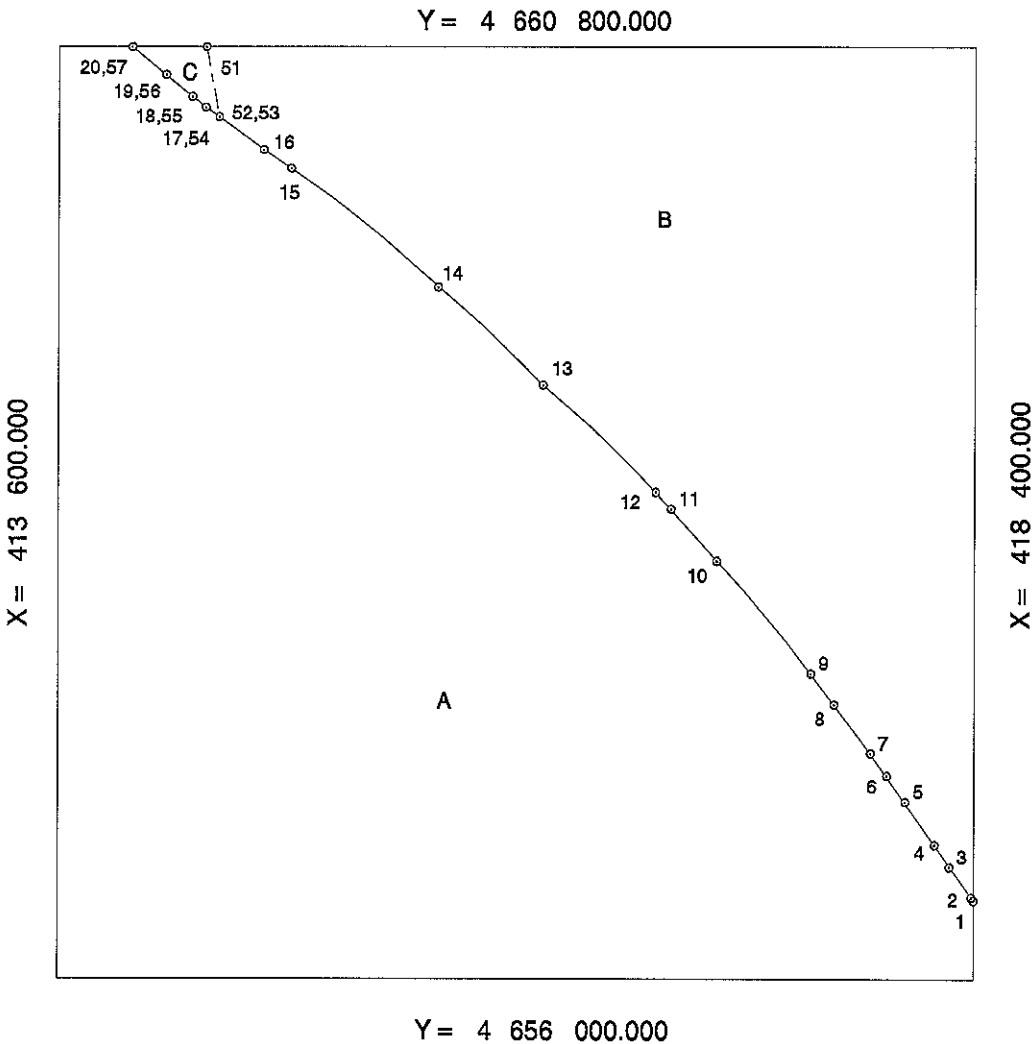


Supplemental Official OCS Block Diagram

OCS Planning Area Name	North Atlantic	Leasing Map/OPD Number	NK19-05
Leasing Map / OPD Name	Cashes Ledge	Block Number	7003
Submerged Lands Act Boundary Radius	5556.000	Datum	NAD 83/WGS 84
Sanctuary Limit Radius	5556.000	Units	Meters
		Previous SOBD Signature Date	01-APR-1999



State Area	A = 1458.090582 ha
Federal 8(g) Area	B = 838.751039 ha
Federal Withdrawn Area	C = 7.158379 ha
Total Area	2304.000000 ha


Offshore Intersections			Contributing Baseline Points			Tangent Baseline End Points	
	X	Y		X	Y	X	Y
1	418 400.000	4 656 405.587	1 - 2	413 918.311	4 653 121.748		
2	418 388.238	4 656 421.580	2 - 3	413 853.269	4 653 211.721		
3	418 273.053	4 656 578.417	3 - 4	413 649.332	4 653 497.778		
4	418 195.782	4 656 691.354	4 - 5	413 553.852	4 653 638.221		
5	418 041.655	4 656 913.699	5 - 6	413 483.908	4 653 736.267		
6	417 945.533	4 657 047.315	6 - 7	413 414.932	4 653 831.294		
7	417 859.808	4 657 164.792	7 - 8	413 345.945	4 653 925.321		
8	417 667.833	4 657 416.799	8 - 9	413 170.159	4 654 154.888		
9	417 546.993	4 657 577.236	9 - 10	413 101.525	4 654 244.526		
10	417 051.466	4 658 151.840	10 - 11	412 824.082	4 654 546.516		
11	416 812.029	4 658 415.031	11 - 12	412 745.001	4 654 629.742		
12	416 730.125	4 658 501.165	12 - 13	412 660.240	4 654 718.948		
13	416 137.854	4 659 051.999	13 - 14	412 098.864	4 655 236.807		
14	415 589.543	4 659 559.341	14 - 15	411 750.879	4 655 542.651		
15	414 820.763	4 660 173.520	15 - 16	411 653.689	4 655 608.569		
16	414 676.961	4 660 270.002	16 - 17	411 276.535	4 655 876.116		

----- Stellwagen Bank National Marine Sanctuary

Supplemental Official OCS Block Diagram

OCS Planning Area Name	North Atlantic	Leasing Map/	
Leasing Map / OPD Name	Cashes Ledge	OPD Number	NK19-05
		Block Number	7003

Offshore Intersections				Contributing Baseline Points				Tangent Baseline End Points	
	X		Y		X		Y	X	Y
17	414	372.113	4 660 489.849	17 -18	410	955.053	4 656 108.886		
18	414	301.539	4 660 543.992	18 -19	410	697.251	4 656 315.725		
19	414	164.244	4 660 657.279	19 -20	410	603.815	4 656 392.015		
20	413	985.945	4 660 800.000						
51	414	376.237	4 660 800.000						
52	414	443.393	4 660 441.217						
53	414	443.393	4 660 441.217	53 -54	411	276.535	4 655 876.116		
54	414	372.113	4 660 489.849	54 -55	410	955.053	4 656 108.886		
55	414	301.539	4 660 543.992	55 -56	410	697.251	4 656 315.725		
56	414	164.244	4 660 657.279	56 -57	410	603.815	4 656 392.015		
57	413	985.945	4 660 800.000						



01/19/2005
Date

For the Director, MMS



12/14/09
Date

For the State