

Welcome to the US Fish and Wildlife Service's

# AVIAN/BAT INJURY AND MORTALITY REPORTING DATABASE



OMB Control No. 1018-0022

Expires xx/xx/xxxx

## Reporting Instructions

### DATABASE INTRODUCTION

There are two types of reports this database is capable of generating: These are: (1) eagle incident summary reports, which summarize the details of individual eagle incidents, and (2) quarterly reports, which summarize all birds found dead or injured on a quarterly basis. Eagle incident summary reports should be submitted soon after eagles are discovered, while quarterly reports should be submitted per the schedule set in your permit conditions or by the migratory bird permit office who provided this database.

The instructions provided below step the user through how to handle eagle mortalities and injuries and complete eagle incident and quarterly reports. If you have any questions or comments on this form, or regarding the reporting process, please direct them to your regional migratory bird permit office, or use the "Provide Feedback" button above to submit feedback and suggestions. Contact information for each of the regional migratory bird permit offices can be accessed by clicking on the "View Migratory Bird Regional Permit Offices Directory" button at the top of this page.

### ENTERING DATA AND RUNNING REPORTS

All data entry and reporting options can be accessed through the DATABASE ACTIONS MENU by clicking on the DATABASE ACTIONS MENU button above. To begin entering data, first enter your "Core Information" and then select the "Enter Bird/Bat Mortality/Injury Incident(s)" option to begin entering mortality/injury incident information.

### INSTRUCTIONS FOR HANDLING AND REPORTING EAGLE INJURIES AND MORTALITIES

***If you encounter a dead eagle, please complete the following steps:***

1. If you have a permit, please call your USFWS Office of Law Enforcement (OLE) point-of-contact Resident Agent in Charge (RAC) identified in your Special Purpose Utility (SPUT) permit conditions for instructions and approval before collecting or moving the carcass or its parts. If you do not have a permit, please call the OLE Field Agent who is working with you on your monitoring process. If you do not know the appropriate OLE contact, please call the [OLE Regional Office](#) for your Region for instructions. You must contact OLE as soon as possible, but no later than 24 hours after discovery, to report the mortality.

***If you encounter a live, injured eagle, please complete the following steps:***

1. Do not handle the eagle. Call your local migratory bird rehabilitation facility or a licensed veterinarian immediately for assistance.
2. If you have a permit, call your Regional USFWS OLE RAC identified in your Special Purpose Utility (SPUT) permit as soon as possible, but no later than 24 hours after discovery, to report the injury. If you do not have a permit, please call the OLE Field Agent who is working with you on your monitoring process. If you do not know the appropriate OLE contact, please call the [OLE Regional Office](#) for your Region for instructions. You must contact OLE as soon as possible, but no later than 24 hours after discovery, to report the mortality.
3. Send an EAGLE INCIDENT REPORT, which includes: (1) an Excel report of the incident(s) along with (2) a SIGNED SUMMARY REPORT) to your regional migratory bird permit office as soon as possible.

**TO CREATE YOUR EAGLE INCIDENT REPORT:**

After you have entered the details of the incident (s) into the database, select "Create Eagle Incident EXCEL Report" in the GENERATE REPORTS section of the DATABASE ACTIONS MENU. The database uses the Discovery Date field as the query field for the report, so will pull all eagle records with a discovery date on or between the dates you have specified. Your report will be automatically named with the correct file name. Save the file in the desired location.

**PLEASE MAKE SURE YOU DO NOT MODIFY THE ASSIGNED FILE NAME OR THE FORMAT OF THE EXCEL REPORT IN ANY WAY BEFORE SENDING THE REPORT TO USFWS.**

**INSTRUCTIONS FOR SUBMISSION OF INTERIM REPORTS**

**TO CREATE YOUR INTERIM AVIAN/BAT INJURY AND MORTALITY REPORT:**

After you have entered the details of the incident (s) into the database, select "Create Quarterly EXCEL Report" in the GENERATE REPORTS section of the DATABASE ACTIONS MENU. The database uses the Discovery Date field as the query field for the report, so will pull all bird and bat records with a discovery date on and between the dates you have specified. Your report will be automatically named with the correct file name. Save the file in the desired location.

**PLEASE MAKE SURE YOU DO NOT MODIFY THE ASSIGNED FILE NAME OR THE FORMAT OF THE EXCEL REPORT IN ANY WAY BEFORE SENDING THE REPORT TO USFWS.**

**FEDERAL FISH AND WILDLIFE PERMIT REPORT**  
**Paperwork Reduction Act, Privacy Act, and Freedom of Information Act – Notices**

In accordance with the Paperwork Reduction Act of 1995 (44 U.S.C. 3501, et seq.) and the Privacy Act of 1974 (5 U.S.C. 552a), please be advised:

1. The gathering of information on fish and wildlife is authorized by:  
(Authorizing statutes can be found at: <http://www.gpoaccess.gov/cfr/index.html> and <http://www.fws.gov/permits/ltr/ltr.html>.)
  - a. Bald and Golden Eagle Protection Act (16 U.S.C. 668), 50 CFR 22;
  - b. Migratory Bird Treaty Act (16 U.S.C. 703-712), 50 CFR 21;
  - c. General Provisions, 50 CFR 10;
  - d. General Permit Procedures, 50 CFR 13; and
  - e. Wildlife Provisions (Import/export/transport), 50 CFR 14.
2. Information requested in this form is purely voluntary. However, submission of requested information is a condition of your permit under the above laws. Failure to provide all requested information may be sufficient cause for the U.S. Fish and Wildlife Service to revoke your permit. Response is not required unless a currently valid Office of Management and Budget (OMB) control number is displayed on form.
3. Disclosures outside the Department of the Interior may be made without the consent of an individual under the routine uses listed below, if the disclosure is compatible with the purposes for which the record was collected. (Ref. 68 FR 52611, September 4, 2003)
  - a. Routine disclosure to subject matter experts and Federal, Tribal, State, local, and foreign agencies, for the purpose of obtaining advice relevant to making a decision on an application for a permit or when necessary to accomplish an FWS function related to this system of records.
  - b. Routine disclosure to Federal, Tribal, State, local, or foreign wildlife and plant agencies for the exchange of information on permits granted or denied to assure compliance with all applicable permitting requirements.
  - c. Routine disclosure to Federal, Tribal, State, and local authorities who need to know who is permitted to receive and rehabilitate sick, orphaned, and injured birds under the Migratory Bird Treaty Act and the Bald and Golden Eagle Protection Act; federally permitted rehabilitators; individuals seeking a permitted rehabilitator with whom to place a bird in need of care; and licensed veterinarians who receive, treat, or diagnose sick, orphaned, and injured birds.
  - d. Routine disclosure to the Department of Justice, or a court, adjudicative, or other administrative body or to a party in litigation before a court or adjudicative or administrative body, under certain circumstances.
  - e. Routine disclosure to the appropriate Federal, Tribal, State, local, or foreign governmental agency responsible for investigating, prosecuting, enforcing, or implementing statutes, rules, or licenses, when we become aware of a violation or potential violation of such statutes, rules, or licenses, or when we need to monitor activities associated with a permit or regulated use.
  - f. Routine disclosure to a congressional office in response to an inquiry to the office by the individual to whom the record pertains.
  - g. Routine disclosure to the Government Accountability Office or Congress when the information is required for the evaluation of the permit programs.
  - h. Routine disclosure to provide addresses obtained from the Internal Revenue Service to debt collection agencies for purposes of locating a debtor to collect or compromise a Federal claim against the debtor or to consumer reporting agencies to prepare a commercial credit report for use by the FWS.
4. For individuals, personal information such as home address and telephone number, financial data, and personal identifiers (social security number, birth date, etc.) will be removed prior to any release of the application.

5. The public reporting burden for information collection varies depending on the type of permit held. The relevant annual burden for Special Purpose – Utility Permit reporting is 6 hours. This burden estimate includes time for reviewing instructions, gathering and maintaining data, recordkeeping, and completing and reviewing the form. You may direct comments regarding the burden estimate or any other aspect of the form to the Service Information Clearance Officer, U.S. Fish and Wildlife Service, Mail Stop 222, Arlington Square, U.S. Department of the Interior, 1849 C Street, NW, Washington D.C. 20240.

#### **Freedom of Information Act – Notice**

For organizations, businesses, or individuals operating as a business (i.e., permittees not covered by the Privacy Act), we request that you identify any information that should be considered privileged and confidential business information to allow the Service to meet its responsibilities under FOIA. Confidential business information must be clearly marked "Business Confidential" at the top of the letter or page and each succeeding page and must be accompanied by a non-confidential summary of the confidential information. The non-confidential summary and remaining documents may be made available to the public under FOIA [43 CFR 2.26 – 2.33].



## U.S. Fish & Wildlife Service

# Migratory Bird Regional Permit Offices

FWS REGION	AREA OF RESPONSIBILITY	MAILING ADDRESS	CONTACT INFORMATION
Region 1	Hawaii, Idaho, Oregon, Washington	911 N.E. 11th Avenue Portland, OR 97232-4181	Tel. (503) 872-2715 Fax (503) 231-2019 Email <a href="mailto:permitsR1MB@fws.gov">permitsR1MB@fws.gov</a>
Region 2	Arizona, New Mexico, Oklahoma, Texas	P.O. Box 709 Albuquerque, NM 87103	Tel. (505) 248-7882 Fax (505) 248-7885 Email <a href="mailto:permitsR2MB@fws.gov">permitsR2MB@fws.gov</a>
Region 3	Iowa, Illinois, Indiana, Minnesota, Missouri, Michigan, Ohio, Wisconsin	5600 American Blvd. West Suite 990 Bloomington, MN 55437-1458 (Effective 5/31/2011)	Tel. (612) 713-5436 Fax (612) 713-5393 Email <a href="mailto:permitsR3MB@fws.gov">permitsR3MB@fws.gov</a>
Region 4	Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Virgin Islands, Puerto Rico	P.O. Box 49208 Atlanta, GA 30359	Tel. (404) 679-7070 Fax (404) 679-4180 Email <a href="mailto:permitsR4MB@fws.gov">permitsR4MB@fws.gov</a>
Region 5	Connecticut, District of Columbia, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Virginia, Vermont, West Virginia	P.O. Box 779 Hadley, MA 01035-0779	Tel. (413) 253-8643 Fax (413) 253-8424 Email <a href="mailto:permitsR5MB@fws.gov">permitsR5MB@fws.gov</a>
Region 6	Colorado, Kansas, Montana, North Dakota, Nebraska, South Dakota, Utah, Wyoming	P.O. Box 25486 DFC(60154) Denver, CO 80225-0486	Tel. (303) 236-8171 Fax (303) 236-8017 Email <a href="mailto:permitsR6MB@fws.gov">permitsR6MB@fws.gov</a>
Region 7	Alaska	1011 E. Tudor Road (MS-201) Anchorage, AK 99503	Tel. (907) 786-3693 Fax (907) 786-3641 Email <a href="mailto:permitsR7MB@fws.gov">permitsR7MB@fws.gov</a>
Region 8	California, Nevada	2800 Cottage Way Sacramento, CA 95825 Room W -2606	Tel. (916) 978-6183 Fax (916) 414-6486 Email <a href="mailto:permitsR8MB@fws.gov">permitsR8MB@fws.gov</a>

**Printing this Form:**

To enable viewing of all form fields upon print, all required fields on the form must be populated.

**Locating a Specific Record:**

Use the Record # and Search functions at the bottom left hand side of this form to browse through records or search for specific words within individual records.

**\*\*Required Field (user must populate before record will save)**

**\*Priority Field (desired, but not required)**

### Specimen Details

Local (or Project) Specimen Number (if applicable)

**\*\*Species (Common Name)**

**\*How Identified**

[View the USFWS Feather Atlas for help with bird identification and ageing](#)

Unique FWS Specimen ID#:

Scientific Name (include subspecies, if known)

**\*\*# of individuals found**

**\*\*How found? (carcass survey/incidental finding)** [View definitions of Carcass Survey and Incidental Finding](#)

**\*\*Sex (if known)**

**\*\*Age (if known)** [View definitions of After Hatching Year, After Second Year and Sub-Adult](#)

**\*\*Condition of bird/carcass (or if active nest relocation, please indicate that here)**

**\*Description of bird/carcass (If Alive, indicate if injured or sick; If Dead, indicate if carcass is intact, freshly killed [eyes moist], semi-fresh [stiff], partially decomposed, feathers and/or bones, other)**

**\*\*Discovery Date (when was bird or bat first discovered)**

Estimated time dead/Injured before discovery

**\*\*Collection Date (when was bird or bat recovered from the field)**

Name of individual collecting injury/mortality

Bald Eagle

FWSAIMR1392738113

1

Carcass Survey

Female

Adult

Active Nest Relocation

2/18/2014

2/19/2014

PHOTOS: If you have any photos you wish to associate with this record, please select the box below to upload them:

**\*\*Suspected cause of injury/mortality**    [View definitions of Barotrauma and De-Oiled](#)

Collision with solar panel/heliostat

**\*Additional details on suspected cause of injury/mortality**

*Please enter as many additional details as possible about the suspected cause of injury/mortality; especially if suspected cause is "Other", includes "Other" or is a general category such as "Collision".*

**\*Level of certainty for suspected cause**

Official cause of death

Who determined official cause of death? (Lab Name)

Necropsy (Yes/No)?

### Location Details

Transect/Subplot Number

**\*\*County (Note: Please list only primary name e.g. Grant Parish would be "Grant", and Alameda County would be "Alameda")**

Alameda

**\*\*State**

CO

**\*Latitude (decimal degrees, e.g. 38.88266)**

[Click on this Link to Determine the Lat/Long for the Location of this Incident](#)

Note: Right click on the lat/long #s in the web tool individually to copy them and then use Ctrl V to paste them into the appropriate form fields.

**\*Longitude (decimal degrees, e.g.-77.11504)**

Please indicate the feature(s) you see nearby the location where the bird was found. *(Enter the first feature here. If there are additional features, please enter those separately in the fields provided below)*

If more than one feature found nearby, indicate second feature here:

If more than two features found nearby, indicate third feature here:

[View definition of Brine Pond](#)

If Light, describe type of light:

If Contaminant, describe type of contaminant:

If Reflective Surface, describe type of reflective surface:

If Other, describe other:

**\*Distance to project feature (s) bird/bat carcass found near (feet)**

Azimuth of bird/carcass to project feature    [View definition of Azimuth](#)

Describe the habitat surrounding the carcass or injured animal

### Weather Conditions

Estimated weather conditions at time of injury/mortality

Wind speed (Day of death, estimated)

Max wind gust speed (Day of death, estimated)

Wind direction (Day of death, estimated)

Moonphase (Julian calendar phase)

### Disposition

**\*\*Information on disposition (if bird/bat died, where did carcass end up?)**

Incinerated

Injured animal outcome (if the bird was injured, what was its outcome?)

Full Name of Rehabilitation Center (if sent to rehabber) and federal permit number (if available)

### Structure/Configuration /Mitigation/Retrofit Information

Flight diverters on transmission line? (Yes/No)

Type of flight diverter? (list types)

APLIC compliant (if electric utility infrastructure)? (Yes/No)

**\*Type and configuration of feature(s) found near bird and/or thought responsible (e.g. structure type; nameplate information; manufacturer information; model number; height; presence/absence of guy wires; turbine, pole, structure ID#; etc.)**

Describe retrofit and/or mitigation implemented

### Additional Information

Biometric Data on Bird (optional, but could include weight, wing chord, tarsus, tail molt, fat level, brood patch, etc.)

Additional information and Notes (band information, other identifying numbers, etc.)



FORM NOTES

# AVIAN INJURY/MORTALITY INCIDENT REPORT FORM

2/18/2014

4:15:17 PM

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**\*Priority Field (desired, but not required)**

## Specimen Details

Local (or Project) Specimen Number (if applicable)

**\*\*Species (Common Name)**

Bald Eagle

**\*How Identified**

[View the USFWS Feather Atlas for help with bird identification and ageing](#)

Unique FWS Specimen ID#:

FWSAIMR1392738113

Scientific Name (include subspecies, if known)

**\*\*# of individuals found**

1

**\*\*How found? (carcass survey/incidental finding)** [View definitions of Carcass Survey and Incidental Finding](#)

Carcass Survey

**\*\*Sex (if known)**

Female

**\*\*Age (if known)** [View definitions of After Hatching Year, After Second Year and Sub-Adult](#)

Adult

**\*\*Condition of bird/carcass (Alive or Dead)**

Active Nest Relocation

**\*Description of bird/carcass (If Alive, indicate if injured or sick; If Dead, indicate if carcass is intact, freshly killed [eyes moist], semi-fresh [stiff], partially decomposed, feathers and/or bones, other)**

**\*\*Discovery Date (when was bird or bat first discovered)**

2/18/2014

Estimated time dead/Injured before discovery

**\*\*Collection Date (when was bird or bat recovered from the field)**

2/19/2014

Name of individual collecting injury/mortality

PHOTOS: If you have any photos you wish to associate with this record, please select the box below to upload them:

Placeholder for photo upload selection box.

**\*\*Suspected cause of injury/mortality**    [View definitions of Barotrauma and De-Oiled](#)

Collision with solar panel/heliostat

**\*Additional details on suspected cause of injury/mortality**

*Please enter as many additional details as possible about the suspected cause of injury/mortality; especially if suspected cause is "Other", includes "Other" or is a general category such as "Collision".*

**\*Level of certainty for suspected cause**

Official cause of death

Who determined official cause of death? (Lab Name)

Necropsy (Yes/No)?

### Location Details

Transect/Subplot Number

**\*\*County (Note: Please list only primary name e.g. Grant Parish would be "Grant", and Alameda County would be "Alameda")**

Alameda

**\*\*State**

CO

**\*Latitude (decimal degrees, e.g. 38.88266)**

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If more than one feature found nearby, indicate second feature here:

If more than two features found nearby, indicate third feature here:

[View definition of Brine Pond](#)

If Light, describe type of light:

If Contaminant, describe type of contaminant:

If Reflective Surface, describe type of reflective surface:

If Other, describe other:

**\*Distance to project feature (s) bird/bat carcass found near (feet)**

Azimuth of bird/carcass to project feature    [View definition of Azimuth](#)

Describe the habitat surrounding the carcass or injured animal

### Weather Conditions

Estimated weather conditions at time of injury/mortality

Wind speed (Day of death, estimated)

Max wind gust speed (Day of death, estimated)

Wind direction (Day of death, estimated)

Moonphase (Julian calendar phase)

### Disposition

**\*\*Information on disposition (if bird/bat died, where did carcass end up?)**

Incinerated

Injured animal outcome (if the bird was injured, what was its outcome?)

Full Name of Rehabilitation Center (if sent to rehabber) and federal permit number (if available)

### Structure/Configuration /Mitigation/Retrofit Information

Flight diverters on transmission line? (Yes/No)

Type of flight diverter? (list types)

APLIC compliant (if electric utility infrastructure)? (Yes/No)

**\*Type and configuration of feature(s) found near bird or thought responsible (e.g. structure type; nameplate information; manufacturer information; model number; height; presence/absence of guy wires; turbine, pole, structure ID#; line name; circuit number; circuit name; etc.)**

Describe retrofit and/or mitigation implemented

### Additional Information

Biometric Data on Bird (optional, but could include weight, wing chord, tarsus, tail molt, fat level, brood patch, etc.)

Additional information and Notes (band information, other identifying numbers, etc.)

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### Specimen Details

Local (or Project) Specimen Number (if applicable)

**\*\*Species (Common Name)**

**\*How Identified**

[View the USFWS Feather Atlas for help with bird identification and ageing](#)

Unique FWS Specimen ID#:

Scientific Name (include subspecies, if known)

**\*\*# of individuals found**

**\*\*How found? (carcass survey/incidental finding)** [View definitions of Carcass Survey and Incidental Finding](#)

**\*\*Sex (if known)**

**\*\*Age (if known)** [View definitions of After Hatching Year, After Second Year and Sub-Adult](#)

**\*\*Condition of bird/carcass (Alive or Dead)**

**\*Description of bird/carcass (If Alive, indicate if injured or sick; If Dead, indicate if carcass is intact, freshly killed [eyes moist], semi-fresh [stiff], partially decomposed, feathers and/or bones, other)**

**\*\*Discovery Date (when was bird or bat first discovered)**

Estimated time dead/Injured before discovery

**\*\*Collection Date (when was bird or bat recovered from the field)**

Name of individual collecting injury/mortality

Bald Eagle

FWSAIMR1392738113

1

Carcass Survey

Female

Adult

Active Nest Relocation

2/18/2014

2/19/2014

PHOTOS: If you have any photos you wish to associate with this record, please select the box below to upload them:

**\*\*Suspected cause of injury/mortality** [View definitions of Barotrauma and De-Oiled](#)

Collision with solar panel/heliostat

**\*Additional details on suspected cause of injury/mortality**

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If more than two features found nearby, indicate third feature here:

[View definition of Brine Pond](#)

If Light, describe type of light:

If Contaminant, describe type of contaminant:

If Reflective Surface, describe type of reflective surface:

If Other, describe other:

**\*Distance to project feature (s) bird/bat carcass found near (feet)**

Azimuth of bird/carcass to project feature [View definition of Azimuth](#)

Describe the habitat surrounding the carcass or injured animal

### Weather Conditions

Estimated weather conditions at time of injury/mortality

Wind speed (Day of death, estimated)

Max wind gust speed (Day of death, estimated)

Wind direction (Day of death, estimated)

Moonphase (Julian calendar phase)

### Disposition

**\*\*Information on disposition (if bird/bat died, where did carcass end up?)**

Incinerated

Injured animal outcome (if the bird was injured, what was its outcome?)

Full Name of Rehabilitation Center (if sent to rehabber) and federal permit number (if available)

### Structure/Configuration /Mitigation/Retrofit Information

**\*Type and configuration of feature(s) found near bird and/or thought responsible (e.g. structure type; nameplate information; manufacturer information; model number; height; presence/absence of guy wires; turbine, pole, structure ID#; etc.)**

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**\*\*How found? (carcass survey/incidental finding)** [View definitions of Carcass Survey and Incidental Finding](#)

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**\*\*Age (if known)** [View definitions of After Hatching Year, After Second Year and Sub-Adult](#)

**\*\*Condition of bird/carcass (Dead or Alive)**

**\*Description of bird/carcass (If Alive, indicate if injured or sick; If Dead, indicate if carcass is intact, freshly killed [eyes moist], semi-fresh [stiff], partially decomposed, feathers and/or bones, other)**

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Bald Eagle

FWSAIMR1392738113

1

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Adult

Active Nest Relocation

2/18/2014

2/19/2014

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Collision with solar panel/heliostat

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Wind direction (Day of death, estimated)



Moonphase (Julian calendar phase)

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Describe retrofit and/or mitigation implemented

### Additional Information

Biometric Data on Bird (optional, but could include weight, wing chord, tarsus, tail molt, fat level, brood patch, etc.)

Additional information and Notes (band information, other identifying numbers, etc.)

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**\*\*Required Field (user must populate before record will save)**

**\*Priority Field (desired, but not required)**

## Specimen Details

Local (or Project) Specimen Number (if applicable)

**\*\*Species (Common Name)**

**\*How Identified**

[View the USFWS Feather Atlas for help with bird identification and ageing](#)

Unique FWS Specimen ID#:

Scientific Name (include subspecies, if known)

**\*\*# of individuals found or # of nests relocated (if active nest relocation)**

**\*\*How found? (carcass survey/incidental finding)** [View definitions of Carcass Survey and Incidental Finding](#)

**\*\*Sex (if known)**

**\*\*Age (if known)** [View definitions of After Hatching Year, After Second Year and Sub-Adult](#)

**\*\*Condition of bird/carcass (Alive or Dead; or if active nest relocation, please indicate that here)**

**\*Description of bird/carcass (If Alive, indicate if injured or sick; If Dead, indicate if carcass is intact, freshly killed [eyes moist], semi-fresh [stiff], partially decomposed, feathers and/or bones, other)**

**\*\*Discovery Date (when was bird or bat first discovered)**

Estimated time dead/Injured before discovery

**\*\*Collection Date (when was bird or bat recovered from the field)**

Name of individual collecting injury/mortality

Bald Eagle

FWSAIMR1392738113

1

Carcass Survey

Female

Adult

Active Nest Relocation

2/18/2014

2/19/2014

PHOTOS: If you have any photos you wish to associate with this record, please select the box below to upload them:

**\*\*Suspected cause of injury/mortality** [View definitions of Barotrauma and De-Oiled](#)

Collision with solar panel/heliostat

**\*Additional details on suspected cause of injury/mortality**

*Please enter as many additional details as possible about the suspected cause of injury/mortality; especially if suspected cause is "Other", includes "Other" or is a general category such as "Collision".*

**\*Level of certainty for suspected cause**

Official cause of death

Who determined official cause of death? (Lab Name)

Necropsy (Yes/No)?

### Location Details

Transect/Subplot Number

**\*\*County (Note: Please list only primary name e.g. Grant Parish would be "Grant", and Alameda County would be "Alameda")**

Alameda

**\*\*State**

CO

**\*Latitude (decimal degrees, e.g. 38.88266)**

[Click on this Link to Determine the Lat/Long for the Location of this Incident](#)

Note: Right click on the lat/long #s in the web tool individually to copy them and then use Ctrl V to paste them into the appropriate form fields.

**\*Longitude (decimal degrees, e.g.-77.11504)**

Please indicate the feature(s) you see nearby the location where the bird was found. *(Enter the first feature here. If there are additional features, please enter those separately in the fields provided below)*

If more than one feature found nearby, indicate second feature here:

If more than two features found nearby, indicate third feature here:

[View definition of Brine Pond](#)

If Light, describe type of light:

If Contaminant, describe type of contaminant:

If Reflective Surface, describe type of reflective surface:

If Other, describe other:

**\*Distance to project feature (s) bird/bat carcass found near (feet)**

Azimuth of bird/carcass to project feature [View definition of Azimuth](#)

Describe the habitat surrounding the carcass or injured animal

### Weather Conditions

Estimated weather conditions at time of injury/mortality

Wind speed (Day of death, estimated)

Max wind gust speed (Day of death, estimated)

Wind direction (Day of death, estimated)

Moonphase (Julian calendar phase)

### Disposition

**\*\*Information on disposition (if bird/bat died, where did carcass end up?)**

Incinerated

Injured animal outcome (if the bird was injured, what was its outcome?)

Full Name of Rehabilitation Center (if sent to rehabber) and federal permit number (if available)

### Structure/Configuration /Mitigation/Retrofit Information

Flight diverters on transmission line? (Yes/No)

Type of flight diverter? (list types)

APLIC compliant (if electric utility infrastructure)? (Yes/No)

**\*Type and configuration of feature(s) found near bird and/or or thought responsible**

Describe retrofit and/or mitigation implemented

### Additional Information

Biometric Data on Bird (optional, but could include weight, wing chord, tarsus, tail molt, fat level, brood patch, etc.)

Additional information and Notes (band information, other identifying numbers, etc.)

**Printing this Form:**

To enable viewing of all form fields upon print, all required fields on the form must be populated.

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**\*\*Species (Common Name)**

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[View the USFWS Feather Atlas for help with bird identification and ageing](#)

Unique FWS Specimen ID#:

Scientific Name (include subspecies, if known)

**\*\*# of individuals found or # of nests relocated (if active nest relocation)**

**\*\*How found? (carcass survey/incidental finding)** [View definitions of Carcass Survey and Incidental Finding](#)

**\*\*Sex (if known)**

**\*\*Age (if known)** [View definitions of After Hatching Year, After Second Year and Sub-Adult](#)

**\*\*Condition of bird/carcass (or if active nest relocation, please indicate that here)**

**\*Description of bird/carcass (If Alive, indicate if injured or sick; If Dead, indicate if carcass is intact, freshly killed [eyes moist], semi-fresh [stiff], partially decomposed, feathers and/or bones, other)**

**\*\*Discovery Date (when was bird or bat first discovered)**

Estimated time dead/Injured before discovery

**\*\*Collection Date (when was bird or bat recovered from the field)**

Name of individual collecting injury/mortality

Bald Eagle

FWSAIMR1392738113

1

Carcass Survey

Female

Adult

Active Nest Relocation

2/18/2014

2/19/2014

PHOTOS: If you have any photos you wish to associate with this record, please select the box below to upload them:

**\*\*Suspected cause of injury/mortality** [View definitions of Barotrauma and De-Oiled](#)

Collision with solar panel/heliostat

**\*Additional details on suspected cause of injury/mortality**

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**\*Level of certainty for suspected cause**

Official cause of death

Who determined official cause of death? (Lab Name)

Necropsy (Yes/No)?

### Location Details

**\*\*County (Note: Please list only primary name e.g. Grant Parish would be "Grant", and Alameda County would be "Alameda")**

Alameda

**\*\*State**

CO

**\*Latitude (decimal degrees, e.g. 38.88266)**

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If more than one feature found nearby, indicate second feature here:

If more than two features found nearby, indicate third feature here:

[View definition of Brine Pond](#)

If Light, describe type of light:

If Contaminant, describe type of contaminant:

If Reflective Surface, describe type of reflective surface:

If Other, describe other:

**\*Distance to project feature (s) bird/bat carcass found near (feet)**

Azimuth of bird/carcass to project feature [View definition of Azimuth](#)

Describe the habitat surrounding the carcass or injured animal

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Estimated weather conditions at time of injury/mortality

Wind speed (Day of death, estimated)

Max wind gust speed (Day of death, estimated)

Wind direction (Day of death, estimated)

Moonphase (Julian calendar phase)

### Disposition

**\*\*Information on disposition (if bird/bat died, where did carcass end up?)**

Injured animal outcome (if the bird was injured, what was its outcome?)

Full Name of Rehabilitation Center (if sent to rehabber) and federal permit number (if available)

### Structure/Configuration /Mitigation/Retrofit Information

**\*Type and configuration of feature(s) found near bird and/or thought responsible (e.g. structure type; nameplate information; manufacturer information; model number; height; presence/absence of guy wires; turbine, pole, structure ID#; etc.)**

Describe retrofit and/or mitigation implemented

### Additional Information

Biometric Data on Bird (optional, but could include weight, wing chord, tarsus, tail molt, fat level, brood patch, etc.)

Additional information and Notes (band information, other identifying numbers, etc.)

# GLOSSARY OF TERMS

- After Hatching Year:** A bird known to have hatched earlier than the current calendar year (an after hatching year bird is in at least its second calendar year of life).
- After Second Year:** A bird known to have hatched earlier than the calendar year preceding the current year (an after hatching year bird is in at least its third calendar year of life).
- Azimuth:** The number of degrees between the observer looking north from the location of the discovery of the injured/dead bird or bat to the location of the structure(s) that was potentially responsible (e.g. wind turbine, transmission line, solar panel).
- Barotrauma:** Injury to the body because of changes in barometric (air) or water pressure. It is unknown if Barotrauma affects birds; however, many bat fatalities around wind facilities have been found to be the result of barotrauma-related injuries. This is because bats have large pliable lungs (as opposed to birds, whose lungs are more compact and rigid) that expand when exposed to a sudden drop in pressure, causing tissue damage. Therefore, bats can be incapacitated or killed by internal injuries caused by rapid pressure reductions they cannot detect, even if they are not directly struck by a part of the turbine blade (Baerwald et al. 2008).
- Brine Pond:** A type of non-focusing solar collector consisting of a pool of salt water heated by the sun.
- Carcass Survey:** A methodical process used to detect dead or injured wildlife. During this process, mortality/injury surveys are conducted and injury/mortality findings are logged regularly and in an organized fashion. Carcass surveys are often associated with an established survey and monitoring program.
- De-Oiled:** A breakdown of the fine structure of a bird's feathers that makes them waterproof. This waterproof system works like a winter coat whose outer layer covers a thicker layer of material that traps air, keeping the wearer warm and dry. When this structure is disrupted, as can commonly occur when birds are oiled during an oil spill, the bird is no longer properly insulated from the cold air and water and can die from exposure to the elements.
- Incidental Finding:** A mortality/injury finding that is not associated with a structured monitoring plan. For instance, a lineman discovering a dead bird under a transmission line while repairing a line is considered an incidental finding.
- Project Proponent:** An entity with overall responsibility for the implementation and registration of projects. This is as opposed to the operating company who simply owns and finances these projects. For instance, project proponent Western Wind is a developer that is owned by the Terra-Gen Power LLC operating company.
- Sub-Adult:** A bird that has some adult characteristics but is not yet sexually mature. The term Sub-Adult usually refers to larger birds such as gulls and raptors that may take several years to reach full maturity and recognizable adult plumage.

## LITERATURE CITED:

Baerwald, E.F., D'Amours, G.H., Klug, B.J., Barclay, R.M.R. 2008. Barotrauma is a significant cause of bat fatalities at wind turbines. *Current Biology* 18(16), R695-R696.