

**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 Alternatives<sup>1</sup>

Phase Activity/Event	Sale 186	Sale 195	Sale 202
	Timeframe and Assumed Number	Timeframe and Assumed Number	Timeframe and Assumed Number
<b>Exploration</b>			
<b>Well Drilling</b>	<b>2004-2010</b>	<b>2007-2014</b>	<b>2010-2018</b>
Exploration Rigs	1-2	1-2	1
Exploration Wells	6	6	6
Delineation Wells	6	6	5
<b>Drilling Discharges</b>			
Drilling Muds (short tons, dry)	1,040	1,040	935
Cuttings (short tons, dry)	6,300	6,300	5,775
<b>Support Activities (Annual)</b>			
Helicopter Flights <sup>2</sup>	155	155	140
Supply-Boat Trips	0-14	0-14	0-7
Surface Transport <sup>3</sup>	see footnote <sup>3</sup>	see footnote <sup>3</sup>	see footnote <sup>3</sup>
<b>Shallow-Hazards Site Surveys</b>			
Blocks Surveyed	6	6	6
Total Area Covered <sup>4</sup> (mi <sup>2</sup> )	54	54	54
<b>Development And Production</b>			
<b>Platforms Installed</b>	<b>2009-2014</b>	<b>2012-2017</b>	<b>2018-2019</b>
—	3	3	2
<b>Production and Injection Service Wells</b>	<b>2009-2016</b>	<b>2012-2019</b>	<b>2018-2022</b>
—	102	102	102
<b>Number of Fields</b>	<b>3</b>	<b>2</b>	<b>1</b>
<b>Oil Production</b>	<b>2010-2033</b>	<b>2013-2036</b>	<b>2019-2038</b>
<b>Total (MMbbl)</b>	<b>460</b>	<b>460</b>	<b>460</b>
<b>Peak Yearly (MMbbl)</b>	<b>2016</b>	<b>2018</b>	<b>2020-2024</b>
—	43.8	39.4	38.6
<b>Monthly Support Activities</b>			
Helicopter Flights: Construction <sup>5</sup>	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 <sup>6</sup>	see Footnote <sup>6</sup>	see Footnote <sup>6</sup>
Surface Transport <sup>7</sup>			
Construction Phase	12,000	6,000	N/A
Operation Phase	30-60	25-30	N/A
<b>Drilling Discharges</b>			
Drilling Muds (short tons, dry)	13,300	13,300	13,300
Cuttings (short tons, dry)	84,000	84,000	84,000
<b>Shallow-Hazard Surveys<sup>8</sup></b>			
Total Area Covered (mi <sup>2</sup> )	105	105	70
<b>Transportation</b>			
<b>Oil Pipeline Installation</b>	<b>2008-2014</b>	<b>2012-2016</b>	<b>2018</b>
Offshore Length (miles)	40	40	35
Onshore Length (miles)	—	—	85 <sup>9</sup>
<b>Tanker Transport</b>			
Peak Years of Production	2016	2018	2020-2024
Number of Loadings <sup>10</sup>	63	56	55
<b>Oil Spills</b>	<b>See Table IV.A-5</b>		

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

<sup>1</sup>The 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. <sup>2</sup> Helicopter trips are expressed in an annual average. <sup>3</sup> 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. <sup>4</sup>An OCS block is 8.9 mi<sup>2</sup>. <sup>5</sup>Helicopter support trips will decline sharply after the construction phase; however, Far Zone structures will consistently require greater levels of air support. <sup>6</sup>Marine 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. <sup>7</sup>Based 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. <sup>8</sup>The MMS's site-clearance seismic-survey requirements specify a minimum of 35 mi<sup>2</sup> (92 km<sup>2</sup>) for a block-wide survey. Three days would be required for a 54 mi<sup>2</sup> site-clearance survey and 7 days for a 105 mi<sup>2</sup> survey. <sup>9</sup>The 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.

<sup>10</sup>Assuming 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 <sup>3</sup>	
	Beaufort <sup>1</sup> Sea	Chukchi <sup>2</sup> Sea	Beaufort Sea	Chukchi Sea	Beaufort Sea	Chukchi Sea
<b>2006</b>	4	4	3	0	1	0
<b>2007</b>	3	4	2	0	0	0
<b>2008</b>	3	4	2	0	1	0
<b>2009</b>	2	3	2	1	0	0
<b>2010</b>	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.

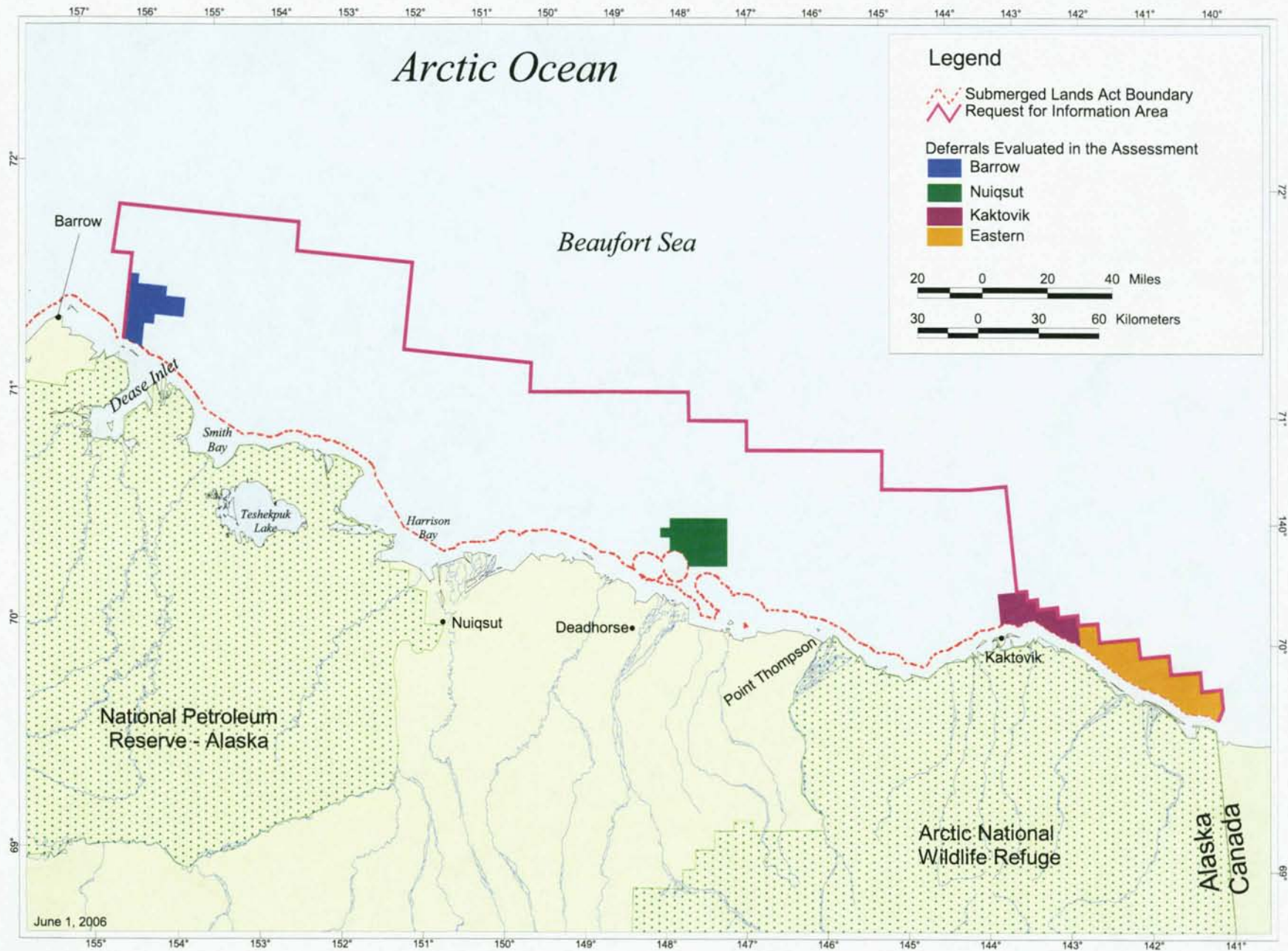
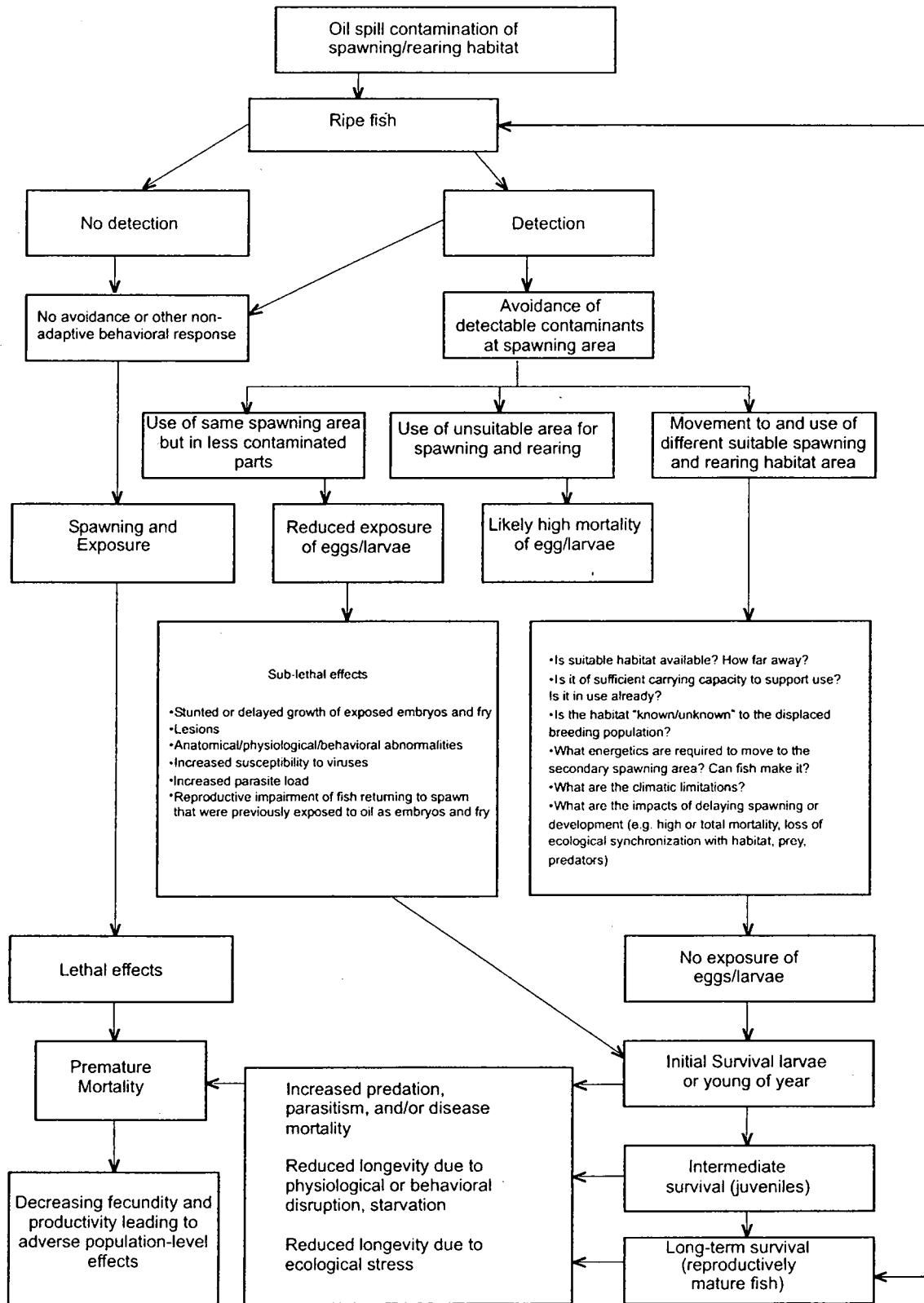


Figure 1. Proposed Action and Alternatives, Proposed Sale 202, March 2007.



Source: USDOJ, 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).

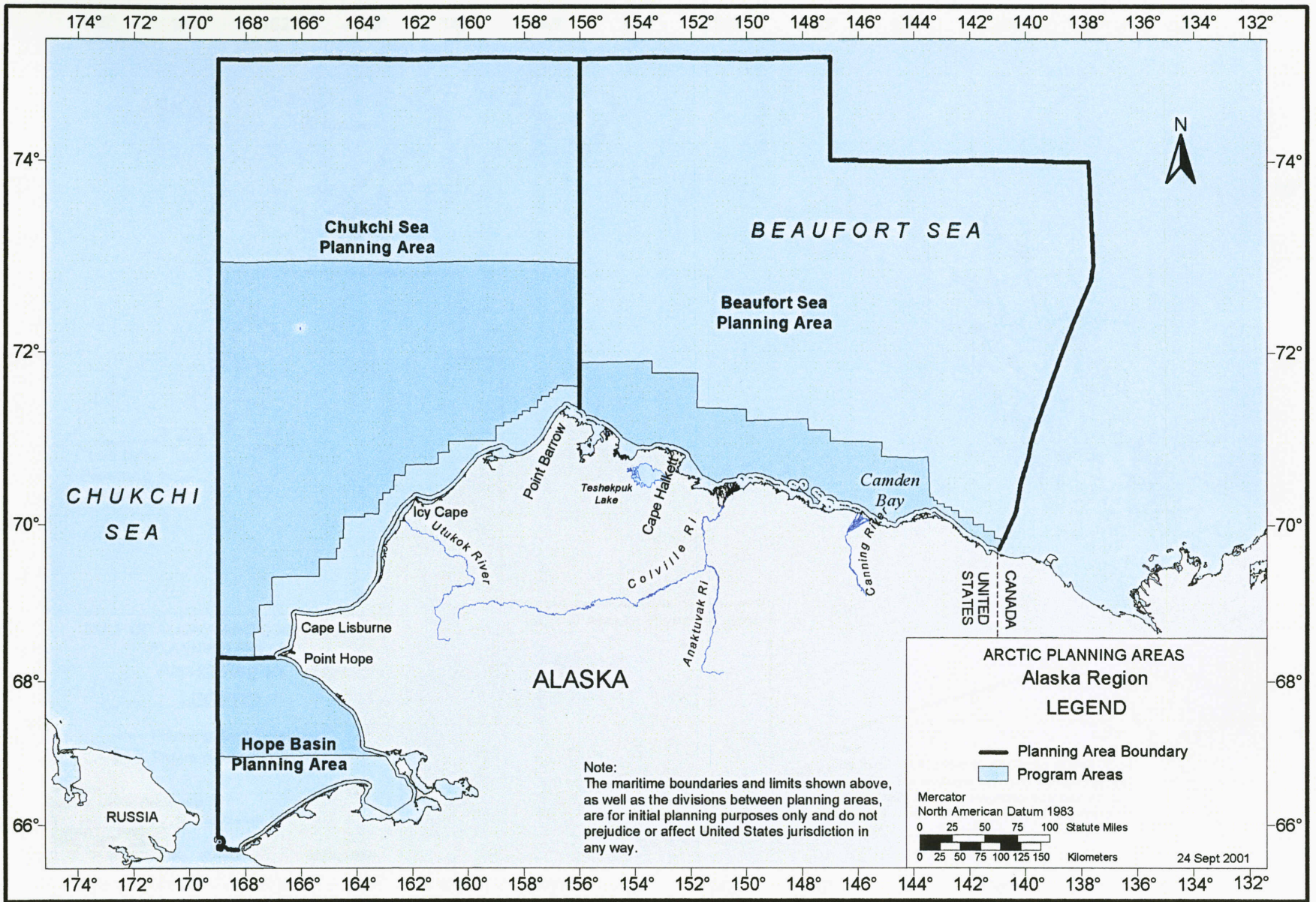


Figure 2-3. Beaufort Sea, Chukchi Sea, and Hope Basin Planning Areas - Alaska Region