

Emma Cox

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Education:

University of California, Davis
BS in Wildlife, Fish, and Conservation Biology – March 2013

Experience:

- IBP Staff Biologist--MAPS Verification** 11/1/21 - present
Petaluma, California
Verifying MAPS data, assisting on field projects as needed
- Mariana Crow Tracking and Nest-Searching Technician** 11/2/20 – 7/2/20
Rota, Central and Northern Mariana Islands
Worked as part of a large team attempting to conserve and monitor the last remaining population of the endangered Mariana Crow
- Primarily nest searched and tracked telemetry birds, occasionally assisted with trapping/banding efforts
- Spotted Owl, Northern Goshawk Nest Searching Crew Lead** 5/1/20 – 9/30/20
Humboldt-Toiyabe National Forest/Institute for Bird Populations—Truckee, California
Led small crew conducting surveys looking for nesting California Spotted Owls, Northern Goshawks, Flammulated Owls in National Forest project areas
- Scheduled and planned surveys
 - Entered and verified data into USFS GIS-based database
- Io Trapping and Transmittering Technician** 12/2/19 – 3/1/20
USGS—Big Island, Hawaii
Trapped and attached backpack GSM transmitters to Hawaiian Hawks, working in variety of habitats ranging from downtown Hilo to remote, pristine cloud forest
- Point Count Technician/Black-Backed Woodpecker Survey Technician** 5/10/19 – 7/15/19
Institute for Bird Populations—Truckee, California
Conducted point counts informing the US Forest Service about the effects of post-wildfire logging practices on bird populations, conducted playback surveys for Black-backed Woodpeckers
- Avian Research/Banding Technician** 1/2/19 – 3/10/19
Smithsonian Institute—Tiputini Biodiversity Preserve, Ecuador
Monitored behavior, collected samples from lekking Amazonian songbird species in order to characterize social structure and breeding behavior
- Color-banded, collected blood samples from, VHF-tagged all breeding males on several known leks of Wire-tailed Manakins
 - Resighted color bands, mapped male territories
 - Deployed and collected remote-sensing data-loggers
- Biological Science Technician, Wildlife** 6/10/18 – 12/22/18
Tahoe National Forest—Camptonville, California
Searched for California Spotted Owl and Northern Goshawk nests; conducted surveys for several other species of concern
- Entered and verified data into USFS GIS-based database
 - Managed nest box monitoring portion of program

- Nest Searching and Banding Technician** **1/10/18 – 6/5/18**
Kauai Forest Bird Recovery Project—Alaka'i Swamp, Kauai
 Nest searched for poorly-understood endangered songbird species, collected eggs for captive breeding program
- Target-netted for 3 endangered songbird species, banded and processed all species caught
 - Lived in remote, wet field camps (often backpacking)
- Raptor Survey Technician** **1/13/17 – 5/14/17**
Pinnacles National Park—Paicines, California **1/25/16 – 6/10/16**
 For two seasons, monitored breeding activity of cliff-nesting raptors (primarily Prairie Falcons) in order to manage effects of climbers on breeding success
- Nest searched for Prairie Falcons, Peregrine Falcons, California Condors, and other raptors
 - Worked alone, managed schedule and logistics
 - Worked full days through temperatures often exceeding 100°F (38°C)
- Biological Science Technician, Aquatics** **6/13/16 – 9/30/16**
Sequoia and Kings Canyon National Parks—Three Rivers, California **8/24/15 – 9/30/15**
6/13/12 – 9/14/12
6/29/11 – 9/7/11
6/15/10 – 9/27/10
 Five seasons restoring lakes in the High Sierra by removing non-native trout species and monitoring Mountain Yellow-legged Frog populations
- Lived and worked with single field partner in remote, high elevation backpacking field camps for weeks to months at a time
 - Assisted with gear organization, maintained gear in field, worked independently and communicated with supervisors as often as possible via limited means of communication
- Point Count Technician** **4/1/15 – 7/31/15**
Point Blue Conservation Science—Bollinas, California **4/28/14 – 7/11/14**
 Two seasons, conducted daily dawn point counts and vegetation surveys in remote, off-trail areas throughout Central Sierra Nevada US Forest Service areas to inform USFS on management practices
- Songbird Banding Intern** **11/15/14 – 3/27/15**
Point Blue Conservation Science—Bollinas, California
 Operated daily long-term MAPS mist-netting and banding stations; monitored overwintering songbird populations through daily area searches, resighting color bands of all species that breed at the site
- Extracted, banded, processed, aged all species
 - Completed NABC Bander certification
- Golden Eagle Aerial Surveyor** **11/2014**
Craighead Beringia South—Montana/North Dakota
 Conducted one week of aerial census surveys from 4-seater plane looking for Golden Eagles across states of Montana and North Dakota
- Raptor Banding Technician** **9/2014 – 11/2014**
Raptor View Research Institute—Lincoln, Montana
 Operated banding and counting stations in rural Montana with focus on trapping and tracking migratory Golden Eagles
- Trapped eagles and other raptors using (primarily) bow-nets
 - Took blood samples from and assisted in patagial tagging of eagles
- Research (Banding and Raptor Counting) Intern**
Golden Gate Raptor Observatory **7/8/13 – 2/1/14**

Ran raptor trapping blinds, identified and counted migrating raptors

- Supervised banding volunteers in blinds
- Listed as sub-permittee on GGNRA Banding Permit

**Biological Science Technician, Invasive Plant Management
Sequoia and Kings Canyon National Parks—Three Rivers, California**

6/3/13 – 7/5/13

Conducted backpacking surveys of backcountry trails for a wide range of invasive plant species as part of a two-person early-detection team

**Field Technician
California Trout, Inc.—Davis, California**

2/19/13 – 4/4/13

Assisted primarily with the invertebrate aspect of a large collaborative study intended to work out protocols for rearing juvenile salmon in flooded rice fields in California's Central Valley

Certifications:

- ArcGIS USFS QuickStart class completed
- ArcGIS USFS Editing class completed
- First Aid and CPR (Current)
- Wilderness First Aid
- Federal A-100 Basic Aviation Safety
- Federal A-219 Helicopter Transport of External Cargo training
- North American Banding Council certified Bander