

### Arivaca Cienega and Creek

IBA web pages	<ul style="list-style-type: none"> <li><a href="http://www.audubon.org/important-bird-areas/arivaca-cienega-and-creek">http://www.audubon.org/important-bird-areas/arivaca-cienega-and-creek</a></li> <li><a href="http://aziba.org/?page_id=778">http://aziba.org/?page_id=778</a></li> </ul>
Priority	State
Qualifying Criteria	<p>D1: Species of Conservation Concern (<i>Western Yellow-billed Cuckoo, Wood Duck, Masked Bobwhite Quail, Gray Hawk, Swainson’s Hawk, Peregrine Falcon, Broad-billed Hummingbird, Gila Woodpecker, Buff-collared Nightjar, Black-capped Gnatcatcher, Northern Beardless-Tyrannulet, Thick-billed Kingbird, Bell’s Vireo, Lucy’s Warbler, Yellow Warbler, Grasshopper Sparrow, Lincoln’s Sparrow, Botteri’s Sparrow, Rufous-winged Sparrow</i>)</p> <p>D3: Species in rare/unique habitat <i>Lowland riparian and Cienega marsh</i></p> <p>D4vii: Important migratory stop-over/seasonal concentration for migratory land birds (<i>Bald Eagle, Swainson’s Hawk, American Bittern, Costa’s Hummingbird, Loggerhead Shrike, Savannah Sparrow, Brewer’s Sparrow, Varied Bunting</i>)</p>
IBA Polygon Center Point (Latitude, Longitude)	31.56° N, 111.3° W
Size	4930 acres
County	Pima
Local Communities	Arivaca
Description	This IBA represents a rare desert cienega and connected creek system in southern Arizona. These wet habitats are just a small part of the Buenos Aires National Wildlife Refuge, which encompasses 118,000 acres. Arivaca IBA is located thirty miles west from I-19, the main north-south interstate highway in southern Arizona, near the town of Arivaca. The cienega is supported by seven springs, making Arivaca Creek in most years a perennial creek for two of its roughly 5-mile length before it enters the Brawley Wash system.
Mission/Goals	To conserve and protect an exceptional example of low-elevation desert riparian and desert grassland habitats and the populations of breeding, wintering, and migratory birds that depend on them.
Current Habitat Conservation, Planning, and Management Activities	Low Grasslands Sonoran Desert Lowland Riparian
Land Cover Type <sup>1</sup> (%) and Associated Priority <sup>2</sup> Birds	64.61 Semiarid/Sonoran Savannah Grassland ( <i>Masked Bobwhite Quail, Peregrine Falcon, Swainson’s Hawk, Grasshopper Sparrow, Golden Eagle, Buff-collared Nightjar, Loggerhead Shrike, Gila Woodpecker, Savannah Sparrow, Botteri’s Sparrow, Rufous-winged Sparrow, Brewer’s Sparrow, Varied Bunting</i> )

<sup>1</sup>Southwest Regional Gap Analysis modified to align with ABBA/SWAP

<p>habitat types</p> <p><sup>2</sup>AGFD SGCN and IBA Qualifying Species</p>	<p>25.70 Riparian and Cienega (<i>Western Yellow-billed Cuckoo, Bald Eagle, Wood Duck, American Bittern, Broad-billed Hummingbird, Yellow Warbler, Cactus Ferruginous Pygmy Owl, Lincoln’s Sparrow, Gila Woodpecker, Black-capped Gnatcatcher, Bell’s Vireo, Thick-billed Kingbird, Northern Beardless-Tyrannulet, Desert Purple Martin</i>)</p> <p>5.89 Sonoran Desertscrub: Lower Colorado River</p> <p>3.64 Chihuahuan Desertscrub (<i>Peregrine Falcon, Golden Eagle, Costa’s Hummingbird, Loggerhead Shrike, Gila Woodpecker</i>)</p> <p>0.16 Other (Mexican Evergreen Woodland)</p>
<p>Related Habitat Accounts*</p>	
<p>Biological Description</p>	<p>This IBA is important in Arizona because it supports breeding numbers of Yellow-billed Cuckoo, Gray Hawk, Swainson's Hawk, Lucy's Warbler, Black-bellied Whistling Duck, and small but reliable numbers of Costa's Hummingbird, Northern Beardless-Tyrannulet, Tropical and Thick-billed Kingbirds, Rufous-winged Sparrow, and Varied Bunting. Sora and Virginia Rails nest within the Cienega. Buff-collared Nightjar is also known to nest along Arivaca Creek.</p> <p>Additionally, the IBA is stop over for many species in migration including Southwestern Willow Flycatcher, Gray Flycatcher, Swainson's Thrush, Lucy's Warbler, Virginia's Warbler, and MacGillivray's Warbler.</p> <p>In winter this IBA becomes a hotspot for sparrows, both in terms of diversity and density. Notable Species include Brewer's, Cassin's, and Grasshopper Sparrows. Winter also brings with it an influx of raptors and wading birds including Peregrine Falcon and Great Egret.</p> <p>Although, not species of conservation concern, the following species are also present in winter: Northern Harrier, Cooper's Hawk, Red-tailed Hawk, American Kestrel, Loggerhead Shrike, Great Blue Heron, Green Heron, Black-crowned Night Heron. and Green Kingfisher, a rare species in Arizona.</p>
<p>Focal Bird Species</p>	<p><b><u>IBA Qualifying Species</u></b></p> <p><u>State:</u> Western Yellow-billed Cuckoo, Masked Bobwhite Quail, Peregrine Falcon, Bald Eagle, Swainson’s Hawk, Wood Duck, Grasshopper Sparrow, Golden Eagle, American Bittern, Buff-collared Nightjar, Costa’s Hummingbird, Broad-billed Hummingbird, Yellow Warbler, Cactus Ferruginous Pygmy Owl, Loggerhead Shrike, Lincoln’s Sparrow, Gila Woodpecker, Savannah Sparrow, Botteri’s Sparrow, Rufous-winged Sparrow, Brewer’s Sparrow, Black-capped</p>

	<p>Gnatcatcher, Desert Purple Martin, Thick-billed Kingbird, Northern Beardless-Tyrannulet, Varied Bunting</p> <p><b><u>AGFD Species of Greatest Conservation Need</u></b></p> <p>Tier A: Western Yellow-billed Cuckoo, Masked Bobwhite Quail, Peregrine Falcon, Bald Eagle,</p> <p>Tier B: Wood Duck, Grasshopper Sparrow, Golden Eagle, Buff-collared Nightjar, Gila Woodpecker, Broad-billed Hummingbird, Yellow Warbler, Cactus Ferruginous Pygmy Owl, Black-capped Gnatcatcher, Thick-billed Kingbird, Yellow Warbler, Lincoln’s Sparrow, Grasshopper Sparrow, Savannah Sparrow, Botteri’s Sparrow, Rufous-winged Sparrow,</p> <p><b><u>Federal Threatened or Endangered Species</u></b></p> <p>Western Yellow-billed Cuckoo, Masked Bobwhite Quail</p> <p><b><u>USFWS Birds of Conservation Concern</u></b></p> <p>National – Bald Eagle, Swainson’s Hawk, Peregrine Falcon, Yellow-billed Cuckoo, Costa’s Hummingbird, Loggerhead Shrike, Lucy’s Warbler, Rufous-winged Sparrow, Varied Bunting</p> <p>USFWS Region – Bald Eagle, Peregrine Falcon, Yellow-billed Cuckoo, Costa’s Hummingbird, Northern Beardless-Tyrannulet, Loggerhead Shrike, Lucy’s Warbler, Yellow Warbler, Rufous-winged Sparrow, Botteri’s Sparrow, Brewer’s Sparrow, Varied Bunting</p>
NABCI Bird Conservation Region	33: Sonoran and Mohave Deserts
Ownership	US Fish and Wildlife Service
Conservation Land Status**	Buenos Aires National Wildlife Refuge
Human Population Density	Rural
Legislative District(s)	Arizona Congressional District 3 and State Legislative District 2
NRCS Major Land Resource Area	53: Southeastern Arizona Basin and Range
Visitation, main access, and permits needed	For information on trails, access, and more, please visit the Buenos Aires National Wildlife Refuge website here: <a href="https://www.fws.gov/refuge/Buenos_Aires/wildlife/watching.html">https://www.fws.gov/refuge/Buenos_Aires/wildlife/watching.html</a>

\*References available written narratives (located on the SJV website) for general habitat types occurring within the IBA.

\*\*Identifies whether the IBA or portions of the IBA have a special land management designation such as: wilderness, primitive area, wildlife area, refuge, park, monument, designated conservation area,

conservation easement, or other similar designation

**IBA Activities:**

<b>Issue or Activity</b>	<b>Priority</b>	<b>Description</b>	<b>Actions</b>
CBC	M	Buenos Aires NWR CBC	Annual
AZ IBA Surveys	M	Annual breeding bird surveys	TAS lead- Encourage eBird entries
Species Surveys	H	Yellow-billed Cuckoo, Cactus-Ferruginous Pygmy Owl	USFWS Lead
IBA Signage	H	Install signs identifying the site as an IBA	Signs made and with TAS
IBA Dedication	M	A formal recognition event	Pending
Updated	April 2020		

**Partners:**

<b>Name</b>	<b>Role(s)</b>	<b>Contact Information</b>	<b>Actions</b>
Buenos Aires NWR	Land Manager	P.O. Box 109 Sasabe, AZ 85633  <a href="#">Contact Information</a>	Approval of updated mini-plan
Friends of Buenos Aires NWR	Site Steward	<a href="mailto:fobanwr@gmail.com">fobanwr@gmail.com</a>  <a href="#">Contact Information</a>	Site volunteers and advocates for the refuge. Coordinate volunteer work projects.
Tucson Audubon Society	IBA Steward	<a href="#">Contact Information</a>	Advocacy and bird surveys
Altar Valley Conservation Alliance	Local Rancher Conservation Partnership	<a href="#">Contact Information</a>	Local collaborative partnership with landowners and managers

**Conservation Targets:**

These are species, communities, or ecological systems that represent and encompass the full array of biodiversity found in this IBA.

<b>Conservation Target</b>	<b>Current Condition</b>
Cottonwood/Willow Riparian Birds	Good
Mesquite Bosque Birds	Good
Grassland Birds	Good
Cienega Birds	Fair

**Conservation Challenges:**

Conservation challenges are primarily human activities that immediately affect what we are trying to conserve. Through a Miradi process, it was found that drought and groundwater pumping pose the greatest threats to birds within this IBA.

Challenges	Grassland Birds	Cottonwood /Willow Riparian Birds	Mesquite Bosque Birds	Cienega Birds	Summary Rating
Cowbird Parasitism	NA	Medium	Medium	NA	Medium
Invasive Plants	Medium	Low	Low	Medium	Low
Development (Water Table Drawdown)	Low	Medium	Low	Medium	Medium
Invasive Animals Bullfrogs	NA	NA	NA	Medium	Low
Drought	Low	High	Low	High	Medium
Summary Ratings:	Low	Medium	Low	Medium	Medium

Arivaca Cienega and Creek			Severity (1-3)	Scope (1-3)	Permanence (2-4)
Threats on National Database			1	1	3
Industrialization/Urbanization	Development (offsite)	5	1	2	2
Invasive species	Non-native animals (other than birds)	5	1	2	3
Natural events	Cowbird parasitism	6	3	2	3
Natural events	Drought	8			