

**TABLE 8-11  
IMPACTS OF A POTENTIAL OIL SPILL AND OIL SPILL RESPONSE ON THE HUMAN ENVIRONMENT**

Resources Affected	Frequency	Duration: Construction	Duration: Operation	Scope	Direct Impacts	Indirect Impacts
Subsistence	Rare	N/A	Unknown	Barrow, Nuiqsut, and Kaktovik hunting and fishing areas contacted by an oil spill.	<p>Minor - An onshore oil spill could reduce subsistence harvesting in hunting and fishing areas near the project area.</p> <p>Significant - An offshore oil spill and spill response activities could cause partial or complete suspension of subsistence harvesting due to destruction of habitat or displacement of marine mammals, fish, and waterfowl.</p>	<p>Minor – Localized disturbance from icebreaking barge activities during broken/thin ice conditions may occur even though an oil spill has not.</p> <p>Significant - Reduced or discontinued use of subsistence resources for years after a spill due to fears of resource contamination. Any effect on the bowhead whale population or reduction in hunting success could be reflected in reduced IWC harvest quotas for bowheads.</p>
Cultural and Archaeological Resources	Rare	N/A	Unknown	Any of the identified sites or unknown cultural resources in the area that are contacted by oil (Figure 8-4).	Significant - Irreparable damage to historic artifacts and interference with radiocarbon dating tests from contact with spilled oil.	Significant - Onshore spill response activities could damage integrity of coastal and onshore sites.
Land and Water Use	Rare	N/A	Unknown	Marine waters, shorelines, or tundra contacted by oil - up to hundreds of miles from the release site (Figure 8-4).	Negligible – Change in land use due to disturbance or damage to tundra, vegetation, or surface water bodies as a result of contamination.	Negligible – Restricted access to areas for other activities during spill response and cleanup mobilization during the summer.
Socioeconomics	Rare	N/A	Unknown	State of Alaska, NSB, Anchorage, Fairbanks.	Significant - Loss of revenues and increased costs; sudden increase in high wage paying jobs and subsequent inflation due to hiring of local labor for cleanup operations; reduced access to community services due to a rapid expansion of workforce needed for cleanup operations.	None anticipated.

**TABLE 8-11 (Cont.)  
IMPACTS OF A POTENTIAL OIL SPILL AND OIL SPILL RESPONSE ON THE HUMAN ENVIRONMENT**

<b>Resources Affected</b>	<b>Frequency</b>	<b>Duration: Construction</b>	<b>Duration: Operation</b>	<b>Scope</b>	<b>Direct Impacts</b>	<b>Indirect Impacts</b>
Transportation	Rare	N/A	Unknown	Dalton Highway and Anchorage, Fairbanks, and Deadhorse Airports.	Minor - Focused commitment of transportation resources during the initial phase of spill response efforts, which would taper as efforts stabilized.	None anticipated.
Visual/Aesthetics Characteristics	Rare	N/A	Unknown	Areas contacted by oil (Figures 8-4 and 8-5).	Negligible (Winter) - Reduction of quality of visual resources if spill occurred when viewer sensitivity would be low due to darkness and reduced level of outdoor activities; impacts would include staining of shoreline and presence of oil on the water.  Minor (Summer) - Degradation of quality of visual resources if spill occurred when subsistence or recreational activities were ongoing (viewer sensitivity would be high); impacts would include staining of shoreline and tundra, plus presence of oil on the water.	None anticipated.
Recreation	Rare	N/A	Unknown	N/A	None anticipated	Negligible – Reduced enjoyment of recreational activities due to increased vehicle traffic along the Dalton Highway.

Notes: IWC = International Whaling Commission  
 N/A = Not applicable  
 NSB = North Slope Borough