**Ecosystem Type: ICE AND SNOW**

**Category: Recreation, Culture, and Aesthetics**

1. **Materials**

***Supplier*** – Humans have been interacting with arctic ecosystems for hundreds of years. Cultures that are associated with these ecosystems have varied over the years as climate change has transformed the ice and snow landscape (Barry et al., 1977).

***Driver*** – not applicable

***Demander*** – not applicable

1. **Nutrition**

***Supplier*** – not applicable

***Driver*** -not applicable

***Demander*** - not applicable

1. **Energy**

***Supplier*** – not applicable

***Driver*** – not applicable

***Demander*** - not applicable

1. **Mediation of Waste, Toxics, and Other Nuisances**

***Supplier*** – not applicable

***Driver*** – not applicable

***Demander*** – not applicable

1. **Mediation of Flows**

***Supplier*** – not applicable

***Driver*** – not applicable

***Demander*** – not applicable

1. **Maintenance of Physical, Chemical, and Biological Indicators**

***Supplier*** – not applicable

***Driver*** – not applicable

***Demander*** – not applicable

1. **Spiritual, Symbolic, Religious, and Social Experiences**

***Supplier*** – not applicable

***Driver*** –not applicable

***Demander*** – not applicable

1. **Physical and Intellectual Interactions w/ Biota, Ecosystems, and Land/Seascapes**

***Supplier*** – not applicable

***Driver*** – not applicable

***Demander*** - not applicable

**Sources:**

Barry, R.G. et al. (1977) Environmental Change and Cultural Change in the Eastern Canadian Arctic During the Last 5000 Years. *Arctic and Alpine Research, 9*(2), 193-210. DOI: 10.2307/1550581. [abstract only]