Draft Golden Eagle Observations Database

CA-NV Golden Eagle Working Group
Sacramento, CA
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Overview

• Introduction
• The Data
• Contributing Data
• Data Access
• Contacts
Introduction

History of Development

• Idea
  – CA-NV Golden Eagle Working Group (GEWG)

• Implementation
  – Collaborators
    • GEWG Database Subgroup
    • CDFW Biogeographic Data Branch Staff
    • USFWS Western Golden Eagle Team members
  – Deliverables
    • Observation database template
    • Metadata
    • QA/QC scripts
    • Draft database with data from large datasets, researchers, and reports
  – The Database Team is currently working to finalize a complete dataset.
The Data

Current Dataset

Large datasets were compiled by:

California Department of Fish and Wildlife
US Fish and Wildlife Service – Yreka
US Fish and Wildlife Service – Carlsbad

There are a total of **4,231 records** currently in the database with more to come!
# The Data

## Fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date*</td>
<td>Behavior 1</td>
</tr>
<tr>
<td>Record Type*</td>
<td>Behavior 2</td>
</tr>
<tr>
<td>Survey Type</td>
<td>Nest ID</td>
</tr>
<tr>
<td>Number Total</td>
<td>Nest Occupancy</td>
</tr>
<tr>
<td>Number Adult</td>
<td>Nest Status</td>
</tr>
<tr>
<td>Number Subadult</td>
<td>Nest Condition</td>
</tr>
<tr>
<td>Number Juvenile</td>
<td>Nest Substrate</td>
</tr>
<tr>
<td>Number Fledgling</td>
<td>Nest Tree Species</td>
</tr>
<tr>
<td>Number Nestling</td>
<td>Nest Stage</td>
</tr>
<tr>
<td>Number Egg</td>
<td>Longitude (DD NAD83)*</td>
</tr>
<tr>
<td>Number Unknown Age</td>
<td>Latitude (DD NAD83)*</td>
</tr>
<tr>
<td>Coordinate Accuracy Within</td>
<td></td>
</tr>
<tr>
<td>Coordinate Source</td>
<td></td>
</tr>
<tr>
<td>Site Name</td>
<td></td>
</tr>
<tr>
<td>Site Directions</td>
<td></td>
</tr>
<tr>
<td>Notes</td>
<td></td>
</tr>
<tr>
<td>Observer Name*</td>
<td>Observer Phone Number*</td>
</tr>
<tr>
<td>Observer Phone Number*</td>
<td>Observer Email Address*</td>
</tr>
<tr>
<td>Observer Email Address*</td>
<td>Observer Affiliation</td>
</tr>
<tr>
<td>Observer Affiliation</td>
<td></td>
</tr>
</tbody>
</table>

* Required Field

The Data

Fields – General Information

Date*
Record Type*
Survey Type
### The Data

#### Fields – Bird Information

<table>
<thead>
<tr>
<th>Number Total</th>
<th>Number Adult</th>
<th>Number Subadult</th>
<th>Number Juvenile</th>
<th>Number Fledgling</th>
<th>Number Nestling</th>
<th>Number Egg</th>
<th>Number Unknown Age</th>
</tr>
</thead>
</table>

#### Behavior

- Behavior 1
- Behavior 2
The Data

Fields – Nest Information

- Nest ID
- Nest Occupancy
- Nest Status
- Nest Condition
- Nest Substrate
- Nest Tree Species
- Nest Stage
The Data

Fields – Location Information

Longitude (DD NAD83)*
Latitude (DD NAD83)*
Coordinate Accuracy Within
Coordinate Source
Site Name
Site Directions
Notes
The Data

Fields – Observer Information

Observer Name*
Observer Phone Number*
Observer Email Address*
Observer Affiliation
The Data

Current Dataset
## Contributing Data

### Single to Many Detections

GEWG Database Submission template – available now!

[https://www.dfg.ca.gov/wildlife/nongame/raptors/goldeneagle/](https://www.dfg.ca.gov/wildlife/nongame/raptors/goldeneagle/)

### California and Nevada Golden Eagle Working Group (GEWG)


#### Golden eagle (GOEA) observation data worksheet

This workbook contains details regarding the type of data and format that the GEWG would like to see GOEA data reported in.

The CA/NV golden eagle dataset is in draft form, and restricted in use and distribution due to the sensitive information housed within. Data will not be distributed to the public without permission from Carle Battstone and the original contributor.
Contributing Data

Single to Many Detections

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<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>I</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>M</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date</td>
<td>RecordType</td>
<td>SurveyType</td>
<td>NumTotal</td>
<td>NumAdult</td>
<td>NumSubAdult</td>
<td>NumJuv</td>
<td>NumFledgli</td>
<td>NumNesting</td>
<td>NumEgg</td>
<td>NumUnkAge</td>
<td>Behavior1</td>
<td>Behavior2</td>
<td>Nest_ID</td>
</tr>
</tbody>
</table>

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Ready
Contributing Data

Single to Many Detections

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Contributing Data

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References


Contributing Data

Single to Many Detections

Golden Eagles in California

The golden eagle (Aquila chrysaetos) is listed as a fully protected species in California.

Distribution and Abundance

Golden eagles are found throughout North America, but are more common in western North America. Little is known about the eagle's abundance, but it is thought that numbers may be declining in some, if not all, parts of their range. Golden eagle abundance in California is unknown.

Biology

Most golden eagles in California are resident (e.g., they stay in the state year-round), but some migrate into California for winter. Those that stay year-round may move down-slope for the winter or up-slope after breeding season. Golden eagles inhabit a variety of habitats including forests, canyons, shrub lands, grasslands, and oak woodlands.

The golden eagle breeds from late January through August and produces 1-2 eggs. Nests are constructed on cliffs or on large trees. The main prey species for the golden eagle are rabbits, hares, and rodents. But eagles may also feed on smaller mammals, birds, and reptiles. Carnivorous birds (e.g., carrion crows found on the landscape) are also part of the eagle diet, especially during winter months.

Threats

Threats to the eagle diet are prey, and include loss of foraging areas, loss of nesting habitat, pesticide poisoning, lead poisoning and collision with man-made structures such as wind turbines.

Population Status and Trend

Little is known about the population trend for golden eagles. The Breeding Bird Survey (BBS) has long-term dataset that can be used to assess general population trends. However, no strong trend exists for the golden eagle in California.

Submission of Golden Eagle Data

The CDFW and USFWS staffed an effort to develop the CDFW Golden Eagle Database. You can submit data to the Golden Eagle Database by filling in the CDFW Golden Eagle Database Submission Form and sending directly to Russ Kress. In addition to a blank spreadsheet to submit data, this template also provides detailed instructions, field definitions and values, sample data, and references. For general inquiries related to the database you may contact Russ Kress.

You may also submit golden eagle data using the CDFW Osprey Data Survey Form. This form is an internet application that allows you to submit data to the Osprey Database.
Contributing Data

Single to Few Detections

CNDDB (California Natural Diversity Database)

Online Field Survey Form – available now!

http://www.dfg.ca.gov/biogeoddata/cnddb/submitting_data_to_cnddb.asp
Data Access

- The Draft Golden Eagle dataset is available in the BIOS Viewer for CNDDDB Government Subscribers.
- For non-government entities, requests for data must be made to Carie Battistone. Release of the data will be assessed based on the purpose of the request and data sensitivity considerations.
- A buffered version of the final dataset may be made available for public viewing in the future.
Contacts

For general GOEA inquiries (including data requests):
Carie Battistone
Statewide Raptor Coordinator
CDFW Wildlife Branch
(916) 445-3615
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To submit completed electronic data files:
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For general CNDDB inquiries:
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