

Appendix 3: Content analysis codebook.

Sub-codes that have their own sub-codes are noted in italic typeface, and the definition provides details on points of distinction for further granularity

Code and total code frequency	Sub-code	Definition
Struggling cash economy	Lack of wage employment	Concerns raised regarding wage employment opportunities.
	Single-resource economy	Heavy reliance on a single industrial sector for revenue, lack of development leading to unsustainable economies
High cost of living	-----	Energy, housing, transportation costs due to isolated geographic location
Risks to Culture	-----	Eroding traditions and loss of Alaska Native languages
Ineffective decision making	Divided local interests	Disagreements among local entities, and governments
	Inclusion	Inclusion of local communities in higher-level decision-making
	<i>Regulation</i>	Regulatory issues such as effectiveness, or transparency of, policies concerning for example (i) subsistence, (ii) tribal sovereignty.
	Cross-cultural issues	Misunderstanding of local needs by outside decision makers
Risks from industrial development	Industrial accidents	Problems from negative externalities of industrial development; Industrial disaster as risk to sustainability
	Offshore	Offshore oil development as a potential risk to sustainability
	Increased marine traffic	Risks from increased marine traffic, dated regulations not up-to-date with opening of routes
Education issues	-----	Issues with the quality of the local school system, such as high turnover or lack of local teachers.
Environmental issues	Climate change impacts	Respondent specifically mentions climate change impacts as a community concern.
	Erosion, permafrost thaw - without explicit reference to climate change	Permafrost thaw, erosion and other land cover changes, but without explicit reference to climate change as the risk source.
Community health and health system issues	General	Unspecified concern for community health
	Services	Concern over access to, and quality of, care; the portfolio of services available such as health education, preventative services, behavioral health, long-term care; and whether said services are culturally appropriate
	Substance abuse	Concern over rates of substance abuse in communities
	Suicide	Concern over suicide rates in communities
Risks to subsistence	-----	Concern about the health of subsistence economy: access to resources, transmission of traditional knowledge
Demographic changes	-----	Concern over aspects of in- or outmigration impacting the cultural pillars of communities