





\$30 million annual budget 250+ employees 110,000 donors/members

1.2 million in communication stream



For more than 100 years, Cornell Lab known for scientific excellence, outreach and conservation

Conservation

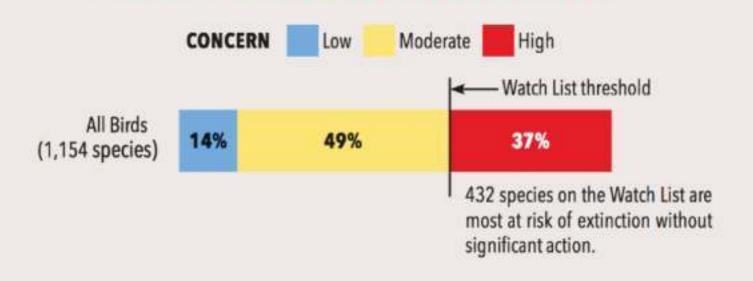
Many types of monitoring, two described today:

eBird – Any bird, anywhere in the world, year-round

Project FeederWatch – feeder birds, Nov. – April US and Canada

State of North America's Birds

ONE-THIRD OF ALL NORTH AMERICAN BIRD SPECIES NEED URGENT CONSERVATION ACTION



eBird

2.9 million eBird users last year

• 562.2 million observations

• 40.3 million checklists

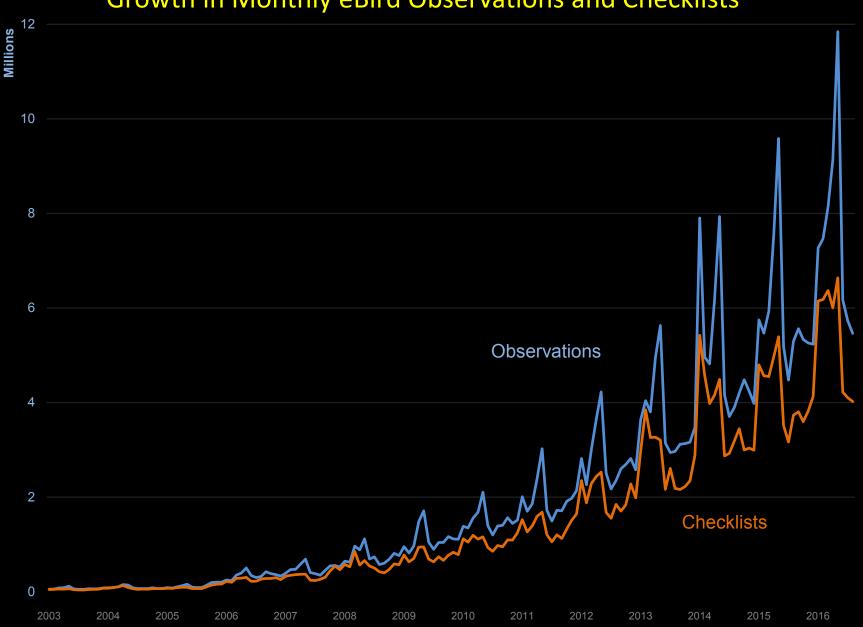
10,407 species (98% of bird species)

39.9 million hours in the field





Growth in Monthly eBird Observations and Checklists



Mourning Dove

American Coot

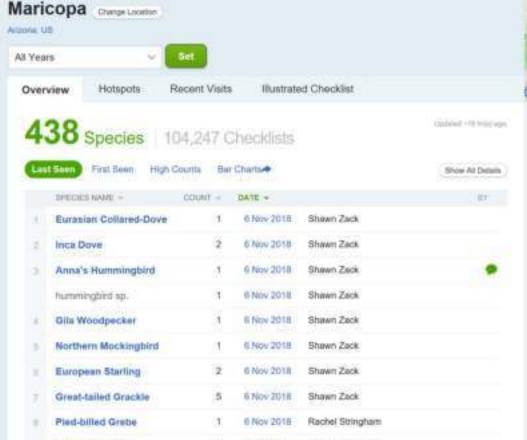
Common Gallinule

Glendale

by Napignir

o Scottsdale





6 Nov 2018

6 Nov 2018

@ Nov 2018

10

Rachel Stringham

Rachel Stringham

Rachel Stringham



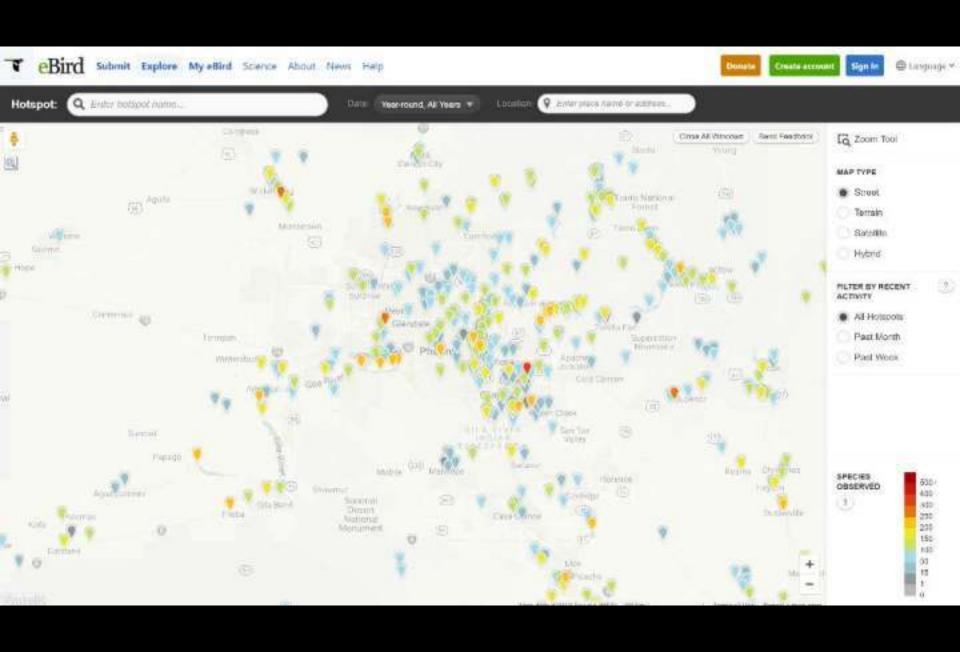
Learn more

Recent	Visits

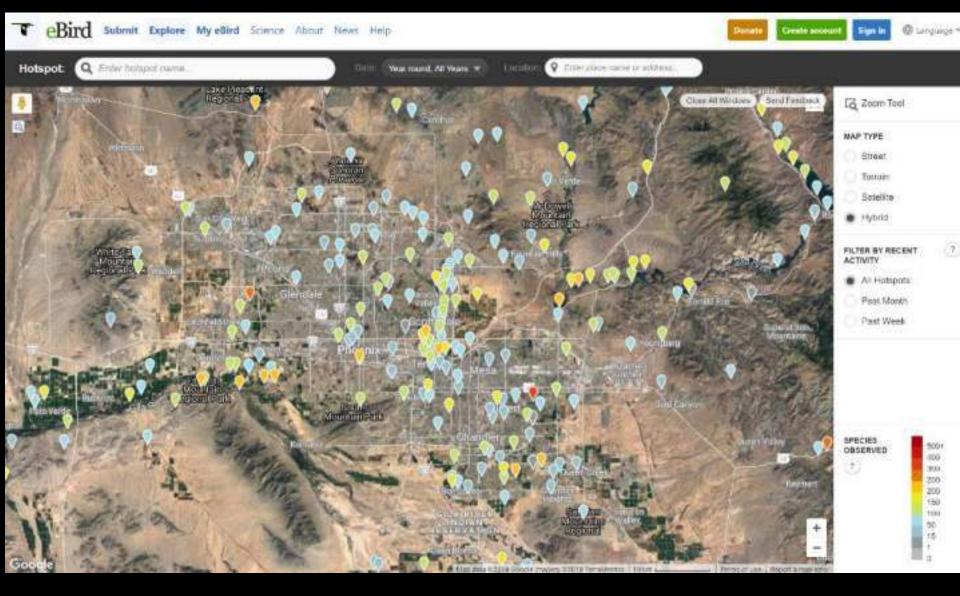
6 OCT 2018

Cheston summer self-tim fine hand frozen door

		THE RESERVE
DESERVER	DATE	present
Jeanette Otis	7 Nov 2016 9	1
steve boyack	7 Nov 2018 9	10
Donna Martinson	7 Nov 2016 9	6
Dale Clark	7 Nov 2018 9	29
Jeanne Burns	7 Nov 2018 9	22
Damel Wilder	7 Nov 2018 @	43



Explore Birding Hotspots

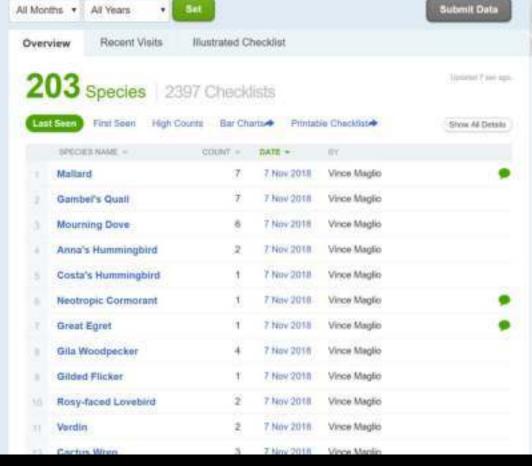




« Hotspot Map

Desert Botanical Garden

Marriopa Cinarty: Artiona, US - Get Directions







Recent Visits

Quelles satelled within New York False" and HOE KREWN.

OMMERVER	DATE	preces.	
Vince Maglio	7 Nov 2018	18	
Don Witter	5 Nov 2018	35	
Heather Luedocke	3 Nov 2018	20	
Shawn Zack	2 Nov 2018	20	
Mike Grant	1 Nov 2018	16	
Don Witter	1 Nov 2018	17	

Data quality

Data Quality Is Very Important

- Automated data quality filters
- Reviewer Network—1500 volunteers



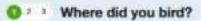
Dogbird

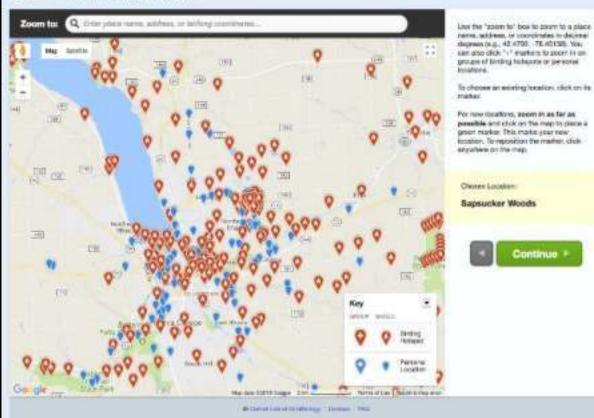


Catbird

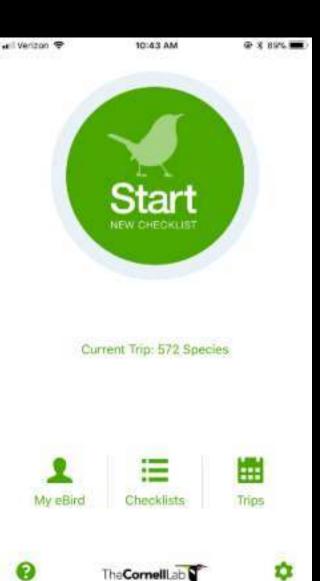
eBird Mobile



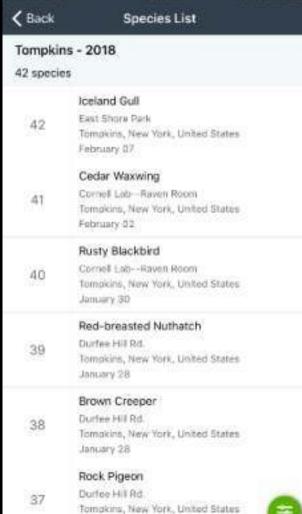




View lists







January 28

10:49 AM

G → 東 HB/5 ...

esti Verizion 🗢

Tracking sightings

My eBird

My eBird

Manage your personal lists, observations, locations, and account settings.

Your Life List: 4687 Species

Updated 3 sec ago.

Your Stats

	Life	Year	Month	
Total Species	4687	855	123	
Total Checklists	11967	1426	78	
ABA Area Total Ticks	4121	715	123	

Your Lists

Major Regions	Country	State/Province	County	
	Lif	e Year	Total County Ticks	
Western	- 44	441	***	
Oromia	40	4 0		
Massachusetts	39	5 94	2933	
Napo	38	2 0	270	
Pichincha	35	0 0	520	
Orellana	30	3 0	(Table)	
El Beni	28	4 0		
Queersland	2.7	9 0	510	
Sichuan	22	8 0	5.00	
Vaupés	2.7	5 2	(**)	
New Jersey	2.7	6 2	517	

Your profile

Share your activity with the eBird community.

Support eBird



My Checklists

Summarize My Observations Create frequency, abundance, and other tables

of my observations. Manage My Checklists

View, edit, print, share or download my checklists.

My Shared Checklists

Checklists that other eBird users have shared with me

Manage My Locations Edit existing locations

Import Data Import data from a

spreadsheet, database, or birding program.

Manage Imported Data View, fix, and submit your imported data

Download my Data

Download and save your data on your computer Manage My Alerta

Modify or view your eBird Alerts

eBird Profiles



Ian Davies

Strain, New York, Underly Status

Regional Reviewer for 7 Regions: Hampail Bottor for World

eBirder stree 23 May 2007 Didnet checkbet 5 July 2006 Didnet media: 20 Jul 2006

to him when against any forth and

I your, at the stilled Project Coordinator at the Conhall Lab in Obsca. I focuse on southeast, engagement, and specific project coordination and management, while also toking my literative exercision making buse that the day alleges of making buse that the day alleges of district keep revening forms.

The and with.

Region: World Charge Region = Resident Region | Region |

Latest Photos (World) to View All



Ekun-apartical Wood-Dove Turbe wher Ewind-Organization Forest NP--Cychanics



Durky-liber Plycalisher Brathma combine Bratis Improvingle Forest NP - Estrage



Petit's Cuckaoshillie Corporlogazonti

Latest Checklists promition



12 Sep 2018 (2.25 Sapra ser Albam - Can Bailding Area

New York, Critical States 11 Sept 2018 10:05



Durine Hill He. New York, Collect States



19 Sep 2018 19 17 197-13 6, rhece 05-NY 142,4636, 76,4990 New York, United States

Find more birds

Explore Species



Identification

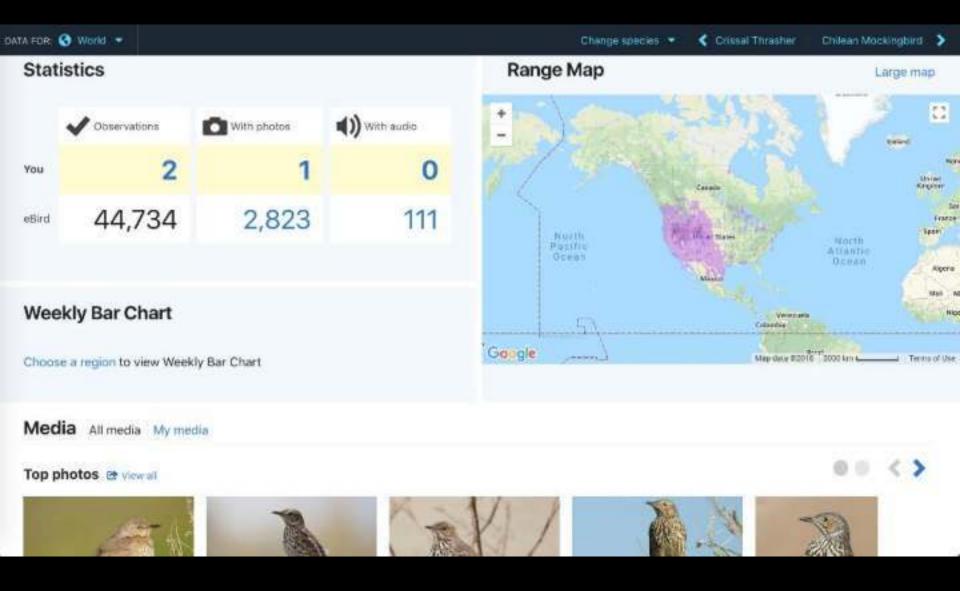
POWERED BY MERLIN

The smallest thrasher; crisp black streaking on underparts unlike most other western thrashers. Grayish brown with buffy wash on belly and sides and thin white wingbars. Long tail. Small, slightly downcurved bill. In flight, look for white corners on tail. True to its name, shows a strong affinity for sagebrush. Singing males perch conspicuously, otherwise furtive, running around on the ground in search of insects. Song is a long, loose series of musical chirps and whistles.

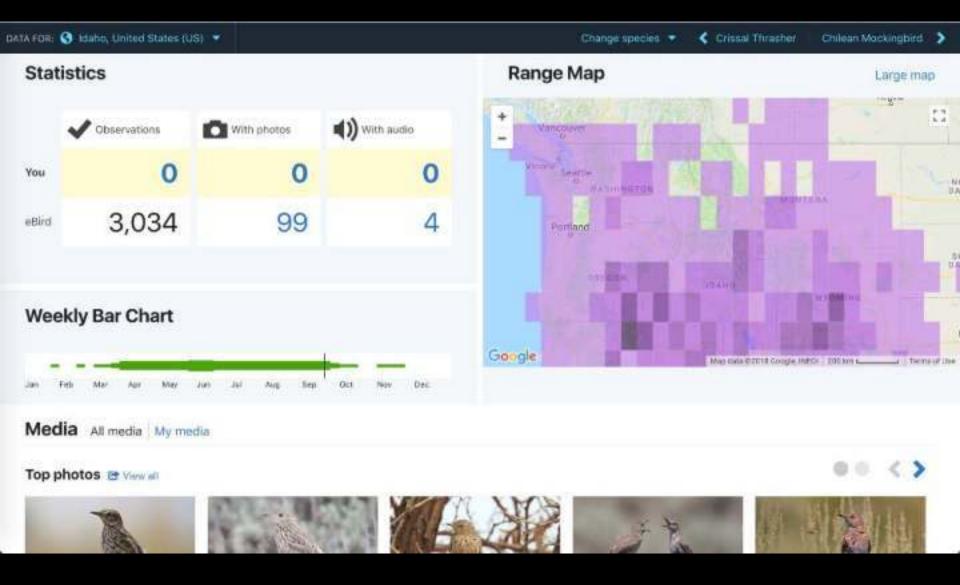
40 Listen

+1 more audio recording

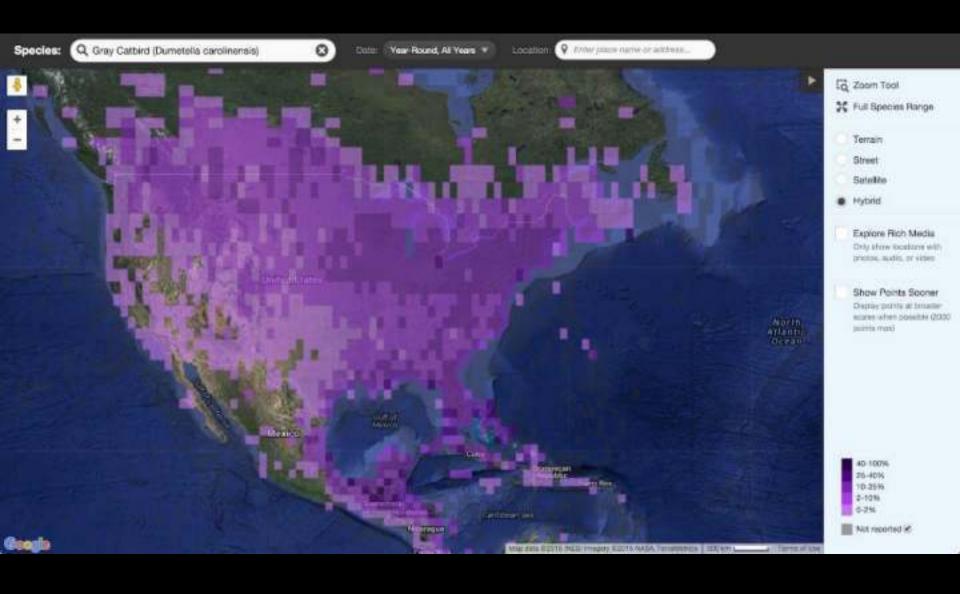
Explore Species



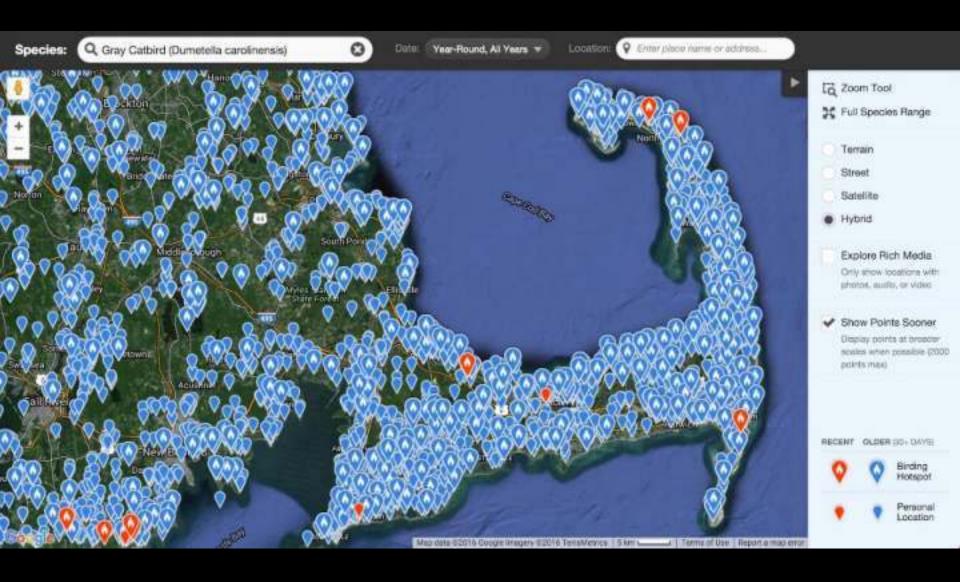
Explore Species



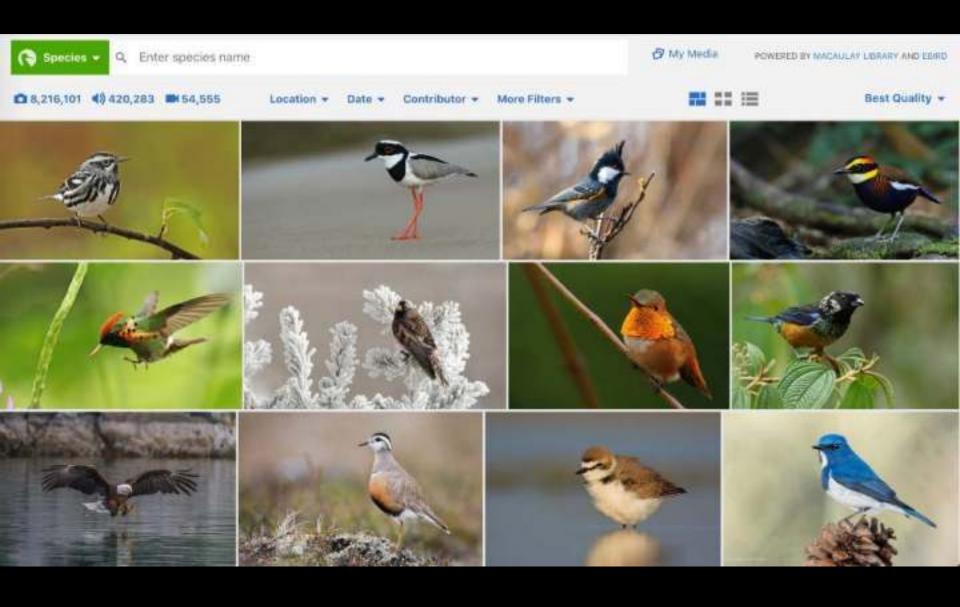
Map Species



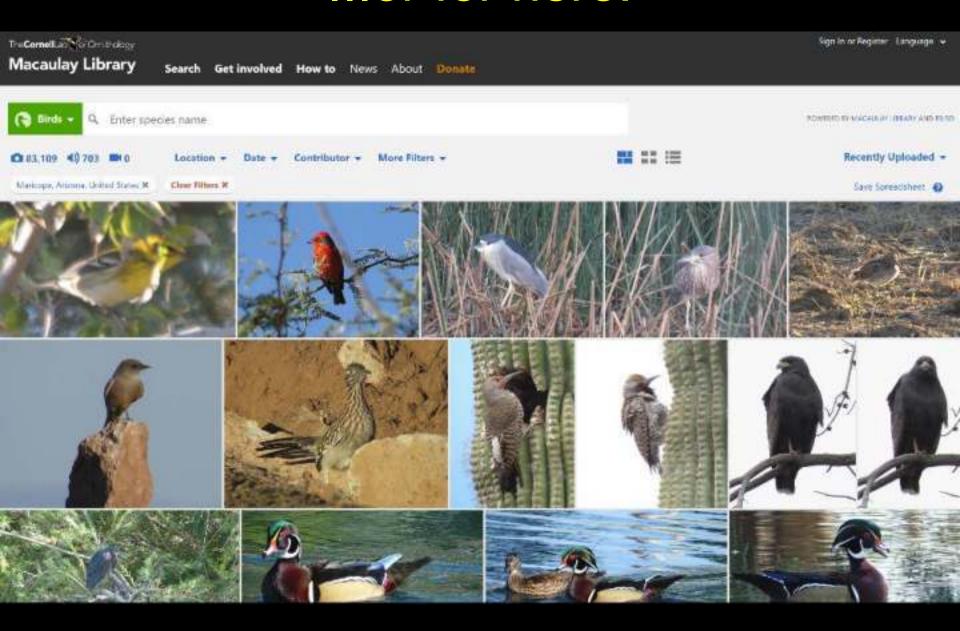
Map Species



Explore media worldwide



...or for here!



Rating photos & sounds



Great Horned Owl Bubo virginianus

1 D Mary Rumple

20 Sep 2015

Boise River WMA -- Headquarters, Ada, Idano, United States

- Unknown

Linknown

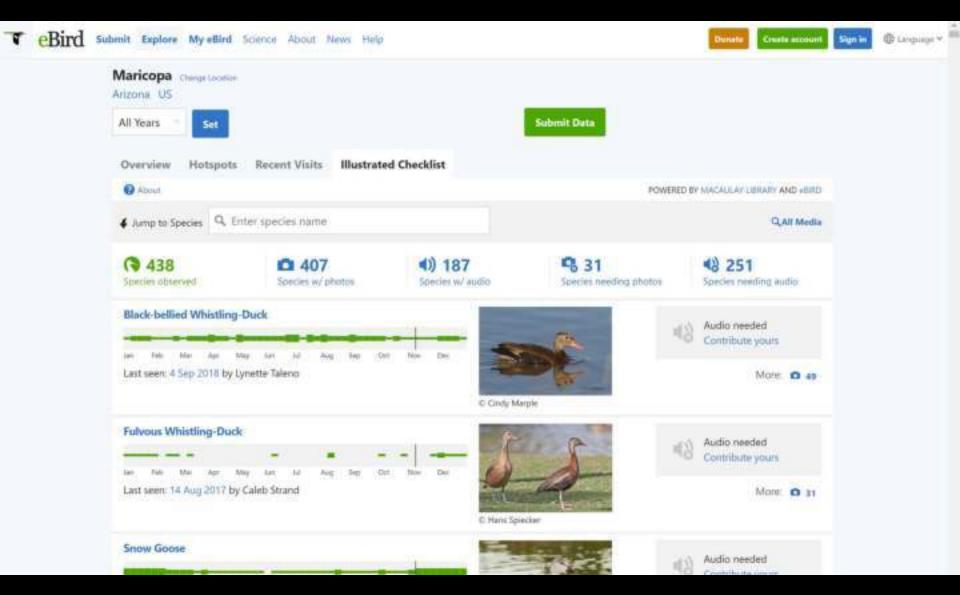
★★★★★ ✓ Your rating: 5

P Report

2 eBed Checkital 525121294

Macaday Library ME63942211

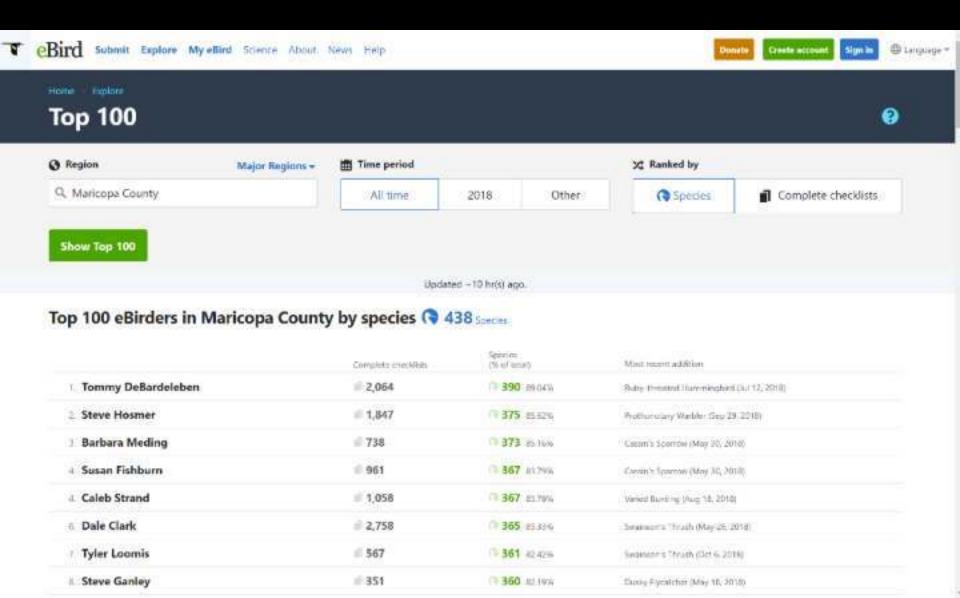
Illustrated Checklists



Targets

Species you haven't seen				*
⊘ Region		Time of year		
Q, Iriaho, US	0	Year-round	September	Custom
I≣ For your:				
World	٠	Life List		*
Show target species				
Saged o	n 8,986 or	emplete checidists		
7 species observed in Idaho, US in Sep that you need for	your Wor	ld Life List (4887 species	13	Print
				Sort by .
1. Chukar Ametoric chular	0.	9570% resservey		Map Map
3 Dusky Grouse Dendingapus obscuries	0	6121%		Пмар
3. Cassia Crossbill Love einescrufe	0	5008%		□ Map
4 Greater Sage-Grouse Controcorcus arophysistems	0	3784%		□ Map
Black Swift Cycselades niger	0.	0334%		□ Map
e. Black Rosy-Finch Laucettiers afrata	0.	0223%		■мар
5 Mountain Qualif Organizar plotos	0.	0111%		TV Harris

Top 100



Merlin



Merlin

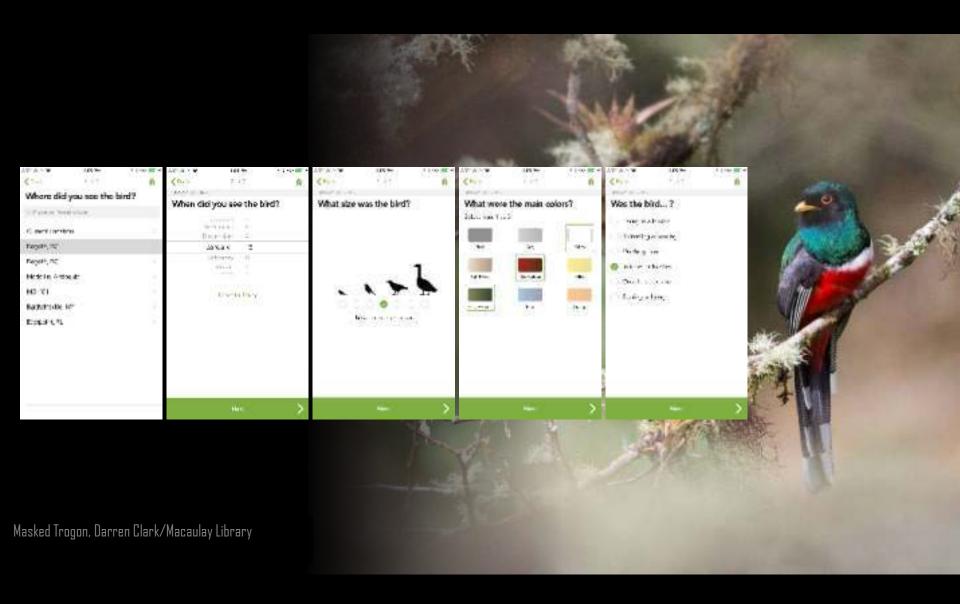




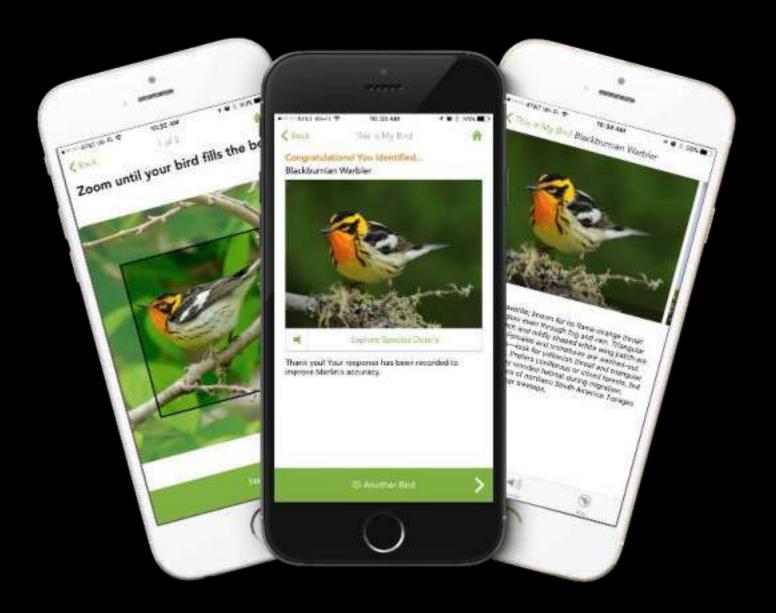




Merlin Bird ID

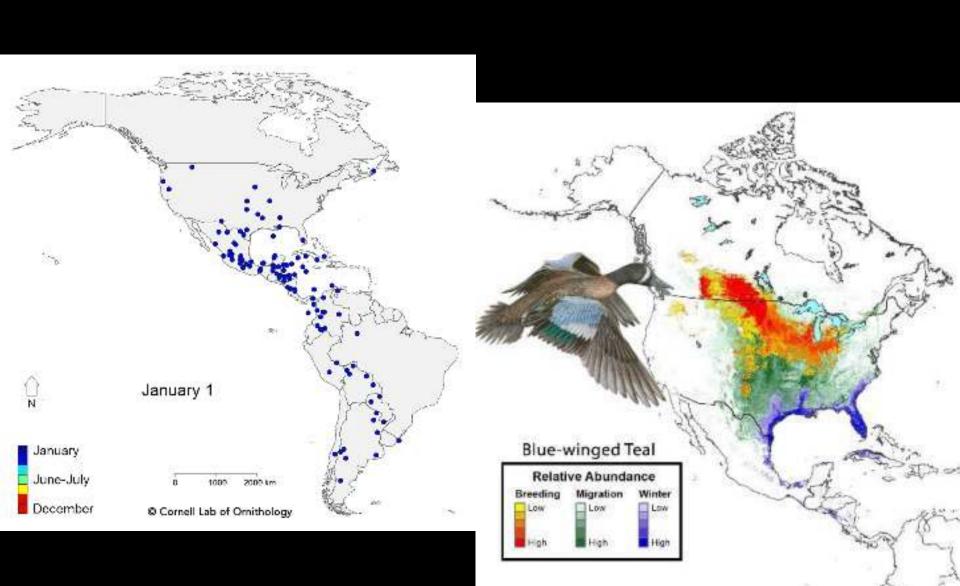


Merlin Photo ID

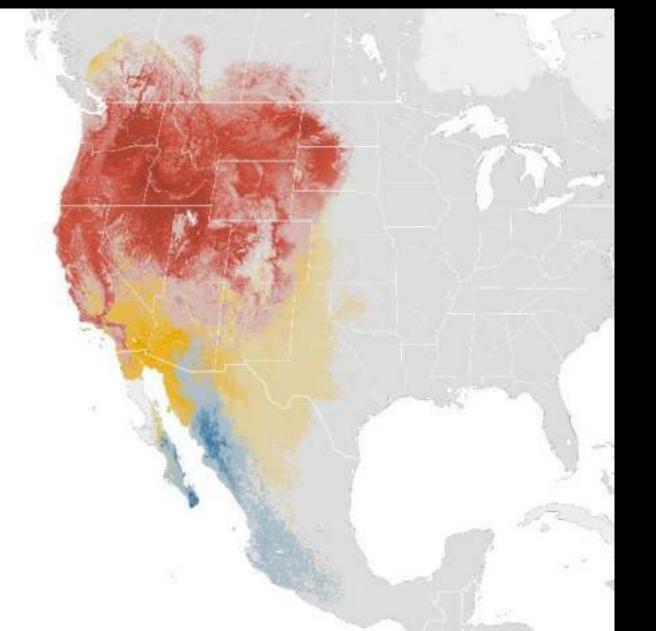


Impact

eBird helps conservation



Lazuli Bunting









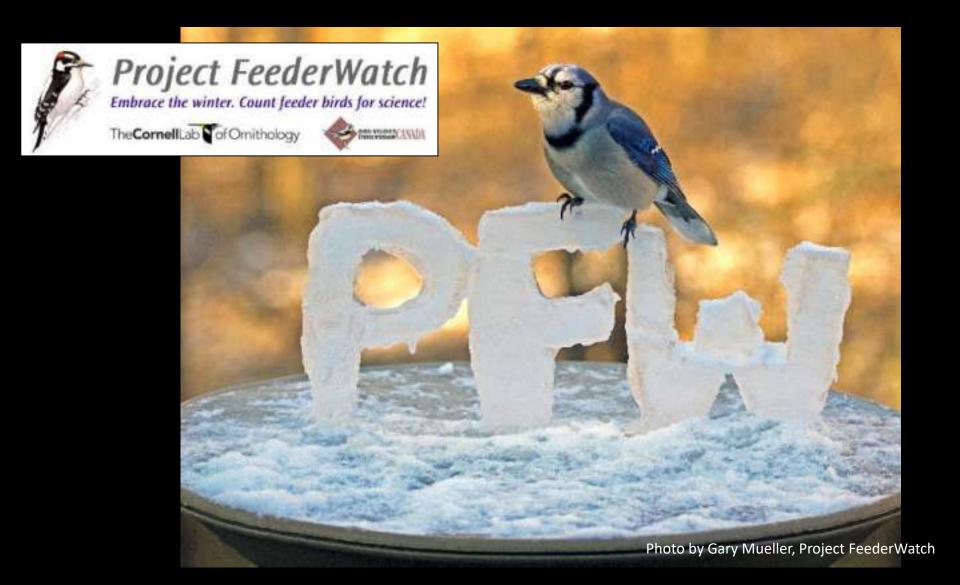


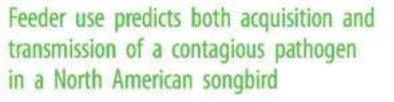






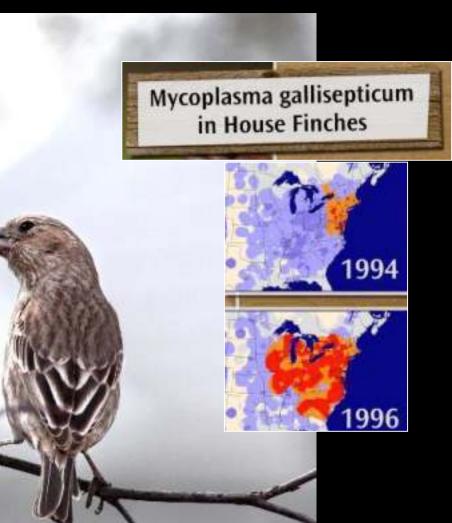






James S. Adelman^{1,2}, Sahnzi C. Moyers³, Damien R. Farine^{4,5,6} and Dana M. Hawley¹

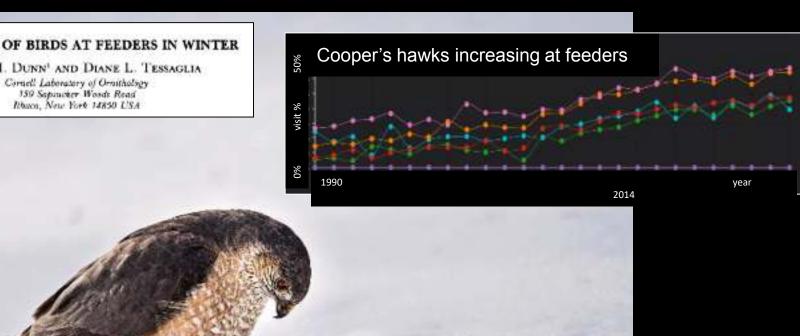
Photo by Chuck Gibson, Project FeederWatch





PREDATION OF BIRDS AT FEEDERS IN WINTER

ERICA H. DUNNI AND DIANE L. TESSAGLIA







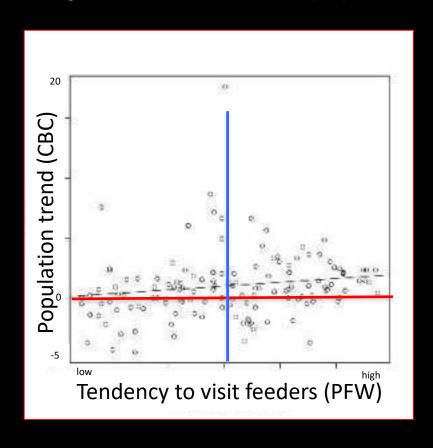


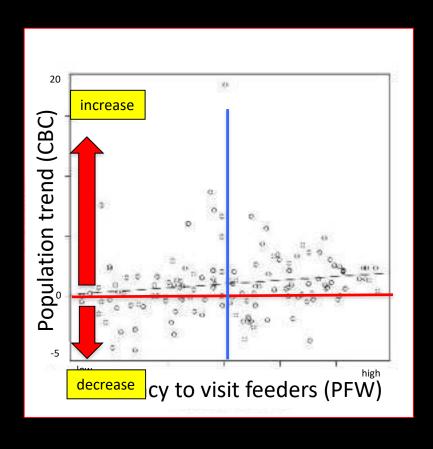
- Used data from Project FeederWatch to assess feeder use by species
 - Continuous and quantitative metric of feeder use (50,000 sites)
- Used Christmas Bird Count data to assess population trends by species
 - Control for range size, urban affiliation, migration strategy, diet (50 years)

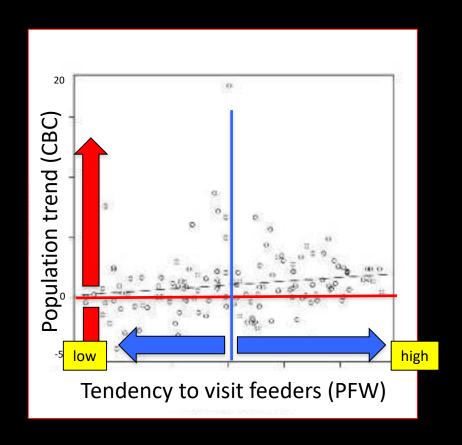
Population trends for North American winter birds based on hierarchical models

CANDAN U. SOYKAN, 1.+ JOHN SAUER, 2 JUSTIN G. SCHUETZ, 1 GEOFFREY S. LEBARON, 3 KATHY DALE, 3 AND GARY M. LANGHAM⁴

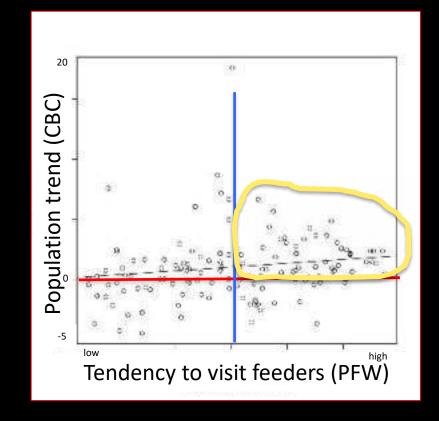
- Selected 136 species that visited feeders regularly enough to be comparable
 - Doves, hummingbirds, woodpeckers, perching birds





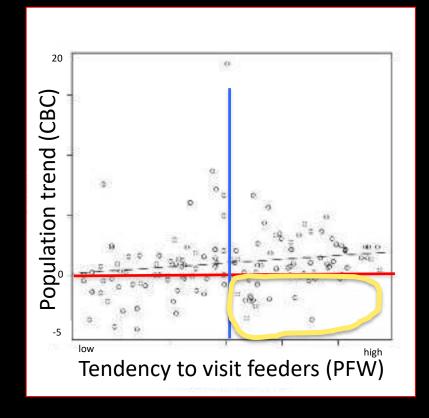


There are lots of species in this quadrat





And relatively few in this one













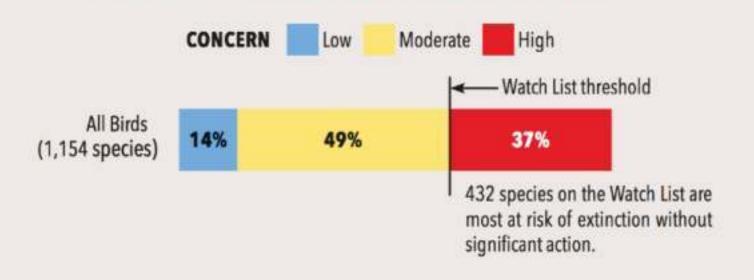
Take home:

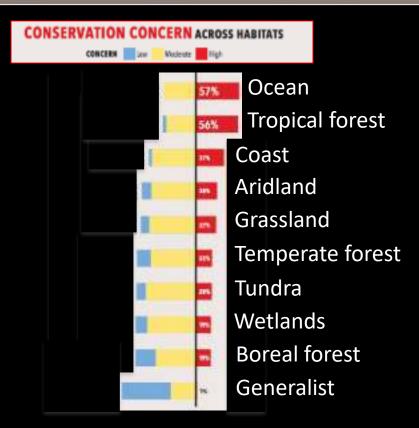
Most species that use feeders a lot are doing well – better than species that use them infrequently.

They certainly aren't doing worse.

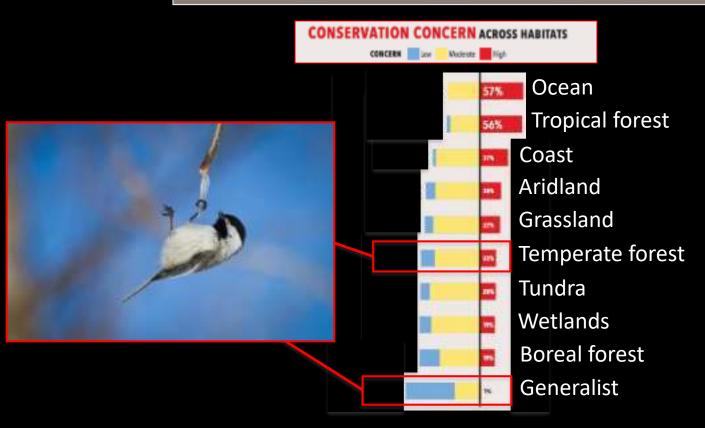
Photo by Mary le Patourel, Project FeederWatch

ONE-THIRD OF ALL NORTH AMERICAN BIRD SPECIES NEED URGENT CONSERVATION ACTION





North American Bird Conservation Initiative. 2016. *The State of North America's Birds 2016*. Environment and Climate Change Canada: Ottawa, Ontario. 8 pages. www.stateofthebirds.org



North American Bird Conservation Initiative. 2016. *The State of North America's Birds 2016*. Environment and Climate Change Canada: Ottawa, Ontario. 8 pages. www.stateofthebirds.org



The species in decline are not sharing habitats with most feeder birds

North American Bird Conservation Initiative. 2016. *The State of North America's Birds 2016*. Environment and Climate Change Canada: Ottawa, Ontario. 8 pages. www.stateofthebirds.org







WWF: In the last 40 years, we have lost 60% of life on Earth

"The declines in wildlife populations are shocking and send a strong signal that we must do more to conserve biodiversity...the trends are alarming in terms of what they mean for human populations. We are degrading the very same systems that provide humans with food, water, clean air and other services..."

Amanda Rodewald
Gavin Professor of Ornithology and
Senior Director Conservation Science



Contents lists available at ScienceDirect

Global Environmental Change

journal homepage: www.elsevier.com/locate/gloenvcha



Network environmentalism: Citizen scientists as agents for environmental advocacy



McKenzie F. Johnson a.T., Corrie Hannah I.a., Leslie Acton b, Ruxandra Popovici a, Krithi K. Karanth a.c.d., Erika Weinthal a.*

Conservation Biology



Special Section: Moving from Citizen to Civic Science to Address Wicked Conservation Problems

Place-based and data-rich citizen science as a precursor for conservation action

Benjamin K. Haywood," Julia K. Parrish,† and Jane Dolliver†

Questions!



