

CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE REPORT ON CORRECTIONS TO THE
100 FATHOM ROCKFISH CONSERVATION LINE SOUTH OF 34° 27' N. LATITUDE

At the November 2019 Council meeting, the California Department of Fish and Wildlife (CDFW) submitted a proposal under the 2021-2022 biennial specifications and management measures agenda item to consider minor adjustments to non-trawl commercial and recreational Rockfish Conservation Area (RCA) shoreward boundary lines in various management areas ([Agenda Item H.8.a, Supplemental CDFW Report 1, November 2019](#)). The proposal for the Southern Management Area (south of 34° 27' N. latitude), is to extend the current shoreward 75 fm line out to 100 fm. Upon reviewing the current federal waypoints defining the 100 fm boundary line in this area, crossovers have been identified with the current 75 fm boundary line (see Figures 1 through 3 below). If the 100 fm boundary line were utilized as currently listed in regulation these crossovers would create new closed areas in locations that are currently open to fishing activity utilizing the 75 fm line. In response, CDFW proposes additional waypoints and corrections to existing waypoints below, to better define the 100 fm line in this area.

In addition to the crossover issue, an oral public comment from the November 2019 Council meeting identified that federal waypoints for the 100 fm boundary line south of 34° 27' N. lat. do not exist around the northern Channel Islands, whereas the 75 fm and 150 fm lines do (see Figures 4 through 8 below for an overview map of the northern Channel Islands as well as detailed maps for each individual island).

A stakeholder group provided CDFW with proposed waypoints to approximate the 100 fm boundary line that would encompass these islands. In consultation with CDFW Law Enforcement, CDFW groundfish project staff used GIS software to evaluate the proposed waypoints, while also developing proposed amendments that would correct the cross over issues. As part of the 2021-2022 biennial specification and management measures process, CDFW has already analyzed the expected impact of moving the Southern Management Area shoreward RCA line to both target catch and expected bycatch, and concluded the change could be accommodated within allowable limits and harvest guidelines.

While the 100 fm boundary line is defined in the federal regulations and available for use in management, it has not been previously implemented as a shoreward boundary for non-trawl fisheries, though in previous years it has been utilized for non-groundfish open access trawl fisheries. The following tables identify CDFW's proposed waypoint corrections and proposed coordinates for the new 100 fm line around the northern Channel Islands (see Tables 1 through 3 below).

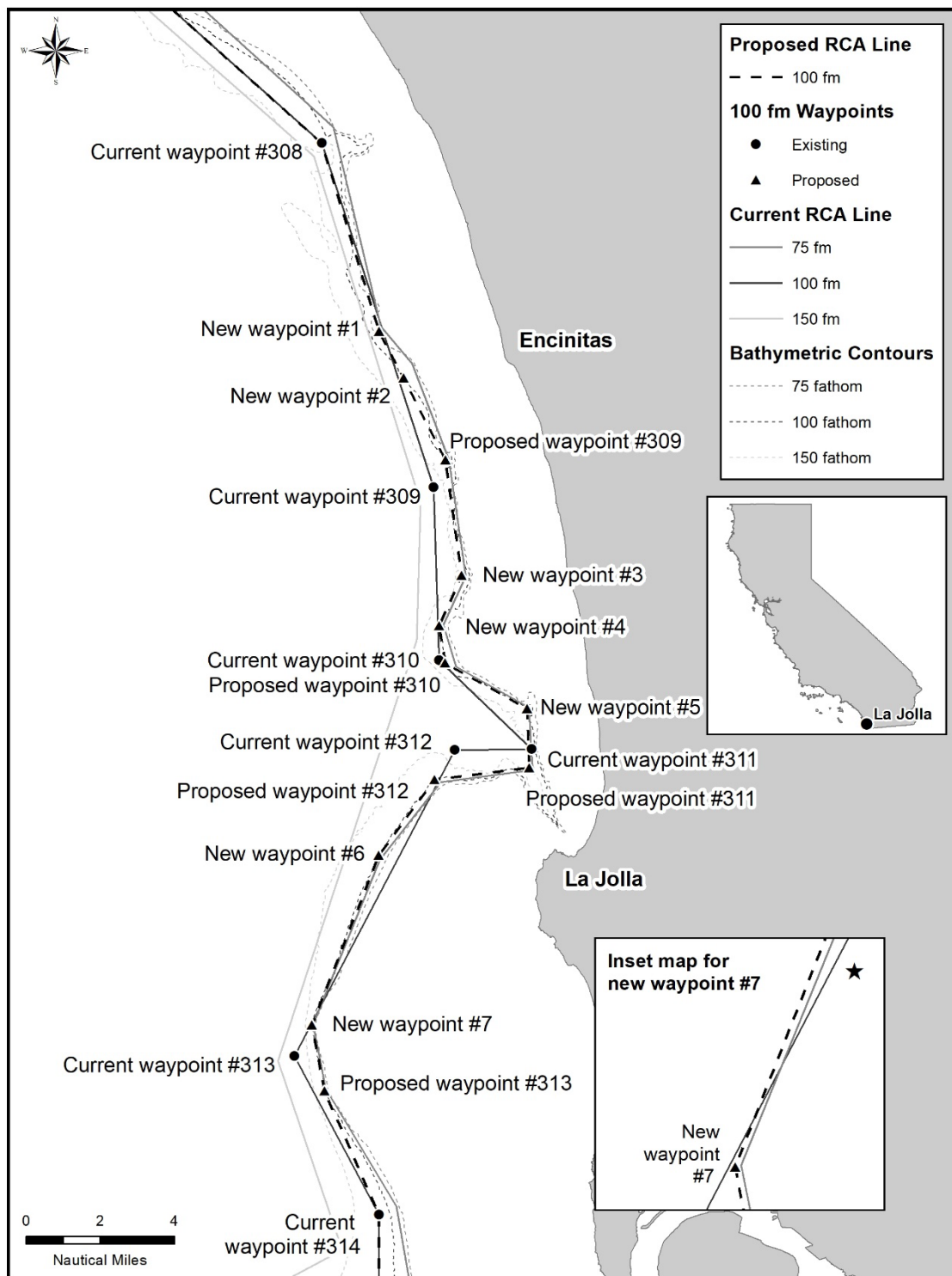


Figure 1. Proposed 100 fm RCA changes along the mainland coast at La Jolla to correct cross overs with the 75 fm line. Cross overs may be too small to be seen at the scale of Figure 1. Cross overs occur at the locations of new waypoint #1, current waypoint #311, proposed waypoint #312, and new waypoint #7. A zoomed in inset map is included in Figure 1 to show an example of a cross over

as well as the waypoint (i.e. new waypoint #7) added to fix the crossover. The star in the inset map indicates where the 100 fm line is shoreward of the 75 fm line.

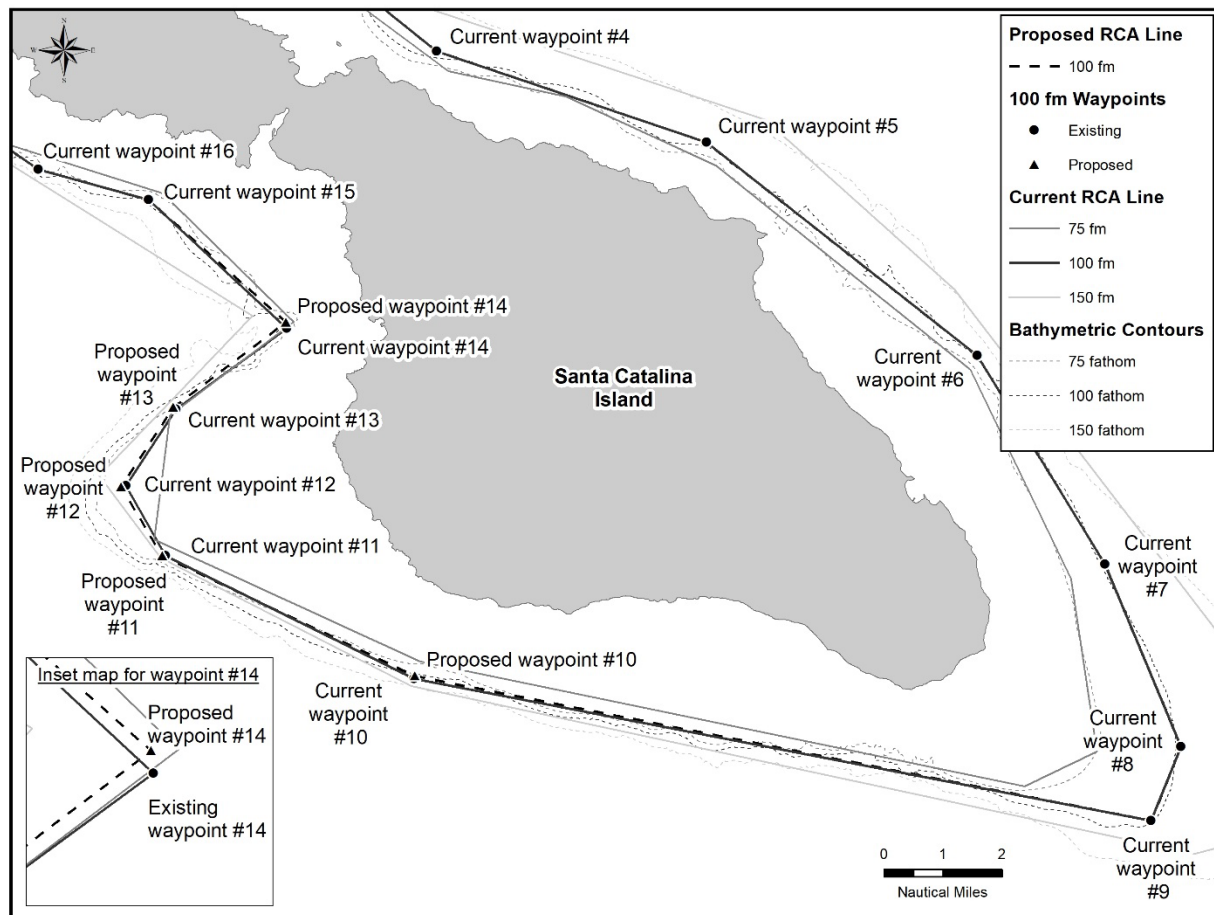


Figure 2. Proposed 100 fm RCA changes at Santa Catalina Island to correct cross overs with the 75 fm line. Cross overs may be too small to be seen at the scale of Figure 2. Cross overs in Figure 2 occur slightly north of current waypoint #11, at the location of current waypoint #13, and at the location of current waypoint #14. A zoomed in inset map is included in Figure 2 to show an example of a cross over as well as the change proposed to fix the crossover (i.e. proposed waypoint #14).

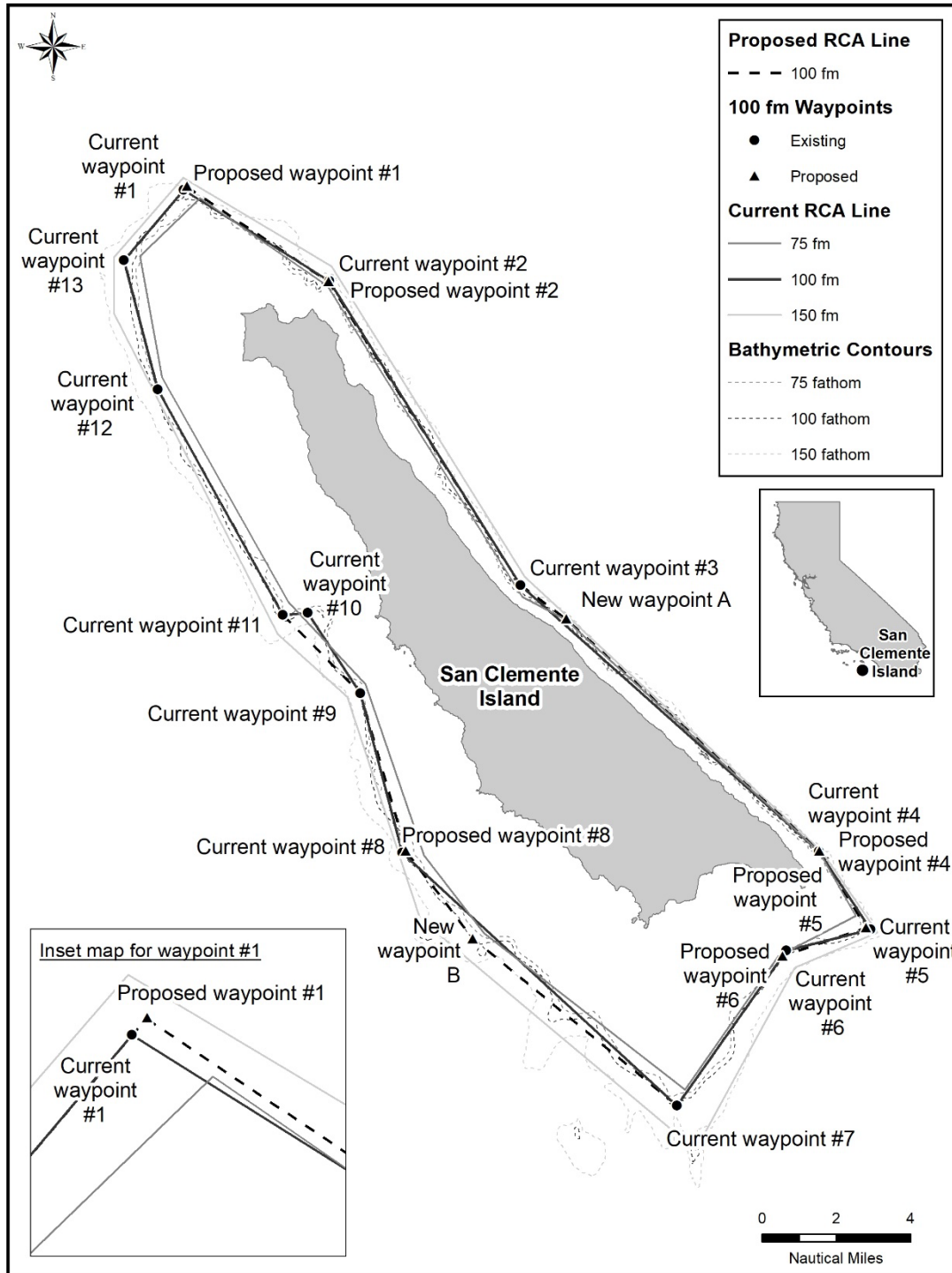


Figure 3. Proposed 100 fm RCA changes at San Clemente Island to correct cross overs with the 75 fm line. Cross overs may be too small to be seen at the scale of Figure 3. Cross overs in Figure 3 occur slightly south of proposed waypoint #1, at the location of new waypoint A, between new waypoint A and current waypoint #4, and at the location of current waypoint #6, shoreward of the location of new waypoint B, and at current waypoint #10. A zoomed in inset map is included in Figure 3 to show an example of a cross over as well as the change proposed to fix the crossover (i.e. proposed waypoint #1).

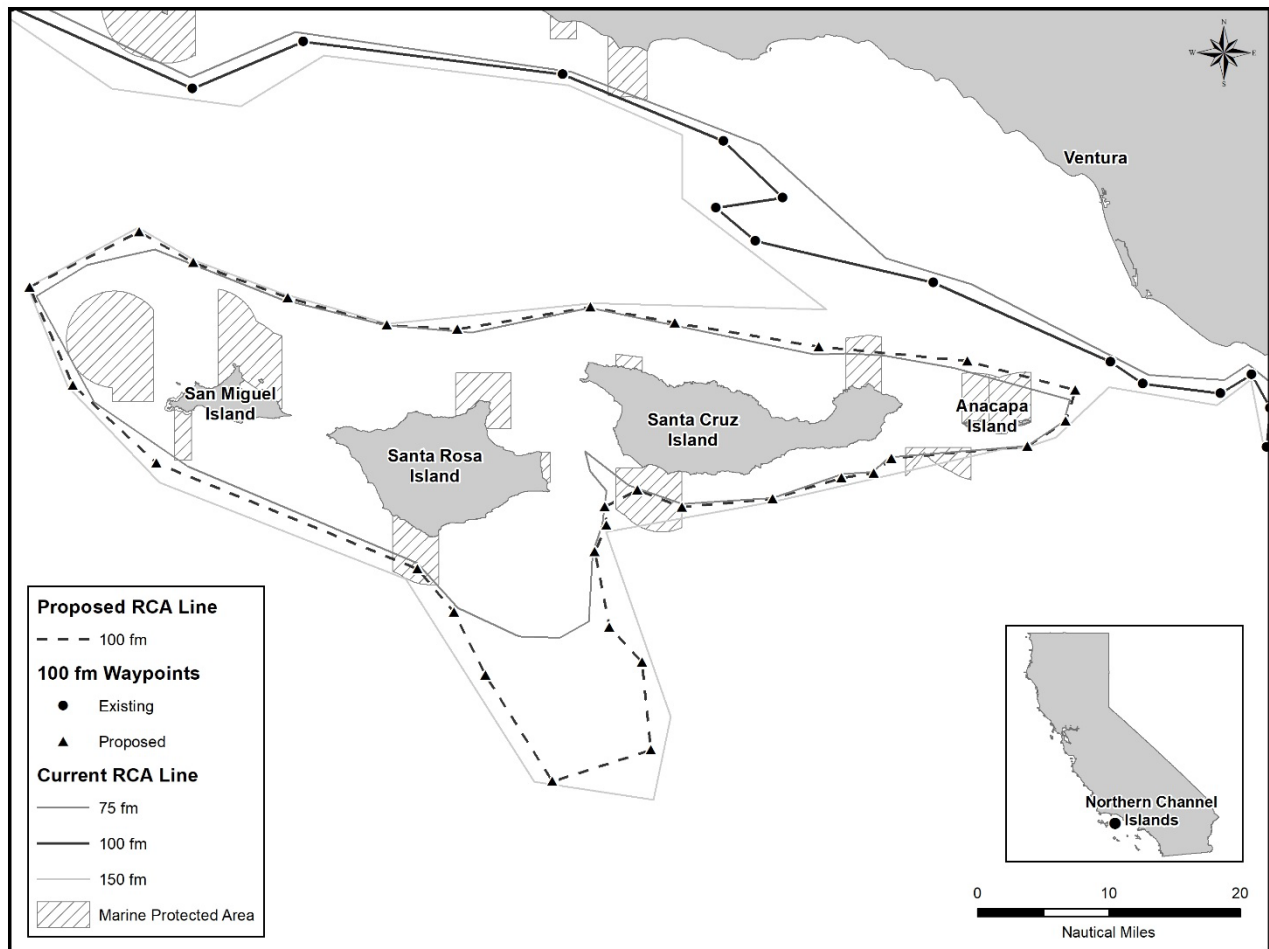


Figure 4. Overview map of proposed creation of a new 100 fm RCA line around the northern Channel Islands

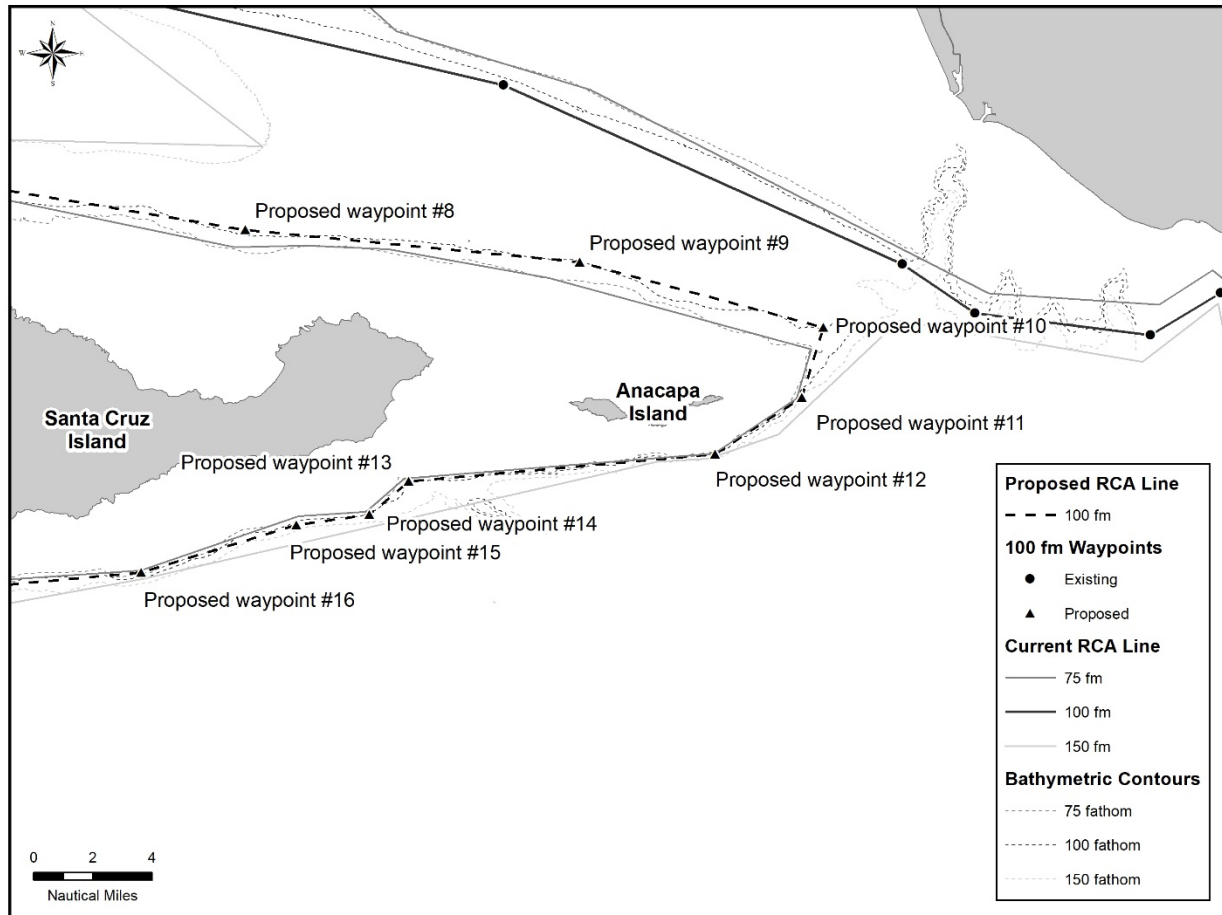


Figure 5. Proposed new 100 fm RCA line in the vicinity of the eastern end of the northern Channel Islands

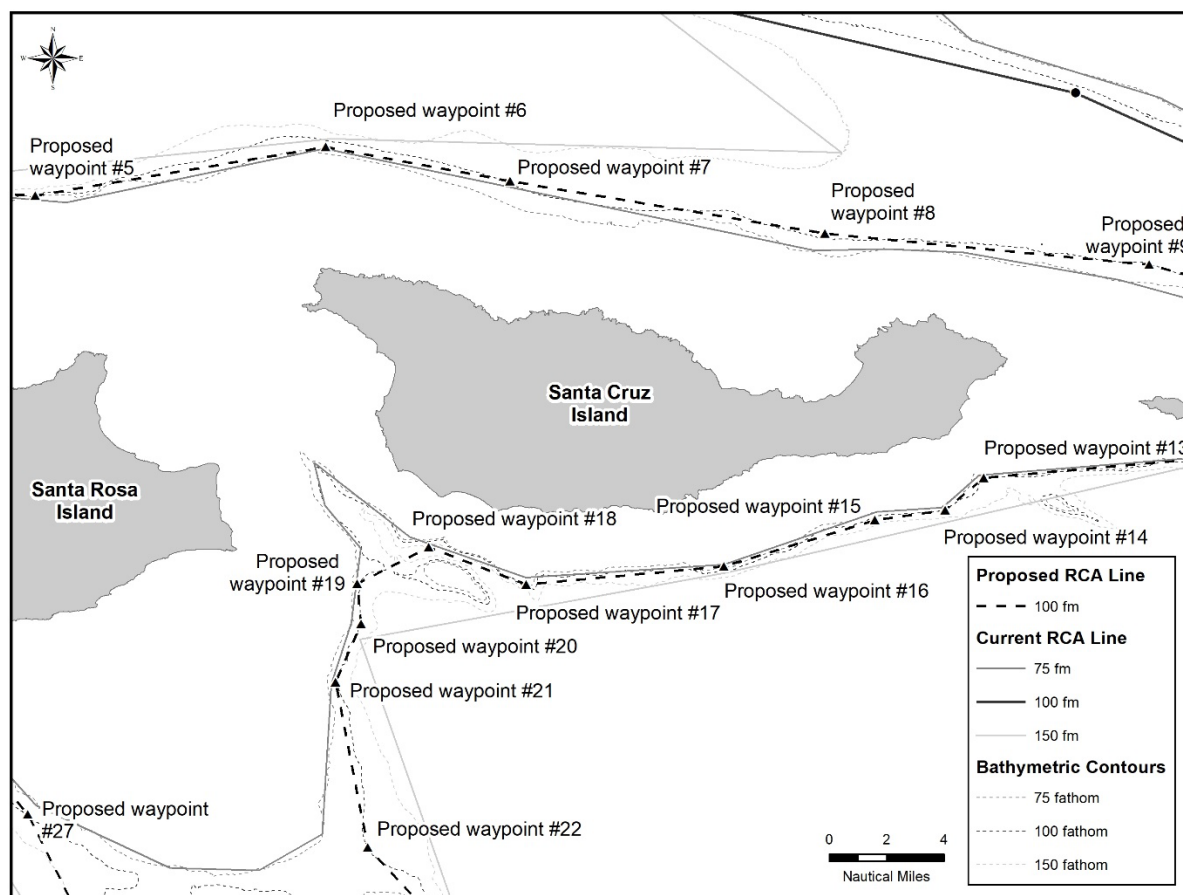


Figure 6. Proposed new 100 fm RCA line in vicinity of Santa Cruz Island

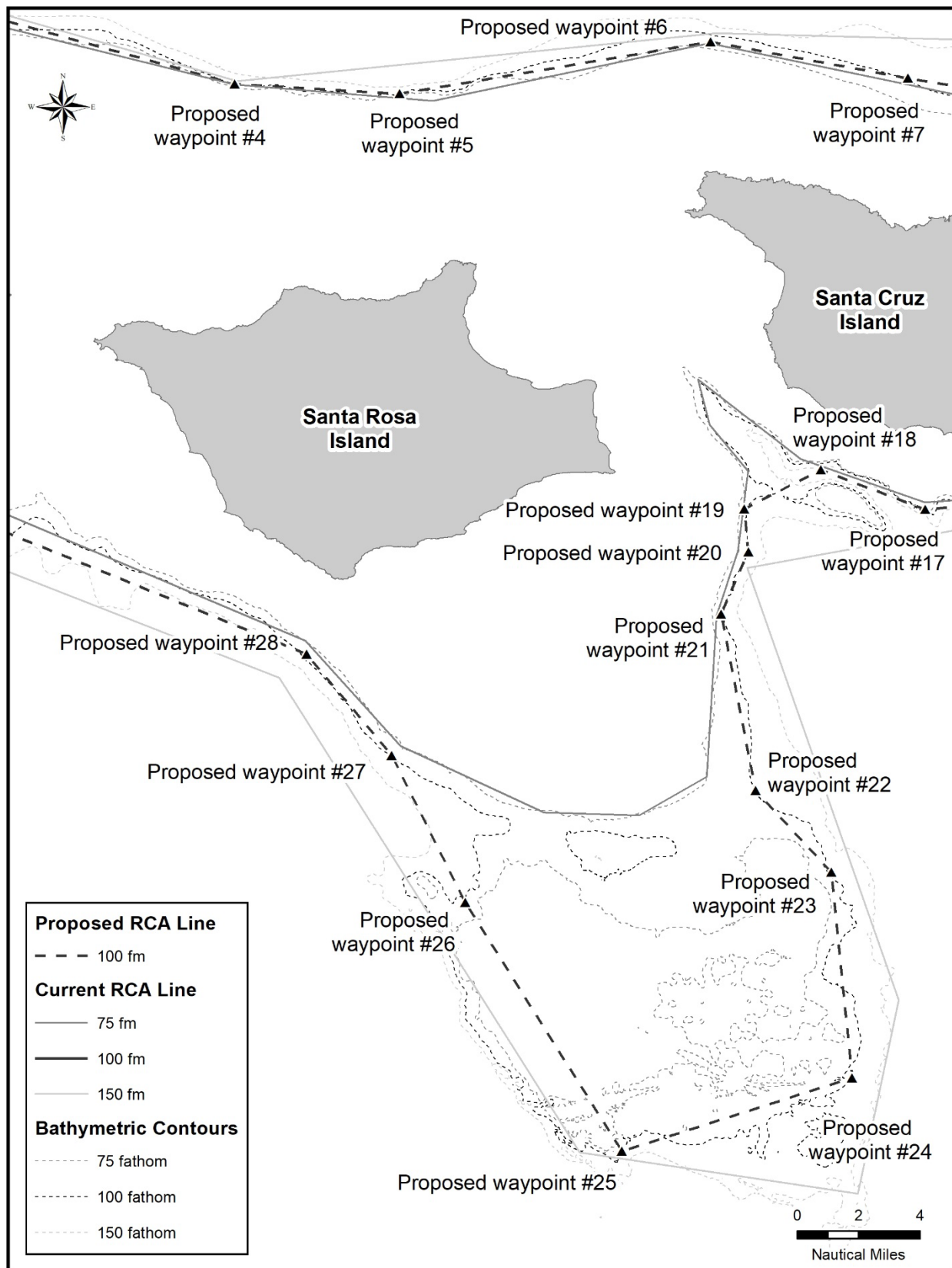


Figure 7. Proposed new 100 fm RCA line in vicinity of Santa Rosa Island

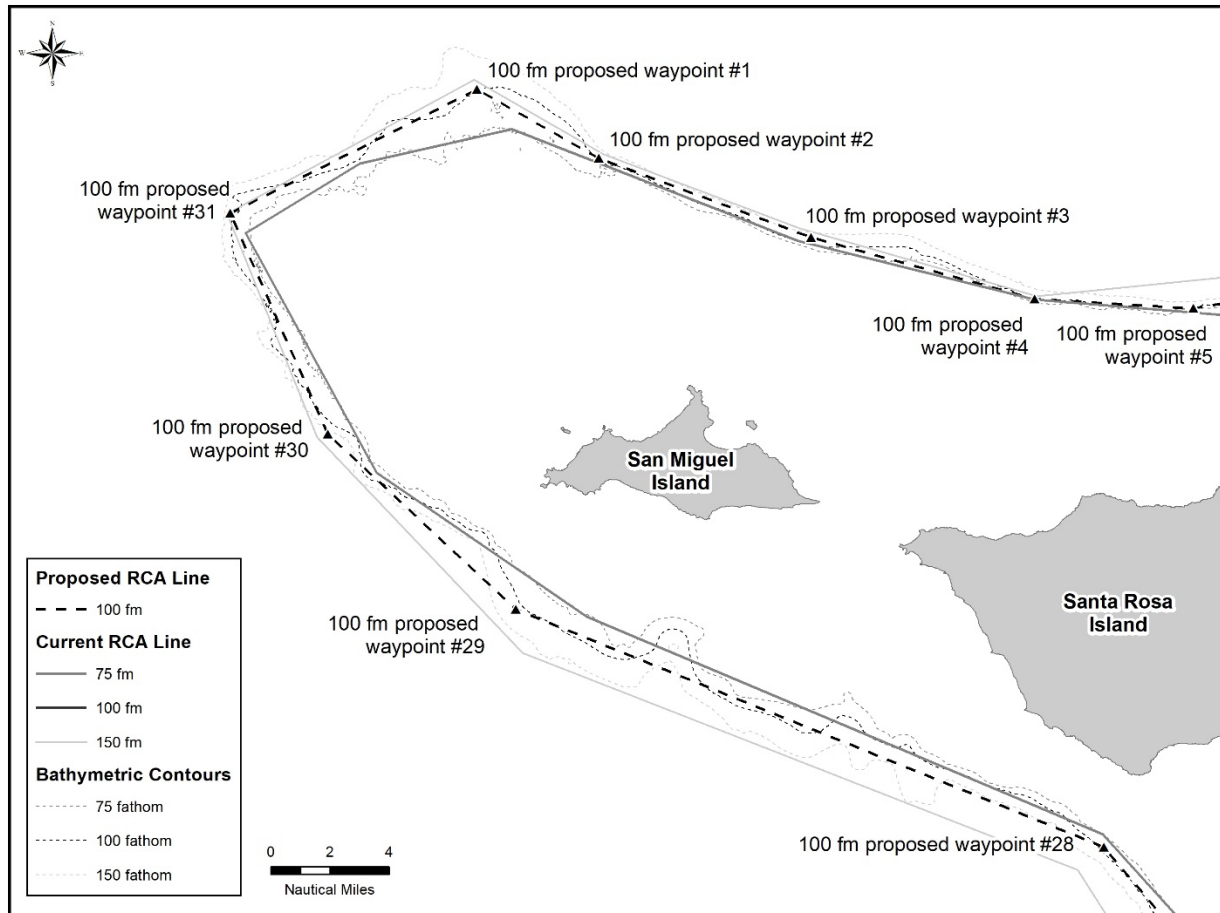


Figure 8. Proposed creation of a new 100 fm RCA line in the vicinity of the western end of northern Channel Islands

Table 1. Coordinates for proposed modifications to “The 100-fm (183-m) depth contour used between the U.S. border with Canada and the U.S. border with Mexico” RCA line south of 34°27' N. latitude.

Waypoint Number	Action	LatDeg Old	LatMin Old	LongDeg Old	LongMin Old	LatDeg New	LatMin New	LongDeg New	LongMin New
La Jolla									
308	No change	33	7.06	117	22.71				
New #1	Add					33	2.81	117	21.17
New #2	Add					33	1.76	117	20.51
309	Move	32	59.28	117	19.69	32	59.90	117	19.38
New #3	Add					32	57.29	117	18.94
New #4	Add					32	56.15	117	19.54
310	Move	32	55.36	117	19.54	32	55.30	117	19.38
New #5	Add					32	54.27	117	17.17
311	Move	32	53.35	117	17.05	32	52.94	117	17.11
312	Move	32	53.36	117	19.97	32	52.66	117	19.67
New #6	Add					32	50.95	117	21.17
New #7	Add					32	47.11	117	22.98
313	Move	32	46.39	117	23.45	32	45.60	117	22.64
314	No change	32	42.79	117	21.16				

Table 2. Coordinates for proposed modifications to “The 100 fm (183 m) depth contour around Santa Catalina Island off the state of California” RCA line south of 34°27' N. latitude.

Waypoint Number	Action	LatDeg Old	LatMin Old	LongDeg Old	LongMin Old	LatDeg New	LatMin New	LongDeg New	LongMin New
Santa Catalina Island									
9	No change	33	16.09	118	15.46				
10	Move	33	18.1	118	27.95	33	18.14	118	27.94
11	Move	33	19.84	118	32.16	33	19.84	118	32.22
12	Move	33	20.83	118	32.83	33	20.81	118	32.91
13	Move	33	21.91	118	31.98	33	21.94	118	32.03
14	Move	33	23.05	118	30.11	33	23.14	118	30.12
15	No change	33	24.87	118	32.45				

Table 3. Coordinates for proposed modifications to “The 100 fm (183 m) depth contour around San Clemente Island off the state of California” RCA line south of 34°27' N. latitude.

Waypoint Number	Action	LatDeg Old	LatMin Old	LongDeg Old	LongMin Old	LatDeg New	LatMin New	LongDeg New	LongMin New
San Clemente Island									
1	Move	33	4.73	118	37.98	33	4.80	118	37.90
2	Move	33	2.67	118	34.06	33	2.65	118	34.08
3	No change	32	55.8	118	28.92				
New A	Add					32	55.04	118	27.68
4	Move	32	49.78	118	20.88	32	49.79	118	20.87
5	Move	32	48.01	118	19.49	32	48.05	118	19.62
6	Move	32	47.53	118	21.76	32	47.41	118	21.86
7	No change	32	44.03	118	24.7				
New B	Add					32	47.81	118	30.20
8	Move	32	49.75	118	32.1	32	49.79	118	32.00
9	No change	32	53.36	118	33.23				
10	Remove	32	55.17	118	34.64				
11	No change	32	55.13	118	35.31				
12	No change	33	0.22	118	38.68				
13	No change	33	3.13	118	39.59				
14	Move	33	4.73	118	37.98	33	4.80	118	37.90

Table 4. Coordinates for proposed creation of a new 100 fm RCA line around the northern Channel Islands

Waypoint Number	Action	LatDeg New	LatMin New	LongDeg New	LongMin New
Northern Channel Islands					
1	Add	34	12.89	120	29.31
2	Add	34	10.96	120	25.19
3	Add	34	8.74	120	18.00
4	Add	34	7.02	120	10.45
5	Add	34	6.75	120	5.09
6	Add	34	8.15	119	54.96
7	Add	34	7.17	119	48.54
8	Add	34	5.66	119	37.58
9	Add	34	4.76	119	26.28
10	Add	34	2.93	119	18.06
11	Add	34	0.97	119	18.78
12	Add	33	59.38	119	21.71
13	Add	33	58.62	119	32.05
14	Add	33	57.69	119	33.38
15	Add	33	57.40	119	35.84
16	Add	33	56.07	119	41.10
17	Add	33	55.54	119	47.99
18	Add	33	56.60	119	51.40
19	Add	33	55.56	119	53.87
20	Add	33	54.40	119	53.74
21	Add	33	52.72	119	54.62
22	Add	33	47.95	119	53.50
23	Add	33	45.75	119	51.04
24	Add	33	40.18	119	50.36
25	Add	33	38.19	119	57.85
26	Add	33	44.92	120	2.95
27	Add	33	48.90	120	5.34
28	Add	33	51.64	120	8.11
29	Add	33	58.31	120	27.99
30	Add	34	3.23	120	34.34
31	Add	34	9.42	120	37.64
32	Add	34	12.89	120	29.31