

Annual Banding Summary
Rio Mesa Center
2014

The Şekercioğlu Lab

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Rio Mesa Center

Objectives

The Rio Mesa banding station is a long-term ornithological study of species composition and population dynamics of Rio Mesa station land bird communities. Through mist-netting and banding birds we will be able to use capture-mark-recapture models that enable us to quantify the long-term changes in the bird community precisely and to measure the increases and declines in the populations, survivorship, productivity, and other demographic parameters of various bird species that comprise the bird community. Our long-term goal is to study how climate change affects the composition of the bird community, through changes in temperature, humidity, water levels, vegetation, bird distributions, and arrival and departure times of migratory birds.

Spring 2014

Spring banding took place April 3rd, 2014 – June 12th, 2014. Head bander: Laura Doll. Banding volunteers: Jason Socci, Christopher Henderson and Jenna McCullough. Sixteen nets were available for banding each day. A total of 280 banding hours and 3,286 net hours were logged. 3 new species were document at the banding site, including Lucy's Warbler, Hooded Oriole, and Mountain Chickadee.

- 56 total bird species documented
- 3 new bird species and subspecies documented for Rio Mesa
- 52 bird species caught and banded
- 565 total individual birds captured
- 489 newly banded birds
- 76 recaptured birds
- 53 birds captured and not banded

Fall 2014

Fall banding took place August 21st, 2014 – October 9th, 2014. Head bander: Laura Doll. Banding volunteers: Alan Moss and Kaitlin Harrigan. Sixteen nets were available for banding each day. A total of 207.5 banding hours and 3228.5 net hours were logged.

On September 7th, a vegetation survey was conducted near the banding site prior to tamarisk removal, which occurred in mid-September and was conducted by a chainsaw course. Future vegetation surveys will be conducted annually at the start of the fall banding season.

The Western Yellow-billed Cuckoo was listed as a threatened species under the Endangered Species Act on October 3rd, 2014. The Rio Mesa Center may be contained within the 546,335 acres of land that are proposed for designation as critical habitat.

- 52 total bird species documented
- 38 bird species caught and banded
- 568 total individual birds captured
- 432 newly banded birds
- 81 recaptured birds
- 55 bird captured and not banded

Birds Caught and Banded at Rio Mesa Spring 2014

Grouse, Quail, and Allies

(4) Wild Turkey *Meleagris gallopavo*

Pigeons and Doves

(5) Mourning Dove *Zenaida macroura*

Hummingbirds

(23) Black-chinned Hummingbird

Archilochus alexandri

(3) Broad-tailed Hummingbird

Selasphorus platycercus

Flycatchers and Allies

(34) Unidentified Empidonax

(10) Ash-throated Flycatcher

Myiarchus cinerascens

(4) Dusky Flycatcher *Empidonax oberholseri*

(4) Willow Flycatcher *Empidonax traillii*

(3) Gray Flycatcher *Empidonax wrightii*

(2) Western Kingbird *Tyrannus verticalis*

(2) Western Wood-Pewee *Contopus sordidulus*

(1) Black Phoebe *Sayornis nigricans*

Vireos

(10) Warbling Vireo *Vireo gilvus*

(1) Gray Vireo *Vireo vicinior*

(1) Plumbeous Vireo *Vireo plumbeus*

Crows and Allies

(1) Western Scrub-Jay *Aphelocoma californica*

Chickadees and Allies

(1) Mountain Chickadee *Poecile gambeli*

Wrens

(4) House Wren *Troglodytes aedon*

Gnatcatchers

(15) Blue-gray Gnatcatcher *Polioptila caerulea*

Kinglets

(1) Ruby-crowned Kinglet *Regulus calendula*

Thrushes and Allies

(6) Hermit Thrush *Catharus guttatus*

(3) American Robin *Turdus migratorius*

(1) Mountain Bluebird *Sialia currucoides*

Mockingbirds, Thrashers, and Allies

(4) Gray catbird *Dumetella carolinensis*

Wood Warblers and Chats

(92) Audubon's Warbler *Setophaga c. auduboni*

(44) Yellow-breasted Chat *Icteria virens*

(27) Wilson's Warbler *Cardellina pusilla*

(26) Yellow Warbler *Setophaga petechia*

(19) MacGillivray's Warbler *Geothlypis tolmiei*

(15) Orange-crowned Warbler *Oreothlypis celata*

(9) Virginia's Warbler *Oreothlypis virginiae*

(6) Common Yellowthroat *Geothlypis trichas*

(4) Northern Waterthrush

Parkesia noveboracensis

(3) Myrtle Warbler *Setophaga coronata coronata*

(1) Lucy's Warbler *Oreothlypis luciae*

Towhees, Sparrows, and Allies

(16) Lincoln's Sparrow *Melospiza lincolni*

(15) Spotted Towhee *Pipilo maculatus*

(7) Song Sparrow *Melospiza melodia*

(6) Gambel's White-crowned Sparrow

Zonotrichia l. gambelii

(4) Oregon Junco *Junco h. oregonus*

(4) Brewer's Sparrow *Spizella breweri*

(4) Mountain White-crowned Sparrow

Zonotrichia l. oriantha

(3) Black-throated Sparrow *Amphispiza bilineata*

(2) Lark Sparrow *Chondestes grammacus*

(2) Green-tailed Towhee *Pipilo chlorurus*

(1) Chipping Sparrow *Spizella passerina*

Tanagers, Grosbeaks, and Allies

(31) Western Tanager *Piranga ludoviciana*

(13) Lazuli Bunting *Passerina amoena*

(10) Black-headed Grosbeak

Pheucticus melanocephalus

(4) Blue Grosbeak *Passerina caerulea*

(1) Indigo Bunting *Passerina cyanea*

Blackbirds and Allies

(7) Bullock's Oriole *Icterus bullockii*

(2) Brown-headed Cowbird *Molothrus ater*

(1) Hooded Oriole *Icterus cucullatus*

Finches and Allies

(9) House Finch *Haemorhous mexicanus*

(8) Lesser Goldfinch *Spinus psaltria*

Birds Caught and Banded at Rio Mesa Fall 2014

Shrikes

- (2) Loggerhead Shrike *Lanius ludovicianus*

Woodpeckers

- (3) Red-naped Sapsucker *Sphyrapicus nuchalis*
- (1) Northern Flicker *Colaptes auratus*

Hummingbirds

- (17) Rufous Hummingbird *Colaptes auratus*
- (15) Black-chinned Hummingbird
Archilochus alexandri
- (4) Broad-tailed Hummingbird
Selasphorus platycercus
- (2) Unknown hummingbird

Flycatchers and Allies

- (3) Western Wood-Pewee *Contopus sordidulus*
- (2) Unknown Empidonax
- (2) Willow Flycatcher *Empidonax traillii*
- (2) Gray Flycatcher *Empidonax wrightii*
- (1) Ash-throated Flycatcher
Myiarchus cinerascens
- (1) Dusky Flycatcher *Empidonax oberholseri*

Vireos

- (10) Warbling Vireo *Vireo gilvus*
- (4) Gray Vireo *Vireo vicinior*
- (1) Cassin's Vireo *Vireo casinii*

Crows and Allies

- (1) Western Scrub-Jay *Aphelocoma californica*

Chickadees and Allies

- (4) Black-capped Chickadee *Poecile atricapillus*
- (1) Juniper titmouse *Baeolophus ridgwayi*
- (1) Mountain Chickadee *Poecile gambeli*

Bushtits

- (23) Bushtit *Psaltriparus minimus*

Wrens

- (11) Bewick's wren *Thryomanes bewickii*
- (5) House Wren *Troglodytes aedon*
- (1) Marsh Wren *Cistothorus palustris*

Gnatcatchers

- (28) Blue-gray Gnatcatcher *Polioptila caerulea*

Kinglets

- (24) Ruby-crowned Kinglet *Regulus calendula*

Thrushes and Allies

- (5) Hermit Thrush *Catharus guttatus*
- (1) American Robin *Turdus migratorius*

Mockingbirds, Thrashers, and Allies

- (4) Gray catbird *Dumetella carolinensis*

Wood Warblers and Chats

- (55) Wilson's Warbler *Cardellina pusilla*
- (24) Yellow-breasted Chat *Icteria virens*
- (24) Yellow Warbler *Setophaga petechia*
- (14) Orange-crowned Warbler *Oreothlypis celata*
- (12) MacGillivray's Warbler *Geothlypis tolmiei*
- (8) Virginia's Warbler *Oreothlypis virginiae*
- (6) Audubon's Warbler *Setophaga c. auduboni*
- (4) Nashville Warbler *Oreothlypis ruficapilla*
- (1) Black-throated Gray Warbler
Setophaga nigrescens
- (1) Common Yellowthroat *Geothlypis trichas*
- (1) Northern Waterthrush
Parkesia noveboracensis
- (3) Myrtle Warbler *Setophaga coronata coronata*
- (1) Lucy's Warbler *Oreothlypis luciae*

Towhees, Sparrows, and Allies

- (39) Spotted Towhee *Pipilo maculatus*
- (27) Song Sparrow *Melospiza melodia*
- (20) Brewer's Sparrow *Spizella breweri*
- (15) Gambel's White-crowned Sparrow
Zonotrichia l. gambelii
- (10) Oregon Junco *Junco h. oregonus*
- (5) Lincoln's Sparrow *Melospiza lincolni*
- (4) Chipping Sparrow *Spizella passerina*
- (3) Mountain White-crowned Sparrow
Zonotrichia l. oriantha
- (2) Unknown sparrow
- (2) Green-tailed Towhee *Pipilo chlorurus*
- (1) Lark Sparrow *Chondestes grammacus*

Tanagers, Grosbeaks, and Allies

- (5) Lazuli Bunting *Passerina amoena*
- (4) Blue Grosbeak *Passerina caerulea*
- (1) Western Tanager *Piranga ludoviciana*

Finches and Allies

- (17) House Finch *Haemorhous mexicanus*