A Review of Aircraft-Subsistence Harvester Conflict in Arctic Alaska

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APPENDIX 1

TABLE S1. Results from a systematic search of Google Scholar for literature on aircraft disturbance to humans and wildlife.

Category	Subject	Arctic?	Author	Date	Study species/Topic
Ecology					
Peer-reviewed	Birds	Arctic	Derksen and Ward	1993	Branta bernicla nigricans
			Goudie	2006	Histrionicus histrionicus
			Goudie and Jones	2004	Histrionicus histrionicus
			Mallory	2016	Ground-nesting marine species
			Meixell and Flint	2017	Anser albifrons
			Miller	1994	Branta bernicla nigricans
			Ward et al.	1987	Branta bernicla nigricans and other geese
			Ward et al.	1999	Branta bernicla nigricans and Branta canadensis
		Non Aratia			
		Non-Arctic	Brown	1990	Sterna bergii
			Burger	1981a	Colonial waterbirds
			Burger	1981b	Larus agentatus
			Conomy et al.	1998	Anas spp.
			Delaney et al.1	1999	Strix occidentalis lucida
			Ellis et al. ¹	1991	Raptors
			Henson and Grant ¹	1991	Cygnus buccinator
			Hillman et al.	2015	Colonial waterbirds
			Nordmeyer and Roby	1999	Falco peregrinus
			Palmer et al.	2003	Falco peregrinus
	Marine	Arctic	Amstrup	1993	Ursus maritimus
			Born et al. ¹	1999	Phoca hispida
			Frost et al. ¹	1993	Delphinapterus leucas and Phoca largha
			Patenaude et al.	2002	Delphinapterus leucas and Balaena mysticetus
			Richardson et al. ¹	1985	Balaena mysticetus
		Non Aratia			Cetaceans
		Non-Arctic	Nowacek et al.	2007	
	** 1 .	A	Richardson and Würsig	1997	Cetaceans
	Ungulates	Arctic	Fullman et al.	2017	Rangifer tarandus
			Harrington and Veitch	1991	Rangifer tarandus
			Luick et al.	1996	Rangifer tarandus
			Maier et al.	1998	Rangifer tarandus
			Reimers and Coleman	2006	Rangifer tarandus
			Wolfe et al.	2000	Rangifer tarandus
		Non-Arctic	Krausman et al.	1996	Odocoileus hemionus and Ovis canadensis
			Krausman et al.	1998	Ovis canadensis
			Krausman et al.	2004	Antilocapra americana sonoriensis
			Landon et al.	2003	Antilocapra americana
			Tracey and Fleming	2007	Capra hircus
			Weisenberger et al.	1996	Odocoileus hemionus and Ovis canadensis
	Other	Non-Arctic	Bleich et al.	1994	Ovis canadensis
	Other	Non-Arctic			
			Bowles and Francine	1993	Vulpes marotis
			Goldstein et al.	2005	Oreamnos americanus
			Smith and Van Daele	1990	Ursus arctos
			Wilker and Barnes	1998	Ursus arctos
	Review	Arctic	Klein	1972	Mammals
			Weeden and Klein	1971	General wildlife and oil development
		Non-Arctic	Frid and Dill ¹	2002	Behavioral responses, general wildlife
			Stankowich ¹	2008	Ungulates
Ecology	Birds	Arctic	Murphy et al.	2001	Falco peregrinus
Gray literature			Thomas	1999	Pandion haliaetus
Gray incrature			Ward et al.	1990	Branta bernicla nigricans
		Non-Arctic	Dubovsky et al.	1996	Anas rubripes
		11011 1110110	Komenda-Zehnder et al.	2003	Waterbirds (Swiss lowlands)
			Roby et al.	2003	Falco peregrinus
			Ward and Stehn	1989	
					Branta bernicla nigricans and other geese
			Ward et al.	ß	Branta bernicla nigricans and Branta canadensis

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TABLE S1. Results from a systematic search of Google Scholar for literature on aircraft disturbance to humans and wildlife -continued:

Category	Subject	Arctic?	Author	Date	Study species/Topic
Ecology	Marine	Arctic	Cowles and Imm	1988	Marine mammals
Gray literature			Hutchinson and Ferrero ¹	2011	Marine mammals
continued:			Johnson et al.	1990	Pinnipeds (Bering Sea)
			Richardson et al.	1990	Delphinapterus leucas and Balaena mysticetus
			Wilson and Evans ¹	2009	Odobenus rosmarus
		Non-Arctic	Blevins	2015	Delphinapterus leucas
			Castellote et al.	2016	Delphinapterus leucas
			Moore	2016	Eschrichtius robustus
	Ungulates	Arctic Non-Arctic	Murphy et al.	1993	Rangifer tarandus
			Brown et al.	2012	Cervus elaphus and Antilocapra americana
	0.1	NT A	Magoun et al.	2003	Rangifer tarandus (Fortymile herd)
	Other	Non-Arctic Arctic	Bowles et al.	1999	Gopherus agassizii
			Holeman	2013	Impact analysis, wildlife
			Le Roux	2010 2005	Chalinolobus tuberculatus Impact analysis
			Moore et al. Douglass et al.	1980	Mammals
	Review	Aictic	Truett and Johnson	2000	General wildlife and oil development
		Non-Arctic	Bowles ¹	1995	General wildlife
		Non-Arctic	Bromley	1982	Impacts and wildlife
			Gladwin et al.	1988	General wildlife
			Kull and Fisher ¹	1986	General wildlife
			Kull and McGarrity	2003	General wildlife
			Larkin et al.	1996	General wildlife
			Manci et al. ¹	1988	General wildlife and domestic animals
			Radle	2007	General wildlife
Social Science	Psychology	Non-Arctic	Babisch et al.	2009	Annoyance
Peer-reviewed	- 0)8)		Becker et al.	1995	Cognitive performance
			Benfield et al.	2010	Perceptions of nature
			Berckmans et al.	2008	Perceived sound quality and annoyance
			Broadbent and Robinson	1964	Annoyance
			Bullinger et al.	1999	Child psychology
			Clark and Stansfeld	2007	General health and cognition
			Clark et al.	2006	Child psychology
			Cohen and Weinstein	1981	General behavior and health
			Cohen et al.	1980	Child psychology
			Crook and Langdon	1974	Child psychology
			Elmenhorst et al.	2012	Sleep and cognitive performance
			Evans and Maxwell	1997	Child psychology
			Evans et al.	1998	Child psychology
			Fidell et al.	2011	Annoyance
			Fields and Walker	1982	Annoyance
			Finegold et al.	1994	Annoyance and sleep
			Haines et al.	2001a	Child psychology and health
			Hygge et al.	2002	Child psychology
			Kryter	1982	Annoyance
			Lim et al.	2008	Annoyance
			Lim et al. Mace et al.	2007 1999	Annoyance Perceptions of nature
			Mace et al.	2004	Perceptions of nature Perceptions of nature
			Miedema	2004	Annovance
			Miedema and Oudshoorn	2007	Annoyance
			Moran and Loeb	1977	Annoyance
			Pendergrast	2005	Perceptions of nature
			Ouehl and Basner	2006	Annoyance
			Rylander et al.	1972	Annoyance
			Rylander et al.	1980	Annoyance
			Shepherd et al.	2010	Annoyance
			Smith and Stansfeld	1986	Cognitive performance
			Tarnopolsky et al.	1978	Mental health
			Tarrant et al.	1995	Perceptions of nature
			Taylor	1984	Annoyance
			van Kamp et al.	2004	Annoyance
			van Kempen et al.	2009	Annoyance, children
	Health	Non-Arctic	Babisch and Van Kamp	2009	Hypertension risk
			Basner et al.	2006	Sleep
			Basner et al.	2010	Sleep
			Basner et al.	2014	General health
			Bronzaft et al.	1998	General health
			Franssen et al.	2004	General health
			Manssen et al.	2007	General nearth
			Haines et al.	2001b	Child health

TABLE S1. Results from a systematic search of Google Scholar for literature on aircraft disturbance to humans and wildlife - continued:

Category	Subject	Arctic?	Author	Date	Study species/Topic
Social Science			Haralabidis et al.	2008	Blood pressure
Peer-reviewed			Ising and Kruppa	2004	General health
continued:			Knipschild et al.	1981	Birth weight
			LeVere et al.	1972	Sleep
			Lukas	1972	Sleep
			Meister and Donatelle	2000	General health
			Rosenberg	1991	General health
			Schmidt et al.	2013	Stress, human adults
			Stansfeld and Matheson	2003	General health
	Policy	Non-Arctic	Adams et al.	2006	Urban noise policy
			Kroesen and Bröer	2009	Annoyance
	Review	Non-Arctic	Berglund et al.	1990	Low-frequency noise
			Berglund et al.	1996	General health
			Finegold and Fidell	1990	General human impacts
			Finke et al.	1975	General human impacts
			Laszlo et al.	2012	Annoyance
			Morrell et al.	1997	General health
			Passchier-Vermeer and Passchier		General health
			Smith	1989	Cognitive performance
	Od	A	Stansfeld et al.	2000	Cognitive performance
	Other	Arctic	Ahtuangaruak	2015	Social justice
			Dana et al.	2009	Social justice
		Ni Ati-	Dressler et al.	2001	Natural Resource Management (NRM)
		Non-Arctic	Chasco and Le Gallo Coates	2013 2005	Economics History
			Lu and Morrell	2005	Economics
			Mato and Mufuruki	1999	Impact analysis
			Rehdanz and Maddison	2005	Happiness
Social Science	Psychology	Non-Arctic	Borsky	1977	Annoyance
Grey literature	1 Sychology	TVOII-ATCTIC	Lercher and Schulte-Fortkamp	2003	Annoyance
Grey incruture			Rochat et al.	2013	Impacts, natural soundscapes
	Health	Non-Arctic	Lee and Fleming	2002	General health
	11041111	11011 1110110	Winters et al.	2005	Hearing loss
	Policy	Non-Arctic	Budd et al.	2013	Aviation policy, scenario planning
	Review	Arctic	National Research Council	2014	Emerging research questions
			Osherenko and Young	2005	Geopolitical conflict
		Non-Arctic	Powell and Fields	1991	Health
			Stewart et al.	2011	Policy
			Vallet	1993	Health
	Other	Arctic	Georgette and Loon	1988	NRM, subsistence
			Georgette and Loon	1990	NRM, subsistence
			Halas ¹	2015	User conflict
			ICAS	2014	User conflict
		Non-Arctic	Monz	2005	Impact analysis
			van Praag and Baarsma	2001	Economics
Other	NRM	Non-Arctic	Dumyahn and Pijanowski	2011	Soundscapes
Peer-reviewed			Sheikh and Uhl	2004	NRM, Aircraft noise management
	Review	Non-Arctic	Hurtubise et al.	1977	Aircraft noise management and policy
	_		Pepper et al. ¹	2003	Impacts on humans and wildlife
Other Grey Literature	Impact Analysis	Arctic	Brown	1984	Environmental impacts
			Goodyear et al.	2012	Risk assessment, offshore development
		Non-Arctic	Bonsal	2016	Geospatial analysis of aircraft noise impacts
			Churchill and Holland	2003	Impacts on wildlife and mitigation practices
			Efroymson et al.	2001	Ecological risk assessment, low-flying aircraft

¹ Denotes a result that appeared in more than one search string.

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