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**IVANPAH SOLAR ELECTRIC GENERATING SYSTEM
AVIAN & BAT MONITORING PLAN**

2017 – 2018 Annual Report



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Section 1.0 Introduction

1.1 Project Background

The Ivanpah Solar Electric Generating System (referred to in this report as "Ivanpah" or "Project") consists of three solar power electrical generating facilities (Units 1, 2, and 3) with a combined net capacity of 377 megawatts. Each unit includes a central power tower with an air cooled condenser (ACC) and associated electrical generating equipment, surrounded by a heliostat array that reflects sunlight to a boiler at the top of the power tower. Ivanpah is located on approximately 1,457 hectares (3,600 acres) of Bureau of Land Management (BLM) land west of Interstate 15 near the town of Nipton in San Bernardino County, California (Figure 1). Construction was initiated in 2010 and completed in late 2013.

1.2 Monitoring Plan Overview and Goals

An Avian & Bat Monitoring and Management Plan (Plan) was prepared by the Project proponents in collaboration with the U.S. Fish and Wildlife Service (USFWS), California Department of Fish and Wildlife (CDFW), California Energy Commission (CEC), and Bureau of Land Management (BLM) to guide comprehensive monitoring of impacts to birds and bats associated with the operation of the Project. In December 2017, the TAC approved the field methods described in Revision 14 of the Plan (2017), which provides a framework for comparing detections in the tower area of all three units to baseline levels of mortality observed during the first four years of standardized monitoring.

Specifically, the Plan (2017) details the surveys, data analysis and reporting processes that will be implemented by Ivanpah in collaboration with the USFWS, CDFW, CEC, and BLM and provides the following goals and objectives as excerpted from the Plan (2017):

Plan Goals

1. Assess levels of mortality: Detections (i.e., fatalities or injuries) documented and an annual assessment of the level of mortality will be determined and provided consistent with the “high, medium and low” framework as described in Section 5.3.
2. Provide a Framework for Management and Response to Risks: The designation and description of the functioning of the TAC provides a management and decision framework for the identification and implementation of potential adaptive management measures.

Plan Objectives

The first two years of monitoring documented that the mortality associated with the perimeter fences, transmission lines, and offsite transects was less than 5 detections per season. Additionally, the patterns associated with avian use have been consistent over the seasons and documented in the annual reports. During the third and fourth year of monitoring, consistent patterns of mortality associated with the tower areas and heliostat areas were documented. Therefore, as revised, this Plan has the following objectives:

1. Document patterns of avian and bat mortality and injury at the facility.

2. Provide quantitative and qualitative information for developing and implementing adaptive management responses commensurate with identified impacts.
3. Provide a framework for the TAC to jointly review, characterize, and recommend responses, based on monitoring results, to the appropriate lead agency representatives.

As approved by the TAC, the revised Plan (2017) continues to: 1) satisfy the BLM Right-of-Way (ROW) Permit requirement that the Project proponent develop an avian plan as well as a Migratory Bird Treaty Act (MBTA) Conservation Agreement; 2) satisfy the requirements for the Avian & Bat Monitoring and Management Plan approved by the CEC for Ivanpah per CEC Condition of Certification BIO-21; and 3) achieve the avian and bat protection objectives of the USFWS in relation to the MBTA, Bald and Golden Eagle Protection Act (Eagle Act), and Federal Endangered Species Act (ESA), including preparing written records of the actions that have been taken to avoid, minimize, and compensate for potential adverse impacts to avian and bat species. By developing a proactive management plan in close consultation with the USFWS and other relevant state and federal agencies, Project proponents can effectively comply with the intent of the federal MBTA, Eagle Act, ESA, and relevant state regulations (USFWS 2012).

1.3 Purpose of This Report

This report provides a summary of the detections (by cause and location for known and unknown cause according to the biologically informed seasons (16 December 2017 – 15 December 2018) as described in the 2014 – 2015 Annual Report (WEST 2016), and further described in Section 2.1.5. Biologically informed seasons are defined in this report as winter (15 December 2017 – 20 March 2018), spring (21 March – 25 May 2018), summer (26 May – 17 August 2018), and fall (18 August – 15 December 2018), and are collectively referred to as the 2017 – 2018 monitoring year or year 5 throughout this report.

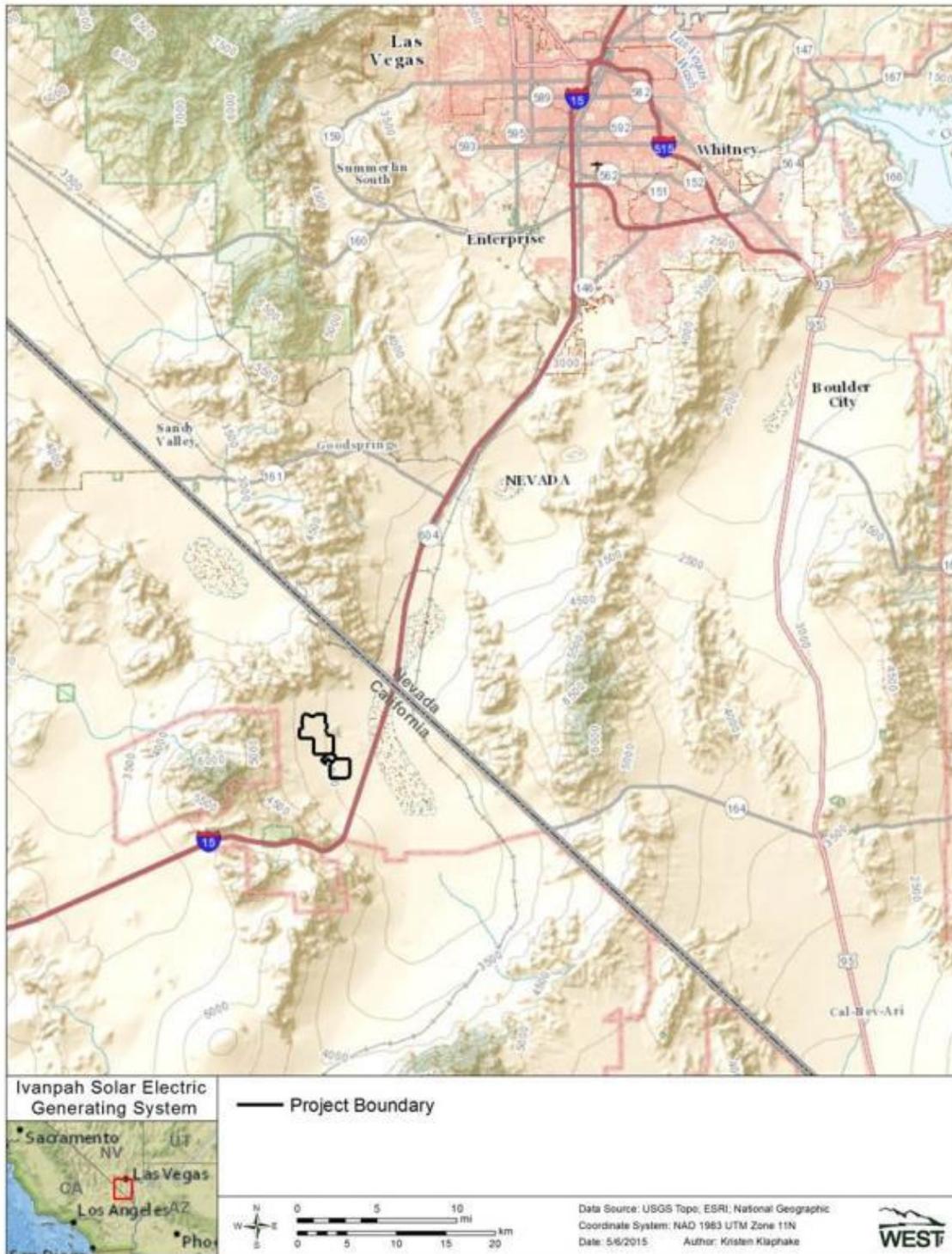


Figure 1. Ivanpah Vicinity Map.

Section 2.0 Methods

The Plan (2017) describes the methods by which monitoring and certain analyses, including comparison of detections the fatality index based on the first four years of monitoring, will occur. Below is an abridged description of the 2017 methods and subsequent modifications approved by the TAC.

2.1 Facility Monitoring

This section describes areas surveyed, the frequency and timing of the searches, and the methods by which standardized searches were conducted to identify dead/injured birds and bats (hereafter detections) at the Project. This section also describes the methods for conducting carcass removal and searcher efficiency trials; how data were reported and analyzed for incidental detections; and the methods for producing fatality estimates for the Project.

2.1.1 Standardized Searches

2.1.1.1 Areas Surveyed

Per the Plan (2017), monitoring was conducted in the “tower area”, defined as the power block (the area consisting of the tower, the ACC unit, the associated control building, and immediately adjacent areas defined by the ring road and berm/slopes surrounding these facilities) and inner high-density (HD) heliostats surrounding each power block.

2.1.1.2 Search Frequency and Timing

Standardized searches occurred at each unit on a 21-day interval in summer and winter seasons, with a 7-day interval in the spring and fall seasons until December 31, 2017. With approval from the TAC on December 21, 2017, standardized search frequency was undertaken at each unit on a 14-day interval beginning January 14, 2018 as per Revision 14 of the Plan (2017)

2.1.1.3 Search Methods

Biologists performed surveys in the tower area. Standardized walking surveys for fatalities were performed by biologists or operations personnel as approved by CEC and BLM, in accordance with the methods outlined in the Plan (2017). Eighteen searches were conducted by biologists; eight searches were conducted by operations staff in accordance with the Plan (2017). Within the power block, biologists or operations staff walked through and around the power tower and ACC unit searching for dead and injured birds and bats, and walked transects through the gravel surrounding the structures to achieve 100% coverage within physically accessible areas. Within the inner HD heliostats surrounding each power block, biologists or operations personnel walked transects to ensure 100% coverage. Thus, the tower area, comprising the area within 260 m of each tower, was completely covered during each survey, excepting any areas that were physically inaccessible or unsafe to survey. Inaccessible areas were, to the extent possible, scanned using binoculars.

Carcass and Feather Spot Examination. Every carcass and feather spot was examined visually by a biologist approved by the CEC and BLM for evidence of singeing or collision. Singeing to feathers can occur when a bird enters the flux around the power tower. When no obvious evidence of singeing or

collision was evident to the naked eye, the carcass or feather spot was then examined using an AmScope SE306R-AZ-E2 20X-40X-80X Digital Binocular Stereo Microscope. When singed detections involving carcasses (as opposed to only feather spots) were found, the singeing was assigned a grade based on Kagan et al. (2014), as follows.

- Grade 1 – curling of less than 50% of the flight feathers
- Grade 2 – curling of 50% or more of the flight feathers
- Grade 3 – curling and visible charring of contour feathers

Kagan et al. (2014) originally found no singeing of contour feathers in the absence of curling of 50% or more of the flight feathers. In contrast, we have found singeing of contour feathers with curling of less than 50% of flight feathers, and in the absence of curling or singeing of any flight feathers. We therefore assigned grade 3 independent of grades 1 and 2.

When a carcass was detected, biologists looked for evidence of collision, including obvious physical trauma or detection adjacent to a heliostat with a bird-strike imprint, smudge mark, and/or feathers on or near the surface of the mirror. If there was no evidence of collision or singeing (e.g., charring, curling, or melting of feathers), as confirmed through microscopic examination, the cause of injury or fatality was listed as “unknown”.

For the purpose of these surveys, feather spots were considered detections when they met the following definition:

At least two or more primary flight feathers, 5 or more tail feathers, or 10 or more feathers of any type concentrated together in an area 1-m² or smaller (Smallwood 2007), without any bone, beak, or significant amounts of flesh or skin.

In some cases, an individual detection was broken up into aggregations of feathers that would meet the criteria for a feather spot, but with pieces of the carcass that contained bone or significant amounts of flesh or skin also present. In these cases, the detection was categorized as a partial carcass (rather than a feather spot), per the “feather spot” definition above.

2.1.4 Incidental Reporting

All incidental detections are reported in the Special Purpose Utility (SPUT) permit database as per the requirements of the USFWS. Incidental detections are those discovered outside standardized search areas or are found within search areas but not during standardized searches. Detections at locations not searched under the Plan (2017) such as the heliostat area or fenceline are also considered incidental detections for this report. These detections are reported in accordance with the facility's Wildlife Incident Reporting System (described in Section 3.4 of the Plan) and are considered “incidental” detections.

Biologically Informed Seasons. In an effort to address the annual variation in migration seasons for non-resident birds, a step-wise, data-driven process was used to define biologically informed seasons in association with the 2014 – 2015 Annual Report. As described in that report, all bird species found as detections at Ivanpah were categorized as resident or non-resident. Resident species were defined as those that occur year-round, such as a black-throated sparrow. These species would be expected to have a more similar fatality risk profile year-round than non-resident species. Non-resident species were defined as either those that are transient (e.g., passing through the area during migration such as yellow-rumped warbler) or seasonal resident (e.g., those species that migrate into the areas to overwinter or breed on an annual basis such as tree swallow) and therefore would be expected to have periodic risk. Based on the dates of non-resident species observed in the Year 1 data, and supported by observations in subsequent years, a decision was made to use December 15 as the end of fall migration for the purposes of comparing seasonal fatality data among years.

Section 3.0 Monitoring Results

3.1 Summary of Avian Detections

During the 2017 – 2018 monitoring year, a total of 531 avian detections (including injured birds and incidentals) of 68 identified species and 83 identifiable species groups (Table 1) were recorded. Of the identifiable species, approximately 31% of species detected breed locally in the Mojave Desert near the Project, 69% are not local breeders and consist of winter resident and passage migrants.

Five-hundred-nineteen (519) detections occurred in the tower area, and 12 were detected incidentally outside of the tower area. Of the 12 detections outside of the tower area, 1 showed signs of singeing, 2 showed signs of collision, and for the remaining nine detections, the cause could not be determined (Figure 2). The one singed detection outside the tower area was a peregrine falcon, found injured near the fence line. It was transported to a rehabilitation facility and as of January 2019 was alive and recovering well. However, the falcon regressed from its injuries and deceased in late 2019.

There were 141 feather spots/partial carcasses in the tower areas of all three units, which accounted for 27.2% of detections in those searched areas. Evidence of singeing was noted through direct and microscopic examination on 64 of these 141 feather spots; evidence of collision (i.e., an impact imprint on a nearby mirror) was noted in the case of two feather spots. Two feather spots were associated with entrapped birds. Otherwise, the causes of the feather spots for the other 73 detections are unknown.

Table 1. Number of Individual Bird Detections, by Species, 2017 – 2018 Monitoring Year.

Identification and Status				Type of Detections			Source and Cause of Detections			
Species	Scientific Name	Local Breeder	Status*	Injuries	Fatalities	Total Detections	Tower Area	Other Project Lands	Singed/Collision/Other	Unknown
unidentified bird (small)	<i>unidentified</i>	NA		0	64	64	64	0	36/0/1	27
yellow warbler	<i>Setophaga petechia</i>	No	SSC, BCC	0	44	44	44	0	39/0/1	4
yellow-rumped warbler	<i>Setophaga coronata</i>	No		0	38	38	38	0	35/0/0	3
Wilson's warbler	<i>Cardellina pusilla</i>	No		0	33	33	33	0	30/0/0	3
mourning dove	<i>Zenaida macroura</i>	Yes		2	17	19	18	1	0/2/0	17
unidentified warbler	<i>unidentified</i>	NA		0	18	18	18	0	15/0/1	2
calliope hummingbird	<i>Selasphorus calliope</i>	No		0	17	17	17	0	16/0/0	1
lazuli bunting	<i>Passerina amoena</i>	No		0	17	17	17	0	14/0/1	2
tree swallow	<i>Tachycineta bicolor</i>	No		1	16	17	17	0	16/0/0	1
unidentified hummingbird	<i>unidentified</i>	NA		0	16	16	16	0	16/0/0	0
northern rough-winged swallow	<i>Stelgidopteryx serripennis</i>	No		0	14	14	14	0	12/0/0	2
unidentified swallow	<i>unidentified</i>	NA		0	14	14	14	0	13/0/1	0
cliff swallow	<i>Petrochelidon pyrrhonota</i>	No		0	12	12	12	0	12/0/0	0
ruby-crowned kinglet	<i>Regulus calendula</i>	No		0	12	12	12	0	11/0/0	1

Identification and Status				Type of Detections			Source and Cause of Detections			
Species	Scientific Name	Local Breeder	Status*	Injuries	Fatalities	Total Detections	Tower Area	Other Project Lands	Singed/Collision/Other	Unknown
black-throated gray warbler	<i>Setophaga nigrescens</i>	No		0	10	10	10	0	10/0/0	0
orange-crowned warbler	<i>Oreothlypis celata</i>	No		0	10	10	10	0	8/0/0	2
rufous hummingbird	<i>Selasphorus rufus</i>	No		0	9	9	9	0	9/0/0	0
verdin	<i>Auriparus flaviceps</i>	Yes		0	8	8	8	0	5/0/1	2
American kestrel	<i>Falco sparverius</i>	Yes		1	7	8	8	0	6/0/0	2
house finch	<i>Haemorhous mexicanus</i>	Yes		0	7	7	7	0	7/0/0	0
Townsend's warbler	<i>Setophaga townsendi</i>	No		0	7	7	7	0	6/0/0	1
greater roadrunner	<i>Geococcyx californianus</i>	Yes		0	6	6	1	5	0/0/0	6
Nashville warbler	<i>Oreothlypis ruficapilla</i>	No		0	6	6	6	0	6/0/0	0
violet-green swallow	<i>Tachycineta thalassina</i>	No		1	5	6	6	0	6/0/0	0
black-tailed gnatcatcher	<i>Polioptila melanura</i>	Yes		0	5	5	5	0	3/0/1	1
Vaux's swift	<i>Chaetura vauxi</i>	Yes	SSC	0	5	5	5	0	4/0/0	1
western meadowlark	<i>Sturnella neglecta</i>	Yes		0	5	5	5	0	0/0/0	5
barn swallow	<i>Hirundo rustica</i>	No		1	4	5	5	0	5/0/0	0
western tanager	<i>Piranga ludoviciana</i>	No		1	4	5	5	0	4/0/0	1
black-throated sparrow	<i>Amphispiza bilineata</i>	Yes		0	4	4	4	0	4/0/0	0

Identification and Status				Type of Detections			Source and Cause of Detections			
Species	Scientific Name	Local Breeder	Status*	Injuries	Fatalities	Total Detections	Tower Area	Other Project Lands	Singed/Collision/Other	Unknown
chipping sparrow	<i>Spizella passerina</i>	No		0	4	4	3	1	3/0/0	1
unidentified sparrow	<i>unidentified</i>	NA		0	4	4	4	0	2/0/0	2
lesser nighthawk	<i>Chordeiles acutipennis</i>	No		2	2	4	3	1	1/1/1	1
common raven	<i>Corvus corax</i>	Yes		3	1	4	4	0	4/0/0	0
American pipit	<i>Anthus rubescens</i>	No		0	3	3	3	0	0/0/0	3
Brewer's blackbird	<i>Euphagus cyanocephalus</i>	No		0	3	3	3	0	0/0/0	3
brown-headed cowbird	<i>Molothrus ater</i>	No		0	3	3	3	0	2/0/0	1
lesser goldfinch	<i>Spinus psaltria</i>	Yes		0	3	3	3	0	3/0/0	0
northern flicker	<i>Colaptes auratus</i>	Yes		0	3	3	3	0	0/0/0	3
unidentified gnatcatcher	<i>Polioptila spp.</i>	NA		0	3	3	3	0	2/0/1	0
white-throated swift	<i>Aeronautes saxatalis</i>	No		0	3	3	3	0	3/0/0	0
Bullock's oriole	<i>Icterus bullockii</i>	No		1	2	3	3	0	1/0/0	2
Anna's hummingbird	<i>Calypte anna</i>	No		0	2	2	2	0	2/0/0	0
Brewer's sparrow	<i>Spizella breweri</i>	Yes		0	2	2	2	0	2/0/0	0
Costa's hummingbird	<i>Calypte costae</i>	Yes	BCC	0	2	2	2	0	2/0/0	0
northern mockingbird	<i>Mimus polyglottos</i>	Yes		0	2	2	2	0	1/0/0	1

Identification and Status				Type of Detections			Source and Cause of Detections			
Species	Scientific Name	Local Breeder	Status*	Injuries	Fatalities	Total Detections	Tower Area	Other Project Lands	Singed/Collision/Other	Unknown
rock pigeon	<i>Columba livia</i>	Yes		0	2	2	2	0	1/1/0	0
unidentified oriole	<i>Icterus spp.</i>	NA		0	2	2	2	0	2/0/0	0
unidentified waterfowl	<i>unidentified</i>	NA		0	2	2	2	0	0/0/0	2
warbling vireo	<i>Vireo gilvus</i>	No		0	2	2	2	0	2/0/0	0
Cooper's hawk	<i>Accipiter cooperii</i>	No		1	1	2	2	0	0/0/0	2
American avocet	<i>Recurvirostra americana</i>	No		0	1	1	0	1	0/0/0	1
bank swallow	<i>Riparia riparia</i>	No	ST	0	1	1	1	0	1/0/0	0
belted kingfisher	<i>Megaceryle alcyon</i>	No		0	1	1	1	0	1/0/0	0
black-chinned hummingbird	<i>Archilochus alexandri</i>	Yes		0	1	1	1	0	1/0/0	0
blue-gray gnatcatcher	<i>Poliophtila caerulea</i>	No		0	1	1	1	0	0/0/0	1
cactus wren	<i>Campylorhynchus brunneicapillus</i>	Yes		0	1	1	0	1	0/0/0	1
Cassin's vireo	<i>Vireo cassinii</i>	No		0	1	1	1	0	1/0/0	0
cedar waxwing	<i>Bombycilla cedrorum</i>	No		0	1	1	1	0	0/0/0	1
dark-eyed junco	<i>Junco hyemalis</i>	No		0	1	1	1	0	1/0/0	0
Eurasian collared-dove	<i>Streptopelia decaocto</i>	No		0	1	1	1	0	1/0/0	0
great horned owl	<i>Bubo virginianus</i>	Yes		0	1	1	0	1	0/1/0	0
hermit warbler	<i>Setophaga occidentalis</i>	No		0	1	1	1	0	1/0/0	0

Identification and Status				Type of Detections			Source and Cause of Detections			
Species	Scientific Name	Local Breeder	Status*	Injuries	Fatalities	Total Detections	Tower Area	Other Project Lands	Singed/Collision/Other	Unknown
Lincoln's sparrow	<i>Melospiza lincolnii</i>	No		0	1	1	1	0	0/1/0	0
Lucy's warbler	<i>Oreothlypis luciae</i>	No	SSC, BCC	0	1	1	1	0	1/0/0	0
MacGillivray's warbler	<i>Geothlypis tolmiei</i>	No		0	1	1	1	0	1/0/0	0
ovenbird	<i>Seiurus aurocapilla</i>	No		0	1	1	1	0	1/0/0	0
pine siskin	<i>Spinus pinus</i>	No		0	1	1	1	0	1/0/0	0
red-winged blackbird	<i>Agelaius phoeniceus</i>	Yes		0	1	1	1	0	1/0/0	0
unidentified bird (unknown size)	<i>unidentified</i>	NA		0	1	1	1	0	0/0/0	1
unidentified blackbird	<i>unidentified</i>	NA		0	1	1	1	0	0/0/0	1
unidentified duck	<i>unidentified</i>	NA		0	1	1	1	0	0/0/0	1
unidentified large bird	<i>unidentified</i>	NA		0	1	1	1	0	0/0/0	1
unidentified sandpiper	<i>Calidris spp.</i>	NA		0	1	1	1	0	0/0/0	1
unidentified sapsucker	<i>Sphyrapicus spp</i>	NA		0	1	1	1	0	1/0/0	0
unidentified shorebird	<i>unidentified</i>	NA		0	1	1	1	0	1/0/0	0
varied thrush	<i>Ixoreus naevius</i>	No		0	1	1	1	0	0/0/0	1
vesper sparrow	<i>Pooecetes gramineus</i>	No		0	1	1	1	0	1/0/0	0
western kingbird	<i>Tyrannus verticalis</i>	Yes		0	1	1	1	0	1/0/0	0

Identification and Status				Type of Detections			Source and Cause of Detections			
Species	Scientific Name	Local Breeder	Status*	Injuries	Fatalities	Total Detections	Tower Area	Other Project Lands	Singed/Collision/Other	Unknown
western wood-pewee	<i>Contopus sordidulus</i>	No		0	1	1	1	0	1/0/0	0
Wilson's snipe	<i>Gallinago delicata</i>	No		0	1	1	1	0	0/0/0	1
black-headed grosbeak	<i>Pheucticus melanocephalus</i>	No		1	0	1	1	0	1/0/0	0
peregrine falcon	<i>Falco peregrinus</i>	No	FP, BCC	1	0	1	0	1	1/0/0	0
Total				16	515	531	519	12	400/6/9	116

* SSC = California species of special concern, ST = State threatened, BCC = USFWS bird of conservation concern for BCR 33, FP= California fully protected species.

3.1.1 Spatial Patterns of Detections

During the 2017 – 2018 monitoring year, 519 detections were found in the tower area with 128 (24.7%) in Unit 1, 182 (35.1%) in Unit 2, and 208 (40.2%) in Unit 3. Of the tower area detections, 399 (76.9%) showed signs of singed feather damage, 4 (0.8%) showed signs of collision, 9 (1.7%) were attributed to entrapment, and cause could not be determined for 107 (20.6%)

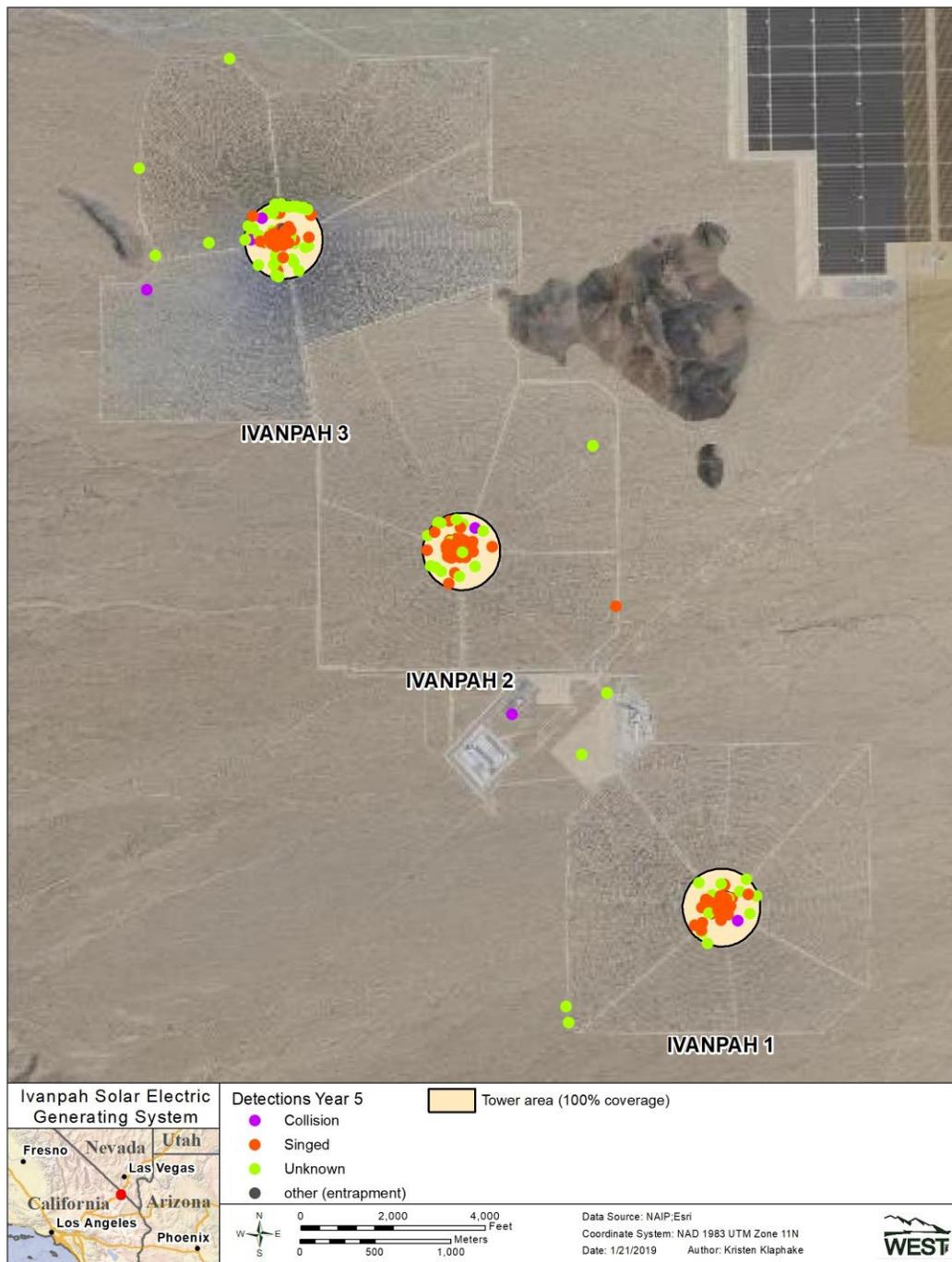


Figure 2. Locations of Detections, by Cause, within Solar Units.

3.1.2 Temporal Patterns of Detections

The number of detections reported per day varied during the 2017 – 2018 monitoring year. The number of detections per day represents the accumulation of detections over the search interval minus those detected incidentally and removed between searches. Consistent with previous years, detections per day in the tower area showed a strong seasonal pattern with detections highest in the spring and fall (Figure 3).

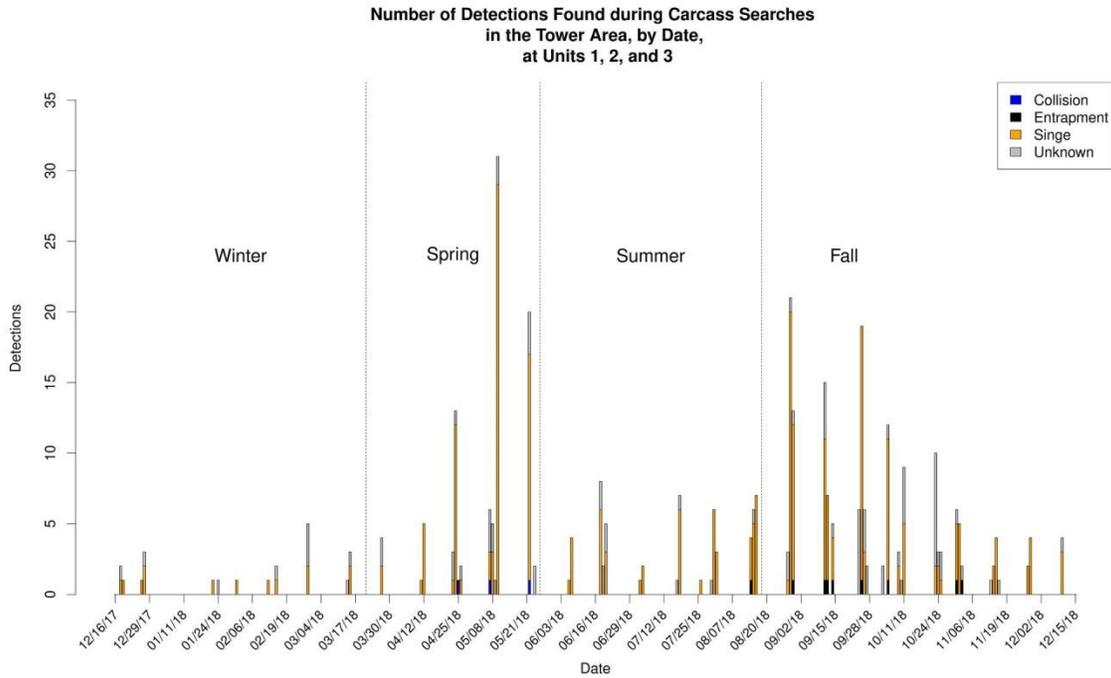


Figure 3. Number of Detections on Each Survey Date, 2017 – 2018 Monitoring Year.

3.1.2 Summary of Bat Detections

Five bats representing three species and one unidentified species were detected as fatalities during the 2017 – 2018 monitoring year. The fatalities comprised two Mexican free-tailed bats (*Tadarida brasiliensis*), one Yuma bat (*Myotis yumanensis*), one Western small-footed bat (*Myotis ciliolabrum*), and one unidentified bat. All bats were found in the power block, with one Mexican free-tailed bat and the Yuma bat found in unit 2, and all other bats found in unit 3. Given the few detections of bats, they are not discussed further.

Section 4.0 Comparison to Fatality Index

This section utilizes the detection data as described in Section 3 to evaluate the potential for impacts in accordance with the modified Plan (2017). Detection data from the tower area for year 5 are compared to the fatality index model developed in the Plan (2017) to determine if the results of monitoring are consistent with previous years of intensive monitoring in the tower area of all three units.

4.1 Fatality Index Comparison

There was a total of 519 detections (resulting from fatality searches or incidental detection) in the tower area during the 2017-2018 monitoring year. The fatality index model developed in the Plan (2017) predicted that the number of detections resulting from operations monitoring should be, on average, 504, and be between 276 and 746 detections to be 90% confident that the results of fatality monitoring were consistent with the first four years of monitoring. Since the total for year 5, is well within the 90% prediction interval (276-746), the overall number of fatalities in year 5 is consistent with the first four years of monitoring (Figure 4).

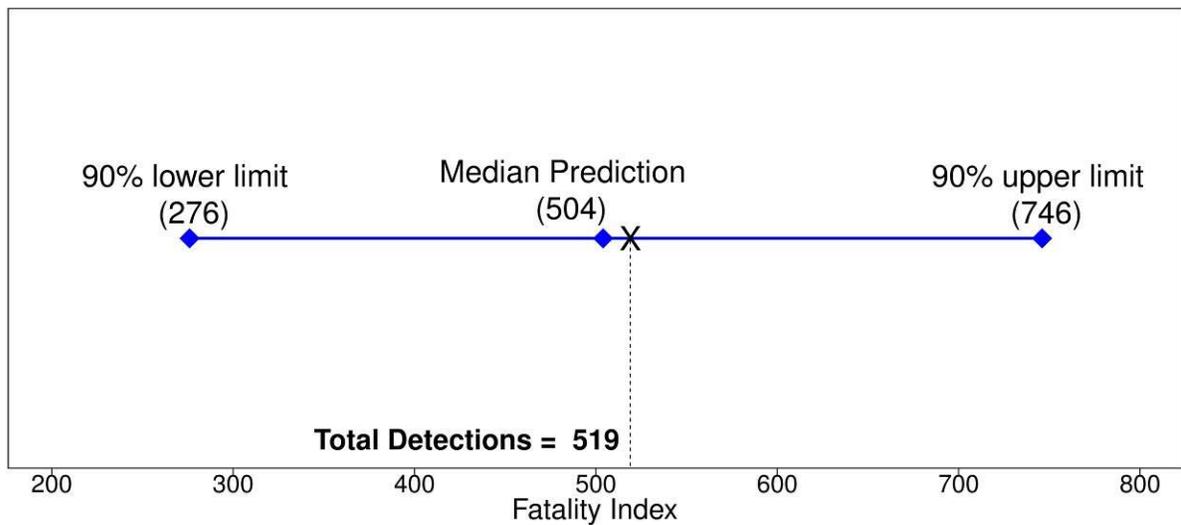


Figure 4. Total number of detections in the tower area during year 5 (519) relative to the fatality index.

Section 5.0 Framework for Management and Risk Response

According to Section 5.3 of the Plan, migratory bird mortality at Ivanpah is categorized as high, medium, or low to provide an appropriate biological basis for TAC review and decision making, based on the following definitions:

1. “High: Estimated avian mortality or injury levels are facility-caused and likely to seriously and negatively affect local, regional, or national avian populations within a particular species or group of species.”
2. “Medium: Estimated avian mortality or injury levels are facility-caused and have the potential to negatively affect local, regional, or national populations within a particular avian species or group of species.”
3. “Low: Estimated avian mortality or injury levels that have minimal or no potential to negatively affect local, regional, or national populations within a particular species or group of species.”

5.1 Assessment of Potential Effects to National and Regional Populations

Using the fatality index, the number of detections can be used to understand the potential effects of the facility on birds in the context of the first four years of monitoring and assess the level of effect determination. Typically, the number of fatalities provides little insight into potential population level effects because the fatality estimate is not known. However, in monitoring years 1 – 4, it was determined that in each year the facility had a low potential to impact each species or species group at the local, regional, or national scale. Thus, the range of values for the fatality index generated from the first four years of monitoring represents a range of values to have a low potential impact on populations (HTH 2015, WEST 2016, WEST 2017, WEST 2018). The number of detections in the 2017 – 2018 monitoring year is within range of the fatality index indicating a low determination of potential effect consistent with the ABMMP Rev 14.

As presented in ABMMP Rev 14 (Appendix D), species with more than 5 detections are evaluated for potential effects on the national or regional population. Factors established for evaluating potential population effects in ABMMP Rev 14 (Appendix D) include: species status, population size, and life history strategy. During the 2017 – 2018 monitoring year, one special status species, yellow warbler (California species of special concern) had > 5 detections. However, when considering the scale of evaluation (national and regional) the 44 total detections represent 0.0000013% and 0.000073% of the national and regional, populations. Thus, mortality of yellow warblers at the Project has low potential to influence national and regional populations. During the 2017-2018 monitoring year, all of the top ten species by total detections have robust populations nationally and regionally except ruby-crowned kinglet at the regional scale as it has a breeding range in California limited to the Sierra Nevada Mountains (Table 2). Although the ruby-crowned kinglet breeding range is limited in California, it has an extensive breeding range in the western US extending through Oregon; Washington; British Columbia, Canada; into Alaska. Further, the ruby-

crowned kinglet winters in the Project area and throughout the southern US creating the potential for individuals at the Project to have originated outside of California. Thus, specific to ruby-crowned kinglet, based on the extent of the breeding range, the majority (83%; 10/12) of fatalities occurring in fall and winter, and migratory nature of the species, there is a low potential for regional and national population level effects. For other species, there is low potential for mortality at the Project to have population level effects at the regional and national scale based on the species detected and the distribution regionally and nationally.

Table 2. Number of detections, occurrence at the Project, and population estimates for the top 10 species detected at the Project.

Species	Occurrence at Project	Year 5	Population estimates from Partners in Flight Database	
		Total detections	Regional (California)	National
yellow warbler	Uncommon spring migrant, common fall migrant	44	600,000	34,000,000
yellow-rumped warbler	Spring and fall migrant	38	1,800,000	38,000,000
Wilson's warbler	Spring and fall migrant	33	1,000,000	30,000,000
calliope hummingbird	Spring and fall migrant	17	200,000	1,800,000
lazuli bunting	Spring and fall migrant	17	1,000,000	4,800,000
mourning dove	Fall migrant, year round resident	19	3,500,000	96,000,000
tree swallow	Spring and fall migrant	17	400,000	7,600,000
Northern rough-winged swallow	Spring and fall migrant	14	1,400,000	13,000,000
cliff swallow	Spring and fall migrant	12	5,000,000	30,000,000
ruby-crowned kinglet	Spring and fall migrant	12	6,000	18,000,000

5.2 Assessment of Effects to Local Populations

To evaluate the potential effect on a local population breeding near the Project, all species detected are reviewed to determine if the species is a part of the local population breeding near the Project. The goal of each revision of the ABMMP was to evaluate potential impacts to local populations breeding in the vicinity of the project, and as such this analysis does not attempt to evaluate potential impacts to local populations breeding away from the project area.

A decision framework is used to determine if a species is a local breeder near the Project. This framework assumes that if a fatality is found during the breeding season and the fatality is of a locally breeding individual. The decision framework below describes how the data is reviewed for all species detected to determine the detections that could be of locally breeding individuals. Regardless, all special status species are reviewed to determine the number of detections of locally breeding individuals regardless of the number of detections.

Following the decision framework, species with >5 detections were reviewed to determine, based on range maps, those that could breed locally in the vicinity of the Project. Although estimates are not produced, >5 detections are used as a threshold for analysis, consistent with the previous four years of assessments as the level where estimates can be reliably produced. Of the 24 species with > 5 detections, five were determined to be local breeders. Next, the timing of the fatalities was reviewed to determine those that occurred during the species breeding season, based on information provided in species accounts at <https://nrm.dfg.ca.gov/taxaquery/Default.aspx>. Of the five locally breeding species, one had >5 detections during the breeding season, mourning dove (13 detections; Table 3).

Table 3. Number of Detections of Locally Breeding Species During the 2017 – 2018 Monitoring Year.

Species	Start of breeding season	End of breeding season	Number of detections
Mourning dove	Late January	Late September	13
House finch	March	August	4
American kestrel	Early April	August	3
Verdin	March	Early July	2
Greater roadrunner	April	July	1

After screening the detections to determine if there are affected local populations for species, a weight of evidence approach was used to determine the potential for a local population level effect. First, the species' status was reviewed to determine if any natural resource agency has designated the area in the vicinity of the Project as a distinct population requiring special management. Mourning dove is not a special status species nor has a special management designation in the Mojave Desert ecoregion. Second, the distribution of the species and overall population in the Mojave Desert in California and Nevada (Bird Conservation Region (BCR) 33) – obtained from the Partners in Flight database – was reviewed to determine the distribution and abundance in BCR 33. The mourning dove population estimate in BCR 33 is 1,300,000; a robust population likely to be unaffected by local removal of individuals at the Project. Mourning dove is short-lived and highly fecund, and populations of birds with these life history traits are more sensitive to fecundity than adult survival (Stahl and Oli 2006). Further, mourning dove has a long breeding season providing the opportunity for multiple breeding attempts to produce offspring that could be recruited into the local population. Taken together, there is a low potential for impacts from the Project to the local population of mourning dove.

5.3 Assessment of Effects to Special Status Species

Special-status species recorded as detections included 44 yellow warblers (California species of special concern, BCR 33 bird of conservation concern), 5 Vaux's swifts (California species of special concern), 2 Costa's hummingbirds (BCR 33 bird of conservation concern), 1 bank swallow (California state threatened), 1 Lucy's warbler (California species of special concern, BCR 33 bird of conservation concern), 1 peregrine falcon (California fully protected species, BCR 33 bird of conservation concern).

The bank swallow, which is state listed as threatened, and the peregrine falcon, which is a state fully protected species, are discussed further below. The yellow warblers were discussed above in Section 5.1. The remaining special status species had 5 or fewer detections, and no further analysis is conducted. Impacts from these detections do not rise above a “low” potential effect on a national, regional or local level.

Table 4. Detections of Sensitive Species during the 2017-2018 Monitoring Year.

Species	Status*	Fatalities	Injuries	Total
yellow warbler	SSC, BCC	44	0	44
Vaux’s swift	SSC	5	0	5
Costa’s hummingbird	BCC	2	0	2
bank swallow	ST	1	0	1
Lucy’s warbler	SSC, BCC	1	0	1
Peregrine falcon	FP, BCC	0	1	1
Total	SSC	53	0	53

*SSC = California species of special concern, ST = State threatened, BCC = USFWS bird of conservation concern for BCR 33, FP= California fully protected species.

Bank swallow is listed regionally in California due to a declining population throughout the state, and most bank swallows’ nest along the Sacramento River and its tributaries (BSTAC 2013). An estimated 20,000 bank swallows occur regionally within California and an estimated 1,400,000 occur nationally in the United States (Partners in Flight Science Committee 2013). As the local area for the Project does not contain bank swallow nesting habitat, there is no local population for evaluation. The single detection recorded during the 2017 – 2018 monitoring year likely resulted from migrating individuals that could breed as far north as Alaska. The fatality of one bank swallow represents a very small proportion of the regional or national population; thus, the estimated bank swallow fatalities during the 2017 – 2018 monitoring year does not rise above the “low” category, as loss of this magnitude would have a minimal effect on populations at all geographic scales (regional or national).

The peregrine falcon is a California fully protected species, and was federally delisted in 1999 (64 FR 46542–46558) and state delisted in 2009 (California Fish and Game Commission 2009). According to the USFWS Peregrine Falcon Fact Sheet, “In August 1999, the U.S. Fish and Wildlife Service removed the American peregrine falcon from the list of endangered and threatened species, marking one of the most dramatic successes of the Endangered Species Act” (USFWS 2006). According to the CDFW status review in 2008 that supported the state delisting, the peregrine falcon had recovered in California sufficiently to support delisting, finding that the breeding population size increased dramatically by 2008, as the threat by pesticides has been largely removed, though some hotspots remain (Comrack and Longdon 2008). Per the status review, the Project is not located in the breeding range (see Table 1 and Figure 1, Comrack and Longdon 2008); therefore, there is no local population. Currently, the CDFW California Natural Diversity Database (2015) ranks peregrine falcon in California as “G4T4 S3S4”. G4 indicates that at the global level, the species is “Apparently Secure”, which is defined as “Uncommon but not rare; some cause for long-term concern due to declines or other factors”. T4 indicates that at the subspecies level, the global condition is also “Apparently Secure.” The S3S4 designation means that at the state level, the species falls in between Vulnerable and Apparently Secure. It is unclear if the individual bird that died at the rehab facility was

from the Nevada or California population. Nationwide, results show that there are about 3,000 breeding pairs (Green et al. 2006). No separate peregrine falcon population estimate is provided in California. Regardless, the increasing population overall and a state ranking that rises to Apparently Secure indicate that the loss of one individual from the population is unlikely to affect the regional or national population and does not rise above the “low” category.

Section 6.0 Recommendations

Based on the results on the Year 5 monitoring, the following recommendations are provided.

1. **Continue Implementation of the Approved Version of Revision 14 of the ABMMP.** The tower area is the location of all known causes – singeing, collision, and entrapment in the ACC. Rev 14, which provides ongoing systematic surveys in the tower area, will provide data that will allow for continued annual risk analysis, adaptive management and a comparison in the trends in detections with Years 1 – 5.

Section 9.0 Literature Cited

- Avian & Bat Monitoring and Management Plan - Ivanpah Solar Electric Generating System. November 2013. Available at <http://docketpublic.energy.ca.gov/PublicDocuments/07-AFC-05C/TN20131520131122T160942IvanpahAvianMonitoringPlanrev12.PDF>
- Avian & Bat Monitoring and Management Plan - Ivanpah Solar Electric Generating System. November 2015. Available at http://docketpublic.energy.ca.gov/PublicDocuments/07-AFC-05C/TN207105_20151223T092433_Avian_Bat_Monitoring_and_Management_Plan_Nov_2015.pdf
- Bureau of Land Management (BLM) 2013. Final environmental impact statement / final environmental impact report. BLM/CA/PL-2015-001+1793.
- Kagan, R. A., T. C. Viner, P. W. Trail, and E. O. Espinoza. 2015. Avian Mortality at Solar Energy Facilities in Southern California: A Preliminary Analysis. National Fish and Wildlife Forensics Laboratory.
- Manly, B. F. J. 1997. Randomization, Bootstrap, and Monte Carlo Methods in Biology. 2nd Edition. Chapman and Hall, London.
- Partners in Flight Science Committee 2013. Population Estimates Database, version 2013. Available at <http://rmbo.org/pifpopestimates>. Accessed on 14 January 2018.
- Sauer, J. R., J. E. Hines, J. E. Fallon, K. L. Pardieck, D. J. Ziolkowski, Jr., and W. A. Link. 2015. The North American Breeding Bird Survey, Results and Analysis 1966 - 2012. Version 02.19.2015 USGS Patuxent Wildlife Research Center, Laurel, MD
- Shuford, W. D. and Gardali, T., editors. 2008. California Bird Species of Special Concern: A ranked assessment of species, subspecies, and distinct populations of birds of immediate conservation concern in California. Studies of Western Birds 1. Western Field Ornithologists, Camarillo, California, and California Department of Fish and Game, Sacramento.
- Smallwood, K.S. 2007. Estimating wind turbine-caused bird mortality. Journal of Wildlife Management, 71, 2781-2791.
- Stahl, J. T., and M. K. Oli. 2006 Relative importance of avian life-history variables to population growth rate. Ecological Modelling 198:183-194.
- U.S. Fish and Wildlife Service (USFWS). 2012. *Final Land-Based Wind Energy Guidelines*. March 23. 82 pp. Available online at: <http://www.fws.gov/windenergy/docs/WEGfinal.pdf>

Appendix A. Individual Avian Detections.

USFWS #	Common Name	Species Code	How Found	Detection Date	Collection Date	Condition	Time Since Death/Injury	Description of Carcass/Injury	Cause of Death/Injury	Burn Grade	Unit	Nearest Project Feature	UTM Coordinates	SPUT Revisions
2017_489_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	12/18/2017	12/18/2017	Broken up	3-6 days	Broken up carcass consisting of piece of wing consisting of 3 flight feathers and coverts attached together. Evidence of curling to all flight feathers and singe to coverts.	Scorched or singed	1	3	Powerblock	637409, 3937911	NA
2017_490_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	12/18/2017	12/18/2017	Feather spot	3-6 days	Feather spot size small consisting of 27 contour feathers. No evidence of collision or singe.	Unknown		3	Powerblock	637467, 3937905	NA
2017_491_ISEGS	Northern Mockingbird	NOMO	Incidental	12/18/2017	12/18/2017	Dead, fresh (eyes moist)	0-8 hours	Whole carcass. No evidence of collision or singe.	Unknown		3	Powerblock	637486, 3937966	NA
2017_492_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	12/19/2017	12/19/2017	Broken up	2 days	Broken up carcass consisting of piece of partial wing comprised of 5 secondaries and coverts attached by dried skin, 1 primary. Evidence of curling to several coverts.	Scorched or singed	3	3	Heliostat	637473, 3937796	NA
2017_493_ISEGS	Unidentified Gnatcatcher	UNGN	Carcass Survey	12/26/2017	12/26/2017	Feather spot	3-6 days	Feather spot size small consisting of 24 body feathers and 8 rectrices and 1 flight feather. Evidence of curling to all flight feathers and singe to some body feathers.	Scorched or singed	Unk	1	Heliostat	640242, 3933341	NA
2017_494_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	12/27/2017	12/27/2017	Broken up	3-6 days	Broken up carcass consisting of piece of partial wing and clump of contour feathers held together by dried skin, 1 primary, and 5 flight feathers. Evidence of curling to all flight feathers and singe to all contour feathers.	Scorched or singed	2	1	Powerblock	640355, 3933496	NA
2017_495_ISEGS	Unknown Swallow	UNSW	Carcass Survey	12/27/2017	12/27/2017	Feather spot	2 weeks	Feather spot size large consisting of 2 primaries, 2 secondaries, 2 coverts, and 6 contour feathers. Evidence of curling to a secondary.	Scorched or singed	1	1	Powerblock	640359, 3933496	NA
2017_496_ISEGS	Unknown Waterfowl	UNWF	Carcass Survey	12/27/2017	12/27/2017	Broken up	3-6 days	Broken up carcass consisting of 1 primary and 2 underwing coverts attached by dried skin, 1 primary, and 1 primary covert. No evidence of collision or singe.	Unknown		1	Powerblock	640317, 3933553	NA
2017_497_ISEGS	Lesser Nighthawk	LENI	Incidental	12/20/2017	12/28/2017	Mummified	1 month +	Mummified whole carcass. Evidence of curling to primaries and secondaries, singe to crown and flanks.	Scorched or singed	2	1	Powerblock	640373, 3933487	NA

2018_001_ISEGS	Unidentified Swallow	UNSW	Carcass Survey	1/22/2018	11/22/2018	Broken up	1 month +	Broken up carcass consisting of partial right wing. Evidence of singe present of secondaries and coverts.	Scorched or singed	Unk	1	Powerblock	640356, 3933508	NA
2018_002_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	1/24/2018	1/24/2018	Feather spot	2 weeks	Feather spot size small consisting of 5 secondaries and 6 coverts. No evidence of collision or singe.	Unknown		2	Heliostat	638622, 3936061	NA
2018_003_ISEGS	Tree Swallow	TRES	Incidental	1/30/2018	1/30/2018	Mummified	1 month +	Whole carcass. No evidence of collision or singe.	Unknown		2	NA	638660, 3935845	NA
2018_004_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	1/31/2018	1/31/2018	Feather spot	2 weeks	Feather spot size small consisting of 2 primaries and 2 contour feathers. Evidence of slight singe on tips of primaries.	Scorched or singed	1	2	Powerblock	638649, 3935837	NA
2018_005_ISEGS	Great Horned Owl	GHOW	Incidental	2/1/2018	2/1/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	2 weeks	Whole carcass. Evidence of collision with imprint matching size and shape of bird on heliostat mirror.	Collision with solar panel/heliostat		3	Heliostat	636573, 3937582	NA
2018_006_ISEGS	Anna's Hummingbird	ANHU	Carcass Survey	2/12/2018	2/12/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Whole carcass. Evidence of curling to primaries and secondaries, singe to rump, head, and chest.	Scorched or singed	2	3	ACC Building	637520, 3937959	NA
2018_007_ISEGS	Cliff Swallow	CLSW	Incidental	2/14/2018	2/14/2018	Mummified	1 month +	Whole carcass. Evidence of singe to several tips of primaries.	Scorched or singed	2	1	Powerblock	640373, 3933487	NA
2018_008_ISEGS	Costa's Hummingbird	COHU	Incidental	2/15/2018	2/15/2018	Dead, fresh (eyes moist)	8-24 hours	Whole carcass. Evidence of curling to all major flight feathers in both wings and tail, singe to top of head, nape, throat, upper breast, and undertail.	Scorched or singed	2	2	Powerblock	638662, 3935868	NA
2018_009_ISEGS	Brown-headed Cowbird	BHCO	Carcass Survey	2/15/2018	2/15/2018	Broken up	2 weeks	Broken up carcass consisting of partial left and right wings and left leg. Evidence of curling to primaries and secondaries.	Scorched or singed	Unk	1	ACC Building	640413, 3933547	NA
2018_010_ISEGS	Unknown Bird	UNBD	Carcass Survey	2/15/2018	2/15/2018	Broken up	3-6 days	Broken up carcass consisting of partial right wing. No evidence of collision or singe.	Unknown		1	Powerblock	640313, 3933575	NA
2018_011_ISEGS	Unidentified Small Bird	UNID	Incidental	2/21/2018	2/21/2018	Mummified	1 month +	Mummified carcass consisting of body without head. Evidence of curling to back feathers with flight feathers singed off.	Scorched or singed	2	1	Powerblock	640373, 3933487	NA
2018_012_ISEGS	Unknown Swallow	UNSW	Incidental	2/21/2018	2/21/2018	Mummified	1 month +	Mummified whole carcass without rectrices present. Evidence of singe to rump, head, back, flanks, and underparts with all flight feathers singed off.	Scorched or singed	2	1	Powerblock	640373, 3933487	NA
2018_013_ISEGS	Unknown Hummingbird	UNHU	Carcass Survey	2/27/2018	2/27/2018	Mummified	1 month +	Mummified carcass with detached head. Evidence of singe to primaries.	Scorched or singed	1	2	Powerblock	638644, 3935847	NA
2018_014_ISEGS	Unknown Sparrow	UNSP	Carcass Survey	2/27/2018	2/27/2018	Feather spot	2 weeks	Feather spot size small consisting of 20 body feathers. No evidence of collision or singe.	Unknown		3	Powerblock	637475, 3937920	NA

2018_015_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	2/27/2018	2/27/2018	Broken up	1 month +	Broken up carcass consisting of 9 primaries of left wing attached by dried flesh. No evidence of collision or singe.	Unknown	3	Powerblock	637382, 3937896	NA
2018_016_ISEGS	Unknown Swallow	UNSW	Carcass Survey	2/27/2018	2/27/2018	Mummified	1 month +	Mummified carcass. Evidence of curling to all flight feathers and singe to back.	Scorched or singed	2	3 Powerblock	637395, 3937894	NA
2018_017_ISEGS	American Kestrel	AMKE	Carcass Survey	2/27/2018	2/27/2018	Feather spot	2 weeks	Feather spot size large consisting of 3 primaries and 1 secondary. No evidence of collision or singe.	Unknown	1	Powerblock	640287, 3933537	NA
2018_018_ISEGS	Yellow-rumped Warbler	YRWA	Incidental	3/12/2018	3/12/2018	Dead, fresh (eyes moist)	8-24 hours	Whole carcass. Evidence of singe to right side of throat and upper breast, slight singe on primary.	Scorched or singed	1	2 Powerblock	638645, 3935879	NA
2018_019_ISEGS	Unknown Waterfowl	UNWF	Carcass Survey	3/14/2018	3/14/2018	Broken up	2 weeks	Broken up carcass consisting of 2 tertiary flight feathers attached by dried skin, 4 secondaries, and 1 undertail covert. No evidence of collision or singe.	Unknown	1	Heliostat	640281, 3933254	NA
2018_020_ISEGS	Northern Rough-winged Swallow	NRWS	Carcass Survey	3/15/2018	3/15/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Whole carcass. Evidence of curling to all major flight feathers, singe to right lower flank, wing coverts, left side of face, nape, and back.	Scorched or singed	3	2 ACC Building	638676, 3935908	NA
2018_021_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	3/15/2018	3/15/2018	Feather spot	2 weeks	Feather spot size small consisting of 2 primaries. No evidence of collision or singe.	Unknown	2	Powerblock	638585, 3935915	NA
2018_022_ISEGS	Unknown Hummingbird	UNHU	Carcass Survey	3/15/2018	3/15/2018	Mummified	1 month +	Whole carcass. Evidence of singe to chest and abdomen.	Scorched or singed	2	3 ACC Building	637465, 3937972	NA
2018_023_ISEGS	Common Raven	CORA	Incidental	3/19/2018	3/19/2018	Alive, injured	0-8 hours	Alive, injured bird that later died at rehab facility. Bird showed signs of singe to right wing and tail, left side of face, upper breast, legs, and wing coverts with left eye burnt, apparent injury to right leg, and all majority of flight feathers in le	Scorched or singed	2	3 Powerblock	637408, 3937944	NA
2018_024_ISEGS	Wilson's Snipe	WISN	Incidental	3/20/2018	3/20/2018	Feather spot	2 weeks	Feather spot size large consisting of 100 flight and body feathers. No evidence of collision or singe.	Unknown	2	Heliostat	638450, 3935752	NA
2018_025_ISEGS	Lincoln's Sparrow	LISP	Incidental	3/20/2018	3/20/2018	Dead, fresh (eyes moist)	8-24 hours	Whole carcass. Probable evidence of collision by possible chipped beak.	Collision with solar panel/heliostat	2	Heliostat	638745, 3936004	NA
2018_026_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	3/27/2018	3/27/2018	Feather spot	1 month +	Feather spot size small consisting of 11 body feathers. No evidence of collision or singe.	Unknown	2	Powerblock	638659, 3935868	NA

2018_027_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	3/27/2018	3/27/2018	Feather spot	2 weeks	Feather spot size small consisting of 10 body feathers. No evidence of collision or singe.	Unknown	2	Powerblock	638638, 3935874	NA	
2018_028_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	3/27/2018	3/27/2018	Broken up	2 weeks	Broken up carcass consisting of 5 primaries and several coverts held together by dried skin. Evidence of curling to 3 primaries.	Scorched or singed	Unk	2	NA	638659, 3935904	NA
2018_029_ISEGS	Unidentified Warbler	UNWA	Carcass Survey	3/27/2018	3/27/2018	Mummified	1 month +	Whole carcass. Evidence of curling to primaries.	Scorched or singed	1	2	ACC Building	638657, 3935909	NA
2018_030_ISEGS	Ruby-crowned Kinglet	RCKI	Incidental	3/30/2018	4/2/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Whole carcass. Evidence of curling to left and right wings with retrices singed off, singe to head and chest.	Scorched or singed	2	3	Powerblock	637491, 3937922	NA
2018_031_ISEGS	House Finch	HOFI	Incidental	3/31/2018	4/2/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	2 days	Whole carcass. Evidence of curling to primaries, secondaries, and retrices; singe to head, nape, rump, and breast.	Scorched or singed	2	1	Powerblock	640355, 3933515	NA
2018_032_ISEGS	Yellow-rumped Warbler	YRWA	Incidental	4/2/2018	4/2/2018	Dead, fresh (eyes moist)	0-8 hours	Whole carcass. Evidence of curling to all flight feathers, 90% of body singed.	Scorched or singed	2	2	Powerblock	638645, 3935864	NA
2018_033_ISEGS	Yellow-rumped Warbler	YRWA	Incidental	4/2/2018	4/2/2018	Dead, fresh (eyes moist)	0-8 hours	Whole carcass. Evidence of curling to primaries, secondaries, and retrices with most singed off; singe to head, back, chest, and belly.	Scorched or singed	2	2	Powerblock	638648, 3935883	NA
2018_034_ISEGS	Tree Swallow	TRES	Incidental	4/2/2018	4/2/2018	Dead, fresh (eyes moist)	0-8 hours	Whole carcass. Evidence of curling to all major flight feathers with retrices singed off, singe to wing coverts, left side of face, nape, back, and uppertail coverts.	Scorched or singed	2	1	Powerblock	640373, 3933487	NA
2018_035_ISEGS	Barn Swallow	BARS	Incidental	4/2/2018	4/2/2018	Alive, injured	0-8 hours	Alive and injured bird. Evidence of singe to flight feathers.	Scorched or singed	2	1	Powerblock	640368, 3933503	NA
2018_036_ISEGS	Violet-green Swallow	VGSW	Incidental	4/2/2018	4/2/2018	Alive, injured	0-8 hours	Whole carcass. Bird was first brought to office as injured but later succumbed to its injuries while being monitored. Evidence of curling to all major flight feathers in wing and tail, singe to left side of throat and head, nape, and upper back.	Scorched or singed	2	1	Powerblock	640370, 3933567	NA
2018_037_ISEGS	House Finch	HOFI	Incidental	4/2/2018	4/2/2018	Dead, fresh (eyes moist)	0-8 hours	Whole carcass. Evidence of singe to right side of face and neck.	Scorched or singed	3	1	Powerblock	640371, 3933565	NA
2018_038_ISEGS	Tree Swallow	TRES	Incidental	4/5/2018	4/9/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Whole carcass. Evidence of curling to primaries, secondaries, and retrices; singe to nape, back, and rump.	Scorched or singed	Unk	1	Powerblock	640303, 3933519	NA

2018_039_ISEGS	Tree Swallow	TRES	Incidental	4/6/2018	4/6/2018	Alive, injured	0-8 hours	Alive, injured bird. Evidence of curling to all major flight feathers in wings and tail, singe to back and wing coverts.	Scorched or singed	2	3	Powerblock	637422, 3937925	NA
2018_040_ISEGS	Tree Swallow	TRES	Carcass Survey	4/11/2018	4/11/2018	Broken up	3-6 days	Broken up carcass consisting of piece of partial left wing, clumps of breast and back feathers attached by dried skin, secondaries held together by flesh, 2 primaries, 4 secondaries, and coverts. Evidence of singe on several secondaries.	Scorched or singed	1	1	Heliostat	640197, 3933375	NA
2018_041_ISEGS	Unknown Swallow	UNSW	Carcass Survey	4/12/2018	4/12/2018	Feather spot	2 weeks	Feather spot size small consisting of 2 primaries and a covert. Evidence of curling to both primaries.	Scorched or singed	1	3	Powerblock	637469, 3937960	NA
2018_042_ISEGS	Northern Rough-winged Swallow	NRWS	Carcass Survey	4/12/2018	4/12/2018	Feather spot	2 weeks	Feather spot size small consisting of 2 primaries. Evidence of singe to edge of primary.	Scorched or singed	1	3	Powerblock	637409, 3937959	NA
2018_043_ISEGS	Costa's Hummingbird	COHU	Carcass Survey	4/12/2018	4/12/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	2 days	Whole carcass. Evidence of curling to several rectrices, singe to top of head, back, rump, left lower flank.	Scorched or singed	1	3	Powerblock	637400, 3937963	NA
2018_044_ISEGS	Rufous Hummingbird	RUHU	Carcass Survey	4/12/2018	4/12/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Whole carcass. Evidence of curling to primaries and retrices, singe to top of head, left side of face, left breast and flank, right flank.	Scorched or singed	1	1	ACC Building	640364, 3933523	NA
2018_045_ISEGS	Tree Swallow	TRES	Carcass Survey	4/12/2018	4/12/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Whole carcass. Evidence of curling to all major flight feathers, singe to head, back, rump, left upper breast down to flank.	Scorched or singed	2	1	ACC Building	640363, 3933523	NA
2018_046_ISEGS	Northern Rough-winged Swallow	NRWS	Incidental	4/16/2018	4/16/2018	Broken up	2 days	Broken up carcass consisting of a partial right wing. No evidence of collision or singe.	Unknown		2	Powerblock	638663, 3935854	NA
2018_047_ISEGS	Unknown Hummingbird	UNHU	Incidental	4/20/2018	4/23/2018	Broken up	3-6 days	Broken up carcass consisting of hummingbird skeleton with detached head, 100 body feathers. Evidence of curling to tips of flight feathers, singe to tips of body feathers.	Scorched or singed	Unk	2	Powerblock	638718, 3935856	NA
2018_048_ISEGS	Yellow-rumped Warbler	YRWA	Incidental	4/23/2018	4/23/2018	Dead, fresh (eyes moist)	0-8 hours	Whole carcass. Evidence of curling to flight feathers in right wing and rectrices, singe to head, neck, chest, back, and rump.	Scorched or singed	2	2	Powerblock	638585, 3935806	NA
2018_049_ISEGS	Yellow-rumped Warbler	YRWA	Incidental	4/23/2018	4/23/2018	Dead, fresh (eyes moist)	0-8 hours	Whole carcass. Evidence of singe to right side of face, back of head, and nape.	Scorched or singed	3	2	Powerblock	638654, 3935931	NA

2018_050_ISEGS	Blue-Gray Gnatcatcher	BGGN	Carcass Survey	4/23/2018	4/23/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Whole carcass. No evidence of collision or singe.	Unknown	3	Heliostat	637437, 3937762	NA
2018_051_ISEGS	Northern Rough-winged Swallow	NRWS	Incidental	4/23/2018	4/23/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	2 days	Whole carcass. Evidence of curling to all major flight feathers in wings and tail, singe to sides of face and top of head, breast, and rump.	Scorched or singed	2	2 Powerblock	638682, 3935875	NA
2018_052_ISEGS	Mourning Dove	MODO	Carcass Survey	4/23/2018	4/23/2018	Broken up	2 days	Broken up carcass consisting of left and right legs, partial right wing, 11 retrices, 12 secondaries, 7 primaries, and 300 body feathers. No evidence of collision or singe.	Unknown	3	Heliostat	637254, 3937930	NA
2018_053_ISEGS	Yellow-rumped Warbler	YRWA	Incidental	4/23/2018	4/23/2018	Dead, fresh (eyes moist)	0-8 hours	Whole carcass. Evidence of curling to all major flight feathers in wing and tail, singe to head, chest, and throat.	Scorched or singed	2	2 Powerblock	638618, 3935894	NA
2018_054_ISEGS	Yellow-rumped Warbler	YRWA	Incidental	4/23/2018	4/23/2018	Dead, fresh (eyes moist)	0-8 hours	Whole carcass. Evidence of curling to left wing and retrices.	Scorched or singed	2	2 Powerblock	638618, 3935868	NA
2018_055_ISEGS	House Finch	HOFI	Incidental	4/23/2018	4/23/2018	Dead, fresh (eyes moist)	0-8 hours	Whole carcass. Evidence of curling to all major flight feathers in right wing and tail, singe to top of head, breast, wing coverts, and rump.	Scorched or singed	2	2 Powerblock	638605, 3935814	NA
2018_056_ISEGS	Ruby-crowned Kinglet	RCKI	Carcass Survey	4/23/2018	4/23/2018	Dead, fresh (eyes moist)	0-8 hours	Whole carcass. Evidence of curling to retrices, singe to head, nape, and back.	Scorched or singed	1	3 Heliostat	637451, 3938088	NA
2018_057_ISEGS	Yellow-rumped Warbler	YRWA	Incidental	4/24/2018	4/24/2018	Dead, fresh (eyes moist)	0-8 hours	Whole carcass. Evidence of curling to all major flight feathers, singe to top of head, nape, back, breast, and axillaries.	Scorched or singed	2	2 Powerblock	638634, 3935884	NA
2018_058_ISEGS	Wilson's Warbler	WIWA	Incidental	4/24/2018	4/24/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	2 days	Whole carcass. Evidence of curling to all major flight feathers with majority singed off, singe to all of upper parts.	Scorched or singed	2	2 Powerblock	638621, 3935856	NA
2018_059_ISEGS	Yellow-rumped Warbler	YRWA	Incidental	4/24/2018	4/24/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Whole carcass. Evidence of curling to all flight feathers with many singed off, singe to head, nape, back, breast, and rump.	Scorched or singed	2	2 Powerblock	638583, 3935875	NA
2018_060_ISEGS	Tree Swallow	TRES	Carcass Survey	4/24/2018	4/24/2018	Dead, fresh (eyes moist)	8-24 hours	Whole carcass. Evidence of curling to coverts on both wings, singe to left and right side of head, rump.	Scorched or singed	1	2 Heliostat	638575, 3936050	NA
2018_061_ISEGS	Calliope Hummingbird	CAHU	Incidental	4/24/2018	4/24/2018	Dead, fresh (eyes moist)	8-24 hours	Whole carcass. Evidence of curling to both wings with retrices singed off, singe to upperparts.	Scorched or singed	2	1 Powerblock	640353, 3933535	NA

2018_062_ISEGS	Black-throated Gray Warbler	BTYW	Carcass Survey	4/24/2018	4/24/2018	Dead, fresh (eyes moist)	8-24 hours	Whole carcass. Evidence of curling to right wing and tail, singe to top of head and right side of face, nape, and right axillary.	Scorched or singed	2	1	ACC Building	640378, 3933534	NA
2018_063_ISEGS	Yellow-rumped Warbler	YRWA	Carcass Survey	4/24/2018	4/24/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Whole carcass. Evidence of curling to all flight feathers, singe to chest, flanks, and head.	Scorched or singed	2	1	ACC Building	640398, 3933532	NA
2018_064_ISEGS	American Kestrel	AMKE	Carcass Survey	4/24/2018	4/24/2018	Mummified	1 month +	Whole carcass. Evidence of curling to all flight feathers with many singed off, singe to most of body.	Scorched or singed	2	1	Powerblock	640312, 3933537	NA
2018_065_ISEGS	Yellow-rumped Warbler	YRWA	Carcass Survey	4/24/2018	4/24/2018	Broken up	2 weeks	Broken up carcass consisting of body with exception of head and left wing. Evidence of curling to tail, singe to breast and stomach.	Scorched or singed	Unk	1	Powerblock	640435, 3933500	NA
2018_066_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	4/24/2018	4/24/2018	Feather spot	2 weeks	Feather spot size small consisting of 2 primaries and 1 retrix. Evidence of curling to both primaries.	Scorched or singed	1	1	Powerblock	640367, 3933503	NA
2018_067_ISEGS	Wilson's Warbler	WIWA	Carcass Survey	4/24/2018	4/24/2018	Dead, fresh (eyes moist)	8-24 hours	Whole carcass. Evidence of curling to all flight feathers with most singed off, singe to head, nape, and rump.	Scorched or singed	Unk	3	Powerblock	637449, 3937885	NA
2018_068_ISEGS	Calliope Hummingbird	CAHU	Carcass Survey	4/24/2018	4/24/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	8-24 hours	Whole carcass. Singe to nape, back, rump, left and right flanks, and tail.	Scorched or singed	1	3	ACC Building	637518, 3937945	NA
2018_069_ISEGS	Calliope Hummingbird	CAHU	Carcass Survey	4/24/2018	4/24/2018	Dead, fresh (eyes moist)	0-8 hours	Whole carcass. Evidence of singe to top of head and right side of face.	Scorched or singed	3	2	Powerblock	638556, 3935862	NA
2018_070_ISEGS	Orange-crowned Warbler	OCWA	Carcass Survey	4/24/2018	4/24/2018	Dead, fresh (eyes moist)	0-8 hours	Whole carcass. No evidence of collision or singe.	Unknown		2	Powerblock	638664, 3935863	NA
2018_071_ISEGS	Black-chinned Hummingbird	BCHU	Carcass Survey	4/24/2018	4/24/2018	Dead, fresh (eyes moist)	8-24 hours	Whole carcass. Evidence of curling to retrices, singe to several primaries and secondaries, singe to right side of face, flank, axillary, and to back.	Scorched or singed	2	2	ACC Building	638629, 3935922	NA
2018_072_ISEGS	Yellow-rumped Warbler	YRWA	Carcass Survey	4/24/2018	4/24/2018	Dead, fresh (eyes moist)	0-8 hours	Whole carcass. Evidence of curling to all flight feathers in wing and tail, singe to back, nape, and top of head.	Scorched or singed	2	2	Powerblock	638631, 3935920	NA
2018_073_ISEGS	Unknown Hummingbird	UNHU	Carcass Survey	4/24/2018	4/24/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	2 days	Whole carcass. Evidence of singe to top pf head and left side of face, belly and breast, right flank with all rects and majority of wing flight feathers singed off.	Scorched or singed	2	2	Powerblock	638722, 3935891	NA

2018_074_ISEGS	Calliope Hummingbird	CAHU	Incidental	4/25/2018	4/25/2018	Dead, fresh (eyes moist)	0-8 hours	Whole carcass. Evidence of singe to all major parts of body except undertail coverts and sides of throat with all major flight feathers singed off.	Scorched or singed	2	3	Powerblock	637439, 3937952	NA
2018_075_ISEGS	Rufous Hummingbird	RUHU	Incidental	4/25/2018	4/25/2018	Dead, fresh (eyes moist)	0-8 hours	Whole carcass. Evidence of singe to right side of face, throat, axillary, and flank, curling to rectx.	Scorched or singed	1	3	Powerblock	637447, 3937952	NA
2018_076_ISEGS	Rock Pigeon	ROPI	Carcass Survey	4/25/2018	4/25/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Whole carcass. Evidence of collision with heliostat with imprint found matching size and shape of species.	Collision with solar panel/heliostat		1	Heliostat	640481, 3933405	NA
2018_077_ISEGS	Unknown Hummingbird	UNHU	Incidental	4/25/2018	4/25/2018	Dead, fresh (eyes moist)	0-8 hours	Whole carcass. Evidence of curling to tail, singe to right side of face and flank.	Scorched or singed	1	2	Powerblock	638614, 3935872	NA
2018_078_ISEGS	Calliope Hummingbird	CAHU	Incidental	4/26/2018	4/26/2018	Dead, fresh (eyes moist)	0-8 hours	Whole carcass. Evidence of curling to base of retrices, singe to back, rump, nape, and left side of face.	Scorched or singed	1	1	Powerblock	640332, 3933467	NA
2018_079_ISEGS	Calliope Hummingbird	CAHU	Incidental	4/26/2018	4/26/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	0-8 hours	Whole carcass. No evidence of collision or singe.	Unknown		2	Powerblock	638686, 3935835	NA
2018_080_ISEGS	Unknown Duck	UNDU	Carcass Survey	4/26/2018	4/26/2018	Broken up	1 month +	Broken up carcass consisting of 50 contour feathers attached to piece of dried flesh. No evidence of collision or singe.	Unknown		1	Heliostat	640373, 3933648	NA
2018_081_ISEGS	Yellow-rumped Warbler	YRWA	Carcass Survey	4/26/2018	4/26/2018	Dead, fresh (eyes moist)	8-24 hours	Whole carcass. Evidence of singe to top of head, upper breast, right lesser coverts, right side of face.	Scorched or singed	1	1	Heliostat	640552, 3933577	NA
2018_082_ISEGS	Yellow-rumped Warbler	YRWA	Incidental	4/26/2018	4/26/2018	Dead, fresh (eyes moist)	0-8 hours	Whole carcass. Evidence of curling to all major flight feathers in wings and tail, singe to right side of face, top of head, upper breast, both axillaries.	Scorched or singed	2	2	Powerblock	638593, 3935812	NA
2018_083_ISEGS	Calliope Hummingbird	CAHU	Incidental	4/26/2018	4/26/2018	Dead, fresh (eyes moist)	0-8 hours	Whole carcass. Evidence of curling to some retrices, singe to back, rump, nape, and right side of face.	Scorched or singed	1	2	Powerblock	638590, 3935806	NA
2018_084_ISEGS	Lesser Nighthawk	LENI	Incidental	4/28/2018	4/28/2018	Alive, injured	0-8 hours	Whole carcass. Evidence of collision by report of removing bird from car area after collision. Later died .	Collision with solar panel/heliostat		2	Project Structure	638987, 3934770	NA
2018_085_ISEGS	Wilson's Warbler	WIWA	Incidental	4/28/2018	4/30/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Whole carcass. Evidence of curling to primary coverts.	Scorched or singed	1	2	Powerblock	638682, 3935811	NA

2018_086_ISEGS	Wilson's Warbler	WIWA	Incidental	4/28/2018	4/30/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Whole carcass. Evidence of curling to all flight feathers, singe to head and nape.	Scorched or singed	2	2	Powerblock	638644, 3935809	NA
2018_087_ISEGS	Wilson's Warbler	WIWA	Incidental	4/28/2018	4/30/2018	Dead, fresh (eyes moist)	8-24 hours	Whole carcass. Evidence of curling to all flight feathers, singe to rump and nape.	Scorched or singed	2	2	Powerblock	638575, 3935812	NA
2018_088_ISEGS	Townsend's Warbler	TOWA	Incidental	4/29/2018	4/30/2018	Dead, fresh (eyes moist)	8-24 hours	Whole carcass. Evidence of curling to central rects, singe to head, upper breast, and part of throat.	Scorched or singed	1	2	Powerblock	638577, 3935869	NA
2018_089_ISEGS	Chipping Sparrow	CHSP	Incidental	4/29/2018	4/30/2018	Dead, fresh (eyes moist)	8-24 hours	Whole carcass. Evidence of curling to all flight feathers, singe to top pf head, nape, wing coverts, left side of face.	Scorched or singed	2	3	Powerblock	637394, 3937931	NA
2018_090_ISEGS	Violet-green Swallow	VGSW	Incidental	4/30/2018	4/30/2018	Dead, fresh (eyes moist)	8-24 hours	Whole carcass. Evidence of curling to wings, singe to left side of face.	Scorched or singed	2	3	Powerblock	637508, 3937911	NA
2018_091_ISEGS	Unknown Hummingbird	UNHU	Incidental	4/30/2018	4/30/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Whole carcass. Evidence of curling all flight feathers, singe to all body feathers.	Scorched or singed	2	3	Powerblock	637455, 3937885	NA
2018_092_ISEGS	Calliope Hummingbird	CAHU	Incidental	5/5/2018	5/7/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Whole carcass. Evidence of curling all flight feathers, singe to all upper parts.	Scorched or singed	2	2	Powerblock	638563, 3935817	NA
2018_093_ISEGS	Unknown Hummingbird	UNHU	Carcass Survey	5/7/2018	5/7/2018	Broken up	3-6 days	Broken up carcass consisting of left and right partial wings. Evidence of singe on covert feathers.	Scorched or singed	Unk	3	Heliostat	637436, 3937710	NA
2018_094_ISEGS	Unknown Warbler	UNWA	Carcass Survey	5/7/2018	5/7/2018	Broken up	3-6 days	Broken up carcass consisting of piece of wing, partial right wing, body cavity missing head. No evidence of collision or singe.	Unknown		3	Heliostat	637410, 3937750	NA
2018_095_ISEGS	Mourning Dove	MODO	Carcass Survey	5/7/2018	5/7/2018	Broken up	3-6 days	Broken up carcass consisting of piece of partial left wing, 7 retrices, 7 flight feathers, and 150 body feathers. Evidence of collision with imprint matching size and shape of species.	Collision with solar panel/heliostat		3	Heliostat	637259, 3937912	NA
2018_096_ISEGS	Rufous Hummingbird	RUHU	Carcass Survey	5/7/2018	5/7/2018	Broken up	3-6 days	Broken up carcass consisting of whole carcass but detached head and wings. Evidence of singe on retrices.	Scorched or singed	1	3	Heliostat	637657, 3938075	NA
2018_097_ISEGS	Unknown Small Bird	UNID	Carcass Survey	5/7/2018	5/7/2018	Broken up	3-6 days	Broken up carcass consisting of partial left and right wings. No evidence of collision or singe.	Unknown		3	Heliostat	637466, 3938137	NA

2018_098_ISEGS	Wilson's Warbler	WIWA	Carcass Survey	5/7/2018	5/7/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	2 days	Whole carcass. No evidence of collision or singe.	Unknown	3	Heliostat	637545, 3937767	NA
2018_099_ISEGS	Calliope Hummingbird	CAHU	Incidental	5/7/2018	5/7/2018	Dead, fresh (eyes moist)	0-8 hours	Whole carcass. Evidence of singe on throat.	Scorched or singed	1	2 Powerblock	638656, 3935839	NA
2018_100_ISEGS	Vaux's swift	VASW	Incidental	5/7/2018	5/7/2017	Dead, fresh (eyes moist)	0-8 hours	Whole carcass. Evidence of curling to primaries and secondaries, singe to head and flanks.	Scorched or singed	2	1 Powerblock	640373, 3933487	NA
2018_101_ISEGS	Wilson's Warbler	WIWA	Carcass Survey	5/8/2018	5/8/2018	Dead, fresh (eyes moist)	8-24 hours	Whole carcass. Evidence of singe on top of head.	Scorched or singed	3	2 Heliostat	638570, 3935636	NA
2018_102_ISEGS	House Finch	HOFI	Carcass Survey	5/8/2018	5/8/2018	Dead, fresh (eyes moist)	8-24 hours	Whole carcass. Evidence of curling to end of rects, left side of face, left flank, left side of rump.	Scorched or singed	1	2 Heliostat	638612, 3935705	NA
2018_103_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	5/8/2018	5/8/2018	Broken up	3-6 days	Broken up piece of wing consisting of 2 secondaries and several coverts attached by dried skin. No evidence of collision or singe.	Unknown	2	Heliostat	638521, 3935717	NA
2018_104_ISEGS	Townsend's Warbler	TOWA	Carcass Survey	5/8/2018	5/8/2018	Dead, fresh (eyes moist)	0-8 hours	Whole carcass. Evidence of curling to secondaries in right wing, singe to right upper flank, right axillary, and top of head.	Scorched or singed	1	2 Heliostat	638648, 3936006	NA
2018_105_ISEGS	Yellow-rumped Warbler	YRWA	Carcass Survey	5/8/2018	5/8/2018	Broken up	3-6 days	Broken up carcass consisting of right wing. No evidence of collision or singe.	Unknown	2	Heliostat	638796, 3935985	NA
2018_106_ISEGS	Mourning Dove	MODO	Carcass Survey	5/9/2018	5/9/2018	Feather spot	3-6 days	Feather spot size large consisting of 5 primaries, 5 secondaries, and 100 contour feathers. No evidence of collision or singe.	Unknown	1	Heliostat	640245, 3933328	NA
2018_107_ISEGS	Wilson's Warbler	WIWA	Incidental	5/9/2018	5/9/2018	Dead, fresh (eyes moist)	0-8 hours	Whole carcass. Evidence of curling to all major flight feathers , singe to coverts, top of head, right side of face and axillary.	Scorched or singed	2	3 Powerblock	637475, 3937875	NA
2018_108_ISEGS	Wilson's Warbler	WIWA	Incidental	5/9/2018	5/9/2018	Dead, fresh (eyes moist)	NA	Whole carcass. Evidence of curling to all major flight feathers with majority singed off, singe to top of head, nape, left side of face and rump.	Scorched or singed	2	3 Powerblock	637461, 3937884	NA
2018_109_ISEGS	Mourning Dove	MODO	Incidental	5/9/2018	5/10/2018	Broken up	3-6 days	Broken up carcass consisting of 2 wings attached together by keel and dried skin. No evidence of collision or singe.	Unknown	3	Powerblock	637546, 3937889	NA
2018_110_ISEGS	Calliope Hummingbird	CAHU	Carcass Survey	5/10/2018	5/10/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Whole carcass. Evidence of singe to top of head, back, rump, left flank, with tail singed off.	Scorched or singed	1	3 ACC Building	637515, 3937958	NA

2018_111_ISEGS	Calliope Hummingbird	CAHU	Carcass Survey	5/10/2018	5/10/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	2 days	Whole carcass. Evidence of singe to left side of face, left flank, curling to retrices and some primaries.	Scorched or singed	1	3	ACC Building	637484, 3937959	NA
2018_112_ISEGS	Calliope Hummingbird	CAHU	Carcass Survey	5/10/2018	5/10/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	2 days	Whole carcass. Evidence of singe to rump.	Scorched or singed	3	3	ACC Building	637460, 3937971	NA
2018_113_ISEGS	Calliope Hummingbird	CAHU	Carcass Survey	5/10/2018	5/10/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Whole carcass. Evidence of curling to all major flight feathers, singe to left flanks, top of head, back, rump.	Scorched or singed	2	3	ACC Building	637455, 3937972	NA
2018_114_ISEGS	Lazuli Bunting	LAZB	Carcass Survey	5/10/2018	5/10/2018	Broken up	2 days	Broken up carcass consisting of partial pieces of both wings, detached upper torso with head, lower torso with tail, detached leg. Evidence of singe to forehead and top of head.	Scorched or singed	3	3	Powerblock	637486, 3937977	NA
2018_115_ISEGS	Yellow-rumped Warbler	YRWA	Carcass Survey	5/10/2018	5/10/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Whole carcass. Evidence of curling to all flight feathers, singe to upper breast, head, back, nape, and flanks.	Scorched or singed	2	3	Powerblock	637408, 3937952	NA
2018_116_ISEGS	Unknown Hummingbird	UNHU	Carcass Survey	5/10/2018	5/10/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Whole carcass. Evidence of curling to some primaries, singe to breast, left side of face, rump with most of tail singed off.	Scorched or singed	2	3	Powerblock	637456, 3937934	NA
2018_117_ISEGS	Wilson's Warbler	WIWA	Carcass Survey	5/10/2018	5/10/2018	Dead, fresh (eyes moist)	8-24 hours	Whole carcass. Evidence of singe to top of head.	Scorched or singed	3	3	Powerblock	637461, 3937932	NA
2018_118_ISEGS	Unknown Warbler	UNWA	Carcass Survey	5/10/2018	5/10/2018	Broken up	1 month +	Broken up carcass consisting of detached head, body cavity intact. Evidence of curling to all flight feathers, singe to coverts and back.	Scorched or singed	2	3	Powerblock	637458, 3937936	NA
2018_119_ISEGS	Orange-crowned Warbler	OCWA	Carcass Survey	5/10/2018	5/10/2018	Broken up	2 weeks	Broken up consisting of multiple parts detached from each other but with all parts to carcass present. Evidence of curling to retrices, singe to top of head.	Scorched or singed	1	3	Powerblock	637388, 3937942	NA
2018_120_ISEGS	Wilson's Warbler	WIWA	Carcass Survey	5/10/2018	5/10/2018	Dead, fresh (eyes moist)	8-24 hours	Whole carcass. Evidence of singe to lower flank.	Scorched or singed	3	3	Powerblock	637460, 3937928	NA
2018_121_ISEGS	Western Wood-Pewee	WEWP	Carcass Survey	5/10/2018	5/10/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	2 days	Whole carcass. Evidence of curling to flight feathers in left wing and retrices, singe to head and breast.	Scorched or singed	1	3	Powerblock	637479, 3937929	NA

2018_122_ISEGS	Wilson's Warbler	WIWA	Carcass Survey	5/10/2018	5/10/2018	Dead, fresh (eyes moist)	8-24 hours	Whole carcass. Evidence of curling to all flight feathers, singe to breast and left axillary.	Scorched or singed	2	3	Powerblock	637428, 3937870	NA
2018_123_ISEGS	Calliope Hummingbird	CAHU	Carcass Survey	5/10/2018	5/10/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	2 days	Whole carcass. Evidence of curling to secondaries, left side of carcass singed.	Scorched or singed	1	3	Powerblock	637350, 3937897	NA
2018_124_ISEGS	Unknown Warbler	UNWA	Carcass Survey	5/10/2018	5/10/2018	Broken up	3-6 days	Broken up carcass consisting of partial piece of wing, 2 secondaries, clump of back feathers, and 30 contour feathers. Evidence of singe to several contour feathers.	Scorched or singed	3	3	Powerblock	637324, 3937902	NA
2018_125_ISEGS	Mourning Dove	MODO	Carcass Survey	5/10/2018	5/10/2018	Broken up	3-6 days	Broken up carcass consisting of partial right wing, 1 retrix, and 30 body feathers. No evidence of collision or singe.	Unknown		3	Powerblock	637315, 3937942	NA
2018_126_ISEGS	Yellow Warbler	YWAR	Carcass Survey	5/10/2018	5/10/2018	Broken up	3-6 days	Broken up carcass consisting or partial right wing, secondaries with skin attached. Evidence of curling to secondaries.	Scorched or singed	Unk	1	Powerblock	640293, 3933531	NA
2018_127_ISEGS	Lazuli Bunting	LAZB	Carcass Survey	5/10/2018	5/10/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Whole carcass. Evidence of curling to tail and left wing, singe to nape, head, back, and rump.	Scorched or singed	1	1	ACC Building	640382, 3933523	NA
2018_128_ISEGS	Lazuli Bunting	LAZB	Carcass Survey	5/10/2018	5/10/2018	Dead, fresh (eyes moist)	0-8 hours	Whole carcass. Evidence of curling to all flight feathers, singe to breast, head, back, and rump.	Scorched or singed	2	1	ACC Building	640361, 3933535	NA
2018_129_ISEGS	Wilson's Warbler	WIWA	Carcass Survey	5/10/2018	5/10/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Whole carcass. No evidence of collision or singe.	Unknown		1	Powerblock	640423, 3933550	NA
2018_130_ISEGS	Wilson's Warbler	WIWA	Incidental	5/10/2018	5/10/2018	Dead, fresh (eyes moist)	0-8 hours	Whole carcass. Evidence of curling to all flight feathers.	Scorched or singed	2	1	ACC Building	640410, 3933523	NA
2018_131_ISEGS	Wilson's Warbler	WIWA	Carcass Survey	5/10/2018	5/10/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Whole carcass. Evidence of curling to right wing and retrices, singe to head.	Scorched or singed	2	2	Powerblock	638624, 3935865	NA
2018_132_ISEGS	Wilson's Warbler	WIWA	Carcass Survey	5/10/2018	5/10/2018	Dead, fresh (eyes moist)	0-8 hours	Whole carcass. Evidence of curling to left flight feathers and retrices, singe to left side of face.	Scorched or singed	2	2	Powerblock	638639, 3935892	NA
2018_133_ISEGS	Wilson's Warbler	WIWA	Carcass Survey	5/10/2018	5/10/2018	Dead, fresh (eyes moist)	8-24 hours	Whole carcass. Evidence of singe to top of head.	Scorched or singed	Unk	2	Powerblock	638568, 3935898	NA

2018_134_ISEGS	Orange-crowned Warbler	OCWA	Carcass Survey	5/10/2018	5/10/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Whole carcass. Evidence of curling to all flight feathers. Singe on head, nape, throat, and chest.	Scorched or singed	2	2	ACC Building	638632, 3935909	NA
2018_135_ISEGS	Lesser Goldfinch	LEGO	Carcass Survey	5/10/2018	5/10/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Whole carcass. Evidence of curling to wings and tail, singe to head and coverts.	Scorched or singed	1	2	ACC Building	638654, 3935897	NA
2018_136_ISEGS	Rufous Hummingbird	RUHU	Carcass Survey	5/10/2018	5/10/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Whole carcass. Evidence of curling to tail feathers, singe to face and rump.	Scorched or singed	1	2	ACC Building	638657, 3935896	NA
2018_137_ISEGS	Unidentified Hummingbird	UNHU	Carcass Survey	5/10/2018	5/10/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Whole carcass. Evidence of curling to primaries in right wing, singe to both sides of face, crown, nape, back, and rump.	Scorched or singed	1	2	ACC Building	638677, 3935897	NA
2018_138_ISEGS	Calliope Hummingbird	CAHU	Carcass Survey	5/10/2018	5/10/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	2 days	Whole carcass. Evidence of curling to all flight feathers, singe to head, breast, nape, back, and rump.	Scorched or singed	2	2	Powerblock	638649, 3935873	NA
2018_139_ISEGS	Unknown Warbler	UNWA	Carcass Survey	5/10/2018	5/10/2018	Broken up	3-6 days	Broken up carcass. Evidence of curling to flight feathers and singe to contour feathers.	Scorched or singed	1	1	Powerblock	640365, 3933479	NA
2018_140_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	5/10/2018	5/10/2018	Feather spot	3-6 days	Feather spots size small. Evidence of curling to all flight feathers, singe to contour feathers.	Scorched or singed	1	2	Powerblock	638623, 3935851	NA
2018_141_ISEGS	Unknown Oriole	UNOR	Carcass Survey	5/10/2018	5/10/2018	Feather spot	3-6 days	Feather spot size small. Evidence of curling to all flight feathers, singe to several contour feathers.	Scorched or singed	1	1	Powerblock	640395, 3933473	NA
2018_142_ISEGS	Black-Headed Grosbeak	BHGR	Incidental	5/15/2018	5/16/2018	Alive, injured	8-24 hours	Alive, alert bird. Evidence of curling to all major flight feathers, singe to body.	Scorched or singed	2	3	Powerblock	637446, 3937899	NA
2018_143_ISEGS	American Avocet	AMAV	Incidental	5/16/2018	5/16/2018	Broken up	2 weeks	Broken up carcass consisting of 2 wings with humerus and dried flesh attached. No evidence of collision or singe.	Unknown		1	Perimeter Fence	639450, 3934505	NA
2018_144_ISEGS	Peregrine Falcon	PEFA	Incidental	5/16/2018	5/16/2018	Alive, injured	8-24 hours	Evidence of singe to all major flight feathers in wing and tail, back and wing coverts.	Scorched or singed	2	2	Heliostat	639677, 3935487	NA
2018_145_ISEGS	Wilson's Warbler	WIWA	Incidental	5/16/2018	5/17/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Whole carcass. Evidence of curling to all flight feathers in wings and tail, singe to top of head, back, and upper breast.	Scorched or singed	2	2	Powerblock	638640, 3935883	NA

2018_146_ISEGS	Lazuli Bunting	LAZB	Incidental	5/14/2018	5/14/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	2 days	Whole carcass. Evidence of curling to all flight feathers, singe to top of head, nape, and rump.	Scorched or singed	2	3	Powerblock	637464, 3937879	NA
2018_147_ISEGS	Black-throated Gray Warbler	BTYW	Incidental	5/14/2018	5/14/2018	Dead, fresh (eyes moist)	8-24 hours	Whole carcass. Evidence of singe to tip of tail.	Scorched or singed	1	2	Powerblock	638664, 3935868	NA
2018_148_ISEGS	Unknown Hummingbird	UNHU	Incidental	5/11/2018	5/14/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	2 days	Evidence of singe to primaries and rectrices.	Scorched or singed	1	3	Powerblock	637461, 3937903	NA
2018_149_ISEGS	Wilson's Warbler	WIWA	Carcass Survey	5/22/2018	5/22/2018	Dead, fresh (eyes moist)	8-24 hours	Evidence of curling to all flight feathers, singe to top of head and left side of face.	Scorched or singed	2	2	ACC Building	638678, 3935897	NA
2018_150_ISEGS	Calliope Hummingbird	CAHU	Carcass Survey	5/22/2018	5/22/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	2 days	Evidence of curling to tail feathers.	Scorched or singed	1	2	ACC Building	638633, 3935898	NA
2018_151_ISEGS	Yellow Warbler	YWAR	Carcass Survey	5/22/2018	5/22/2018	Dead, fresh (eyes moist)	0-8 hours	Evidence of singe to nape and right wing coverts.	Scorched or singed	3	2	ACC Building	638642, 3935923	NA
2018_152_ISEGS	Townsend's Warbler	TOWA	Carcass Survey	5/22/2018	5/22/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	2 days	No evidence of collision or singe.	Unknown		2	Powerblock	638568, 3935898	NA
2018_153_ISEGS	Barn Swallow	BARS	Carcass Survey	5/22/2018	5/22/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	2 days	Evidence of curling to primaries and rects.	Scorched or singed	1	2	Powerblock	638558, 3935890	NA
2018_154_ISEGS	Northern Rough-winged Swallow	NRWS	Carcass Survey	5/22/2018	5/22/2018	Broken up	2 weeks	No evidence of collision or singe.	Unknown		2	Powerblock	638595, 3935913	NA
2018_155_ISEGS	Barn Swallow	BARS	Carcass Survey	5/22/2018	5/22/2018	Feather spot	3-6 days	Evidence of curling to primaries and secondaries.	Scorched or singed	1	2	Powerblock	638629, 3935898	NA
2018_156_ISEGS	Wilson's Warbler	WIWA	Carcass Survey	5/22/2018	5/22/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	2 days	No evidence of collision or singe.	Unknown		2	Powerblock	638644, 3935904	NA
2018_157_ISEGS	Unknown Warbler	UNWA	Carcass Survey	5/22/2018	5/22/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Evidence of singe to every part of body with flight feathers singed off.	Scorched or singed	2	2	Powerblock	638637, 3935871	NA
2018_158_ISEGS	Calliope Hummingbird	CAHU	Carcass Survey	5/22/2018	5/22/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	2 days	Evidence of singe to every part of body with flight feathers singed off.	Scorched or singed	2	1	Powerblock	640356, 3933512	NA

2018_159_ISEGS	Wilson's Warbler	WIWA	Carcass Survey	5/22/2018	5/22/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Evidence of curling to all flight feathers, singe to most of upperparts.	Scorched or singed	Unk	1	ACC Building	640412, 3933536	NA
2018_160_ISEGS	Yellow Warbler	YWAR	Carcass Survey	5/22/2018	5/22/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Evidence of singe to left side of face.	Scorched or singed	3	1	ACC Building	640382, 3933562	NA
2018_161_ISEGS	Yellow-rumped Warbler	YRWA	Carcass Survey	5/22/2018	5/22/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Evidence of singe to head.	Scorched or singed	3	1	ACC Building	640409, 3933549	NA
2018_162_ISEGS	Vaux's swift	VASW	Carcass Survey	5/22/2018	5/22/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Evidence of curling to flight feathers.	Scorched or singed	2	1	Powerblock	640373, 3933487	NA
2018_163_ISEGS	Yellow-rumped Warbler	YRWA	Carcass Survey	5/22/2018	5/22/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Evidence of singe to tail and head.	Scorched or singed	1	2	ACC Building	638684, 3935885	NA
2018_164_ISEGS	White-throated Swift	WTSW	Carcass Survey	5/22/2018	5/22/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Evidence of curling to all flight feathers.	Scorched or singed	2	2	ACC Building	638636, 3935885	NA
2018_165_ISEGS	Mourning Dove	MODO	Carcass Survey	5/22/2018	5/22/2018	Broken up	2 weeks	Evidence of collision with heliostat with imprint matching size and shape of species.	Collision with solar panel/heliostat		3	Heliostat	637334, 3938057	NA
2018_166_ISEGS	Unknown Warbler	UNWA	Carcass Survey	5/22/2018	5/22/2018	Broken up	2 weeks	Evidence of singe to coverts.	Scorched or singed	3	3	Powerblock	637440, 3937929	NA
2018_167_ISEGS	Wilson's Warbler	WIWA	Carcass Survey	5/22/2018	5/22/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Evidence of curling to all flight feathers.	Scorched or singed	2	3	ACC Building	637456, 3937946	NA
2018_168_ISEGS	Yellow Warbler	YWAR	Carcass Survey	5/22/2018	5/22/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Evidence of curling to all flight feathers.	Scorched or singed	2	3	ACC Building	637483, 3937971	NA
2018_169_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	5/24/2018	5/24/2018	Feather spot	3-6 days	No evidence of collision or singe.	Unknown		1	Heliostat	640561, 3933449	NA
2018_170_ISEGS	Mourning Dove	MODO	Carcass Survey	5/24/2018	5/24/2018	Feather spot	3-6 days	No evidence of collision or singe.	Unknown		1	Heliostat	640226, 3933656	NA

2018_171_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	5/22/2018	5/22/2018	Broken up	3-6 days	Evidence of singe to contour feathers.	Scorched or singed	3	2	Powerblock	638629, 3935898	NA
2018_172_ISEGS	Yellow Warbler	YWAR	Incidental	5/24/2018	5/25/2018	Dead, fresh (eyes moist)	8-24 hours	Evidence of curling to left wing and tail, singe top head and left side of face.	Scorched or singed	1	2	Powerblock	638660, 3935845	NA
2018_173_ISEGS	Greater Roadrunner	GRRO	Incidental	6/5/2018	6/5/2018	Feather spot	2 days	No evidence of collision or singe.	Unknown		1	Unit Perimeter Fence	639347, 3932835	NA
2018_174_ISEGS	American Kestrel	AMKE	Carcass Survey	6/6/2018	6/6/2018	Feather spot	2 days	Evidence of singe on several secondaries.	Scorched or singed	1	2	Heliostat	638858, 3935879	NA
2018_175_ISEGS	White-throated Swift	WTSW	Carcass Survey	6/7/2018	6/7/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	2 days	Evidence of curling to all flight feathers, singe to all of dorsal side and axillaries.	Scorched or singed	2	1	ACC Building	640358, 3933524	NA
2018_176_ISEGS	Unknown Hummingbird	UNHU	Carcass Survey	6/7/2018	6/7/2018	Dead, fresh (eyes moist)	8-24 hours	Evidence of singe to all parts of body except white undertail coverts with all flight feathers singed off.	Scorched or singed	2	3	Powerblock	637447, 3937956	NA
2018_177_ISEGS	Varied Thrush	VATH	Carcass Survey	6/7/2018	6/7/2018	Dead, fresh (eyes moist)	0-8 hours	No evidence of collision or singe.	Unknown		3	Powerblock	637521, 3937915	NA
2018_178_ISEGS	Nashville Warbler	NAWA	Carcass Survey	6/7/2018	6/7/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	2 days	Evidence of curling to most of flight feathers, singe to top of head.	Scorched or singed	2	2	Powerblock	638628, 3935857	NA
2018_179_ISEGS	Wilson's Warbler	WIWA	Carcass Survey	6/7/2018	6/7/2018	Dead, fresh (eyes moist)	8-24 hours	Evidence of curling to all flight feathers, singe to nape and top of head.	Scorched or singed	2	2	ACC Building	638651, 3935885	NA
2018_180_ISEGS	Unknown Hummingbird	UNHU	Incidental	6/11/2018	6/11/2018	Broken up	3-6 days	Evidence of singe to most of cavity and top of head with all flight feathers singed off.	Scorched or singed	2	1	Powerblock	640338, 3933473	NA
2018_181_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	6/18/2018	6/18/2018	Feather spot	3-6 days	No evidence of collision or singe.	Unknown		2	Powerblock	638638, 3935874	NA
2018_182_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	6/18/2018	6/18/2018	Mummified	1 month +	Evidence of singe to all of carcass parts with flight feathers singed off.	Scorched or singed	2	3	ACC Building	637480, 3937945	NA
2018_183_ISEGS	Lazuli Bunting	LAZB	Carcass Survey	6/18/2018	6/18/2018	Broken up	2 weeks	No evidence of collision or singe.	Unknown		3	Powerblock	637468, 3937916	NA
2018_184_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	6/18/2018	6/18/2018	Feather spot	2 weeks	Evidence of singe to tip of contour feathers, curling to flight feather.	Scorched or singed	1	3	Powerblock	637486, 3937933	NA
2018_185_ISEGS	Black-tailed Gnatcatcher	BTGN	Carcass Survey	6/18/2018	6/18/2018	Dead, fresh (eyes moist)	0-8 hours	Evidence of singe to top of head, nape, back, and left side of breast.	Scorched or singed	3	3	Powerblock	637414, 3937942	NA
2018_186_ISEGS	Verdin	VERD	Carcass Survey	6/18/2018	6/18/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	2 days	Evidence of curling to right wing, singe to top of head and back.	Scorched or singed	1	2	ACC Building	638658, 3935897	NA

2018_187_ISEGS	Anna's Hummingbird	ANHU	Carcass Survey	6/18/2018	6/18/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	2 days	Evidence of singe to left and right sides of rump.	Scorched or singed	3	2	ACC Building	638654, 3935909	NA
2018_188_ISEGS	Western Tanager	WETA	Carcass Survey	6/18/2018	6/18/2018	Feather spot	3-6 days	Evidence of singe to tips of contour feathers.	Scorched or singed	3	2	Powerblock	638639, 3935874	NA
2018_189_ISEGS	Brewer's Blackbird	BRBL	Carcass Survey	6/19/2018	6/18/2018	Feather spot	2 weeks	No evidence of collision or singe.	Unknown		3	Heliostat	637310, 3937744	NA
2018_190_ISEGS	Mourning Dove	MODO	Carcass Survey	6/19/2018	6/19/2018	Feather spot	3-6 days	No evidence of collision or singe.	Unknown		3	Heliostat	637444, 3938136	NA
2018_191_ISEGS	Unknown Gnatcatcher	UNGN	Carcass Survey	6/20/2018	6/20/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Evidence of curling to all flight feathers, singe to top of head, nape, and left flank.	Scorched or singed	2	1	ACC Building	640366, 3933523	NA
2018_192_ISEGS	Verdin	VERD	Carcass Survey	6/20/2018	6/20/2018	Dead, fresh (eyes moist)	8-24 hours	Evidence of curling to both wings, singe to coverts, back, and nape.	Scorched or singed	2	1	ACC Building	640359, 3933536	NA
2018_193_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	6/20/2018	6/20/2018	Feather spot	2 weeks	Evidence of singe to 1 primary.	Scorched or singed	1	1	Powerblock	640357, 3933487	NA
2018_194_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	6/20/2018	6/20/2018	Feather spot	3-6 days	No evidence of collision or singe.	Unknown		1	Powerblock	640432, 3933496	NA
2018_195_ISEGS	Vaux's swift	VASW	Carcass Survey	6/20/2018	6/20/2018	Feather spot	2 weeks	No evidence of collision or singe.	Unknown		1	Powerblock	640365, 3933508	NA
2018_196_ISEGS	Common Raven	CORA	Incidental	6/20/2018	6/20/2018	Alive, injured	0-8 hours	Evidence of singe to flight feathers.	Scorched or singed	2	2	Powerblock	638651, 3935911	NA
2018_197_ISEGS	Common Raven	CORA	Incidental	6/22/2018	6/22/2018	Alive, injured	0-8 hours	Evidence of singe to flight feathers.	Scorched or singed	2	3	Powerblock	637394, 3937888	NA
2018_198_ISEGS	Wilson's Warbler	WIWA	Incidental	6/25/2018	6/25/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Evidence of singe to top of head.	Scorched or singed	3	3	Powerblock	637454, 3937907	NA
2018_199_ISEGS	Cliff Swallow	CLSW	Incidental	7/2/2018	7/2/2018	Dead, fresh	8-24 hours	Evidence of singe to flight feathers, head, and nape.	Scorched or singed	1	2	Powerblock	638622, 3935933	NA
2018_200_ISEGS	Common Raven	CORA	Incidental	7/3/2018	7/3/2018	Alive, injured	8-24 hours	Alive, alert bird. Evidence of curling to all major flight feathers, singe to body.	Scorched or singed	2	1	Powerblock	640426, 3933484	NA
2018_201_ISEGS	Unidentified Hummingbird	UNHU	Carcass Survey	7/3/2018	7/3/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Evidence of singe on tail and all upperparts.	Scorched or singed	1	1	ACC Building	640372, 3933525	NA
2018_202_ISEGS	Unidentified Swallow	UNSW	Carcass Survey	7/3/2018	7/3/2018	Feather spot	3-6 days	Evidence of singe on all flight feathers	Scorched or singed	Unk	1	Powerblock	640362, 3933505	NA

2018_203_ISEGS	White-throated Swift	WTSW	Carcass Survey	7/3/2018	7/3/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Evidence of singe on flight feathers and upperparts	Scorched or singed	2	1	Powerblock	640354, 3933519	NA
2018_204_ISEGS	Lucy's Warbler	LUWA	Carcass Survey	7/4/2018	7/4/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Evidence of singe on all flight feathers, singed on head	Scorched or singed	2	2	ACC Building	638679, 3935897	NA
2018_205_ISEGS	Northern Rough-winged Swallow	NRWS	Carcass Survey	7/4/2018	7/4/2018	Dead, fresh	0-8 hours	Evidence of singe on all flight feathers, upper parts singed	Scorched or singed	2	2	Powerblock	638727, 3935914	NA
2018_206_ISEGS	Tree Swallow	TRES	Carcass Survey	7/5/2018	7/4/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	2 days	Evidence of singe on rump feathers.	Scorched or singed	Unk	2	Heliostat	638478, 3935978	NA
2018_207_ISEGS	Cliff Swallow	CLSW	Incidental	7/8/2018	7/8/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	2 days	Evidence of curling to flight feathers, singe to back, rump, and top of head.	Scorched or singed	2	3	Powerblock	637404, 3937937	NA
2018_208_ISEGS	Lesser Nighthawk	LENI	Incidental	7/9/2018	7/9/2018	Alive, injured	8-24 hours	No evidence of collision or singe.	Unknown		3	Powerblock	637475, 3937937	NA
2018_209_ISEGS	Yellow Warbler	YWAR	Incidental	7/12/2018	7/12/2018	Mummified	2 weeks	No evidence of collision or singe.	Unknown		2	Powerblock	638660, 3935845	NA
2018_210_ISEGS	Mourning Dove	MODO	Carcass Survey	7/17/2018	7/17/2018	Broken up	2 weeks	No evidence of collision or singe.	Unknown		3	Heliostat	637377, 3938092	NA
2018_211_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	7/18/2018	7/18/2018	Mummified	1 month +	Evidence of singe to most of carcass with all of flight feathers singed off.	Scorched or singed	2	2	ACC Building	638630, 3935884	NA
2018_212_ISEGS	Unidentified Sparrow	UNSP	Carcass Survey	7/18/2018	7/18/2018	Mummified	2 weeks	Evidence of singe to head, breast, rump, and back with all flight feathers singed off.	Scorched or singed	2	3	ACC Building	637473, 3937945	NA
2018_213_ISEGS	Black-Throated Sparrow	BTSP	Carcass Survey	7/18/2018	7/18/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	2 days	Evidence of curling to all flight feathers with singe to left side of face, axillary, and flank.	Scorched or singed	2	3	ACC Building	637490, 3937945	NA
2018_214_ISEGS	American Kestrel	AMKE	Carcass Survey	7/18/2018	7/18/2018	Dead, fresh	8-24 hours	Evidence of curling to all flight feathers, singe to back, head, and coverts.	Scorched or singed	2	3	Powerblock	637450, 3937884	NA
2018_215_ISEGS	Northern Rough-winged Swallow	NRWS	Carcass Survey	7/18/2018	7/18/2018	Broken up	2 weeks	Evidence of curling to several flight feathers.	Scorched or singed	1	3	Powerblock	637465, 3937930	NA
2018_216_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	7/18/2018	7/18/2018	Broken up	2 weeks	No evidence of collision or singe.	Unknown		3	Powerblock	637462, 3937934	NA
2018_217_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	7/18/2018	7/18/2018	Broken up	2 weeks	Evidence of curling to flight feathers.	Scorched or singed	1	2	Powerblock	638623, 3935838	NA

2018_218_ISEGS	Black-Throated Sparrow	BTSP	Incidental	7/20/2018	7/23/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	2 weeks	Evidence of curling to rectrices, singe to primaries, back, and breast.	Scorched or singed	1	2	Powerblock	638662, 3935854	NA
2018_219_ISEGS	Cliff Swallow	CLSW	Incidental	7/25/2018	7/25/2018	Dead, fresh	8-24 hours	Evidence of curling to all flight feathers, singe to top of head, back, and rump.	Scorched or singed	2	1	Powerblock	640312, 3933452	NA
2018_220_ISEGS	Violet-green Swallow	VGSW	Incidental	7/26/2018	7/30/2018	Dead, fresh	8-24 hours	Evidence of curling to all flight feathers, singe to nape, coverts, and upper breast.	Scorched or singed	2	2	Powerblock	638649, 3935868	NA
2018_221_ISEGS	Western Tanager	WETA	Carcass Survey	7/30/2018	7/30/2018	Feather spot	8-24 hours	No evidence of collision or singe.	Unknown		3	Heliostat	637445, 3937670	NA
2018_222_ISEGS	Red-winged Blackbird	RWBL	Carcass Survey	7/31/2018	7/31/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Evidence of singe to flight feathers and contour feathers.	Scorched or singed	2	2	ACC Building	638636, 3935883	NA
2018_223_ISEGS	Cliff Swallow	CLSW	Carcass Survey	7/31/2018	7/31/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Evidence of curling to all flight feathers.	Scorched or singed	2	2	ACC Building	638664, 3935897	NA
2018_224_ISEGS	Cliff Swallow	CLSW	Carcass Survey	7/31/2018	7/31/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Evidence of curling to left wing secondaries and tertials.	Scorched or singed	1	2	ACC Building	638654, 3935910	NA
2018_225_ISEGS	Bank Swallow	BANS	Carcass Survey	7/31/2018	7/31/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Evidence of singe to primary coverts and rump.	Scorched or singed	1	3	Powerblock	637469, 3937924	NA
2018_226_ISEGS	Yellow Warbler	YWAR	Carcass Survey	7/31/2018	7/31/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Evidence of curling to flight feathers with tail singed off, singe to head and body feathers.	Scorched or singed	3	3	Powerblock	637470, 3937926	NA
2018_227_ISEGS	Cliff Swallow	CLSW	Carcass Survey	7/31/2018	7/31/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Evidence of curling to all flight feathers, singe to coverts and top of head.	Scorched or singed	2	2	Powerblock	638730, 3935846	NA
2018_228_ISEGS	Tree Swallow	TRES	Incidental	7/31/2018	7/31/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Evidence of singe to flight feathers in wings and rectrices.	Scorched or singed	3	1	Powerblock	640355, 3933505	NA
2018_229_ISEGS	Cliff Swallow	CLSW	Carcass Survey	8/1/2018	8/1/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Evidence of singe to flight feathers.	Scorched or singed	3	1	ACC Building	640361, 3933527	NA

2018_230_ISEGS	Violet-green Swallow	VGSW	Carcass Survey	8/1/2018	8/1/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	2 days	Evidence of curling to primaries and retrices.	Scorched or singed	1	1	ACC Building	640414, 3933554	NA
2018_231_ISEGS	Unknown Swallow	UNSW	Carcass Survey	8/1/2018	8/1/2018	Broken up	2 weeks	Evidence of singe to partial wing.	Scorched or singed	Unk	1	Powerblock	640330, 3933541	NA
2018_232_ISEGS	Cliff Swallow	CLSW	Incidental	8/1/2018	8/1/2018	Dead, Semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Evidence of curling to tertials.	Scorched or singed	1	1	Powerblock	640382, 3933530	NA
2018_233_ISEGS	Verdin	VERD	Incidental	8/2/2018	8/3/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	8-24 hours	Evidence of singe on head and back feathers	Scorched or singed	1	2	Powerblock	638658, 3935847	NA
2018_234_ISEGS	Black-Throated Sparrow	BTSP	Incidental	8/5/2018	8/6/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	8-24 hours	Curling of all retrices, and secondary flight feathers of right wing; evidence of singe on head and throat feathers.	Scorched or singed	3	3	Powerblock	637438, 3937884	NA
2018_235_ISEGS	Chipping Sparrow	CHSP	Incidental	8/7/2018	8/7/2018	Dead, Fresh (Eyes sunken but present; feathers fresh and with loft, muscle tissue pliable)	8-24 hours	Curling of primary flight feathers and retrices; evidence of singe on head and back feathers.	Scorched or singed	3	3	Powerblock	637434, 3937892	NA
2018_236_ISEGS	Yellow Warbler	YWAR	Incidental	8/7/2018	8/7/2018	Dead, Fresh (Eyes sunken but present; feathers fresh and with loft, muscle tissue pliable)	8-24 hours	Curling of primary and secondary flight feathers, and retrices; evidence of singe on head and back feathers.	Scorched or singed	Unk	3	Powerblock	637444, 3937891	NA

2018_237_ISEGS	Verdin	VERD	Incidental	8/7/2018	8/7/2018	Dead, Fresh (Eyes sunken but present; feathers fresh and with loft, muscle tissue pliable)	8-24 hours	No evidence of collision or singe.	Unknown	3	Powerblock	637524, 3937937	NA
2018_238_ISEGS	Brown-headed Cowbird	BHCO	Incidental	8/7/2018	8/7/2018	Dead, fresh (eyes sunken but present, feathers fresh and with loft, muscle tissue and joints pliable)	8-24 hours	Curling of breast feathers	Scorched or singed	1	2 Powerblock	638616, 3935830	NA
2018_239_ISEGS	Black-tailed Gnatcatcher	BTGN	Incidental	8/7/2018	8/7/2018	Dead, Fresh (Eyes sunken but present; feathers fresh and with loft, muscle tissue pliable)	8-24 hours	Curling of retrices and primary coverts; evidence of singe on head feathers.	Scorched or singed	3	2 Powerblock	638582, 3935809	NA
2018_240_ISEGS	Black-tailed Gnatcatcher	BTGN	Incidental	8/7/2018	8/7/2018	Dead, Fresh (Eyes sunken but present; feathers fresh and with loft, muscle tissue pliable)	8-24 hours	Curling of retrices and belly feathers.	Scorched or singed	Unk	1 Powerblock	640374, 3933458	NA

2018_241_ISEGS	Yellow Warbler	YWAR	Incidental	8/8/2018	8/8/2018	Dead, fresh (eyes sunken but present; no decomposition odor, feathers fresh and with loft, joints with dexterity)	8-24 hours	Curling of primary and secondary flight feathers, curling of retrices, evidence of singe on head and back feathers.	Scorched or singed	3	3	Powerblock	637510, 3938000	NA
2018_242_ISEGS	Northern Rough-winged Swallow	NRWS	Incidental	8/8/2018	8/8/2018	Dead, fresh (muscle tissue pliable, joints with dexterity, eyes present)	8-24 hours	Curling of secondary and primary flight feathers.	Scorched or singed	2	3	Powerblock	637518, 3937937	NA
2018_243_ISEGS	Northern Rough-winged Swallow	NRWS	Incidental	8/8/2018	8/8/2018	Dead, fresh (joints with dexterity, muscle tissue pliable, back feathers fresh and with loft, eyes present but sunken)	8-24 hours	Tail and majority of flight feathers missing; evidence of singe on majority of body feathers, remaining primary flight feathers curled and singed.	Scorched or singed	3	2	Powerblock	638665, 3935839	NA
2018_244_ISEGS	Cliff Swallow	CLSW	Incidental	8/8/2018	8/8/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Curling of primary flight feathers.	Scorched or singed	1	3	Powerblock	637414, 3937938	NA
2018_245_ISEGS	Cliff Swallow	CLSW	Incidental	8/9/2018	8/9/2018	Broken up	3-6 days	Curling of primary and secondary feathers and retrices	Scorched or singed	2	3	Powerblock	637548, 3937906	NA

2018_246_ISEGS	Western Kingbird	WEKI	Incidental	8/13/2018	8/14/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to rectrices.	Scorched or singed	1	3	Powerblock	637487, 3937914	NA
2018_247_ISEGS	Unknown Warbler	UNWA	Incidental	8/14/2018	8/14/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to all flight feathers, singe to right flank, coverts, and back.	Scorched or singed	2	3	Powerblock	637487, 3937914	NA
2018_248_ISEGS	Unknown Warbler	UNWA	Incidental	8/14/2018	8/14/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Singe to head, back, and breast with all flight feathers singed off.	Scorched or singed	2	3	Powerblock	637487, 3937914	NA
2018_249_ISEGS	Cooper's Hawk	COHA	Incidental	8/14/2018	8/14/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	No evidence of collision or singe.	Unknown		1	Powerblock	640358, 3933503	NA
2018_250_ISEGS	Verdin	VERD	Carcass Survey	8/14/2018	8/14/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	No evidence of collision or singe.	Unknown		1	ACC Building	640396, 3933550	NA
2018_251_ISEGS	Tree Swallow	TRES	Carcass Survey	8/14/2018	8/14/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to all flight feathers, singe to top of head, back, and coverts.	Scorched or singed	2	1	ACC Building	640358, 3933548	NA
2018_252_ISEGS	Tree Swallow	TRES	Carcass Survey	8/14/2018	8/14/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to all flight feathers, singe to top of head.	Scorched or singed	2	1	ACC Building	640350, 3933547	NA

2018_253_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	8/14/2018	8/14/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to primaries.	Scorched or singed	2	1	Powerblock	640353, 3933506	NA
2018_254_ISEGS	Yellow Warbler	YWAR	Carcass Survey	8/15/2018	8/15/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to all flight feathers, singe to left side of face and rump, upper breast.	Scorched or singed	1	3	ACC Building	637482, 3937958	NA
2018_255_ISEGS	Tree Swallow	TRES	Carcass Survey	8/15/2018	8/15/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to all flight feathers, singe to back.	Scorched or singed	2	3	ACC Building	637476, 3937959	NA
2018_256_ISEGS	Lazuli Bunting	LAZB	Carcass Survey	8/15/2018	8/15/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	2 days	Curling to all flight feathers, singe to top of head, upper breast, rump.	Scorched or singed	2	3	ACC Building	637455, 3937959	NA
2018_257_ISEGS	Rock Pigeon	ROPI	Carcass Survey	8/15/2018	8/15/2018	Broken up	3-6 days	Curling to several secondaries, singe to contour feathers.	Scorched or singed	1	3	Powerblock	637416, 3937902	NA
2018_258_ISEGS	Yellow Warbler	YWAR	Carcass Survey	8/15/2018	8/15/2018	Broken up	3-6 days	No evidence of collision or singe.	Unknown		3	Powerblock	637454, 3937902	NA
2018_259_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	8/15/2018	8/15/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	2 days	Singe to contour feather and covert.	Scorched or singed	3	3	Powerblock	637454, 3937902	NA
2018_260_ISEGS	Bullock's Oriole	BUOR	Incidental	8/15/2018	8/15/2018	Alive, injured	0-8 hours	No evidence of collision or singe.	Unknown		3	Heliostat	637425, 3937809	NA
2018_261_ISEGS	Northern Rough-winged Swallow	NRWS	Incidental	8/15/2018	8/15/2017	Broken up	3-6 days	Curling to end of rectrices.	Scorched or singed	1	1	Powerblock	640444, 3933555	NA
2018_262_ISEGS	Yellow Warbler	YWAR	Incidental	8/15/2018	8/15/2017	Broken up	2 days	Singe to primaries.	Scorched or singed	1	2	Powerblock	638637, 3935821	NA

2018_263_ISEGS	Yellow-rumped Warbler	YRWA	Carcass Survey	8/16/2018	8/16/2017	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	2 weeks	Curling to flight feathers, singe to top of head.	Scorched or singed	2	2	Powerblock	638629, 3935866	NA
2018_264_ISEGS	Western Tanager	WETA	Carcass Survey	8/16/2018	8/16/2017	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Curling to many flight feathers, singe to top of head and rump.	Scorched or singed	1	2	ACC Building	638662, 3935897	NA
2018_265_ISEGS	Yellow Warbler	YWAR	Carcass Survey	8/16/2018	8/16/2017	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Singe to tip of primaries.	Scorched or singed	1	2	ACC Building	638643, 3935897	NA
2018_266_ISEGS	Black-Throated Warbler	BTYW	Carcass Survey	8/16/2018	8/16/2017	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	0-8 hours	Singe to tips of primaries.	Scorched or singed	1	2	ACC Building	638629, 3935897	NA
2018_267_ISEGS	Bullock's Oriole	BUOR	Carcass Survey	8/16/2018	8/16/2017	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to all flight feathers, singe to belly.	Scorched or singed	2	2	ACC Building	638654, 3935885	NA

2018_268_ISEGS	Unknown Hummingbird	UNHU	Carcass Survey	8/16/2018	8/16/2017	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	2 days	Curling to rectrices, singe to rump.	Scorched or singed	1	2	ACC Building	638637, 3935884	NA
2018_269_ISEGS	Lazuli Bunting	LAZB	Carcass Survey	8/16/2018	8/16/2017	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to all flight feathers and singe to every part of body.	Scorched or singed	2	2	ACC Building	638635, 3935883	NA
2018_270_ISEGS	Black-Throated Sparrow	BTSP	Carcass Survey	8/16/2018	8/16/2017	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Curling to all flight feathers, singe to top of head.	Scorched or singed	2	2	Powerblock	638631, 3935865	NA
2018_271_ISEGS	Nashville Warbler	NAWA	Incidental	8/18/2018	8/20/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Curling to left wing flight feathers, singe to coverts and rects.	Scorched or singed	1	3	Powerblock	637459, 3937892	NA

2018_272_ISEGS	Verdin	VERD	Incidental	8/18/2018	8/20/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Curling to all flight feathers, singe to coverts, left nape, and rump.	Scorched or singed	2	3	Powerblock	637469, 3937882	NA
2018_273_ISEGS	Northern Rough-winged Swallow	NRWS	Incidental	8/19/2018	8/20/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	2 days	Curling to all flight feathers, singe to upper breast, rump, and top of head.	Scorched or singed	2	3	Powerblock	637427, 3937940	NA
2018_274_ISEGS	Nashville Warbler	NAWA	Incidental	8/19/2018	8/20/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Singe to 1 retrix.	Scorched or singed	1	3	Powerblock	637446, 3937890	NA
2018_275_ISEGS	Mourning Dove	MODO	Incidental	8/21/2018	8/21/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	0-8 hours	No evidence of collision or singe.	Unknown		2	CLA East	639617, 3934911	NA
2018_276_ISEGS	Unknown Swallow	UNSW	Incidental	8/21/2018	8/21/2018	Broken up	2 weeks	Curling to secondaries, singe to coverts, back.	Scorched or singed	1	3	Powerblock	637482, 3937939	NA

2018_277_ISEGS	Yellow Warbler	YWAR	Incidental	8/21/2018	8/21/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	No evidence of collision or singe.	Unknown	3	Powerblock	637511, 3937910	NA	
2018_278_ISEGS	Northern Rough-winged Swallow	NRWS	Incidental	8/23/2018	8/24/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to central rectrices.	Scorched or singed	1	1	Powerblock	640373, 3933487	NA
2018_279_ISEGS	Cactus Wren	CACW	Incidental	8/24/2018	8/24/2018	Broken up	2 weeks	No evidence of collision or singe.	Unknown	3	Heliostat	637119, 3939113	NA	
2018_280_ISEGS	Orange-crowned Warbler	OCWA	Incidental	8/27/2018	8/27/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	No evidence of collision or singe.	Unknown	3	Heliostat	637424, 3937758	NA	
2018_281_ISEGS	Mourning Dove	MODO	Incidental	8/28/2018	8/28/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	0-8 hours	No evidence of collision or singe.	Unknown	3	Powerblock	637424, 3937758	NA	

2018_282_ISEGS	Lazuli Bunting	LAZB	Carcass Survey	8/28/2018	8/28/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to retrices, singe to left flank.	Scorched or singed	1	3	Heliostat	637258, 3937939	NA
2018_283_ISEGS	Mourning Dove	MOD0	Carcass Survey	8/28/2018	8/28/2018	Broken up	2 days	No evidence of collision or singe.	Unknown		3	Heliostat	637507, 3938133	NA
2018_284_ISEGS	Mourning Dove	MOD0	Carcass Survey	8/28/2018	8/28/2018	Broken up	2 weeks	No evidence of collision or singe.	Unknown		3	Heliostat	637622, 3937864	NA
2018_285_ISEGS	Yellow Warbler	YWAR	Carcass Survey	8/29/2018	8/29/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Evidence of singe to flight feathers.	Scorched or singed	2	2	ACC Building	638658, 3935884	NA
2018_286_ISEGS	Yellow Warbler	YWAR	Carcass Survey	8/29/2018	8/29/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	2 days	Evidence of singe to flight feathers, head and back, and retrices.	Scorched or singed	2	2	ACC Building	638641, 3935884	NA
2018_287_ISEGS	Lazuli Bunting	LAZB	Carcass Survey	8/29/2018	8/29/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Evidence of curling to tips of retrices.	Scorched or singed	1	2	ACC Building	638644, 3935897	NA

2018_288_ISEGS	Wilson's Warbler	WIWA	Carcass Survey	8/29/2018	8/29/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	0-8 hours	All flight feathers, back, and head singed.	Scorched or singed	2	2	ACC Building	638648, 3935897	NA
2018_289_ISEGS	Black-throated Gray Warbler	BTYW	Carcass Survey	8/29/2018	8/29/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	0-8 hours	Curling to all flight feathers and rects, singe to head and back.	Scorched or singed	2	2	ACC Building	638669, 3935909	NA
2018_290_ISEGS	Yellow Warbler	YWAR	Carcass Survey	8/29/2018	8/29/2018	Broken up	0-8 hours	Curling to majority of all flight feathers.	Scorched or singed	2	2	ACC Building	638653, 3935910	NA
2018_291_ISEGS	Vesper Sparrow	VESP	Carcass Survey	8/29/2018	8/29/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Curling to all flight feathers, singe to head and back.	Scorched or singed	2	2	ACC Building	638646, 3935910	NA

2018_292_ISEGS	Lazuli Bunting	LAZB	Carcass Survey	8/29/2018	8/29/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Singe to majority of flight feathers and body.	Scorched or singed	2	3	ACC Building	637491, 3937945	NA
2018_293_ISEGS	Wilson's Warbler	WIWA	Carcass Survey	8/29/2018	8/29/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to all flight feathers, singe to head, back, and rump.	Scorched or singed	2	3	ACC Building	637470, 3937945	NA
2018_294_ISEGS	Yellow Warbler	YWAR	Carcass Survey	8/29/2018	8/29/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	0-8 hours	Singe on majority of body.	Scorched or singed	2	3	ACC Building	637456, 3937944	NA
2018_295_ISEGS	Lazuli Bunting	LAZB	Carcass Survey	8/29/2018	8/29/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Curling to majority of secondaries and retrices.	Scorched or singed	1	3	ACC Building	637488, 3937958	NA

2018_296_ISEGS	Rufous Hummingbird	RUHU	Carcass Survey	8/29/2018	8/29/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	2 days	Singe on majority of carcass.	Scorched or singed	2	3	ACC Building	637484, 3937958	NA
2018_297_ISEGS	Yellow Warbler	YWAR	Carcass Survey	8/29/2018	8/29/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	0-8 hours	Curling to tips of retrices.	Scorched or singed	1	3	ACC Building	637510, 3937971	NA
2018_298_ISEGS	Wilson's Warbler	WIWA	Carcass Survey	8/29/2018	8/29/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	0-8 hours	Curling to all flight feathers and retrices, singe to head and breast.	Scorched or singed	2	3	ACC Building	637479, 3937971	NA
2018_299_ISEGS	Tree Swallow	TRES	Carcass Survey	8/29/2018	8/29/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Singe on majority of flight feathers and body.	Scorched or singed	2	3	ACC Building	637475, 3937971	NA

2018_300_ISEGS	Warbling Vireo	WAVI	Carcass Survey	8/29/2018	8/29/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	2 days	Singe on majority of carcass.	Scorched or singed	2	3	ACC Building	637464, 3937971	NA
2018_301_ISEGS	Yellow Warbler	YWAR	Carcass Survey	8/29/2018	8/29/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	0-8 hours	Curling to secondaries and rects and primary coverts, singe to head and back.	Scorched or singed	1	3	ACC Building	637479, 3937985	NA
2018_302_ISEGS	Yellow Warbler	YWAR	Carcass Survey	8/29/2018	8/29/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Singe to all flight feather tips and body.	Scorched or singed	1	3	Powerblock	637510, 3937894	NA
2018_303_ISEGS	Unknown Sandpiper	UNSA	Carcass Survey	8/29/2018	8/29/2018	Mummified	2 weeks	No evidence of collision or singe.	Unknown		3	Powerblock	637471, 3937901	NA
2018_304_ISEGS	Cassin's Vireo	CAVI	Carcass Survey	8/29/2018	8/29/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	2 weeks	Singe on tips of flight feathers.	Scorched or singed	1	3	Powerblock	637517, 3937899	NA
2018_305_ISEGS	Nashville Warbler	NAWA	Carcass Survey	8/29/2018	8/29/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Singe on majority of carcass.	Scorched or singed	2	3	Powerblock	637468, 3937906	NA

2018_306_ISEGS	Lazuli Bunting	LAZB	Incidental	8/29/2018	8/29/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	0-8 hours	Singe to majority of carcass.	Scorched or singed	2	2	Powerblock	638622, 3935871	NA
2018_307_ISEGS	Northern Mockingbird	NOMO	Incidental	8/29/2018	8/29/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	0-8 hours	Curling to flight feathers and retrices, singe to head and back.	Scorched or singed	2	2	Powerblock	638660, 3935845	NA
2018_308_ISEGS	Unknown Warbler	UNWA	Incidental	8/29/2018	8/29/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	2 days	Evidence of singe.	Scorched or singed	2	2	Powerblock	638660, 3935845	NA
2018_309_ISEGS	Unknown Warbler	UNWA	Carcass Survey	8/30/2018	8/30/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Singe to majority of carcass.	Scorched or singed	2	1	ACC Building	640386, 3933522	NA

2018_310_ISEGS	Unknown Warbler	UNWA	Carcass Survey	8/30/2018	8/30/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Singe to majority of carcass.	Scorched or singed	2	1	ACC Building	640371, 3933522	NA
2018_311_ISEGS	Yellow Warbler	YWAR	Carcass Survey	8/30/2018	8/30/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	2 days	Curling to flight feathers and retrices, singe to right underwing.	Scorched or singed	2	1	ACC Building	640370, 3933536	NA
2018_312_ISEGS	Tree Swallow	TRES	Carcass Survey	8/30/2018	8/30/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Singe to tips of retrices.	Scorched or singed	2	1	ACC Building	640382, 3933536	NA
2018_313_ISEGS	Unknown Oriole	UNOR	Carcass Survey	8/30/2018	8/30/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to flight feathers and retrices, singe to all body feathers.	Scorched or singed	2	1	ACC Building	640395, 3933536	NA

2018_314_ISEGS	Yellow Warbler	YWAR	Carcass Survey	8/30/2018	8/30/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	0-8 hours	Singe on shoulder.	Scorched or singed	1	1	ACC Building	640374, 3933549	NA
2018_315_ISEGS	Unknown Gnatcatcher	UNGN	Carcass Survey	8/30/2018	8/30/2018	Unknown	Unknown	Unknown	Unknown		1	ACC Building	640410, 3933546	NA
2018_316_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	8/30/2018	8/30/2018	Feather spot	3-6 days	Curling to flight feathers.	Scorched or singed	Unk	1	Powerblock	640361, 3933481	NA
2018_317_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	8/30/2018	8/30/2018	Broken up	3-6 days	Singe to coverts and primaries.	Scorched or singed	Unk	1	Powerblock	640364, 3933483	NA
2018_318_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	8/30/2018	8/30/2018	Feather spot	3-6 days	Singe to primaries.	Scorched or singed	Unk	1	Powerblock	640356, 3933495	NA
2018_319_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	8/30/2018	8/30/2018	Feather spot	3-6 days	No evidence of collision or singe.	Unknown		1	Powerblock	640358, 3933494	NA
2018_320_ISEGS	Yellow Warbler	YWAR	Carcass Survey	8/30/2018	8/30/2018	Broken up	3-6 days	Curling to partial right wing.	Scorched or singed	Unk	1	Powerblock	640357, 3933493	NA
2018_321_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	8/30/2018	8/30/2018	Feather spot	3-6 days	Singe to secondary.	Scorched or singed	Unk	1	Powerblock	640357, 3933493	NA
2018_322_ISEGS	Hermit Warbler	HEWA	Incidental	8/31/2018	8/31/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	0-8 hours	Curling to flight feathers, singe to back and head.	Scorched or singed	2	3	Powerblock	637458, 3937896	NA

2018_323_ISEGS	Yellow Warbler	YWAR	Incidental	8/31/2018	8/31/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	0-8 hours	Singe to upperparts with all flight feathers singed off.	Scorched or singed	2	3	Powerblock	637470, 3937895	NA
2018_324_ISEGS	Orange-crowned Warbler	OCWA	Incidental	8/31/2018	8/31/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	0-8 hours	Curling to all flight feathers.	Scorched or singed	2	3	Powerblock	637481, 3937895	NA
2018_325_ISEGS	Nashville Warbler	NAWA	Incidental	8/31/2018	8/31/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	0-8 hours	Curling to all flight feathers with many singed off.	Scorched or singed	2	3	Powerblock	637488, 3937916	NA

2018_326_ISEGS	Yellow Warbler	YWAR	Incidental	8/31/2018	8/31/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	0-8 hours	Curling to all flight feathers with many singed off.	Scorched or singed	2	3	Powerblock	637484, 3937937	NA
2018_327_ISEGS	Yellow Warbler	YWAR	Incidental	8/31/2018	8/31/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	0-8 hours	Singe to breast.	Scorched or singed	3	3	Powerblock	637477, 3937932	NA
2018_328_ISEGS	Rufous Hummingbird	RUHU	Incidental	8/31/2018	8/31/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	0-8 hours	Curling to rectrices, singe to right side and rump.	Scorched or singed	2	3	Powerblock	637471, 3937935	NA
2018_329_ISEGS	Unidentified Small Bird	UNID	Incidental	9/1/2018	9/4/2018	Broken up	3-6 days	Singe to flight feathers with many singed off.	Scorched or singed	Unk	3	Powerblock	637461, 3937904	NA
2018_330_ISEGS	Townsend's Warbler	TOWA	Incidental	9/1/2018	9/4/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Singe to primaries and secondaries.	Scorched or singed	1	3	Powerblock	637463, 3937938	NA

2018_331_ISEGS	Lazuli Bunting	LAZB	Incidental	9/2/2018	9/4/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to all flight feathers, singe to breast, head, back, and rump.	Scorched or singed	2	3	Powerblock	637494, 3937919	NA
2018_332_ISEGS	Yellow Warbler	YWAR	Incidental	9/2/2018	9/4/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Curling to all flight feathers, singe to head and back.	Scorched or singed	2	2	Powerblock	637463, 3937879	NA
2018_333_ISEGS	Wilson's Warbler	WIWA	Incidental	9/2/2018	9/4/2018	Broken up	3-6 days	Singe to flight feathers with many singed off.	Scorched or singed	Unk	2	Powerblock	638644, 3935822	NA
2018_334_ISEGS	Tree Swallow	TRES	Incidental	9/3/2018	9/4/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Curling to all flight feathers, singe on head, back, and rump.	Scorched or singed	2	1	Powerblock	640270, 3933526	NA
2018_335_ISEGS	Yellow Warbler	YWAR	Incidental	9/3/2018	9/4/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	0-8 hours	Singe to left side of head.	Scorched or singed	3	2	Powerblock	640351, 3933472	NA

2018_336_ISEGS	Tree Swallow	TRES	Incidental	9/3/2018	9/4/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Curling to all flight feathers with many singed off, singe to head, back, and rump.	Scorched or singed	2	2	Powerblock	638668, 3935862	NA
2018_337_ISEGS	Nashville Warbler	NAWA	Incidental	9/3/2018	9/4/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Curling to all flight feathers with many singed off.	Scorched or singed	2	2	Powerblock	638654, 3935873	NA
2018_338_ISEGS	Rufous Hummingbird	RUHU	Incidental	9/3/2018	9/4/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Curling to all flight feathers with many singed off, singe to all upperparts.	Scorched or singed	2	2	Powerblock	638603, 3935873	NA

2018_339_ISEGS	Wilson's Warbler	WIWA	Incidental	9/3/2018	9/4/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	0-8 hours	Curling and singe to all flight feathers.	Scorched or singed	2	2	Powerblock	638660, 3935845	NA
2018_340_ISEGS	Black-tailed Gnatcatcher	BTGN	Incidental	9/3/2018	9/4/2018	Broken up	3-6 days	No evidence of collision or singe.	Unknown		2	Powerblock	638595, 3935838	NA
2018_341_ISEGS	Cliff Swallow	CLSW	Incidental	9/3/2018	9/4/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Curling to flight feathers in right wing, singe to right side of face, left wing coverts, and rump.	Scorched or singed	1	2	Powerblock	638660, 3935845	NA
2018_342_ISEGS	Unidentified Small Bird	UNID	Incidental	9/3/2018	9/5/2018	Mummified	2 weeks	Curling to all flight feathers with many singed off, singe to all of body.	Scorched or singed	2	2	Powerblock	638660, 3935845	NA
2018_343_ISEGS	Unidentified Small Bird	UNID	Incidental	9/4/2018	9/4/2018	Feather spot	3-6 days	Singe to both primaries.	Scorched or singed	Unk	2	Powerblock	638620, 3935828	NA
2018_344_ISEGS	Verdin	VERD	Incidental	9/5/2018	9/5/2018	Mummified	1 month +	No evidence of collision or singe.	Unknown		2	Powerblock	638660, 3935845	NA
2018_345_ISEGS	Yellow Warbler	YWAR	Incidental	9/5/2018	9/5/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	0-8 hours	Singe to retrix.	Scorched or singed	1	2	Powerblock	638684, 3935812	NA

2018_346_ISEGS	Belted Kingfisher	BEKI	Incidental	9/5/2018	9/5/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling and singe to all flight feathers.	Scorched or singed	2	3	Powerblock	637483, 3937964	NA
2018_347_ISEGS	Black-throated Gray Warbler	BTYW	Incidental	9/6/2018	9/6/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	0-8 hours	Curling or singe to all flight feathers, singe to head and back.	Scorched or singed	2	2	Powerblock	638620, 3935873	NA
2018_348_ISEGS	Unidentified Swallow	UNSW	Incidental	9/6/2018	9/6/2018	Broken up	2 weeks	Singe on top of head.	Scorched or singed	Unk	2	Powerblock	638621, 3935870	NA
2018_349_ISEGS	Unidentified Hummingbird	UNHU	Carcass Survey	9/11/2018	9/11/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to all flight feathers, singe to left side of body and flank.	Scorched or singed	Unk	2	ACC Building	638657, 3935884	NA
2018_350_ISEGS	Lesser Nighthawk	LENI	Carcass Survey	9/11/2018	9/11/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	No evidence of collision or singe.	Unknown		2	ACC Building	638676, 3935892	NA
2018_351_ISEGS	Wilson's Warbler	WIWA	Carcass Survey	9/11/2018	9/11/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to secondaries on right wing and half of rectrices.	Scorched or singed	1	2	ACC Building	638642, 3935897	NA
2018_352_ISEGS	Wilson's Warbler	WIWA	Carcass Survey	9/11/2018	9/11/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to majority of flight feathers, singe to left flank and side of face.	Scorched or singed	2	2	ACC Building	638669, 3935909	NA

2018_353_ISEGS	Unidentified Hummingbird	UNHU	Carcass Survey	9/11/2018	9/11/2018	Mummified	1 month +	Singeing to whole carcass.	Scorched or singed	2	2	ACC Building	638674, 3935922	NA
2018_354_ISEGS	Yellow Warbler	YWAR	Carcass Survey	9/11/2018	9/11/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to all of flight feathers, singe to top of head, back, and coverts.	Scorched or singed	2	2	ACC Building	638639, 3935922	NA
2018_355_ISEGS	Brewer's Sparrow	BRSP	Carcass Survey	9/11/2018	9/11/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Singeing to throat.	Scorched or singed	3	2	ACC Building	638621, 3935922	NA
2018_356_ISEGS	Warbling Vireo	WAVI	Carcass Survey	9/11/2018	9/11/2018	Broken up	3-6 days	Singeing to tips of primaries.	Scorched or singed	Unk	2	Powerblock	638678, 3935909	NA
2018_357_ISEGS	Mourning Dove	MODO	Carcass Survey	9/11/2018	9/11/2018	Broken up	3-6 days	No evidence of collision or singe.	Unknown		2	Heliostat	638665, 3936032	NA
2018_358_ISEGS	Black-throated Gray Warbler	BTYW	Carcass Survey	9/11/2018	9/11/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to all flight feathers with many singed off.	Scorched or singed	Unk	2	Powerblock	638648, 3935871	NA
2018_359_ISEGS	Unidentified Warbler	UNWA	Carcass Survey	9/11/2018	9/11/2018	Broken up	1 month +	No evidence of collision or singe.	Unknown		2	Powerblock	638656, 3935869	NA
2018_360_ISEGS	Cedar Waxwing	CEWA	Carcass Survey	9/11/2018	9/11/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	No evidence of collision or singe.	Unknown		2	Powerblock	638660, 3935845	NA

2018_361_ISEGS	Yellow Warbler	YWAR	Carcass Survey	9/11/2018	9/11/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	0-8 hours	Singeing to all flight feathers with many singed off.	Scorched or singed	2	2	Powerblock	638650, 3935827	NA
2018_362_ISEGS	Yellow Warbler	YWAR	Carcass Survey	9/11/2018	9/11/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Curling to right wing and half of retrices, singe to head, nape, and back.	Scorched or singed	2	2	Powerblock	638553, 3935883	NA
2018_363_ISEGS	Mourning Dove	MODO	Carcass Survey	9/11/2018	9/11/2018	Alive, injured	0-8 hours	No evidence of collision or singe.	Unknown		2	Heliostat	638745, 3935749	NA
2018_364_ISEGS	Barn Swallow	BARS	Carcass Survey	9/12/2018	9/12/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Curling to flight feathers, singeing to upperparts.	Scorched or singed	2	3	ACC Building	637484, 3937946	NA
2018_365_ISEGS	American Kestrel	AMKE	Incidental	9/12/2018	9/12/2018	Alive, injured	0-8 hours	Curling to primaries, secondaries, and retrices.	Scorched or singed	2	1	Powerblock	640373, 3933487	NA
2018_366_ISEGS	Yellow Warbler	YWAR	Carcass Survey	9/12/2018	9/12/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to central retrices, singe to coverts and top of head.	Scorched or singed	3	3	ACC Building	637478, 3937958	NA

2018_367_ISEGS	Black-throated Gray Warbler	BTYW	Carcass Survey	9/12/2018	9/12/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to all of flight feathers with many singed off, singe to back and head.	Scorched or singed	2	3	ACC Building	637461, 3937959	NA
2018_368_ISEGS	Ovenbird	OVEN	Carcass Survey	9/12/2018	9/12/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Singeing to all upperparts and upper breast with all flight feathers singed off.	Scorched or singed	2	3	ACC Building	637510, 3937986	NA
2018_369_ISEGS	Rufous Hummingbird	RUHU	Carcass Survey	9/12/2018	9/12/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to primaries and secondaries with rectrices singed off, singe to upperparts, breast, and belly.	Scorched or singed	2	3	ACC Building	637495, 3937986	NA
2018_370_ISEGS	Yellow Warbler	YWAR	Carcass Survey	9/12/2018	9/12/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	No evidence of collision or singe.	Unknown		3	ACC Building	637473, 3937986	NA
2018_371_ISEGS	Yellow-rumped Warbler	YRWA	Incidental	9/12/2018	9/12/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	2 days	Curling to all flight feathers.	Scorched or singed	2	3	Powerblock	637472, 3937900	NA
2018_372_ISEGS	American Kestrel	AMKE	Carcass Survey	9/12/2018	9/12/2018	Broken up	3-6 days	Curling to all flight feathers.	Scorched or singed	Unk	1	Heliostat	640395, 3933639	NA
2018_373_ISEGS	Vaux's swift	VASW	Incidental	9/12/2018	9/12/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	2 days	Curling to all flight feathers with many singed off, singe to all upperparts.	Scorched or singed	2	2	Powerblock	638633, 3935862	NA

2018_374_ISEGS	Tree Swallow	TRES	Carcass Survey	9/14/2018	9/14/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to all flight feathers with many singed off, singe to all upperparts.	Scorched or singed	2	1	ACC Building	640396, 3933524	NA
2018_375_ISEGS	Black-throated Gray Warbler	BTYW	Carcass Survey	9/14/2018	9/14/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to flight feathers in wings and central rectrices, singe to chest.	Scorched or singed	2	1	ACC Building	640385, 3933536	NA
2018_376_ISEGS	Black-tailed Gnatcatcher	BTGN	Carcass Survey	9/14/2018	9/14/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	No evidence of collision or singe.	Unknown		1	ACC Building	640351, 3933542	NA
2018_377_ISEGS	Unidentified Swallow	UNID	Carcass Survey	9/14/2018	9/14/2018	Feather spot	3-6 days	Curling and singe to primaries and secondaries.	Scorched or singed	Unk	1	Powerblock	640379, 3933541	NA
2018_378_ISEGS	Mourning Dove	MODO	Carcass Survey	9/14/2018	9/14/2018	Feather spot	3-6 days	No evidence of collision or singe.	Unknown		1	Powerblock	640373, 3933464	NA
2018_379_ISEGS	Western Tanager	WETA	Incidental	9/17/2018	9/17/2018	Alive, injured	0-8 hours	Curling to all flight feathers in wing and tail, singe to top of head.	Scorched or singed	2	3	Powerblock	637503, 3937912	NA
2018_380_ISEGS	Yellow Warbler	YWAR	Incidental	9/18/2018	9/19/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to all flight feathers, singe to top of head and back.	Scorched or singed	2	3	Powerblock	637487, 3937914	NA
2018_381_ISEGS	Orange-crowned Warbler	OCWA	Incidental	9/19/2018	9/19/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	0-8 hours	Curling to all flight feathers, singe to top of head, left side of face, breast, and flank.	Scorched or singed	2	3	Powerblock	637548, 3937913	NA

2018_382_ISEGS	Greater Roadrunner	GRRO	Incidental	9/19/2018	9/19/2018	Broken up	1 month +	No evidence of collision or singe.	Unknown	2	Heliostat	639523, 3936550	NA
2018_383_ISEGS	Yellow-rumped Warbler	YRWA	Incidental	9/20/2018	9/20/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Curling to all flight feathers with many singed off, singe to all parts of body.	Scorched or singed	1	1 Powerblock	640390, 3933470	NA
2018_384_ISEGS	Eurasian Collared Dove	ECDO	Incidental	9/20/2018	9/20/2018	Feather spot	2 days	Curling to all flight feathers.	Scorched or singed	2	1 Powerblock	640245, 3933492	NA
2018_385_ISEGS	Brown-headed Cowbird	BHCO	Incidental	9/20/2018	9/20/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	0-8 hours	No evidence of collision or singe.	Unknown	1	Powerblock	640385, 3933518	NA
2018_386_ISEGS	Greater Roadrunner	GRRO	Incidental	9/20/2018	9/20/2018	Feather spot	2 weeks	No evidence of collision or singe.	Unknown	3	Perimeter Fence	636628, 3937808	NA
2018_387_ISEGS	Wilson's Warbler	WIWA	Incidental	9/21/2018	9/21/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Curling to all flight feathers in left wing and central rectx, singe to left wing coverts.	Scorched or singed	1	3 Powerblock	637434, 3937964	NA
2018_388_ISEGS	Unidentified Small Bird	UNID	Incidental	9/21/2018	9/21/2018	Feather spot	2 days	No evidence of collision or singe.	Unknown	3	Heliostat	637636, 3938113	NA

2018_389_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	9/24/2018	9/24/2018	Feather spot	3-6 days	No evidence of collision or singe.	Unknown	3	Heliostat	637243, 3938004	NA
2018_390_ISEGS	Northern Flicker	NOFL	Carcass Survey	9/24/2018	9/24/2018	Broken up	1 month +	No evidence of collision or singe.	Unknown	3	Heliostat	637438, 3938079	NA
2018_391_ISEGS	Mourning Dove	MODO	Carcass Survey	9/24/2018	9/24/2018	Feather spot	3-6 days	No evidence of collision or singe.	Unknown	3	Heliostat	637357, 3938078	NA
2018_392_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	9/24/2018	9/24/2018	Feather spot	3-6 days	No evidence of collision or singe.	Unknown	3	Heliostat	637607, 3938127	NA
2018_393_ISEGS	Mourning Dove	MODO	Carcass Survey	9/24/2018	9/24/2018	Broken up	3-6 days	No evidence of collision or singe.	Unknown	3	Heliostat	637640, 3937872	NA
2018_394_ISEGS	American Kestrel	AMKE	Carcass Survey	9/24/2018	9/24/2018	Broken up	1 month +	No evidence of collision or singe.	Unknown	3	Heliostat	637532, 3937787	NA
2018_395_ISEGS	Unidentified Small Bird	UNID	Incidental	9/24/2018	9/24/2018	Mummified	1 month +	Singe to head, breast, and flanks with all flight feathers singed off.	Scorched or singed	2	2 Powerblock	638659, 3935869	NA
2018_396_ISEGS	Townsend's Warbler	TOWA	Incidental	9/25/2018	9/25/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Curling to all flight feathers with many singed off, singe to head, back, and flanks.	Scorched or singed	2	2 Powerblock	638685, 3935881	NA
2018_397_ISEGS	Rufous Hummingbird	RUHU	Carcass Survey	9/25/2018	9/25/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Singe to face and sides of rump.	Scorched or singed	1	3 ACC Building	637516, 3937945	NA
2018_398_ISEGS	Yellow Warbler	YWAR	Carcass Survey	9/25/2018	9/25/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to all flight feathers, singe to top of head, back, axillaries.	Scorched or singed	2	3 ACC Building	637492, 3937946	NA

2018_399_ISEGS	Orange-crowned Warbler	OCWA	Carcass Survey	9/25/2018	9/25/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to all flight feathers.	Scorched or singed	2	2	ACC Building	638644, 3935909	NA
2018_400_ISEGS	Yellow Warbler	YWAR	Carcass Survey	9/25/2018	9/25/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to all flight feathers, singe to top of head, back, and rump.	Scorched or singed	2	2	ACC Building	638643, 3935897	NA
2018_401_ISEGS	Townsend's Warbler	TOWA	Carcass Survey	9/25/2018	9/25/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Singe to top of head, breast, rump with all flight feathers singed off.	Scorched or singed	2	2	ACC Building	638685, 3935897	NA
2018_402_ISEGS	Lesser Goldfinch	LEGO	Carcass Survey	9/25/2018	9/25/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Curling to all flight feathers with many singed off, singe to all upperparts.	Scorched or singed	2	3	ACC Building	637516, 3937959	NA
2018_403_ISEGS	Lazuli Bunting	LAZB	Carcass Survey	9/25/2018	9/25/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	No evidence of collision or singe.	Unknown		2	ACC Building	638650, 3935884	NA
2018_404_ISEGS	Unidentified Warbler	UNWA	Carcass Survey	9/25/2018	9/25/2018	Broken up	1 month +	Singe to top of head.	Scorched or singed	Unk	3	ACC Building	637496, 3937959	NA
2018_405_ISEGS	Yellow Warbler	YWAR	Carcass Survey	9/25/2018	9/25/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to all primaries and secondaries, singe to head and back.	Scorched or singed	1	3	ACC Building	637479, 3937959	NA

2018_406_ISEGS	MacGillivray's Warbler	MGWA	Carcass Survey	9/25/2018	9/25/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	2 days	Curling to majority of flight feathers, singe to head, back, and rump.	Scorched or singed	2	3	ACC Building	637462, 3937958	NA
2018_407_ISEGS	Lesser Goldfinch	LEGO	Carcass Survey	9/25/2018	9/25/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Curling to all flight feathers.	Scorched or singed	2	3	ACC Building	637506, 3937972	NA
2018_408_ISEGS	Lazuli Bunting	LAZB	Carcass Survey	9/25/2018	9/25/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Singe to coverts and secondaries, head, back, and rump.	Scorched or singed	1	3	ACC Building	637480, 3937984	NA
2018_409_ISEGS	Brewer's Sparrow	BRSP	Carcass Survey	9/25/2018	NA	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Singe to retrices and wing coverts.	Scorched or singed	1	3	ACC Building	637458, 3937985	NA
2018_410_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	9/25/2018	9/25/2018	Broken up	3-6 days	Singe to primary.	Scorched or singed	Unk	3	Powerblock	637449, 3937929	NA
2018_411_ISEGS	Yellow Warbler	YWAR	Carcass Survey	9/25/2018	9/25/2018	Feather spot	3-6 days	Singe to tips of primaries.	Scorched or singed	Unk	3	Powerblock	637449, 3937929	NA
2018_412_ISEGS	Black-throated Gray Warbler	BTYW	Carcass Survey	9/25/2018	9/25/2018	Broken up	3-6 days	Singe to tips of flight feathers.	Scorched or singed	1	3	Powerblock	637444, 3937925	NA
2018_413_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	9/25/2018	NA	Broken up	3-6 days	Curling to 1 primary.	Scorched or singed	Unk	2	Powerblock	638576, 3935924	NA
2018_414_ISEGS	Western Tanager	WETA	Carcass Survey	9/25/2018	9/25/2018	Feather spot	3-6 days	Singe to retrices.	Scorched or singed	Unk	3	Powerblock	637482, 3937886	NA
2018_415_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	9/25/2018	9/25/2018	Broken up	1 month +	Singe to covert.	Scorched or singed	Unk	3	Powerblock	637487, 3937914	NA

2018_416_ISEGS	Yellow-rumped Warbler	YRWA	Carcass Survey	9/25/2018	9/26/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Curling to all flight feathers with many singed off, singe to majority of body.	Scorched or singed	2	2	Powerblock	638622, 3935833	NA
2018_417_ISEGS	Lazuli Bunting	LAZB	Carcass Survey	9/26/2018	9/26/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	0-8 hours	Curling to all flight feathers, singe to upperparts.	Scorched or singed	2	2	Powerblock	638653, 3935849	NA
2018_418_ISEGS	Verdin	VERD	Carcass Survey	9/26/2018	9/26/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to all flight feathers, singe to head and back.	Scorched or singed	2	1	ACC Building	640399, 3933523	NA
2018_419_ISEGS	Yellow Warbler	YWAR	Carcass Survey	9/26/2018	9/26/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to all flight feathers, singe to head, back, and rump.	Scorched or singed	2	1	ACC Building	640379, 3933536	NA
2018_420_ISEGS	Unknown Large Bird	UNLB	Carcass Survey	9/26/2018	9/26/2018	Feather spot	3-6 days	No evidence of collision or singe.	Unknown		1	Powerblock	640364, 3933508	NA
2018_421_ISEGS	Unidentified Warbler	UNWA	Carcass Survey	9/26/2018	9/26/2018	Broken up	3-6 days	Singe to contour feathers.	Scorched or singed	3	1	Powerblock	640379, 3933501	NA
2018_422_ISEGS	Cooper's Hawk	COHA	Carcass Survey	9/26/2018	9/26/2018	Alive, injured	0-8 hours	No evidence of collision or singe.	Unknown		1	Powerblock	637443, 3937929	NA
2018_423_ISEGS	Mourning Dove	MODO	Carcass Survey	9/26/2018	9/26/2018	Feather spot	3-6 days	No evidence of collision or singe.	Unknown		1	Powerblock	640269, 3933537	NA

2018_424_ISEGS	Yellow Warbler	YWAR	Carcass Survey	9/27/2018	9/27/2018	Broken up	2 weeks	No evidence of collision or singe.	Unknown	2	Heliostat	638484, 3935744	NA
2018_425_ISEGS	Lazuli Bunting	LAZB	Carcass Survey	9/27/2018	9/27/2018	Feather spot	3-6 days	No evidence of collision or singe.	Unknown	2	Heliostat	638431, 3935953	NA
2018_426_ISEGS	Townsend's Warbler	TOWA	Incidental	9/29/2018	10/1/2018	Broken up	3-6 days	Singe to coverts on left wing.	Scorched or singed	3	2 Powerblock	638686, 3935852	NA
2018_427_ISEGS	Bullock's Oriole	BUOR	Incidental	10/2/2018	10/2/2018	Mummified	2 weeks	No evidence of collision or singe.	Unknown	3	Powerblock	637487, 3937914	NA
2018_428_ISEGS	Yellow-rumped Warbler	YRWA	Incidental	10/2/2018	10/2/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	2 days	Curling to all flight feathers, singe to all upperparts and upper breast.	Scorched or singed	2	1 Powerblock	640380, 3933522	NA
2018_429_ISEGS	Yellow-rumped Warbler	YRWA	Incidental	10/3/2018	10/3/2018	Broken up	3-6 days	Singe to left wing coverts.	Scorched or singed	3	2 Powerblock	638660, 3935854	NA
2018_430_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	10/3/2018	10/3/2018	Feather spot	3-6 days	No evidence of collision or singe.	Unknown	3	Heliostat	637278, 3937991	NA
2018_431_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	10/3/2018	10/3/2018	Feather spot	2 weeks	No evidence of collision or singe.	Unknown	3	Electrical Box	637596, 3938123	NA
2018_432_ISEGS	Northern Flicker	NOFL	Incidental	10/4/2018	10/4/2018	Broken up	3-6 days	No evidence of collision or singe.	Unknown	2	Powerblock	638650, 3935913	NA
2018_433_ISEGS	Yellow-rumped Warbler	YRWA	Carcass Survey	10/5/2018	10/5/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	2 days	Curling to all flight feathers, singe to both sides of face and both axillaries and flanks.	Scorched or singed	2	3 ACC Building	637480, 3937986	NA
2018_434_ISEGS	Yellow-rumped Warbler	YRWA	Carcass Survey	10/5/2018	10/5/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	2 days	Curling to retrices.	Scorched or singed	1	3 ACC Building	637498, 3937985	NA
2018_435_ISEGS	Yellow Warbler	YWAR	Carcass Survey	10/5/2018	10/5/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to primaries in right wing, singe to coverts and top of head.	Scorched or singed	2	3 ACC Building	637508, 3937972	NA

2018_436_ISEGS	Orange-crowned Warbler	OCWA	Carcass Survey	10/5/2018	10/5/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Singe to all flight feathers, head, back, and rump.	Scorched or singed	2	3	ACC Building	637500, 3937971	NA
2018_437_ISEGS	Wilson's Warbler	WIWA	Carcass Survey	10/5/2018	10/5/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to all flight feathers with many singed off, singe to top of head, nape, and both flanks.	Scorched or singed	2	3	ACC Building	637479, 3937971	NA
2018_438_ISEGS	House Finch	HOFI	Carcass Survey	10/5/2018	10/5/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	2 days	Curling to all flight feathers, singe to top of head, coverts, back, and breast.	Scorched or singed	2	3	ACC Building	637460, 3937958	NA
2018_439_ISEGS	Chipping Sparrow	CHSP	Carcass Survey	10/5/2018	10/5/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Singe to face.	Scorched or singed	3	3	ACC Building	637502, 3937945	NA
2018_440_ISEGS	Unidentified Swallow	UNSW	Carcass Survey	10/5/2018	10/5/2018	Broken up	3-6 days	Singe to primaries and coverts.	Scorched or singed	Unk	3	Powerblock	637477, 3937912	NA
2018_441_ISEGS	Unknown Swallow	UNSW	Carcass Survey	10/5/2018	NA	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	N/A	N/A		3	ACC Building	637454, 3937954	NA

2018_442_ISEGS	Yellow Warbler	YWAR	Carcass Survey	10/5/2018	10/5/2018	Broken up	3-6 days	All flight feathers curled.	Scorched or singed	Unk	3	Powerblock	637476, 3937915	NA
2018_443_ISEGS	Unidentified Swallow	UNSW	Carcass Survey	10/5/2018	10/5/2018	Feather spot	3-6 days	All flight feathers singed.	Scorched or singed	Unk	3	Powerblock	637380, 3937928	NA
2018_444_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	10/5/2018	10/5/2018	Broken up	1 month +	No evidence of collision or singe.	Unknown		3	Powerblock	637405, 3937973	NA
2018_445_ISEGS	Unidentified Small Bird	UNID	Incidental	10/5/2018	10/5/2018	Broken up	1 month +	No evidence of collision or singe.	Unknown		3	Heliostat	637400, 3938093	NA
2018_446_ISEGS	Yellow-rumped Warbler	YRWA	Carcass Survey	10/9/2018	10/9/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to all flight feathers, singe to left side of face, top of head, coverts, and upper breast.	Scorched or singed	2	2	ACC Building	638678, 3935897	NA
2018_447_ISEGS	Yellow-rumped Warbler	YRWA	Carcass Survey	10/9/2018	10/9/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to all flight feathers, singe head, back, axillaries, flanks, and coverts.	Scorched or singed	2	2	ACC Building	638667, 3935899	NA
2018_448_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	10/9/2018	10/9/2018	Feather spot	3-6 days	No evidence of collision or singe.	Unknown		2	Powerblock	638589, 3935888	NA
2018_449_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	10/10/2018	10/10/2018	Broken up	2 days	No evidence of collision or singe.	Unknown		2	Heliostat	638640, 3935684	NA
2018_450_ISEGS	Violet-green Swallow	VGSW	Carcass Survey	10/11/2018	10/11/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to several primaries and retrices.	Scorched or singed	1	1	ACC Building	640383, 3933523	NA
2018_451_ISEGS	Orange-crowned Warbler	OCWA	Carcass Survey	10/11/2018	10/11/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to all flight feathers, singe to top of head, left side of face, left axillary.	Scorched or singed	2	1	ACC Building	640390, 3933536	NA
2018_452_ISEGS	House Finch	HOFI	Carcass Survey	10/11/2018	10/11/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	2 days	Curling to all flight feathers, singe to top of head, coverts, and back.	Scorched or singed	2	1	ACC Building	640373, 3933535	NA

2018_453_ISEGS	Orange-crowned Warbler	OCWA	Carcass Survey	10/11/2018	10/11/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to all flight feathers, singe to rump and top of head.	Scorched or singed	2	1	ACC Building	640388, 393549	NA
2018_455_ISEGS	Northern Rough-winged Swallow	NRWS	Incidental	10/11/2018	10/11/2018	Broken up	3-6 days	Curling to all flight feathers, singe to coverts.	Scorched or singed	2	1	Powerblock	640419, 3933443	NA
2018_456_ISEGS	Yellow-rumped Warbler	YRWA	Carcass Survey	10/11/2018	10/11/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	No evidence of collision or singe.	Unknown		1	Powerblock	640292, 3933455	NA
2018_457_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	10/11/2018	10/11/2018	Broken up	3-6 days	No evidence of collision or singe.	Unknown		1	Powerblock	640344, 3933508	NA
2018_458_ISEGS	Yellow-rumped Warbler	YRWA	Incidental	10/11/2018	10/11/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	0-8 hours	Curling to all flight feathers, singe to top of head and coverts.	Scorched or singed	2	1	Powerblock	640273, 3933544	NA
2018_459_ISEGS	Ruby-crowned Kinglet	RCKI	Carcass Survey	10/11/2018	10/11/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	2 days	Curling to several retrices, singe to left flank.	Scorched or singed	Unk	1	Powerblock	640305, 3933548	NA
2018_460_ISEGS	Chipping Sparrow	CHSP	Incidental	10/11/2018	10/11/2018	Broken up	3-6 days	No evidence of collision or singe.	Unknown		3	Heliostat	636982, 3937894	NA

2018_461_ISEGS	Yellow-rumped Warbler	YRWA	Incidental	10/11/2018	10/11/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to retrices.	Scorched or singed	1	2	Powerblock	638652, 3935826	NA
2018_462_ISEGS	Ruby-crowned Kinglet	RCKI	Incidental	10/11/2018	10/11/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Curling to all flight feathers, singe to top of head, breast, and flanks.	Scorched or singed	1	2	Powerblock	638662, 3935849	NA
2018_463_ISEGS	Unknown Blackbird	UNBB	Carcass Survey	10/11/2018	10/11/2018	Broken up	3-6 days	No evidence of collision or singe.	Unknown		1	Heliostat	640607, 3933568	NA
2018_464_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	10/11/2018	10/11/2018	Broken up	2 weeks	No evidence of collision or singe.	Unknown		1	Heliostat	640494, 3933599	NA
2018_465_ISEGS	Unidentified Sparrow	UNSP	Incidental	10/12/2018	10/15/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Curling to all flight feathers, rigor in wings, fresh condition.	Scorched or singed	2	3	Powerblock	637447, 3937886	NA
2018_466_ISEGS	Ruby-crowned Kinglet	RCKI	Incidental	10/16/2018	10/16/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	2 days	No evidence of collision or singe.	Unknown		3	Heliostat	637224, 3937913	NA
2018_467_ISEGS	Greater Roadrunner	GRRO	Incidental	10/19/2018	10/19/2018	Feather spot	2 weeks	No evidence of collision or singe.	Unknown		3	Perimeter Fence	636520, 3938386	NA

2018_468_ISEGS	House Finch	HOFI	Carcass Survey	10/23/2018	10/23/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to flight feathers in wing, singe to rectrices, head, nape, and back.	Scorched or singed	2	2	Powerblock	637471, 3937928	NA
2018_469_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	10/23/2018	10/23/2018	Broken up	3-6 days	No evidence of collision or singe.	Unknown		3	Heliostat	637579, 3937709	NA
2018_470_ISEGS	American Pipit	AMPI	Carcass Survey	10/23/2018	10/23/2018	Broken up	3-6 days	No evidence of collision or singe.	Unknown		3	Heliostat	637411, 3938104	NA
2018_471_ISEGS	Western Meadowlark	WEME	Carcass Survey	10/23/2018	10/23/2018	Broken up	8-24 hours	No evidence of collision or singe.	Unknown		3	Heliostat	637460, 3938150	NA
2018_472_ISEGS	Western Meadowlark	WEME	Carcass Survey	10/23/2018	10/23/2018	Broken up	0-8 hours	No evidence of collision or singe.	Unknown		3	Heliostat	637536, 3938132	NA
2018_473_ISEGS	American Pipit	AMPI	Carcass Survey	10/23/2018	10/23/2018	Feather spot	8-24 hours	No evidence of collision or singe.	Unknown		3	Heliostat	637419, 3938145	NA
2018_474_ISEGS	American Pipit	AMPI	Carcass Survey	10/23/2018	10/23/2018	Feather spot	8-24 hours	No evidence of collision or singe.	Unknown		3	Heliostat	637419, 3938145	NA
2018_475_ISEGS	Yellow-rumped Warbler	YRWA	Carcass Survey	10/23/2018	10/23/2018	Feather spot	8-24 hours	Rectrices singed.	Scorched or singed	Unk	3	Heliostat	637274, 3939068	NA
2018_476_ISEGS	Northern Flicker	NOFL	Carcass Survey	10/23/2018	10/23/2018	Broken up	3-6 days	No evidence of collision or singe.	Unknown		3	Heliostat	637426, 3937680	NA
2018_477_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	10/23/2018	10/23/2018	Feather spot	3-6 days	No evidence of collision or singe.	Unknown		3	Heliostat	637426, 3937680	NA
2018_478_ISEGS	Northern Rough-winged Swallow	NRWS	Incidental	10/23/2018	10/23/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Singe to left side of face.	Scorched or singed	Unk	3	Powerblock	637487, 3937914	NA
2018_479_ISEGS	Ruby-crowned Kinglet	RCKI	Incidental	10/23/2018	10/23/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	0-8 hours	Curling to all flight feathers.	Scorched or singed	2	3	Powerblock	637430, 3937920	NA

2018_480_ISEGS	Black-throated Gray Warbler	BTYW	Carcass Survey	10/24/2018	10/24/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	2 days	Curling to flight feathers with rectrices singed off, singe to head, nape, back, and rump.	Scorched or singed	2	1	ACC Building	640382, 3933550	NA
2018_481_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	10/24/2018	10/24/2018	Feather spot	3-6 days	Curling to rectrices.	Scorched or singed	Unk	1	Powerblock	640358, 3933479	NA
2018_482_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	10/24/2018	10/24/2018	Feather spot	3-6 days	No evidence of collision or singe.	Unknown		1	Powerblock	640363, 3933482	NA
2018_483_ISEGS	Ruby-crowned Kinglet	RCKI	Incidental	10/24/2018	10/24/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	0-8 hours	All flight feathers curled or singed off, singe to head and nape.	Scorched or singed	2	3	Powerblock	637467, 3937933	NA
2018_484_ISEGS	Unidentified Sapsucker	UNSS	Carcass Survey	10/25/2018	10/25/2018	Feather spot	2 days	Singe to all flight feathers.	Scorched or singed	Unk	2	Heliostat	638425, 3935858	NA
2018_485_ISEGS	Brewer's Blackbird	BRBL	Carcass Survey	10/25/2018	10/25/2018	Feather spot	3-6 days	No evidence of collision or singe.	Unknown		2	Heliostat	638496, 3936034	NA
2018_486_ISEGS	Yellow-rumped Warbler	YRWA	Carcass Survey	10/25/2018	10/25/2018	Feather spot	3-6 days	No evidence of collision or singe.	Unknown		2	Heliostat	638517, 3936039	NA
2018_487_ISEGS	Yellow-rumped Warbler	YRWA	Incidental	10/27/2018	10/29/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Curling to all flight feathers, singe to coverts, breast, and all of dorsal side.	Scorched or singed	2	3	Powerblock	637645, 3937930	NA
2018_488_ISEGS	Barn Swallow	BARS	Incidental	10/27/2018	10/29/2018	Mummified	1 month +	Curling to primaries and secondaries in both wings.	Scorched or singed	1	3	Powerblock	637463, 3937936	NA

2018_489_ISEGS	Ruby-crowned Kinglet	RCKI	Carcass Survey	10/31/2018	10/31/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Curling to all flight feathers, singe to upper breast and entire head.	Scorched or singed	2	3	ACC Building	637472, 3937958	NA
2018_490_ISEGS	Ruby-crowned Kinglet	RCKI	Carcass Survey	10/31/2018	10/31/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to all flight feathers, singe to coverts, back, and left side of face.	Scorched or singed	2	3	ACC Building	637486, 3937971	NA
2018_491_ISEGS	Unidentifield Warbler	UNWA	Carcass Survey	10/31/2018	10/31/2018	Broken up	3-6 days	No evidence of collision or singe.	Unknown		3	ACC Building	637515, 3937985	NA
2018_492_ISEGS	Yellow-rumped Warbler	YRWA	Carcass Survey	10/31/2018	10/31/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to all flight feathers, singe to upper breast, nape, and head.	Scorched or singed	2	3	ACC Building	637505, 3937985	NA
2018_493_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	10/31/2018	10/31/2018	Broken up	2 weeks	Curling to coverts on partial piece of wing.	Scorched or singed	3	3	Powerblock	637469, 3937909	NA
2018_494_ISEGS	Western Meadowlark	WEME	Carcass Survey	10/31/2018	10/31/2018	Broken up	3-6 days	No evidence of collision or singe.	Unknown		3	Heliostat	637506, 3938129	NA
2018_495_ISEGS	Vaux's swift	VASW	Incidental	10/31/2018	10/31/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	3-6 days	Curling to all flight feathers with many singed off, singe to ventral side.	Scorched or singed	2	1	Powerblck	640373, 3933407	NA

2018_496_ISEGS	Dark-eyed Junco	DEJU	Carcass Survey	11/1/2018	11/1/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Curling to all flight feathers, singe to head, nape, and breast.	Scorched or singed	2	2	ACC Building	638635, 3935884	NA
2018_497_ISEGS	Ruby-crowned Kinglet	RCKI	Carcass Survey	11/1/2018	11/1/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	2 days	Curling to all flight feathers, singe to axillaries, nape, and top of head.	Scorched or singed	2	2	ACC Building	638639, 3935896	NA
2018_498_ISEGS	Yellow-rumped Warbler	YRWA	Carcass Survey	11/1/2018	11/1/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Curling to all flight feathers, singe to breast and top of head.	Scorched or singed	2	2	ACC Building	638645, 3935909	NA
2018_499_ISEGS	Unidentifield Warbler	UNWA	Carcass Survey	11/1/2018	11/1/2018	Feather spot	3-6 days	Curling to lost of flight feathers.	Scorched or singed	2	2	Powerblock	638646, 3935864	NA
2018_500_ISEGS	Ruby-crowned Kinglet	RCKI	Carcass Survey	11/1/2018	11/1/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	2 weeks	Curling to right wing and rectrices, singe to breast and top of head.	Scorched or singed	1	2	Powerblock	638580, 3935887	NA
2018_501_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	11/2/2018	11/2/2018	Broken up	3-6 days	No evidence of collision or singe.	Unknown		1	ACC Building	640410, 3933563	NA
2018_502_ISEGS	Greater Roadrunner	GRRO	Carcass Survey	11/2/2018	11/2/2018	Feather spot	3-6 days	No evidence of collision or singe.	Unknown		1	Heliostat	640539, 3933679	NA
2018_503_ISEGS	Unknown Sparrow	UNSP	Carcass Survey	11/13/2018	11/13/2018	Feather spot	3-6 days	No evidence of collision or singe.	Unknown		3	Heliostat	637565, 3938133	NA

2018_504_ISEGS	Western Meadowlark	WEME	Incidental	11/14/2018	11/14/2018	Broken up	8-24 hours	No evidence of collision or singe.	Unknown	3		Heliostat	637470, 3938134	NA
2018_505_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	11/14/2018	11/14/2018	Broken up	2 days	Singe to covert.	Scorched or singed	3	2	Powerblock	638657, 3935864	NA
2018_506_ISEGS	Unidentified Warbler	UNWA	Carcass Survey	11/14/2018	11/14/2018	Feather spot	3-6 days	Curling and singe to primaries.	Scorched or singed	1	2	Powerblock	638644, 3935867	NA
2018_507_ISEGS	Unknown Shorebird	UNSB	Incidental	11/14/2018	11/14/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	2 days	Curling to all flight feathers, singe to head, dorsal side, and left axillary.	Scorched or singed	2	2	Powerblock	638646, 3935872	NA
2018_508_ISEGS	Yellow-rumped Warbler	YRWA	Carcass Survey	11/15/2018	11/15/2018	Dead, fresh (eyes present but sunken, feathers fresh and with loft, no decomposition odor, muscle tissue pliable)	8-24 hours	Curling to all flight feathers, singe to head, all of dorsal side and breast.	Scorched or singed	2	1	ACC Building	640385, 3933549	NA
2018_509_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	11/15/2018	11/15/2018	Feather spot	3-6 days	Curling to all rectrices except one, singe to contour feathers.	Scorched or singed	1	1	Powerblock	640354, 3933494	NA
2018_510_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	11/15/2018	11/15/2018	Feather spot	2 days	Curling to several contour feathers.	Scorched or singed	3	1	Powerblock	640414, 3933491	NA
2018_511_ISEGS	Unidentified Swallow	UNSW	Carcass Survey	11/15/2018	11/15/2018	Feather spot	3-6 days	Curling to both primaries.	Scorched or singed	1	1	Heliostat	640248, 3933391	NA
2018_512_ISEGS	Brewer's Blackbird	BRBL	Carcass Survey	11/16/2018	11/16/2018	Feather spot	3-6 days	No evidence of collision or singe.	Unknown		2	Heliostat	638500, 3936042	NA
2018_513_ISEGS	Unknown Swallow	UNSW	Carcass Survey	11/27/2018	11/27/2018	Broken up	3-6 days	All feathers curled or singed.	Scorched or singed	1	2	Powerblock	638613, 3935882	NA
2018_514_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	11/27/2018	11/27/2018	Feather spot	3-6 days	Curling to primary.	Scorched or singed	1	3	Powerblock	637445, 3937928	NA
2018_515_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	11/28/2018	11/28/2018	Feather spot	3-6 days	Singeing to retrix and body feathers.	Scorched or singed	Unk	1	Powerblock	640318, 3933475	NA
2018_516_ISEGS	Pine Siskin	PISI	Carcass Survey	11/28/2018	11/28/2018	Feather spot	3-6 days	Singe to primary.	Scorched or singed	1	1	Powerblock	640287, 3933537	NA
2018_517_ISEGS	Unidentified Small Bird	UNID	Carcass Survey	11/28/2018	11/28/2018	Feather spot	3-6 days	Curling to all flight feathers, singe to tips of body feathers.	Scorched or singed	Unk	1	Powerblock	640287, 3933536	NA

2018_518_ISEGS	American Kestrel	AMKE	Carcass Survey	11/28/2018	11/28/2018	Feather spot	2 weeks	Singe to all flight feathers.	Scorched or singed	1	1	Heliostat	640392, 3933644	NA
2018_519_ISEGS	Greater Roadrunner	GRRO	Incidental	11/30/2018	11/30/2018	Feather spot	3-6 days	No evidence of collision or singe.	Unknown		1	Perimeter Fence	639363, 3932730	NA
2018_520_ISEGS	Violet-green Swallow	VGSW	Carcass Survey	12/10/2018	12/10/2018	Dead, Semi-fresh (eyes desiccated, muscle tissue pliable, joint dexterity)	2 weeks	Singe on right side of face and at base of rectrices.	Scorched or singed	1	3	ACC Building	637524, 3937977	NA
2018_521_ISEGS	Yellow-rumped Warbler	YRWA	Carcass Survey	12/10/2018	12/10/2018	Broken up	3-6 days	Evidence of singe to coverts.	Scorched or singed	3	2	Powerblock	638627, 3935870	NA
2018_522_ISEGS	Ruby-crowned Kinglet	RCKI	Carcass Survey	12/10/2018	12/10/2018	Broken up	2 weeks	Curling to flight feathers, singe to body feathers.	Scorched or singed	2	3	Powerblock	637435, 3937960	NA
2018_523_ISEGS	Western Meadowlark	WEME	Carcass Survey	12/10/2018	12/10/2018	Feather spot	3-6 days	No evidence of collision or singe.	Unknown		3	Heliostat	637408, 3938094	NA