

Arctic Goose Joint Venture



Photo credit: Ryan Askren, USGS



Photo credit: Brian Uher-Koch, USGS



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A Shared Vision

The Arctic Goose Joint Venture (AGJV) is a continent-wide partnership that unites federal, state/provincial, and non-government conservation organizations to improve our knowledge and management of North America's Arctic geese.

North America is home to millions of migratory arctic-nesting geese. These birds play an important role in our natural world and provide a variety of benefits and opportunities to citizens, generating millions of dollars in economic benefits each year.

Continued and improved monitoring and scientific understanding is required to properly manage this valuable resource.

Established by the North American Waterfowl Management Plan in 1986, the AGJV has been instrumental in gathering and communicating information regarding the status and science needs of North American geese and their habitats for over 30 years. The AGJV promotes the sharing of information, management strategies, and research findings across numerous entities in the U.S. and Canada that is vital to agencies for managing these resources effectively and for maintaining goose numbers at or near population goals.

Facilitates Science to Improve Management

- The AGJV facilitates research, monitoring, and communications for seven species and 24 populations of geese that breed in the Arctic and migrate throughout the continent. To date, the AGJV has provided funding to support 105 projects that have improved population estimates, determined drivers of population trends, and led to significant efficiencies in how populations are monitored and managed. For example, AGJV-facilitated science and publications led to unprecedented management strategies to address overabundant snow and Ross's geese.

Resilient urban and rural communities through hunting and outdoor traditions

AGJV-supported projects influence management practices that assist in maintaining healthy goose populations for subsistence and recreational harvest, as well as non-consumptive outdoor activities.

AGJV projects also involve students and local communities, particularly in the arctic communities. These activities not only stimulate economies and connect indigenous people and citizens to the outdoors but also garner public and business support for arctic goose conservation.

Conserving agricultural and wild lands

AGJV-supported science leads to improved landscapes and ecosystems by helping to develop and guide management actions that reduce goose impacts on private agricultural lands and natural landscapes. Improved hunting regulations also reduce impacts on private agricultural lands, and reduce the impact to sensitive Arctic habitats from over abundant goose populations.

A Cost Effective Approach to Research and Monitoring

Through broad partnerships, the AGJV has leveraged limited public funding for two main objectives, population monitoring and research, with less than two percent of AGJV funding per year spent on administrative overhead. Within these two objectives, the AGJV supports novel research, such as the use of advanced technologies to better monitor population movements and delineations, and annual monitoring efforts to ensure goose populations and harvest levels remain sustainable.

Every summer, 40,000 to 50,000 arctic- and subarctic-nesting geese are banded with unique aluminum leg bands, which is an essential activity for monitoring the survival rates of geese to ensure sustainable harvest.

Over the course of its history, the AGJV has leveraged:

- additional funding support from 109 organizations.
- *an additional 7 dollars for every dollar of federally appropriated funds.*



Photo credit: Josh Dooley, USFWS

In 2023, U.S. federally appropriated funding of \$435K to the AGJV leveraged an additional \$1.25M from other organizations, including \$420K from state agencies, and nearly \$700K from Canada:



Photo credit: Jeff Coats



Photo credit: Josh Dooley, USFWS

U.S. Federal	U.S. Fish and Wildlife Service		
	AGJV Appropriation (FY 2023)	435,000	
	Carry-Over Funds (FY 2022)	275,444	710,444
Other U.S. Federal	U.S. Fish and Wildlife Regional	46,380	
	U.S. Arctic National Wildlife Refuge	16,979	
	U.S. Bureau of Land Management	54,931	
	U.S. Geological Survey	32,900	151,190
	U.S. State	Central Flyway Council	145,000
	Mississippi Flyway Council	94,838	
	Atlantic Flyway Council	35,000	
	Pacific Flyway Council	20,000	
	Alaska Dept. of Fish & Game	66,965	
	Louisiana Dept. of Wildlife & Fisheries	10,000	
	New Jersey Div. of Fish & Wildlife	17,625	
	New York State Dept. of Environmental Conservation	17,000	
	Oregon Dept. of Fish & Wildlife	11,882	
	Washington Dept. of Fish & Wildlife	1,808	420,119
U.S. Universities	Colorado State University	100,677	
	University of Nebraska-Lincoln	600	101,277
U.S. NGOs	Ducks Unlimited Inc.		10,000
Canadian Federal	Environment and Climate Change Canada (Canadian Wildlife Service/Science & Technology)	299,892	
	Canada First Research Excellence Fund	11,893	
	Natural Resources Canada Polar Continental Shelf Project	179,512	
	Natural Sciences & Engineering Research Council	60,778	
	Polar Knowledge Canada	4,593	556,667
Canadian Provincial	Manitoba Natural Resources & Northern Development	73,148	
	Ontario Ministry of Natural Resources	44,444	117,593
Canadian Universities	University of Manitoba	3,704	
	University of Saskatchewan	3,333	7,037
Canadian NGOs	Niskamoon Corporation		16,767
Total 2023 (U.S. Dollars)			2,091,094

Goose Population Range Maps

Emperor



Snow and Ross's



Greater White-fronted



Brant



Cackling



Canada

