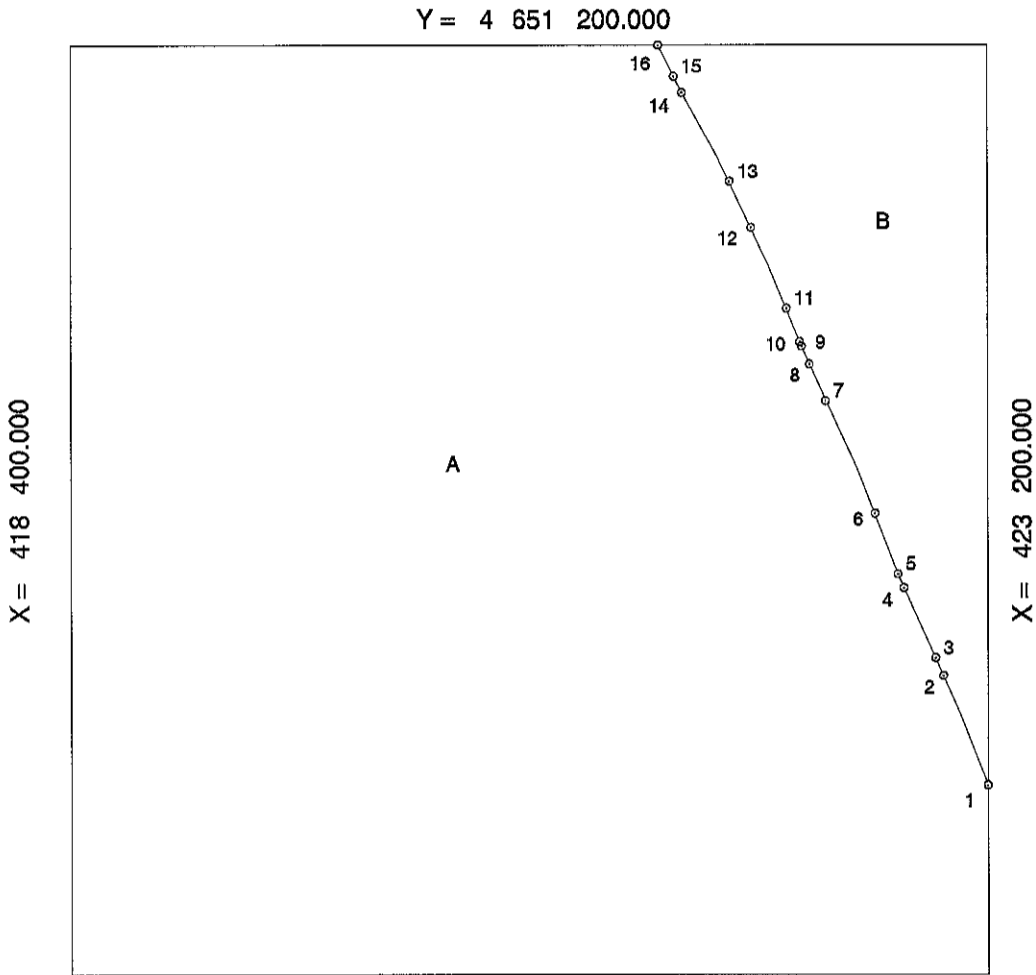


Supplemental Official OCS Block Diagram

OCS Planning Area Name North Atlantic
Leasing Map / OPD Name Cashes Ledge
Submerged Lands Act Boundary Radius 5556.000

Leasing Map/
OPD Number NK19-05
Block Number 7104
Datum NAD 83/WGS 84
Units Meters
Previous SOBD
Signature Date 13-MAR-1997



State
Area A = 1989.326944 ha

Federal
8(g) Area B = 314.673056 ha

Total Area 2304.000000 ha

Offshore Intersections				Contributing Baseline Points			
X		Y		X		Y	
1	423 200.000	4 647 376.832	1 - 2	417 958.035	4 645 535.382		
2	422 968.388	4 647 936.528	2 - 3	417 860.220	4 645 751.177		
3	422 927.530	4 648 029.664	3 - 4	417 792.817	4 645 907.435		
4	422 762.487	4 648 391.688	4 - 5	417 667.536	4 646 175.699		
5	422 730.717	4 648 463.347	5 - 6	417 474.700	4 646 662.397		
6	422 611.968	4 648 778.433	6 - 7	417 409.333	4 646 828.633		
7	422 353.636	4 649 362.998	7 - 8	417 239.068	4 647 192.668		
8	422 269.771	4 649 550.880	8 - 9	417 192.130	4 647 295.509		
9	422 227.565	4 649 643.599	9 - 10	417 073.963	4 647 567.661		
10	422 218.314	4 649 666.419	10 - 11	417 030.131	4 647 678.483		
11	422 149.212	4 649 838.147	11 - 12	416 989.180	4 647 778.242		
12	421 963.153	4 650 253.869	12 - 13	416 888.397	4 647 992.014		
13	421 850.453	4 650 491.441	13 - 14	416 834.533	4 648 101.947		
14	421 601.957	4 650 955.156	14 - 15	416 639.159	4 648 457.203		
15	421 559.544	4 651 037.696	15 - 16	416 559.791	4 648 614.557		
16	421 477.577	4 651 200.000					

Island Hermablen 01/19/2005
For the Director, MMS Date

Retu R Manner 12/14/09
For the State Date