

Minnesota Power 2019 Wildlife Impact Report **For the Bison 1, 2, 3 & 4 Wind Facilities**

Bison 1 (PU-09-151), Bison 2 (PU-11-57), Bison 3 (PU-11-162), Bison 4 (PU-13-127)



A WIND ENERGY INITIATIVE OF MINNESOTA POWER IN NORTH DAKOTA



Minnesota Power 2018 Wildlife Impact Report

Contents

Minnesota Power 2019 Wildlife Incident Report. Pages 2-3

Figure 1- Bison 1, 2, 3 & 4 Project Area

Appendix A- Wildlife Impact Reports

Appendix B- Wildlife Inspection Table

Introduction

Throughout 2019 Minnesota Power (an operating division of ALLETE, Inc.) has been operating wind energy conversion facilities (Facilities) in west central North Dakota. As part of Minnesota Power's commitment to environmental stewardship and continual evaluation of facility impacts, regular wildlife inspections are performed at its Facilities throughout the year. The following is Minnesota Power's 2019 Annual Wildlife Impact Report which reviews the wildlife inspection results for the Bison 1, 2, 3 and 4 Facilities in North Dakota.

In 2019 Minnesota Power's Bison 1 (81.8 MW), Bison 2 (105 MW), Bison 3 (105 MW) and Bison 4 (204.8 MW) Facilities were all operational. The four Facilities combine for a total of 165 turbines. A Bison 1, 2, 3 & 4 Facility (Bison) map is included as Figure 1. This annual Wildlife Impact Report covers all Bison turbines and associated infrastructure.

This report has been developed for Minnesota Power's use and is distributed to personnel or agencies outlined in this report. The Minnesota Power 2019 Wildlife Impact Report is reviewed by Minnesota Power environmental staff, Bison Facility personnel and management. It is used to analyze potential avian or bat impacts to determine if adaptive management measures are required for either the entire Facility or individual Facility structures.

Minnesota Power provides copies of this report to the North Dakota Public Service Commission under each project Docket Number to be incorporated into their records. A Wildlife Impact Report is generated by January 15th of each year for the operational life of Minnesota Power's Bison Facilities.

Inspections/Data Collection

This 2019 Wildlife Impact Report includes data collected from all 165 operational turbines at the Bison Facility, as well as data collected from the Bison Operations and Maintenance (O&M) facility, the Bison and Tri-County Substations (substations) and four permanent meteorological (met) towers. Each turbine, O&M facility and substation are inspected for avian and bat mortality by ALLETE personnel or contractors, at a frequency of at least once per month. Some structures, such as the substations and O&M facility, were inspected at a higher frequency. When a carcass is found it is left at its location, photographed and a Bison Wildlife Impact Form is completed.

Each carcass's completed Bison Wildlife Impact Report Form and associated photos were entered into Minnesota Power's 2019 Wildlife Incident Database. Those results are summarized in this report. Individual fatality information can be found in the Bison Wildlife Impact Report Forms located in Appendix A. In addition, monthly inspection cycle results for 2019 are included in the Wildlife Inspection Table (Appendix B).

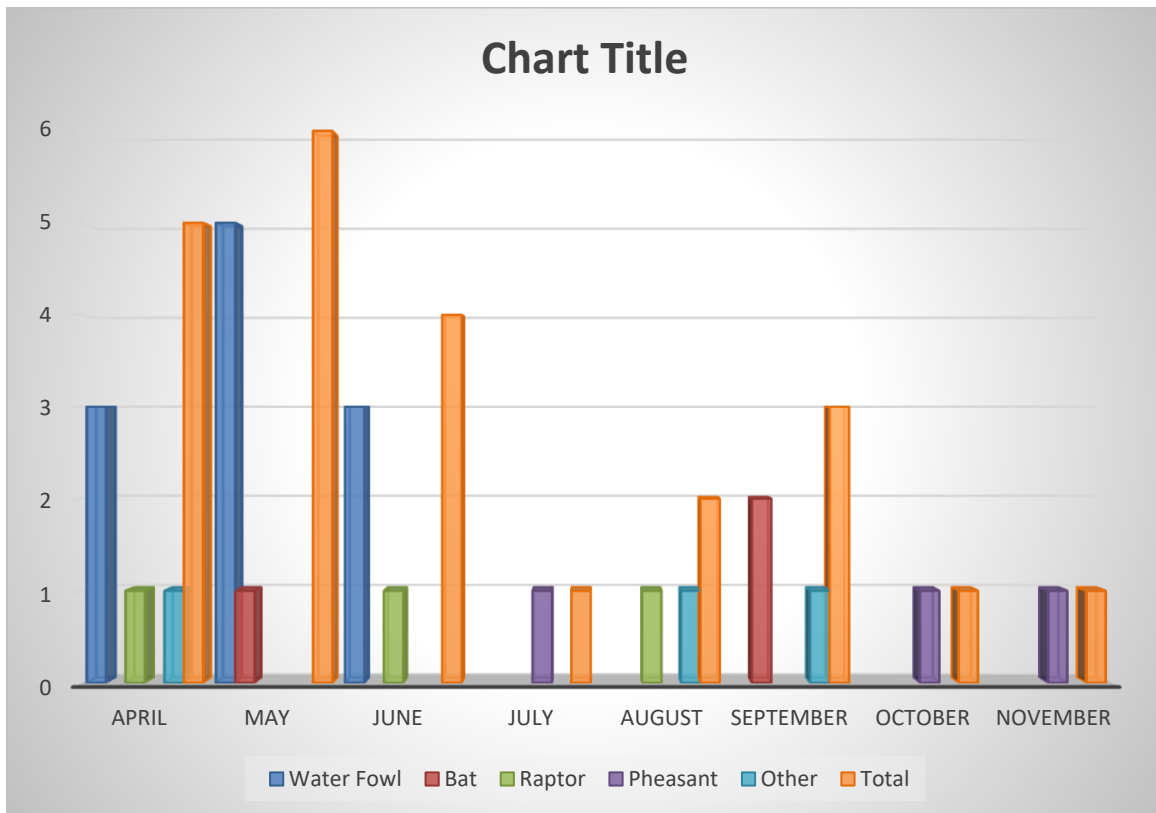
Minnesota Power 2018 Wildlife Impact Report

The total wildlife fatalities for 2019, totaled 23. Three bat fatalities recorded and 20 avian fatalities recorded. Specific data for each incident and species can be found in the Bison Wildlife Impact Reports (Appendix A).

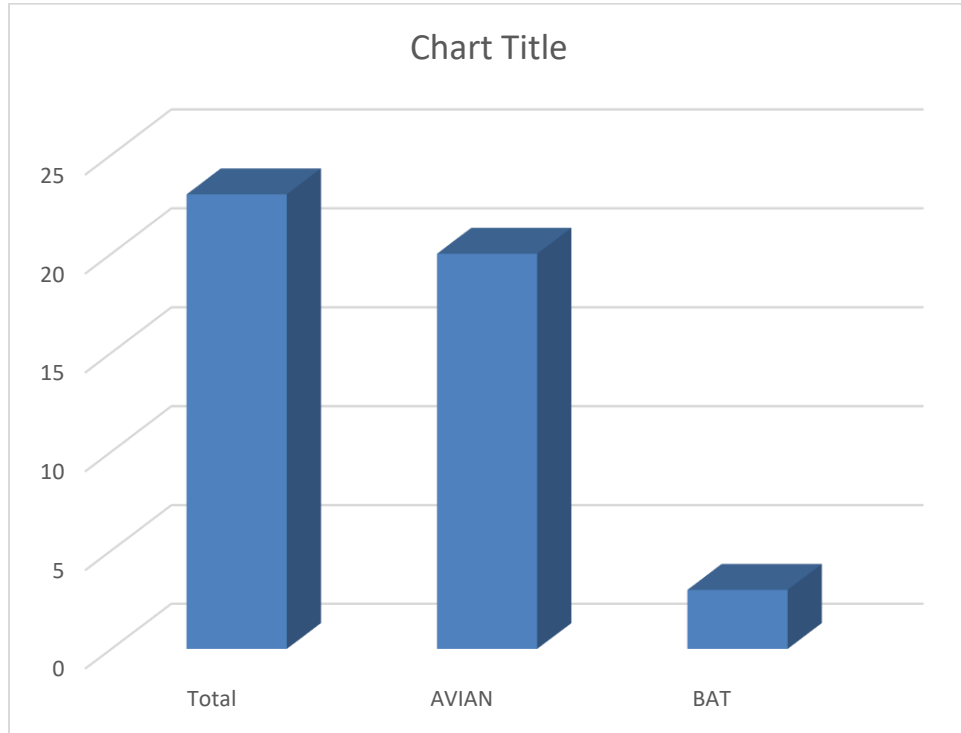
Results

After reviewing the inspection/fatalities records, no turbine, structure or location showed an elevated risk for avian or bat mortality when compared to surrounding Bison Facility structures. Mortality appears to be dispersed throughout the Bison Facility. Three bat carcasses were found; one in May and two in September 2019 which coincides with spring and fall migratory activity. Duck carcasses were more prevalent during spring migration, however an increase was not observed during fall migration when avian species are typically most vulnerable to collision. The 2019 results are as shown in Table 1-1 below.

Table 1-1:
2019 Avian and bat Carcasses Found at Minnesota Power’s Bison Facility



Minnesota Power 2019 Wildlife Impact Report



Based on the data available for Minnesota Power’s Bison Facilities, there is no conclusive evidence that would indicate additional adaptive management activities should occur. It appears, from the data provided, that the Bison Facility poses a low risk to surrounding and migrating avian and bat populations.

Figure 1

-Bison 1, 2, 3 & 4 Project Area

Minnesota Power Bison 1, 2, 3 & 4 Project Area

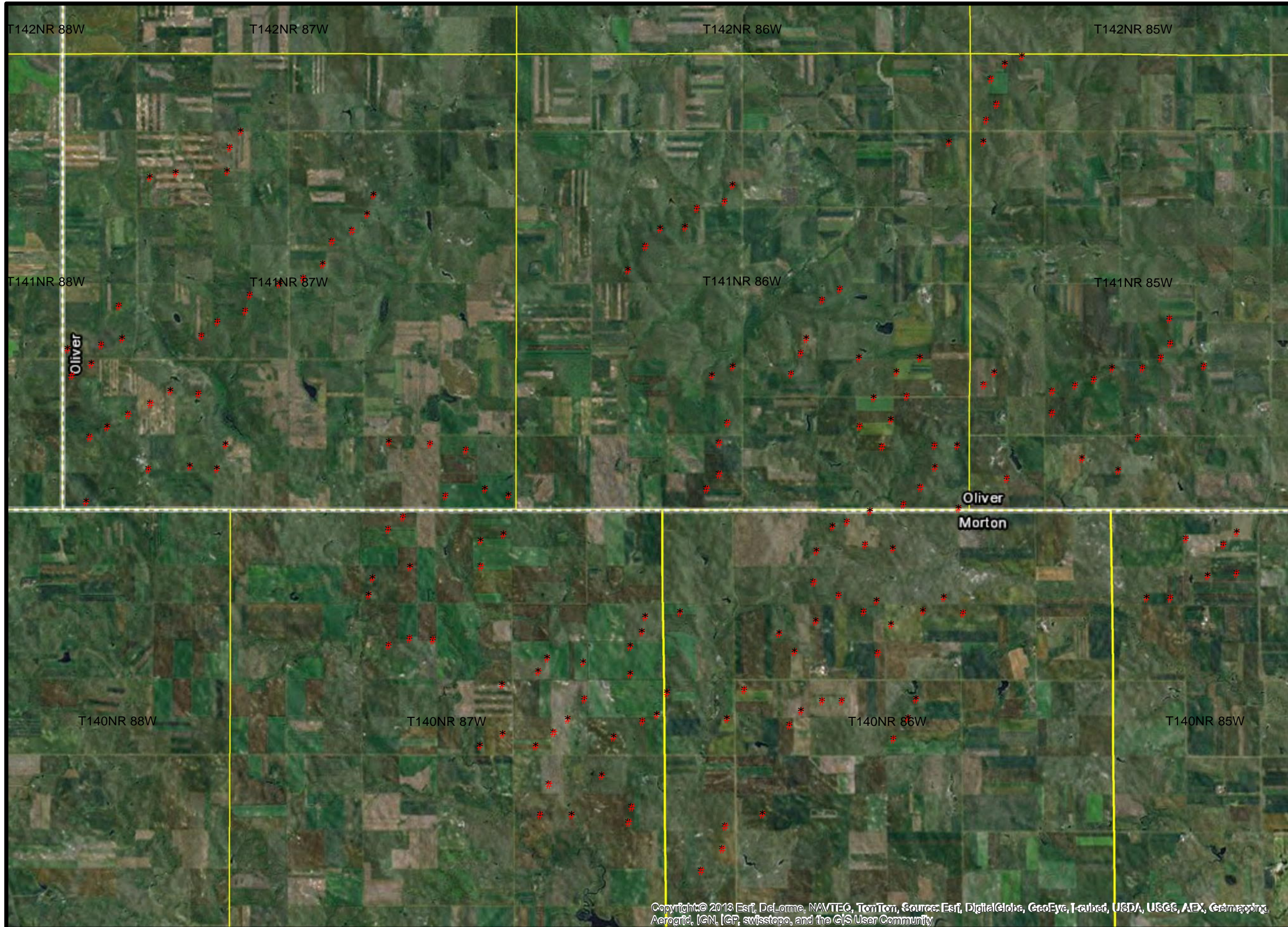


Figure 1

Legend

- * MP Bison Wind Turbines
- Townships

4

3

Miles



Appendix A

-Wildlife Impact Reports



ALLETE Wildlife Impact Report Form

<u>ALLETE Wind Facility Name</u>			
<u>Entry Number</u> 4-2019(1)	<u>Date:</u> 4/10/2019	<u>Time of Day</u> 1530	<u>Injury/Fatality</u> Fatality
<u>Notification Given to</u> 3200	<u>Date Notification Was Given</u> 4/10/2019	<u>Structure #</u> 430	<u>Latitude/Longitude</u> 47.038381 -101.586874
<u>Location Remarks:</u> Normal			
<u>Physical Condition:</u> Complete	<u>Estimated Time Since Death:</u> 3 Days	<u>Estimated Date of Injury:</u> 4/7/2019	<u>Name of Respondent:</u> Brant Nettleton (ARR)
<u>Other Notes:</u>			

ELM Follow up/Confirmation

<u>Date:</u> 4/11/2019	<u>Perillon Entry Date:</u> 4/11/2019	<u>Responding ELM staff:</u> Zach Golkowski
<u>Species Confirmation:</u> Drake, Mallard	<u>Threatened or Endangered:</u> NO	<u>Agencies contacted:</u> None
<u>Action Items:</u> None	<u>Carcass Preservation actions:</u> Leave it as it lays	<u>Other Notes:</u>

Pictures and attachments

Uncontrolled Document When Printed. Check EMS [SharePoint](#) for current version.



ALLETE Wildlife Impact Report Form

<u>ALLETE Wind Facility Name</u>			
<u>Entry Number</u> 4-2019(2)	<u>Date:</u> 4/22/2019	<u>Time of Day</u> 1400	<u>Injury/Fatality</u> Fatality
<u>Notification Given to</u> 3200	<u>Date Notification Was Given</u> 4/22/2019	<u>Structure #</u> 204	<u>Latitude/Longitude</u> 47.003677 -101.487580
<u>Location Remarks:</u> Found inside tower on upper deck.			
<u>Physical Condition:</u> Intact.	<u>Estimated Time Since Death:</u> Unknown	<u>Estimated Date of Injury:</u> Unknown	<u>Name of Respondent:</u> Ben Reister
<u>Other Notes:</u>			

ELM Follow up/Confirmation

<u>Date:</u> 5/6/2019	<u>Perillon Entry Date:</u> 5/6/2019	<u>Responding ELM staff:</u> Zach Golkowski
<u>Species Confirmation:</u> Swallow	<u>Threatened or Endangered:</u> NO	<u>Agencies contacted:</u> None
<u>Action Items:</u> None	<u>Carcass Preservation actions:</u> None	<u>Other Notes:</u>

Pictures and attachments



ALLETE Wildlife Impact Report Form

<u>ALLETE Wind Facility Name</u>			
<u>Entry Number</u> 4-2019(3)	<u>Date:</u> 4/26/2019	<u>Time of Day</u> 10:00	<u>Injury/Fatality</u> Fatality
<u>Notification Given to</u> 1030	<u>Date Notification Was Given</u> 4/26/2019	<u>Structure #</u> 14	<u>Latitude/Longitude</u> 46.9747743214 -101.539835063 (Tower 14 lats)
<u>Location Remarks:</u> 150' east of tower on the access road.			
<u>Physical Condition:</u> Decaying	<u>Estimated Time Since Death:</u> 1 days	<u>Estimated Date of Injury:</u> 1 days	<u>Name of Respondent:</u> Philip Miller
<u>Other Notes:</u>			

ELM Follow up/Confirmation

<u>Date:</u> 07-26-2019	<u>Perillon Entry Date:</u> 07-26-2019	<u>Responding ELM staff:</u> Drew Janke
<u>Species Confirmation:</u> Mallard (hen)	<u>Threatened or Endangered:</u> No	<u>Agencies contacted:</u> None
<u>Action Items:</u> None	<u>Carcass Preservation actions:</u> None	<u>Other Notes:</u>

Pictures and attachments

Uncontrolled Document When Printed. Check EMS [SharePoint](#) for current version.



ALLETE Wildlife Impact Report Form

<u>ALLETE Wind Facility Name</u>			
<u>Entry Number</u> 4-2019(4)	<u>Date:</u> 4/26/2019	<u>Time of Day</u> 15:00	<u>Injury/Fatality</u> Fatality
<u>Notification Given to</u> x3200	<u>Date Notification Was Given</u> 4/26/2019	<u>Structure #</u> 15	<u>Latitude/Longitude</u> 46.99427 / -101.53501
<u>Location Remarks:</u> 100' east of tower near the access road.			
<u>Physical Condition:</u> Decaying	<u>Estimated Time Since Death:</u> Unknown	<u>Estimated Date of Injury:</u> Unknown	<u>Name of Respondent:</u> Ben Reister
<u>Other Notes:</u>			

ELM Follow up/Confirmation

<u>Date:</u> 5/6/2019	<u>Perillon Entry Date:</u> 5/6/2019	<u>Responding ELM staff:</u> Zach Golkowski
<u>Species Confirmation:</u> Immature raptor	<u>Threatened or Endangered:</u> No	<u>Agencies contacted:</u> None
<u>Action Items:</u> None	<u>Carcass Preservation actions:</u> None	<u>Other Notes:</u>

Pictures and attachments

Uncontrolled Document When Printed. Check EMS [SharePoint](#) for current version.



ALLETE Wildlife Impact Report Form

<u>ALLETE Wind Facility Name</u>			
<u>Entry Number</u> 4-2019(5)	<u>Date:</u> 4/30/2019	<u>Time of Day</u> 1630	<u>Injury/Fatality</u> Fatality
<u>Notification Given to</u> 3200	<u>Date Notification Was Given</u> 4/30/2019	<u>Structure #</u> 437	<u>Latitude/Longitude</u> 46.992360 -101.718767
<u>Location Remarks:</u> Normal			
<u>Physical Condition:</u> Complete	<u>Estimated Time Since Death:</u> 1 week	<u>Estimated Date of Injury:</u> 4/21/2019	<u>Name of Respondent:</u> Brant Nettleton (ARR)
<u>Other Notes:</u>			

ELM Follow up/Confirmation

<u>Date:</u> 5/6/2019	<u>Perillon Entry Date:</u> 5/6/2019	<u>Responding ELM staff:</u> Zach Golkowski
<u>Species Confirmation:</u> Drake Mallard	<u>Threatened or Endangered:</u> No	<u>Agencies contacted:</u> None
<u>Action Items:</u> None	<u>Carcass Preservation actions:</u> None	<u>Other Notes:</u>

Pictures and attachments



ALLETE Wildlife Impact Report Form

<u>ALLETE Wind Facility Name</u>			
<u>Entry Number</u> 5-2019(1)	<u>Date:</u> 5-2-2019	<u>Time of Day</u> 10:30	<u>Injury/Fatality</u> Fatal
<u>Notification Given to</u> 3200	<u>Date Notification Was Given</u> 5-2-2019	<u>Structure #</u> 326	<u>Latitude/Longitude</u> 6.9776929739 /-101.673214022
<u>Location Remarks:</u> Found 25' north west of tower.			
<u>Physical Condition:</u>	<u>Estimated Time Since Death:</u> 1 day	<u>Estimated Date of Injury:</u> 1 day	<u>Name of Respondent:</u> Philip Miller
<u>Other Notes:</u>			

ELM Follow up/Confirmation

<u>Date:</u> 5/6/2019	<u>Perillon Entry Date:</u> 5/6/2019	<u>Responding ELM staff:</u> Zach Golkowski
<u>Species Confirmation:</u> Drake Mallard	<u>Threatened or Endangered:</u> No	<u>Agencies contacted:</u> None
<u>Action Items:</u> None	<u>Carcass Preservation actions:</u> None	<u>Other Notes:</u>

Pictures and attachments

Uncontrolled Document When Printed. Check EMS [SharePoint](#) for current version.



ALLETE Wildlife Impact Report Form

<u>ALLETE Wind Facility Name</u>			
<u>Entry Number</u> 5-2019(2)	<u>Date:</u> 5-3-2019	<u>Time of Day</u> 14:30	<u>Injury/Fatality</u> Fatal
<u>Notification Given to</u> 3200	<u>Date Notification Was Given</u> 5-3-2019	<u>Structure #</u> 235	<u>Latitude/Longitude</u> 46.9619330268/-101.591583
<u>Location Remarks:</u> Found 50 yards south west of tower on turbine road.			
<u>Physical Condition:</u>	<u>Estimated Time Since Death:</u> 2 day	<u>Estimated Date of Injury:</u> 2 day	<u>Name of Respondent:</u> Mitchell Bettenhausen
<u>Other Notes:</u>			

ELM Follow up/Confirmation

<u>Date:</u> 5/6/2019	<u>Perillon Entry Date:</u> 5/6/2019	<u>Responding ELM staff:</u> Zach Golkowski
<u>Species Confirmation:</u> Mallard	<u>Threatened or Endangered:</u> No	<u>Agencies contacted:</u> None
<u>Action Items:</u> None	<u>Carcass Preservation actions:</u> No preservation needed	<u>Other Notes:</u>

Pictures and attachments

Uncontrolled Document When Printed. Check EMS [SharePoint](#) for current version.



ALLETE Wildlife Impact Report Form

<u>ALLETE Wind Facility Name</u>			
<u>Entry Number</u> 5-2019(3)	<u>Date:</u> 5-6-2019	<u>Time of Day</u> 1330	<u>Injury/Fatality</u> Fatal
<u>Notification Given to</u> 3200	<u>Date Notification Was Given</u> 5-8-2019	<u>Structure #</u> 425	<u>Latitude/Longitude</u> 47.0226122642/-101.54684198
<u>Location Remarks:</u> Found 50 yards south west of tower on turbine road.			
<u>Physical Condition:</u> Intact	<u>Estimated Time Since Death:</u> 1 day	<u>Estimated Date of Injury:</u> 1 day	<u>Name of Respondent:</u> Jason Dittus
<u>Other Notes:</u>			

ELM Follow up/Confirmation

<u>Date:</u> 05-09-2019	<u>Perillon Entry Date:</u> 05-10-2019	<u>Responding ELM staff:</u> Zach Golkowski
<u>Species Confirmation:</u> Mallard	<u>Threatened or Endangered:</u> No	<u>Agencies contacted:</u> None
<u>Action Items:</u> None	<u>Carcass Preservation actions:</u> None	<u>Other Notes:</u>

Pictures and attachments



ALLETE Wildlife Impact Report Form

<u>ALLETE Wind Facility Name</u>			
<u>Entry Number</u> 5-2019(4)	<u>Date:</u> 5-6-2019	<u>Time of Day</u> 1700	<u>Injury/Fatality</u> Fatal
<u>Notification Given to</u> 3200	<u>Date Notification Was Given</u> 5-8-2019	<u>Structure #</u> 208	<u>Latitude/Longitude</u> 46.9449620385/-101.525641022
<u>Location Remarks:</u> Found 50 yards south west of tower on turbine road.			
<u>Physical Condition:</u> Intact	<u>Estimated Time Since Death:</u> 10 days	<u>Estimated Date of Injury:</u> 10 days	<u>Name of Respondent:</u> Jason Dittus
<u>Other Notes:</u>			

ELM Follow up/Confirmation

<u>Date:</u> 05-09-2019	<u>Perillon Entry Date:</u> 05-10-2019	<u>Responding ELM staff:</u> Zach Golkowski
<u>Species Confirmation:</u> Northern Pintail (Drake)	<u>Threatened or Endangered:</u> No	<u>Agencies contacted:</u> None
<u>Action Items:</u> None	<u>Carcass Preservation actions:</u> None	<u>Other Notes:</u>

Pictures and attachments



ALLETE Wildlife Impact Report Form

<u>ALLETE Wind Facility Name</u>			
<u>Entry Number</u> 5-2019(5)	<u>Date:</u> 5-9-2019	<u>Time of Day</u> 1430	<u>Injury/Fatality</u> Fatal
<u>Notification Given to</u> 3200	<u>Date Notification Was Given</u> 5-9-2019	<u>Structure #</u> O&M building	<u>Latitude/Longitude</u> 46.97997 / -101.55469
<u>Location Remarks:</u> Found in parking lot south of warehouse.			
<u>Physical Condition:</u> Deceased.	<u>Estimated Time Since Death:</u> Unknown	<u>Estimated Date of Injury:</u> Unknown	<u>Name of Respondent:</u> Ben Reister
<u>Other Notes:</u>			

ELM Follow up/Confirmation

<u>Date:</u> 05-10-2019	<u>Perillon Entry Date:</u> 05-10-2019	<u>Responding ELM staff:</u> Zach Golkowski
<u>Species Confirmation:</u> Big Brown Bat	<u>Threatened or Endangered:</u> No	<u>Agencies contacted:</u> None
<u>Action Items:</u> None	<u>Carcass Preservation actions:</u> None	<u>Other Notes:</u>



ALLETE Wildlife Impact Report Form

<u>ALLETE Wind Facility Name</u>			
<u>Entry Number</u> 5-2019(6)	<u>Date:</u> 5-21-2019	<u>Time of Day</u> 13:30	<u>Injury/Fatality</u> Fatal
<u>Notification Given to</u> 3200	<u>Date Notification Was Given</u> 5-21-2019	<u>Structure #</u> 327	<u>Latitude/Longitude</u> 46.9797062468/-101.669100559
<u>Location Remarks:</u> Found 40 yards west of tower on turbine road.			
<u>Physical Condition:</u> Deceased	<u>Estimated Time Since Death:</u> 2 day	<u>Estimated Date of Injury:</u> 2 day	<u>Name of Respondent:</u> Mitchell Bettenhausen
<u>Other Notes:</u>			

ELM Follow up/Confirmation

<u>Date:</u> 5/24/2019	<u>Perillon Entry Date:</u> 5/24/2019	<u>Responding ELM staff:</u> Zach Golkowski
<u>Species Confirmation:</u> Drake Mallard	<u>Threatened or Endangered:</u> NO	<u>Agencies contacted:</u> None
<u>Action Items:</u> None	<u>Carcass Preservation actions:</u> None	<u>Other Notes:</u>

Pictures and attachments

Uncontrolled Document When Printed. Check EMS [SharePoint](#) for current version.



ALLETE Wildlife Impact Report Form

<u>ALLETE Wind Facility Name</u>		Bison	
<u>Entry Number</u> 6-2019(1)	<u>Date:</u> 6-5-2019	<u>Time of Day</u> 15:30	<u>Injury/Fatality</u> Fatal
<u>Notification Given to</u> 3200	<u>Date Notification Was Given</u> 6-7-2019	<u>Structure #</u> 310	<u>Latitude/Longitude</u> 46.9361689579 /-101.632029947
<u>Location Remarks:</u> Found right next to the stairs on 310			
<u>Physical Condition:</u> Deceased	<u>Estimated Time Since Death:</u> 2 day	<u>Estimated Date of Injury:</u> 2 day	<u>Name of Respondent:</u> Mitchell Bettenhausen
<u>Other Notes:</u>			

ELM Follow up/Confirmation

<u>Date:</u> 06-07-2019	<u>Perillon Entry Date:</u> 06-07-2019	<u>Responding ELM staff:</u> Drew Janke
<u>Species Confirmation:</u> Red-Tailed Hawk	<u>Threatened or Endangered:</u> No	<u>Agencies contacted:</u> None
<u>Action Items:</u> None	<u>Carcass Preservation actions:</u> None	<u>Other Notes:</u>

Pictures and attachments

Uncontrolled Document When Printed. Check EMS [SharePoint](#) for current version.



ALLETE Wildlife Impact Report Form

<u>ALLETE Wind Facility Name</u>			
<u>Entry Number</u> 6-2019(2)	<u>Date:</u> 6-10-2019	<u>Time of Day</u> 12:00	<u>Injury/Fatality</u> Fatal
<u>Notification Given to</u> 3200	<u>Date Notification Was Given</u> 6-11-2019	<u>Structure #</u> 224	<u>Latitude/Longitude</u> 46.9214959753/101.605897936
Found 10 yards south of the tower.			
<u>Physical Condition:</u> Deceased	<u>Estimated Time Since Death:</u> 3 day	<u>Estimated Date of Injury:</u> 3 day	<u>Name of Respondent:</u> Mitchell Bettenhausen
<u>Other Notes:</u>			

ELM Follow up/Confirmation

<u>Date:</u> 07-26-2019	<u>Perillon Entry Date:</u> 07-26-2019	<u>Responding ELM staff:</u> Drew Janke
<u>Species Confirmation:</u> Mallard (Hen)	<u>Threatened or Endangered:</u> No	<u>Agencies contacted:</u> None
<u>Action Items:</u> None	<u>Carcass Preservation actions:</u> None	<u>Other Notes:</u>

Pictures and attachments

Uncontrolled Document When Printed. Check EMS [SharePoint](#) for current version.



ALLETE Wildlife Impact Report Form

<u>ALLETE Wind Facility Name</u>			
<u>Entry Number</u> 6-2019(3)	<u>Date:</u> 6-11-2019	<u>Time of Day</u> 09:00	<u>Injury/Fatality</u> Fatal
<u>Notification Given to</u> 3200	<u>Date Notification Was Given</u> 6-12-2019	<u>Structure #</u> 31	<u>Latitude/Longitude</u> 46.962110 -101.523645
Found 10 yards southeast of the tower.			
<u>Physical Condition:</u> Deceased	<u>Estimated Time Since Death:</u> 3 day	<u>Estimated Date of Injury:</u> 3 day	<u>Name of Respondent:</u> Thomas Friesz
<u>Other Notes:</u>			

ELM Follow up/Confirmation

<u>Date:</u> 06-12-2019	<u>Perillon Entry Date:</u> 06-12-2019	<u>Responding ELM staff:</u> Drew Janke
<u>Species Confirmation:</u> Mallard	<u>Threatened or Endangered:</u> No	<u>Agencies contacted:</u> None
<u>Action Items:</u> None	<u>Carcass Preservation actions:</u> No preservation required	<u>Other Notes:</u>

Pictures and attachments

Uncontrolled Document When Printed. Check EMS [SharePoint](#) for current version.



ALLETE Wildlife Impact Report Form

<u>ALLETE Wind Facility Name</u>			
<u>Entry Number</u> 6-2019(4)	<u>Date:</u> 6-26-2019	<u>Time of Day</u> 12:00	<u>Injury/Fatality</u> Fatal
<u>Notification Given to</u> 3200	<u>Date Notification Was Given</u> 6-27-2019	<u>Structure #</u> 20	<u>Latitude/Longitude</u> 47.003671 -101.537430
Found 280ft on top of the tower nacelle.			
<u>Physical Condition:</u> Deceased	<u>Estimated Time Since Death:</u> 3 day	<u>Estimated Date of Injury:</u> 3 day	<u>Name of Respondent:</u> Thomas Friesz
<u>Other Notes:</u>			

ELM Follow up/Confirmation

<u>Date:</u> 6/27/2019	<u>Perillon Entry Date:</u> 6/27/2019	<u>Responding ELM staff:</u> Zach Golkowski
<u>Species Confirmation:</u> Mallard Duck	<u>Threatened or Endangered:</u> No	<u>Agencies contacted:</u> None
<u>Action Items:</u> None.....	<u>Carcass Preservation actions:</u> None	<u>Other Notes:</u>

Pictures and attachments



ALLETE Wildlife Impact Report Form

<u>ALLETE Wind Facility Name</u>			
<u>Entry Number</u> 7-2019(1)	<u>Date:</u> 7/10/219	<u>Time of Day</u> 11:30	<u>Injury/Fatality</u> Fatality
<u>Notification Given to</u> 3200	<u>Date Notification Was Given</u> 7/10/2019	<u>Structure #</u> 405	<u>Latitude/Longitude</u>
<u>Location Remarks:</u>			
<u>Physical Condition:</u>	<u>Estimated Time Since Death:</u> 1 week	<u>Estimated Date of Injury:</u> 1 week	<u>Name of Respondent:</u> Ryan Zachmeier (ARR)
<u>Other Notes:</u>			

ELM Follow up/Confirmation

<u>Date:</u> 07/26/2019	<u>Perillon Entry Date:</u> 07/26/2019	<u>Responding ELM staff:</u> Drew Janke
<u>Species Confirmation:</u> Pheasant (Hen)	<u>Threatened or Endangered:</u> No	<u>Agencies contacted:</u> None
<u>Action Items:</u> None	<u>Carcass Preservation actions:</u> None	<u>Other Notes:</u>

Pictures and attachments

Uncontrolled Document When Printed. Check EMS [SharePoint](#) for current version.



ALLETE Wildlife Impact Report Form

<u>ALLETE Wind Facility Name</u>			
<u>Entry Number</u> 8-2019(1)	<u>Date:</u> 8-19-2019	<u>Time of Day</u> 11:00	<u>Injury/Fatality</u> Fatality
<u>Notification Given to</u> 3200//Ben Reister	<u>Date Notification Was Given</u> 8/19/2019	<u>Structure #</u> 214	<u>Latitude/Longitude</u> 46.940073 -101.560984
<u>Location Remarks:</u> Found 50'ish West of tower 214			
<u>Physical Condition:</u> fresh	<u>Estimated Time Since Death:</u> 1 day	<u>Estimated Date of Injury:</u> 1 day	<u>Name of Respondent:</u> Philip Miller (ARR)
<u>Other Notes:</u>			

ELM Follow up/Confirmation

<u>Date:</u> 08-19-2019	<u>Perillon Entry Date:</u> 08-19-2019	<u>Responding ELM staff:</u> Zach Golkowski
<u>Species Confirmation:</u> Swainsons Hawk	<u>Threatened or Endangered:</u> No	<u>Agencies contacted:</u> None
<u>Action Items:</u> Leave carcass as is unless it is deemed a hazard to health or environment	<u>Carcass Preservation actions:</u> None	<u>Other Notes:</u>

Pictures and attachments



ALLETE Wildlife Impact Report Form

<u>ALLETE Wind Facility Name</u>			
<u>Entry Number</u> 8-2019(2)	<u>Date:</u> 8/30/2019	<u>Time of Day</u> 1500	<u>Injury/Fatality</u> Fatality
<u>Notification Given to</u> 3200	<u>Date Notification Was Given</u> 8/29/2019	<u>Structure #</u> 315	<u>Latitude/Longitude</u> 46.9525040294/-101.618702004
<u>Location Remarks:</u> 50 Feet SW of the tower			
<u>Physical Condition:</u> Decaying	<u>Estimated Time Since Death:</u> 1 week	<u>Estimated Date of Injury:</u> 1 week	<u>Name of Respondent:</u> Andrew Horst (ARR)
<u>Other Notes:</u>			

ELM Follow up/Confirmation

<u>Date:</u> 10-01-2019	<u>Perillon Entry Date:</u> 10-01-2019	<u>Responding ELM staff:</u> Drew Janke
<u>Species Confirmation:</u> Unidentifiable Upland Gamebird	<u>Threatened or Endangered:</u> N/A	<u>Agencies contacted:</u> None
<u>Action Items:</u> None	<u>Carcass Preservation actions:</u> None	<u>Other Notes:</u>

Pictures and attachments



ALLETE Wildlife Impact Report Form

<u>ALLETE Wind Facility Name</u>			
<u>Entry Number</u> 9-2019(1)	<u>Date:</u> 9/16/2019	<u>Time of Day</u> 1530	<u>Injury/Fatality</u> Fatality
<u>Notification Given to</u> 3200	<u>Date Notification Was Given</u> 9/16/2019	<u>Structure #</u> 435	<u>Latitude/Longitude</u> 46.989829 -101.728719
<u>Location Remarks:</u> 20 Feet E of the tower			
<u>Physical Condition:</u> Decaying	<u>Estimated Time Since Death:</u> 2 days	<u>Estimated Date of Injury:</u>	<u>Name of Respondent:</u> Thomas Friesz (ARR)
<u>Other Notes:</u>			

ELM Follow up/Confirmation

<u>Date:</u> 9/17/2019	<u>Perillon Entry Date:</u> 9/17/2019	<u>Responding ELM staff:</u> Zach Golkowski
<u>Species Confirmation:</u> Little Brown bat or Silver haired bat	<u>Threatened or Endangered:</u> No	<u>Agencies contacted:</u> None
<u>Action Items:</u> None	<u>Carcass Preservation actions:</u> No carcass preservation	<u>Other Notes:</u>

Pictures and attachments



ALLETE Wildlife Impact Report Form

<u>ALLETE Wind Facility Name</u>			
<u>Entry Number</u> 9-2019(2)	<u>Date:</u> 9/24/2019	<u>Time of Day</u> 1500	<u>Injury/Fatality</u> Fatality
<u>Notification Given to</u> 3200	<u>Date Notification Was Given</u> 9/24/2019	<u>Structure #</u> 435	<u>Latitude/Longitude</u> 46.989273 -101.721070
<u>Location Remarks:</u> Tower stairs.			
<u>Physical Condition:</u> Decaying	<u>Estimated Time Since Death:</u> 1 week	<u>Estimated Date of Injury:</u> 1 week	<u>Name of Respondent:</u> Thomas Friesz (ARR)
<u>Other Notes:</u>			

ELM Follow up/Confirmation

<u>Date:</u> 09-30-2019	<u>Perillon Entry Date:</u> 10-01-2019	<u>Responding ELM staff:</u> Drew Janke
<u>Species Confirmation:</u> Unidentifiable Bat	<u>Threatened or Endangered:</u> Unknown	<u>Agencies contacted:</u> None
<u>Action Items:</u> None	<u>Carcass Preservation actions:</u> None	<u>Other Notes:</u> Due to the decaying nature of the bat carcass, accurate species identification not possible.

Pictures and attachments



ALLETE Wildlife Impact Report Form

<u>ALLETE Wind Facility Name</u>			
<u>Entry Number</u> 9-2019(3)	<u>Date:</u> 9/24/2019	<u>Time of Day</u> 0900	<u>Injury/Fatality</u> Fatality
<u>Notification Given to</u> 3200	<u>Date Notification Was Given</u> 9/25/2019	<u>Structure #</u> 439	<u>Latitude/Longitude</u> 47.025097 -101.696846
<u>Location Remarks:</u> Inside wind tower on mid deck behind ladder.			
<u>Physical Condition:</u> Deceased	<u>Estimated Time Since Death:</u> 1 week	<u>Estimated Date of Injury:</u> 1 week	<u>Name of Respondent:</u> Elliot Wilkens
<u>Other Notes:</u>			

ELM Follow up/Confirmation

<u>Date:</u> 10-01-2019	<u>Perillon Entry Date:</u> 10-01-2019	<u>Responding ELM staff:</u> Drew Janke
<u>Species Confirmation:</u> Barn Swallow	<u>Threatened or Endangered:</u> No	<u>Agencies contacted:</u> None
<u>Action Items:</u> None	<u>Carcass Preservation actions:</u> None	<u>Other Notes:</u>

Pictures and attachments



ALLETE Wildlife Impact Report Form

<u>ALLETE Wind Facility Name</u>			
<u>Entry Number</u> 10-2019(1)	<u>Date:</u> 10/29/2019	<u>Time of Day</u> 1530	<u>Injury/Fatality</u> Fatality
<u>Notification Given to</u> 3200	<u>Date Notification Was Given</u> 11/7/2019	<u>Structure #</u> 25	<u>Latitude/Longitude</u> 47.009553 -101.524428
<u>Location Remarks:</u> 5 Feet SE of the tower			
<u>Physical Condition:</u> Decaying	<u>Estimated Time Since Death:</u> 1 Day	<u>Estimated Date of Injury:</u> 1 Day	<u>Name of Respondent:</u> Brant Nettleton
<u>Other Notes:</u>			

ELM Follow up/Confirmation

<u>Date:</u>	<u>Perillon Entry Date:</u>	<u>Responding ELM staff:</u>
<u>Species Confirmation:</u>	<u>Threatened or Endangered:</u>	<u>Agencies contacted:</u>
<u>Action Items:</u>	<u>Carcass Preservation actions:</u>	<u>Other Notes:</u>

Pictures and attachments



ALLETE Wildlife Impact Report Form

<u>ALLETE Wind Facility Name</u>			
<u>Entry Number</u> 11-2019(1)	<u>Date:</u> 11/4/2019	<u>Time of Day</u> 1130	<u>Injury/Fatality</u> Fatality
<u>Notification Given to</u> 3200	<u>Date Notification Was Given</u> 11/7/2019	<u>Structure #</u> 311	<u>Latitude/Longitude</u> 46.938681 -101.626798
<u>Location Remarks:</u> 5 Feet west of the tower next to transformer			
<u>Physical Condition:</u> Decaying/Eaten	<u>Estimated Time Since Death:</u> 5 Day	<u>Estimated Date of Injury:</u> 10/30/2019	<u>Name of Respondent:</u> Brant Nettleton
<u>Other Notes:</u>			

ELM Follow up/Confirmation

<u>Date:</u>	<u>Perillon Entry Date:</u>	<u>Responding ELM staff:</u>
<u>Species Confirmation:</u>	<u>Threatened or Endangered:</u>	<u>Agencies contacted:</u>
<u>Action Items:</u>	<u>Carcass Preservation actions:</u>	<u>Other Notes:</u>

Pictures and attachments

Appendix B

-Wildlife Inspection Table

Appendix B

-Wildlife Inspection Table

