

~~The canary in the coalmine~~

The warbler by the creek

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San Francisco Bay Bird Observatory





# SAN FRANCISCO BAY BIRD OBSERVATORY

## Coyote Creek Field Station

SAN FRANCISCO BAY BIRD OBSERVATORY



May 11, 2025  
 Arr: 04:59  
 Dep: 10:59  
 50-61°F

**SFBBO LAND BIRD BANDING**

Loc: Coyote Creek Field Station

Wing Length (mm)  
 Skull

Data gathering was done with as much as possible with strict checking of 30 minutes to reduce time in net processing once back at the banding table.

① al the net  
 ② Ne of che  
 Includin  
 (by blowing  
 several deposi  
 and wing length, molt  
 limits, and finally  
 weight.

③ After a picture or two especially for anything interesting (specific bird, molt patterns, a returning bird from previous banding), the bird is released back into the wild! \*babies/fledglings are returned where found.

An early start to the day, but an amazing experience to see the work it takes to set up the station, carefully extracting birds from nets and processing each one, logging data, before letting them back loose.

Common Yellowthroat (11)  
 Swainson's Thrush (11)

### Peer-Reviewed Research Papers Using Data From CCFS

For 40 years our scientists and community science volunteers have collected bird mist netting and bird banding data at our Coyote Creek Field Station (CCFS) in North San Jose, CA. Our scientists, as well as local university students and other scientists have used our data and sometimes also access at the station for their research. For more information on our research, please click the plus sign.

- 2025: MOULT PHENOLOGY AND CLIMATE
- 2024: WILDFIRE SMOKE IMPACT
- 2023: A SIMPLE METHOD TO OVERCOME LIMITATIONS
- 2022: LONG TERM PROGRESS AT THE COYOTE CREEK BAY AREA (CA)
- 2022: INCIDENCE AND EXTENSION OF BIRD FLIGHT
- 2022: CAPTURE HEIGHT BIAS AT THE COYOTE CREEK BAY AREA (CA)

Art by Stanton Chan



# Birds tell you about ecosystem health

Birds need:

- A variety of plant species for food and nesting sites
- A variety of insect & other arthropod species for food for nestlings
- Air, soil, & water free from toxins/pollutants

**A habitat that supports a variety of bird species is a habitat that supports many other organisms too**

## Why riparian habitat matters

- Water
- Large habitat areas are better than small ones
- Habitat corridors allow safer movement



# What birds rely on Bay Area riparian habitat?

Year-round residents



Migrants wintering here



Migrants breeding here



Migrants passing through



# Suggestions

- Continuous habitat patches
- Many types & shapes of native plants
- Easy water access
- Design that encourages humans to stay on trail
- **NO: pesticides, bright lights at night, plant trimming during nesting season**
- Regular monitoring of bird numbers & species diversity
  - Best: standardized surveys by trained staff
  - Good: eBird lists by birders

	SPECIES NAME	COUNT	DATE ▼	OBSERVER	LOCATION	
1.	<b>Great Horned Owl</b> <i>Bubo virginianus</i>	1	1 Feb 2026	Charles Sismondo	Stevens Creek Trail--El Camino Real to US-101	🟢
2.	<b>Belted Kingfisher</b> <i>Megasceryle alcyon</i>	1	3 Jan 2026	Rahul Prabhu	Stevens Creek Trail--El Camino Real to US-101	
3.	<b>Red-tailed Hawk</b> <i>Buteo jamaicensis</i>	4	15 Dec 2025	Karen DeMello	Stevens Creek Trail--El Camino Real to US-101	🟢 📷
4.	<b>Hairy Woodpecker</b> <i>Leuconotopicus villosus</i>	1	15 Dec 2025	Karen DeMello	Stevens Creek Trail--El Camino Real to US-101	
5.	<b>Fox Sparrow</b> <i>Passerella iliaca</i>	1	15 Dec 2025	Karen DeMello	Stevens Creek Trail--El Camino Real to US-101	🟢 📷
6.	<b>Yellow-rumped Warbler</b> <i>Setophaga coronata</i>	38	15 Dec 2025	Karen DeMello	Stevens Creek Trail--El Camino Real to US-101	🟢
7.	<b>Cooper's Hawk</b> <i>Astur cooperii</i>	2	19 Nov 2025	Judy Kim	Stevens Creek Trail--El Camino Real to US-101	
8.	<b>Western Tanager</b> <i>Piranga ludoviciana</i>	1	20 Sep 2025	Gregory Luckert	Stevens Creek Trail--El Camino Real to US-101	
9.	<b>Red-shouldered Hawk</b> <i>Buteo lineatus</i>	2	7 Jun 2025	Luis Villablanca	Stevens Creek Trail--El Camino Real to US-101	
10.	<b>Ash-throated Flycatcher</b> <i>Myiarchus cinerascens</i>	1	7 Jun 2025	Luis Villablanca	Stevens Creek Trail--El Camino Real to US-101	

