

Conservation of Bats in Mexico, USA, and Canada



XXI Meeting of the Canada/Mexico/U.S. Trilateral Committee
for Wildlife and Ecosystem Conservation and Management
Ottawa, Ontario – May 16-20, 2016

Charles Francis , Environment Canada
Jeremy Coleman, US Fish and Wildlife Service
Rodrigo Medellín, Instituto de Ecología, Mexico



Trilateral Committee:
Letter of Intent
April 2015

**LETTER OF INTENT RELATED TO EFFORTS TO PROMOTE
CONSERVATION OF BATS IN THE UNITED MEXICAN STATES,
THE UNITED STATES OF AMERICA, AND CANADA**

Two Main Areas of Coordination from the LOI

1) Bat Population Monitoring

- USA and Canada: North American Bat Monitoring Program (NABat)
- Mexico: Sistema Mexicano de Monitoreo Acústico (SIMMA)

2) North American Bat Conservation Alliance (NABCA)



North American Bat Conservation Alliance



Mission: To promote the conservation of bats in North America by facilitating collaboration, coordinating priorities, and elevating awareness, for the benefits of bats, people, and their ecosystems.

What is NABCA?

An informal alliance among federal, state, provincial, territorial, and local government agencies; regional bat working groups; non-government organizations; industry; individual scientists and biologists; and concerned members of the public interested in conservation of North America's bats.

Role: to facilitate coordination and communication among parties interested in bat conservation by soliciting, compiling, and sharing information relevant to bat conservation, and promoting cooperative activities.

NABCA Steering Committee

Co-chairs:

Charles M. Francis (Environment Canada)

Rodrigo A. Medellín (Instituto de Ecología, UNAM)

Jeremy T. H. Coleman (U.S. Fish & Wildlife Service)

Working Group representatives:

Rita Dixon (Western Bat Working Group)

Brian Carver (Southeastern Bat Diversity Network)

Vanessa Rojas (Midwest Bat Working Group)

D. Scott Reynolds (Northeast Bat Working Group)

Jorge Ortega (Program for the Conservation of Mexican Bats)

Jordi Segers (Canada's Inter-agency White-Nose Syndrome Committee)

At Large Members:

Angie McIntire (Arizona Game and Fish Department)

Jeff Gruver (WEST, Inc.)

Cori Lausen (Wildlife Conservation Society Canada)

Coordinator:

Rob Mies (Organization for Bat Conservation)



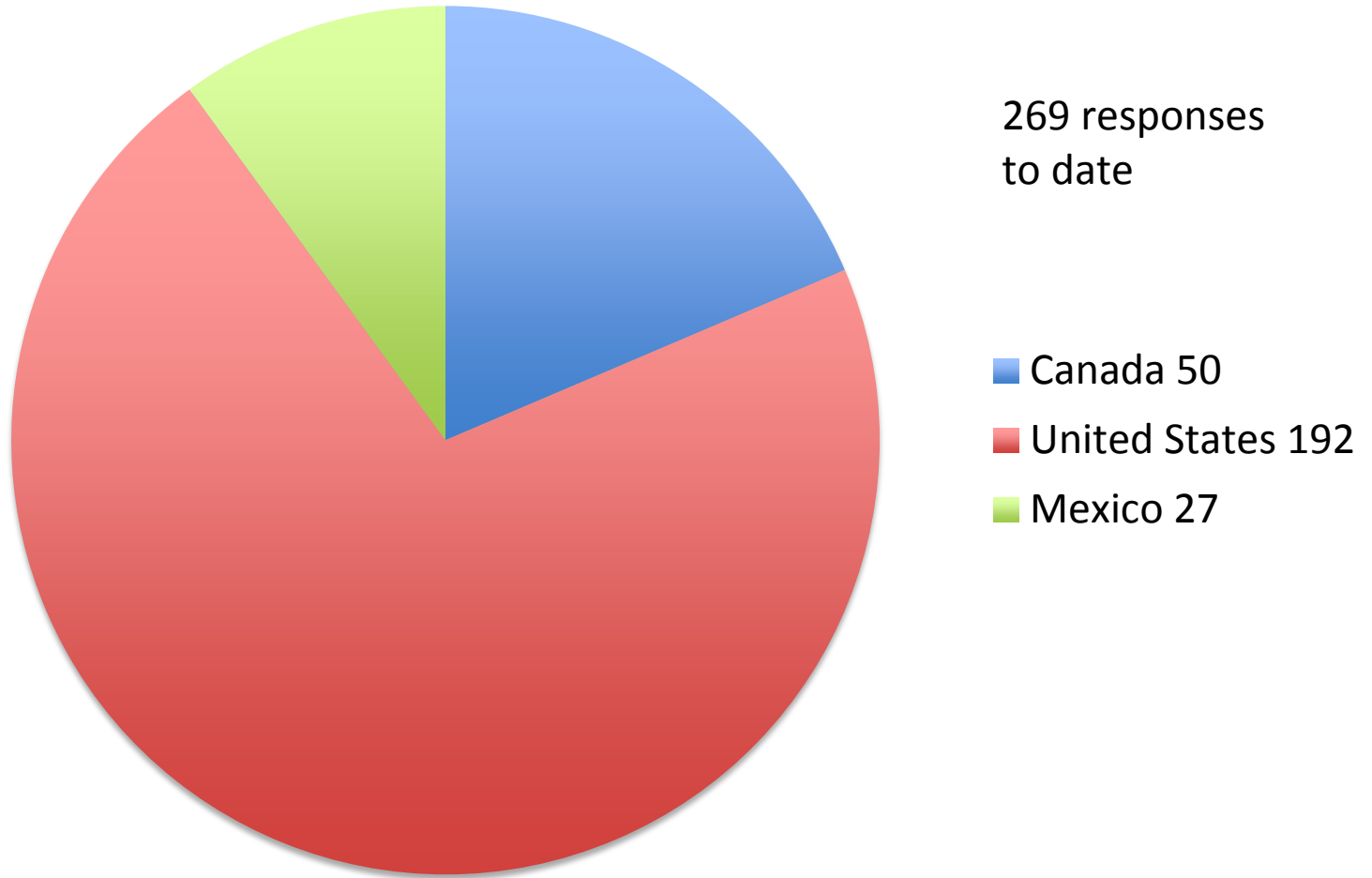
Activities and Products

- Website: www.batconservationalliance.org
- Charter & Terms of Reference
- Coordination between bat working groups
- Prioritization of threats to bats
 - List of potential threats based on IUCN-Conservation Measures Partnership Threat and Action Classifications
 - Joint Bat Working Group Meeting: St. Louis, MO May 2015
 - Electronic survey closed 29 April, analysis in prep.

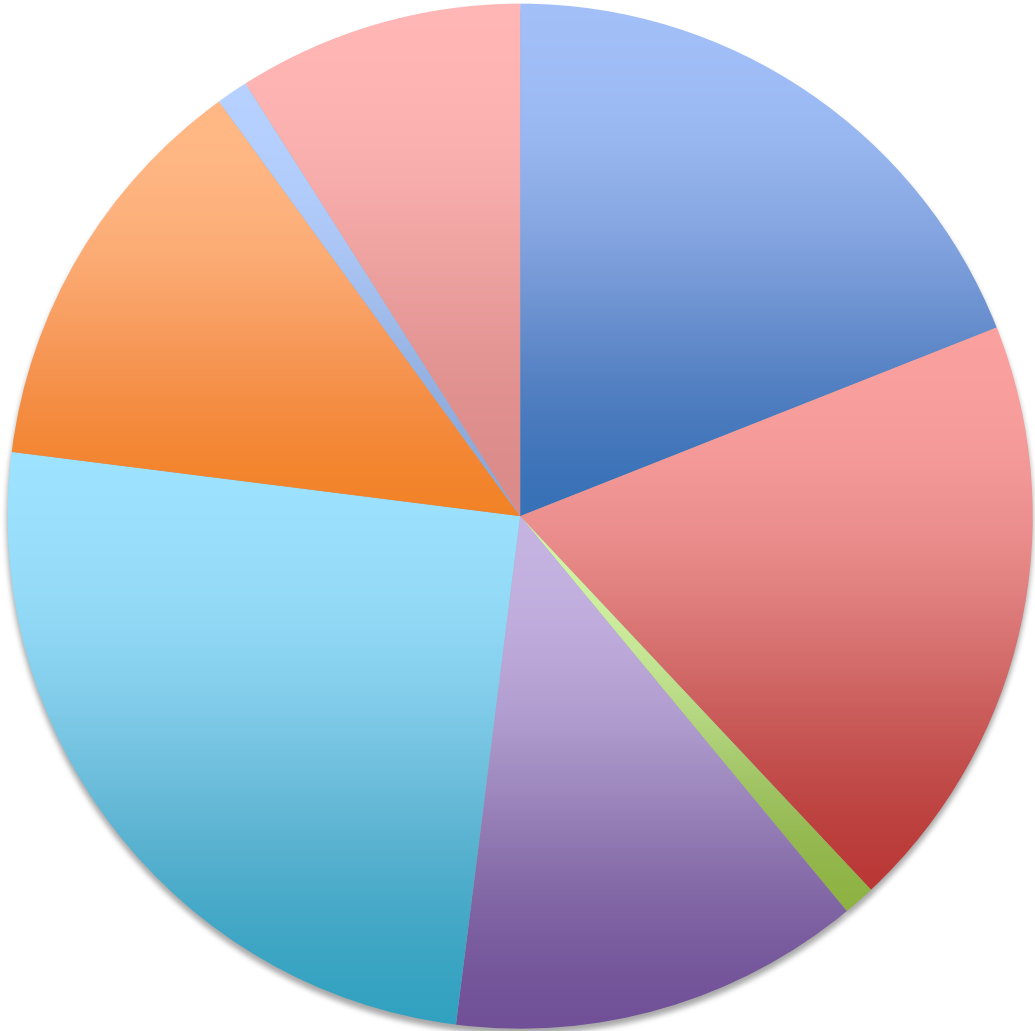


Preliminary Results

NABCA Survey Participants

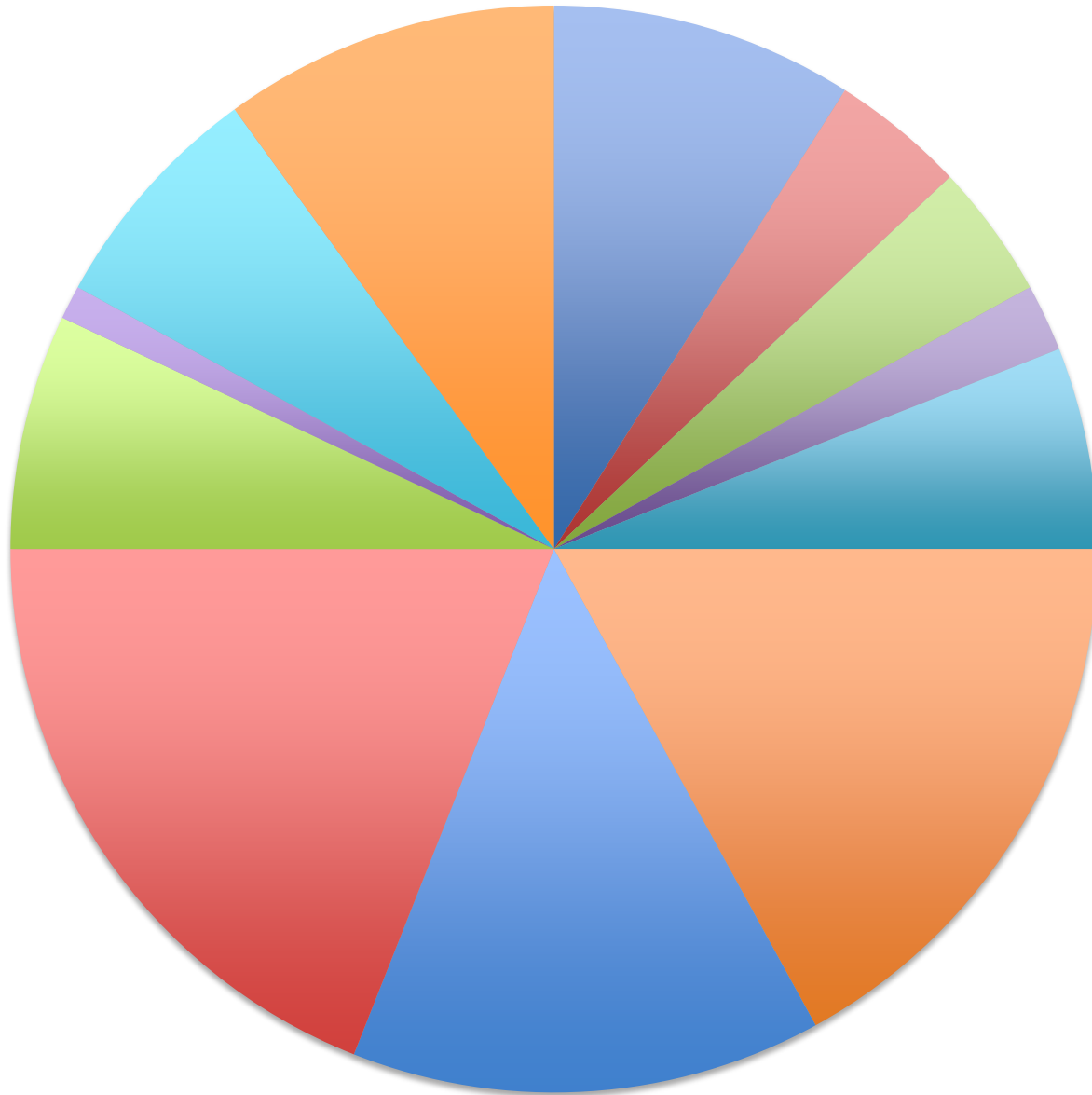


Participant Affiliation



- State / Provincial Government 19%
- Federal Government 19%
- Local / Municipal Government 1%
- Non-Profit Organization 13%
- University / College 25%
- Environmental Consulting 13%
- Industry / Corporate 1%
- Private Entity 9%

Expert Input by Region



- Canada: West of the Rockies (BC/Yukon) 9%
- Canada: Praries & Northern (Eastern BC, AB, SK, MB, NT, NU) 4%
- Canada: Eastern (ON, QC, NB, NS, NF, PE) 4%
- US Region 1: Pacific Northwest 2%
- US Region 2: Southwest 6%
- US Region 3: Midwest 17%
- US Region 4: Southeast 14%
- US Region 5: Northeast 19%
- US Region 6: Mountain-Prairie 7%
- US Region 7: Alaska 1%
- US Region 8: Pacific Southwest 7%
- Mexico 10%

Survey Results

Threat	Total value/significance
Pathogens and microbes	13.77
Climate change	12.63
Renewable energy	12.15
Residential/commercial development	11.87
Pollution	10.96
Logging and wood harvesting	10.94
Annual/perennial non-timber crops	10.54
Oil and gas drilling	10.06
Mining and quarrying	10.01
Invasive species	9.96
Dams and water management/use	9.88
Utility and service lines	9.81
Roads and railroads	9.72
Pest control and eviction/eradication	9.7
Wood and pulp plantations	9.41
Recreational activities	9.26
Other ecosystem modification	9.18
Livestock farming and ranching	9.13
Fire and fire suppression	9.11
Scientific collection or disturbance for research	8.65
Non-recreational activities: vandalism	8.57



Top threats revealed
by survey



Next Steps