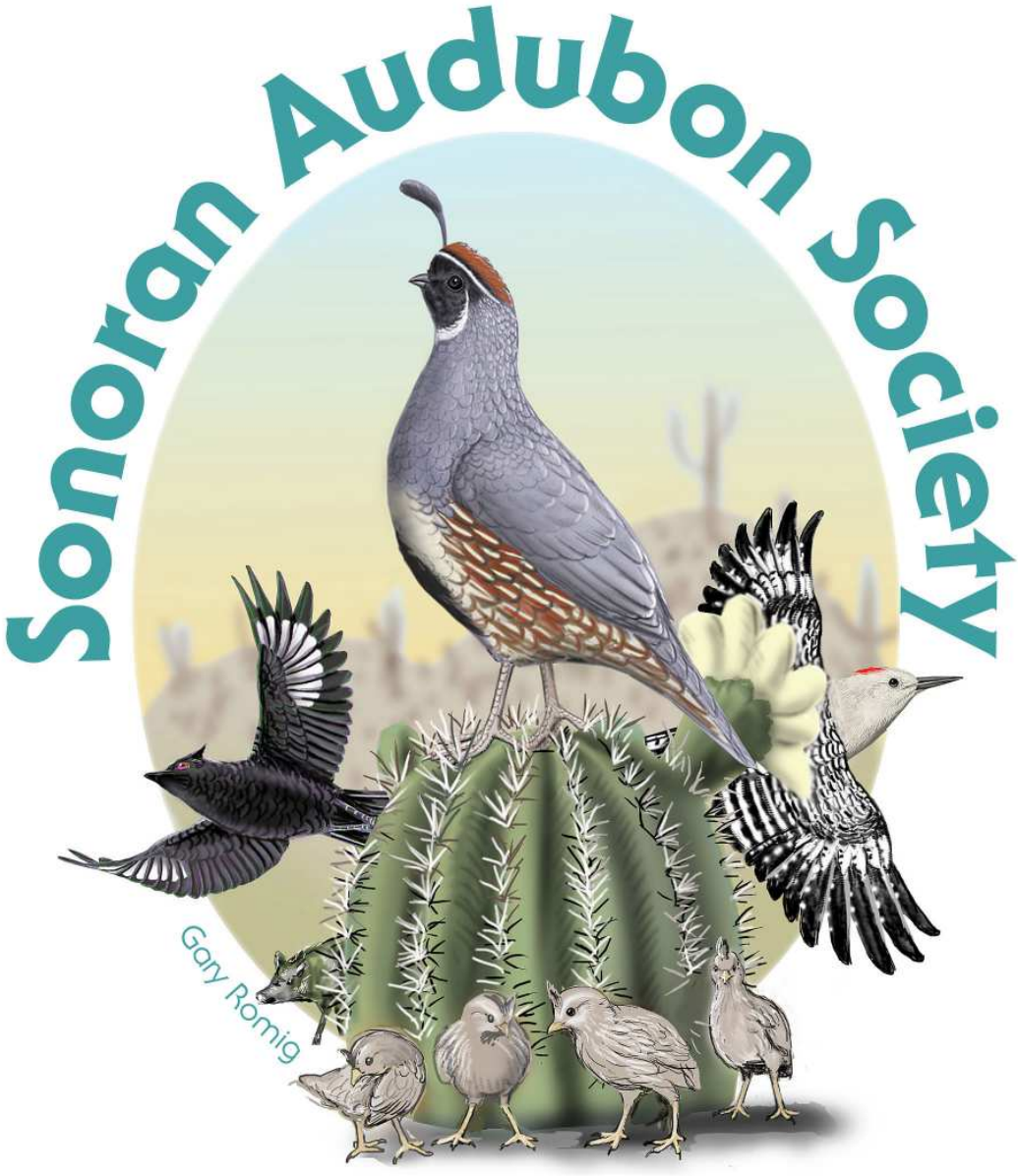
2008 IBA Report



Agua Fria National Monument
&
Salt & Gila River Systems

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Acknowledgments

This report has been compiled entirely from data supplied by citizen scientist volunteers who have spent hundreds of hours in the field recording bird sightings and their behavior.

None of this would have been possible without the dedication of area leaders who organized their teams, scheduled surveys, and compiled pages of paperwork. The following tables recognize those leaders and their teams for their efforts for 2008.

Agua Fria National Monument

Sycamore Creek East	Sycamore Creek West	Horseshoe Ford	Perry Mesa Grasslands
Sam Stearman	Andre Tarby Tice Supplee	Bob McCormick Alison Kocek Tim Flood Richard Kaiser	Charles Richards Loretta Richards Rich Schooler

Salt - Gila

B&M	Robbins Butte	Arlington	Jackie Meck	Tres Rios
Rich Schooler Carol Schooler	Andree Tarby Bud Larkin	No Data	Bob McCormick Anne Durning	Rich Schooler Carol Schooler

Additional credit goes to Scott Wilbur and Tice Supplee who provided guidance on field training and data entry and to Dr. Larry Pierce who created the Microsoft Access Queries that organized the data.

Thanks also go to the various ranchers of the Agua Fria NM that allowed us access to, or across their property

Photos for this report have been supplied by the team members unless otherwise noted. Josh Burns produced the DeLorme survey maps. The Agua Fria National Monument map comes from the Bureau of Land Management. The National Geographic maps were produced by myself for areas not covered by a DeLorme map.

Grant money from Arizona Game and Fish's Arizona Bird Conservation Initiative provided equipment and transportation re-imbursement. This proposal was produced by Karen LaFrance, Josh Burns and Dwayne Fink.

Bob McCormick
President
Sonoran Audubon Society

Sonoran Audubon's 2008 IBA Schedule

If you would like to participate in a count, contact the area leader for the date, time and carpool information. We would love to have your help. Beginners encouraged!

Salt and Gila Rivers IBA - Census Surveys (4 counts)

January (mid-January)
March (mid-March)
April (mid-April)
November (mid-November)

Area Leaders

Tres Rios (Census & Area Search)	Rich Schooler	raschooler@peoplepc.com
Jackie Meck's Lake	Bob McCormick	mcbobaz@aol.com
Arlington WA	Frank Insana	insanas@aol.com
Robbins Butte	Andre Tarby	atarby@cox.net
B&M WA (Area Search)	Rich Schooler	raschooler@peoplepc.com

Agua Fria Riparian IBA – Transects (2 counts)

Late April or Early May
Mid July

Horseshoe Ford	Bob McCormick	mcbobaz@aol.com
Sycamore East	Sam Stearman	No e-mail contact Bob McCormick
Sycamore West	Andre Tarby & Tice Supplee	atarby@cox.net

Agua Fria Riparian IBA – Point counts

Late May
Late August (Grasslands only and optional)

Horseshoe Ford	Bob McCormick	mcbobaz@aol.com
Sycamore East	Sam Stearman	No e-mail contact Bob McCormick
Sycamore West	Andre Tarby & Tice Supplee	atarby@cox.net
Perry Mesa Grasslands	Chuck & Loretta Richards	carichards@nowonline.net

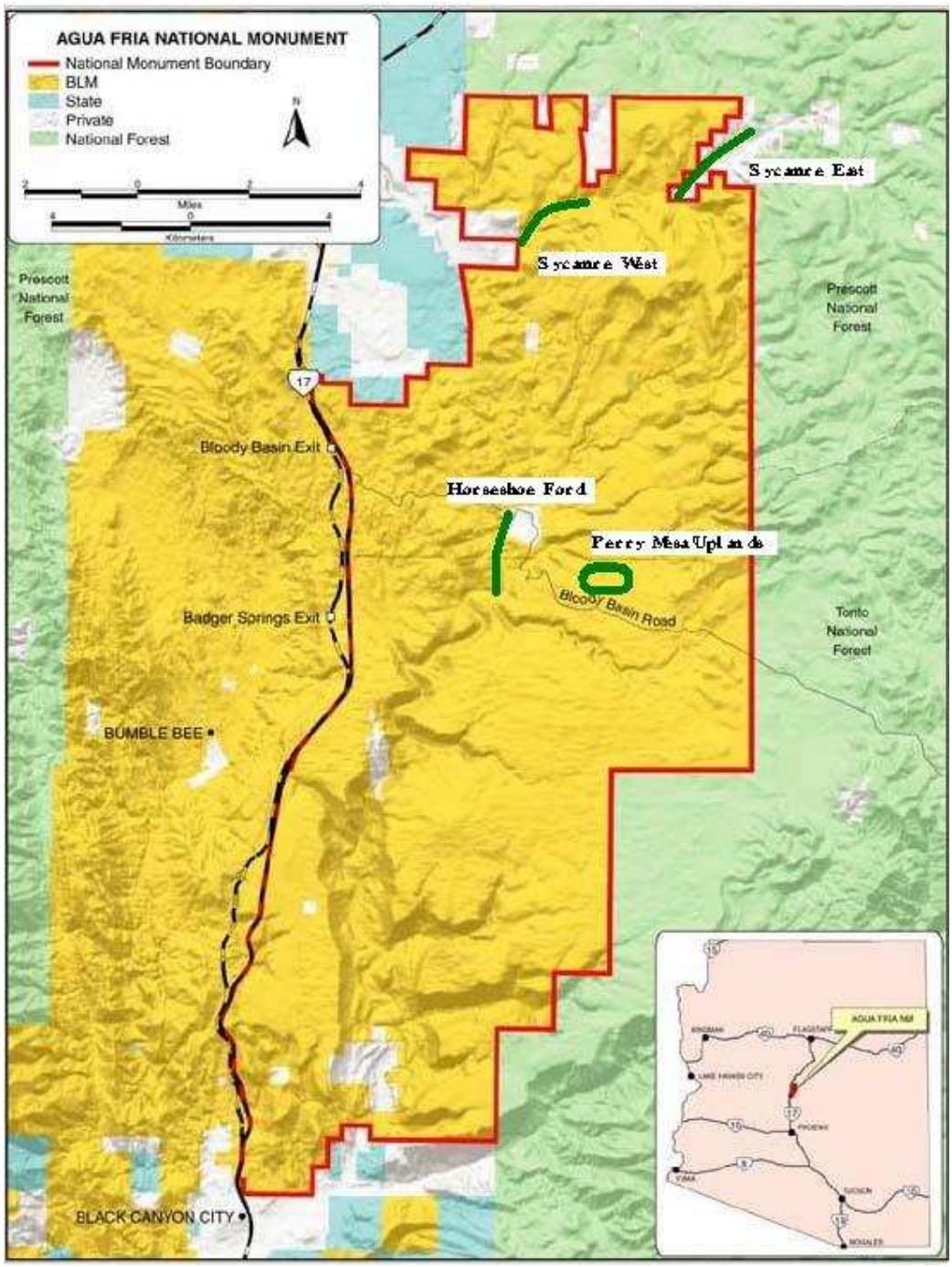
Agua Fria Riparian IBA – Area Searchs

Late April
Late August

Perry Mesa Grasslands (3 sites)Chuck & Loretta Richards carichards@nowonline.net

Agua Fria National Monument

Three transects have been set up in the Agua Fria National Monument. These are the Sycamore East, Sycamore West, and Horseshoe Ford South Transects. In addition, Area Searches and Point Counts have been set up for the grasslands on Perry Mesa.



Bureau of Land Management Map

2008 Agua Fria National Monument
Sonoran Audubon Society IBA Bird Count Hours and miles

Transect: Sycamore Creek East

	Date	Counter	Agency	Hours on Project	Miles
	9/9/2008	Sam Stearman	SAS	7	140
			Total	7	140

Transect: Sycamore Creek West

	Date	Counter	Agency	Hours on Project	Miles
	4/16/2008	Andre Tarby	SAS	9.5	120
		Tice Supplee	AAZ	9.5	120
			Total	19	240

Transect: Horseshoe Ford South

	Date	Counter	Agency	Hours on Project	Miles
	5/11/2008	Bob McCormick	SAS	8	134
		Richard Kaiser	SAS	8	124
		Alison Kocek	Liberty	8	115
		Tim Flood	FAFNM	8	129
	8/3/2008	Bob McCormick	SAS	9	134
		Alison Kocek	Liberty	9	114
		Tim Flood	FAFNM	9	129
			Total	59	879

Area Search: Perry Mesa

	Date	Counter	Agency	Hours on Project	Miles
AS	4/23/2008	Charles Richards	SAS	6.75	120
		Rich Schooler	SAS	6.75	120
PC	5/30/2008	Charles Richards	SAS	6.75	118
		Loretta Richards	SAS	6.75	118
AS	9/3/2008	Charles Richards	SAS	6.75	120
		Rich Schooler	SAS	6.75	120
			Total	40.5	716
		Grand Total for the 4 count areas		**125.5**	**1975**

Notes: 10 different counters made 7 visits
SAS - Sonoran Aud., FAFNM - Friends of Agua Fria NM, AAZ - Aud. Arizona, Liberty Liberty Wildlife, - None

Summary 2008 – Agua Fria National Monument – 130 species since 2006

		Horse shoe Ford			Syc West			Syc East			Perry Mesa AS1			Perry Mesa AS2			Perry Mesa AS3			Perry Mesa PC			
Code	Common Name	2008	2007	2006	2008	2007	2006	2008	2007	2006	2008	2007	2006	2008	2007	2006	2008	2007	2006	2008	2007	2006	Totals
MALL	Mallard	5	13	23	1	2	35	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	82
CITE	Cinimon Teal	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
NOSH	Northern Shoveler	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
?DUC	Unidentified Duck	-	-	13	-	-	-	-	-	-	-		-	-		-	-	-	-	-	-	-	13
GAQU	Gambel's Quail	7	17	144	14	10	24	10	54	-	-	9	-	-	-	-	6	9	-	15	10	-	329
GBHE	Great Blue Heron	-	1	3	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
GRHE	Green Heron	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
TUVU	Turkey Vulture	5	5	7	2	1	1	-	10	-	-	-	-	-	-	-	1	3	-	1	-	-	36
SSHA	Sharp-shinned Hawk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
COHA	Cooper's Hawk	4	3	5	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17
CBHA	Common Black-Hawk	1	1	1	-	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	7
ZTHA	Zone-tailed Hawk	-	-	-	1	2	5	-	2	-	-	-	-	-	-	-	-	2	-	-	-	-	12
RTHA	Red-tailed Hawk	4	6	11	-	1	1	-	1	-	-	1	-	-	-	-	-	-	-	-	3	-	28
GOEA	Golden Eagle	1	1	-	-	-	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	5
?AC	Unidentified Accipiter	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
AMKE	American Kestrel	3	4	5	-	-	-	-	3	-	-	-	-	-	-	-	-	1	-	1	1	-	18
PRFA	Prarie Falcon	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	3
?FAL	Unidentified Falcon	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
KILL	Killdeer	6	3	5	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	15
SPSA	Spotted Sandpiper	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
WISN	Wilson's Snipe	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
WWDO	White-winged Dove	5	1	13	-	5	3	-	6	-	-	8	-	-	1	-	-	3	-	-	-	-	45
MODO	Mourning Dove	99	66	66	6	14	14	7	55	-	16	15	-	17	41	-	10	18	-	45	18	-	507
YBCU	Yellow-billed Cuckoo	2	2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
GRRO	Greater Roadrunner	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	2
BNOW	Barn Owl	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
GROW	Great Horned Owl	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
BLSW	Black Swift	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
WTSW	White-throated Swift	-	-	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33
BCHU	Black-chinned Hummingbird	2	1	-	3	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	8
ANHU	Anna's Hummingbird	5	4	5	-	3	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	19
BTLH	Broad-tailed Hummingbird	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
?HUM	Unidentified Hummingbird	4	5	2	-	-	1	-	1	-	-	1	-	-	-	-	-	-	-	1	-	-	15
BEKI	Belted Kingfisher	-	2	-	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	5
GIWO	Gila Woodpecker	6	13	34	3	6	21	6	20	-	-	-	-	-	-	-	-	-	-	-	-	-	109
WISA	Williamson's Sapsucker	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
RNSA	Red-naped Sapsucker	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
LBWO	Ladder-backed Woodpecker	5	13	13	5	4	6	1	7	-	-	1	-	-	-	-	-	-	-	1	-	-	56
HAWO	Hairy Woodpecker	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
NOFL	Northern Flicker	2	6	18	-	-	-	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	32
WEWP	Western Wood-Pewee	-	2	18	-	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	23
WIFL	Willow Flycatcher	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1
HAFL	Hammond's Flycatcher	-	-	-	-	-	5	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	6
GRFL	Gray Flycatcher	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	1	3	-	-	-	-	6
DUFL	Dusky Flycatcher	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
COFL	Cordilleran Flycatcher	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
CFPF	Unidentified COFL or PSFL * ("Western Flycatcher")	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
?EMP	Unidentified Empidonax	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
BLPH	Black Phoebe	4	18	18	4	2	5	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	57
SAPH	Say's Phoebe	1	2	1	-	-	3	1	1	-	1	-	-	-	-	-	-	-	-	1	-	-	11
VEFL	Vermilion Flycatcher	1	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	3
ATFL	Ash-throated Flycatcher	5	2	8	-	4	9	-	14	-	-	1	-	-	-	-	3	1	-	5	1	-	53
CAKI	Cassin's Kingbird	-	-	-	-	1	7	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	9
WEKI	Western Kingbird	7	4	33	8	7	11	-	9	-	-	14	-	2	3	-	1	-	-	2	3	-	104
LOSR	Loggerhead Shrike	-	-	1	-	-	1	-	-	-	1	4	-	1	1	-	-	3	-	1	-	-	13
BEVI	Bell's Vireo	12	52	16	7	9	8	-	13	-	-	-	-	-	-	-	-	-	-	-	1	-	118
GRVI	Gray Vireo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
PLVI	Plumbeous Vireo	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
PCBV	Unidentified "Solitary" Vireo (PLVI,CAVI,BHVI)	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
HUVI	Hutton's Vireo	-		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
WAVI	Warbling Vireo	-	11	7	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	21
?VIR	Unidentified Vireo	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
STJA	Steller's Jay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
WESJ	Western Scrub-Jay	-	1	-	-	-	-	-	2	-	-	-	-	-	-	-	-	1	-	-	-	-	4
PIJA	Pinyon Jay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1
CORA	Common Raven	3	11	13	-	-	14	1	4	-	-	1	-	1	-	-	5	4	-	1	5	-	63
HOLA	Horned Lark	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	5
TRSW	Tree Swallow	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
VGSW	Vilot-green Swallow	-	-	19	-	7	1	-	20	-	-	6	-	-	6	-	-	-	-	-	-	-	59
NRWS	Northern Rough-winged Swallow	-	2	1	-	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
CLSW	Cliff Swallow	-	-	1	4	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	11
?SWA	Unidentified Swallow	-	-	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	8

BRTI	Bridled Titmouse	-	1	-	-	-	-	1	9	-	-	-	-	-	-	-	-	-	-	-	-	-	11
JUTI	Juniper Titmouse	-	-	-	-	3	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	8
VERD	Verdin	5	26	32	1	4	3	-	4	-	-	-	-	-	-	-	1	2	-	-	-	-	78
BUSH	Bushtit	-	5	23	-	-	13	-	1	-	-	-	-	-	-	-	-	8	-	-	-	-	50
WBNU	White-breasted Nuthatch	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
CACW	Cactus Wren	5	5	13	3	5	5	-	4	-	-	-	-	-	-	-	-	-	-	-	3	-	43
ROWR	Rock Wren	-	6	20	2	-	5	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	39
CANW	Canyon Wren	4	5	4	-	3	10	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27
BEWR	Bewick's Wren	-	5	8	-	4	9	-	2	-	-	-	-	-	-	-	-	4	-	-	-	-	32
HOWR	House Wren	-	10	13	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	24
RCKI	Ruby-crowned Kinglet	-	48	91	-	2	49	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	197
BGGN	Blue-gray Gnatcatcher	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	3
BTGN	Black-tailed Gnatcatcher	-	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
WEBL	Western Bluebird	-	4	21	-	11	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92
TOSO	Townsend's Solitaire	-	4	-	1	5	9	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	21
HETH	Hermit Thrush	-	2	3	-	2	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13
AMRO	American Robin	-	1	-	-	23	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38
NOMO	Northern Mockingbird	1	-	1	-	2	5	-	3	-	1	3	-	-	2	-	1	5	-	39	17	-	80
CBTH	Curve-billed Thrasher	-	1	3	-	-	1	-	-	-	-	1	-	-	-	-	2	-	-	-	1	-	9
EUST	European Starling	-	-	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	8
AMPI	American Pipit	-	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
CEWA	Cedar Waxwing	-	-	-	-	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
PHAI	Phainopepla	18	18	1	-	15	4	2	10	-	-	-	-	-	-	-	-	1	-	3	3	-	75
OCWA	Orange-crowned Warbler	1	5	15	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	1	1	-	25
NAWA	Nashville Warbler	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
VIWA	Virginia Warbler	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
LUWA	Lucy's Warbler	-	1	1	4	3	5	-	8	-	-	-	-	-	-	-	1	-	-	-	-	-	23
YWAR	Yellow Warbler	31	77	68	-	8	2	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	201
YRWA	Yellow-rumped Warbler	1	47	144	3	-	10	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	214
GRWA	Black-throated Gray Warbler	-	5	24	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31
MGWA	Grace's Warbler	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
TOWA	Townsend's Warbler	5	-	14	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
MGWA	MacGillivray's Warbler	-	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
HEWA	Hermit Warbler	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
COYE	Common Yellowthroat	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
WIWA	Wilson's Warbler	4	13	81	-	-	15	-	3	-	-	-	-	-	-	-	-	-	-	-	1	-	117
YBCH	Yellow-breasted Chat	1	1	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
SUTA	Summer Tanager	26	51	39	1	6	9	-	15	-	-	-	-	-	-	-	-	1	-	-	-	-	148
WETA	Western Tanager	-	3	5	-	-	-	-	3	-	-	2	-	-	-	-	-	-	-	-	-	-	13
GTTO	Green-tailed Towhee	-	3	3	-	1	4	1	1	-	-	3	-	-	-	-	-	7	-	-	-	-	23
SPTO	Spotted Towhee	-	5	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
CANT	Canyon Towhee	1	1	2	-	-	-	-	1	-	-	1	-	-	2	-	1	3	-	1	-	-	13
ABTO	Abert's Towhee	7	32	23	1	1	-	-	-	-	-	4	-	-	-	-	-	1	-	-	-	-	69
RCSP	Rufous-crowned Sparrow	-	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	3
CHSP	Chipping Sparrow	-	5	8	3	12	77	-	23	-	2	16	-	-	2	-	-	1	-	-	-	-	149
BRSP	Brewer's Sparrow	-	7	66	8	-	1	1	-	-	45	318	-	48	342	-	1	51	-	-	10	-	898
VESP	Vesper Sparrow	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
LASP	Lark Sparrow	5	3	11	-	-	15	-	2	-	8	32	-	2	12	-	6	-	-	-	1	-	97
BTSP	Black-throated Sparrow	-	20	26	-	-	8	-	12	-	-	30	-	4	22	-	-	12	-	15	47	-	196
LABU	Lark Bunting	-	-	252	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	253
SOSP	Song Sparrow	-	3	9	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	14
LISP	Lincoln's Sparrow	-	4	9	-	3	7	-	7	-	-	5	-	-	-	-	-	-	-	-	-	-	35
WCSP	White-crowned Sparrow	3	34	140	6	9	3	-	4	-	-	105	-	1	165	-	3	107	-	-	-	-	580
DEJU	Dark-eyed Junco	-	18	8	-	15	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52
NOCA	Northern Cardinal	6	19	9	3	8	12	2	17	-	-	-	-	-	-	-	-	2	-	-	-	-	78
BHGR	Black-headed Grosbeak	3	1	5	-	-	-	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	18
BLGR	Blue Grosbeak	42	41	8	-	1	1	5	4	-	-	-	-	-	-	-	-	-	-	-	-	-	102
LAZB	Lazuli Bunting	5	6	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
WEME	Western Meadowlark	-	41	-	-	-	-	-	-	-	4	11	-	1	6	-	-	3	-	4	-	-	70
?MEA	Unidentified Meadow Lark	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	3
BROC	Bronzed Cowbird	-	-	2	-	-	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	5
BHCO	Brown-headed Cowbird	7	10	19	-	2	2	-	1	-	-	-	-	-	-	-	2	2	-	-	-	-	45
ORCR	Orchard Oriole	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
HOOR	Hooded Oriole	-	2	3	-	2	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13
BUOR	Bullock's Oriole	-	1	1	1	4	1	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	10
SCOR	Scott's Oriole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1
?ORI	Unidentified Oriole	-	-	1	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	1	-	4
HOFI	House Finch	14	26	150	5	2	3	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	229
LEGO	Lesser Goldfinch	55	154	132	14	11	38	13	42	-	-	-	-	-	-	-	-	-	-	-	-	-	459
BTJA	Black-tailed Jack Rabbit*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1
COTT	Cottontail Species*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1
MUDE	Mule Deer	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1

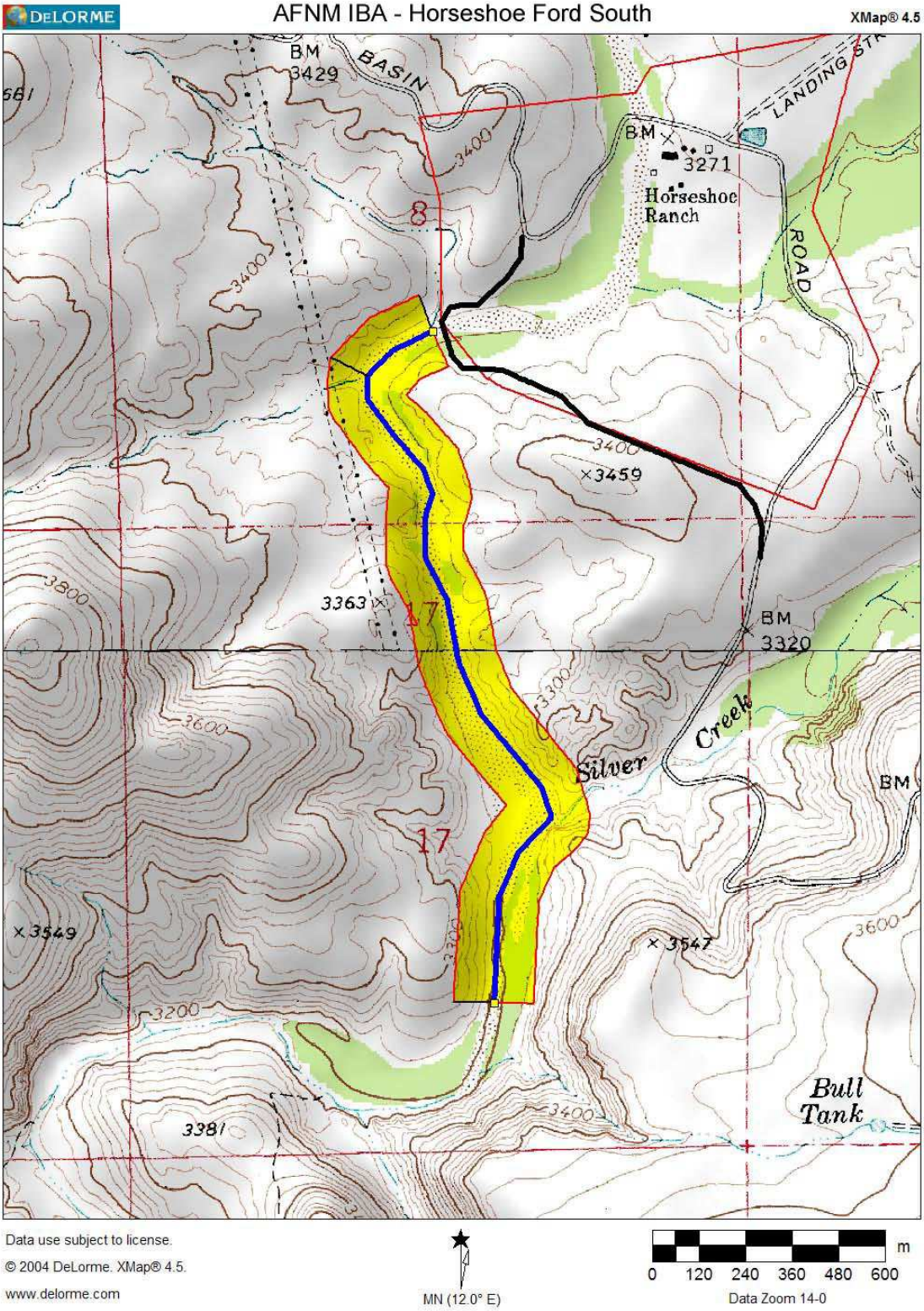
Agua Fria National Monument - Horseshoe Ford South
by Bob McCormick

This TRANSECT Survey is located along the Agua Fria River South of where Bloody Basin Road crosses the river. It is located approximately five miles East of I-17 down a very good dirt road and about 50 miles North of Phoenix. The transect runs south along the river 2 Kilometers to a point a few hundred yards past where Silver Creek enters the Agua Fria River. The river has about the same amount of water in it all year except for very dry periods where only a few stretches still run. The average flow appears to be around 5 cfs but can be inaccessible after heavy rains. The river contains an amazing variety of trees. Huge Hackberry, Willow, Cottonwood, Ash, Walnut, Juniper, Sycamore, Mesquite, and others are all in close proximity.

Horseshoe Ranch has removed the cattle from the river and the results are amazing. In the last two years the trees are really starting to get big, especially south of where Silver Creek dumps in. The biggest threat now is ATC use in the river bottom. Every visit has fresh tracks.

This transect is one of the best places to bird watch close to phoenix. It has easy access and an incredible variety of birds. The most amazing thing about this area is the difference in birds species from Season to season. Golden Eagle, Common Black Hawk, Falcons, Bluebirds, Various Sparrows, Titmice, and unusual Woodpeckers are seen in the winter. Tanagers, Cuckoos, Buntings, Grosbeaks, and Orioles all nest here in the summer. Spring migration can be spectacular.

Mid point looking South – Cattle have been removed now for two years – note heavy vegetation growth along banks – Photo taken 8-3-2008



Points are yellow boxes on map

North (at Horseshoe Ford) End
UTM: 12S 0402061E 3791009N LatLon: N34.25739° W112.06443°

South (near Baby Canyon) End

UTM: 12S 0402202E 3789287N LatLon: N34.24187° W112.06270°

Horseshoe Ford South Transect 2008 - 51 species (110 total species since 2005)

Code	Common Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals	2007	2006	2005
MALL	**Mallard**					5(3)								5	13	23	0
CITE	Cinimon Teal													0	1	0	0
?DUC	Unidentified Duck													0	0	13	0
GAQU	**Gambel's Quail**					4			3(2)					7	17	144	38
GBHE	Great Blue Heron													0	1	2	3
GRHE	Green Heron													0	1	2	1
TUVU	**Turkey Vulture**					4			1					5	5	7	1
COHA	**Cooper's Hawk**								4(3)					4	3	5	0
CBHA	**Common Black-Hawk**								1					1	1	1	1
RTHA	**Red-tailed Hawk**					2			2(2)					4	6	11	1
GOEA	**Golden Eagle**								1					1	1	0	0
?AC	**Unidentified Accipiter***								1					1	0	0	0
AMKE	**American Kestrel**					1			2(2)					3	4	5	3
PRFA	**Prarie Falcon**								1					1	1	0	0
?FAL	**Unidentified Falcon***								1					1	0	0	0
KILL	**Killdeer**					6(5)								6	3	5	0
WISN	Wilson's Snipe													0	2	0	0
WWDO	**White-winged Dove**					4			1					5	1	13	2
MODO	**Mourning Dove**					69(13)			30(8)					99	66	66	37
YBCU	**Yellow-billed Cuckoo**								2(2)					2	2	5	3
GRRO	Greater Roadrunner													0	0	1	0
BNOW	Barn Owl													0	0	1	0
GHOW	**Great Horned Owl**					1			3(2)					4	0	0	1
WTSW	White-throated Swift													0	0	33	0
BCHU	**Black-chinned Hummingbird**					1			1					2	1	0	0
ANHU	**Anna's Hummingbird**					5(3)								5	4	5	5
?HUM	**Unidentified Hummingbird**					3(3)			1					4	5	2	0
BEKI	Belted Kingfisher													0	2	0	0
GIWO	**Gila Woodpecker**					5(5)			1					6	13	34	5
RNSA	Red-naped Sapsucker													0	0	1	0
WISA	*Williamson's Sapsucker (Y)*													0	1	0	0
LBWO	**Ladder-backed Woodpecker**					2(2)			3(3)					5	13	13	4
HAWO	Hairy Woodpecker													0	1	0	0
NOFL	**Northern Flicker**								2(2)					2	6	18	1
WEWP	Western Wood-Pewee													0	2	18	0
GRFL	Gray Flycatcher													0	0	1	0
CFPF	**Unidentified COFL or PSFL * ("Western Flycatcher")**								1					1	0	0	0
?EMP	Unidentified Empidonax													0	0	8	9
BLPH	**Black Phoebe**								4(3)					4	18	18	15
SAPH	**Say's Phoebe**								1					1	2	1	0
VEFL	**Vermilion Flycatcher**					1								1	1	0	0
ATFL	**Ash-throated Flycatcher**					5(3)								5	2	8	16
WEKI	**Western Kingbird**					6(6)			1					7	4	33	2
LOSH	Loggerhead Shrike													0	0	1	0
BEVI	***Bell's Vireo (R)***					8(7)			4(4)					12	52	16	25
PLVI	Plumbeous Vireo													0	2	0	0
PCBV	Unidentified "Solitary" Vireo (PLVI,CAVI,BHVI)													0	3	0	0
HUVI	Hutton's Vireo													0	0	2	0
WAVI	Warbling Vireo													0	11	7	1
?VIR	**Unidentified Vireo**					3(2)								3	0	0	1
WESJ	Western Scrub-Jay													0	1	0	2
CORA	**Common Raven**					2(2)			1					3	11	13	0
VGSW	Violet-green Swallow													0	0	19	0
NRWS	Northern Rough-winged Swallow													0	2	1	0
CLSW	Cliff Swallow													0	0	1	0
BRTI	Bridled Titmouse													0	1	0	0
VERD	**Verdin**					3(3)			2(2)					5	26	32	6
BUSH	Bushtit													0	5	23	0
WBNU	White-breasted Nuthatch													0	3	0	0
CACW	**Cactus Wren**					2(2)			4(4)					6	5	13	1
ROWR	Rock Wren													0	6	20	2
CANW	**Canyon Wren**					2(2)			2(2)					4	5	4	4
BEWR	Bewick's Wren													0	5	8	5

HOWR	House Wren								0	10	13	0
RCKI	Ruby-crowned Kinglet								0	48	91	0
BGGN	**Blue-Gray Gnatcatcher***				2(2)				2	0	0	0
BTGN	Black-tailed Gnatcatcher								0	3	2	0
WEBL	Western Bluebird								0	4	21	0
TOSO	Townsend's Solitaire								0	4	0	0
HETH	Hermit Thrush								0	2	3	0
AMRO	American Robin								0	1	0	0
NOMO	**Northern Mockingbird**			1					1	0	1	7
CBTH	Curve-billed Thrasher								0	1	3	1
CRTH	Crissal Thrasher								0	0	0	1
EUST	European Starling								0	0	0	0
AMPI	American Pipit								0	1	3	0
PHAI	**Phainopepla**			16(9)	2(2)				18	18	1	0
OCWA	Orange-crowned Warbler				1				1	5	15	0
LUWA	*Lucy's Warbler (Y)*								0	1	1	6
YWAR	**Yellow Warbler**			25(9)	6(6)				31	77	68	11
YRWA	**Yellow-rumped Warbler**			1					1	47	144	0
BTYW	Black-throated Gray Warbler								0	5	24	0
MGWA	MacGillivray's Warbler								0	2	0	0
TOWA	**Townsend's Warbler**			5(2)					5	0	14	0
HEWA	Hermit Warbler								0	0	2	0
COYE	Common Yellowthroat								0	0	4	3
WIWA	**Wilson's Warbler**			4(4)					4	13	81	0
YBCH	**Yellow-breasted Chat**			1					1	1	7	0
SUTA	**Summer Tanager**			17(10)	9(7)				26	51	39	23
WETA	Western Tanager								0	3	5	1
?TAN	Unidentified Tanager								0	0	0	1
GTTO	Green-tailed Towhee								0	3	3	0
SPTO	Spotted Towhee								0	5	3	0
CANT	**Canyon Towhee**				1				1	1	2	1
ABTO	***Abert's Towhee (Y)***			1	6(4)				7	32	23	5
RCSP	Rufous-crowned Sparrow								0	0	2	0
CHSP	Chipping Sparrow								0	5	8	0
BRSP	*Brewer's Sparrow (Y)*								0	7	66	0
VESP	Vesper Sparrow								0	1	0	0
LASP	**Lark Sparrow**			5					5	3	11	0
BTSP	Black-throated Sparrow								0	20	26	2
SOSP	Song Sparrow								0	3	252	0
LISP	Lincoln's Sparrow								0	4	9	0
WCSP	**White-crowned Sparrow**			3(2)					3	34	140	0
DEJU	Dark-eyed Junco								0	18	8	0
NOCA	**Northern Cardinal**			4(4)	2(2)				6	19	9	13
BHGR	**Black-headed Grosbeak**			3(3)					3	1	5	0
BLGR	**Blue Grosbeak**			5(4)	37(13)				42	41	8	9
LAZB	**Lazuli Bunting**			2	3(2)				5	6	2	0
WEME	Western Meadowlark								0	41	0	0
BROC	Bronzed Cowbird								0	0	2	0
BHCO	**Brown-headed Cowbird**			6(6)	1				7	10	19	15
OROR	Orchard Oriole								0	2	0	0
HOOR	Hooded Oriole								0	2	3	0
BUOR	Bullock's Oriole								0	1	1	1
SCOR	Scott's Oriole								0	0	0	12
?ORI	Unidentified Oriole				2				2	0	1	0
HOFI	**House Finch**			7(3)	7(5)				14	26	150	3
LEGO	**Lesser Goldfinch**			25(11)	30(8)				55	154	132	17

Notes: Bold indicates species observed this year. Italicized indicates watch list species (Level Red or Yellow). Shades indicate general temperature ranges.* New this year Notes: First number is total # of birds seen, number in ( ) how many times species was observed. ex 3(3) = 3 singles , 8(1) = flock of 8

Data sets

7424	5/11/2008	AGF_HFT
7425	8/3/2008	AGF_HFT
7427	5/11/2008	AGF_SUP
7430	8/3/2008	AGF_SUP

3588	1/27/2007	AGF_HFT

3590	4/1/2007	AGF_HFT
3592	4/29/2007	AGF_HFT
2806	7/26/2007	AGF_HFT
3596	8/12/2007	AGF_HFT
3638	9/9/2007	AGF_HFT
3589	1/27/2007	AGF_SUP
3591	4/1/2007	AGF_SUP
3636	4/29/2007	AGF_SUP
3637	8/12/2007	AGF_SUP
3639	9/9/2007	AGF_SUP
5921	1/29/2006	AGF_HFT
5923	4/3/2006	AGF_HFT
5922	4/22/2006	AGF_HFT
5924	5/7/2006	AGF_HFT
5925	7/6/2006	AGF_HFT
5926	10/1/2006	AGF_HFT
5920	7/16/2005	AGF_HFT

Point counts (AGF_HFCPC1, 2, &3) were conducted 7/26/2007 but are not included in this table.

Agua Fria National Monument - Sycamore Canyon West
by Chuck and Loretta Richards

This transect is located on Sycamore Creek at the point where EZ Ranch property ends and AFNM property begins. The transect is 100 meters wide and runs North East for 2 kilometers of the AFNM. Transect access is through the EZ Ranch with prior approval of the property owner Mr. Lester Smith. The number to call for approval is 928-632-7106.

From Cordes Junction, drive east on Stage Coach Trail, then south on Red Rock Lane and east on Quail Run Dr and then follow the signs to EZ Ranch. At the ranch, pass by the ranch house and through the gate at the right rear of the house. Close all gates behind you. Proceed on the ranch road to the gate on the AFNM line. Park to the left and proceed on foot through a fence access just to the right of the gate. Go down hill to Sycamore creek which is the beginning of the transect. Proceed up stream.

Sycamore Canyon is mainly riparian. Initially along the right as you move upstream there are cliffs. To the left, there is floodplain with Pine/Juniper further left and then cliffs. This terrain shifts back and forth as you move up along the stream. Above the creek beds on top of the banks are cattle paths. This area is leased for grazing to EZ Ranch. Young willow saplings are noticeably absent in this area because of the cattle grazing.

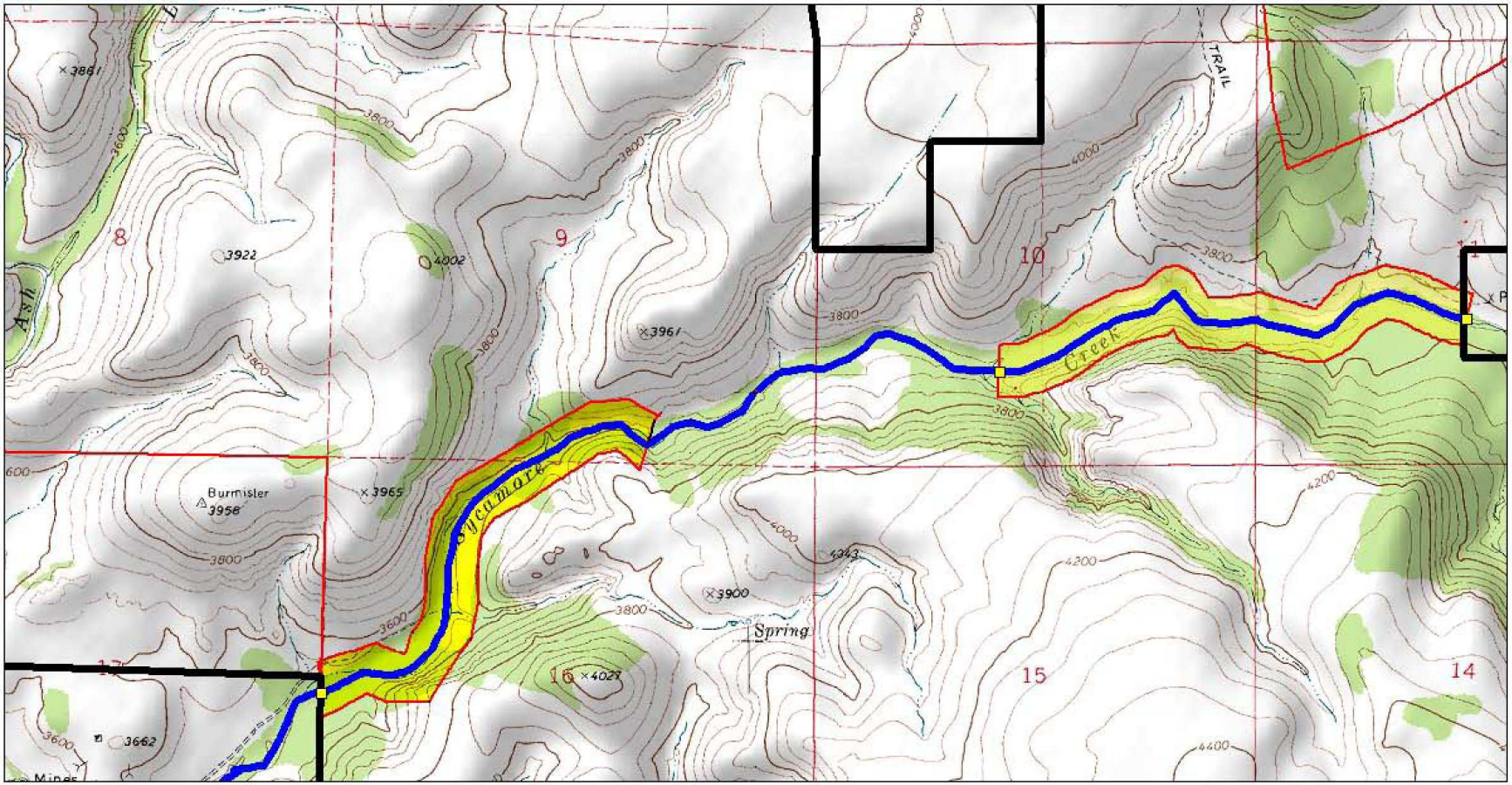
Because of the direction of travel (Northeast) the sun rise to the right somewhat impairs vision. This occurs more as the morning progresses. Rain can flood the creek bed forcing the walking to the cattle trails or bushwhacking. This limits visibility.

Midpoint looking downstream – photo taken in 2006

AFNM IBA - Sycamore Creek

DeLORME

XMap® 4.5



Data use subject to license.

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MN (12.0° E)

0 200 400 600 800 1000 1200 1400 m

Data Zoom 13-0

Sycamore West Transect 2008 - 30 species (80 species since 2006)

Code	Common Name	Jan	Feb 9	Mar	Apr	May 11	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals	2007	2006
MALL	**Mallard**				1									1	2	35
GAQU	**Gambel's Quail**				14(2)									14	10	24
GBHE	Great Blue Heron													0	1	1
TUVU	**Turkey Vulture**				2									2	1	1
CoHA	Cooper's Hawk													0	0	5
CBHA	Common Black-Hawk													0	1	1
ZTHA	**Zone-tailed Hawk**				1									1	2	5
RTHA	Red-tailed Hawk													0	2	1
GOEA	Golden Eagle													0	0	1
SPSA	Spotted Sandpiper													0	0	1
WWDO	White-winged Dove													0	5	3
MODO	**Mourning Dove**				6(3)									6	14	14
BCHU	**Black-chinned Hummingbird**				3(2)									3	1	0
ANHU	Anna's Hummingbird													0	3	0
BTLH	Broad-tailed Hummingbird													0	0	1
?HUM	Unidentified Hummingbird													0	0	1
BEKI	Belted Kingfisher													0	1	1
GIWO	**Gila Woodpecker**				3(1)									3	6	21
LBWO	**Ladder-backed Woodpecker**				5(2)									5	4	6
DUFL	Dusky Flycatcher													0	1	0
WEWP	Western Wood-Pewee													0	0	2
HAFL	Hammond's Flycatcher													0	0	5
GRFL	Gray Flycatcher													0	0	1
COFL	Cordilleran Flycatcher													0	0	2
BLPH	**Black Phoebe**				4(2)									4	2	5
SAPH	Say's Phoebe													0	0	3
ATFL	Ash-throated Flycatcher													0	4	9
CAKI	Cassin's Kingbird													0	1	7
WEKI	**Western Kingbird**				8(4)									8	7	11
?TYR	Unidentified Tyrannus sp. (Kingbirds & STFL)													0	0	1
LOSH	Loggerhead Shrike													0	0	1
BEVI	***Bell's Vireo (Y)***				7(6)									7	9	8
GRVI	*Gray Vireo (Y)*													0	0	1
PLVI	Plumbeous Vireo													0	1	0
?VIR	**Unidentified Vireo***				1									1	0	0
CORA	Common Raven													0	0	14
?RAV	Unidentified Raven													0	0	1
TRES	**Tree Swallow***				1									1	0	0
VGSW	Violet-green Swallow													0	7	1
NRWS	Northern Rough-winged Swallow													0	2	3
CLSW	**Cliff Swallow***				4									4	0	0
?SWA	Unidentified Swallow													0	0	0
JUTI	Juniper Titmouse													0	3	3
VERD	**Verdin**				1									1	4	3
BUSH	Bushtit													0	0	13
CACW	**Cactus Wren**				3(3)									3	5	5
CANW	Canyon Wren													0	3	10
ROWR	**Rock Wren**				2									2	0	5
BEWR	Bewick's Wren													0	4	9
RCKI	Ruby-crowned Kinglet													0	2	49
WEBL	Western Bluebird													0	11	56
TOSO	**Townsend's Solitaire**				1									1	5	9
HETH	Hermit Thrush													0	2	6

AMRO	American Robin	0	23	14
NOMO	Northern Mockingbird	0	2	5
CBTH	Curve-billed Thrasher	0	0	1
CEDW	Cedar Waxwing	0	0	10
PHAI	Phainopepla	0	15	4
OCWA	Orange-crowned Warbler	0	1	0
NAWA	Nashville Warbler	0	0	1
VIWA	*Virginia Warbler (Y)*	0	0	2
LUWA	***Lucy's Warbler (Y)***	4(4)	4	3	5
YWAR	Yellow Warbler	0	8	2
YRWA	**Yellow-rumped Warbler**	3	3	0	10
BTYW	Black-throated Gray Warbler	0	0	2
TOWA	Townsend's Warbler	0	0	2
GRWA	***Grace's Warbler (Y)****	1	1	0	0
NGWA	MacGillivary's Warbler	0	0	1
WIWA	Wilson's Warbler	0	0	15
SUTA	**Summer Tanager**	1	6	9
GTTO	Green-tailed Towhee	0	1	4
SPTO	**Spotted Towhee**	2(2)	2	1	0
ABTO	***Abert's Towhee (Y)***	1	1	1	0
CHSP	**Chipping Sparrow**	3	12	77
BRSP	***Brewer's Sparrow (Y)***	8	0	1
LASP	Lark Sparrow	0	0	15
BTSP	Black-throated Sparrow	0	0	8
LISP	Lincoln's Sparrow	0	3	7
WCSP	**White-crowned Sparrow**	6(2)	6	9	3
DEJU	Dark-eyed Junco	0	15	11
NOCA	**Northern Cardinal**	3(3)	3	8	12
BLGR	Blue Grosbeak	0	1	1
LAZB	Lazuli Bunting	0	2	0
BROC	Bronzed Cowbird	0	0	1
BHCO	Brown-headed Cowbird	0	2	2
HOOR	Hooded Oriole	0	2	6
BUOR	**Bullock's Oriole**	1	1	4	1
HOFI	**House Finch**	5(2)	5	2	3
LEGO	**Lesser Goldfinch**	14(4)	14	11	38
JAVE	**Javelina***	8	8	0	0

Notes: Bold indicates species observed this year. Italicized indicates watch list species (Level Red or Yellow). Shades indicate general temperature ranges. * New this year Notes: First number is total # of birds seen, number in ( ) how many times species was observed. ex 3(3) = 3 singles , 8(1) = flock of 8

Data sets

3730	4/16/2008	AGF_SWT
3726	2/9/2007	AGF_SWT
3587	5/11/2007	AGF_SWT
5919	1/10/2006	AGF_SWT
5918	3/7/2006	AGF_SWT
5917	4/27/2006	AGF_SWT
5916	5/9/2006	AGF_SWT

Point counts (AGF_SWTPC1, 2, & 3) were conducted 5/11/2007 but are not included in this table.

Agua Fria National Monument - Sycamore Canyon East
by Bob McCormick

This TRANSECT is located on private property on Sycamore Creek south of the small community of Dugas. It is located approximately 7 miles down Dugas Road which is located about 60 miles North of Phoenix or about 8 miles North of Cortes Lakes. The transect runs from Burt Tesky's property south along the creek 2 Kilometers to a point a few hundred yards past the summer home of Bill Willey. This transect can be done along the access road with short excursions off to the better habitats. The river has about the same amount of water in it all year. The average flow appears to be less than 5 cfs but can be much higher after heavy rains. This portion of Sycamore Creek is different from the rest of the Agua Fria National Monument as it contains a large variety of riparian trees surrounded by Juniper forest as opposed to Desert Scrub bordering the riparian areas over most of the rest of the Monument.

Cattle are run in small numbers along with the occasional friendly horse. A few small pastures are present between the sloping hillsides and the rocky creek bottom. The riparian area's trees sometimes fill the valley completely but usually only border the creek.

Large numbers of Dark-eyed Juncos and Robins are seen here in the winter along with many species of Wrens. This area is also known for the abundance of Zone-tailed Hawk nests. These birds are always seen here from Spring to Fall. Sparrows are seen in large numbers of individuals as well as species. Golden Eagles are also common at this site. Sonoran Mud Turtles have also been seen at this site.

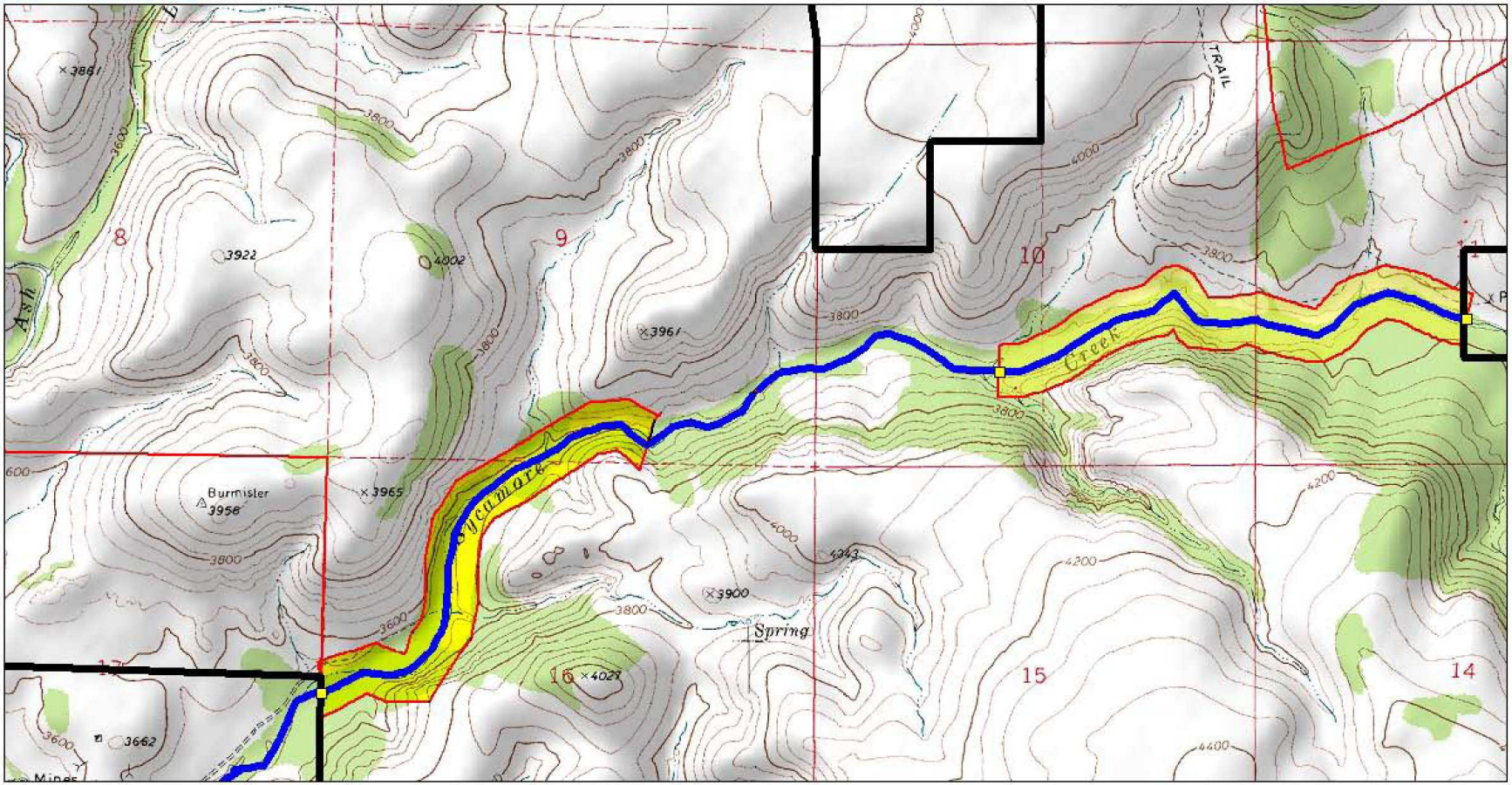
Attempts at subdividing the Willey property as of this time have come to naught.

Mid-point looking North – photo taken in 2006

AFNM IBA - Sycamore Creek

DeLORME

XMap® 4.5



Data use subject to license.

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www.delorme.com

MN (12.0° E)

0 200 400 600 800 1000 1200 1400 m

Data Zoom 13-0

Sycamore East Transect 2008 - 19 species (67 species since 2007)

Code	Common Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals	2007	2006
MALL	Mallard													0	3	0
GAQU	**Gambel's Quail**									10				10	54	0
TUVU	Turkey Vulture													0	10	0
ZTHA	Zone-tailed Hawk													0	1	0
CBHA	**Common Black-Hawk**									1				1	2	0
RTHA	Red-tailed Hawk													0	2	0
GOEA	Golden Eagle													0	2	0
AMKE	American Kestrel													0	3	0
KILL	Killdeer													0	1	0
WWDO	White-winged Dove													0	6	0
MODO	**Mourning Dove**									7(4)				7	55	0
ANHU	Anna's Hummingbird													0	2	0
?HUM	Unidentified Hummingbird													0	1	0
BEKI	Belted Kingfisher													0	1	0
GIWO	**Gila Woodpecker**									6(6)				6	20	0
LBWO	**Ladder-backed Woodpecker**									1				1	7	0
NOFL	**Northern Flicker**									1				1	5	0
WEWP	Western Wood-Pewee													0	1	0
WIFL	*Willow Flycatcher (Y)*													0	1	0
HAFL	Hammond's Flycatcher													0	1	0
BLPH	**Black Phoebe**									1				1	5	0
SAPH	**Say's Phoebe**									1				1	1	0
VEFL	Vermilion Flycatcher													0	1	0
ATFL	Ash-throated Flycatcher													0	14	0
WEKI	Western Kingbird													0	9	0
BEVI	*Bell's Vireo (R)*													0	13	0
WAVI	Warbling Vireo													0	3	0
WESJ	Western Scrub-Jay													0	2	0
CORA	**Common Raven**									1				1	4	0
VGSW	Violet-green Swallow													0	20	0
CLSW	Cliff Swallow													0	6	0
?SWA	Unidentified Swallow													0	8	0
BRTI	**Bridled Titmouse**									1				1	9	0
JUTI	**Juniper Titmouse**									1				1	1	0
VERD	Verdin													0	4	0
BUSH	Bushtit													0	1	0
CACW	Cactus Wren													0	4	0
ROWR	**Rock Wren**									1				1	5	0
CAWR	**Canyon Wren***									1				1	0	0
BEWR	Bewick's Wren													0	2	0
RCKI	Ruby-crowned Kinglet													0	7	0
TOSO	Townsend's Solitaire													0	2	0
NOMO	Northern Mockingbird													0	3	0
EUST	European Starling													0	8	0
PHAI	**Phainopepla**									2				2	10	0
OCWA	Orange-crowned Warbler													0	1	0
LUWA	*Lucy's Warbler (Y)*													0	8	0
YWAR	Yellow Warbler													0	15	0
YRWA	Yellow-rumped Warbler													0	9	0
WIWA	Wilson's Warbler													0	3	0
SUTA	Summer Tanager													0	15	0
WETA	Western Tanager													0	3	0
GTTO	**Green-tailed Towhee**									1				1	1	0
CANT	Canyon Towhee													0	1	0
RCSP	Rufous-crowned Sparrow													0	1	0
CHSP	Chipping Sparrow													0	23	0
BRSP	***Brewer's Sparrow (Y)****									1				1	0	0
LASP	Lark Sparrow													0	2	0
BTSP	Black-throated Sparrow													0	12	0

LISP	Lincoln's Sparrow													0	7	0
WCSP	White-crowned Sparrow													0	4	0
NOCA	**Northern Cardinal**									2(2)				2	17	0
BHGR	Black-headed Grosbeak													0	9	0
BLGR	**Blue Grosbeak**									5(2)				5	4	0
BROC	Bronzed Cowbird													0	2	0
BHCO	Brown-headed Cowbird													0	1	0
BUOR	Bullock's Oriole													0	1	0
?ORI	Unidentified Oriole													0	2	0
HOFI	House Finch													0	29	0
LEGO	**Lesser Goldfinch**									13(3)				13	42	0
MUDE	Mule Deer													0	1	0

Notes: Bold indicates species observed this year. Italicized indicates watch list species (Level Red or Yellow). Shades indicate general temperature ranges.* New this year Notes: First number is total # of birds seen, number in ( ) how many times species was observed. ex 3(3) = 3 singles , 8(1) = flock of 8

Data sets
6428 9/9/2008AGF_SET

2865 4/14/2007 AGF_SET
3568 5/17/2007 AGF_SET
3572 8/18/2007 AGF_SET
3586 9/15/2007 AGF_SET

Area Searches were conducted 4/23/05, 5/14/05, 7/31/05, 9/17/05, 10/1/05 but that data is not included in this table.

Agua Fria National Monument - Perry Mesa Uplands
by Tice Supplee

This AREA SEARCH Survey is established at three one quarter hectare square plots. Two plots are located on the north and south sides of Bloody Basin Road at Double Tanks. The third plot is located at the junction of Bloody Basin Road and road 140 and straddles the fence with the Tonto National Forest. Access to these plots is from I-17 Exit 259, Bloody Basin Road. Proceed east and south past Horseshoe Ranch and cross the Agua Fria River. Proceed east up the hill and at the cattle guard is the spot to park and the Perry Mesa grasslands plots are on the north and south side of the road. Access to these plots is dependent upon road conditions. High water closes the access at Horseshoe Ford. The road 140 plot is not accessible during severe wet conditions. The road is best suited for a high clearance vehicle, although passable with a sedan in dry conditions.
At the north edge of the north plot are Double Tanks. These two plots are Tobosa grasslands with acacia shrubs interspersed. The pasture is called "Double Tanks" and is lightly grazed by cattle. A few pronghorn antelope are often observed when conducting these plots. The Perry Mesa plot on the south side of Bloody Basin Road had Cassin's Sparrows skylarking in August of 2005, a year with good moisture in early summer. August 2006 Area Search yielded no Cassin's Sparrows.

Continue east on the Bloody Basin road to road 140 and park after making the turn and driving down the hill. The plot straddles the road and the vegetation includes a small desert hackberry woodland that burned in a 2005 fire. The remainder of the plot has a wash that runs through with hackberry and juniper. The slopes are tobosa grass, juniper, acacia and a small stand of turbinella oak on the south edge of the plot on the slopes above the wash. The site overall can best be described as xeric desert wash with juniper grasslands and chaparral and desert scrub upland. This diverse ecotone site is a migrant trap in the spring. Spring 2006 surveys at the road 140 plot were most notable for the diversity of migrant warblers gleaning from the flowering acacia and mesquite.

These three plots have been surveyed with teams of three to four individuals walking parallel within verbal communication distance to reduce chances of a double count and covering the plot in two sweeps. Each plot can be run in this manner in approximately one hour survey time each.

Perry Mesa One Corner point coordinates NAD27 UTM:
1: 34. 236610°/ -112.037142°
2: 34.232180°/ -112.03763°
3: 34. 230230°/ -112.032030°
4: 34. 234880°/ -112.032200°

Perry Mesa Two (Double Tanks) Corner point coordinates NAD27 UTM:
1: 34. 235900°/ -112.030210°
2: 34. 240190°/ -112.029170°
3: 34. 240110°/ -112.023730°
4: 34. 233780°/ -112.023540°

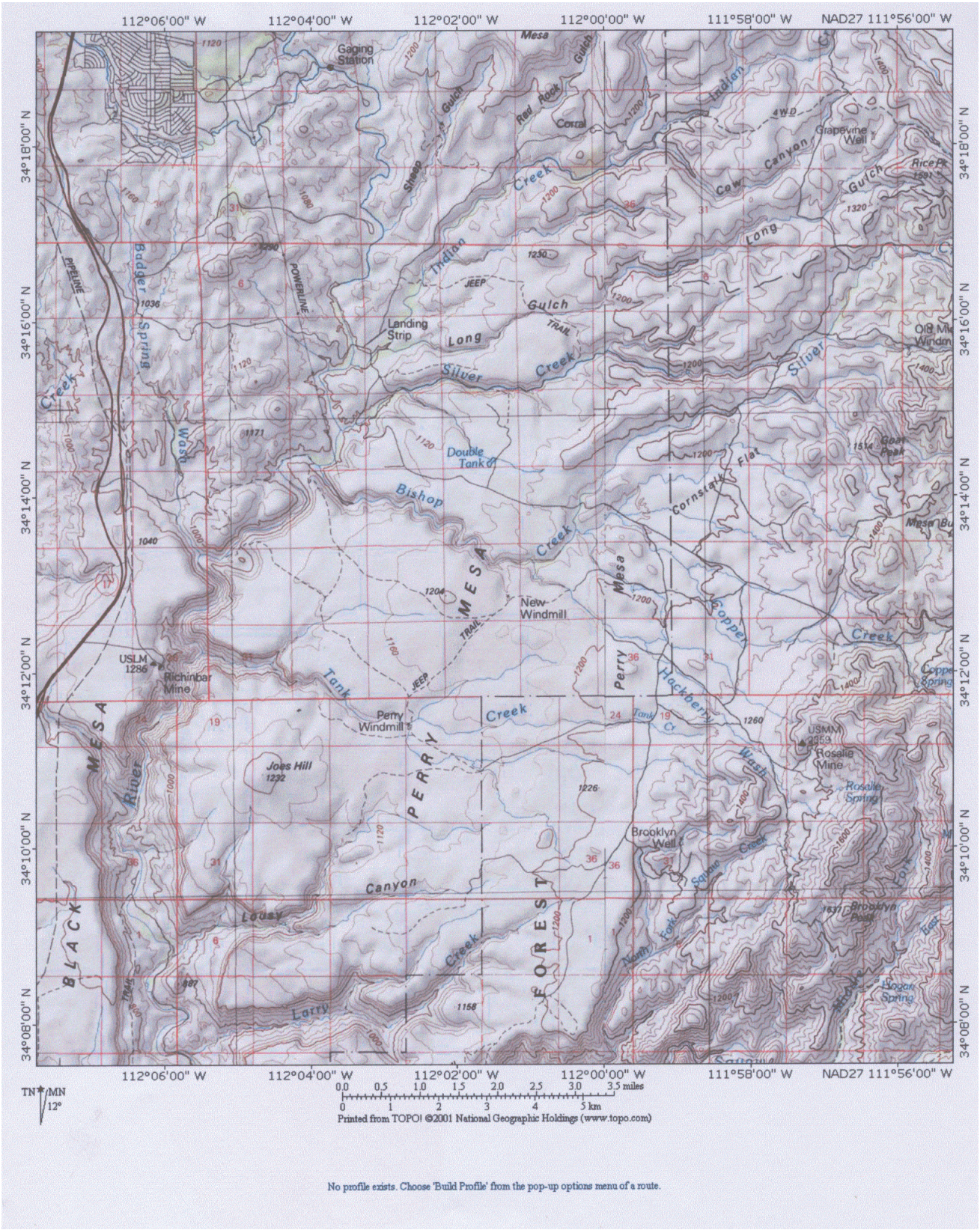
Perry Mesa Three Corner point coordinates NAD27 UTM:
1: 34. 225190°/ -112.990620°
2: 34. 220480°/ -112.988590°
3: 34. 220380°/ -112.983450°
4: 34. 224280°/ -112.984380°

Point Count Coordinates

Database record	Point number	Coordinates	
AGF_PMPC1	68	403607	3789105
AGF_PMPC2	69	403827	3788845
AGF_PMPC3	70	403828	3788845
AGF_PMPC4	71	404121	3788734
AGF_PMPC5	72	404446	3788685
AGF_PMPC6	73	404855	3788755
AGF_PMPC7	74	405281	3788526
AGF_PMPC8	75	405636	3788369
AGF_PMPC9	76	405994	3788219
AGF_PMPC10	77	406408	3788108
AGF_PMPC11	78	407344	3788120
AGF_PMPC12	79	407931	3788125
AGF_PMPC13	80	408702	3787677
AGF_PMPC14	81	409039	3787021
AGF_PMPC15	82	409158	3786267
AGF_PMPC16	83	409172	3785389
AGF_PMPC17	84	-	-

Perry Mesa – Along Road where Point Counts are conducted – Spring 2006

View of Mesa – Aug 2006



Relief map of Perry Mesa

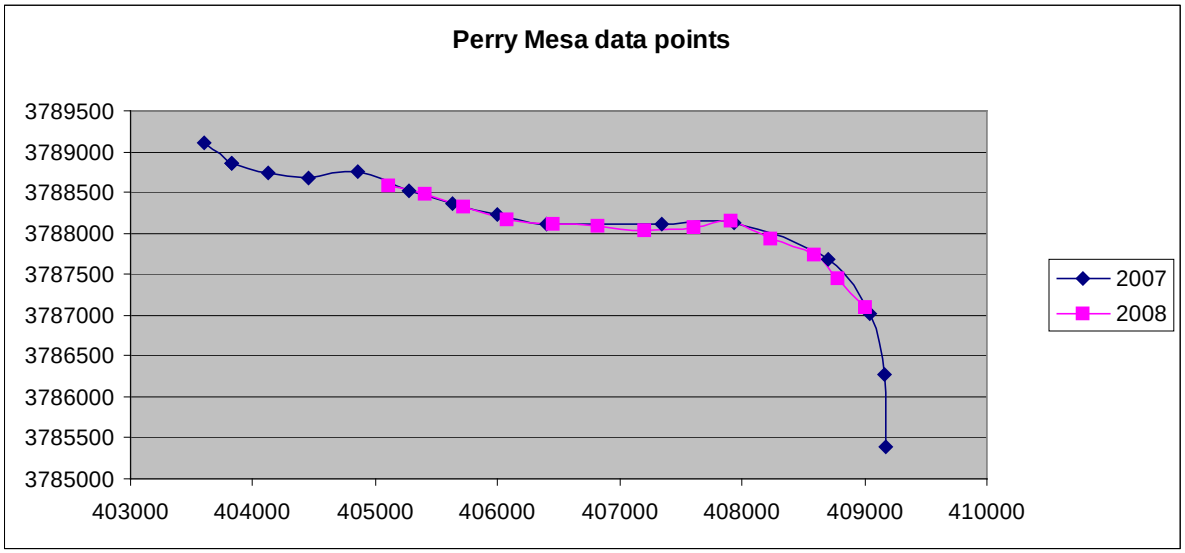
Perry Mesa Point counts 2008 - 17 species (30 total species since 2007)

Code	Common Name	68	69	70	71	72	a	73/b	74/c	75/d	76/e	77/f	78/g	h	79/I	j	80/k	l	81/m	82	83	Totals	2007
GAQU	**Gambel's Quail**						1	1	2(2)	1			2(2)			1	2(2)	4(2)	1			15	10
TUVU	**Turkey Vulture***																		1			1	0
/wEWkwYC5NLI	/k																					0	3
	trel						1															1	1
PRFA	Prairie Falcon																					0	1
MODO	**Mourning Dove**						5(2)	3(2)	7(5)		11(8)	5(4)	2(2)	2(2)	2	4(3)	1	2	1			45	18
BLSW	Black Swift																					0	1
?HUM	**Unidentified HB***																	1				1	0
LBWP	**Ladder-backed WP***													1								1	0
SAPH	**Say's Phoebe***						1															1	0
ATFL	**Ash-throated Flycatcher**								1			2	2(2)									5	1
CAKI	**Cassin's Kingbird***												1									1	0
WEKI	**Western Kingbird**												1	1								2	3
LOSH	**Loggerhead Shrike***													1								1	0
BEVI	*Bell's Vireo (R)*																					0	1
STJA	Steller's Jay																					0	1
CORA	**Common Raven**																		1			1	5
HOLA	Horned Lark																					0	5
CACW	Cactus Wren																					0	3
NOMO	**Northern Mockingbird**						2(2)		2(2)	4(4)	4(3)	2(2)	6(3)	2(2)	2(2)	5(3)	4(3)	4(3)	2(2)			39	17
CBTH	Curve-billed Thrasher																					0	1
PHAI	**Phainopepla**																1	1				2	3
OCWA	**Orange-crowned Warbler**														1							1	1
WIWA	Wilson's Warbler																					0	1
CANT	**Canyon Towhee***																		1			1	0
BRSP	*Brewer's Sparrow (Y)*																					0	10
LASP	Lark Sparrow																					0	1
BTSP	**Black-throated Sparrow**						2		1	1		4(3)		1	6(4)							15	47
WEME	**Western Meadowlark***							2(2)	1	1												4	0
?MEA	Unidentified Meadowlark																					0	3
BUOR	**Bullock's Oriole***							1														1	0
SCOR	Scott's Oriole																					0	1
BTJA	**Black-tailed Jack Rabbit***										1											1	0
COTT	**Cottontail Species***								1													1	0

Notes: Bold indicates species observed this year. * New this year. Italicized indicates watch list species (Level Red or Yellow). Notes: First number is total # of birds seen, number in ( ) how many times species was observed. ex 3(3) = 3 singles , 8(1) = flock of 8

Surveys locations for 2008 were not the same at those in 2007. Only data for 2008 locations that were close to the 2007 locations were entered into the database. Data for a, h, j, & l are recorded here only.

	2008			2007		
a	405103	3788586	1	68	403607	3789105
b/73	405410	3788488	2	69	403827	3788845
c/74	405728	3788326	3	70	403828	3788845
d/75	406078	3788176	4	71	404121	3788734
e/76	406448	3788110	5	72	404446	3788685
f/77	406819	3788094	6	73	404855	3788755
g/78	407201	3788032	7	74	405281	3788526
h	407602	3788062	8	75	405636	3788369
I/79	407911	3788149	9	76	405994	3788219
j	408240	3787931	10	77	406408	3788108
k/80	408589	3787731	11	78	407344	3788120
l	408782	3787448	12	79	407931	3788125
m/81	409002	3787101	13	80	408702	3787677
			14	81	409039	3787021
			15	82	409158	3786267
			16	83	409172	3785389



Data Sets

7442	5/30/2008	AGF_PMPC6
7443	5/30/2008	AGF_PMPC7
7444	5/30/2008	AGF_PMPC8
7445	5/30/2008	AGF_PMPC9
7446	5/30/2008	AGF_PMPC10
7447	5/30/2008	AGF_PMPC11
7448	5/30/2008	AGF_PMPC12
7449	5/30/2008	AGF_PMPC13
7450	5/30/2008	AGF_PMPC14
3549	5/15/2007	AGF_PMPC1
3550	5/15/2007	AGF_PMPC2
3551	5/15/2007	AGF_PMPC3
3552	5/15/2007	AGF_PMPC4
3553	5/15/2007	AGF_PMPC5
3554	5/15/2007	AGF_PMPC6
3555	5/15/2007	AGF_PMPC7
3556	5/15/2007	AGF_PMPC8
3557	5/15/2007	AGF_PMPC9
3558	5/15/2007	AGF_PMPC10
3559	5/15/2007	AGF_PMPC11
3560	5/15/2007	AGF_PMPC12
3561	5/15/2007	AGF_PMPC13
3562	5/15/2007	AGF_PMPC14
3563	5/15/2007	AGF_PMPC15
3564	5/15/2007	AGF_PMPC16

Perry Mesa Area Search 1 2008 - 9 species (26 total species since 2006)

Code	Common Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals	2007
GAQU	Gambel's Quail													0	9
RTHA	Red-tailed Hawk													0	1
WWDO	White-winged Dove													0	8
MODO	**Mourning Dove**				5(3)					11(4)				16	15
?HUM	Unidentified Hummingbird													0	1
LBWO	Ladder-backed Woodpecker													0	1
SAPH	**Say's Phoebe***									1				1	0
ATFL	Ash-throated Flycatcher													0	1
WEKI	Western Kingbird													0	14
LOSH	**Loggerhead Shrike**									1				1	4
CORA	Common Raven													0	1
VGSW	Violet-green Swallow													0	6
NOMO	**Northern Mockingbird**				1									1	3
CBTH	Curve-billed Thrasher													0	1
WETA	Western Tanager													0	2
GTTO	Green-tailed Towhee													0	3
CANT	Canyon Towhee													0	1
ABTO	*Abert's Towhee (Y)*													0	4
CHSP	**Chipping Sparrow**				2									2	16
BRSP	***Brewer's Sparrow (Y)***				45(7)									45	318
LASP	**Lark Sparrow**				1					7(2)				8	32
BTSP	Black-throated Sparrow													0	30
LARB	*Lark Bunting (Y)*													0	1
LISP	Lincoln's Sparrow													0	5
SOSP	**Song Sparrow**				2									2	0
WCSP	White-crowned Sparrow													0	105
WEME	**Western Meadowlark**				1					3(2)				4	11

Notes: Bold indicates species observed this year. Italicized indicates watch list species (Level Red or Yellow). Shades indicate general temperature ranges.* New this year Notes: First number is total # of birds seen, number in ( ) how many times species was observed. ex 3(3) = 3 singles , 8(1) = flock of 8

Data sets

7414	4/23/2008	AGF_PMAS1	3537	4/17/2007	AGF_PMAS1
7417	9/3/2008	AGF_PMAS1	3540	5/2/2007	AGF_PMAS1
			3547	8/10/2007	AGF_PMAS1

Perry Mesa Area Search 2 2008 - 8 species (14 total species since 2006)

Code	Common Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals	2007
WWDO	White-winged Dove													0	1
MODO	**Mourning Dove**				14(5)					3(2)				17	41
WEKI	**Western Kingbird**				2(2)									2	3
LOSH	**Loggerhead Shrike**									1				1	1
CORA	**Common Raven***				1									1	0
VGSW	Violet-green Swallow													0	6
NOMO	Northern Mockingbird													0	2
CANT	Canyon Towhee													0	2
CHSP	Chipping Sparrow													0	2
BRSP	***Brewer's Sparrow (Y)***				45(10)					3				48	342
LASP	**Lark Sparrow**				2(2)									2	12
BTSP	**Black-throated Sparrow**				4(3)									4	22
WCSP	**White-crowned Sparrow**				1									1	165
WEME	**Western Meadowlark**				1									1	6

Notes: Bold indicates species observed this year. Italicized indicates watch list species (Level Red or Yellow). Shades indicate general temperature ranges.* New this year Notes: First number is total # of birds seen, number in ( ) how many times species was observed. ex 3(3) = 3 singles , 8(1) = flock of 8

Data sets

7415	4/23/2008	AGF_PMAS2	3538	4/17/2007	AGF_PMAS2
7418	9/3/2008	AGF_PMAS2	3541	5/2/2007	AGF_PMAS2

Perry Mesa Area Search 3 2008 - 20 species (38 total species since 2006)

Code	Common Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals	2007
NSHO	Northern Shoveler													0	1
GAQU	**Gambel's Quail**				5(4)					1				6	9
TUVU	**Turkey Vulture**				1									1	3
SSHA	Sharp-shinned Hawk													0	1
RTHA	Red-tailed Hawk													0	2
AMKE	American Kestrel													0	1
WWDO	White-winged Dove													0	3
MODO	**Mourning Dove**				8(4)					2(2)				10	18
GRRO	Greater Roadrunner													0	1
BCHU	**Black-chinned Hummingbird***									1				1	0
GRFL	**Gray Flycatcher**				1									1	3
ATFL	**Ash-throated Flycatcher**				3(2)									3	1
WEKI	**Western Kingbird***									1				1	0
LOSH	Loggerhead Shrike													0	3
WESJ	Western Scrub-Jay													0	1
PIJA	**Pinyon Jay**									1				1	0
CORA	**Common Raven**				5(4)									5	4
VERD	**Verdin**									1				1	2
BUSH	Bushtit													0	8
BEWR	Bewick's Wren													0	4
HOWR	House Wren													0	1
BGGN	Blue-gray Gnatcatcher													0	1
NOMO	**Northern Mockingbird**									1				1	5
CBTH	**Curve-billed Thrasher***									2(2)				2	0
PHAI	Phainopepla													0	1
LUWA	***Lucy's Warbler (Y)****				1									1	0
SUTA	Summer Tanager													0	1
GTTO	Green-tailed Towhee													0	7
CANT	**Canyon Towhee**									1				1	3
ABTO	*Abert's Towhee (Y)*													0	1
CHSP	Chipping Sparrow													0	1
BRSP	***Brewer's Sparrow (Y)***				1									1	51
LASP	**Lark Sparrow***									6(2)				6	0
BTSP	**Black-throated Sparrow**									3(2)				3	12
WCSP	**White-crowned Sparrow**				3(2)									3	107
NOCA	Northern Cardinal													0	2
WEME	Western Meadowlark													0	3
BHCO	**Brown-headed Cowbird**				2									2	2
SCOR	**Scott's Oriole***				1									1	0

Notes: Bold indicates species observed this year. Italicized indicates watch list species (Level Red or Yellow). Shades indicate general temperature ranges.* New this year Notes: First number is total # of birds seen, number in ( ) how many times species was observed. ex 3(3) = 3 singles , 8(1) = flock of 8

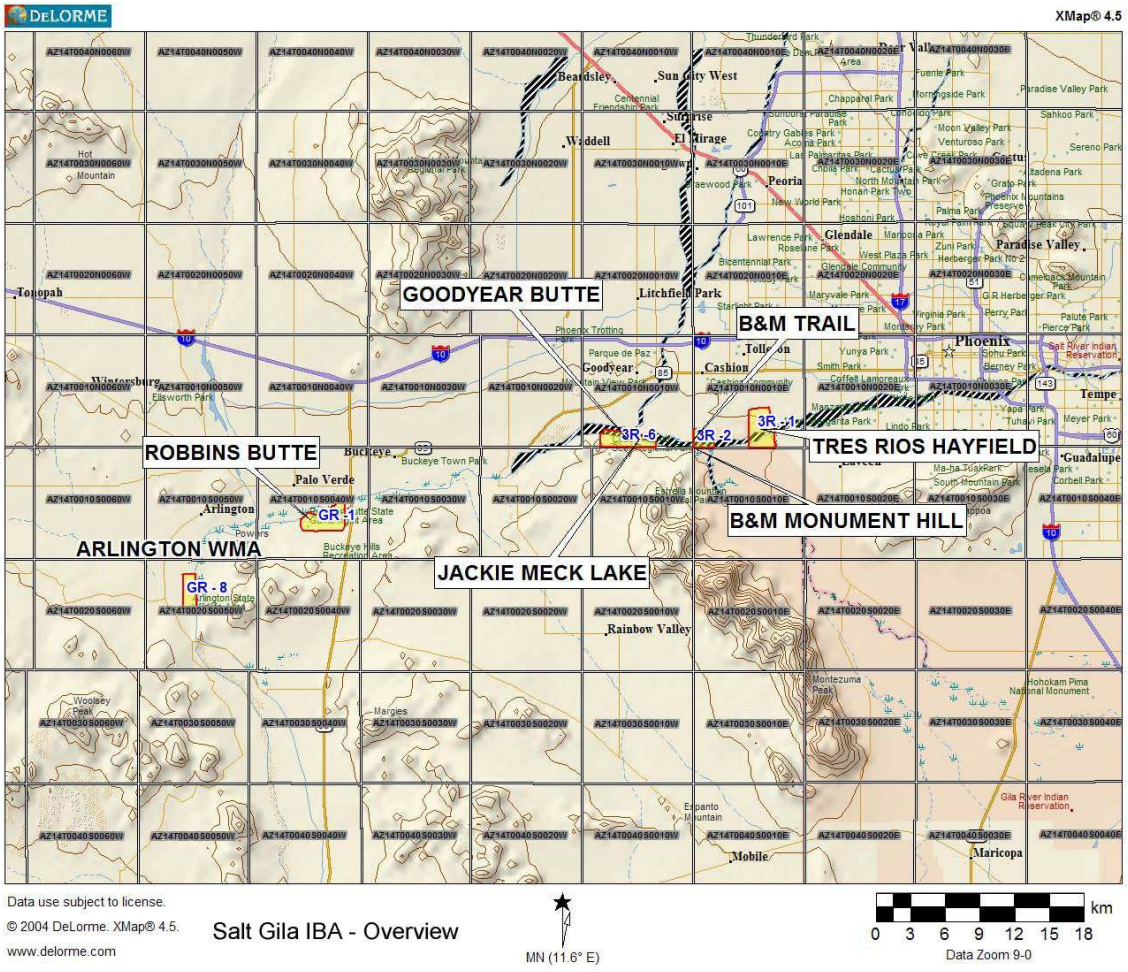
Data sets

7416	4/23/2008	AGF_PMAS3
7419	9/3/2008	AGF_PMAS3
3539	4/17/2007	AGF_PMAS3
3546	5/2/2007	AGF_PMAS3
3548	8/10/2007	AGF_PMAS3

Salt & Gila River Systems

Census surveys were used on the Lower Salt and Gila River systems. One Area Search was also used at the Tres Rios Hayfield Site. A Transect has been proposed for the B&M site that runs to the west of the old river crossing along the trail constructed for the Tres Rios Nature Festival but this transect has never been finalized.

Census surveys were conducted at the B&M site, Jackie Meck Lake, Robbins Butte, Arlington, and at three ponds in the Tres Rios Hayfield site Area.



2008 Salt / Gila IBA
Sonoran Audubon Society IBA Bird Count Hours and miles

Census: Arlington Ponds

Date	Counter	Agency	Hours on Project	Miles
	No Data			
		Total	0	0

Census: Jackie Meck Lake

Date	Counter	Agency	Hours on Project	Miles
1/27/2008	Robert A. McCormick	SAS	1.25	39
3/15/2008	Robert A. McCormick	SAS	2	25
4/6/2008	Robert A. McCormick	SAS	2	26
	Anne Durning	SAS	2	26
12/21/2008	Robert A. McCormick	SAS	3	40
	Anne Durning	SAS	3	40
		Total	7.25	116

Census: B&M

Date	Counter	Agency	Hours on Project	Miles
2/12/2008	Rich Schooler	SAS	3.5	40
	Carol Schooler	SAS	3.5	40
3/26/2008	Rich Schooler	SAS	3.5	30
	Carol Schooler	SAS	3.5	30
4/25/2008	Rich Schooler	SAS	4	30
	Carol Schooler	SAS	4	30
11/18/2008	Rich Schooler	SAS	3	30
	Carol Schooler	SAS	3	30
		Total	28	260

Census: Robbins Butte

Date	Counter	Agency	Hours on Project	Miles
4/8/2008	Andre Tarby	SAS	1.75	102
	Bud Larkin	SAS	1.75	102
		Total	3.5	204

Census: Tres Rios

Date	Counter	Agency	Hours on Project	Miles
1/15/2008	Rich Schooler	SAS	4.5	36
	Carol Schooler	SAS	4.5	36
3/27/2008	Rich Schooler	SAS	4	26
	Carol Schooler	SAS	4	26
4/19/2008	Rich Schooler	SAS	4	26
	Carol Schooler	SAS	4	26
11/25/2008	Rich Schooler	SAS	4	26
	Carol Schooler	SAS	4	26
		Total	33	228
	Grand Total for the 4 count areas		**71.75**	**808**

Notes: 6 different counters made 13 visits
SAS - Sonoran Audubon, AAZ - Audubon Arizona

Salt / Gila IBA Totals - 142 Total species since 2006

Salt/Gila IBA Totals		Tres Rios			B&M WLA			Arlington WLA			Robbins's Butte			Jackie Meck's Lake			
Code	Common Name	2008	2007	2006	2008	2007	2006	2008	2007	2006	2008	2007	2006	2008	2007	2006	Totals
SNGO	Snow Goose	0	0	0	1	0	0	-	-	-	-	-	-	-	-	-	1
CAGO	Canada Goose	0	6	0	2	0	0	-	-	-	-	-	-	0	18	37	63
WODU	Wood Duck	0	1	0	-	-	-	-	-	-	-	-	-	-	-	-	1
GADW	Gadwall	0	0	4	-	-	-	-	-	-	-	-	-	0	5	57	66
AMWI	American Wigeon	6	0	7	-	-	-	-	-	-	-	-	-	0	10	0	23
MALL	Mallard	88	102	87	17	13	7	0	62	9	0	3	5	21	53	20	487
MALLM	Mallard (Mexican subspecies)	-	-	-	-	-	-	0	1	0	-	-	-	-	-	-	1
BWTE	Blue-winged Teal	34	0	27	-	-	-	0	11	0	-	-	-	-	-	-	72
CITE	Cinnamon Teal	36	1	9	0	0	3	0	93	0	0	1	12	4	12	0	171
NSHO	Northern Shoveler	20	4	91	0	5	0	0	3	0	-	-	-	539	44	1	707
NOPI	Northern Pintail	5	0	5	0	1	0	-	-	-	-	-	-	-	-	-	11
GWTE	Green-winged Teal	28	83	4	-	-	-	0	3	0	-	-	-	4	0	3	125
REDH	Redhead	-	-	-	-	-	-	-	-	-	-	-	-	0	4	0	4
RNDU	Ring-necked Duck	6	3	5	12	27	15	-	-	-	-	-	-	159	19	0	246
LESC	Lesser Scaup	-	-	-	-	-	-	-	-	-	0	5	0	-	-	-	5
BUFF	Bufflehead	-	-	-	4	0	0	-	-	-	-	-	-	0	0	2	6
COME	Common Merganser	0	0	3	-	-	-	0	4	0	-	-	-	0	2	3	12
RUDU	Ruddy Duck	12	8	7	-	-	-	-	-	-	-	-	-	0	16	8	51
?DUC	Unidentified Duck	0	0	21	0	0	1	-	-	-	-	-	-	0	0	218	240
GAQU	Gambel's Quail	93	11	77	0	0	10	0	128	6	0	2	18	12	15	44	416
PBGR	Pied-billed Grebe	14	1	11	17	44	10	-	-	-	0	4	7	12	13	3	136
EAGR	Eared Grebe	0	0	1	-	-	-	-	-	-	0	0	1	-	-	-	2
AWPE	American white pelican	-	-	-	-	-	-	-	-	-	-	-	-	0	0	4	4
NECO	Neotropic Cormorant	310	36	75	233	75	12	-	-	-	1	11	5	8	14	0	780
DCCO	Double-crested Cormorant	181	40	214	220	28	104	-	-	-	7	39	65	4	46	36	984
?COR	Unidentified Cormorant	0	0	1	0	117	0	-	-	-	-	-	-	48	54	70	290
AMBI	American Bittern	-	-	-	1	0	0	-	-	-	-	-	-	37	33	28	99
LEBI	Least Bittern	-	-	-	1	1	0	-	-	-	0	2	1	46	26	4	81
GBHE	Great Blue Heron	69	6	66	23	20	15	0	7	0	2	10	14	37	33	28	330
GREG	Great Egret	56	14	35	143	35	13	0	10	0	37	36	57	46	26	4	512
SNEG	Snowy Egret	41	3	33	137	101	36	0	42	0	0	131	235	83	122	71	1035
CAEG	Cattle Egret	0	0	268	-	-	-	-	-	-	-	-	-	-	-	-	268
GRHE	Green Heron	9	1	11	24	25	0	0	0	1	0	5	4	2	8	0	90
BCNH	Black-crowned Night-Heron	13	2	55	8	10	3	0	16	0	0	5	6	6	13	5	142
WFIB	White-faced Ibis	501	390	6	400	35	90	0	1	0	60	0	0	187	54	1451	3175
BLVU	Black Vulture	0	0	1	1	0	0	-	-	-	0	0	1	-	-	-	3
TUVU	Turkey Vulture	13	0	1	19	2	0	-	-	-	0	2	0	0	0	1	38
OSPR	Osprey	2	2	7	3	2	3	-	-	-	0	4	0	3	4	2	32
NOHA	Northern Harrier	5	1	0	3	2	0	0	2	0	0	0	1	0	1	0	15
SSHA	Sharp-shinned Hawk	1	0	0	1	0	0	-	-	-	-	-	-	-	-	-	2
COHA	Cooper's Hawk	3	0	2	0	1	1	0	3	0	-	-	-	0	0	1	11
RTHA	Red-tailed Hawk	2	2	7	0	0	1	0	1	0	0	1	1	1	2	0	18
?HAW	Unidentified Hawk	0	0	0	0	1	0	-	-	-	1	0	0	-	-	-	2
?ACC	Unidentified Accipiter	-	-	-	-	-	-	-	-	-	0	0	1	-	-	-	1
AMKE	American Kestrel	0	0	0	0	0	1	-	-	-	-	-	-	0	1	1	3
MERL	Merlin	-	-	-	-	-	-	-	-	-	-	-	-	0	0	1	1
PEFA	Peregrine Falcon	1	0	0	0	0	0	-	-	-	-	-	-	-	-	-	1
?FAL	Unidentified Falcon	-	-	-	-	-	-	-	-	-	-	-	-	0	1	0	1
CLRA	*Clapper Rail (Yuma) (Y)*	0	0	0	2	0	0	0	30	0	-	-	-	-	-	-	32
VIRA	Virginia Rail	2	0	0	0	1	3	0	1	0	0	2	1	0	1	0	11
?RAI	Unidentified Rail	-	-	-	-	-	-	-	-	-	-	-	-	0	2	0	2
SORA	Sora	0	0	0	0	0	1	0	2	0	0	0	1	-	-	-	4
COMO	Common Moorhen	25	4	25	9	12	2	0	22	11	0	4	6	5	2	1	128
AMCO	American Coot	92	10	118	64	63	16	0	40	11	10	33	25	332	262	197	1273
KILL	Killdeer	10	3	19	15	17	0	0	30	12	0	1	2	2	15	5	131
BNST	Black-necked Stilt	40	0	15	-	-	-	0	12	0	0	0	3	29	24	8	131
AMAV	American Avocet	-	-	-	-	-	-	-	-	-	-	-	-	2	0	1	3
GRYE	Greater Yellowlegs	-	-	-	2	0	0	-	-	-	-	-	-	0	4	3	9
LEYE	Lesser Yellowlegs	1	0	0	-	-	-	-	-	-	-	-	-	-	-	-	1
SOSA	Solitary Sandpiper	-	-	-	1	0	0	-	-	-	-	-	-	0	0	4	5
WILL	Willet	-	-	-	-	-	-	-	-	-	-	-	-	0	11	0	11

SPSA	Spotted Sandpiper	0	1	5	-	-	-	0	5	0	-	-	-	-	-	-	11
LESA	Least Sandpiper	-	-	-	-	-	-	0	11	3	-	-	-	-	-	-	14
?SAN	Unidentified Sandpiper	0	0	5	-	-	-	-	-	-	-	-	-	-	-	-	5
LBDO	Long-billed Dowitcher	4	0	0	-	-	-	0	3	0	-	-	-	-	-	-	7
WISN	Wilson's Snipe	-	-	-	-	-	-	0	8	0	-	-	-	2	5	6	21
RBGU	Ring-billed Gull	6	0	0	-	-	-	-	-	-	-	-	-	0	0	4	10
BLTE	Black Tern	-	-	-	-	-	-	0	1	0	-	-	-	-	-	-	1
ROPI	Rock Pigeon	16	0	0	2	6	0	-	-	-	-	-	-	0	0	1	25
WWDO	White-winged Dove	1	0	22	15	15	1	0	159	42	3	18	21	0	302	2	601
MODO	Mourning Dove	142	14	323	66	30	14	0	237	7	4	61	24	24	254	20	1220
?GDO	Unidentified Ground-Dove	0	0	4	0	0	0	-	-	-	-	-	-	-	-	-	4
GRRO	Greater Roadrunner	0	0	2	0	3	0	0	2	0	-	-	-	-	-	-	7
GHOW	Great Horned Owl	-	-	-	1	0	0	-	-	-	0	1	0	0	0	1	3
LENI	Lesser Nighthawk	-	-	-	0	0	3	-	-	-	1	41	3	-	-	-	48
CONI	Common Nighthawk	-	-	-	-	-	-	0	1004	0	-	-	-	-	-	-	1004
COPW	Common Poorwill	-	-	-	-	-	-	-	-	-	0	0	1	-	-	-	1
BCHU	Black-chinned Hummingbird	-	-	-	2	1	0	0	2	0	-	-	-	-	-	-	5
ANHU	Anna's Hummingbird	7	0	16	4	2	0	0	1	0	0	0	1	0	1	0	32
COHU	Costa's Hummingbird	-	-	-	-	-	-	0	2	0	-	-	-	-	-	-	2
?SEL	Unidentified Selasphorus sp.	-	-	-	-	-	-	-	-	-	-	-	-	0	1	1	2
BEKI	Belted Kingfisher	2	0	4	5	9	1	-	-	-	0	2	1	2	5	3	34
GIWO	Gila Woodpecker	13	4	16	0	2	0	0	2	0	0	2	1	3	2	1	46
RNSA	Red-naped Sapsucker	2	0	0	-	-	-	-	-	-	-	-	-	-	-	-	2
LBWO	Ladder-backed Woodpecker	2	6	4	0	2	0	0	2	0	0	0	3	-	-	-	19
NOFL	Northern Flicker	6	3	1	2	4	0	-	-	-	-	-	-	0	2	0	18
COFL	Cordilleran Flycatcher	1	0	0	1	0	0	-	-	-	-	-	-	-	-	-	2
BLPH	Black Phoebe	8	2	15	1	6	1	0	2	0	0	0	2	0	1	0	38
SAPH	Say's Phoebe	0	0	1	1	0	0	-	-	-	-	-	-	0	0	1	3
VEFL	Vermilion Flycatcher	0	0	1	-	-	-	-	-	-	-	-	-	-	-	-	1
ATFL	Ash-throated Flycatcher	4	0	4	0	0	1	-	-	-	0	2	1	-	-	-	12
CAKI	Cassin's Kingbird	-	-	-	-	-	-	-	-	-	0	1	0	-	-	-	1
WEKI	Western Kingbird	0	0	8	-	-	-	0	1	0	0	5	0	0	0	2	16
STFL	Scissor-tailed Flycatcher	-	-	-	-	-	-	-	-	-	0	0	1	-	-	-	1
LOSH	Loggerhead Shrike	-	-	-	-	-	-	-	-	-	0	0	1	-	-	-	1
HUVI	Hutton's Vireo	-	-	-	-	-	-	0	1	0	-	-	-	-	-	-	1
CORA	Common Raven	0	2	0	-	-	-	-	-	-	-	-	-	0	0	1	3
TRES	Tree Swallow	-	-	-	-	-	-	-	-	-	-	-	-	35	0	0	35
VGSW	Violet-green Swallow	-	-	-	-	-	-	0	95	0	-	-	-	0	0	24	119
NRWS	N. Rough-winged Swallow	102	0	20	76	200	1	0	368	0	0	37	6	16	0	28	854
BANS	Bank Swallow	-	-	-	-	-	-	0	1	0	0	6	0	-	-	-	7
CLSW	Cliff Swallow	175	0	21	325	23	0	0	275	0	0	15	3	-	-	-	837
BARS	Barn Swallow	-	-	-	-	-	-	0	32	0	-	-	-	-	-	-	32
?SWA	Unidentified Swallow	-	-	-	-	-	-	-	-	-	-	-	-	0	58	0	58
VERD	Verdin	39	4	48	6	8	1	-	-	-	0	1	5	0	4	0	116
CACW	Cactus Wren	0	0	1	-	-	-	-	-	-	-	-	-				1
ROWR	Rock Wren	-	-	-	1	1	2	-	-	-	-	-	-	0	4	3	11
CANW	Canyon Wren	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
BEWR	Bewick's Wren	2	0	3	10	16	0	0	0	1	0	0	1	-	-	-	33
HOWR	House Wren	0	0	1	-	-	-	-	-	-	0	0	3	-	-	-	4
MAWR	Marsh Wren	4	7	19	-	-	-	0	26	3	-	-	-	1	1	2	63
RCKI	Ruby-crowned Kinglet	7	11	28	0	1	0	-	-	-	-	-	-	-	-	-	47
BGGN	Blue-gray Gnatcatcher	5	0	0	-	-	-	-	-	-	-	-	-	1	0	0	6
BTGN	Black-tailed Gnatcatcher	1	0	9	0	5	0	-	-	-	0	0	6	-	-	-	21
HETH	Hermit Thrush	1	0	0	-	-	-	-	-	-	-	-	-	-	-	-	1
NOMO	Northern Mockingbird	0	0	2	-	-	-	-	-	-	-	-	-	-	-	-	2
CBTH	Curve-billed Thrasher	0	0	1	-	-	-	-	-	-	0	1	0	-	-	-	2
CRTH	Crissal Thrasher	2	0	0	-	-	-	-	-	-	-	-	-	-	-	-	2
EUST	European Starling	107	34	42	0	0	1	-	-	-	-	-	-	-	-	-	184
AMPI	American Pipit	35	0	0	-	-	-	0	1	0	-	-	-	1	0	0	37
PHAI	Phainopepla	1	0	9	-	-	-	-	-	-	-	-	-	-	-	-	10
OCWA	Orange-crowned Warbler	7	3	35	2	11	0	0	8	0	-	-	-	-	-	-	66
LUWA	*Lucy's Warbler (Y)*	1	0	5	0	0	0	-	-	-	0	4	0	-	-	-	10
YWAR	Yellow Warbler	8	1	1	1	45	0	0	4	0	-	-	-	-	-	-	60
YRWA	Yellow-rumped Warbler	138	15	188	38	4	0	0	12	0	0	0	1	15	0	1	412
TOWA	Townsend's Warbler	-	-	-	-	-	-	0	1	0	-	-	-	-	-	-	1
COYE	Common Yellowthroat	13	0	23	12	0	0	0	56	3	0	4	9	0	4	2	126
WIWA	Wilson's Warbler	1	0	4	-	-	-	0	27	0	0	5	0	-	-	-	37
YBCH	Yellow-breasted Chat	-	-	-	1	0	1	-	-	-	0	4	3	-	-	-	9

WETA	Western Tanager	0	0	1	-	-	-	-	-	-	-	-	-	0	0	2	3
GTTO	Green-tailed Towhee	0	0	1	-	-	-	-	-	-	-	-	-	-	-	-	1
ABTO	*Abert's Towhee (Y)*	43	20	88	16	19	2	0	78	5	2	7	2	4	5	0	291
RWSP	Rufous-winged Sparrow	-	-	-	-	-	-	0	42	0	-	-	-	-	-	-	42
CHSP	Chipping Sparrow	0	0	5	-	-	-	0	15	0	-	-	-	-	-	-	20
BRSP	Brewer's Sparrow	-	-	-	-	-	-	0	10	0	-	-	-	-	-	-	10
FOSP	Fox Sparrow	-	-	-	0	1	0	-	-	-	-	-	-	-	-	-	1
SOSP	Song Sparrow	20	5	35	28	11	2	0	129	3	2	6	17	1	2	0	261
LISP	Lincoln's Sparrow	2	2	10	0	6	0	0	6	0	-	-	-	-	-	-	26
WCSP	White-crowned Sparrow	55	5	116	21	9	0	0	338	0	0	0	10	65	4	0	623
DEJU	Dark-eyed Junco	0	0	0	5	0	0	-	-	-	0	0	1	-	-	-	6
NOCA	Northern Cardinal	4	1	8	5	1	0	-	-	-	0	1	3	0	2	1	26
LAZB	Lazuli Bunting	-	-	-	-	-	-	0	3	0	-	-	-	-	-	-	3
RWBL	Red-winged Blackbird	6000	0	248	2330	2641	62	0	8767	114	1000	3537	2303	805	273	270	28350
YHBL	Yellow-headed Blackbird	1030	0	1	1	0	201	0	652	7	1	1880	4083	365	46	65	8332
?BLA	Unidentified Blackbird	0	0	20	-	-	-	-	-	-	0	0	2000	0	0	215	2235
GTGR	Great-tailed Grackle	91	34	53	204	84	0	0	90	15	0	0	1	20	62	0	654
BROC	Bronzed Cowbird	-	-	-	-	-	-	0	59	0	0	0	5	-	-	-	64
BHCO	Brown-headed Cowbird	17	0	36	19	23	0	0	142	4	0	0	17	-	-	-	258
HOOR	Hooded Oriole	-	-	-	-	-	-	-	-	-	0	0	4	-	-	-	4
HOFI	House Finch	25	0	6	3	4	0	0	38	0	1	4	8	-	-	-	89
HOSP	House Sparrow	6	0	0	-	-	-	-	-	-	-	-	-	0	4	0	10
LEGO	Lesser Goldfinch	0	0	4	-	-	-	-	-	-	9	0	0	0	2	0	15
BEAV	Beaver	-	-	-	0	1	0	0	1	0	0	1	0	-	-	-	3
COYO	Coyote	-	-	-	0	0	8	-	-	-	-	-	-	0	2	0	10

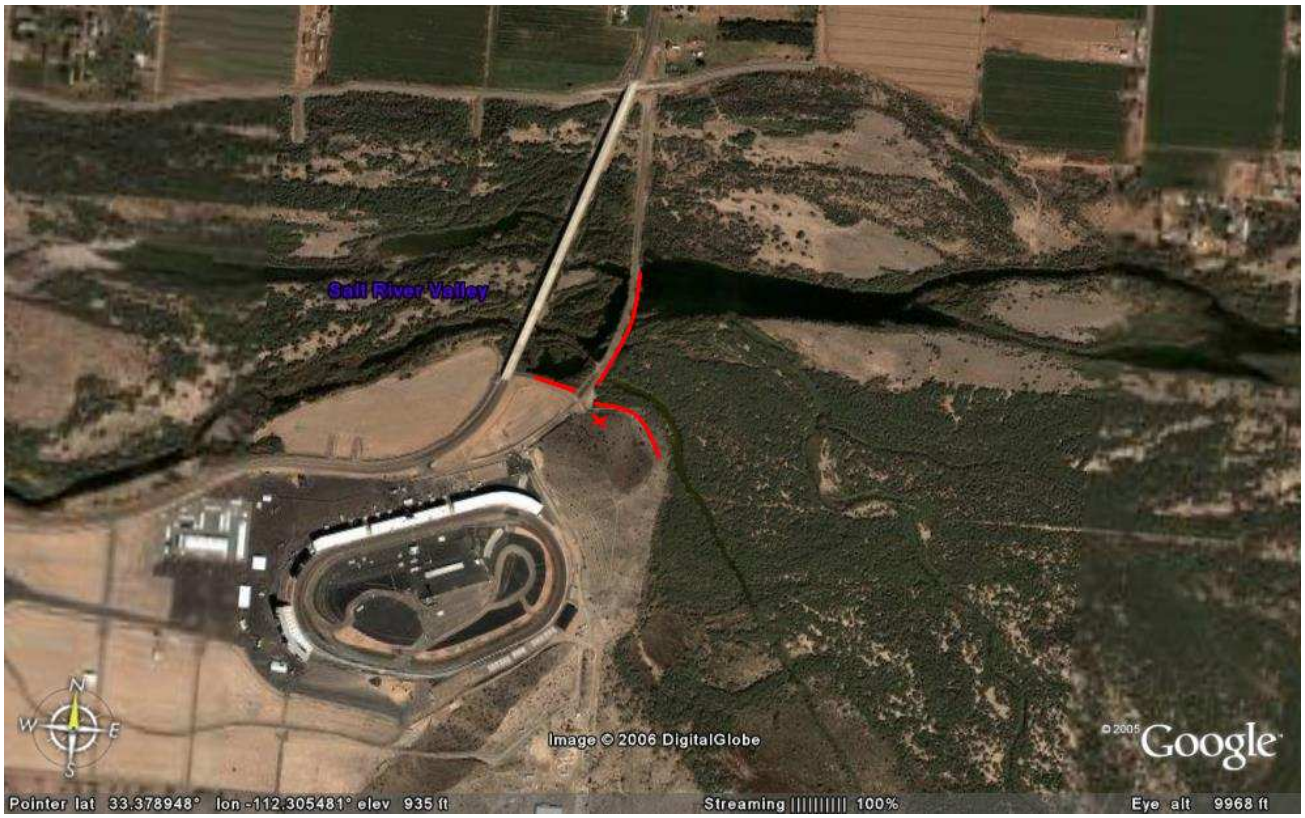
Salt Gila - B&M Wildlife Area
by Bob McCormick

This CENSUS Survey is located at the South End of the 115th Ave Bridge as it reaches Phoenix International Raceway. Parking is located at the first left into PIR and follow it to the East to the parking lot. Several locations on the B&M hill have been tried as vantage points and none have proved acceptable. The site is located where the Gila River channel enters the Salt River Channel. A large pond is formed on the East side of the old 115th Ave road through the river channel. The West side is running river channels with healthy reeds, and mature cottonwoods. The upstream portion of the Gila River Channel and the South side of the Salt River Bank are clogged with Salt Cedar. As usual surrounding areas are desert scrub.

This site is very difficult to do as a Census survey as the hill is set away from the river channel. Good views are afforded of the valley in general but about a ¼ - ½ mile stretch of Salt Cedar separates the viewer from the river channel. The first survey for 2007 will be done as an Area Search in three legs. The West Levee to view the moving river portion and large trees, the East Levee to view the Gila Channel, and the old 115th Ave to view the Salt river channel and pond. Other concerns at this location include some of the other users of the area. While the majority are great people, frequent gunfire has been heard very close by. Trash is also a problem.

This spot is a favorite of fishermen both Human and Avian. Kingfishers, Osprey and Cormorants are always seen. Few ducks are seen at this site, possibly due to the heavy use by the human fishermen. Marsh birds are very common and huge flocks of blackbirds roost in the reeds. Several Heron Rookeries are located on the North side of the Salt River. The raceway appears to have no affect on the bird activity in the area. It appears that the birds could care less if it was there or not.

West Levee looking North old 115th is to right – Photo taken in 2006



B&M Wildlife area. The red X denotes the census point which has been dropped since the coverage of the area was poor. The red lines denote the West Levee, East Levee, and Old 115th Ave Area Searches which will be used for the 2007 surveys.

B&M Wildlife Area Area Search 2008 - 54 species (76 total species since 2006)

Code	Common Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals	2007	2006
SNGO	**Snow Goose***		1											1	0	0
CAGO	**Canada Goose***			2										2	0	0
MALL	**Mallard**		5	4	4							4		17	13	7
CITE	Cinnamon Teal													0	0	3
NSHO	Northern Shoveler													0	5	0
?TEA	Unidentified Teal													0	1	0
RNDU	**Ring-necked Duck**		12											12	27	15
BUFF	**Bufflehead***		2	2										4	0	0
?DUC	Unidentified duck													0	0	1
GAQU	Gambel's Quail													0	0	10
PBGR	**Pied-billed Grebe**		8	8								1		17	44	10
NECO	**Neotropic Cormorant**		75	7	151									233	75	12
DCCO	**Double-crested Cormorant**		185	16	17							2		220	28	104
?COR	Unidentified Cormorant													0	117	0
AMBI	**American Bittern***		1											1	0	0
LEBI	**Least Bittern**				1									1	1	0
GBHE	**Great Blue Heron**		1	5	11							6		23	20	15
GREG	**Great Egret**		130	5	4							4		143	35	13
SNEG	**Snowy Egret**		115	5	6							11		137	101	36
GRHE	**Green Heron**		9	7	7							1		24	25	0
BCNH	**Black-crowned Night-Heron**		3	3	1							1		8	10	3
WFIB	**White-faced Ibis**				400									400	35	90
BLVU	**Black Vulture***				1									1	0	0
TUVU	**Turkey Vulture**			10	9									19	2	0
OSPR	**Osprey**		2		1									3	2	3
NOHA	**Northern Harrier**			3										3	2	0
SSHA	**Sharp-shinned Hawk***				1									1	0	0
COHA	Cooper's hawk													0	1	1
RTHA	Red-tailed Hawk													0	0	1
?HAW	Unidentified Hawk													0	1	0
AMKE	American Kestrel													0	0	1
CLRA	***Clapper Rail (Yuma) (Y)****				2									2	0	0
VIRA	Virginia Rail													0	1	3
SORA	Sora													0	0	1
COMO	Common Moorhen		3	3	2							1		9	12	2
AMCO	American Coot		29	15	7							13		64	63	16
KILL	**Killdeer**		11		4									15	17	0
GRYE	**Greater Yellowlegs***		1									1		2	0	0
SOSA	**Solitary Sandpiper***				1									1	0	0
ROPI	**Rock Pigeon**				2									2	6	0
WWDO	**White-winged Dove**				15									15	15	1
MODO	**Mourning Dove**		11	1	37							17		66	30	14
GRRO	Greater Roadrunner													0	3	0
GHOW	**Great Horned Owl***											1		1	0	0
LENI	Lesser Nighthawk													0	0	3
BCHU	**Black-chinned Hummingbird**			2										2	1	0
ANHU	**Anna's Hummingbird**		1	1	2									4	2	0
BEKI	**Belted Kingfisher**		2									3		5	9	1
GIWO	Gila Woodpecker													0	2	0
LBWO	Ladder-backed Woodpecker													0	2	0
NOFL	**Northern Flicker**		2											2	4	0
COFL	**Cordilleran Flycatcher***				1									1	0	0
BLPH	**Black Phoebe**		1											1	6	1
SAPH	**Say's Phoebe***		1											1	0	0
ATFL	Ash-throated Flycatcher													0	0	1
NRWS	**Northern Rough-winged Swallow**		1	75										76	200	1
CLSW	**Cliff Swallow**			175	150									325	23	0
VERD	**Verdin**		2									4		6	8	1
ROWR	**Rock Wren**											1		1	1	2
MAWR	**Marsh Wren**		5									5		10	16	0
RCKI	Ruby-crowned Kinglet													0	1	0
BTGN	Black-tailed Gnatcatcher													0	5	0
EUST	European Starling													0	0	1
OCWA	**Orange-crowned Warbler**		1									1		2	11	0

YWAR	**Yellow Warbler**							1	1	45	0
YRWA	**Yellow-rumped Warbler**	2						36	38	4	0
COYE	**Common Yellowthroat***	2	1	8				1	12	0	0
YBCH	**Yellow-breasted Chat**		1						1	0	1
ABTO	***Abert's Towhee (Y)***	4	1	6				5	16	19	2
FOSP	Fox Sparrow								0	1	0
SOSP	**Song Sparrow**	7	3	10				8	28	11	2
LISP	Lincoln's Sparrow								0	6	0
WCSP	White-crowned Sparrow							21	21	9	0
DEJU	**Dark-eyed Junco***	1						4	5	0	0
NOCA	**Northern Cardinal**	2	1	2					5	1	0
RWBL	**Red-winged Blackbird**	500	800	1030					2330	2641	62
YHBL	**Yellow-headed Blackbird**							1	1	0	201
GTGR	**Great-tailed Grackle**	140	26	25				13	204	84	0
BHCO	**Brown-headed Cowbird**		14	5					19	23	0
HOFI	**House Finch**			1				2	3	4	0
BEAV	Beaver								0	1	0
COYO	Coyote								0	0	8

Notes: Bold indicates species observed this year. Italicized indicates watch list species (Level Red or Yellow).
Shades indicate general temperature ranges.
* New this year

Data Sets

6498	2/12/2008	BMW_AS1
6499	3/26/2008	BMW_AS1
6500	4/25/2008	BMW_AS1
6501	11/18/2008	BMW_AS1
6488	1/21/2007	BMW_AS1
6489	3/24/2007	BMW_AS1
6490	8/23/2007	BMW_AS1
6491	10/16/2007	BMW_AS1
5950	3/14/2006	BMW_C1
5951	4/25/2006	BMW_C1
5952	9/30/2006	BMW_C1

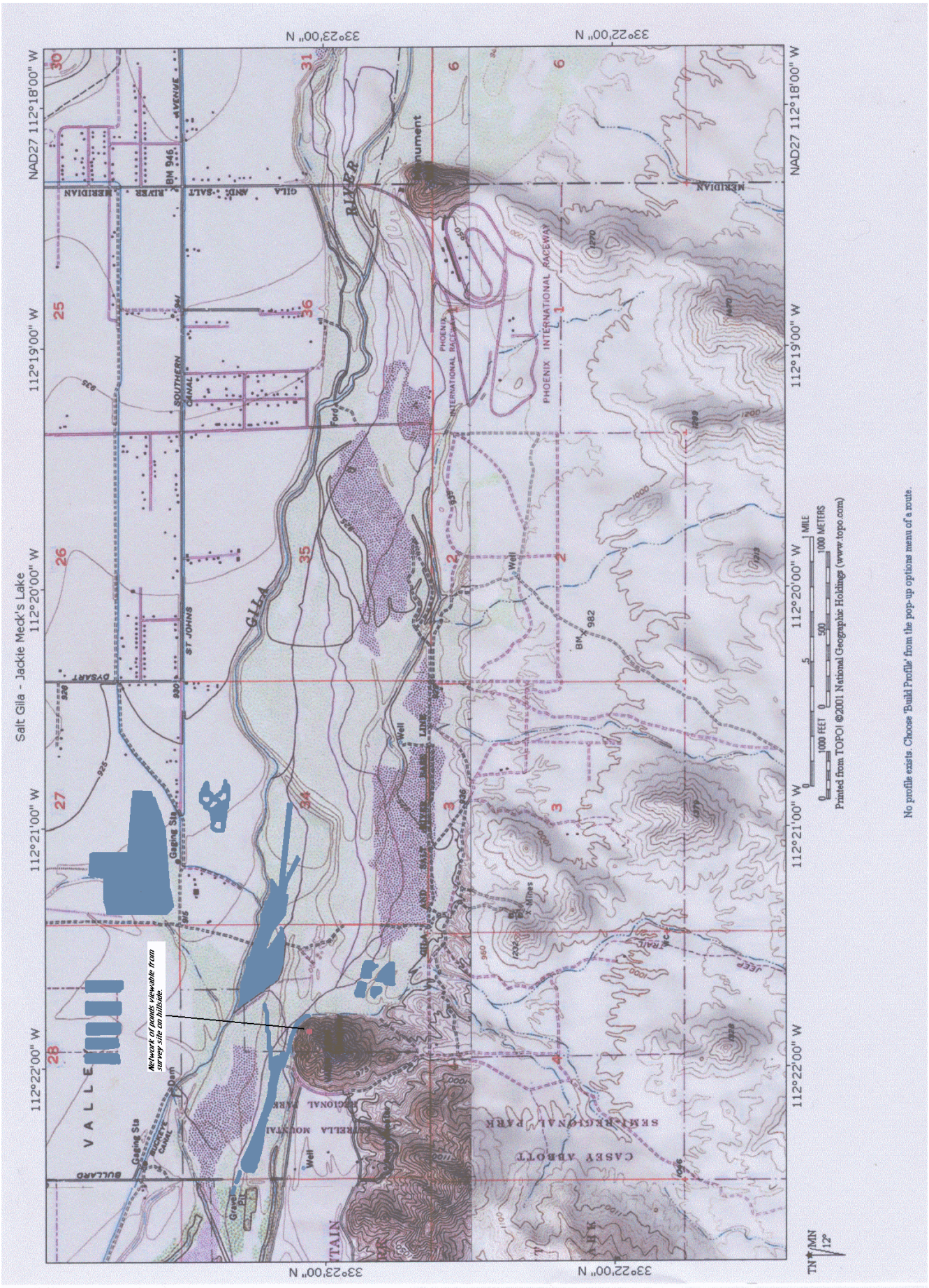
Salt Gila - Jackie Meck's Lake
by Bob McCormick

This CENSUS Survey is located at the North East corner of Estrella Mountain Regional Park on top of the hill just East of where Vineyard turns south. Parking is located at the bend in Vineyard inside the park. Parking along Vineyard may result in a fine. The Park usually waives the entry fee. A gate opens in the fence to afford crossing Vineyard. A steep ¼ mile trail leads to the top of the hill. A nice flat spot gives a great view of the lake and the many ponds to the north. An additional vantage point overlooks the canal and river as it disappears underground just before the Bullard Bridge. The Lake is approximately ¾ miles long and up to 200 yards wide. Riparian trees and reeds surround the lake. Desert scrub covers the hillside and areas adjacent to the river.

This survey was conducted three times. The two evening surveys were very enjoyable as the viewing conditions were spectacular. A 60x scope easily identifies any duck on Jackie Meck's Lake and most of the other ponds located in the gravel pits near by. Morning surveys appear not to be worth the time as by sun-up, most birds have already left and the sun reflects right off the lake making viewing very difficult.

Evening surveys at this location are very enjoyable as most of the city is in view. The sunsets can also be spectacular. Easily the biggest highlight is the White-faced Ibis coming in in the evening to roost in the lake. The March 2006 survey estimated 950 and they were still coming as I was leaving. Other birds of interest were Willets and ring-billed Gulls.

Jackie Meck's Lake – Looking East – Photo taken in 2006



Jackie Meck's Lake showing approximate pond locations – B&M Wildlife Area is to East.

Jackie Meck's Lake Census 2008 - 35 species (77 total species since 2006)

Code	Common Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals	2007	2006
CAGO	Canada Goose													0	18	37
GADW	Gadwall													0	5	57
AMWI	American Wigeon													0	10	0
MALL	**Mallard**	3		2	6								10	21	53	20
CITE	**Cinnamon Teal**			4										4	12	0
NSHO	**Northern Shoveler**			350	100								89	539	44	1
GWTE	**Green-winged Teal**												4	4	0	3
REDH	Redhead													0	4	0
RNDU	**Ring-necked Duck**			119									40	159	19	0
BUFF	Bufflehead													0	0	2
COME	Common Merganser													0	2	3
RUDU	Ruddy Duck													0	16	8
?DUC	Unidentified duck													0	0	218
GAQU	**Gambel's Quail**				4								8	12	15	44
PBGR	**Pied-billed Grebe**	8			1								3	12	13	3
AWPE	American white pelican													0	0	4
NECO	**Neotropic Cormorant**	8												8	14	0
DCCO	**Double-crested Cormorant**	4												4	46	36
?COR	**Unidentified Cormorant**			26	3								19	48	54	70
GBHE	**Great Blue Heron**	3		3	29								2	37	33	28
GREG	**Great Egret**	8		19	8								11	46	26	4
SNEG	**Snowy Egret**	4		2	76								1	83	122	71
GRHE	**Green Heron**				1								1	2	8	0
BCNH	**Black-crowned Night-Heron**	1			5									6	13	5
WFIB	**White-faced Ibis**				37								150	187	54	1451
TUVU	Turkey vulture													0	0	1
OSPR	**Osprey**	1			1								1	3	4	2
NOHA	Northern Harrier													0	1	0
COHA	Cooper's hawk													0	0	1
RTHA	Red-tailed Hawk												1	1	2	0
AMKE	American Kestrel													0	1	1
MERL	Merlin													0	0	1
?FAL	Unidentified Falcon													0	1	0
VIRA	Virginia Rail													0	1	0
?RAI	Unidentified Rail													0	2	0
COMO	**Common Moorhen**	3			2									5	2	1
AMCO	**American Coot**	10		64	89								169	332	262	197
KILL	**Killdeer**				2									2	15	5
BNST	**Black-necked Stilt**			5	24									29	24	8
GRYE	Greater Yellowlegs													0	4	3
WILL	Willet													0	0	4
LESA	Least Sandpiper													0	11	0
AMAV	**American Avocet**				2									2	0	1
LBDO	**Long-billed Dowitcher**				1									2	5	6
RBGU	Ring-billed gull													0	0	4
RODO	Rock dove													0	0	1
WWDO	White-winged Dove													0	302	2
MODO	**Mourning Dove**			4	4								16	24	254	20
GHOW	Great horned owl													0	0	1
ANHU	Anna's Hummingbird													0	1	0
?SEL	Unidentified Selasphorus sp. (BTLH, RUHU, ALHU)													0	1	1
BEKI	**Belted Kingfisher**	1											1	2	5	3
GIWO	**Gila Woodpecker**	2											1	3	2	1
NOFL	Northern Flicker													0	2	0
BLPH	Black Phoebe													0	1	0
SAPH	Say's phoebe													0	0	1
WEKI	Western kingbird													0	0	2
CORA	Common raven													0	0	1
TRES	**Tree Swallow***			35										35	0	0
VGSW	Violet-green swallow													0	0	24
NRWS	**N. Rough-winged Swallow**			8	8									16	0	28
?SWA	Unidentified Swallow													0	58	0
VERD	Verdin													0	4	0
CANW	Canyon Wren													0	3	0

MAWR	**Marsh Wren**	1							1	1	2
ROWR	Rock Wren								0	4	3
BGGN	**Blue-gray Gnatcatcher***	1							1	0	0
AMPI	**American Pipit***		1						1	0	0
YRWA	**Yellow-rumped Warbler**	15							15	0	1
COYE	Common Yellowthroat								0	4	2
WETA	Western tanager								0	0	2
ABTO	***Abert's Towhee (Y)***	2						2	4	5	0
SOSP	**Song Sparrow**	1							1	2	0
WCSP	**White-crowned Sparrow**							65	65	4	0
NOCA	Northern Cardinal								0	2	1
RWBL	**Red-winged Blackbird**	400	165	150				90	805	273	270
YHBL	**Yellow-headed Blackbird**							365	365	46	65
UNBL	Unidentified blackbird								0	0	215
GTGR	**Great-tailed Grackle**	2	14	4					20	62	0
LEGO	Lesser Goldfinch								0	2	0
HOSP	House Sparrow								0	4	0
COYO	Coyote								0	2	0

Notes: Bold indicates species observed this year. Italicized indicates watch list species (Level Red or Yellow).
Shades indicate general temperature ranges.
* New this year

Survey		
4169	1/27/2008	JML_C1
6256	3/15/2008	JML_C1
6257	4/6/2008	JML_C1
6919	12/21/2008	JML_C1
4171	1/27/2008	JML_SUP
6922	12/21/2008	JML_SUP
6043	1/20/2007	JML_C1
6044	3/25/2007	JML_C1
6248	5/20/2007	JML_C1
6754	8/5/2007	JML_C1
6251	9/8/2007	JML_C1
6250	8/5/2007	JML_SUP
6252	9/8/2007	JML_SUP
5933	1/28/2006	JML_C1
5932	3/12/2006	JML_C1
5931	7/9/2006	JML_C1

Salt Gila - Robbins Butte
by Andree Tarby

This CENSUS Survey is located on the Robbins Butte State Wildlife Area, on the south bank of the Gila River west of State Route 85. It is accessed by taking a dirt road off SR85, then following the sign to Powers Butte and bearing right on a informal road running back toward the river on the south and west sides of Robbins Butte. The informal road is not signed and is very muddy after rain. A short hike up the Butte leads to a vantage point with good views both up and down stream and a spot to set up a scope. Footing on the butte itself is treacherous because of the steep slope and loose rock.

In the river bed itself are some stands of cottonwood, many stretches of salt cedar, and several extensive cattail marshes. The surrounding area includes a remnant of mesquite bosque and desert scrub. Evening viewing has proved to be most productive as it allows counting Great and Snowy egrets as they fly in to a rookery for the night. Ducks are not numerous on this stretch of river, but a group of Cinnamon Teal wintered here and a flock of Lesser Scaup was present in migration. Coots and mallards are present as are the other herons: Green, Great-blue, and Black-crowned Night.

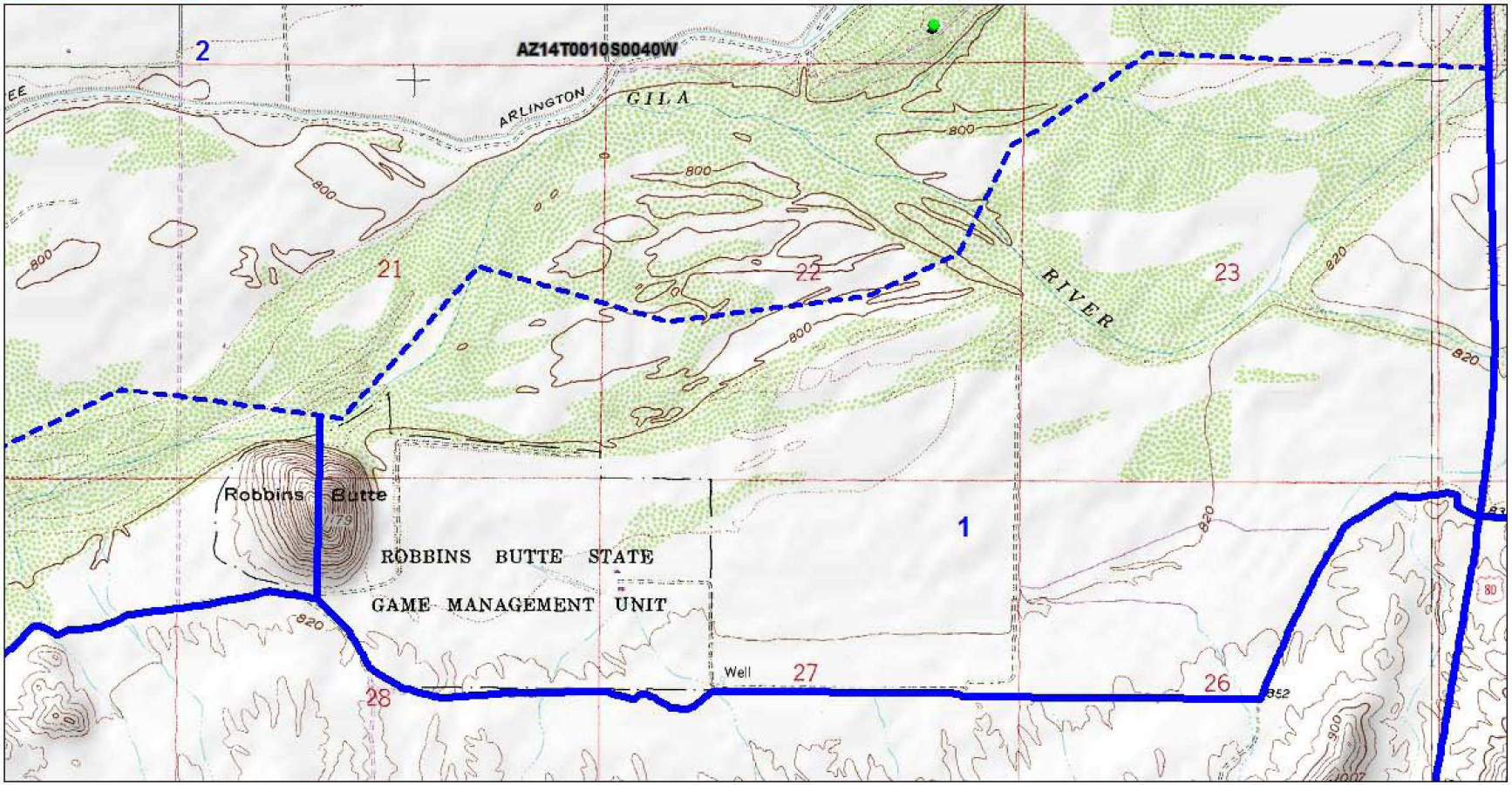
Winter was significant for the high numbers of Red-winged and Yellow-headed blackbirds. Best estimates were well over 4000 Yellow-headed and approximately 3000 Red-wings roosting in the cattails. At the May Census, no Yellow-headed were present, but Red-winged persisted. A number of Lesser Nighthawks were present as well as large numbers of White-winged and Mourning doves concealed in the vegetation calling constantly. Occasional rail calls have been heard but more surveying is needed to assess their presence along this stretch of river.

Robbins Butte looking North-west – Photo taken in 2006

Salt Gila IBA - Robbin's Butte

DeLORME

XMap® 4.5



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MN (11.6° E)

0 200 400 600 800 1000 1200 1400 m

Data Zoom 13-0

Robbin's Butte Wildlife Area Census 2008 - 18 species (66 total species since 2006)

Code	Common Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals	2007	2006
MALL	Mallard													0	3	5
CITE	Cinnamon Teal													0	1	12
LESC	Lesser Scaup													0	5	0
GAQU	Gambel's Quail													0	2	18
PBGR	Pied-billed Grebe													0	4	7
EAGR	Eared Grebe													0	0	1
NECO	**Neotropic Cormorant**				1									1	11	5
DCCO	**Double-crested Cormorant**				7									7	39	65
LEBI	Least Bittern													0	2	1
GBHE	**Great Blue Heron**				2									2	10	14
GREG	**Great Egret**				37									37	36	57
SNEG	Snowy Egret													0	131	235
GRHE	Green Heron													0	5	4
BCNH	Black-crowned Night-Heron													0	5	6
WFIB	**White-faced Ibis***				60									60	0	0
BLVU	Black Vulture													0	0	1
TUVU	Turkey Vulture													0	2	0
OSPR	Osprey													0	4	0
NOHA	Northern Harrier													0	0	1
RTHA	Red-tailed Hawk													0	1	1
?HAW	**Unidentified Hawk***				1									1	0	0
?ACC	Unidentified Accipiter													0	0	1
VIRA	Virginia Rail													0	2	1
SORA	Sora													0	0	1
COMO	Common Moorhen													0	4	6
AMCO	**American Coot**				10									10	33	25
KILL	Killdeer													0	1	2
BNST	Black-necked Stilt													0	0	3
WWDO	**White-winged Dove**				3									3	18	21
MODO	**Mourning Dove**				4									4	61	24
GHOW	Great Horned Owl													0	1	0
LENI	**Lesser Nighthawk**				1									1	41	3
COPW	Common Poorwill													0	0	1
ANHU	Anna's Hummingbird													0	0	1
BEKI	Belted Kingfisher													0	2	1
GIWO	Gila Woodpecker													0	2	1
LBWO	Ladder-backed Woodpecker													0	0	3
BLPH	Black Phoebe													0	0	2
ATFL	Ash-throated Flycatcher													0	2	1
STFL	Scissor-tailed Flycatcher		<---	bad	record?									0	0	1
CAKI	Cassin's Kingbird													0	1	0
WEKI	Western Kingbird													0	5	0
LOSH	Loggerhead Shrike													0	0	1
NRWS	Northern Rough-winged Swallow													0	37	6
BANS	Bank Swallow													0	6	0
CLSW	Cliff Swallow													0	15	3
VERD	Verdin													0	1	5
BEWR	Bewick's Wren													0	0	1
MAWR	Marsh Wren													0	0	3
BTGN	Black-tailed Gnatcatcher													0	0	6
CBTH	Curve-billed Thrasher													0	1	0
LUWA	*Lucy's Warbler (Y)*													0	4	0
YRWA	Yellow-rumped Warbler													0	0	1
COYE	Common Yellowthroat													0	4	9
WIWA	Wilson's Warbler													0	5	0
YBCH	Yellow-breasted Chat													0	4	3
ABTO	*Abert's Towhee (Y)*				2									2	7	2
SOSP	Song Sparrow				2									2	6	17
WCSP	White-crowned Sparrow													0	0	10
DEJU	Dark-eyed Junco													0	0	1
NOCA	Northern Cardinal													0	1	3
RWBL	**Red-winged Blackbird**				1000									1000	3537	2303
YHBL	**Yellow-headed Blackbird**				1									1	1880	4083
?BLA	Unidentified Blackbird													0	0	2000

GTGR	Great-tailed Grackle													0	0	1
BROC	Bronzed Cowbird													0	0	5
BHCO	Brown-headed Cowbird													0	0	17
HOOR	Hooded Oriole													0	0	4
HOFI	**House Finch**				1									1	4	8
LEGO	**Lesser Goldfinch***				9									9	0	0
BEAV	Beaver													0	1	0

Notes: Bold indicates species observed this year. Italicized indicates watch list species (Level Red or Yellow).
Shades indicate general temperature ranges.
* New this year

Data sets

6925	4/8/2008	RBW_C1
6926	4/8/2008	RBW_SUP
6753	3/25/2007	RBW_C1
6253	4/14/2007	RBW_C1
6254	5/16/2007	RBW_C1
2761	4/15/2007	RBW_PC1
2760	4/15/2007	RBW_PC2
2759	4/18/2007	RBW_PC3
5953	4/2/2006	RBW_C1
5954	4/14/2006	RBW_C1
5955	8/8/2006	RBW_C1
5961	10/28/2006	RBW_C1
5962	10/29/2006	RBW_C1

Salt Gila - Arlington Wildlife Area
by Tice Supplee

This CENSUS Survey is at the Arizona Game and Fish Department Arlington Wildlife Area located at the south end of the Arlington School Road. The site is located on the west side of the Gila River directly across from the Powers Butte Wildlife Area. The directions are I-10 west to US 85 and drive south on US 80 to Hazen Road. West on Hazen Road to "T" intersection and turn right. At next "T" turn right onto Old Highway 80. Drive west past Palo Verde, Hassayampa Store and the Arlington Post Office. Turn left or south onto Arlington School Road. Stay on road to end of pavement and continue on dirt road to the Arlington Wildlife Area white gate. Limited parking is at the gate. Walk in access is very easy. First pond is immediately past the pump house.

Census protocol is to walk south along the west side of ponds one and two and return between ponds one/two and three/four. Standard binoculars easily identified all birds on the ponds and immediately adjacent habitat. This survey was done twice during the morning. The first survey was in April within days of water being restored to the ponds that had been dry for renovation. The second survey was done a month later. Red-winged and Yellow-headed Blackbirds were using the reed habitat almost immediately. Yuma Clapper Rails were detected on two marshbird surveys conducted in April and May of 2006. The adjacent salt cedar had large numbers of calling mourning and white-winged doves during both surveys.

Survey conditions are best at this location at sunrise before the blackbirds have dispersed. The probability of detecting marshbirds and waterfowl is best at this time.

No photos available

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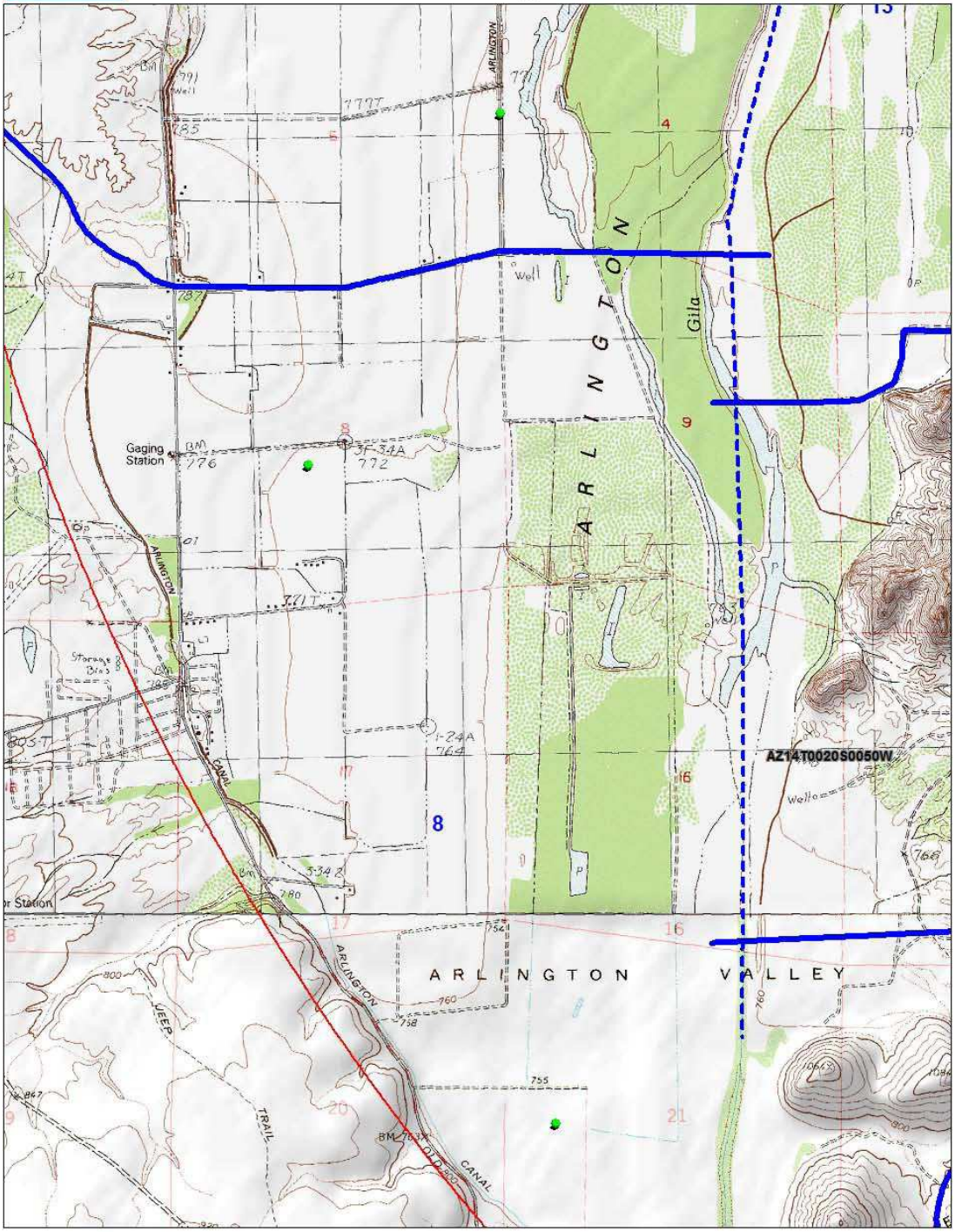
Salt Gila IBA - Arlington Ponds

XMap® 4.5



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MN (11.6° E)

0 200 400 600 800 1000 1200 m

Data Zoom 13-0

Arlington Wildlife Area Census 2008 - 0 species (69 total species since 2006)

Code	Common Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals	2007	2006
MALL	Mallard													0	62	9
MALLM	Mallard (Mexican subspecies)													0	1	0
BWTE	Blue-winged Teal													0	11	0
CITE	Cinnamon Teal													0	93	0
NSHO	Northern Shoveler													0	3	0
GWTE	Green-winged Teal													0	3	0
COME	Common Merganser													0	4	0
GAQU	Gambel's Quail													0	128	6
GBHE	Great Blue Heron													0	7	0
GREG	Great Egret													0	10	0
SNEG	Snowy Egret													0	42	0
GRHE	Green Heron													0	0	1
BCNH	Black-crowned Night-Heron													0	16	0
WFIB	White-faced Ibis													0	1	0
NOHA	Northern Harrier													0	2	0
COHA	Cooper's Hawk													0	3	0
RTHA	Red-tailed Hawk													0	1	0
CLRA	*Clapper Rail (Yuma) (Y)*													0	30	0
VIRA	Virginia Rail													0	1	0
SORA	Sora													0	2	0
COMO	Common Moorhen													0	22	11
AMCO	American Coot													0	40	11
KILL	Killdeer													0	30	12
BNST	Black-necked Stilt													0	12	0
SPSA	Spotted Sandpiper													0	5	0
LESA	Least Sandpiper													0	11	3
LBDO	Long-billed Dowitcher													0	3	0
WISN	Wilson's Snipe													0	8	0
BLTE	Black Tern													0	1	0
WWDO	White-winged Dove													0	159	42
MODO	Mourning Dove													0	237	7
GRRO	Greater Roadrunner													0	2	0
CONI	Common Nighthawk													0	1004	0
BCHU	Black-chinned Hummingbird													0	2	0
ANHU	Anna's Hummingbird													0	1	0
COHU	*Costa's Hummingbird (Y)*													0	2	0
GIWO	Gila Woodpecker													0	2	0
LBWO	Ladder-backed Woodpecker													0	2	0
BLPH	Black Phoebe													0	2	0
WEKI	Western Kingbird													0	1	0
HUVI	Hutton's Vireo													0	1	0
VGSW	Violet-green Swallow													0	95	0
NRWS	Northern Rough-winged Swallow													0	368	0
BANS	Bank Swallow													0	1	0
CLSW	Cliff Swallow													0	275	0
BARS	Barn Swallow													0	32	0
BEWR	Bewick's Wren													0	0	1
MAWR	Marsh Wren													0	26	3
AMPI	American Pipit													0	1	0
OCWA	Orange-crowned Warbler													0	8	0
YWAR	Yellow Warbler													0	4	0
YRWA	Yellow-rumped Warbler													0	12	0
TOWA	Townsend's Warbler													0	1	0
COYE	Common Yellowthroat													0	56	3
WIWA	Wilson's Warbler													0	27	0
ABTO	*Abert's Towhee (Y)*													0	78	5
RWSP	*Rufous-winged Sparrow (Y)*													0	42	0
CHSP	Chipping Sparrow													0	15	0
BRSP	*Brewer's Sparrow (Y)*													0	10	0
SOSP	Song Sparrow													0	129	3
LISP	Lincoln's Sparrow													0	6	0
WCSP	White-crowned Sparrow													0	338	0
LAZB	Lazuli Bunting													0	3	0
RWBL	Red-winged Blackbird													0	8767	114

YHBL	Yellow-headed Blackbird	0	652	7
GTGR	Great-tailed Grackle	0	90	15
BROC	Bronzed Cowbird	0	59	0
BHCO	Brown-headed Cowbird	0	142	4
HOFI	House Finch	0	38	0
LEGO	Lesser Goldfinch	0	1	0

Notes: Bold indicates species observed this year. Italicized indicates watch list species (Level Red or Yellow).
Shades indicate general temperature ranges.
* New this year

Data sets

No surveys conducted for 2008

6317	3/12/2007	ARW_C1
6318	4/8/2007	ARW_C1
3733	4/17/2007	ARW_C1
6319	4/17/2007	ARW_C1
6320	4/20/2007	ARW_C1
6321	4/28/2007	ARW_C1
6322	5/28/2007	ARW_C1
6323	4/28/2007	ARW_SUP

5927	4/14/2006	ARW_C1
5928	4/14/2006	ARW_C1
5929	4/14/2006	ARW_C1
5930	4/14/2006	ARW_C1
5956	5/17/2006	ARW_C1

Salt Gila - Tres Rios Wetlands
by Daniela Yellan

Located north of the Gila River, adjacent to the 91st Avenue Wastewater Treatment Plant, this 25 acre demonstration wetlands was constructed in an optimum design configuration for water quality improvement and increased habitat value.

The Hayfield site is located on what was once an old agricultural field on a level terrace that is situated above the Salt River flood way and would only be subject to flood flows that are in excess of the 100 year flood.

Construction on the Hayfield Site began in the spring of 1995. Each of the sites was primarily planted with soft-stem bulrush (scripus validus) from Kingman, Arizona, and three-squared bulrush (S. olneyi) from Casa Grande, Arizona. Since 1995, over 200 live trees and seedlings have been planted.

After a few weeks, the vegetation began to undergo tremendous growth. At this time, other landscape plants were added.

After a year, the site had developed into a full wetland ecosystem. The vegetation had reached its full potential and wildlife began to call the Hayfield wetland home.

The flow of the two Hayfield basins are combined underground and discharged into a pool/riffle system (known as HS EFF) which conveys the flows into a long-standing riparian corridor. The riparian corridor is located along the south side of the site and consists of mature cottonwoods, willows, elderberry and other various deciduous trees and shrubs.

From time to time the Phoenix Fire Department conducts controlled prescribed burns of the south(west) basin for the purpose of eradicate undesirable plant species. The benefits from such prescribed burns to riparian areas and wetlands are numerous.

The following list is a short summary:

- Minimizes alteration of vegetation with the riparian and wetland areas
- Provides important inputs (debris and litter) to the water body
- Retains nutrients, sediment, and energy in the system
- Releases plant nutrients following the burn
- Makes new green shoots, roots, and rhizomes of grasses available to waterfowl
- Exposes fallen seed for waterfowl.

The Hayfield site north basin was reconfigured in the spring of 2003 to include hummocks. Hummocks are small contoured mounds that provide a gradient of water depths to control vegetation and increase the hydraulic mixing. Subsequently, by design, hummocks allow open access for mosquito control measures. The basin since then has been very closely monitored to see how depth, species selection, water chemistry, soil chemistry, and various other factors influence vegetation growth. A team of scientists from the Bureau of Reclamation, United States Department of Agriculture, U.S. Geological Survey, and Wass Gerke & Associates have been conducting this research.

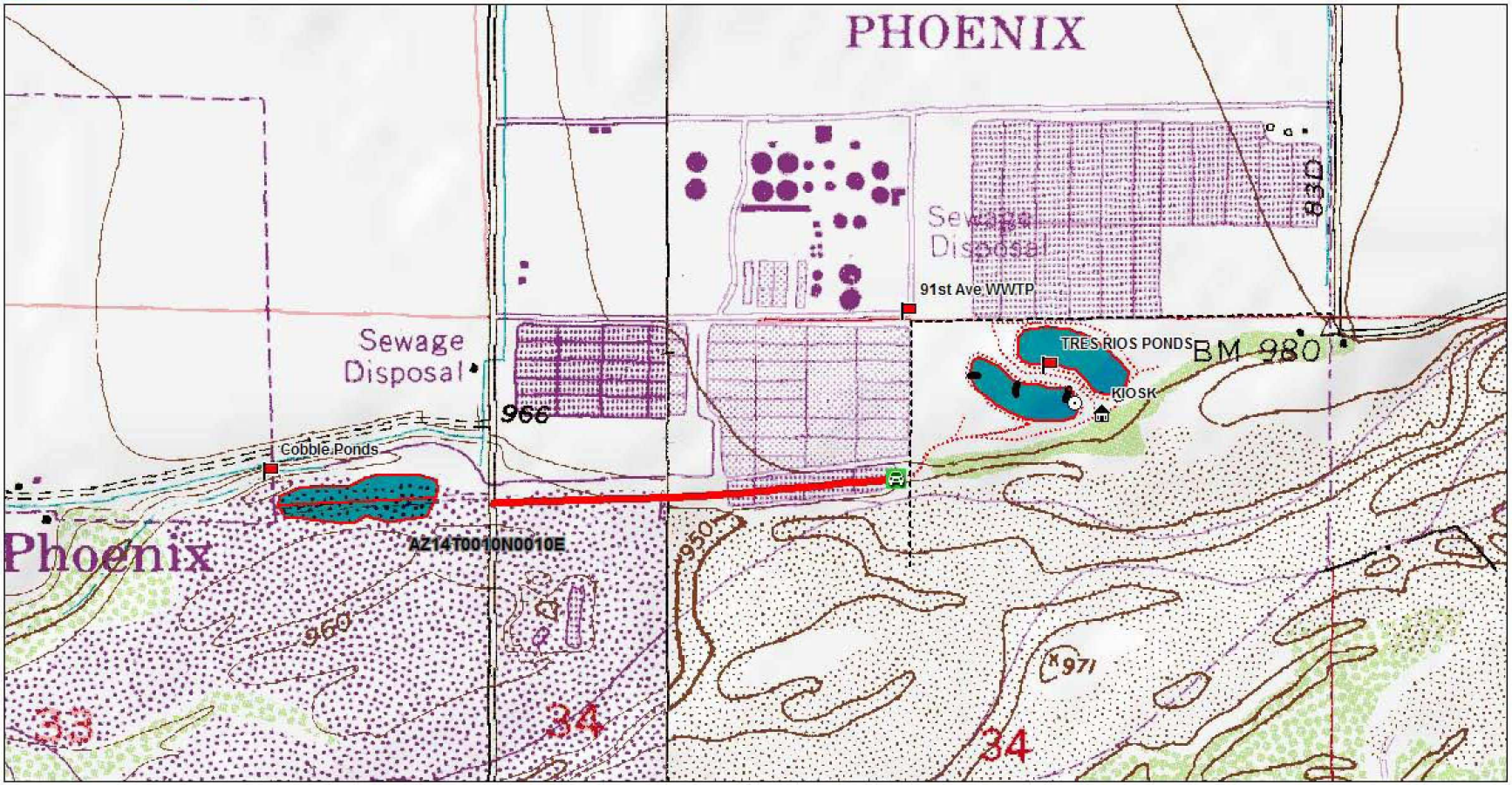
Tres Rios Wetlands - East pond April 2006

Tres Rios Great Blue Heron family Photo by John Hardison

Salt Gila IBA - Tres Rios Wetlands

DeLORME

XMap® 4.5



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www.delorme.com

MN (11.5° E)

0 140 280 420 560 700 m

Data Zoom 14-0

Tres Rios Area Search 2008 - 71 species (96 total species since 2006)

Code	Common Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals	2007	2006
CAGO	Canada Goose													0	6	0
WODU	Wood Duck													0	1	0
GADW	Gadwall													0	0	4
AMWI	**American Wigeon**											6		6	0	7
MALL	**Mallard**	39		4	20							25		88	102	87
BWTE	**Blue-winged Teal**			2	12							20		34	0	27
CITE	**Cinnamon Teal**			12	8							16		36	1	9
NSHO	**Northern Shoveler**	10			7							3		20	4	91
NOPI	**Northern Pintail**	2										3		5	0	5
GWTE	**Green-winged Teal**	10										18		28	83	4
RNDU	**Ring-necked Duck**	6												6	3	5
COME	Common Merganser													0	0	3
RUDU	**Ruddy Duck**	10		2										12	8	7
?DUC	Unidentified Duck													0	0	21
GAQU	**Gambel's Quail**	32		5	50							6		93	11	77
PBGR	**Pied-billed Grebe**	5		5	3							1		14	1	11
EAGR	Eared Grebe													0	0	1
NECO	**Neotropic Cormorant**	40		200	60							10		310	36	75
DCCO	**Double-crested Cormorant**	100		25	40							16		181	40	214
?COR	Unidentified Cormorant													0	0	1
GBHE	**Great Blue Heron**	20		15	26							8		69	6	66
GREG	**Great Egret**	10		16	20							10		56	14	35
SNEG	**Snowy Egret**	15		5	20							1		41	3	33
CAEG	**Cattle Egret**													0	0	268
GRHE	**Green Heron**	3		3								3		9	1	11
BCNH	**Black-crowned Night-Heron**	1			9							3		13	2	55
WFIB	**White-faced Ibis**	500			1									501	390	6
BLVU	Black Vulture													0	0	1
TUVU	**Turkey Vulture**	1			12									13	0	1
OSPR	**Osprey**	1										1		2	2	7
NOHA	**Northern Harrier**	4										1		5	1	0
SSHA	**Sharp-shinned Hawk***	1												1	0	0
COHA	**Cooper's Hawk**	2		1										3	0	2
RTHA	**Red-tailed Hawk**	1										1		2	2	7
PEFA	**Peregrine Falcon***			1										1	0	0
VIRA	**Virginia Rail**			1	1									2	0	0
COMO	**Common Moorhen**	5		5	3							12		25	4	25
AMCO	**American Coot**	30		20	27							15		92	10	118
KILL	**Killdeer**				7							3		10	3	19
BNST	**Black-necked Stilt**	6		1	30							3		40	0	15
LEYE	**Lesser Yellowlegs***	1												1	0	0
SPSA	Spotted Sandpiper													0	1	5
?SAN	Unidentified Sandpiper													0	0	5
LBDO	**Long-billed Dowitcher***	1			3									4	0	0
RBGU	**Ring-billed Gull**	6												6	0	0
ROPI	**Rock Pigeon***			15								1		16	0	0
WWDO	**White-winged Dove**		1		1									1	0	22
MODO	**Mourning Dove**	22	2	25	25							70		142	14	323
?GDO	Unidentified Ground-Dove													0	0	4
GRRO	Greater Roadrunner													0	0	2
ANHU	**Anna's Hummingbird**	1	2	1	3							2		7	0	16
BEKI	**Belted Kingfisher**	1										1		2	0	4
GIWO	**Gila Woodpecker**	7	1	2	2							2		13	4	16
RNSA	**Red-naped Sapsucker***	1	1									1		2	0	0
LBWO	**Ladder-backed Woodpecker**	1		1										2	6	4
NOFL	**Northern Flicker**	3	1									3		6	3	1
COFL	**Cordilleran Flycatcher***				1									1	0	0
BLPH	**Black Phoebe**	3	2		3							2		8	2	15
SAPH	Say's Phoebe													0	0	1
VEFL	**Vermilion Flycatcher**		5											0	0	1
ATFL	**Ash-throated Flycatcher**	1		3										4	0	4
WEKI	Western Kingbird													0	0	8
CORA	Common Raven													0	2	0
NRWS	**N. Rough-winged Swallow**		1		100							2		102	0	20

CLSW	**Cliff Swallow**			75	100					175	0	21
VERD	**Verdin**	5	2	20	10				4	39	4	48
CACW	**Cactus Wren**		2							0	0	1
BEWR	**Bewick's Wren**			2						2	0	3
HOWR	**House Wren**		4							0	0	1
MAWR	**Marsh Wren**	3							1	4	7	19
RCKI	**Ruby-crowned Kinglet**	5	7	1					1	7	11	28
BGGN	**Blue-gray Gnatcatcher***	4			1					5	0	0
BTGN	**Black-tailed Gnatcatcher**			1						1	0	9
HETH	**Hermit Thrush***	1	1							1	0	0
NOMO	**Northern Mockingbird**		2							0	0	2
CBTH	**Curve-billed Thrasher**		500							0	0	1
CRTH	**Crissal Thrasher**	2								2	0	0
EUST	**European Starling**	30	140	25	30				22	107	34	42
AMPI	**American Pipit***								35	35	0	0
PHAI	**Phainopepla**				1					1	0	9
OCWA	**Orange-crowned Warbler**	6		1						7	3	35
LUWA	***Lucy's Warbler (Y)***	1								1	0	5
YWAR	**Yellow Warbler**			5	3					8	1	1
YRWA	**Yellow-rumped Warbler**	75		17	6				40	138	15	188
COYE	**Common Yellowthroat**			5	8					13	0	23
WIWA	**Wilson's Warbler**			1						1	0	4
WETA	Western Tanager									0	0	1
GTTO	Green-tailed Towhee									0	0	1
ABTO	***Abert's Towhee (Y)***	19		9	10				5	43	20	88
CHSP	Chipping Sparrow									0	0	5
SOSP	**Song Sparrow**	3		7	8				2	20	5	35
LISP	**Lincoln's Sparrow**	2								2	2	10
WCSP	**White-crowned Sparrow**	40		12	3					55	5	116
NOCA	**Northern Cardinal**	2			2					4	1	8
RWBL	**Red-winged Blackbird**	2000		2000	1000				1000	6000	0	248
YHBL	**Yellow-headed Blackbird**	500		30					500	1030	0	1
?BLA	Unidentified Blackbird									0	0	20
GTGR	**Great-tailed Grackle**	23		30	23				15	91	34	53
BHCO	**Brown-headed Cowbird**			3	15					17	0	36
HOFI	**House Finch**	3		1	1				20	25	0	6
HOSP	**House Sparrow***				3				3	6	0	0
LEGO	Lesser Goldfinch									0	0	4

Notes: Bold indicates species observed this year. Italicized indicates watch list species (Level Red or Yellow). Shades indicate general temperature ranges.
* New this year

Data sets

5942	2/25/2006	TRH_CLAS	6468	1/15/2008	TRH_CLAS
5937	1/8/2006	TRH_EP	6469	3/27/2008	TRH_CLAS
5940	2/25/2006	TRH_EP	6470	4/19/2008	TRH_CLAS
5948	4/30/2006	TRH_EP	6467	11/25/2008	TRH_CLAS
5959	7/22/2006	TRH_EP			
5934	1/8/2006	TRH_GPP	6344	1/21/2007	TRH_CLAS
5939	2/25/2006	TRH_GPP	6342	1/21/2007	TRH_EP
5949	4/30/2006	TRH_GPP	6343	1/21/2007	TRH_WP
5960	7/22/2006	TRH_GPP			
5935	1/8/2006	TRH_RBAS			
5938	1/29/2006	TRH_RBAS			
5943	2/25/2006	TRH_RBAS			
5944	2/25/2006	TRH_RBAS			
5946	4/30/2006	TRH_RBAS			
5957	7/22/2006	TRH_RBAS			
5945	2/25/2006	TRH_ROAS			
5936	1/8/2006	TRH_WP			
5941	2/25/2006	TRH_WP			
5947	4/30/2006	TRH_WP			
5958	7/22/2006	TRH_WP			

Appendix I – Species Codes and Common Names
(includes mammals, reptiles, butterflies etc)

Species	Common Name	Species	Common Name	Species	Common Name
??SA	Unidentified sapsucker	BBPL	Black-bellied plover	BTJA	Black-tailed Jackrabbit
?ACC	Unidentified accipiter	BBWA	Bay-breasted warbler	BTLH	Broad-tailed hummingbird
?BUT	Unidentified buteo	BBWD	Black-bellied whistling duck	BTNW	Black-throated green warbler
?COR	Unidentified corvid	BCCH	Black-capped chickadee	BTPI	Band-tailed pigeon
?DUC	Unidentified duck	BCFL	Brown-crested flycatcher	BTSP	Black-throated sparrow
?EGR	Unidentified egret	BCHU	Black-chinned hummingbird	BTYW	Black-throated gray warbler
?FAL	Unidentified falcon	BCNH	Black-crowned night-heron	BUFF	Bufflehead
?GRA	Unidentified grackle	BCSP	Black-chinned sparrow	BUFH	Buff-bellied hummingbird
?KIN	Unidentified kingbird	BCTI	Black-crested titmouse	BUOR	Bullock's Oriole
?NIG	Unidentified nighthawk	BCVI	Black-capped vireo	BUOW	Burrowing owl
?OWL	Unidentified owl	BDOW	Barred owl	BUSH	Bushtit
?PHO	Unidentified phoebe	BEAV	Beaver	BWHA	Broad-winged hawk
?SAN	Unidentified sandpiper	BEKI	Belted kingfisher	BWTE	Blue-winged teal
?SWA	Unidentified swan	BETH	Bendire's thrasher	BWVI	Black-whiskered vireo
?TEA	Unidentified teal	BEVI	Bell's vireo (includes Least Bell's vireo records from IBP)	BWWA	Blue-winged warbler
?THU	Unidentified thrush	BEWR	Bewick's wren	CACH	Carolina chickadee
ABDU	American black duck	BGGN	Blue-gray gnatcatcher	CACW	Cactus wren
ABTO	Abert's towhee	BHCO	Brown-headed cowbird	CAEG	Cattle egret
ACFL	Acadian flycatcher	BHGR	Black-headed grosbeak	CAFI	Cassin's finch
ACWO	Acorn woodpecker	BHVI	Blue-headed Vireo	CAGN	California gnatcatcher
ALHU	Allen's hummingbird	BLBW	Blackburnian warbler	CAGO	Canada goose
AMAV	American avocet	BLGR	Blue grosbeak	CAGU	California gull
AMBI	American bittern	BLJA	Blue jay	CAHU	Calliope hummingbird
AMCO	American coot	BLPH	Black phoebe	CAKI	Cassin's kingbird
AMCR	American crow	BLPW	Blackpoll warbler	CALT	California towhee
AMGO	American goldfinch	BLRA	Black rail	CANT	Canyon towhee
AMKE	American kestrel	BLSW	Black swift	CANW	Canyon wren
AMPI	American pipit	BLTE	Black tern	CAQU	California quail
AMRE	American redstart	BLUE	Unidentified bluebird	CARW	Carolina wren
AMRO	American robin	BLUH	Blue-throated hummingbird	CASP	Cassin's sparrow
AMWI	American wigeon	BLVU	Black vulture	CATE	Caspian tern
ANHU	Anna's hummingbird	BNOW	Barn owl	CATH	California thrasher
APFA	Aplomado falcon	BNST	Black-necked stilt	CAVI	Cassin's vireo
ATFL	Ash-throated flycatcher	BOBO	Bobolink	CAWA	Canada warbler
ATSP	American tree sparrow	BOSP	Botteri's sparrow	CBCH	Chestnut-backed chickadee
AUOR	Audubon's oriole	BRBL	Brewer's blackbird	CBHA	Common black hawk
AWPE	American white pelican	BRCR	Brown creeper	CBTH	Curve-billed thrasher
BAEA	Bald eagle	BROC	Bronzed cowbird	CCLO	Chestnut-collared longspur
BANS	Bank swallow	BRPE	Brown pelican	CCSP	Clay-colored sparrow
BAOR	Baltimore oriole	BRSP	Brewer's sparrow	CEDW	Cedar waxwing
BARS	Barn swallow	BRTH	Brown thrasher	CERW	Cerulean warbler
BASP	Baird's sparrow	BRTI	Bridled titmouse	CFPF	Unidentified COFL or PSFL
BAWW	Black-and-white warbler	BRWA	Brewster's warbler	CHRA	Chihuahuan raven
BBCU	Black-billed cuckoo	BSKI	Black-shouldered kite	CHSP	Chipping sparrow
BBFL	Buff-breasted flycatcher	BTBW	Black-throated blue warbler	CHUK	Chukar
BBLH	Broad-billed hummingbird	BTGN	Black-tailed gnatcatcher	CITE	Cinnamon teal
BBMA	Black-billed magpie	BTGR	Boat-tailed grackle	CLGR	Clark's grebe

Species	Common Name	Species	Common Name	Species	Common Name
CLNU	Clark's nutcracker	FSSP	Five-striped sparrow	HOWR	House wren
CLRA	Clapper rail	GADW	Gadwall	HRSH	Harris's hawk
CLSW	Cliff swallow	GAQU	Gambel's quail	HUVI	Hutton's vireo
CMWA	Cape May warbler	GBAN	Groove-billed ani	INBU	Indigo bunting
COFL	Cordilleran Flycatcher	GBHE	Great blue heron	INDO	Inca dove
COGD	Common ground-dove	GBTE	Gull-billed tern	JAVE	Javelina
COGO	Common goldeneye	GCFL	Great-crested flycatcher	JUTI	Juniper titmouse
COGR	Common grackle	GCKI	Golden-crowned kinglet	KEWA	Kentucky warbler
COHA	Cooper's hawk	GCSP	Golden-crowned sparrow	KILL	Killdeer
COHU	Costa's hummingbird	GCTH	Gray-cheeked thrush	LAGO	Lawrence's goldfinch
COKI	Couch's kingbird	GCWA	Golden-cheeked warbler	LARB	Lark bunting
COLW	Colima warbler	GFWO	Golden-fronted woodpecker	LASP	Lark sparrow
COME	Common merganser	GHOW	Great horned owl	LAZB	Lazuli bunting
COMO	Common moorhen	GIFL	Gilded flicker	LBCU	Long-billed curlew
CONI	Common nighthawk	GIWO	Gila woodpecker	LBDO	Long-billed dowitcher
CONW	Connecticut warbler	GKIN	Green kingfisher	LBHE	Little blue heron
COPW	Common poorwill	GKIS	Great kiskadee	LBTH	Long-billed thrasher
CORA	Common raven	GOEA	Golden eagle	LBWO	Ladder-backed woodpecker
COTT	Cottontail	GRCA	Gray catbird	LEBI	Least bittern
COYE	Common yellow-throat	GREG	Great egret	LEFL	Least flycatcher
COYO	Coyote	GREJ	Green jay	LEGO	Lesser goldfinch
CRTH	Crissal thrasher	GRFL	Gray flycatcher	LEGR	Least grebe
CSWA	Chestnut-sided warbler	GRHA	Gray hawk	LENI	Lesser nighthawk
CWWI	Chuck-will's-widow	GRHE	Green heron	LEOW	Long-eared owl
DCCO	Double-crested cormorant	GRPE	Greater pewee	LESA	Least sandpiper
DCFL	Dusky-capped flycatcher	GRRO	Greater roadrunner	LESC	Lesser Scaup
DEER	Deer (White-tailed)	GRSP	Grasshopper sparrow	LETE	Least tern
DEJU	Dark-eyed junco	GRSQ	Ground Squirrel	LEWO	Lewis's woodpecker
DICK	Dickcissel	GRVI	Gray vireo	LEYE	Lesser yellowlegs
DIRA	Diamondback Rattlesnake	GRWA	Grace's warbler	LISP	Lincoln's sparrow
DOWO	Downy woodpecker	GRYE	Greater yellowlegs	LOSH	Loggerhead shrike
DUFL	Dusky flycatcher	GTGR	Great-tailed grackle	LOWA	Louisiana waterthrush
DUNL	Dunlin	GTTO	Green-tailed towhee	LUHU	Lucifer's hummingbird
EABL	Eastern bluebird	GWFG	Greater white-fronted goose	LUWA	Lucy's warbler
EAGR	Eared grebe	GWTE	Green-winged teal	MAGO	Marbled godwit
EAKI	Eastern kingbird	GWWA	Golden-winged warbler	MAHU	Magnificent hummingbird
EAME	Eastern meadowlark	HAFL	Hammond's flycatcher	MALL	Mallard
EAPH	Eastern phoebe	HASP	Harris's sparrow	MALLH	Mallard x Mexican hybrid
EASO	Eastern screech-owl	HAWO	Hairy woodpecker	MAND	Mandarin duck
EAWP	Eastern wood-pewee	HERG	Herring gull	MAWA	Magnolia warbler
ELOW	Elf owl	HETA	Hepatic tanager	MAWR	Marsh wren
ELTR	Elegant trogon	HETH	Hermit thrush	MCLO	McCown's Longspur
ETTI	Eastern tufted titmouse	HEWA	Hermit warbler	MECH	Mexican chickadee
EUST	European starling	HFDF	Unidentified empid (HAFL or DUFL)	MEDU	Mexican duck
EVGR	Evening grosbeal	HOFI	House finch	MEJA	Mexican jay
FEHA	Ferruginous hawk	HOLA	Horned lark	MERL	Merlin
FISP	Field sparrow	HOME	Hooded merganser	MGWA	MacGillivray's warbler
FOSP	Fox sparrow	HOOR	Hooded oriole	MIKI	Mississippi kite
FOTE	Forster's tern	HOSP	House sparrow	MISS	Missing data
FRGU	Franklin's gull	HOWA	Hooded warbler	MOBL	Mountain bluebird

Species	Common Name	Species	Common Name	Species	Common Name
MOCH	Mountain chickadee	PLVI	Plumbeous Vireo	SCJA	Scrub-jay
MODO	Mourning dove	PORC	Porcupine	SATH	Sage thrasher
MODU	Mottled duck	PRFA	Prairie falcon	SAVS	Savannah sparrow
MONA	Monarch Butterfly	PROW	Prothonotary warbler	SBDO	Short-billed dowitcher
MOQU	Montezuma quail	PRWA	Prairie warbler	SBFL	Sulpur-bellied flycatcher
MORA	Mohave Rattlesnake	PSFL	Pacific-slope Flycatcher	SCOR	Scott's oriole
MOUP	Mountain plover	PUFI	Purple finch	SCQU	Scaled quail
MOUQ	Mountain quail	PUGA	Purple gallinule	SCTA	Scarlet tanager
MOWA	Mourning warbler	PUMA	Purple martin	SEOW	Short-eared owl
MUDE	Mule Deer	PYNU	Pygmy nuthatch	SEPL	Semi-palmated plover
NAWA	Nashville warbler	PYRR	Pyrrhuloxia	SEWR	Sedge wren
NBTY	Northern beardless-tyrannulet	RABB	Rabbit	SNEG	Snowy egret
NECO	Neotropic cormorant	RAVE	Unidentifiedn raven	SNGO	Snow goose
NOBO	Northern bobwhite	RBGR	Rose-breasted grosbeak	SORA	Sora
NOCA	Northern cardinal	RBGU	Ring-billed gull	SOSA	Solitary sandpiper
NOFL	Northern flicker	RBNU	Red-breasted nuthatch	SOSP	Song sparrow
NOGO	Northern goshawk	RBSA	Red-breasted sapsucker	SPPI	Spague's pipit
NOHA	Northern harrier	RBWO	Red-bellied woodpecker	SPSA	Spotted sandpiper
NOMO	Northern mockingbird	RCKI	Ruby-crowned kinglet	SPTO	Spotted Towhee
NONE	No birds	RCSP	Rufous-crowned sparrow	SQUI	Squirrel
NOPA	Northern parula	RECR	Red crossbill	SSHA	Sharp-shinned hawk
NOPI	Northern pintail	REDH	Redhead	STFL	Scissor-tailed flycatcher
NOPO	Northern pygmy-owl	REVI	Red-eyed vireo	STJA	Steller's jay
NOWA	Northern waterthrush	RFWA	Red-faced warbler	STSA	Stilt Sandpiper
NRWS	Northern rough-winged swallow	RGDO	Ruddy ground-dove	STSP	Sharp-tailed sparrow
NSHO	Northern shoveler	RHWO	Red-headed woodpecker	STWO	Strickland's Woodpecker
NSHR	Northern shrike	RINP	Ring-necked pheasant	SUTA	Summer tanager
NSWO	Northern saw-whet owl	RITD	Ringed turtle-dove	SWHA	Swainson's hawk
NUWO	Nuttall's woodpecker	RLHA	Rough-legged hawk	SWSP	Swamp sparrow
OATI	Oak titmouse	RNDU	Ring-necked duck	SWTH	Swainson's thrush
OCWA	Orange-crowned warbler	RNPH	Red-necked phalarope	SWWA	Swainson's warbler
OLSP	Olive sparrow	RNSA	Red-naped sapsucker	TACH	Unidentified Tachycineta sp.
OLWA	Olive warbler	ROCK	Rock Squirrel	TBKI	Thick-billed kingbird
OROR	Orchard oriole	RODO	Rock dove	TEWA	Tennessee warbler
OSFL	Olive-sided flycatcher	ROGO	Ross's goose	THRA	Unidentified (CBTH or CRTH)
OSPR	Osprey	ROWR	Rock wren	THWH	Townsend's X hermit warbler hybrid
OVEN	Ovenbird	RSHA	Red-shouldered hawk	TOSO	Townsend's solitaire
PABU	Painted bunting	RSTO	Rufous-sided towhee	TOWA	Townsend's warbler
PARE	Painted redstart	RTBE	Rose-throated becard	TRBL	Tri-colored blackbird
PAUR	Pauraque	RTHA	Red-tailed hawk	TRES	Tree swallow
PAWA	Palm Warbler	RTHU	Ruby-throated hummingbird	TRHE	Tricolored heron
PBGR	Pied-billed grebe	RUBL	Rusty blackbird	TRKI	Tropical kingbird
PEFA	Peregrine falcon	RUDU	Ruddy duck	TTWO	Three-toed woodpecker
PFLO	Peach-faced Lovebird	RUHU	Rufous hummingbird	TUVU	Turkey vulture
PHAI	Phainopepla	RWBL	Red-winged blackbird	UIFI	Unidentified Carpodacus sp.
PHVI	Philadelphia vireo	RWSP	Rufous-winged sparrow	UNAI	Unidentified Aimophila
PIJA	Pinyon jay	SACR	Sandhill crane	UNAM	Unidentified Ammodramus sp.
PISI	Pine siskin	SAGS	Sage sparrow	UNAY	Unidentified Aythya
PIWA	Pine warbler	SAND	Sanderling	UNBL	Unidentified blackbird
PIWO	Pileated woodpecker	SAPH	Say's phoebe	UNCA	Unidentified Calcarius sp.

Species	Common Name	Species	Common Name	Species	Common Name
UNFLIK	Unidentified flicker sp.	VIWA	Virginia's warbler	YHBL	Yellow-headed blackbird
UNGD	Unidentified ground dove	VOLE	Vole	YRWA	Yellow-rumped warbler
UNGO	Unidentified goldfinch	WAVI	Warbling vireo	YTVI	Yellow-throated vireo
UNGR	Unidentified grebe	WBNU	White-breasted nuthatch	YTWA	Yellow-throated warbler
UNGU	Unidentified gull	WCSP	White-crowned sparrow	YWAR	Yellow warbler
UNHA	Unidentified hawk	WEBL	Western bluebird	ZTHA	Zone-tailed hawk
UNHE	Unidentified heron	WEGR	Western grebe		
UNHU	Unidentified hummingbird	WEKI	Western kingbird		
UNID	Unidentified bird	WEME	Western meadowlark		
UNJA	Unidentified jay	WESJ	Western scrub-jay		
UNME	Unidentified meadowlark	WESO	Western screech-owl		
UNMO	Unidentified Molothrus sp.	WETA	Western tanager		
UNMY	Unidentified Myiarchus sp.	WEVI	White-eyed vireo		
UNNU	Unidentified nuthatch	WEWA	Worm-eating warbler		
UNOR	Unidentified oriole	WEWP	Western wood-pewee		
UNPH	Unidentified phalarope	WFIB	White-faced Ibis		
UNPI	Unidentified Picoides sp.	WHCR	Whooping Crane		
UNRA	Unidentified rail	WHIB	White ibis		
UNSE	Unidentified Selasphorus sp.	WHIM	Whimbrel		
UNSH	Unidentified shorebird	WIFL	Willow flycatcher		
UNSP	Unidentified sparrow	WILL	Willet		
UNSW	Unidentified swallow	WIPH	Wilson's phalarope		
UNSZ	Unidentified Spizella sp. (?SPI=CHSP/BRSP/CCSP)	WISA	Williamson's sapsucker		
UNTA	Unidentified tanager	WISN	Wilson's snipe		
UNTO	Unidentified towhee sp.	WITU	Wild turkey		
UNTY	Unidentified Tyrannus sp.	WIWA	Wilson's warbler		
UNUM	Unidentified Numernius sp.	WIWR	Winter wren		
UNVI	Unidentified vireo	WODU	Wood duck		
UNWA	Unidentified warbler	WOTH	Wood thrush		
UNWO	Unidentified woodpecker	WPWA	Western palm warbler		
UNWR	Unidentified wren	WPWI	Whip-poor-will		
UPSA	Upland sandpiper	WREN	Wrentit		
VABU	Varied bunting	WTDO	White-tipped dove		
VASW	Vaux's swift	WTSP	White-throated sparrow		
VCHU	Violet-crowned hummingbird	WTSW	White-throated swift		
VEER	Veery	WWCR	White-winged crossbill		
VEFL	Vermilion flycatcher	WWDO	White-winged dove		
VERD	Verdin	XDOW	Unidentified dowitcher		
VESP	Vesper sparrow	XXEM	Unidentified empidonax		
VGSW	Violet-green swallow	XXGN	Unidentified gnatcatcher		
VIRA	Virginia rail	YBCH	Yellow-breasted chat		
UNCAR	Unidentified Carduelis or Carpodacus sp.	YBCU	Yellow-billed cuckoo		
UNCARD	Unidentified Cardinalis sp.	WESJ	Western scrub-jay		
UNCO	Unidentified cormorant	YBFL	Yellow-bellied flycatcher		
UNDE	Unidentified Dendroica sp.	YBSA	Yellow-bellied sapsucker		
UNDO	Unidentified Columbiana sp.	YCNH	Yellow-crowned night-heron		
UNFL	Unidentified flycatcher	YEJU	Yellow-eyed junco		

Appendix II - Breeding Behavior Codes

behavior_code	definition
A	Agitated behavior or anxiety calls from adult.
B	Nest building by some species of wrens* (Cactus, Bewick's, House, Marsh)and Verdin or excavations by woodpeckers.
C	Courtship behavior or copulation, includes displays and food exchange.
CF	Adult carrying food, except raptors, corvids, roadrunners, shrikes, and kingfishers.
CN	Carrying nesting materials (e.g. sticks, mud and cobwebs) except wrens* and Verdin.
DD	Distraction display, defense of unknown nest or young, or injury feigning.
FL	Recently fledged young of altricial species incapable of sustained flight or downy young of precocial species restricted to the natal area by dependence or limited mobility.
FS	Adult carrying fecal sack.
FY	Adult feeding recently fledged young.
N	Visiting probable nest site, but no further breeding evidence obtained.
NB	Nest building on the actual next-site, except the wrens* and Verdin.
NE	Nest with egg(s).
NY	Nest with young seen or heard.
ON	Occupied nest: adults entering or leaving a nest site in circumstances indicating an occupied nest, includes high tree, cliff or cavity/burrow nests that cannot be seen.
P	Pair observed in suitable habitat during breeding season.
S	Individuals singing.
T	Permanent territory assumed through defense of territory.
UN	Used nest or eggshells found - these must be carefully identified.