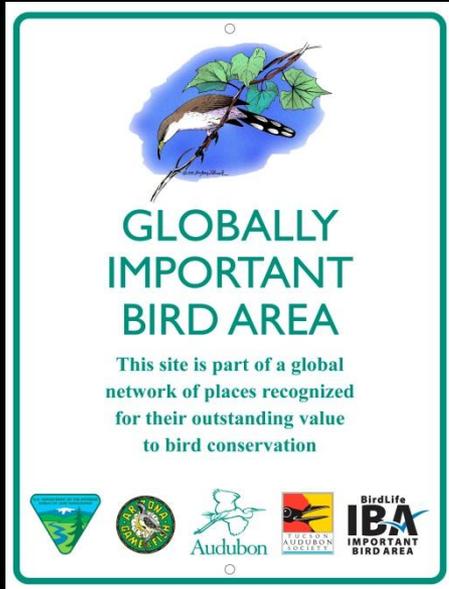
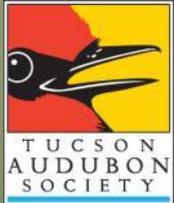


San Pedro Riparian Conservation Area Avian Conservation

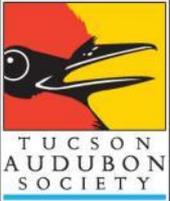


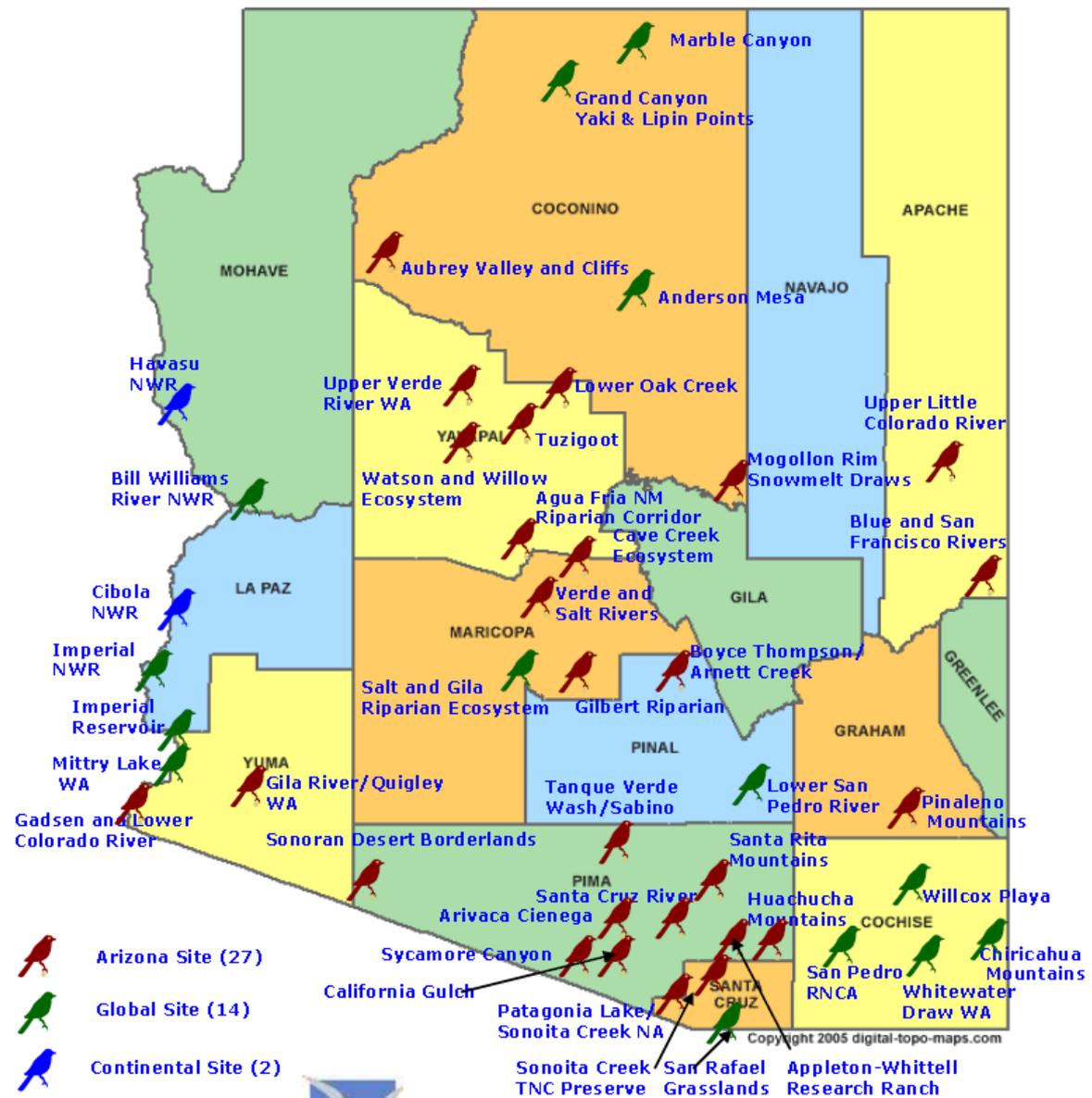
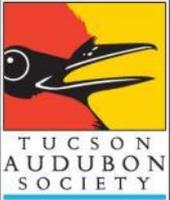
*August 10, 2013
Public Workshop*

San Pedro Riparian National Conservation Area



Audubon IMPORTANT BIRD AREAS



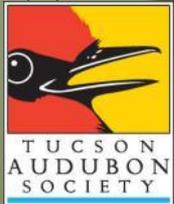


Arizona Important Bird Areas

Copyright 2005 digital-topo-maps.com

So What is an Important Bird Area?

- A site that provides essential habitat for one or more bird species, especially species of conservation concern.
- Breeding, wintering and migratory habitats
- Sites can be designated Continental and Global level

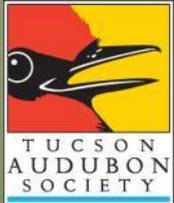


SPRNCA

Important Bird Area

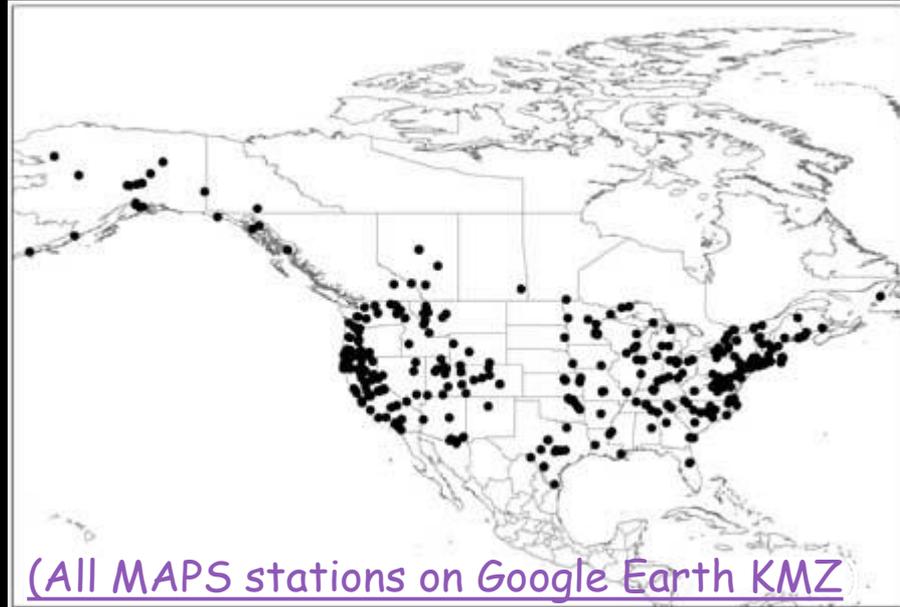
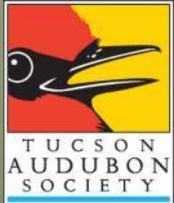
Birds of Conservation Focus

- ✓ Yellow-billed Cuckoo, Bell's Vireo, Lucy's Warbler, Cassin's and Botteri's Sparrow
- ✓ Migration bottleneck spring neotropical migrants (Warblers: Wilson's, Townsends, Yellow, Virginia's) Olive-sided Flycatcher, Southwest Willow Flycatcher
- ✓ Gray Hawk



MIGRATION

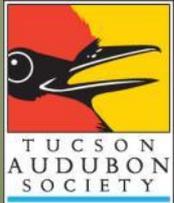
- MAPS (Monitoring Avian Productivity and Survivorship) banding stations provide long-term information on health and recruitment for migrating birds stopping at SPRNCA
- Part of a continental network of sites



Cottonwood/Willow habitat

Conservation focal species:

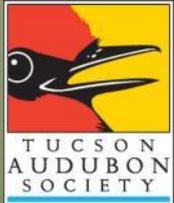
- Gray Hawk
- Yellow-billed Cuckoo
- Yellow Warbler
- Summer Tanager
- Neotropical Migrants



Yellow-billed Cuckoo



- Surveys conducted between 2001 and 2006 on the San Pedro Riparian National Conservation Area,
- Found an estimated 60-100 pairs of cuckoos (M. Halterman unpublished data)

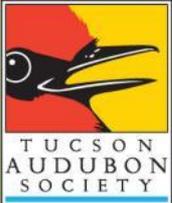


Yellow-billed Cuckoo Habitat Guidelines

- Continuous patches of cottonwood-willow habitat along the linear streambed and surrounding mesquite bosques.
- Sparse understory shrub layer
- Near water
- Tall trees
- Avoid nest disturbance June 15 to September

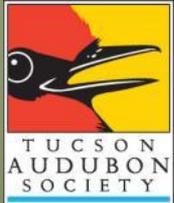


Matthew J. Johnson, etal. USGS /NAU
<http://pubs.usgs.gov/fs/2009/3091/>



Southwest Willow Flycatcher

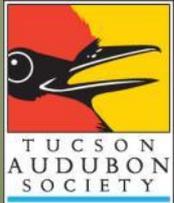
- Spring migrant
- Requires surface water and adjacent willow habitat
- Maintain abundant herbaceous understory near water course
- No breeding records on SPRNCA in recent time



Gray Hawk



- Surveys conducted in 1990's by Brent Dean Bibles; *The relationship between productivity and habitat quality in gray hawks, 1999, UofA PhD dissertation*
- Surveys conducted in 2010-2012 that reaffirmed population status.

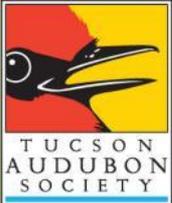


Gray Hawk



- Conserve and protect cottonwood/willow gallery forests and especially adjoining tall stature mesquite bosque vegetation.
- Avoid grazing in vegetation growing season
- Avoid nest sites March through July

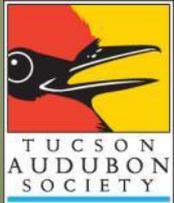
Arizona Audubon IBA Riparian Habitat Guidelines



Mesquite Bosque habitat

Conservation focal species:

- Bell's Vireo
- Lucy's Warbler
- Vermilion Flycatcher
- Gray Hawk
- Yellow-billed Cuckoo

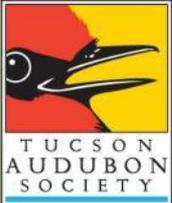


Lucy's Warbler



- Cavity nesting – builds nest behind large bark shards on mature mesquites.
- Conserve large patches of mesquite bosques, especially near tributary confluences.
- Keep groundwater levels no deeper than 49 feet (15 meters)

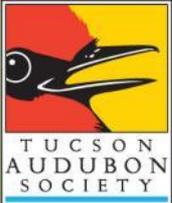
Arizona Audubon IBA Riparian Habitat Guidelines



Bell's Vireo



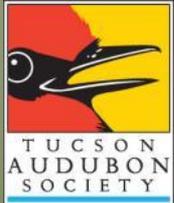
- Mid-story nester
- Dense shrub layer 0.6–3.0 m above ground
- Maintain mesquite bosques and mid-story shrubs in the riparian zone.
- Not dependent on flowing water



Sacaton and Grassland habitats

Conservation focal species:

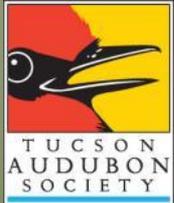
- Botteri's Sparrow
- Cassin's Sparrow
- Grasshopper Sparrow
- Meadowlark (Lilian's)
- Eastern Bluebird
- Winter species (Longspurs, Brewer's Sparrow)



Botteri's Sparrow (Habitat Quality Indicator)



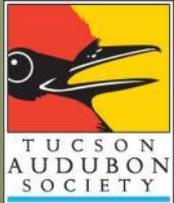
- Late summer nesting
- Most densely nesting in riparian bunchgrass vegetation
- Conserve and manage for dense patches of giant sacaton
- conserve bunchgrass swales within seasonally wet areas.
- Avoid grazing these habitats from June-September



Cassin's Sparrow



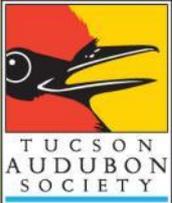
- Late summer nesting
- Upland bunchgrass habitats with some woody shrubs
- Maintain a tall grass community
- Avoid intensive grazing practices-use rotational grazing



Rufous-winged Sparrow



- Desert grassland habitats with cactus and woody shrubs
- Maintain an understory bunchgrass community
- Avoid intensive grazing practices-use rotational grazing



Response of Vegetation and Breeding Birds to the Removal of Cattle on the San Pedro River, Arizona

DAVID KRUEPER, JONATHAN BART, AND TERRELL D. RICH;
Conservation Biology Volume 17, No. 2, April 2003

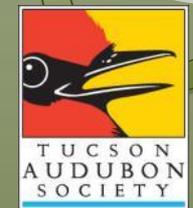
- Removal of cattle led to rapid and substantial recovery of riparian and mesquite bosque vegetation and bird populations
- Resuming cattle grazing within these vegetation communities should be approached with caution



June 1987



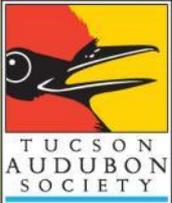
June 1991



Ecological Water Flows

- presence and extent of surface water was positively associated with the total relative abundance of riparian birds
- Arthropod biomass is greater in riparian areas with substantial amounts of surface water compared to riparian areas lacking surface water.

CHRIS KIRKPATRICK, UNIV. OF AZ; 2008; *QUANTIFYING IMPACTS OF GROUND WATER WITHDRAWAL ON AVIAN COMMUNITIES IN DESERT RIPARIAN WOODLANDS OF THE SOUTHWESTERN U.S.*



Western Rivers Initiative

Vision: Rio Grande and Colorado River basins are sustained as healthy and resilient river ecosystems, securing livable landscapes essential for birds, wildlife and people.

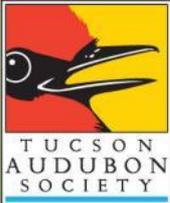
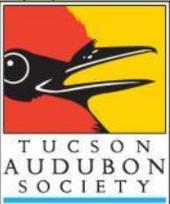


Photo by Greg Lasley

IBA Website & Blog

aziba.org



Arizona Important Bird Areas Program - Mozilla Firefox

Arizona Important Bird Areas Program »

www.aziba.org/wordpress/

Arizona Important Bird Areas Program

Home Join Us! About the Program Upcoming Events Latest Adventure - IBA Blog AZ IBAs Resources Database

BioBlitz at Saguaro NP, Quite an Event!
by Jennie MacFarland, IBA Program Biologist. On October 21-22, 2011 the much publicized BioBlitz was held at Saguaro National Park. This was the 5th annual BioBlitz in a series of 10, each held at a different National Park, leading up...

View full post

Welcome to Audubon's Arizona Important Bird Areas (IBA) Program!

NAVIGATION

- Home
- Join Us and Survey Birds!
- About the Program
- Upcoming Events
- Latest Adventure - IBA Blog
- AZ IBAs - Site Information
- IBA Program Resources
- Arizona IBA Bird Survey Database

OUR SPONSORS

Latest Adventure - IBA Blog - Arizona Important Bird Areas Program - Mozilla Firefox

Latest Adventure - IBA Blog - Arizona Impo...

aziba.org/wordpress/index.php/blog/

16 Arizona IBA Volunteer Appreciation Party!
Uncategorized by ibasadmin

2011 By Jennie MacFarland, Arizona IBA Program Biologist

On October 29th, 2011 Arizona IBA staff and volunteers gathered on Mount Lemmon to party! The Arizona Important Bird Area Program simply could not operate without its dedicated and talented volunteers! Our volunteers help with surveys, data entry and at special events such as the recent BioBlitz!

Very recently, Arizona added two new IBAs (San Rafael Grasslands for wintering sparrows and Aubrey Valley for migrating raptors) and expanded the Sabino Canyon IBA to include Tanque Verde Wash. This program simply would not have the 42 identified IBAs (5 of which have Global status) without the data collected by our wonderful volunteer surveyors!

To celebrate our awesome volunteers, the Arizona IBA program held a barbeque at the Rose Canyon picnic area on Mount Lemmon! All enjoyed grilled hotdogs/turkey dogs, grilled corn and many delicious goodies brought by attendees! Everyone enjoyed good company and conversation while dining on a great lunch! Later everyone participated in a bird trivia contest with the top prize being a \$25 gift certificate to the Tucson Audubon Society Nature Shop and a copy of the newest edition of Finding Birds in SE Arizona (just released!) and second place also received a copy of the book.

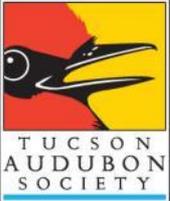
When all of the excitement settled down, all volunteers present received a special custom hat so they can proudly display their participation in the IBA program! To all of our Arizona IBA volunteers, past and present, one-timers to those who have helped for years on end. THANK YOU! We couldn't do it without you!

Party on the Lemmon



GLOBALLY IMPORTANT BIRD AREA

This site is part of a global
network of places recognized
for their outstanding value
to bird conservation



Questions?