

Appendix 2. Papers included in the literature review

Author	Title	Year	Cluster
Alessa L., Kliskey A., Williams P., Barton M.	Perception of change in freshwater in remote resource-dependent Arctic communities	2008	Red
Altschuler B., Brownlee M.	Perceptions of climate change on the island of Providencia	2015	Green
Andrachuk M., Armitage D.	Understanding social-ecological change and transformation through community perceptions of system identity	2015	Blue
Apgar M.J., Allen W., Moore K., Ataria J.	Understanding adaptation and transformation through indigenous practice: The case of the Guna of Panama	2015	Blue
Aswani S., Lauer M.	Indigenous people's detection of rapid ecological change	2014	Blue
Beaudreau A.H., Levin P.S.	Advancing the use of local ecological knowledge for assessing data-poor species in coastal ecosystems	2014	Blue
Berkes F., Jolly D.	Adapting to climate change: Social-ecological resilience in a Canadian western arctic community	2002	Red
Boillat S., Berkes F.	Perception and interpretation of climate change among quechua farmers of bolivia: Indigenous knowledge as a resource for adaptive capacity	2013	Green
Boissière M., Locatelli B., Sheil D., Padmanaba M., Sadjudin E.	Local perceptions of climate variability and change in tropical forests of Papua, Indonesia	2013	Grey
Boll V.M.	Following Garkman, the frog, in north eastern Arnhem Land (Australia)	2006	Green
Brännlund I., Axelsson P.	Reindeer management during the colonization of Sami lands: A long-term perspective of vulnerability and adaptation strategies	2011	Blue
Bruegger R.A., Jigjsuren O., Fernández-Giménez M.E.	Herder observations of rangeland change in Mongolia: Indicators, causes, and application to community-based management	2014	Grey
Byg A., Salick J.	Local perspectives on a global phenomenon-Climate change in Eastern Tibetan villages	2009	Grey
Carothers C., Brown C., Moerlein K.J., Andrés López J., Andersen D.B., Retherford B.	Measuring perceptions of climate change in Northern Alaska: Pairing Ethnography with cultural consensus analysis	2014	Red
Carter B.T.G., Nielsen E.A.	Exploring ecological changes in Cook Inlet beluga whale habitat through traditional and local ecological knowledge of contributing factors for population decline	2011	Red
Chalmers N., Fabricius C.	Expert and generalist local knowledge about land-cover change on South Africa's Wild Coast: Can local ecological knowledge add value to science?	2007	Grey
Chaudhary P., Bawa K.S.	Local perceptions of climate change validated by scientific evidence in the Himalayas	2011	Grey
Chaudhary P., Rai S., Wangdi S., Mao A., Rehman N., Chettri S., Bawa K.S.	Consistency of local perceptions of climate change in the Kangchenjunga Himalaya landscape	2011	Grey
Clark D.A., Slocombe S.	Adaptive Co-Management and Grizzly Bear-Human Conflicts in Two Northern Canadian Aboriginal Communities	2011	Red
Codjoe S.N.A., Owusu G., Burkett V.	Perception, experience, and indigenous knowledge of climate change and variability: The case of Accra, a sub-Saharan African city	2014	Green

Crate S.A., Fedorov A.N.	A methodological model for exchanging local and scientific climate change knowledge in northeastern Siberia	2013	Red
de Almeida G.M.A., Ramos M.A., Araújo E.L., Baldauf C., Albuquerque U.P.	Human perceptions of landscape change: The case of a monodominant forest of <i>Attalea speciosa</i> Mart ex. Spreng (Northeast Brazil)	2016	Grey
Dinero S.C.	Indigenous perspectives of climate change and its effects upon subsistence activities in the Arctic: The case of the Nets'aai Gwich'in	2013	Red
Dowsley M., Wenzel G.	"The time of the most polar bears": A co-management conflict in Nunavut	2008	Red
Eisner W.R., Cuomo C.J., Hinkel K.M., Jones B.M., Brower Sr. R.H.	Advancing landscape change research through the Incorporation of Iñupiaq knowledge	2009	Red
Fernández-Giménez M.E., Fillat F.	Pyrenean pastoralists' observations of environmental change: An exploratory study in los Valles Occidentales of Aragón	2012	Grey
Fernández-Llamazares Á., Díaz-Reviriego I., Guèze M., Cabeza M., Pyhälä A., Reyes-García V.	Local perceptions as a guide for the sustainable management of natural resources: Empirical evidence from a small-scale society in Bolivian Amazonia	2016	Green
Fernández-Llamazares Á., Díaz-Reviriego I., Luz A.C., Cabeza M., Pyhälä A., Reyes-García V.	Rapid ecosystem change challenges the adaptive capacity of local environmental knowledge	2015	Green
Ford J.D., Smit B., Wandel J.	Vulnerability to climate change in the Arctic: A case study from Arctic Bay, Canada	2006	Red
Frans V.F., Augé A.A.	Use of local ecological knowledge to investigate endangered baleen whale recovery in the Falkland Islands	2016	Blue
Giglio V.J., Luiz O.J., Gerhardinger L.C.	Depletion of marine megafauna and shifting baselines among artisanal fishers in eastern Brazil	2015	Blue
Gill H., Lantz T.	A community-based approach to mapping Gwich'in observations of environmental changes in the lower peel river watershed, NT	2014	Red
Golden D.M., Audet C., Smith M.A.	"Blue-ice": framing climate change and reframing climate change adaptation from the indigenous peoples' perspective in the northern boreal forest of Ontario, Canada	2015	Red
Gómez-Baggethun E., Reyes-García V., Olsson P., Montes C.	Traditional ecological knowledge and community resilience to environmental extremes: A case study in Doñana, SW Spain	2012	Green
Hallwass G., Lopes P.F., Juras A.A., Silvano R.A.M.	Fishers' knowledge identifies environmental changes and fish abundance trends in impounded tropical rivers	2013	Blue
Hansen W.D., Brinkman T.J., Leonawicz M., Chapin III F.S., Kofinas G.P.	Changing daily wind speeds on Alaska's North Slope: Implications for rural hunting opportunities	2013	Red
Herman-Mercer N.M., Matkin E., Laituri M.J., Toohey R.C., Massey M., Elder K., Schuster P.F., Mutter E.A.	Changing times, changing stories: Generational differences in climate change perspectives from four remote indigenous communities in Subarctic Alaska	2016	Red
Homann S., Rischkowsky B., Steinbach J., Kirk M., Mathias E.	Towards endogenous livestock development: Borana pastoralists' responses to environmental and institutional changes	2008	Grey
Hopping K.A., Yangzong C., Klein J.A.	Local knowledge production, transmission, and the importance of village leaders in a network of Tibetan pastoralists coping with environmental change	2016	Green
Huntington H.P., Quakenbush L.T., Nelson M.	Effects of changing sea ice on marine mammals and subsistence hunters in northern Alaska from traditional knowledge interviews	2016	Red
Jandreau C., Berkes F.	Continuity and change within the social-ecological and political landscape of the Maasai Mara, Kenya	2016	Green

Janif S.Z., Nunn P.D., Geraghty P., Aalbersberg W., Thomas F.R., Camail-akeba M.	Value of traditional oral narratives in building climate-change resilience: Insights from rural communities in Fiji	2016	Green
Kakinuma K., Ozaki T., Takatsuki S., Chuluun J.	How Pastoralists in Mongolia perceive vegetation changes caused by grazing	2008	Grey
Kassam K.-A.	Viewing change through the prism of indigenous human ecology: Findings from the afghan and Tajik pamirs	2009	Green
Kendrick A., Lyver P.O'B.	Denésqliné (Chipewyan) knowledge of barren-ground caribou (<i>Rangifer tarandus groenlandicus</i>) movements	2005	Red
Kgosikoma O., Mojere-mane W., Harvie B.A.	Pastoralists' perception and ecological knowledge on savanna ecosystem dynamics in semi-arid Botswana	2012	Grey
Klein J.A., Hopping K.A., Yeh E.T., Nyima Y., Boone R.B., Galvin K.A.	Unexpected climate impacts on the Tibetan Plateau: LOCAL and scientific knowledge in findings of delayed summer	2014	Green
Kokelj S.V., Lantz T.C., Solomon S., Pisaric M.F.J., Keith D., Morse P., Thienpont J.R., Smol J.P., Esagok D.	Using multiple sources of knowledge to investigate northern environmental change: Regional ecological impacts of a storm surge in the outer Mackenzie Delta, N.W.T.	2012	Red
Lauer M., Aswani S.	Indigenous knowledge and long-term ecological change: Detection, interpretation, and responses to changing ecological conditions in pacific island communities	2010	Blue
Leonard S., Parsons M., Olawsky K., Kofod F.	The role of culture and traditional knowledge in climate change adaptation: Insights from East Kimberley, Australia	2013	Green
Levine A., Sauafea-Le'Au F.	Traditional knowledge, use, and management of living marine resources in american samoa: Documenting changes over time through interviews with elder fishers	2013	Blue
Lyver P.O.B., Taputu T.M., Kutia S.T., Tahī B.	Tūhoe Tuawhenua mātauranga of kererū (<i>Hemiphaga novaseelandiae novaseelandiae</i>) in Te Urewera	2008	Green
Mallory M.L., Gilchrist H.G., Braune B.M., Gaston A.J.	Marine birds as indicators of arctic marine ecosystem health: Linking the Northern Ecosystem Initiative to long-term studies	2006	Red
Marin A.	Riders under storms: Contributions of nomadic herders' observations to analysing climate change in Mongolia	2010	Grey
McCarthy D.D.P., Whitelaw G.S., Anderson S., Cowan D., McGarry F., Robins A., Gardner H.L., Barbeau C.D., Charania N.A., General Z., Liedtke J., Sutherland C., Alencar P., Tsuji L.J.S.	Collaborative geomatics and the Mushkegowuk Cree First Nations: Fostering adaptive capacity for community-based sub-arctic natural resource management	2012	Red
McDowell J.Z., Hess J.J.	Assessing adaptation: Multiple stressors on livelihoods in the Bolivian highlands under a changing climate	2012	Green
McIntyre-Tamwoy S., Fuary M., Buhrich A.	Understanding climate, adapting to change: Indigenous cultural values and climate change impacts in North Queensland	2013	Green
McNamara K.E., Westoby R.	Local knowledge and climate change adaptation on erub Island, torres strait	2011	Green
Moshy V.H., Bryceson I.	Seeing Through Fishers' Lenses: Exploring Marine Ecological Changes Within Mafia Island Marine Park, Tanzania	2016	Blue
Muchagata M., Brown K.	Colonist farmers' perceptions of fertility and the frontier environment in eastern Amazonia	2000	Grey
Nichols T., Berkes F., Jolly D., Snow N.B.	Climate change and sea ice: Local observations from the Canadian western Arctic	2004	Red
Oteros-Rozas E., Ontillera-Sánchez R., Sanosa P., Gómez-Baggethun E., Reyes-García V., González J.A.	Traditional ecological knowledge among transhumant pastoralists in Mediterranean Spain	2013	Green

Oviedo A.F.P., Mitraud S., McGrath D.G., Bursztyn M.	Implementing climate variability at the community level in the Amazon floodplain	2016	Grey
Palframan A.	"In common nature": an ethnography of climate adaptation in the Lesotho Highlands	2015	Green
Paré S., Savadogo P., Tigabu M., Ouadba J.M., Odén P.C.	Consumptive values and local perception of dry forest decline in Burkina Faso, West Africa	2010	Grey
Parlee B., Manseau M.	Using traditional knowledge to adapt to ecological change: Denésq̓liné monitoring of caribou movements	2005	Red
Parlee B.L., Geertsema K., Willier A.	Social-ecological thresholds in a changing boreal landscape: Insights from cree knowledge of the Lesser Slave Lake region of Alberta, Canada	2012	Red
Reedy D., Savo V., McClatchey W.	Traditional Climatic Knowledge: Orchardists' perceptions of and adaptation to climate change in the Campania region (Southern Italy)	2014	Grey
Roba H.G., Oba G.	Integration of herder knowledge and ecological methods for land degradation assessment around sedentary settlements in a sub-humid zone in northern Kenya	2008	Grey
Rodenburg J., Both J., Heitkönig I.M.A., van Koppen C.S.A., Sinsin B., van Mele P., Kiepe P.	Land Use and Biodiversity in Unprotected Landscapes: The Case of Noncultivated Plant Use and Management by Rural Communities in Benin and Togo	2012	Grey
Shackeroff J.M., Campbell L.M., Crowder L.B.	Social-ecological guilds: Putting people into marine historical ecology	2011	Blue
Shava S., Krasny M.E., Tidball K.G., Zazu C.	Agricultural knowledge in urban and resettled communities: Applications to social-ecological resilience and environmental education	2010	Green
Taylor R.B., Morrison M.A., Shears N.T.	Establishing baselines for recovery in a marine reserve (Poor Knights Islands, New Zealand) using local ecological knowledge	2011	Blue
Turner N.J., Clifton H.	"It's so different today": Climate change and indigenous lifeways in British Columbia, Canada	2009	Green
Venkatachalam A.J., Price A.R.G., Chandrasekara S., Senaratna Sellamuttu S., Kaler J.	Changes in frigate tuna populations on the south coast of Sri Lanka: Evidence of the shifting baseline syndrome from analysis of fisher observations	2010	Blue
Vogt N., Pinedo-Vasquez M., Brondizio E.S., Rabelo F.G., Fernandes K., Almeida O., Riveiro S., Deadman P.J., Dou Y.	Local ecological knowledge and incremental adaptation to changing flood patterns in the Amazon delta	2016	Grey
Voorhees H., Sparks R., Huntington H.P., Rode K.D.	Traditional knowledge about polar bears (<i>Ursus maritimus</i>) in northwestern Alaska	2014	Red
Weatherhead E., Gearheard S., Barry R.G.	Changes in weather persistence: Insight from Inuit knowledge	2010	Red
Wilson N.J., Todd Walter M., Waterhouse J.	Indigenous knowledge of hydrologic change in the Yukon river basin: A case study of Ruby, Alaska	2015	Red
Wolfe B.B., Armitage D., Wesche S., Brock B.E., Sokal M.A., Clogg-Wright K.P., Mongeon C.L., Adam M.E., Hall R.I., Edwards T.W.D.	From isotopes to TK interviews: Towards interdisciplinary research in Fort Resolution and the Slave River Delta, Northwest Territories	2007	Red
Ziembicki M.R., Woinarski J.C.Z., Mackey B.	Evaluating the status of species using Indigenous knowledge: Novel evidence for major native mammal declines in northern Australia	2013	Green