

**Appendix A**  
**Weather Conditions at Prudhoe Bay, Alaska**

	<b>Average High Temperature</b>	<b>Average Low Temperature</b>	<b>Mean Temperature</b>	<b>Average Precipitation</b>	<b>Record High Temperature (Year)</b>	<b>Record Low Temperature (Year)</b>
<b>January</b>	- 11°F	- 23°F	- 17°F	0.15 in.	35°F (1991)	- 62°F (1989)
<b>February</b>	- 13°F	- 26°F	- 20°F	0.13 in.	39°F (1989)	- 57°F (1987)
<b>March</b>	- 7°F	- 22°F	- 15°F	0.14 in.	34°F (1998)	- 54°F (1995)
<b>April</b>	7°F	- 8°F	- 1°F	0.10 in.	43°F (1988)	- 47°F (1986)
<b>May</b>	27°F	16°F	22°F	0.08 in.	55°F (1996)	- 19°F (1992)
<b>June</b>	44°F	31°F	37°F	0.37 in.	83°F (1991)	18°F (1997)
<b>July</b>	54°F	37°F	46°F	0.72 in.	82°F (1994)	28°F (1996)
<b>August</b>	51°F	36°F	44°F	0.95 in.	80°F (1994)	23°F (1996)
<b>September</b>	38°F	28°F	33°F	0.65 in.	67°F (1986)	1°F (1996)
<b>October</b>	21°F	10°F	15°F	0.40 in.	45°F (1991)	- 30°F (1996)
<b>November</b>	2°F	- 10°F	- 4°F	0.14 in.	39°F (1997)	- 45°F (1986)
<b>December</b>	- 7°F	- 19°F	- 13°F	0.19 in.	34°F (1998)	- 47°F (1990)
<b>Total</b>				4.02 in.		

Source: <http://www.weather.com/weather/wxclimatology/monthly/USAK0197>

**Appendix B**  
**Location of U.S. Geological Survey Arctic Provinces**  
**Based on the Maps Shown in the USGS Arctic Assessment**

<b>USGS Petroleum Province Name</b>	<b>Countries Located Nearest To USGS Petroleum Province</b>	<b>Onshore/Offshore</b>
West Siberian Basin	Russia	Onshore and Offshore
Arctic Alaska	United States	Onshore and Offshore
East Barents Basin	Norway, Russia	Offshore
East Greenland Rift Basins	Greenland (Denmark)	Mostly Offshore
Yenisey-Khatanga Basin	Russia	Onshore
Amerasia Basin	Canada, United States	Offshore
West Greenland-East Canada	Canada, Greenland (Denmark)	Offshore
Laptev Sea Shelf	Russia	Mostly Offshore
Norwegian Margin	Norway	Offshore
Barents Platform	Norway	Offshore
Eurasia Basin	Norway, Russia	Offshore
North Kara Basins and Platforms	Russia	Offshore
Timan-Pechora Basin	Russia	Mostly Onshore
North Greenland Sheared Margin	Greenland (Denmark)	Offshore
Lomonosov-Makarov	Canada, Greenland (Denmark), Russia	Offshore
Sverdrup Basin	Canada	Onshore and Offshore
Lena-Anabar Basin	Russia	Onshore
North Chukchi-Wrangell Foreland Basin	Russia, United States	Offshore
Vilkitskii Basin	Russia	Offshore
Northwest Laptev Sea Shelf	Russia	Offshore
Lena-Vilyui Basin	Russia	Onshore
Zyryanka Basin	Russia	Onshore
East Siberian Sea Basin	Russia	Offshore
Hope Basin	Russia, United States	Offshore
Northwest Canadian Interior Basins	Canada	Onshore

Note: The designation of the closest country or countries does not imply territorial or economic sovereignty by these countries over the petroleum province associated with them. Source: Op.cit. USGS, "Circum-Arctic Resource Appraisal: Estimates of Undiscovered Oil and Gas North of the Arctic Circle"

**Appendix C**  
**Shell Oil Offshore North Alaska Lease Purchases**

<b>MMS Lease Sale Number</b>	<b>Date of MMS Lease Sale</b>	<b>Offshore Region</b>	<b>Value of Winning Bids (million dollars)</b>
195	March 30, 2005	Beaufort Sea	\$44.4
202	April 18, 2007	Beaufort Sea	\$39.3
193	February 7, 2008	Chukchi Sea	\$2,117.8
<b>Total Bonus Bids</b>			<b>\$2,201.5</b>

Source: U.S. Minerals Management Alaska leasing website at <http://www.mms.gov/ld/AKsales.htm>