

Table III-1
Possible Sales-Related Activities, Updated with the Percentage of Leases Issued during Sales 186 and 195

	Near/Shallow Zone		Midrange/Medium Zone		Far/Deepwater Zone		Total Projects
	Leasing and Exploration	Development Projects	Leasing and Exploration	Development Projects	Leasing and Exploration	Development Projects	
Sale 186	70% (25%)	2	20% (16%)	1	10% (59%)	0	3
Sale 195	50%	1	30%	1	20%	0	2
Sale 202	40%	0	30%	0	30%	1	1
Total	53%	3	27%	2	20%	1	6

**Table III-2
Representative Development Schedule for Sale 202**

Year	Exploration Wells	Delineation Wells	Exploration Drilling Rigs	Production Platforms	Production Wells	Injection Wells	Production Drilling Rigs	Offshore Pipelines (miles)	New Shorebases	Field #1 Oil Production (MMbbl)	Cumulative Oil Production (MMbbl)
2003	—	—	—	—	—	—	—	—	—	—	—
2004	—	—	—	—	—	—	—	—	—	—	—
2005	—	—	—	—	—	—	—	—	—	—	—
2006	—	—	—	—	—	—	—	—	—	—	—
2007	—	—	—	—	—	—	—	—	—	—	—
2008	—	—	—	—	—	—	—	—	—	—	—
2009	—	—	—	—	—	—	—	—	—	—	—
2010	1	—	1	—	—	—	—	—	—	—	—
2011	—	—	—	—	—	—	—	—	—	—	—
2012	1	—	1	—	—	—	—	—	—	—	—
2013	1	1	1	—	—	—	—	—	—	—	—
2014	—	2	1	—	—	—	—	—	—	—	—
2015	1	2	1	—	—	—	—	—	1	—	—
2016	—	—	—	—	—	—	—	—	—	—	—
2017	1	—	1	—	—	—	—	—	—	—	—
2018	1	—	1	1	4	4	1	35	—	—	—
2019	—	—	—	1	14	8	2	—	—	30.8	30.8
2020	—	—	—	—	20	8	2	—	—	38.6	69.4
2021	—	—	—	—	20	9	2	—	—	38.6	108.0
2022	—	—	—	—	10	5	1	—	—	38.6	146.6
2023	—	—	—	—	—	—	—	—	—	38.6	185.2
2024	—	—	—	—	—	—	—	—	—	38.6	223.8
2025	—	—	—	—	—	—	—	—	—	34.0	257.8
2026	—	—	—	—	—	—	—	—	—	29.9	287.7
2027	—	—	—	—	—	—	—	—	—	26.3	314.0
2028	—	—	—	—	—	—	—	—	—	23.2	337.2
2029	—	—	—	—	—	—	—	—	—	20.4	357.6
2030	—	—	—	—	—	—	—	—	—	17.9	375.5
2031	—	—	—	—	—	—	—	—	—	15.8	391.3
2032	—	—	—	—	—	—	—	—	—	13.9	405.2
2033	—	—	—	—	—	—	—	—	—	12.2	417.4
2034	—	—	—	—	—	—	—	—	—	10.8	428.2
2035	—	—	—	—	—	—	—	—	—	9.5	437.7
2036	—	—	—	—	—	—	—	—	—	8.3	446.0
2037	—	—	—	—	—	—	—	—	—	7.3	453.3
2038	—	—	—	—	—	—	—	—	—	6.7	460.0
2039	—	—	—	—	—	—	—	—	—	—	—
—	6	5	—	2	68	34	—	35	1	460.0	—

Table III-3

Summary of Basic Exploration Development, Production, and Transportation Assumptions for All Alternatives¹

Phase Activity/Event	Sale 186	Sale 195	Sale 202
	Timeframe and Assumed Number	Timeframe and Assumed Number	Timeframe and Assumed Number
Exploration			
Well Drilling	2004-2010	2007-2014	2010-2018
Exploration Rigs	1-2	1-2	1
Exploration Wells	6	6	6
Delineation Wells	6	6	5
Drilling Discharges			
Drilling Muds (short tons, dry)	1,040	1,040	935
Cuttings (short tons, dry)	6,300	6,300	5,775
Support Activities (Annual)			
Helicopter Flights ²	155	155	140
Supply-Boat Trips	0-14	0-14	0-7
Surface Transport ³	see footnote ³	see footnote ³	see footnote ³
Shallow-Hazards Site Surveys			
Blocks Surveyed	6	6	6
Total Area Covered ⁴ (mi ²)	54	54	54
Development And Production			
Platforms Installed	2009-2014	2012-2017	2018-2019
—	3	3	2
Production and Injection Service Wells	2009-2016	2012-2019	2018-2022
—	102	102	102
Number of Fields	3	2	1
Oil Production	2010-2033	2013-2036	2019-2038
Total (MMbbl)	460	460	460
Peak Yearly (MMbbl)	2016	2018	2020-2024
—	43.8	39.4	38.6
Monthly Support Activities			
Helicopter Flights: Construction ⁵	300-600	300-600	600
Helicopter Flights: Development	28-56	28-56	56
Helicopter Flights: Production	12-28	12-28	28
Supply-Boat Trips	see Footnote ⁶	see Footnote ⁶	see Footnote ⁶
Surface Transport ⁷			
Construction Phase	12,000	6,000	N/A
Operation Phase	30-60	25-30	N/A
Drilling Discharges			
Drilling Muds (short tons, dry)	13,300	13,300	13,300
Cuttings (short tons, dry)	84,000	84,000	84,000
Shallow-Hazard Surveys⁸			
Total Area Covered (mi ²)	105	105	70
Transportation			
Oil Pipeline Installation	2008-2014	2012-2016	2018
Offshore Length (miles)	40	40	35
Onshore Length (miles)	—	—	85 ⁹
Tanker Transport			
Peak Years of Production	2016	2018	2020-2024
Number of Loadings ¹⁰	63	56	55
Oil Spills	See Table IV.A-5		

Most of the information in this table may be found in Appendix B of this EIS.

¹The figures presented in this table forecast activities beginning and ending in discrete time periods. This is done for the purpose of a consistent and methodical and based on a situational average. ² Helicopter trips are expressed in an annual average. ³ Surface transport estimates vary according to the location of the exploration platform. Even if the exploration platform is located in the landfast-ice zone, surface transport volumes by ice road to the drill site will be less than half on the volumes forecast for a postfind construction phase. During the operations phase, vehicle trips could decline 100-200 per season. ⁴An OCS block is 8.9 mi². ⁵Helicopter support trips will decline sharply after the construction phase; however, Far Zone structures will consistently require greater levels of air support. ⁶Marine support traffic for the construction phase will vary from 150-200 per open-water season for each nearshore platform to as many as 250 for structures beyond the landfast-ice zone. Vessel traffic will decline into the production phase, with 4-6 trips per season for nearshore platforms. ⁷Based on a 90 day ice-road season. Estimates for Sale 195 are based on one platform in landfast ice zone. The platform assumed for Sale 202 will be beyond the landfast-ice zone. ⁸The MMS's site-clearance seismic-survey requirements specify a minimum of 35 mi² (92 km²) for a block-wide survey. Three days would be required for a 54 mi² site-clearance survey and 7 days for a 105 mi² survey. ⁹The portrayed mileage is a rough estimate of a pipeline route from Smith Bay to the Kuparuk mainline. Should the pipeline landfall occur at Point Thomson, it would connect at the Badami field 12 miles distance.

¹⁰Assuming 100,000 deadweight-ton tankers. Please note that all vessel trips inherently round trips. In reality, these periods may blend with and overlap each other. Estimates made in this table are speculative.

Table III-4. Projected number of State of Alaska and OCS seismic surveys in the Beaufort and Chukchi seas between 2006 and 2010.

Year	2D/3D Seismic Surveys		High-resolution, Site-clearance Surveys		State Water Surveys 2D/3D Seismic Surveys ³	
	Beaufort ¹ Sea	Chukchi ² Sea	Beaufort Sea	Chukchi Sea	Beaufort Sea	Chukchi Sea
2006	4	4	3	0	1	0
2007	3	4	2	0	0	0
2008	3	4	2	0	1	0
2009	2	3	2	1	0	0
2010	2	3	2	1	1	0

Source: USDOl, MMS, 2006a

1. Survey is likely to be a streamer type, but ocean-bottom-cable surveys also could occur.
2. Because of deeper water, surveys are more likely to be all streamer type.
3. No high-resolution site-clearance surveys are predicted to occur.

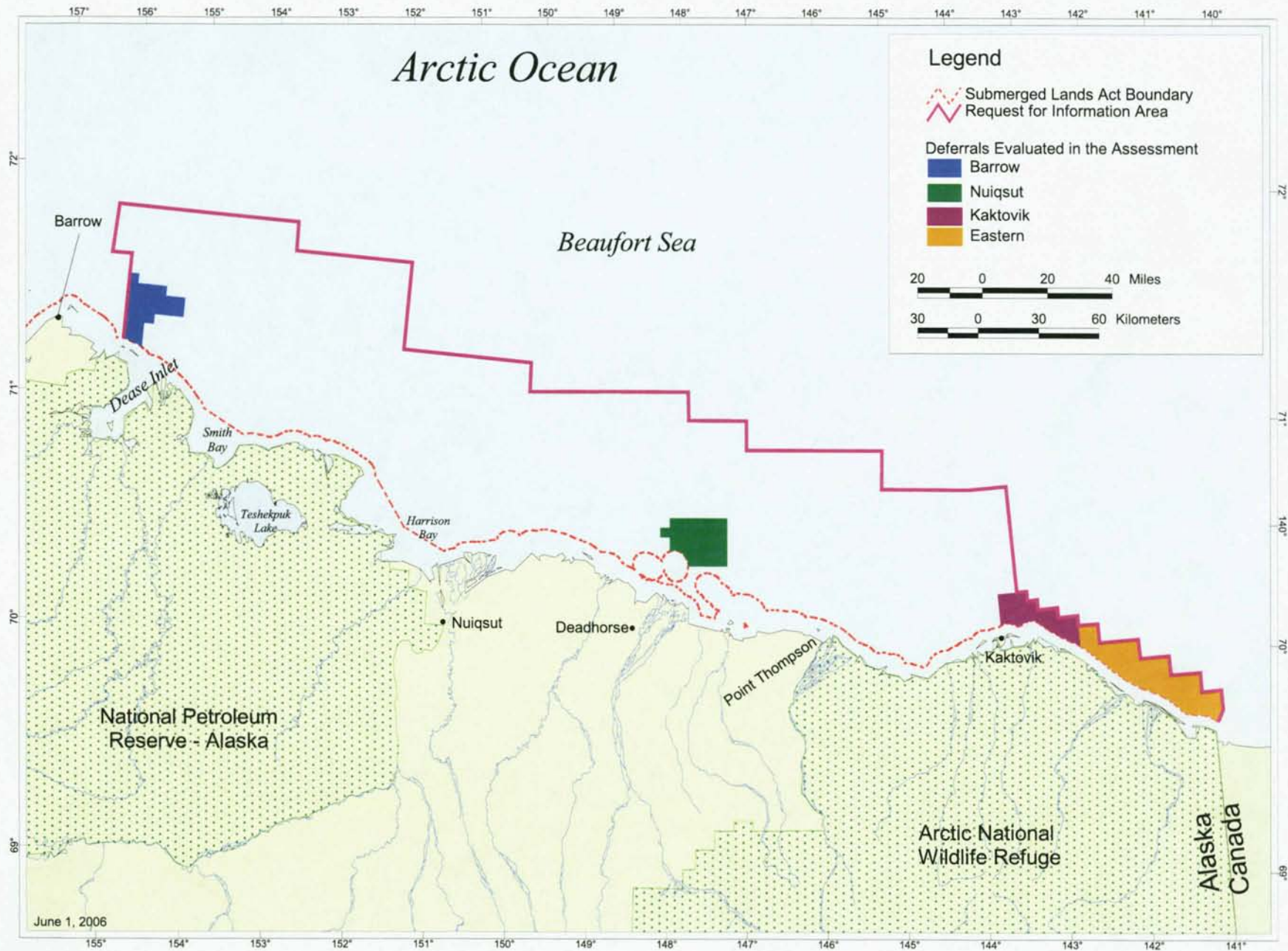
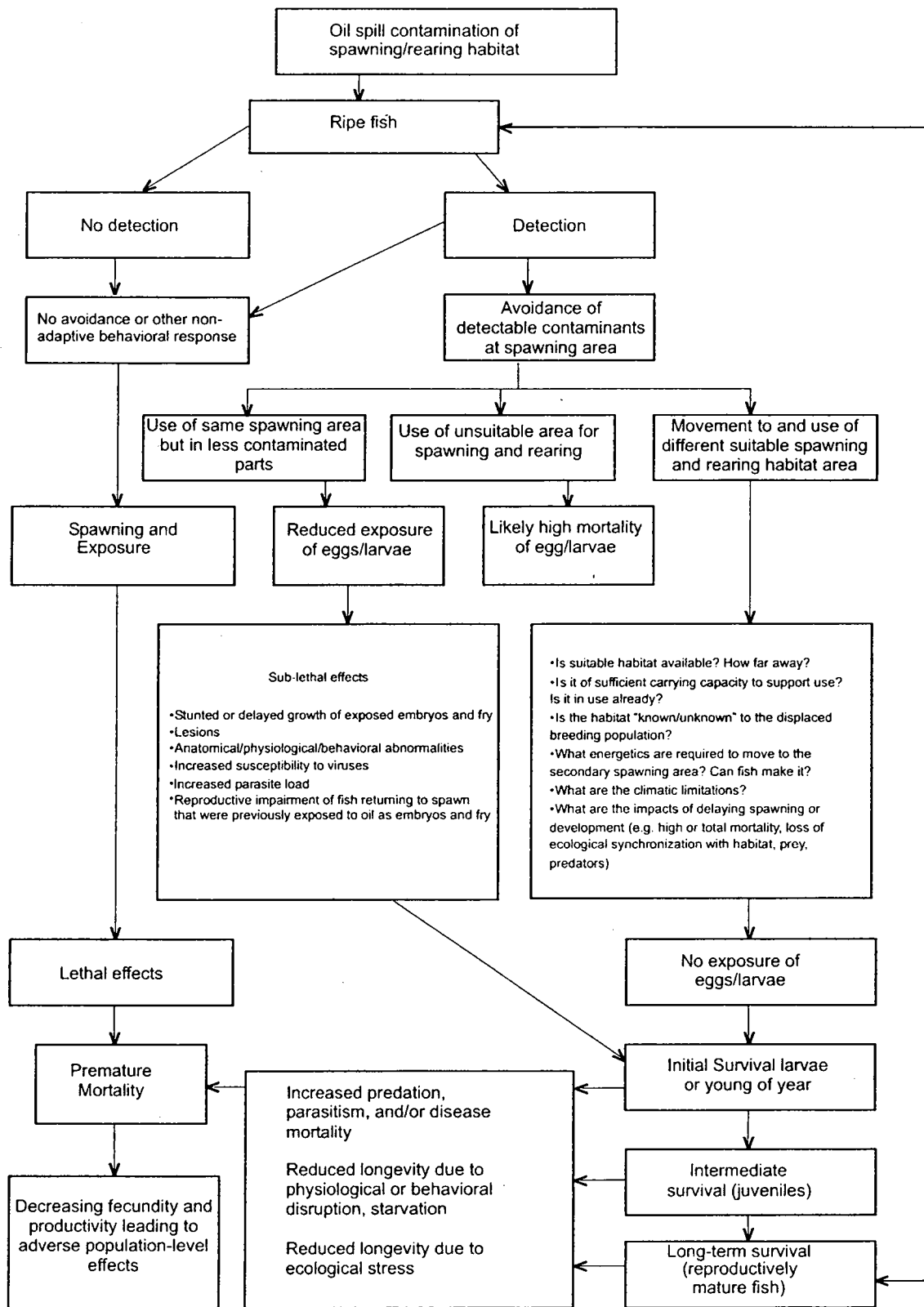


Figure 1. Proposed Action and Alternatives, Proposed Sale 202, March 2007.



Source: USDO, MMS

Figure 2. Oil Spill Impacts Model for Selected Fishes using Nearshore/Intertidal Substrates as Spawning and/or Rearing Habitats (e.g., pink or chum salmon, Pacific herring, capelin).

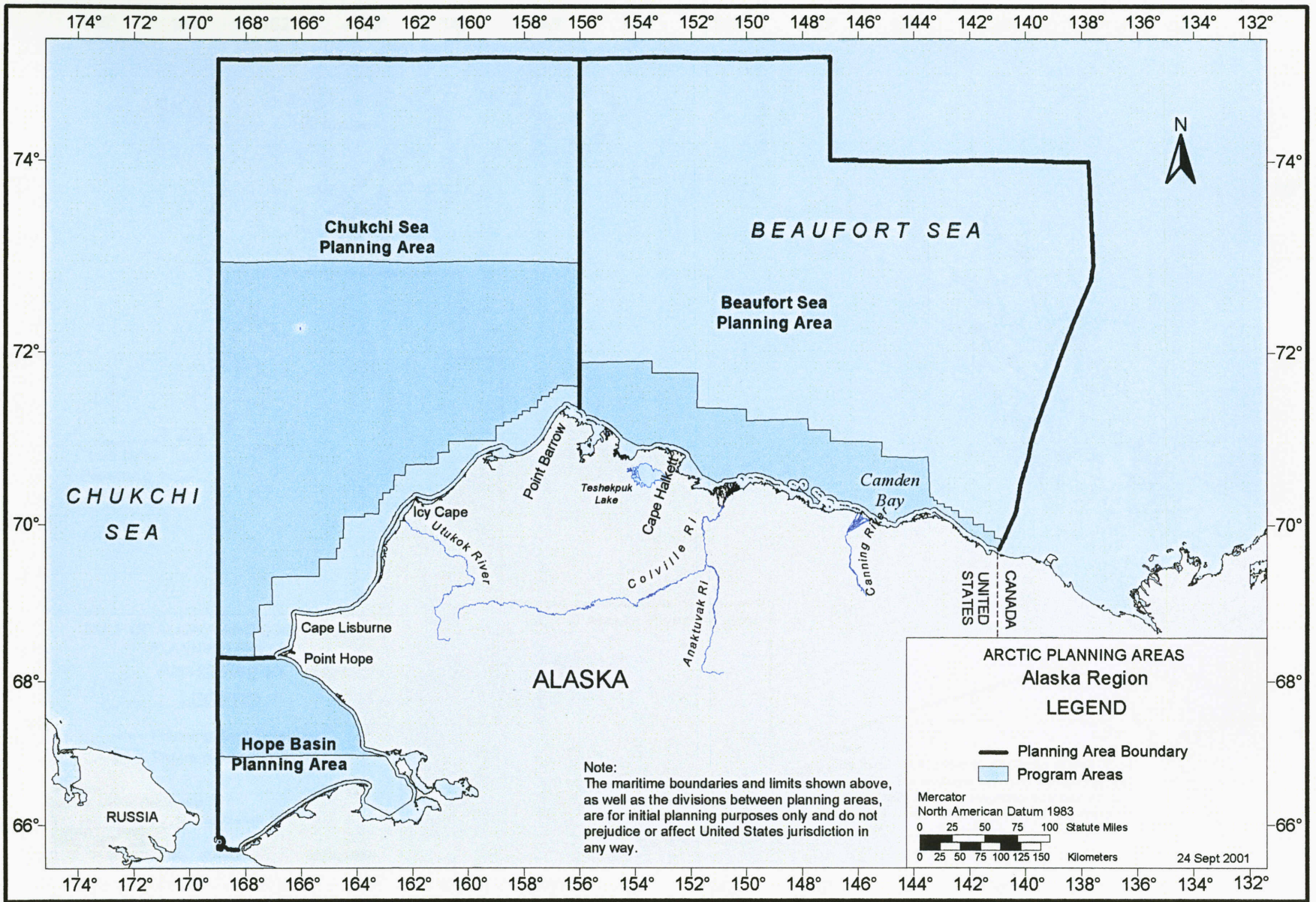


Figure 2-3. Beaufort Sea, Chukchi Sea, and Hope Basin Planning Areas - Alaska Region