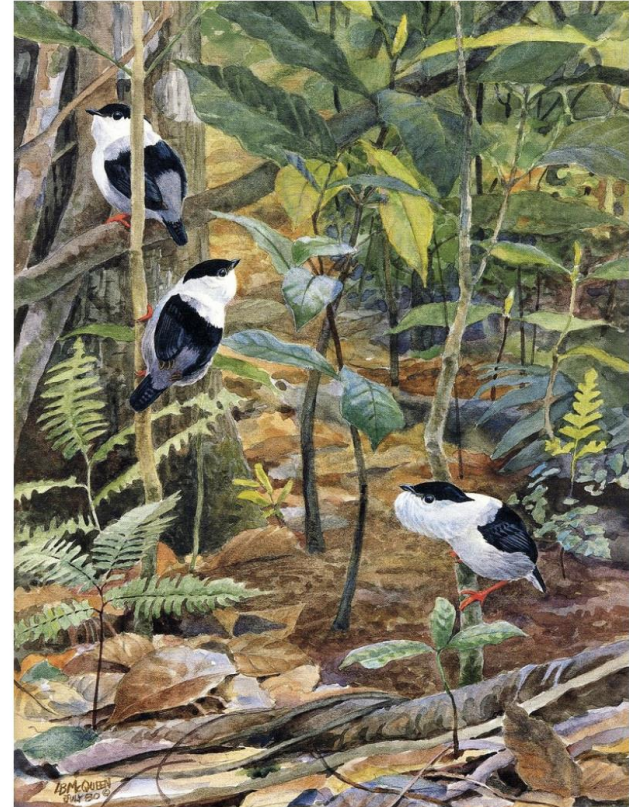


From the Tundra to Tierra del Fuego, ICFC helps local communities protect threatened wildlife, habitats, and migratory connectivity

ICFC project locations



The **International Conservation Fund of Canada (ICFC)** was founded in 2007. ICFC is Canada's leading charity for conserving nature in the tropics and other priority areas worldwide. Since 2007, ICFC has invested \$17,000,000 CA in its conservation work in 27 countries.



Why BIRDS!

- Birds have been intertwined within the story of humanity since our origin as a species.
- 10,000 species of birds are found on every terrestrial and aquatic habitat on Earth.



- Historically, birds have been both vital to our lives as an important natural resource and as daily companions.
- The infinite variety of birds pique our curiosity with their colorful plumage, musical voices, mastery of flight, and mysterious migratory arrivals and departures.

“The Canary in the Coal Mine...”



As miners once carried canaries into coal mines to detect dangerous gases...

The health and abundance of birds, generally, are indicators of the health of our planet that sustains our own survival.

Shorebirds are in Trouble

“A worldwide catastrophe is underway among an extraordinary group of birds — the marathon migrants we know as shorebirds. Numbers of some species are falling so quickly that many biologists fear an imminent planet-wide wave of extinctions.

-J. Fitzpatrick & N. Senner,
New York Times, April
2018



Opinion

**Shorebirds, the
World's Greatest
Travelers, Face
Extinction**

Canada's Endangered Migratory Birds

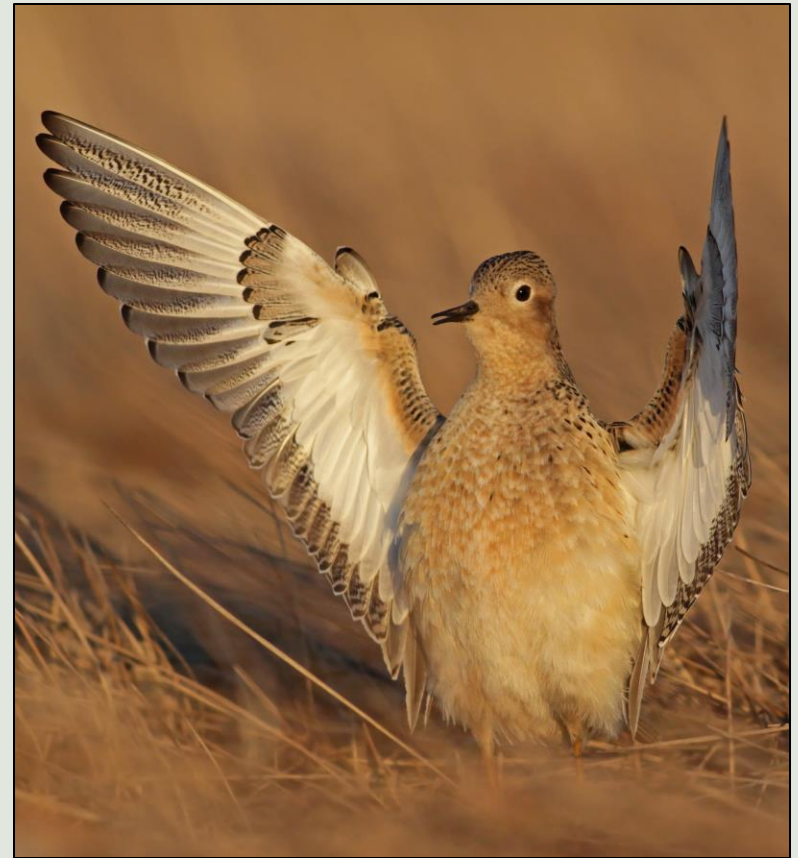


75% of Canada's 451 bird species migrate south of Canada. Of these, the longer distant migrants are suffering the steepest declines.

The State of Canada's Shorebirds

Of all birds in Canada, the data about shorebird populations are the most troubling.

- Arctic shorebird populations have more than halved, declining 60% since 1970
- 10 species are in severe decline; 4 are listed by the Species at Risk Act (SARA).



Buff-breasted Sandpiper

(c) Ian Davies

ICFC Shorebird Initiative

- Protect focal species at sites of global importance
- Purchase critically important reserve lands
- Increase guard levels at existing reserves
- Install protective signage and fencing where needed most
- Assist NGOs with experimental and best-practices to enhance habitat quality for target species
- Advocate for long-term agreements to protect new or potential reserves.

Western Hemisphere Shorebird Reserve Network

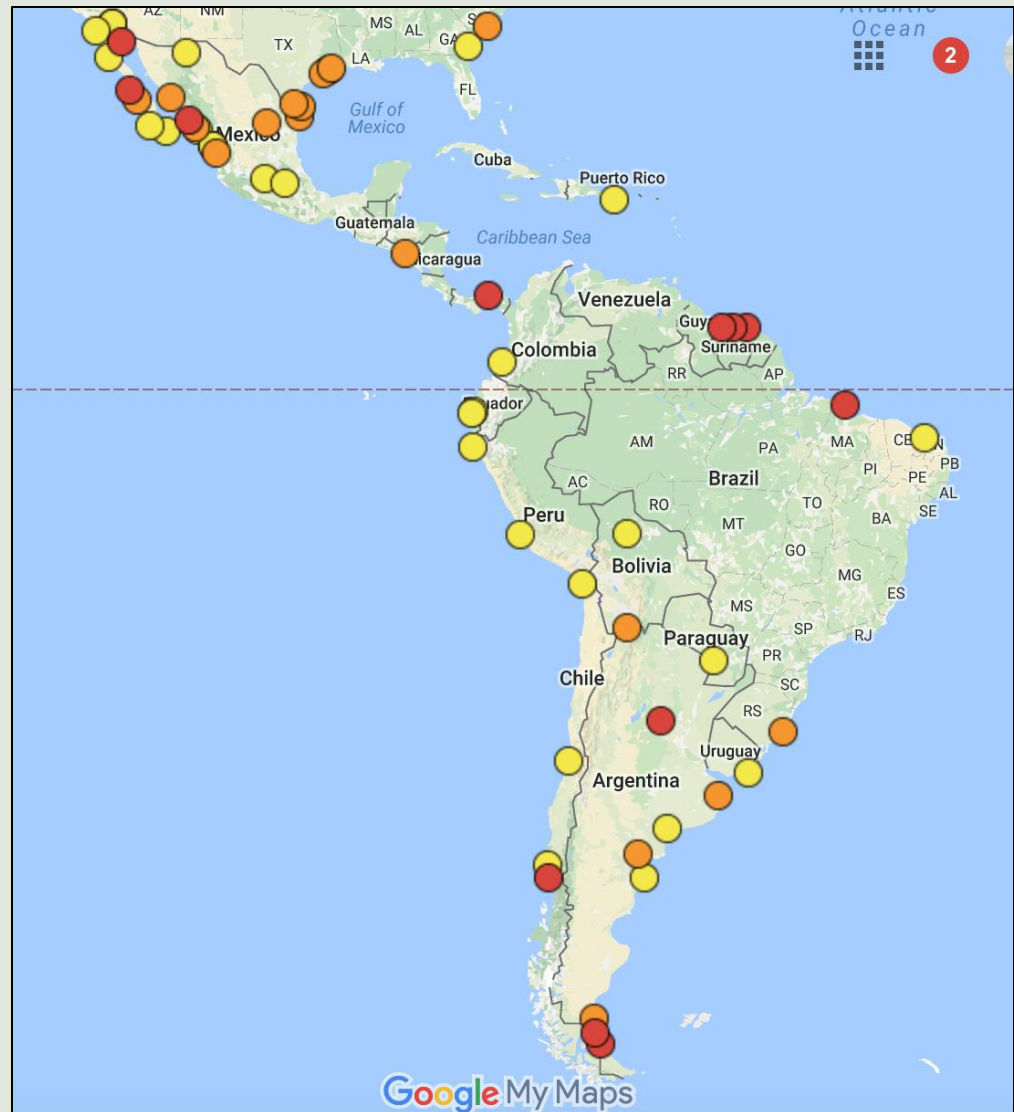
WHSRN Categories

Red- *Hemispheric*
500,000 or 30% of a
species population

Orange- *International*
100,000 or 10% of a
species population

Yellow- *Regional*
20,000 or 1% of a
species population

*Courtesy of Manomet Center for
Conservation Sciences*



Focal species: Red Knot



The Red Knot (*rufa*) is federally listed in Canada and the US as endangered and/or threatened.

Other Nearctic migratory shorebirds:



American Golden Plover



American Oystercatcher



Red Knot



Black-bellied Plover



Sanderling



Whimbrel



Lesser Yellowlegs



Baird's Sandpiper



Greater Yellowlegs



Hudsonian Godwit

Other resident shorebird species:



Magellanic Oystercatcher



Least Seedsnipe



Magellanic Plover



Rufous-chested Dotterel



Tawny-throated Dotterel



Two-banded Plover

Argentina: *Fundación Inalafquen*



Argentina: Bahía de San Antonio



Kite-surfing restrictions



Regular patrols by guards



Planning with office of the mayor



Fencing to restrict ATVs



Signs that prohibit threats



Onsite educational work

Argentina: *Asociación Ambiente Sur*



Protecting endangered shorebirds in Patagonia.

Chile: *Conservación Marina*



Left to right: Ivan Ponce, Claudio Delgado, Patricia Gonzalez, and Luis Espinosa.

Chile: Maullín Wetlands



Five new shorebird reserves established, eco-tourism infrastructure finished, and long-term protection underway with local and federal support.

Conservation actions at Maullín

- Public observation blinds to launch bird-oriented tourism.
- Electric fencing to protect nesting, roosting, and foraging areas from cattle and other animals.
- Patrolling sites with guards to address threats quickly, and often.
- Formulating site-specific management plans to ensure cooperative, long-term engagement with communities.



Bolivia: *Asociación Armonía*



Bolivia: Buff-breasted Sandpipers



Barba Azul Nature Reserve (11,000 ha) purchased to protect endangered macaws and threatened buff-breasted sandpipers. Experimental habitat management to attract more shorebirds is underway.

Bahamas: Wintering Piping Plovers



Areas targeted for our conservation work in the Bahamas support at least 8% of the global Piping Plover population.

Bahamas: Conservation actions



**CONSERVIAN BAHAMAS LIVE-ABOARD SCHOONER
MAY 2017 EXPEDITION: Shorebird Habitat Conservation**

**COME JOIN US FOR THE CARIBBEAN ADVENTURE
OF A LIFETIME!**

Conservian, BirdsCaribbean, and partners will continue on-the-ground protective & restorative measures to limit human-caused disturbance & control invasive Australian pine at key shorebird & seabird sites.

We need your help to protect beach-nesting birds, nests, and young. Conservian is seeking a weekly crew of 8-12 enthusiastic volunteers for our Bahamas shorebird habitat conservation project in April & May 2017 aboard our 75ft research schooner. Cost for the week is \$1,250. Includes bunk, onboard meals, water, & ground transportation associated with project. Crews will fly to the Bahamas each week to designated airports for shuttle transport to schooner. A valid passport is required. Airfare & insurance are not included.

Project Partners: BirdsCaribbean, Bahamas National Trust, International Conservation Fund of Canada, USFWS/NMBCA, LightHawk, Dow AgroSciences, Grand Bahama Nature Tours, Optics for the Tropics, Grand Bahama Port Authority, Bahamas Public Parks & Beaches Authority, Bahamas Environment, Science & Technology Commission, Rand Nature Center, Abaco Friends of the Environment, Treasure Cay Community Center, Royal Bahamas Police Force/Marine Support.



Protecting the Spoon-billed Sandpiper



With fewer than 250 pairs remaining, the Spoon-billed Sandpiper is one of the world's most endangered birds.

Bangladesh, Myanmar, and China



Sayam U. Chowdhury, Assistant Coordinator of the International Spoon-billed Sandpiper Task Force.



SBSTF partnership



Birds Russia

Wild Bird
Society of
Japan

Birds Korea

SBS In China
and Nanjing
Normal
University

Hong Kong
Bird Watching
Society

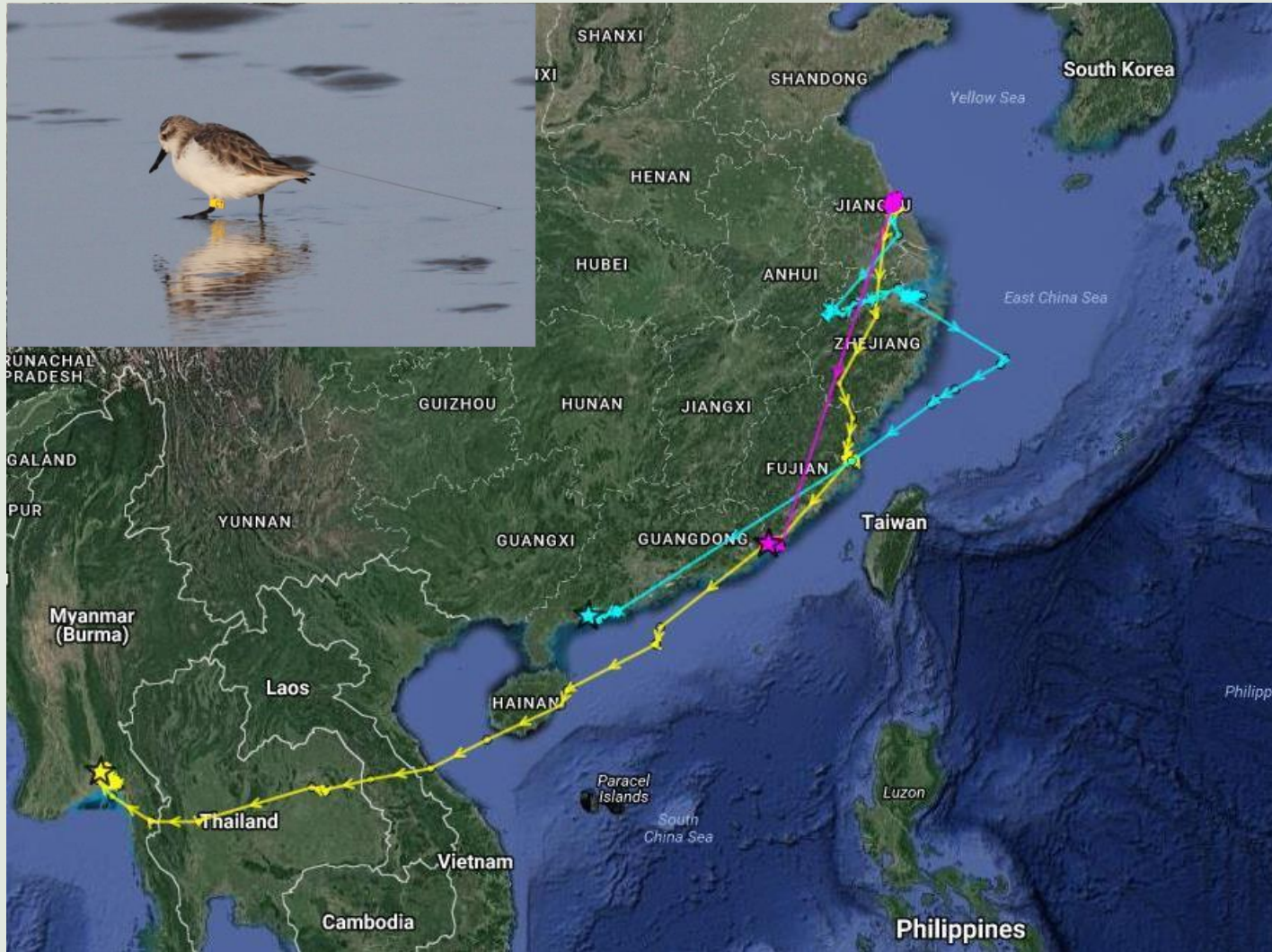
BirdLife International
in Indochina and
University of Saigon

Bird Conservation
Society of
Thailand

Bangladesh
Bird Club

Biodiversity
and Nature
Conservation
Association

Bombay
Natural
History
Society



Tracking “Spoonies” with the world’s smallest transmitters.

Threats: hunting on winter grounds



Hunting of shorebirds with foot snares and nets has severely impacted shorebird populations in Eastern Asia.

SBS: Conservation Actions




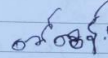
- Alternative livelihoods: improved fishing infrastructure, watermelon cultivation, grocery and tailoring (sewing machine) shops.
- Ex-hunters become guards and bird guides
- Village conservation groups monitor the activities of ex-hunters.

Alternative Livelihood Agreements work!

ကက်ပြုခြင်း
၁၉/၂/၂၀၁၁

ကျွန်တော် ဦးတင်ဆွန်း၊ ကုန်သွယ်ရေးနှင့်
နေအိမ်ရေး ဝန်ထမ်း ဦးတင်ဆွန်းနှင့် ငွေကြေး
ဆိုင်တော်ပါဟု ကက်ပြုပါသည်။ ကက်ပြုခြင်း
အတွက် ပုံနှိပ်စရိတ် (လျှပ်စစ်စရိတ်၊
ငါးဆောင်ရိတ်) လက်ခံရရှိပါသည်။

 ဦးတင်ဆွန်း
ဦးကျွန်း
၆/၁၇၁(နိုင်) ၀၁၇၀၀၁
ကုန်သွယ်ရေး

 ဦးတင်ဆွန်း
ကုန်သွယ်ရေး



“Journey of the Spoon-billed Sandpiper”



A video by Vivian Fu and hundreds of children from schools in 8 countries.



Schools in Russia, Japan, Korea, China, Vietnam, Thailand, Bangladesh, Myanmar.

So what is happening to the population?

- The population was declining at 26% per anum
- Now declining at less than 9% per anum
- So we have not solved the problem yet



Thank you for listening!



Questions? Please contact Scott@ICFCanada.org
www.ICFCanada.org