Alaska Outer Continental Shelf

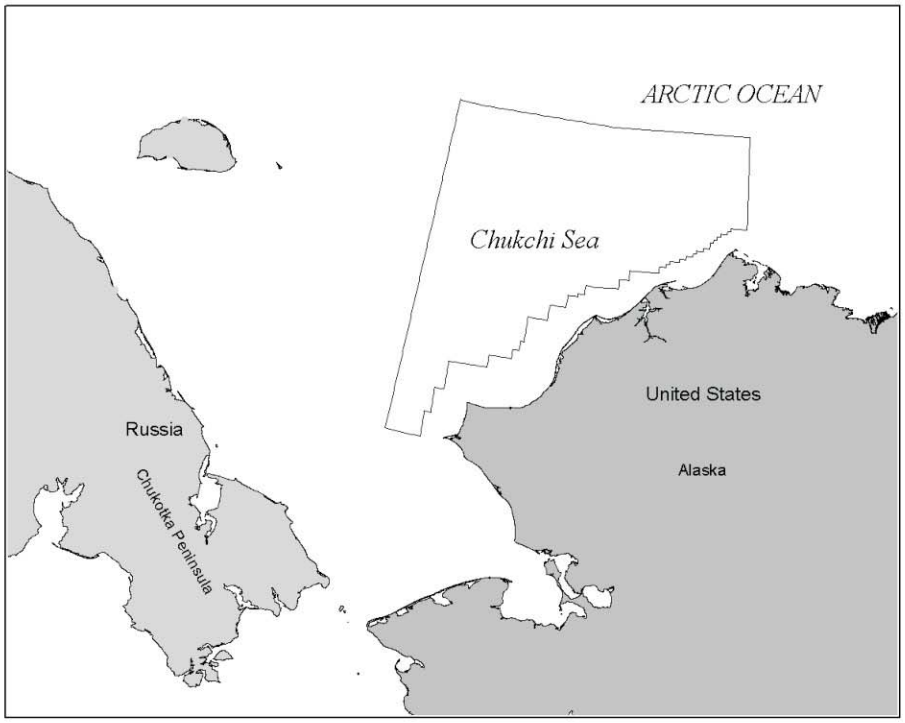
OCS EIS/EA
MMS 2006-060

Chukchi Sea Planning Area

Oil and Gas Lease Sale 193 and Seismic Surveying Activities in the Chukchi Sea

Draft Environmental
Impact Statement

Volume II
Tables, Figures, Maps, and Appendices



MMS
U.S. Department of the Interior
Minerals Management Service
Alaska OCS Region

Alaska Outer Continental Shelf

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Chukchi Sea Planning Area
Oil and Gas Lease Sale 193 and Seismic Surveying Activities in the Chukchi Sea

Final Environmental Impact Statement

Volume II
(Tables, Figures, Maps, and Appendices)

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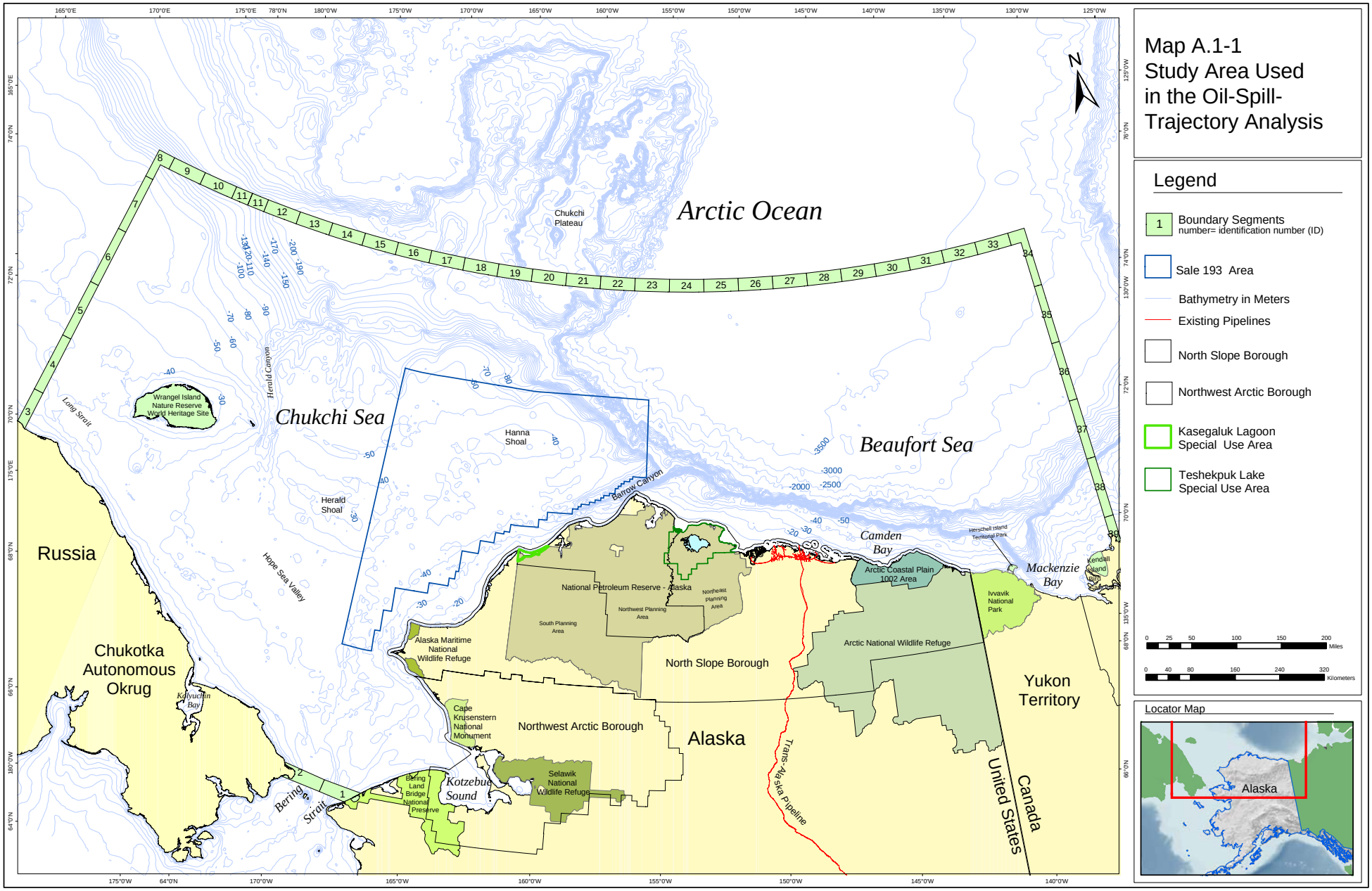
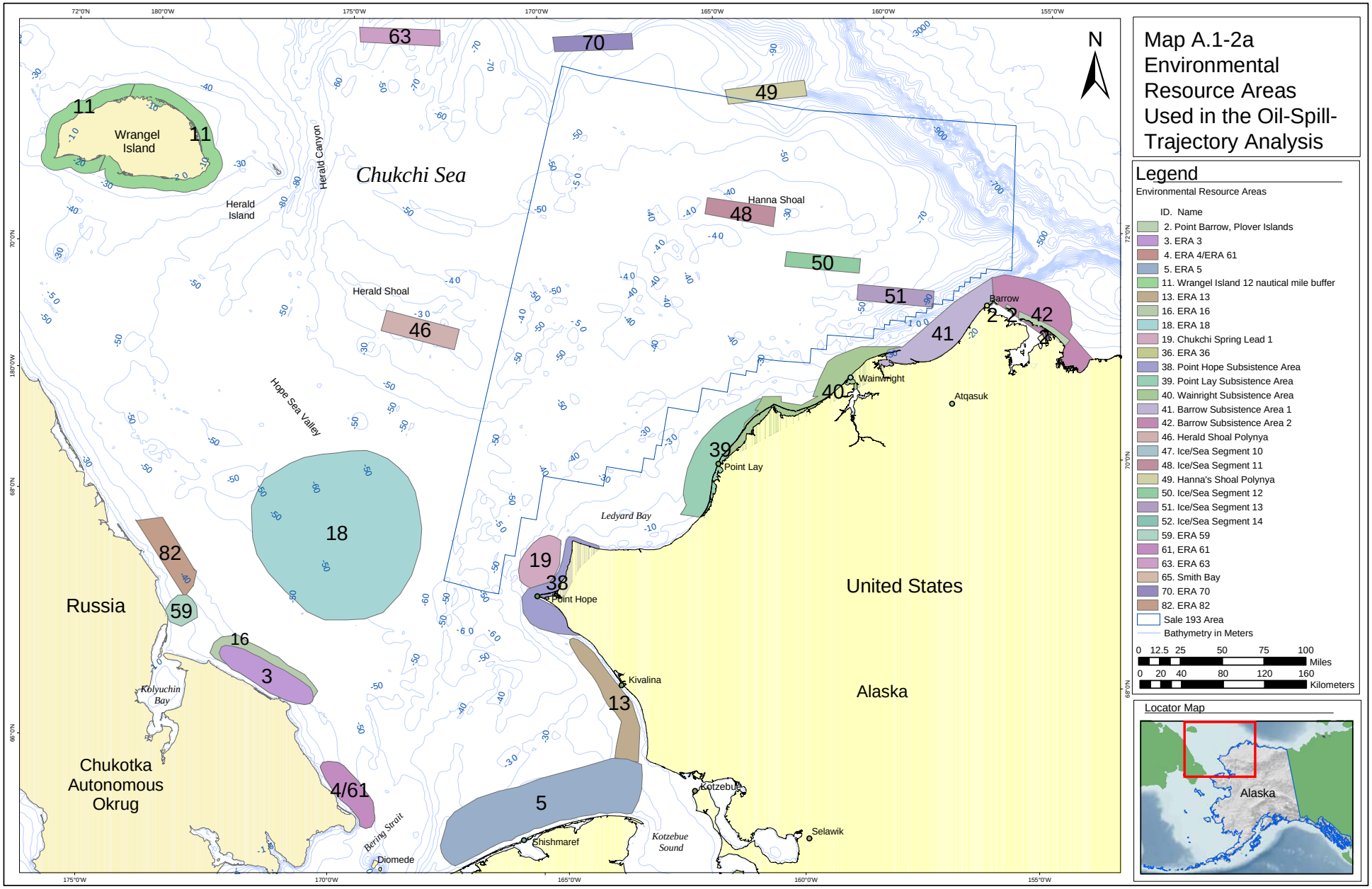
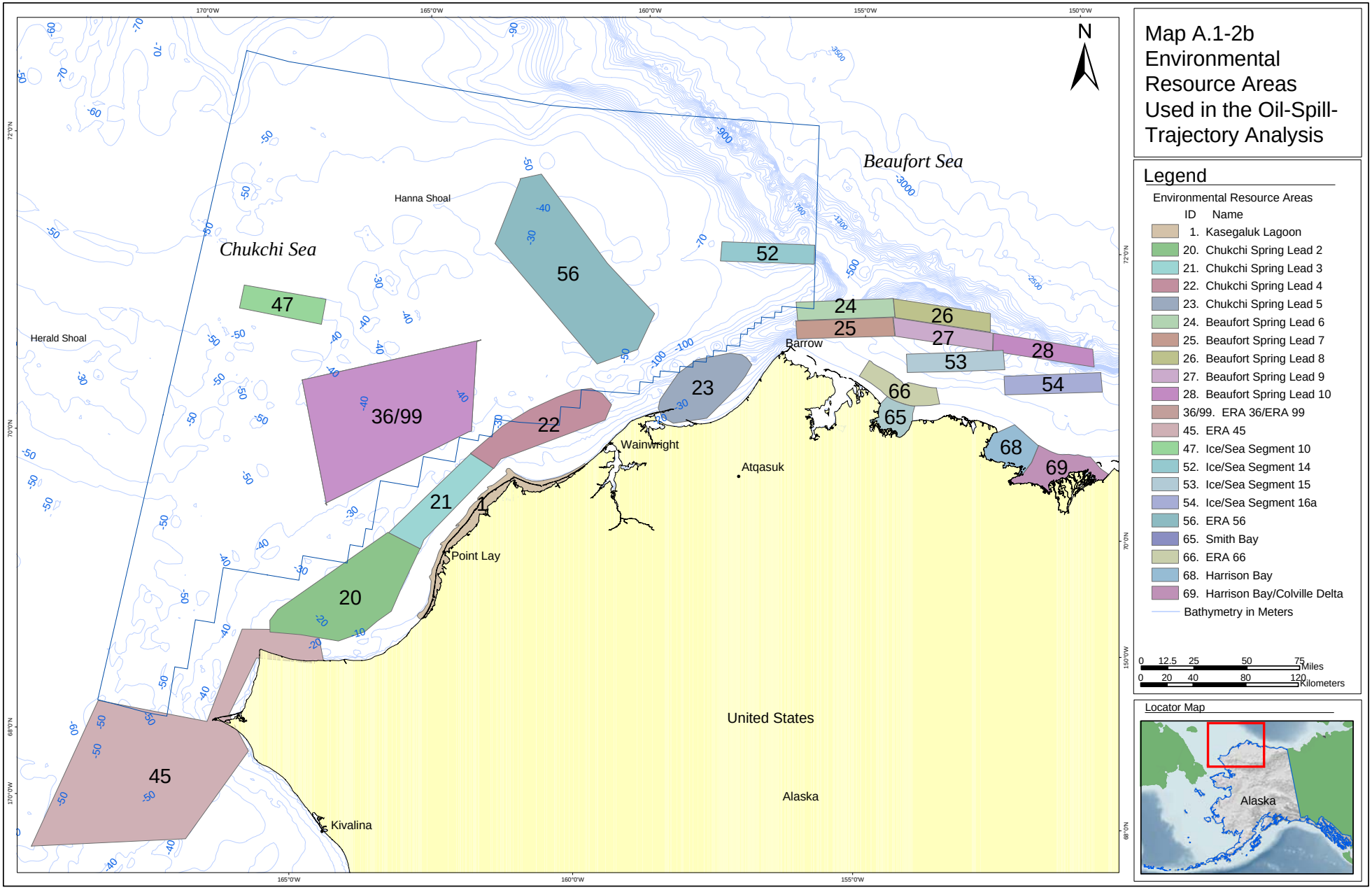
Cooperating Agency
U.S. Department of Commerce,
National Oceanographic and Atmospheric Administration,
National Marine Fisheries Service

U.S. Department of the Interior
Minerals Management Service
Alaska OCS Region

October 2006


Arctic Ocean
Chukchi Plateau
Chukchi Sea
Beaufort Sea
Hanna Shoal
Herald Shoal
Herald Canyon
Hope Sea Valley
Long Strait
Wrangel Island Nature Reserve World Heritage Site
Barrow Canyon
Camden Bay
Mackenzie Bay
Herschell Island Territorial Park
Kendall Island Bird Sanctuary
Arctic Coastal Plain 1002 Area
Ivvavik National Park
Arctic National Wildlife Refuge
National Petroleum Reserve - Alaska
Northeast Planning Area
Northwest Planning Area
South Planning Area
Alaska Maritime National Wildlife Refuge
North Slope Borough
Northwest Arctic Borough
Alaska
Yukon Territory
Canada
United States
Russia
Chukotka Autonomous Okrug
Kolyuchin Bay
Cape Krusenstern National Monument
Kotzebue Sound
Bering Land Bridge National Preserve
Selawik National Wildlife Refuge
Bering Strait
Trans-Alaska Pipeline
N
Map A.1-1
Study Area Used in the Oil-Spill-Trajectory Analysis
Legend
Boundary Segments
number= identification number (ID)
Sale 193 Area
Bathymetry in Meters
Existing Pipelines
North Slope Borough
Northwest Arctic Borough
Kasegaluk Lagoon Special Use Area
Teshekpuk Lake Special Use Area
Miles
Kilometers
Locator Map
Alaska


Map A.1-2a
Environmental
Resource Areas
Used in the Oil-Spill-
Trajectory Analysis
Legend
Environmental Resource Areas
ID. Name
2. Point Barrow, Plover Islands
3. ERA 3
4. ERA 4/ERA 61
5. ERA 5
11. Wrangel Island 12 nautical mile buffer
13. ERA 13
16. ERA 16
18. ERA 18
19. Chukchi Spring Lead 1
36. ERA 36
38. Point Hope Subsistence Area
39. Point Lay Subsistence Area
40. Wainright Subsistence Area
41. Barrow Subsistence Area 1
42. Barrow Subsistence Area 2
46. Herald Shoal Polynya
47. Ice/Sea Segment 10
48. Ice/Sea Segment 11
49. Hanna's Shoal Polynya
50. Ice/Sea Segment 12
51. Ice/Sea Segment 13
52. Ice/Sea Segment 14
59. ERA 59
61, ERA 61
63. ERA 63
65. Smith Bay
70. ERA 70
82. ERA 82
Sale 193 Area
Bathymetry in Meters
0 12.5 25 50 75 100 Miles
0 20 40 80 120 160 Kilometers
Locator Map
Alaska
N
Chukchi Sea
Wrangel Island
Herald Island
Herald Canyon
Herald Shoal
Hanna Shoal
Hope Sea Valley
Ledyard Bay
Russia
United States
Alaska
Chukotka Autonomous Okrug
Kolyuchin Bay
Bering Strait
Kotzebue Sound
Barrow
Wainwright
Atqasuk
Point Lay
Point Hope
Kivalina
Kotzebue
Selawik
Shishmaref
Diomede
11
63
70
49
48
50
51
2
42
41
40
39
46
18
19
38
82
59
16
3
13
4/61
5


Map A.1-2b
Environmental
Resource Areas
Used in the Oil-Spill-
Trajectory Analysis
N
Legend
Environmental Resource Areas
ID Name
1. Kasegaluk Lagoon
20. Chukchi Spring Lead 2
21. Chukchi Spring Lead 3
22. Chukchi Spring Lead 4
23. Chukchi Spring Lead 5
24. Beaufort Spring Lead 6
25. Beaufort Spring Lead 7
26. Beaufort Spring Lead 8
27. Beaufort Spring Lead 9
28. Beaufort Spring Lead 10
36/99. ERA 36/ERA 99
45. ERA 45
47. Ice/Sea Segment 10
52. Ice/Sea Segment 14
53. Ice/Sea Segment 15
54. Ice/Sea Segment 16a
56. ERA 56
65. Smith Bay
66. ERA 66
68. Harrison Bay
69. Harrison Bay/Colville Delta
Bathymetry in Meters
0 12.5 25 50 75 Miles
0 20 40 80 120 Kilometers
Locator Map
Alaska
Chukchi Sea
Beaufort Sea
Hanna Shoal
Herald Shoal
Barrow
Wainwright
Atqasuk
Point Lay
Kivalina
United States
Alaska
170°0'W
165°0'W
160°0'W
155°0'W
150°0'W
72°0'N
70°0'N
68°0'N
47
56
52
24
25
26
27
28
53
54
66
65
68
69
23
22
36/99
21
1
20
45