Attachment 6- Discussion and Decision Document: Consideration of CEBA 3 Actions and Alternatives for Public Hearing

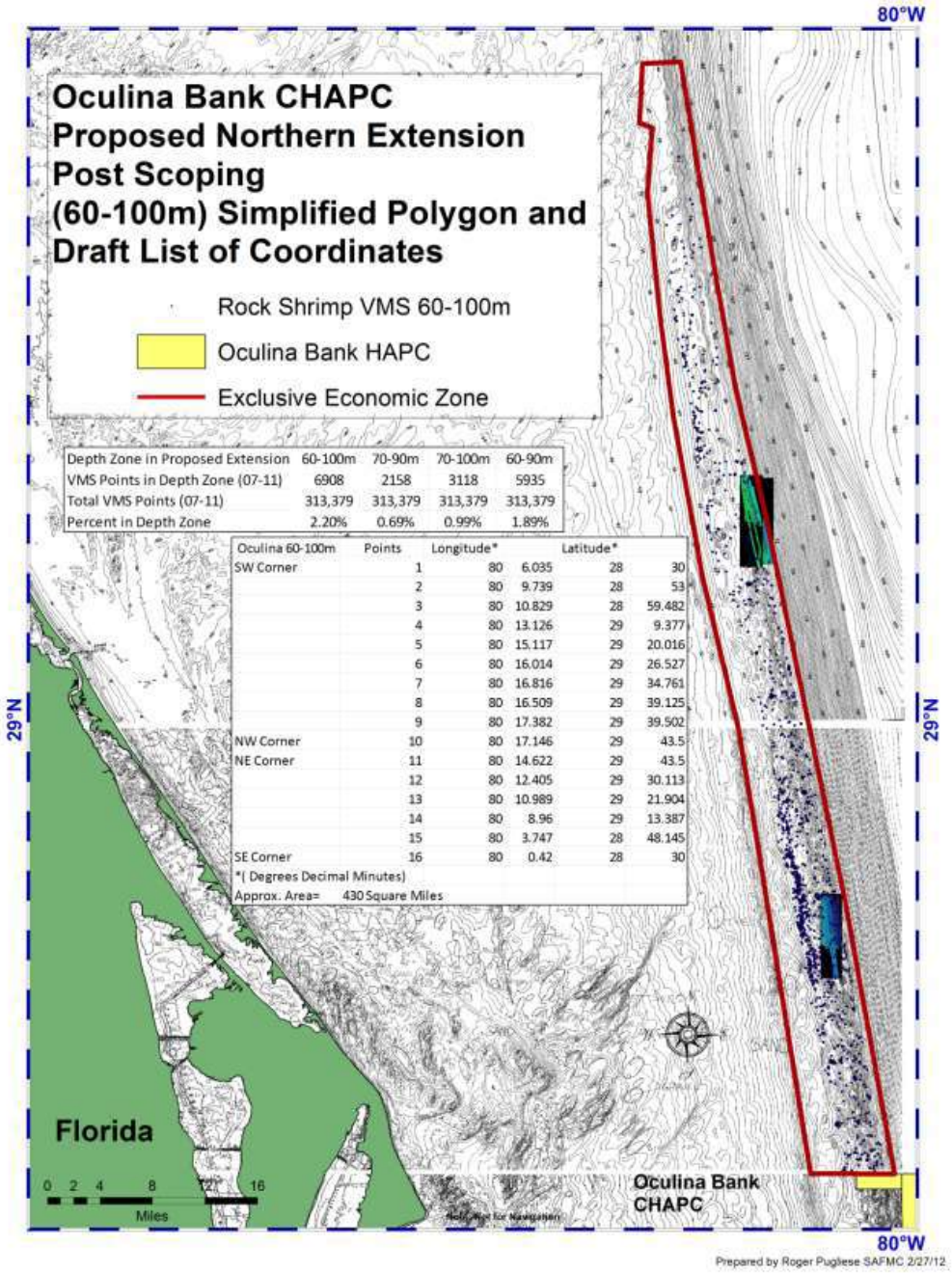
Habitat Advisory Panel Webinar May 15 (2:00 P.M. – 4:00 P.M.)

Action 1. Expand boundaries of the Oculina Bank HAPC.
**Selection of multi-Preferred Alternatives for this Action is possible.*

Alternative 1. No Action. The existing Oculina Bank HAPC is delineated by the following boundaries: on the north by 28°30' N, on the south by 27°30' N., on the east by the 100-fathom (183-m) contour, and on the west by 80°00' W.; and two adjacent satellite sites: the first bounded on the north by 28°30' N., on the south by 28°29' N., on the east by 80°00' W., and on the west by 80°03' W.; and the second bounded on the north by 28°17' N., on the south by 28°16' N., on the east by 80°00 W., and on the west by 80°03' W.

Alternative 2. Modify the northern boundary of the Oculina Bank HAPC.

Sub-Alternative 2a. Modify the northern boundary of the Oculina Bank HAPC: from the current northern boundary of the Oculina HAPC (28° 30'N) to 29° 43.5'N. The west and east boundaries would follow the 60 meter and 100 meter depth contour lines, as represented in the simplified polygon in **Figure 1**. Total area = 430 square nautical miles.
(Coral AP Recommendation - May 10, 2012)



Depth Zone in Proposed Extension	60-100m	70-90m	70-100m	60-90m
VMS Points in Depth Zone (07-11)	6908	2158	3118	5935
Total VMS Points (07-11)	313,379	313,379	313,379	313,379
Percent in Depth Zone	2.20%	0.69%	0.99%	1.89%

Oculina 60-100m	Points	Longitude*		Latitude*	
SW Corner	1	80	6.035	28	30
	2	80	9.739	28	53
	3	80	10.829	28	59.482
	4	80	13.126	29	9.377
	5	80	15.117	29	20.016
	6	80	16.014	29	26.527
	7	80	16.816	29	34.761
	8	80	16.509	29	39.125
	9	80	17.382	29	39.502
NW Corner	10	80	17.146	29	43.5
NE Corner	11	80	14.622	29	43.5
	12	80	12.405	29	30.113
	13	80	10.989	29	21.904
	14	80	8.96	29	13.387
	15	80	3.747	28	48.145
SE Corner	16	80	0.42	28	30

*(Degrees Decimal Minutes)
Approx. Area= 430 Square Miles

Figure 1. Oculina CHAPC Proposed Northern Extension: Post Scoping - Simplified Polygon (60-100m).

Sub-Alternative 2a. Modify the northern boundary of the Oculina Bank HAPC: from the current northern boundary of the Oculina HAPC (28° 30'N) to 29° 43.5'N. The west and east boundaries would follow the 70 meter and 90 meter depth contour lines, as represented in the simplified polygon in **Figure 2**. Total area = 228 square nautical miles.

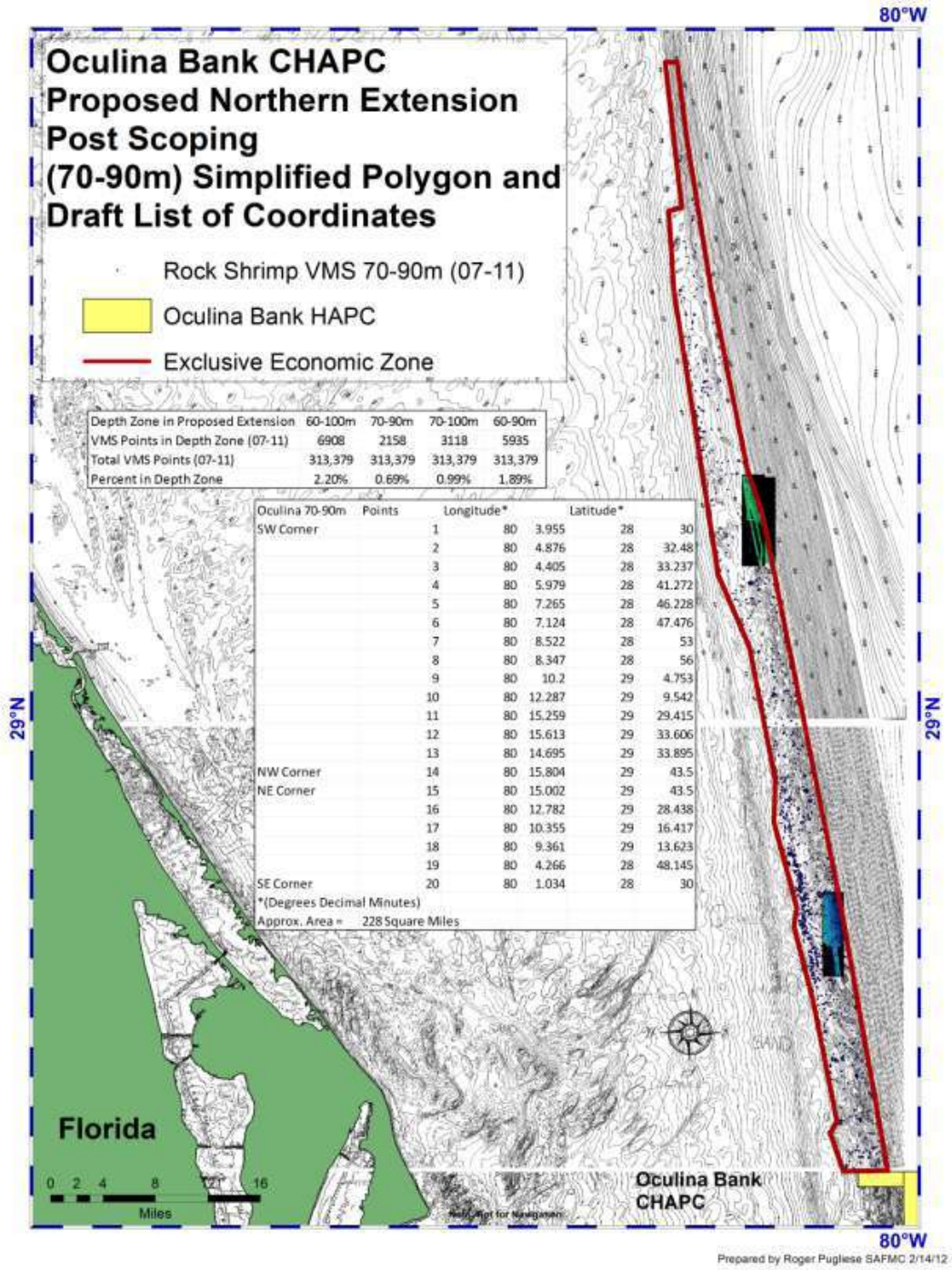
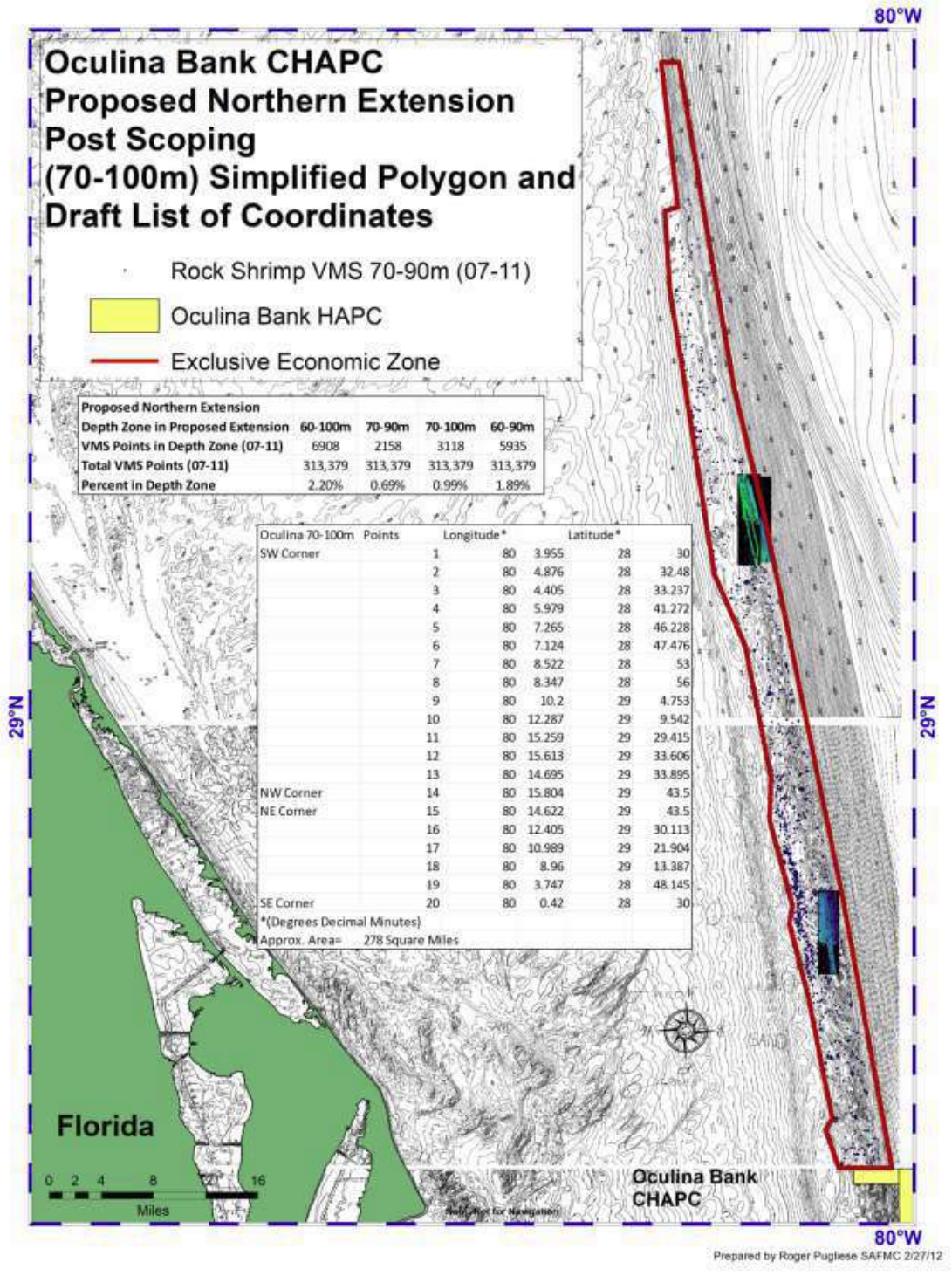


Figure 2. Oculina CHAPC Proposed Northern Extension: Post Scoping - Simplified Polygon (70-90m).

Sub-Alternative 2c. Modify the northern boundary of the Oculina Bank HAPC: from the current northern boundary of the Oculina HAPC (28° 30'N) to 29° 43.5'N. The west and east boundaries would follow the 70 meter and 100 meter depth contour lines, as represented in the simplified polygon in **Figure 2**. Total area = 278 square nautical miles.



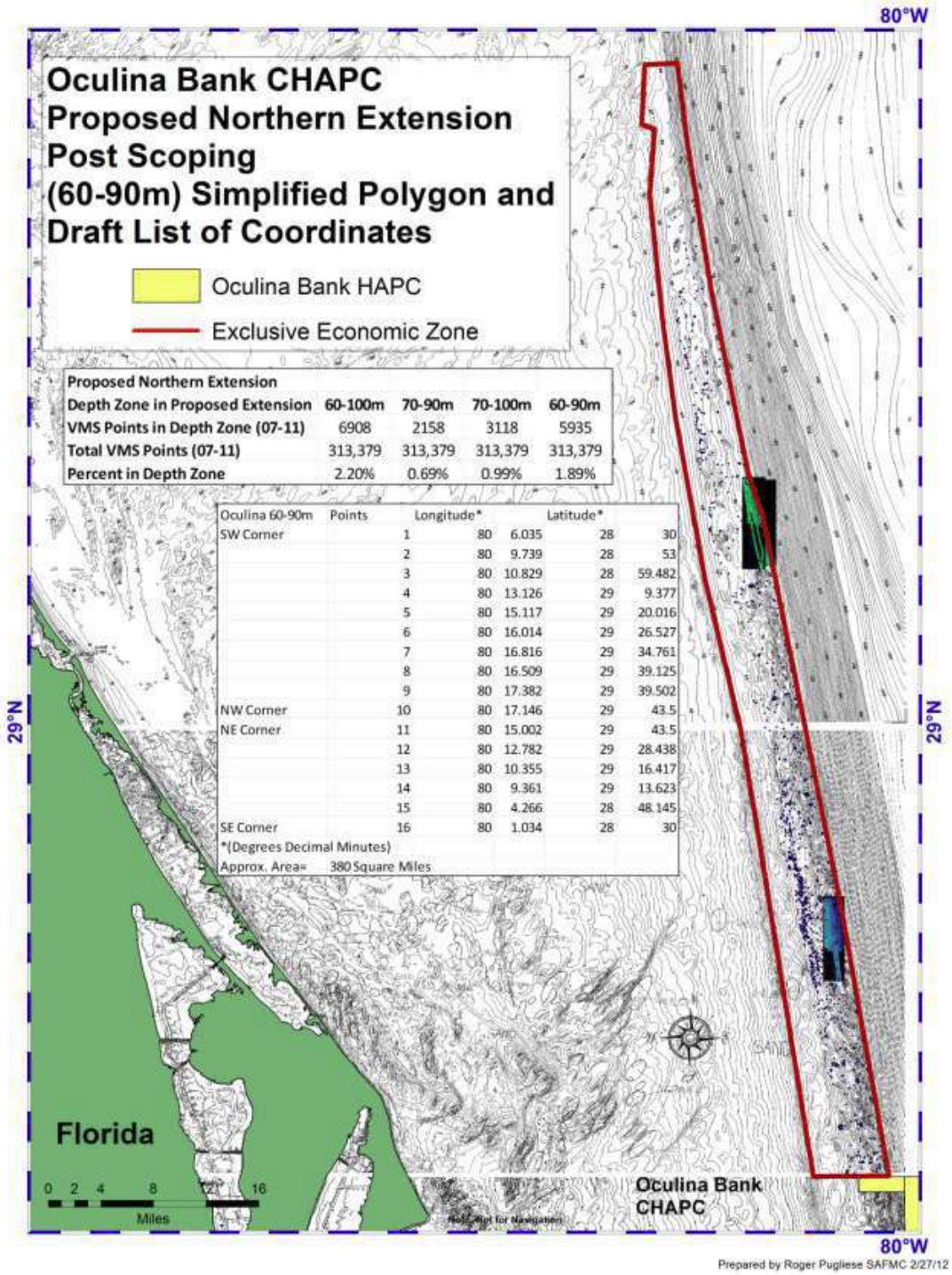
Proposed Northern Extension				
Depth Zone in Proposed Extension	60-100m	70-90m	70-100m	60-90m
VMS Points in Depth Zone (07-11)	6908	2158	3118	5935
Total VMS Points (07-11)	313,379	313,379	313,379	313,379
Percent in Depth Zone	2.20%	0.69%	0.99%	1.89%

Oculina 70-100m	Points	Longitude*		Latitude*	
SW Corner	1	80	3.955	28	30
	2	80	4.876	28	32.48
	3	80	4.405	28	33.237
	4	80	5.979	28	41.272
	5	80	7.265	28	46.228
	6	80	7.124	28	47.476
	7	80	8.522	28	53
	8	80	8.347	28	56
	9	80	10.2	29	4.753
	10	80	12.287	29	9.542
	11	80	15.259	29	29.415
	12	80	15.613	29	33.606
	13	80	14.695	29	33.895
NW Corner	14	80	15.804	29	43.5
NE Corner	15	80	14.622	29	43.5
	16	80	12.405	29	30.113
	17	80	10.989	29	21.904
	18	80	8.96	29	13.387
	19	80	3.747	28	48.145
SE Corner	20	80	0.42	28	30

*(Degrees Decimal Minutes)
Approx. Area= 278 Square Miles

Figure 3. Oculina CHAPC Proposed Northern Extension: Post Scoping -Simplified Polygon (70-100m).

Sub-Alternative 2d. Modify the northern boundary of the Oculina Bank HAPC: from the current northern boundary of the Oculina HAPC (28° 30'N) to 29° 43.5'N. The west and east boundaries would follow the 60 meter and 90 meter depth contour lines, as represented in the simplified polygon in **Figure 2**. Total area = 380 square nautical miles.



Proposed Northern Extension				
Depth Zone in Proposed Extension	60-100m	70-90m	70-100m	60-90m
VMS Points in Depth Zone (07-11)	6908	2158	3118	5935
Total VMS Points (07-11)	313,379	313,379	313,379	313,379
Percent in Depth Zone	2.20%	0.69%	0.99%	1.89%

Oculina 60-90m	Points	Longitude*		Latitude*	
SW Corner	1	80	6.035	28	30
	2	80	9.739	28	53
	3	80	10.829	28	59.482
	4	80	13.126	29	9.377
	5	80	15.117	29	20.016
	6	80	16.014	29	26.527
	7	80	16.816	29	34.761
	8	80	16.509	29	39.125
	9	80	17.382	29	39.502
NW Corner	10	80	17.146	29	43.5
NE Corner	11	80	15.002	29	43.5
	12	80	12.782	29	28.438
	13	80	10.355	29	16.417
	14	80	9.361	29	13.623
	15	80	4.266	28	48.145
SE Corner	16	80	1.034	28	30

*(Degrees Decimal Minutes)
Approx. Area= 380 Square Miles

Figure 4. Oculina CHAPC Proposed Northern Extension: Post Scoping -Simplified Polygon (60-90m).

Alternative 3. Modify the western boundary of the Oculina Bank HAPC from 28° 4.5'N to the north boundary of the current Oculina HAPC (28° 30'N). The east boundary would coincide with the current western boundary of the Oculina HAPC (80° W). The west boundary would follow the 80° 03'W longitude between 28° 30'N and 28° 16'N which is the west border of the Oculina HAPC satellite regions then follow approximately the 60 meter contour as represented in the simplified polygon in Figure 5. Total area = 76 square nautical miles. (Coral AP recommendation - May 10, 2012)

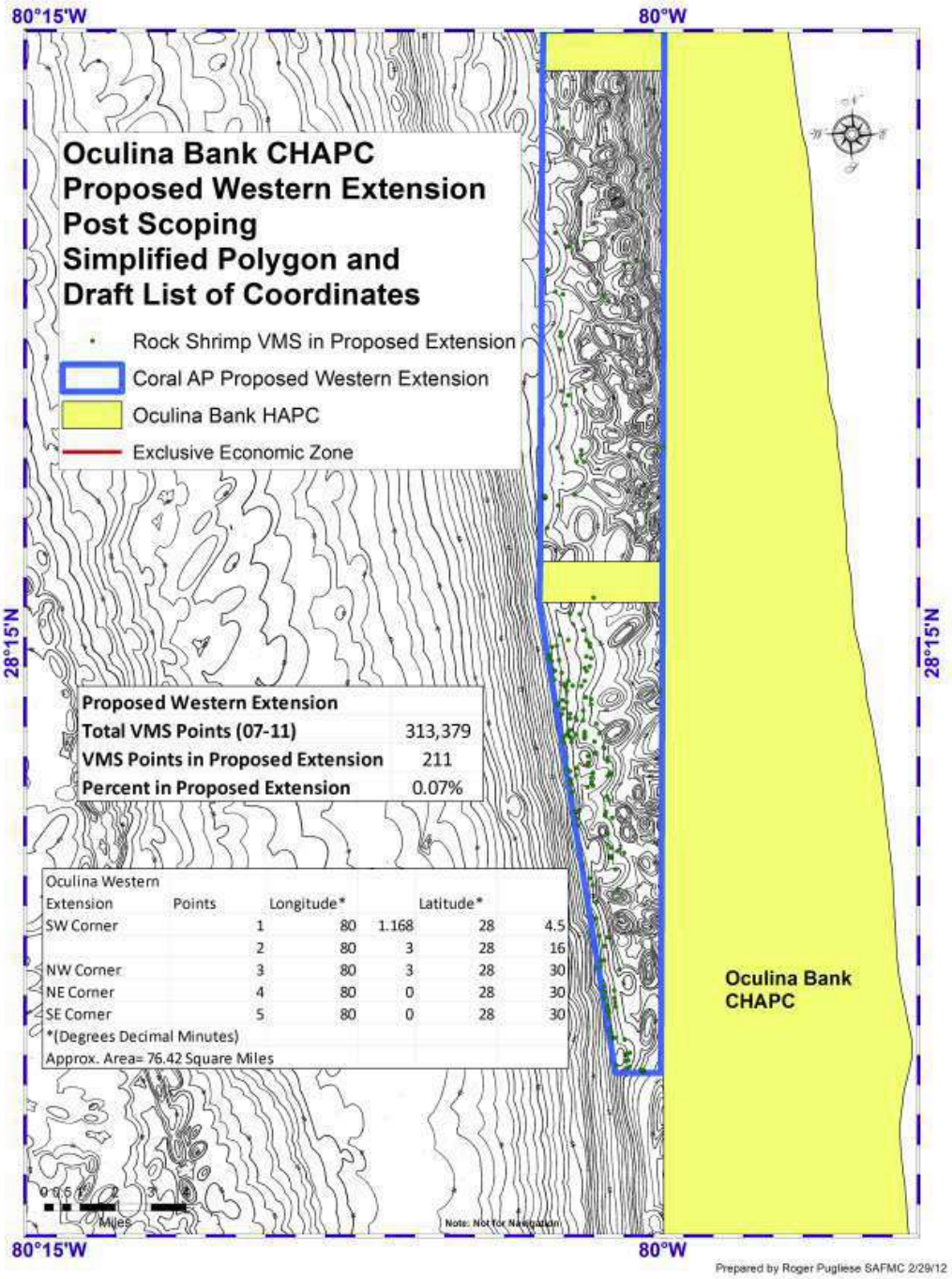
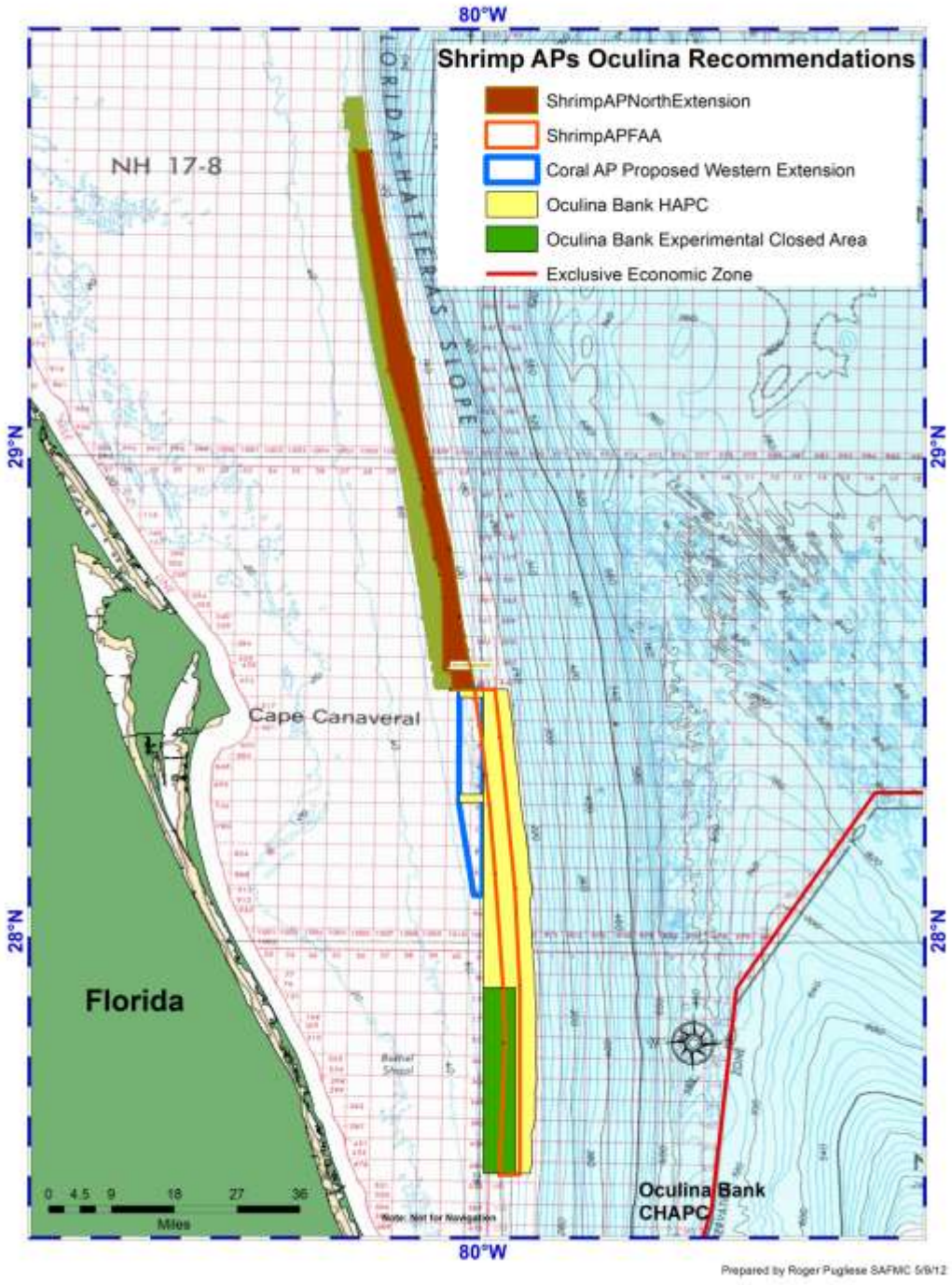


Figure 5. Oculina CHAPC Proposed Western Extension: Post Scoping -Simplified Polygon.

Alternative 4. Allow for transit through the Oculina Bank HAPC based on recommendations by the Law Enforcement Advisory Panel:
• Consult CFR §622.35 (i)(2) for reference to stowing gear and transit (pertains to MPAs but language can be adopted and altered accordingly to be applicable to the deepwater shrimp fisheries).
• If transit is allowed through the HAPC, request that industry increase ping rate for VMS.
• Stowing of gear is recommended by the LE AP instead of corridors for transiting Oculina Bank HAPC, in addition to speed restrictions (no less than 5 knots). In the event minimal speed is not sustainable, vessel must communicate to appropriate contact.

Action 2. Expand Stetson-Miami Terrace Coral HAPC to incorporate a *Lophelia* site off Jacksonville.
Alternative 1. No Action. The existing Stetson-Miami Terrace Coral HAPC is delineated by the coordinates identified in CFR §633.35 (n)(iii).
Alternative 2. Expand Stetson-Miami Terrace Coral HAPC in the area west of the existing boundary approximately by the 200 meter depth contour between latitude 30°45.0' to the north and latitude 29°52.0' to the south (**Figure 4**). (Coral AP recommendation)

Shrimp AP and Deepwater Shrimp AP Oculina Bank Recommendations



Alternative 3. Modify the Coral AP recommendation for expanding the Stetson-Miami Terrace Coral HAPC to include area of mapped habitat within the expansion, and exclude areas of royal red fishery activity based on VMS data (**Figure 6a**).

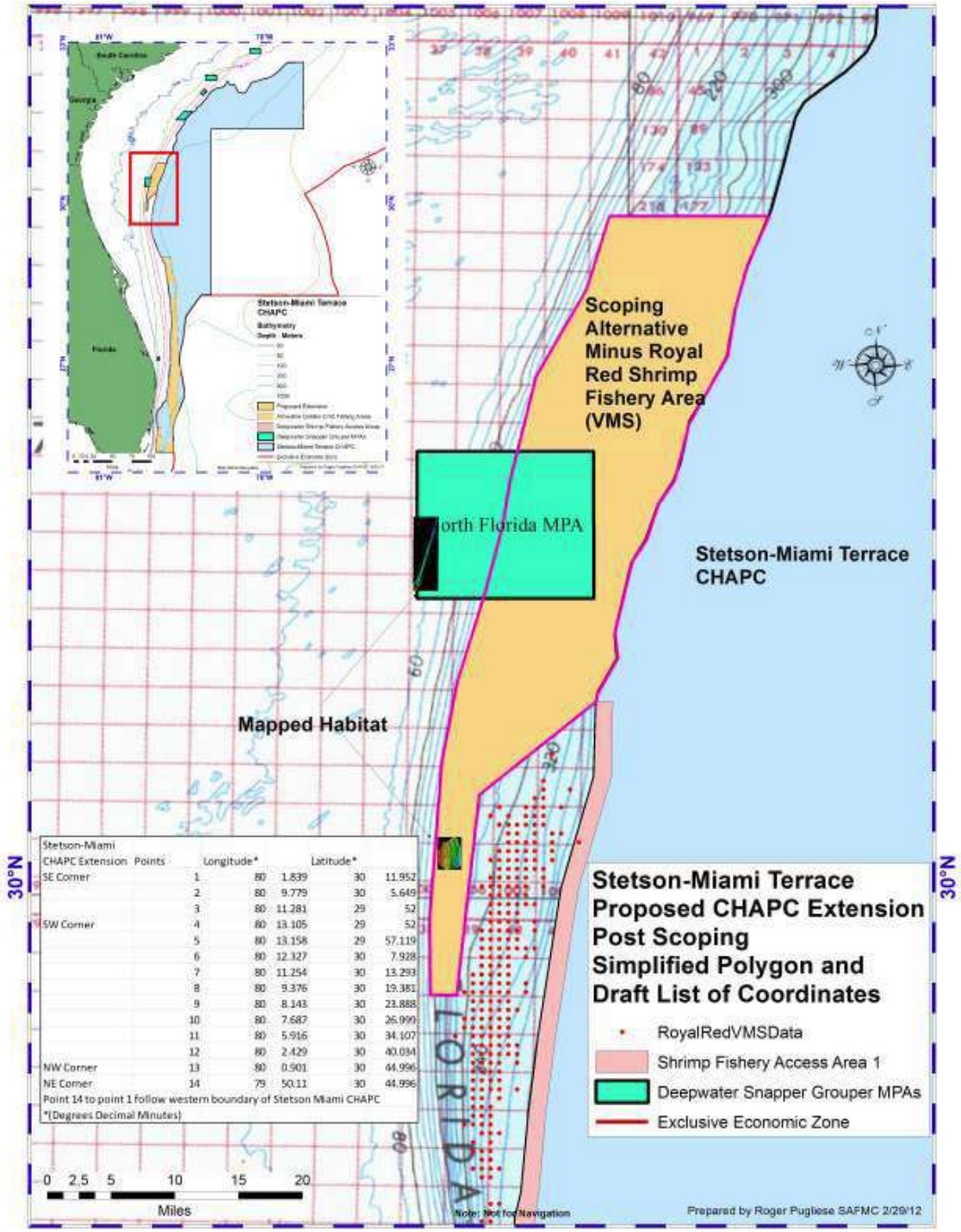


Figure 6a. Stetson-Miami CHAPC Proposed Extension: Post Scoping -Simplified Polygon.

(Coral AP Recommendation May 10, 2012)

Alternative 3. Modify the Coral AP recommendation for expanding the Stetson-Miami Terrace Coral HAPC to include area of mapped habitat within the expansion, and exclude areas of royal red fishery activity based on VMS data (**Figure 6b**).

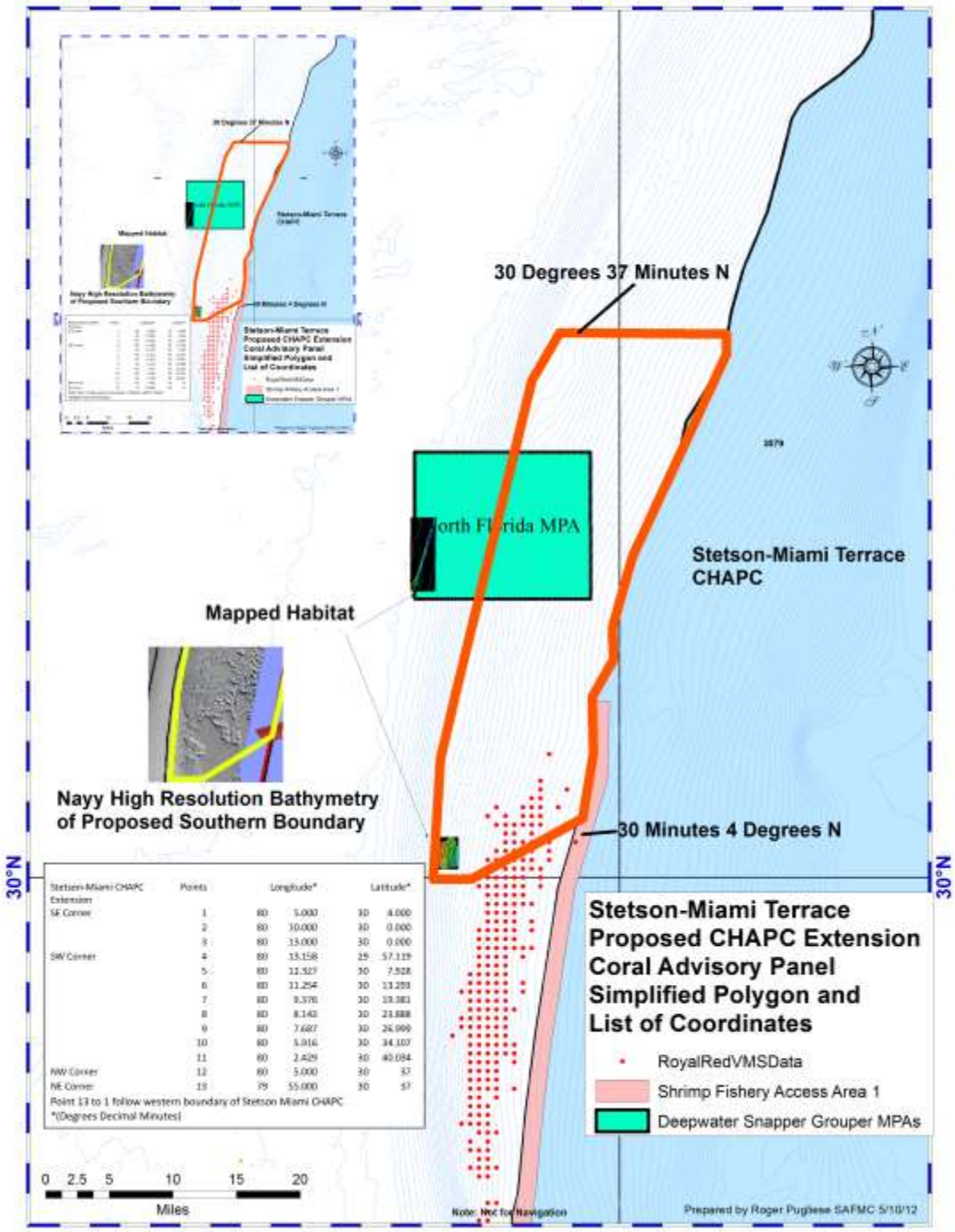


Figure 6b. Stetson-Miami CHAPC Proposed Extension: Post Scoping -Simplified Polygon.

Action 3. Expand Cape Lookout Coral HAPC.

Alternative 1. No Action. The existing Cape Lookout Coral HAPC is identified by the following coordinates:

Latitude	Longitude
34°24’37”	75°45’11”
34°10’26”	75°58’44”
34°05’47”	75°54’54”
34°21’02”	75°41’25”

Alternative 2. Extend the northern boundary to encompass the area identified by the following coordinates (**Figure 7**):

Latitude	Longitude
34°24.6166’	75°45.1833’
34°23.4833’	75°43.9667’
34°27.9’	75°42.75’
34°27.0’	75°41.5’

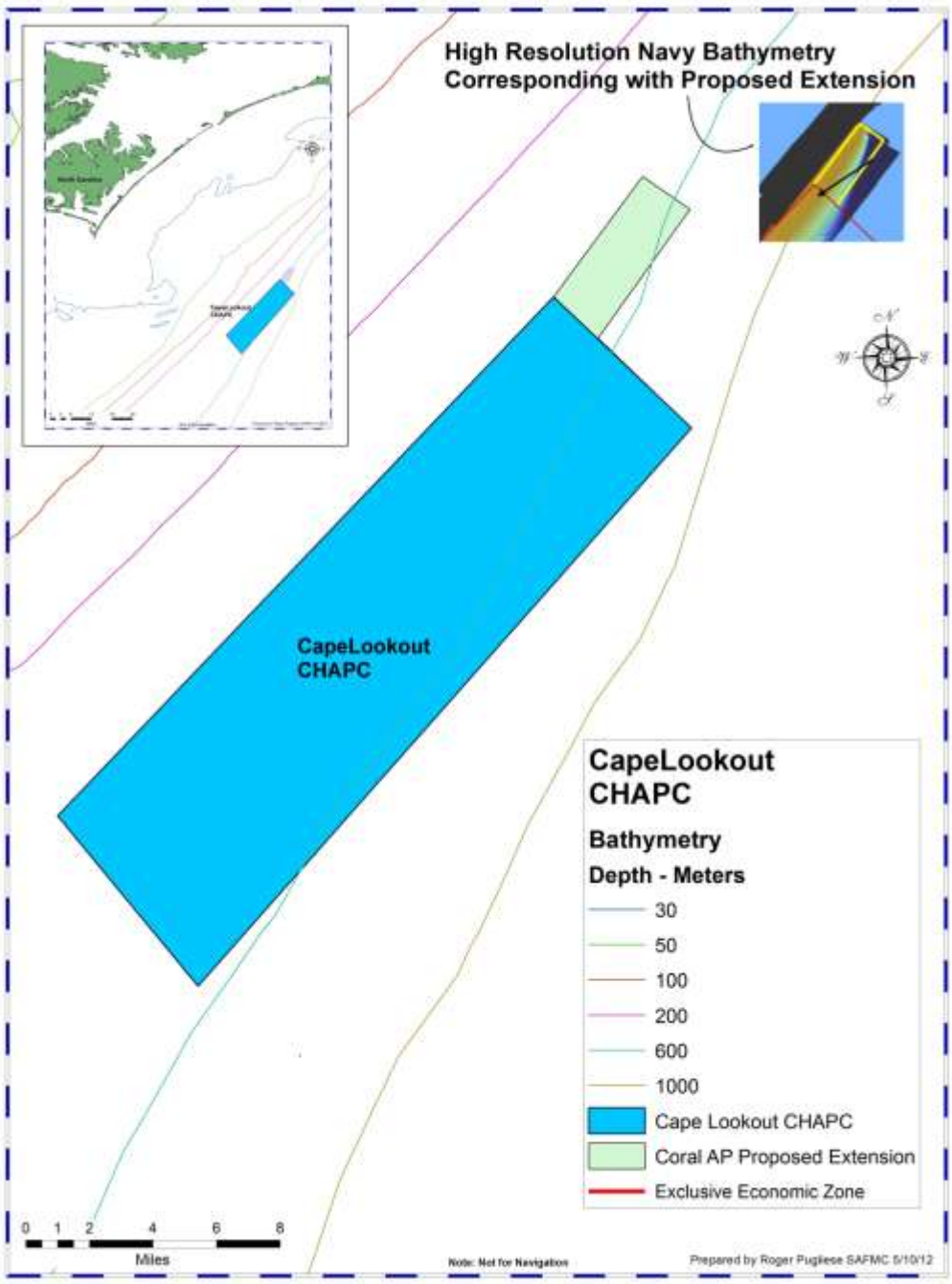


Figure 7. Cape Lookout CHAPC Proposed Extension.