119	2.77
New #6	125-fm (229-m) Contour - Santa Barbara Island	33	25.96	119	4.88
New #7	125-fm (229-m) Contour - Santa Barbara Island	33	27.01	119	4.57
New #8	125-fm (229-m) Contour - Santa Barbara Island	33	28.68	119	6.65
New #9	125-fm (229-m) Contour - Santa Barbara Island	33	31.20	119	8.17
New #10	125-fm (229-m) Contour - Santa Barbara Island	33	32.04	119	3.64
New #11	125-fm (229-m) Contour - Santa Barbara Island	33	33.96	119	3.34
New #1	150-fm (274-m) Contour - Santa Barbara Island	33	34.60	119	47.34
New #2	150-fm (274-m) Contour - Santa Barbara Island	33	33.13	119	3.85
New #3	150-fm (274-m) Contour - Santa Barbara Island	33	28.13	119	6.76
New #4	150-fm (274-m) Contour - Santa Barbara Island	33	25.55	119	3.12
New #5	150-fm (274-m) Contour - Santa Barbara Island	33	26.96	119	0.37
New #6	150-fm (274-m) Contour - Santa Barbara Island	33	28.68	118	59.31

Waypoint number	Area Name	Lat. Degree	Lat. Minute	Long. Degree	Long. Minute
New #7	150-fm (274-m) Contour - Santa Barbara Island	33	34.60	119	47.34

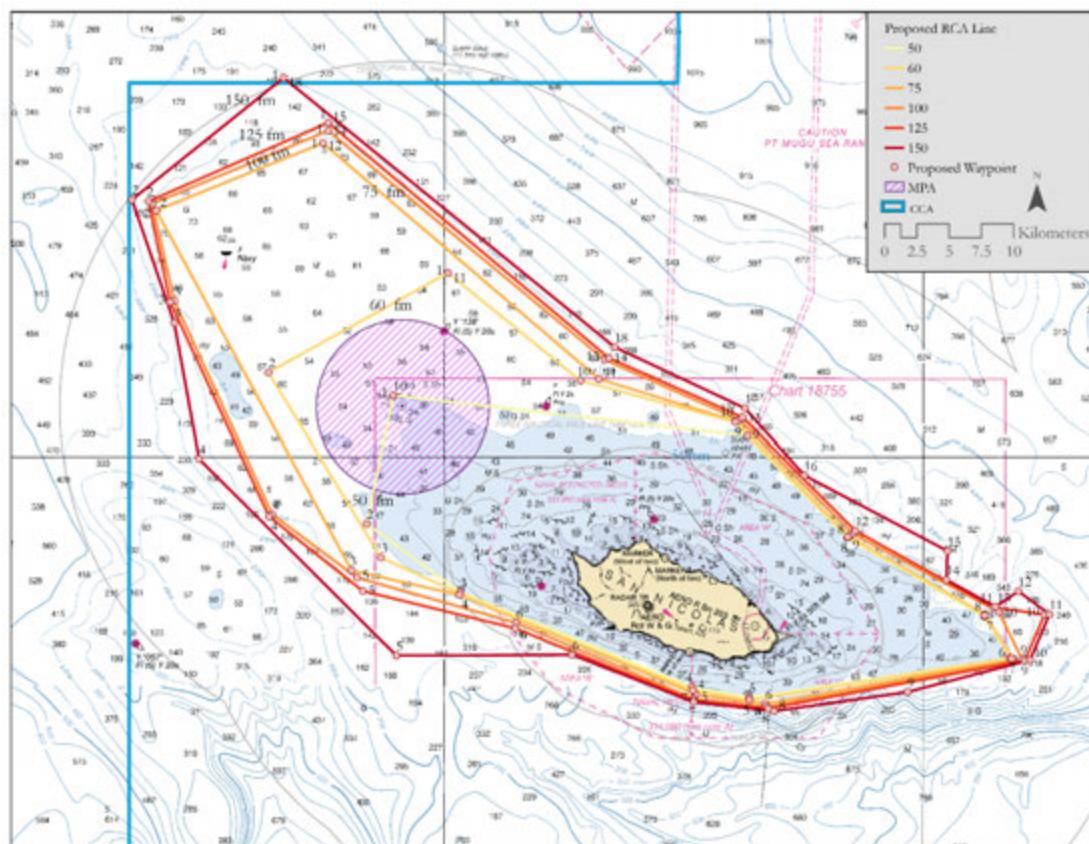


Figure 3. Proposed new NT-RCA boundary lines around San Nicholas Island. (Zoomed-in view of content depicted in Figure 1.)

Table 2. Proposed new coordinates around San Nicholas Island.

Waypoint number	Area Name	Lat. Degree	Lat. Minute	Long. Degree	Long. Minute
New #1	50-fm (91-m) Contour - San Nicolas Island	33	22.14	119	11.93
New #2	50-fm (91-m) Contour - San Nicolas Island	33	17.68	119	14.73
New #3	50-fm (91-m) Contour - San Nicolas Island	33	15.29	119	2.46
New #4	50-fm (91-m) Contour - San Nicolas Island	33	11.98	119	4.32
New #5	50-fm (91-m) Contour - San Nicolas Island	33	11.60	119	7.54
New #6	50-fm (91-m) Contour - San Nicolas Island	33	12.99	118	57.37
New #7	50-fm (91-m) Contour - San Nicolas Island	33	14.43	119	15.90
New #8	50-fm (91-m) Contour - San Nicolas Island	33	17.20	119	4.65
New #9	50-fm (91-m) Contour - San Nicolas Island	33	20.73	119	3.14
New #10	50-fm (91-m) Contour - San Nicolas Island	33	22.14	119	11.93
New #1	60-fm (110-m) Contour - San Nicolas Island	33	26.41	119	15.09

Waypoint number	Area Name	Lat. Degree	Lat. Minute	Long. Degree	Long. Minute
New #2	60-fm (110-m) Contour - San Nicolas Island	33	22.94	119	15.44
New #3	60-fm (110-m) Contour - San Nicolas Island	33	16.50	119	15.30
New #4	60-fm (110-m) Contour - San Nicolas Island	33	11.86	119	3.95
New #5	60-fm (110-m) Contour - San Nicolas Island	33	11.52	118	58.20
New #6	60-fm (110-m) Contour - San Nicolas Island	33	12.97	119	1.20
New #7	60-fm (110-m) Contour - San Nicolas Island	33	14.48	119	19.45
New #8	60-fm (110-m) Contour - San Nicolas Island	33	17.23	119	19.68
New #9	60-fm (110-m) Contour - San Nicolas Island	33	21.21	119	21.84
New #10	60-fm (110-m) Contour - San Nicolas Island	33	22.65	119	20.46
New #11	60-fm (110-m) Contour - San Nicolas Island	33	26.41	119	15.09
New #1	75-fm (137-m) Contour - San Nicolas Island	33	30.94	119	7.88
New #2	75-fm (137-m) Contour - San Nicolas Island	33	28.59	119	10.24
New #3	75-fm (137-m) Contour - San Nicolas Island	33	16.05	119	43.24
New #4	75-fm (137-m) Contour - San Nicolas Island	33	15.20	119	39.32
New #5	75-fm (137-m) Contour - San Nicolas Island	33	11.71	119	29.64
New #6	75-fm (137-m) Contour - San Nicolas Island	33	11.39	119	27.26
New #7	75-fm (137-m) Contour - San Nicolas Island	33	12.96	119	16.36
New #8	75-fm (137-m) Contour - San Nicolas Island	33	14.52	119	42.12
New #9	75-fm (137-m) Contour - San Nicolas Island	33	17.24	119	45.06
New #10	75-fm (137-m) Contour - San Nicolas Island	33	21.24	119	52.02
New #11	75-fm (137-m) Contour - San Nicolas Island	33	22.71	119	43.86
New #12	75-fm (137-m) Contour - San Nicolas Island	33	30.94	119	7.88
New #1	100-fm (183-m) Contour - San Nicolas Island	33	31.37	119	29.58
New #2	100-fm (183-m) Contour - San Nicolas Island	33	28.82	119	26.46
New #3	100-fm (183-m) Contour - San Nicolas Island	33	25.43	119	15.74
New #4	100-fm (183-m) Contour - San Nicolas Island	33	18.01	119	14.92
New #5	100-fm (183-m) Contour - San Nicolas Island	33	15.80	119	17.07
New #6	100-fm (183-m) Contour - San Nicolas Island	33	14.22	119	22.82
New #7	100-fm (183-m) Contour - San Nicolas Island	33	11.56	119	27.53
New #8	100-fm (183-m) Contour - San Nicolas Island	33	11.28	119	33.11
New #9	100-fm (183-m) Contour - San Nicolas Island	33	12.94	119	44.84
New #10	100-fm (183-m) Contour - San Nicolas Island	33	14.48	119	16.97
New #11	100-fm (183-m) Contour - San Nicolas Island	33	17.33	119	53.04
New #12	100-fm (183-m) Contour - San Nicolas Island	33	21.28	119	51.27
New #13	100-fm (183-m) Contour - San Nicolas Island	33	23.38	119	50.23
New #14	100-fm (183-m) Contour - San Nicolas Island	33	31.37	119	29.58
New #1	125-fm (229-m) Contour - San Nicolas Island	33	31.65	119	5.67
New #2	125-fm (229-m) Contour - San Nicolas Island	33	28.91	119	5.08
New #3	125-fm (229-m) Contour - San Nicolas Island	33	25.39	119	7.28
New #4	125-fm (229-m) Contour - San Nicolas Island	33	17.94	119	5.84
New #5	125-fm (229-m) Contour - San Nicolas Island	33	15.33	119	3.24
New #6	125-fm (229-m) Contour - San Nicolas Island	33	14.03	118	59.96
New #7	125-fm (229-m) Contour - San Nicolas Island	33	11.49	118	58.76

Waypoint number	Area Name	Lat. Degree	Lat. Minute	Long. Degree	Long. Minute
New #8	125-fm (229-m) Contour - San Nicolas Island	33	11.21	119	1.02
New #9	125-fm (229-m) Contour - San Nicolas Island	33	12.90	119	2.86
New #10	125-fm (229-m) Contour - San Nicolas Island	33	14.51	119	4.87
New #11	125-fm (229-m) Contour - San Nicolas Island	33	14.76	119	4.88
New #12	125-fm (229-m) Contour - San Nicolas Island	33	17.44	119	5.88
New #13	125-fm (229-m) Contour - San Nicolas Island	33	21.37	119	6.32
New #14	125-fm (229-m) Contour - San Nicolas Island	33	23.44	119	7.70
New #15	125-fm (229-m) Contour - San Nicolas Island	33	31.65	119	5.67
New #1	150-fm (274-m) Contour - San Nicolas Island	33	33.22	118	59.56
New #2	150-fm (274-m) Contour - San Nicolas Island	33	28.97	118	59.42
New #3	150-fm (274-m) Contour - San Nicolas Island	33	24.67	119	1.99
New #4	150-fm (274-m) Contour - San Nicolas Island	33	19.95	119	18.81
New #5	150-fm (274-m) Contour - San Nicolas Island	33	13.07	119	3.00
New #6	150-fm (274-m) Contour - San Nicolas Island	33	13.10	119	14.73
New #7	150-fm (274-m) Contour - San Nicolas Island	33	11.45	119	13.28
New #8	150-fm (274-m) Contour - San Nicolas Island	33	11.13	119	4.89
New #9	150-fm (274-m) Contour - San Nicolas Island	33	11.80	119	14.45
New #10	150-fm (274-m) Contour - San Nicolas Island	33	12.91	119	39.84
New #11	150-fm (274-m) Contour - San Nicolas Island	33	14.52	119	42.64
New #12	150-fm (274-m) Contour - San Nicolas Island	33	15.32	119	29.61
New #13	150-fm (274-m) Contour - San Nicolas Island	33	14.78	119	27.25
New #14	150-fm (274-m) Contour - San Nicolas Island	33	15.73	119	16.30
New #15	150-fm (274-m) Contour - San Nicolas Island	33	16.73	119	17.42
New #16	150-fm (274-m) Contour - San Nicolas Island	33	19.37	119	23.14
New #17	150-fm (274-m) Contour - San Nicolas Island	33	21.69	119	27.84
New #18	150-fm (274-m) Contour - San Nicolas Island	33	23.82	119	34.31
New #19	150-fm (274-m) Contour - San Nicolas Island	33	33.22	118	59.56

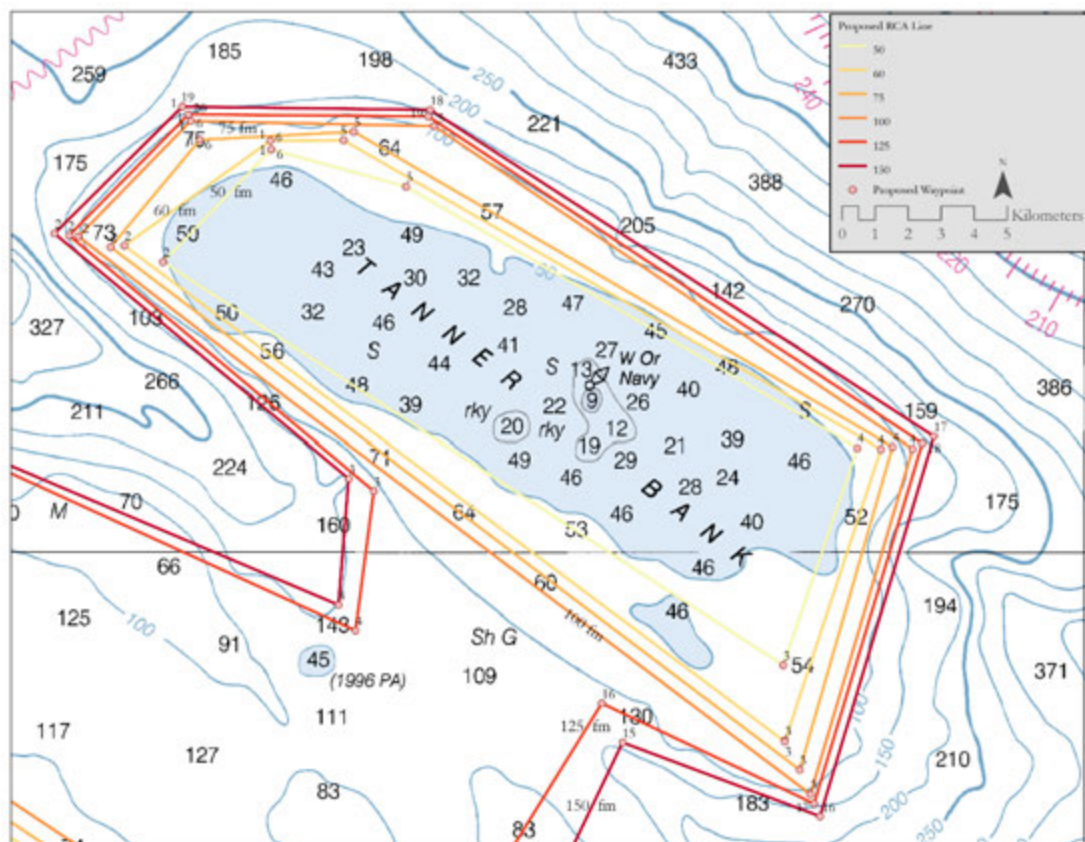


Figure 4. Proposed new NT-RCA boundary lines around Tanner Bank. (Zoomed-in view of content depicted in Figure 1.)

Table 3. Proposed new coordinates around Tanner Bank.

Waypoint number	Area Name	Lat. Degree	Lat. Minute	Long. Degree	Long. Minute
New #1	50-fm (91-m) Contour - Tanner Bank	32	45.53	119	10.62
New #2	50-fm (91-m) Contour - Tanner Bank	32	43.98	119	2.81
New #3	50-fm (91-m) Contour - Tanner Bank	32	38.45	119	16.43
New #4	50-fm (91-m) Contour - Tanner Bank	32	41.44	119	14.60
New #5	50-fm (91-m) Contour - Tanner Bank	32	45.02	119	4.48
New #6	50-fm (91-m) Contour - Tanner Bank	32	45.53	119	4.42
New #1	60-fm (110-m) Contour - Tanner Bank	32	45.65	119	2.65
New #2	60-fm (110-m) Contour - Tanner Bank	32	44.21	119	10.71
New #3	60-fm (110-m) Contour - Tanner Bank	32	37.40	119	15.40
New #4	60-fm (110-m) Contour - Tanner Bank	32	41.42	119	14.63
New #5	60-fm (110-m) Contour - Tanner Bank	32	45.66	119	18.39
New #6	60-fm (110-m) Contour - Tanner Bank	32	45.65	119	20.54
New #1	75-fm (137-m) Contour - Tanner Bank	32	45.66	119	16.58
New #2	75-fm (137-m) Contour - Tanner Bank	32	44.19	119	11.61
New #3	75-fm (137-m) Contour - Tanner Bank	32	37.02	119	11.90

Waypoint number	Area Name	Lat. Degree	Lat. Minute	Long. Degree	Long. Minute
New #4	75-fm (137-m) Contour - Tanner Bank	32	41.45	119	18.11
New #5	75-fm (137-m) Contour - Tanner Bank	32	45.77	119	22.31
New #6	75-fm (137-m) Contour - Tanner Bank	32	45.66	119	51.27
New #1	100-fm (183-m) Contour - Tanner Bank	32	45.92	119	15.86
New #2	100-fm (183-m) Contour - Tanner Bank	32	44.34	119	37.00
New #3	100-fm (183-m) Contour - Tanner Bank	32	36.68	119	26.54
New #4	100-fm (183-m) Contour - Tanner Bank	32	41.41	119	2.93
New #5	100-fm (183-m) Contour - Tanner Bank	32	45.85	119	47.18
New #6	100-fm (183-m) Contour - Tanner Bank	32	45.92	119	29.58

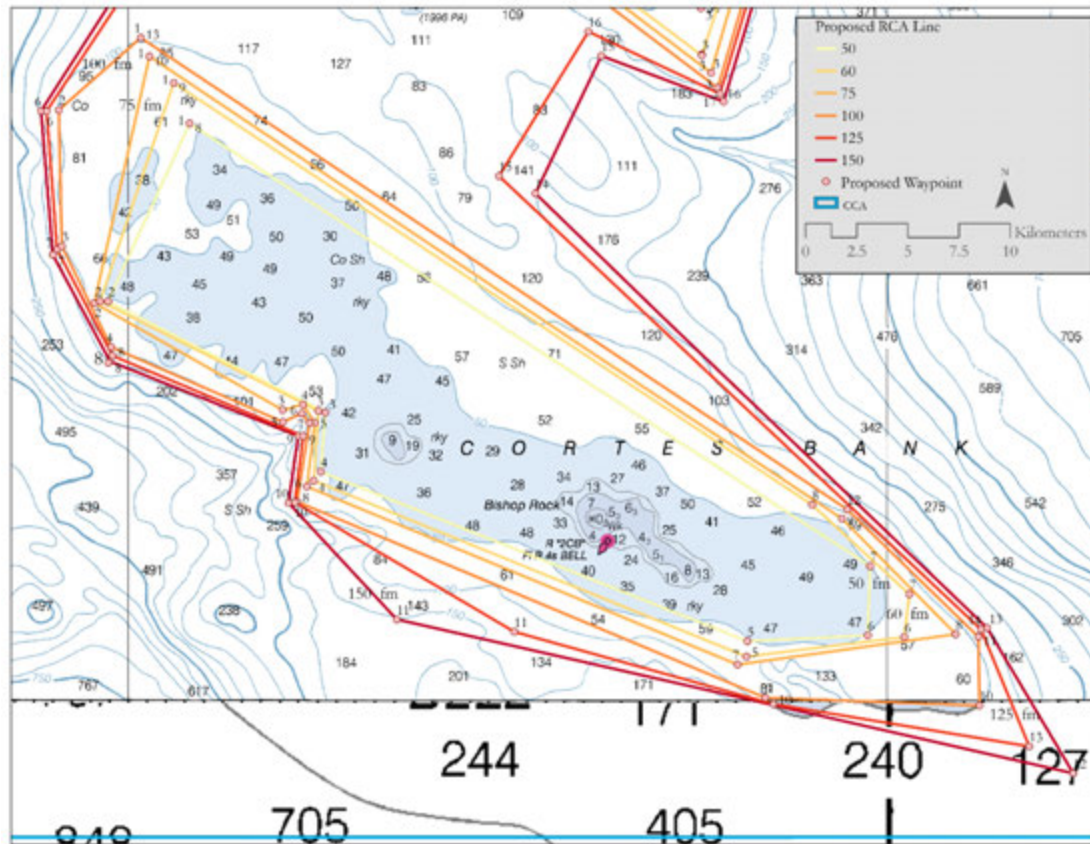


Figure 5. Proposed new NT-RCA boundary lines around Cortez Bank. (Zoomed-in view of content depicted in Figure 1.)

Table 4. Proposed new coordinates around Cortez Bank.

Waypoint number	Area Name	Lat. Degree	Lat. Minute	Long. Degree	Long. Minute
New #1	50-fm (91-m) Contour - Cortez Bank	32	35.89	119	12.18
New #2	50-fm (91-m) Contour - Cortez Bank	32	31.93	119	18.28
New #3	50-fm (91-m) Contour - Cortez Bank	32	29.47	119	22.00
New #4	50-fm (91-m) Contour - Cortez Bank	32	28.14	119	20.49
New #5	50-fm (91-m) Contour - Cortez Bank	32	24.37	119	12.93
New #6	50-fm (91-m) Contour - Cortez Bank	32	24.50	118	55.10
New #7	50-fm (91-m) Contour - Cortez Bank	32	26.04	119	12.01
New #8	50-fm (91-m) Contour - Cortez Bank	32	35.89	119	16.82
New #1	60-fm (110-m) Contour - Cortez Bank	32	36.79	119	14.81
New #2	60-fm (110-m) Contour - Cortez Bank	32	31.94	119	14.94
New #3	60-fm (110-m) Contour - Cortez Bank	32	29.50	119	3.69
New #4	60-fm (110-m) Contour - Cortez Bank	32	27.95	119	0.52
New #5	60-fm (110-m) Contour - Cortez Bank	32	24.03	119	0.46
New #6	60-fm (110-m) Contour - Cortez Bank	32	24.46	119	18.39
New #7	60-fm (110-m) Contour - Cortez Bank	32	25.42	119	19.45
New #8	60-fm (110-m) Contour - Cortez Bank	32	27.41	119	20.90
New #9	60-fm (110-m) Contour - Cortez Bank	32	36.79	119	15.94
New #1	75-fm (137-m) Contour - Cortez Bank	32	37.38	119	22.16
New #2	75-fm (137-m) Contour - Cortez Bank	32	31.90	119	21.89
New #3	75-fm (137-m) Contour - Cortez Bank	32	29.52	119	20.43
New #4	75-fm (137-m) Contour - Cortez Bank	32	29.64	119	15.53
New #5	75-fm (137-m) Contour - Cortez Bank	32	29.24	119	15.40
New #6	75-fm (137-m) Contour - Cortez Bank	32	27.82	119	15.79
New #7	75-fm (137-m) Contour - Cortez Bank	32	23.85	119	15.62
New #8	75-fm (137-m) Contour - Cortez Bank	32	24.53	119	9.83
New #9	75-fm (137-m) Contour - Cortez Bank	32	27.10	118	56.26
New #10	75-fm (137-m) Contour - Cortez Bank	32	37.38	118	57.54
New #1	100-fm (183-m) Contour - Cortez Bank	32	37.79	119	16.84
New #2	100-fm (183-m) Contour - Cortez Bank	32	36.19	119	22.93
New #3	100-fm (183-m) Contour - Cortez Bank	32	33.16	119	27.44
New #4	100-fm (183-m) Contour - Cortez Bank	32	30.92	119	27.66
New #5	100-fm (183-m) Contour - Cortez Bank	32	29.25	119	33.29
New #6	100-fm (183-m) Contour - Cortez Bank	32	29.44	119	44.84
New #7	100-fm (183-m) Contour - Cortez Bank	32	29.23	119	44.84
New #8	100-fm (183-m) Contour - Cortez Bank	32	27.48	119	52.35
New #9	100-fm (183-m) Contour - Cortez Bank	32	23.19	119	3.23
New #10	100-fm (183-m) Contour - Cortez Bank	32	22.94	119	47.31
New #11	100-fm (183-m) Contour - Cortez Bank	32	24.47	119	43.40
New #12	100-fm (183-m) Contour - Cortez Bank	32	27.30	119	37.02
New #13	100-fm (183-m) Contour - Cortez Bank	32	37.79	119	32.87

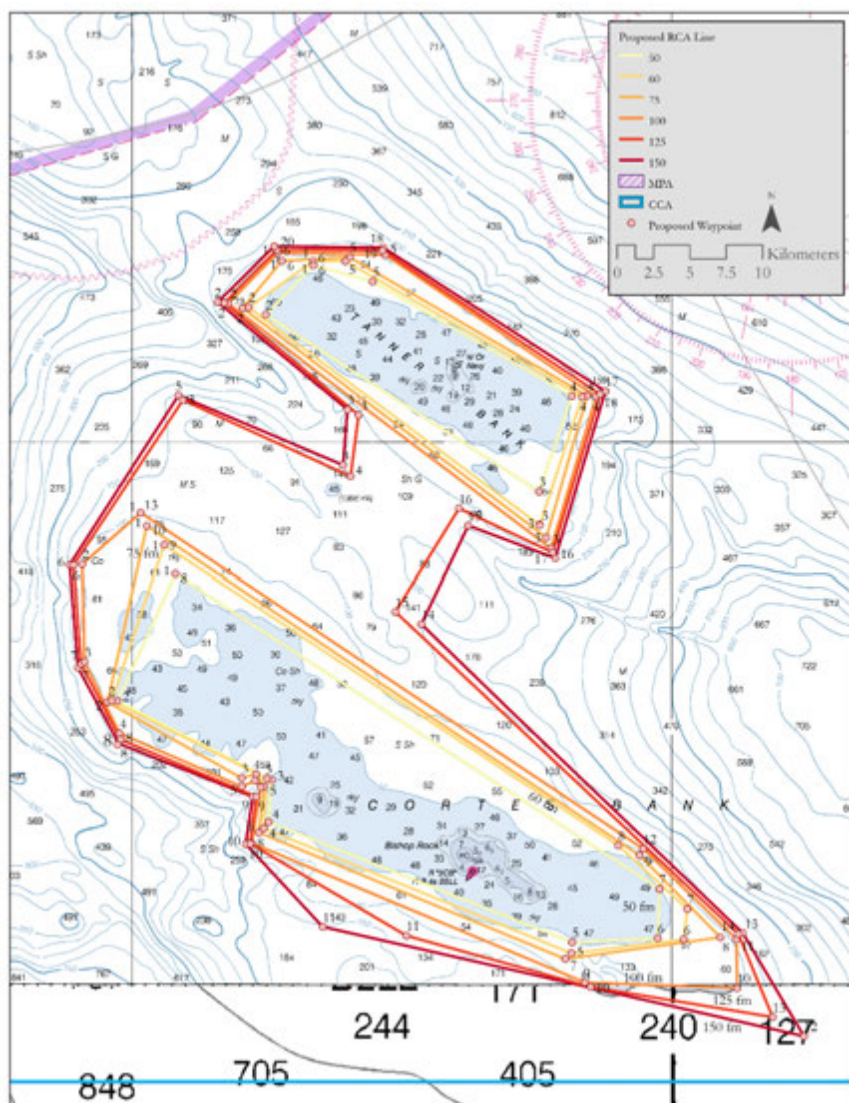


Figure 6. Proposed new NT-RCA 125 fm and 150 fm boundary lines around both Tanner and Cortez Banks. (Zoomed-in view of content depicted in Figure 1.)

Table 5. Proposed new coordinates for the 125 fm and 150 fm NT-RCA boundary lines around Tanner and Cortez Banks.

Waypoint number	Area Name	Lat. Degree	Lat. Minute	Long. Degree	Long. Minute
New #1	125-fm (229-m) Contour - Tanner and Cortez Banks	32	46.01	119	0.51
New #2	125-fm (229-m) Contour - Tanner and Cortez Banks	32	44.35	118	59.42
New #3	125-fm (229-m) Contour - Tanner and Cortez Banks	32	40.85	119	0.88
New #4	125-fm (229-m) Contour - Tanner and Cortez Banks	32	38.93	119	3.41

Waypoint number	Area Name	Lat. Degree	Lat. Minute	Long. Degree	Long. Minute
New #5	125-fm (229-m) Contour - Tanner and Cortez Banks	32	41.32	119	4.84
New #6	125-fm (229-m) Contour - Tanner and Cortez Banks	32	36.16	119	5.37
New #7	125-fm (229-m) Contour - Tanner and Cortez Banks	32	33.09	119	4.61
New #8	125-fm (229-m) Contour - Tanner and Cortez Banks	32	30.73	119	7.06
New #9	125-fm (229-m) Contour - Tanner and Cortez Banks	32	28.94	119	3.24
New #10	125-fm (229-m) Contour - Tanner and Cortez Banks	32	27.46	119	0.26
New #11	125-fm (229-m) Contour - Tanner and Cortez Banks	32	24.58	118	59.21
New #12	125-fm (229-m) Contour - Tanner and Cortez Banks	32	22.97	118	58.24
New #13	125-fm (229-m) Contour - Tanner and Cortez Banks	32	22.03	119	0.94
New #14	125-fm (229-m) Contour - Tanner and Cortez Banks	32	24.63	119	2.98
New #15	125-fm (229-m) Contour - Tanner and Cortez Banks	32	34.72	119	4.87
New #16	125-fm (229-m) Contour - Tanner and Cortez Banks	32	37.93	119	4.84
New #17	125-fm (229-m) Contour - Tanner and Cortez Banks	32	36.55	119	46.70
New #18	125-fm (229-m) Contour - Tanner and Cortez Banks	32	41.50	119	3.41
New #19	125-fm (229-m) Contour - Tanner and Cortez Banks	32	45.98	119	5.86
New #20	125-fm (229-m) Contour - Tanner and Cortez Banks	32	46.01	119	2.95
New #1	150-fm (274-m) Contour - Tanner and Cortez Banks	32	46.12	119	3.32
New #2	150-fm (274-m) Contour - Tanner and Cortez Banks	32	44.37	119	4.89
New #3	150-fm (274-m) Contour - Tanner and Cortez Banks	32	41.02	119	15.68
New #4	150-fm (274-m) Contour - Tanner and Cortez Banks	32	39.28	119	4.57
New #5	150-fm (274-m) Contour - Tanner and Cortez Banks	32	41.46	119	17.42
New #6	150-fm (274-m) Contour - Tanner and Cortez Banks	32	36.17	119	15.00
New #7	150-fm (274-m) Contour - Tanner and Cortez Banks	32	32.97	119	23.16
New #8	150-fm (274-m) Contour - Tanner and Cortez Banks	32	30.57	119	20.54

Waypoint number	Area Name	Lat. Degree	Lat. Minute	Long. Degree	Long. Minute
New #9	150-fm (274-m) Contour - Tanner and Cortez Banks	32	28.94	119	15.12
New #10	150-fm (274-m) Contour - Tanner and Cortez Banks	32	27.45	119	3.72
New #11	150-fm (274-m) Contour - Tanner and Cortez Banks	32	24.86	119	42.12
New #12	150-fm (274-m) Contour - Tanner and Cortez Banks	32	21.43	119	13.29
New #13	150-fm (274-m) Contour - Tanner and Cortez Banks	32	24.67	119	19.68
New #14	150-fm (274-m) Contour - Tanner and Cortez Banks	32	34.34	119	18.81
New #15	150-fm (274-m) Contour - Tanner and Cortez Banks	32	37.39	119	21.76
New #16	150-fm (274-m) Contour - Tanner and Cortez Banks	32	36.38	119	13.29
New #17	150-fm (274-m) Contour - Tanner and Cortez Banks	32	41.59	119	12.10
New #18	150-fm (274-m) Contour - Tanner and Cortez Banks	32	46.07	119	20.75
New #19	150-fm (274-m) Contour - Tanner and Cortez Banks	32	46.12	119	3.85

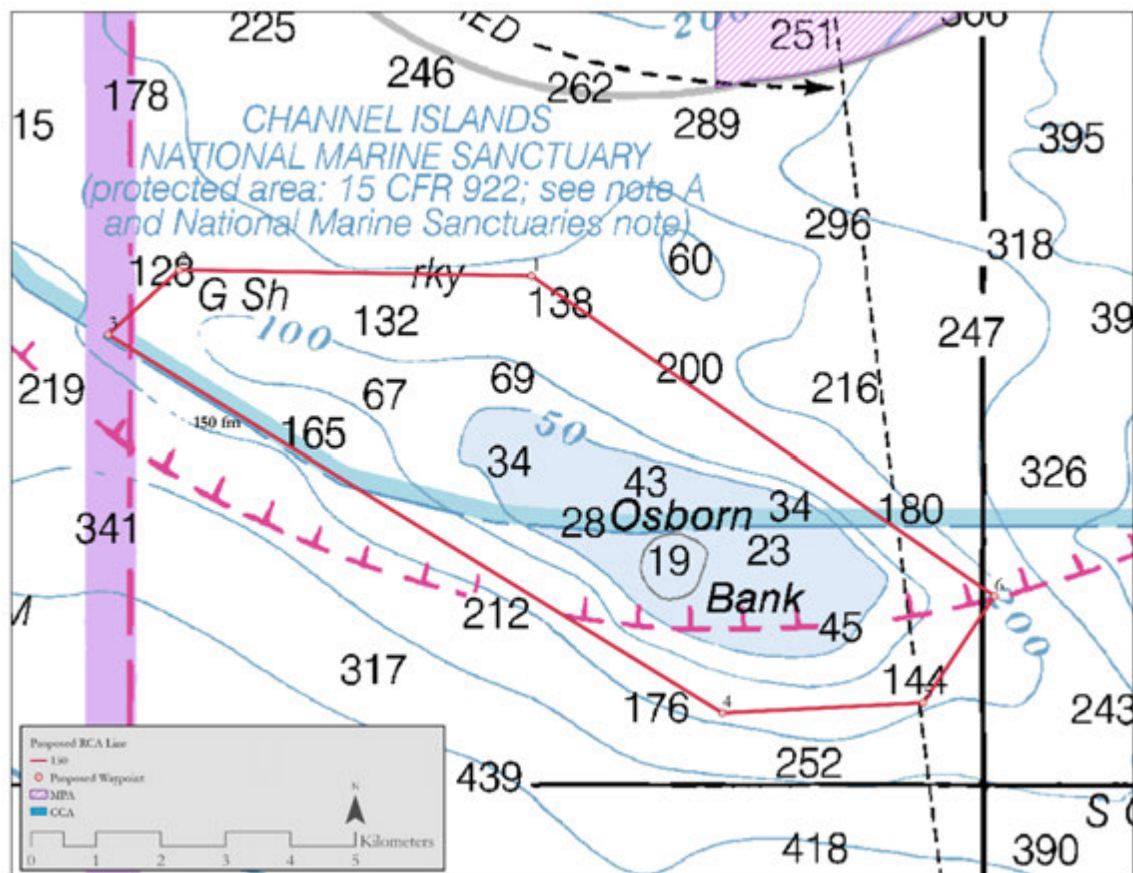


Figure 7. Proposed new NT-RCA 150 fm boundary line around Osborn Bank. (Zoomed-in view of content depicted in Figure 1.)

Table 6. Proposed new coordinates around Osborn Bank.

Waypoint number	Area Name	Lat. Degree	Lat. Minute	Long. Degree	Long. Minute
New # 1	Osborn Bank 150fm	33	23.53	119	3.73
New # 2	Osborn Bank 150fm	33	23.57	119	6.66
New # 3	Osborn Bank 150fm	33	23.12	119	7.25
New # 4	Osborn Bank 150fm	33	20.51	119	2.15
New # 5	Osborn Bank 150fm	33	20.58	119	0.48
New # 6	Osborn Bank 150fm	33	21.32	119	59.89
New # 7	Osborn Bank 150fm	33	23.53	119	3.73

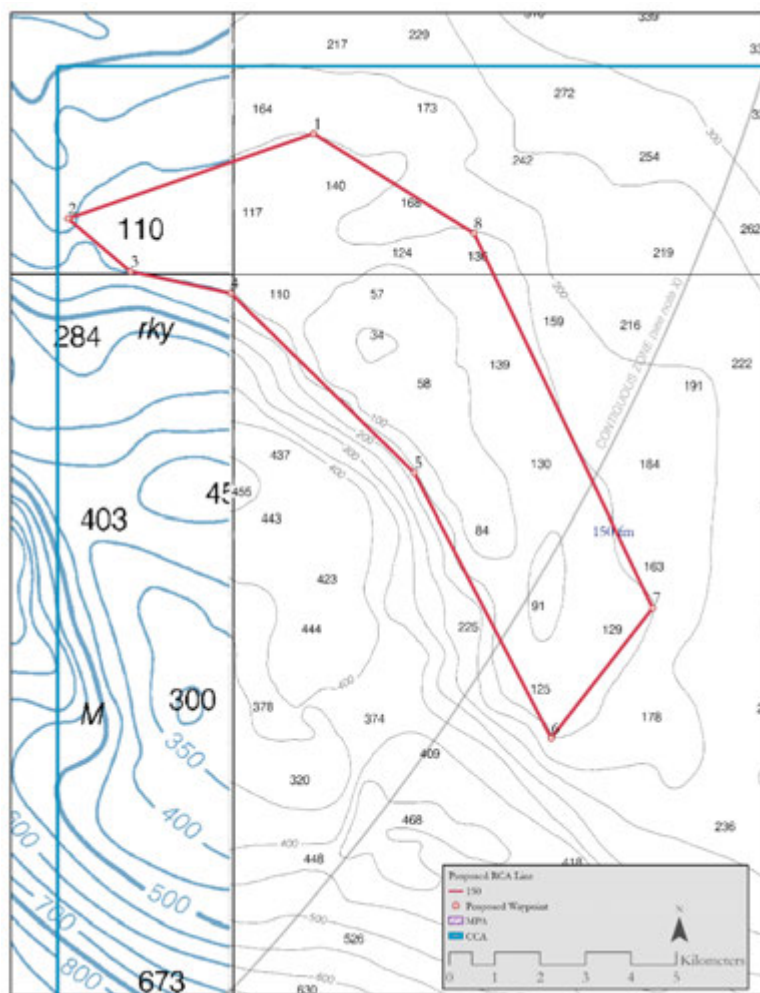


Figure 8. Proposed new NT-RCA 150 fm boundary line in the Eastern Cowcod Conservation Area. (Zoomed-in view of content depicted in Figure 1.)

Table 7. Proposed new coordinates for the 150 fm NT-RCA boundary line in the Eastern Cowcod Conservation Area.

Waypoint number	Area Name	Lat. Degree	Lat. Minute	Long. Degree	Long. Minute
New # 1	Eastern CCA 150fm	32	41.41	117	59.05
New # 2	Eastern CCA 150fm	32	40.57	118	1.97
New # 3	Eastern CCA 150fm	32	40.04	118	1.23
New # 4	Eastern CCA 150fm	32	39.82	118	0.03
New # 5	Eastern CCA 150fm	32	38.02	117	57.86
New # 6	Eastern CCA 150fm	32	35.38	117	56.23
New # 7	Eastern CCA 150fm	32	36.68	117	55.02
New # 8	Eastern CCA 150fm	32	40.42	117	57.15
New # 9	Eastern CCA 150fm	32	41.41	117	59.05