



## ODFW LIVESTOCK DEPREDATION INVESTIGATION REPORTS July - September 2022

This document lists livestock depredation investigations completed by the Oregon Department of Fish and Wildlife since July 1, 2022. Investigations are done at the request of the owner of injured or dead livestock when they suspect wolf depredation. The goal of these investigations is to determine if the livestock was injured or killed by a wolf or wolves. The goal is not to determine the cause of death, as in some cases that could require a veterinary pathologist (e.g., illness, injury, age, poisonous plants).

In some counties in Oregon, USDA Wildlife Services assists ODFW when wolves are suspected and is the lead agency to investigate when other predators such as coyotes, bear, or cougar are suspected. In some counties, Sheriff's office deputies also attend investigations. ODFW needs to make the determination for lethal removal of chronically depredating wolves to be considered or if the livestock producer wants financial compensation from the Oregon Department of Agriculture.

There is information about methods to minimize conflict at [https://www.dfw.state.or.us/Wolves/non-lethal\\_methods.asp](https://www.dfw.state.or.us/Wolves/non-lethal_methods.asp). The investigation determination criteria and previous investigations are listed at [https://www.dfw.state.or.us/Wolves/depredation\\_investigations.asp](https://www.dfw.state.or.us/Wolves/depredation_investigations.asp). Additional information about Oregon wolves and answers to frequently asked questions are provided at [www.odfw.com/wolves](http://www.odfw.com/wolves).

### September 26, 2022 – Union County B (Palmer Junction area)

**Date Investigated:** 9/26/22

**Cause of death/injury:** Confirmed

**General situation and animal information:** On 9/24/22, a herder found an 80 lb. dead lamb in a private commercial timber land allotment. Hide and tissue was missing from the hindquarters, but the carcass was otherwise intact. It was estimated that the sheep died approximately 72 hours prior to the investigation.

**Physical evidence and summary of findings:** There were four pre-mortem tooth punctures measuring up to ¼ inch diameter and a ¾ inch long bite scrape on the neck with underlying trauma up to an inch deep. These injuries are consistent with wolf attacks on lambs. This depredation is attributed to the Balloon Tree Pack.

### September 26, 2022 – Union County A (Palmer Junction area)

**Date Investigated:** 9/26/22

**Cause of death/injury:** Probable

**General situation and animal information:** On the evening of 9/23/22, a herder found the skull and a large portion of the hide from a dead sheep in a private commercial timber land allotment. It was estimated that the sheep died less than 24 hours prior to being found.

**Physical evidence and summary of findings:** There were four pre-mortem tooth channels on the hide measuring up to ¼ inch wide and one inch long, indicating the sheep was attacked by a large predator. Given evidence on the hide, at the scene, and recent confirmed depredations in this area by wolves, the

determination of this investigation is “probable”. The probable depredation is attributed to the Balloon Tree Pack.

### **September 23, 2022 – Umatilla County (Meacham area)**

**Date Investigated:** 9/23/22

**Cause of death/injury:** Confirmed

**General situation and animal information:** On 9/23/22, a livestock producer found the carcass of an approximately 600 lb, eight-month-old calf in a 4,000-acre private land pasture. The carcass was partially consumed. It was estimated that the calf died less than 24 hours prior to the investigation.

**Physical evidence and summary of findings:** There were more than 60 pre-mortem bite scrapes measuring up to three inches long and 1/4 inch-wide with underlying tissue trauma up to 3/4 inches deep on both hind legs above the hocks. There were more than 30 additional pre-mortem bite scrapes on the elbows and flanks of the calf. The severity, size, and locations of these wounds are consistent with injuries to calves attacked by wolves. This depredation is attributed to wolves of the Horseshoe Pack.

### **September 22, 2022 – Union County (Balloon Tree area)**

**Date Investigated:** 9/22/22

**Cause of death/injury:** Possible/Unknown

**General situation and animal information:** On 9/21/22, a herder found the carcass of a dead sheep in a private commercial timber land pasture. At the time of the investigation, all that remained of the carcass was a six-inch by eight-inch piece of hide and rumen contents.

**Physical evidence and summary of findings:** There was insufficient evidence present at the scene or on the carcass remains to determine whether the sheep had been killed by a predator. The determination of this investigation is “Possible/Unknown”.

### **September 20, 2022 – Union County (Balloon Tree area)**

**Date Investigated:** 9/20/22

**Cause of death/injury:** Confirmed

**General situation and animal information:** On 9/20/22, a herder found the intact carcass of a 110 lb. dead sheep in a private commercial timber land pasture. It was estimated that the sheep died less than eight hours prior to the investigation.

**Physical evidence and summary of findings:** There were pre-mortem canine tooth punctures up to ¼ inch diameter and tooth scrapes up to 3 ½ inches long with associated underlying tissue trauma on the neck of the sheep. There was additional pre-mortem trauma present on the right hindquarter and left front leg of the carcass. The evidence present on the carcass is consistent with wolf attacks on sheep. This confirmed depredation is attributed to the Balloon Tree Pack.

## September 19, 2022 – Union County (Clark Mountain area)

**Date Investigated:** 9/19/22

**Cause of death/injury:** Other

**General situation and animal information:** On 9/18/22, the carcass of an approximately 500 lb, seven-month-old calf was found in a 3,500-acre private land pasture. Although the muscle tissue and organs of the calf were missing, the hide was almost entirely intact.

**Physical evidence and summary of findings:** No pre-mortem bite scrapes, punctures, or abrasions were evident on the calf's hide, including in all areas where wolves commonly attack. There was no evidence that any predator was involved in the death of this calf. The determination of this investigation is "other".

## September 15, 2022 – Union County (Balloon Tree area)

**Date Investigated:** 9/15/22

**Cause of death/injury:** Confirmed

**General situation and animal information:** On 9/14/22, a herder found a 120 lb. dead sheep in a private commercial timber land allotment. The organs were missing from the carcass, as was tissue on the front quarters and spine. It was estimated that the sheep died approximately 72 hours prior to the investigation.

**Physical evidence and summary of findings:** There were four pre-mortem, ¼-inch diameter, canine tooth punctures with associated underlying tissue trauma on the face and additional pre-mortem bite marks on the neck. The evidence present on the carcass was consistent with wolf attacks on sheep. This confirmed depredation is attributed to the Balloon Tree Pack.

## September 9, 2022 – Wallowa County (Minam River area)

**Date Investigated:** 9/9/22

**Cause of death/injury:** Possible/Unknown

**General situation and animal information:** On 9/9/22, a nine-month-old, 350-pound dead calf was found in a partially timbered, 15,000-acre allotment on private land. The carcass was mostly consumed, with some hide remaining. The calf was estimated to have died about 48 hours before the investigation.

**Physical evidence and summary of findings:** There were no pre-mortem marks on the carcass indicative of a predator attack. The calf had a pre-mortem broken lower front leg. Due to the lack of hide and tissue remaining on the calf in areas that wolves attack, the determination is possible/unknown.

## September 8, 2022 – Union County (Balloon Tree area)

**Date Investigated:** 9/8/22

**Cause of death/injury:** Confirmed

**General situation and animal information:** On 9/7/22, a herder found a 100 lb. dead sheep in a private commercial timber land allotment. Hide and tissue were missing from the rear of the hindquarters. It was estimated that the sheep died less than 24 hours prior to the investigation.

**Physical evidence and summary of findings:** There were 3-4 canine punctures on the neck behind the head. Diameter of punctures was ¼ inch and depth of trauma at the throat was greater than 1.5 inches though the neck was not broken, which is consistent with wolf depredation. This confirmed depredation is attributed to the Balloon Tree Pack.

### **September 3, 2022 – Klamath County B (Doak Mountain area)**

**Date Investigated:** 9/3/22

**Cause of death/injury:** Other

**General situation and animal information:** On the evening of 9/2/22, USDA Wildlife Services staff found the fully intact carcass of an approximately 300 lb, three-month-old calf in a 36,000-acre private land allotment. It was estimated that the calf died a few hours prior to the investigation.

**Physical evidence and summary of findings:** No pre-mortem bite scrapes, hemorrhage, or tissue damage were evident on the calf's hide or in underlying tissue. There was no evidence that a predator was involved in the death of this calf. The determination of this investigation is "other".

### **September 3, 2022 – Klamath County A (Doak Mountain area)**

**Date Investigated:** 9/3/22

**Cause of death/injury:** Confirmed

**General situation and animal information:** Just after 1 a.m. on 9/2/22, USDA Wildlife Services staff hazed OR103 out of a group of cattle and found an injured calf. They photographed fresh blood on the ground and a fresh open wound on the calf's left hind leg above the hock. That night, they found the carcass of the approximately 300 lb, three-month-old calf. This happened in a 36,000-acre private land allotment. The organs of the calf were missing, but otherwise it was largely intact. It was estimated that the calf died approximately 12 hours prior to the investigation.

**Physical evidence and summary of findings:** A large open wound with premortem hemorrhage and tissue damage to a depth of three inches was found on the left hind leg above the hock. The severity, size, and location of this wound is consistent with injuries to calves attacked by wolves. This depredation is attributed to OR103.

### **September 2, 2022 – Umatilla County (Meacham area)**

**Date Investigated:** 9/2/22

**Cause of death/injury:** Confirmed

**General situation and animal information:** On 9/2/22, a livestock producer found the intact carcass of an approximately 500 lb, seven-month-old calf in a 4,000-acre private land pasture. It was estimated that the calf died less than 24 hours prior to the investigation.

**Physical evidence and summary of findings:** There were more than 30 pre-mortem bite scrapes measuring up to four inches long and 3/8 inch-wide with underlying tissue trauma up to two inches deep on both hind legs above the hocks. There were more than 40 additional pre-mortem bite scrapes on the elbows and flanks of the calf. The severity, size, and locations of these wounds are consistent with injuries to calves attacked by wolves. This depredation is attributed to wolves of the Horseshoe Pack.

### **August 31, 2022 – Lake County (Sycan Marsh area)**

**Date Investigated:** 8/31/22

**Cause of death/injury:** Confirmed

**General situation and animal information:** On the morning of 8/31/22, a livestock owner found the carcass of a 400 lb, four-month-old calf in a 2,000-acre private land pasture. The carcass was missing the organs and muscle tissue on the ribs, hindquarters, and front quarters. It was estimated that the calf died the previous night.

**Physical evidence and summary of findings:** There were pre-mortem bite scrapes measuring up to 2 1/2 inches long and ¼ inch wide with underlying tissue trauma on the throat, bottom of the jaw, and below the ears. Pre-mortem bite scrapes were also observed on the right flank. The wounds are consistent with injuries to calves attacked by wolves. This depredation is attributed to the LAS13/OR115 wolves.

### **August 30, 2022 – Union County (Craig Mountain area)**

**Date Investigated:** 8/30/22

**Cause of death/injury:** Possible/Unknown

**General situation and animal information:** On 8/30/22, hunters found the carcass of a 475 lb, eight-month-old calf in a 1200-acre private land pasture. Large portions of muscle tissue and hide were missing from the hindquarters, but the calf was otherwise intact.

**Physical evidence and summary of findings:** There were no pre-mortem bite scrapes on the hide or hemorrhage in the underlying tissue that remained on the carcass. However, there was advanced decomposition and insufficient tissue remaining on some parts of the carcass to be certain the calf had not been attacked by a wolf. The determination of this investigation is “Possible/Unknown”.

### **August 26, 2022 – Wallowa County (Zumwalt Prairie)**

**Date Investigated:** 8/26/22

**Cause of death/injury:** Other

**General situation and animal information:** Midday on 8/26/22, a ranch manager found the intact carcass of a 750 lb, eight-month-old calf in a 765-acre private land grass pasture. Some hide and muscle tissue were missing from the anus to groin on inside of thighs and the abdominal cavity was exposed, but all organs were still present.

**Physical evidence and summary of findings:** There were no pre-mortem bite scrapes on the hide or hemorrhage in the underlying tissue of the carcass in locations that wolves commonly attack. There was no evidence present that the calf had been attacked by a predator. The determination of this investigation is “other”.

### **August 26, 2022 – Baker County (Big Lookout Mt. area)**

**Date Investigated:** 8/26/22

**Cause of death/injury:** Possible/Unknown

**General situation and animal information:** On 8/26/22, the carcass of a 500 lb, five-month-old calf was found in a 640-acre private land grass pasture. The hide and muscle tissue were missing from the base of the tail and stomach area.

**Physical evidence and summary of findings:** There were no pre-mortem bite scrapes on the hide or hemorrhage in the underlying tissue on the hind legs or front elbows where wolves commonly attack. However, there was advanced decomposition and insufficient tissue remaining on some parts of the carcass to be sure the calf had not been attacked by a wolf. The determination of this investigation is “Possible/Unknown”.

### **August 24, 2022 – Klamath County (Doak Mountain area)**

**Date Investigated:** 8/24/22

**Cause of death/injury:** Confirmed

**General situation and animal information:** On the evening of 8/23/22, USDA Wildlife Services staff found the carcass of an approximately 250 lb, two-month-old calf in a 36,000-acre private land allotment. Muscle tissue was missing from the chest and hindquarters, but the hide was mostly present. It was estimated that the calf died approximately 36 hours prior to the investigation.

**Physical evidence and summary of findings:** There were pre-mortem bite scrapes on the lower left shoulder with large areas of premortem hemorrhage and tissue damage on the left shoulder and right hind leg above the hock. The severity, size, and locations of these wounds are consistent with injuries to calves attacked by wolves. This depredation is attributed to OR103.

### **August 20, 2022 – Klamath County (Doak Mountain area)**

**Date Investigated:** 8/20/22

**Cause of death/injury:** Other

**General situation and animal information:** On the evening of 8/19/22, USDA Wildlife Services staff found the intact carcass of an approximately 250 lb, two-month-old calf in a 36,000-acre private land allotment and collected it for examination. Some muscle tissue was missing from the rear, but the hide was intact except for a hole near the anus.

**Physical evidence and summary of findings:** There was no evidence present that the calf had been attacked by a predator. There were no pre-mortem bite scrapes on the hide or hemorrhage in underlying tissue of the carcass in locations that wolves commonly attack. The determination of this investigation is “Other”.

### **August 17, 2022 – Klamath County B (Doak Mountain area)**

**Date Investigated:** 8/17/22

**Cause of death/injury:** Confirmed

**General situation and animal information:** On 8/13/22, USDA Wildlife Services staff photographed a calf with an injured left elbow and left ear in the immediate vicinity of OR103. On 8/17/22, the carcass of an approximately 250 lb., two-month-old calf was found in the same 36,000-acre private-land allotment where the injured calf was photographed. It was estimated that the calf died 24-36 hours prior to the investigation and had been heavily scavenged.

**Physical evidence and summary of findings:** There were pre-mortem bite scrapes measuring up to three inches long and 3/16 inch wide, bite scrapes on the left ear, and pre-mortem tissue damage on the left elbow and neck. The injuries matched those on the calf photographed on 8/13/22. The severity, size, and locations of these wounds are consistent with injuries to calves attacked by wolves. This depredation is attributed to OR103.

### **August 17, 2022 – Klamath County A (Doak Mountain)**

**Date Investigated:** 8/17/22

**Cause of death/injury:** Confirmed

**General situation and animal information:** On 8/17/22, ODFW staff found the carcass of an approximately 250 lb, two-month-old calf in a 36,000-acre private-land allotment. The carcass was in an area where the livestock producer had seen an injured calf and USDA Wildlife Services had repeatedly hazed OR103 away from cattle. The organs and most muscle tissue on the hindquarters were missing from the carcass. It was estimated that the calf had died 18-24 hours prior to the investigation.

**Physical evidence and summary of findings:** Upon skinning, a serious injury was found on the inside of the right leg above the hock that had been inflicted a few days prior to the death of the calf. The severity and location of the wound is consistent with prior injuries observed on calves attacked by wolves. This depredation is attributed to OR103.

### **August 16, 2022 – Umatilla County (Meacham area)**

**Date Investigated:** 8/16/22

**Cause of death/injury:** Confirmed

**General situation and animal information:** On 8/16/22, timber production staff found the carcass of an approximately 425 lb, six-month-old calf in a 4,000-acre private land pasture. It was estimated that the calf died 24-36 hours prior to the investigation.

**Physical evidence and summary of findings:** There were more than 100 pre-mortem bite scrapes measuring up to three inches long and ¼ inch wide at both elbows and on both hind legs above the hocks. The severity, size, and locations of these wounds are consistent with injuries to calves attacked by wolves. This depredation is attributed to wolves of the Horseshoe Pack.

### **August 15, 2022 – Lake County (Winter Rim area)**

**Date Investigated:** 8/15/22

**Cause of death/injury:** Confirmed

**General situation and animal information:** On the morning of 8/14/22, a motorist observed and scared away two wolves that were attacking a calf. The 500-pound, five-month-old calf was found dead later that day by the livestock producer on the public-land grazing allotment.

**Physical evidence and summary of findings:** There were pre-mortem bite scrapes measuring up to three inches long and ¼ inch wide at both elbows and on both hind legs above the hocks with associated tissue damage up to four inches deep. The severity, size, and locations of these wounds are consistent with injuries to cattle attacked by wolves. This depredation is attributed to the LAS13/OR115 wolves.

### **August 15, 2022 – Baker County (Little Lookout area)**

**Date Investigated:** 8/15/22

**Cause of death/injury:** Confirmed

**General situation and animal information:** On 8/15/22, a livestock producer observed an approximately 500 lb., 5-month-old, injured calf in a 2800-acre private-land grass pasture. It was estimated that the injuries to the calf occurred 10-14 days prior to the investigation.

**Physical evidence and summary of findings:** There were more than 50 pre-mortem bite scrapes measuring up to three inches long and ¼ inch wide on the left and right hind legs above the hocks at the edges of a four-by-four inch open wound up to two inches deep. The severity, size, and locations of these wounds are consistent with injuries to cattle attacked by wolves. This depredation is attributed to wolves of the Lookout Mountain Pack.

### **August 12, 2022 – Klamath County C (Doak Mountain area)**

**Date Investigated:** 8/12/22

**Cause of death/injury:** Possible/Unknown

**General situation and animal information:** On 8/12/22, a livestock producer found the carcass of an approximately 300 lb, 2- or 3-month-old calf in a 36,000 acre, private-land pasture. The carcass was missing all organs and muscle tissue, except for on the front left leg and neck.

**Physical evidence and summary of findings:** There was insufficient tissue remaining on the carcass to determine whether the calf had been attacked by a predator. The determination for this animal is “Possible/Unknown”.



## **August 12, 2022 – Klamath County B (Fort Klamath area)**

**Date Investigated:** 8/12/22

**Cause of death/injury:** Confirmed

**General situation and animal information:** On 8/12/22, USDA-APHIS Wildlife Services agents observed an approximately 675 lb. injured steer in a 240-acre private-land grass pasture. The animal was euthanized due to the severity of its injuries. It was estimated that the injuries to the steer occurred 8-12 hours prior to the investigation.

**Physical evidence and summary of findings:** There were more than 30 pre-mortem bite scrapes measuring up to three inches long and ¼ inch wide on the left and right hind legs above the hocks with associated tissue damage up to two inches deep. The severity, size, and locations of these wounds are consistent with injuries to cattle attacked by wolves. This depredation is attributed to wolves of the Rogue Pack.

## **August 12, 2022 – Klamath County A (Fort Klamath area)**

**Date Investigated:** 8/12/22

**Cause of death/injury:** Confirmed

**General situation and animal information:** On 8/12/22, a livestock producer found the carcass of an approximately 900 lb. yearling steer in a 360-acre private-land grass pasture. It was estimated that the steer died 6-10 hours prior to the investigation.

**Physical evidence and summary of findings:** There were more than 60 pre-mortem bite scrapes measuring up to three inches long and ¼ inch wide at the tail, on the right flank, and left and right hind legs above the hock with associated underlying tissue damage. The severity, size, and locations of these wounds are consistent with injuries to cattle attacked by wolves. This depredation is attributed to wolves of the Rogue Pack.

## **August 5, 2022 – Wallowa County (Allen Canyon area)**

**Date Investigated:** 8/5/22

**Cause of death/injury:** Confirmed

**General situation and animal information:** After gathering a flock of goats for the evening from a private-land pasture, the producer noticed that an individual was missing from the group. The missing adult female returned the next day with injuries. The injuries were partially healed by the time ODFW investigated.

**Physical evidence and summary of findings:** The goat was shaved and examined. There were bite scrapes measuring up to 1.75 inches long and ¼ inch wide on both sides and both hind legs above the hocks. There was a scabbed wound on the rear of the left hind leg above the hock that measured 1.75 by 1.5 inches. The bite scrape size, severity, and location of these wounds were similar to other confirmed wolf attack injuries on goats. This depredation is attributed to the Bear Creek Pack.

## **August 4, 2022 – Umatilla County (Kamela area)**

**Date Investigated:** 8/4/22

**Cause of death/injury:** Confirmed

**General situation and animal information:** On 8/2/22, a livestock producer observed an injured, approximately 425 lb., six-month-old calf in a 7500-acre private-land forested pasture. The injuries to the calf occurred approximately two to three weeks prior to the investigation.

**Physical evidence and summary of findings:** There were more than 20 bite scrapes measuring up to three inches long and 3/16 inches wide near an open wound on the hindquarters above the hocks. The area of severe tissue damage measured seven inches by seven inches. The bite scrapes, severity, and location of these wounds are consistent with injuries to live cattle attacked by wolves. This depredation is attributed to the Ukiah Pack.

## **August 1, 2022 – Klamath County (Fort Klamath area)**

**Date Investigated:** 8/1/22

**Cause of death/injury:** Confirmed

**General situation and animal information:** On 8/1/22, a livestock producer found an injured, approximately 700 lb., 11-month-old heifer in a 375-acre private-land grass pasture. The animal was euthanized by the livestock producer due to the severity of its injuries. We estimated that the injuries to the heifer occurred within 24 hours of the investigation.

**Physical evidence and summary of findings:** More than 50 pre-mortem bite scrapes measuring up to three inches long and 1/4-inch wide were documented on the left and right hindquarters of the cow with associated tissue damage up to four inches deep. The severity, size, and locations of these wounds are consistent with injuries to cattle attacked by wolves. As such, this depredation is attributed to wolves of the Rogue Pack.

## **August 1, 2022 – Umatilla County (Ruckel Ridge area)**

**Date Investigated:** 8/1/22

**Cause of death/injury:** Confirmed (4)

**General situation and animal information:** On the night of 7/31/22, a herder located one injured lamb and euthanized it. On the morning of 8/1/22, the livestock owner found two additional dead lambs. While ODFW was investigating, one more dead lamb was located. We estimated that the injuries to these animals occurred on the afternoon or evening of 7/31/22.

**Physical evidence and summary of findings:** Lamb 1 had pre-mortem bite scrapes on the neck measuring up to 1 ½ inches long and 3/8 inches wide with extensive underlying tissue trauma. There was also evidence of multiple tears in the hide and pre-mortem hemorrhaging and tissue trauma on the back and sternum of the lamb. Lamb 2 had multiple pre-mortem tears in the hide and punctures of ¼ inch diameter on its throat associated with extensive underlying tissue trauma. Additional pre-mortem injuries and

hemorrhaging were evident on the elbow, hindquarters, and groin of this lamb. Lamb 3 had pre-mortem bite scrapes, ¼ inch diameter punctures, and associated underlying tissue trauma on the throat. Additional pre-mortem hemorrhaging was present on the sternum and right front leg of the animal. Lamb 4 had pre-mortem bite scrapes and tissue trauma on its neck similar to the other three lambs examined. The severity and size of these wounds are consistent with wolf attacks on lambs. Due to these injuries and other evidence present at the scene, these depredations are confirmed with the attack on these lambs attributed to the Ruckel Ridge Pack.

## **July 31, 2022 – Klamath County (Fort Klamath area)**

**Date Investigated:** 7/31/22

**Cause of death/injury:** Confirmed

**General situation and animal information:** On the night of 7/30/22, a livestock producer found an injured, approximately 650 lb., yearling steer in a 240-acre private-land grass pasture. The animal was euthanized by the livestock producer due to the severity of its injuries. We estimated that the injuries to the steer occurred approximately 12 hours prior to the investigation.

**Physical evidence and summary of findings:** More than 90 pre-mortem bite scrapes measuring up to three inches long and 1/4-inch wide were documented on the left and right hindquarters and groin of the steer. Underlying the bite scrapes, associated tissue trauma measured up to two inches deep. The severity, size, and locations of these wounds are consistent with injuries to cattle attacked by wolves. As such, this depredation is attributed to wolves of the Rogue Pack.

## **July 31, 2022 – Union County (Lake Creek area)**

**Date Investigated:** 7/31/22

**Cause of death/injury:** Other (1),  
Possible/Unk. (1)

**General situation and animal information:** On the night of 7/30/22, a band of sheep on a Forest Service grazing allotment were scattered by an unknown disturbance. The following morning, the shepherd and a Wildlife Services agent found the remains of a dead ewe and a lamb. The carcass of the lamb was mostly intact with some organs removed. The carcass of the ewe was missing its left front leg and all muscle tissue and organs. We estimated that the deaths of the two animals occurred within 24 hours of the investigation.

**Physical evidence and summary of findings:** One pre-mortem ¼ inch diameter tooth puncture was found on the underside of the neck of the lamb with associated tissue trauma up to a depth of 1 ½ inches indicating that the lamb was killed by a predator. However, the manner in which the rumen and organs were removed, and the location and severity of the observed injuries are consistent with the manner in which cougars kill sheep. As such, the determination for the lamb is “Other”. Evidence of pre-mortem hemorrhage was found on the underside of the hide on the neck of the ewe. No other bite marks, scrapes, or punctures were found. Given the missing tissue and organs there was a lack of evidence available to examine to determine if wolves were involved in the death of the ewe. As such, the determination for this ewe was “Possible/Unknown”.

## July 30, 2022 – Klamath County B (Fort Klamath area)

**Date Investigated:** 7/30/22

**Cause of death/injury:** Confirmed

**General situation and animal information:** On 7/29/22, a livestock producer found an injured, approximately 600 lb., yearling heifer in a 200-acre private-land grass pasture. The animal was euthanized on 7/30/22 by the livestock producer due to the severity of its injuries. We estimated that the injuries occurred approximately 48-72 hours prior to the investigation.

**Physical evidence and summary of findings:** Large areas of muscle trauma measuring up to 4 inches deep were present on the inside of both hind legs and in the groin area and more than 20 bite scrapes were observed near the anus and vulva of the cow. The severity of the wounds and their location are consistent with injuries to cattle attacked by wolves. This depredation is attributed to wolves of the Rogue Pack.

## July 30, 2022 – Klamath County A (Fort Klamath area)

**Date Investigated:** 7/30/22

**Cause of death/injury:** Confirmed

**General situation and animal information:** On 7/30/22, a livestock producer found a dead, approximately 650 lb., yearling steer in a 240-acre private-land grass pasture. The carcass was mostly intact with some muscle tissue missing from the upper hindquarters near the tail. We estimated that the steer died approximately 8 hours prior to the investigation.

**Physical evidence and summary of findings:** We observed >40 pre-mortem bite scrapes measuring up to three inches long and 1/4 inch wide with associated pre-mortem hemorrhaging and tissue trauma up to 2.5 inches deep were observed on the flanks and hindquarters of the carcass. The wound measurements, severity, and location are consistent with injuries to cattle attacked by wolves. This depredation is attributed to wolves of the Rogue Pack.

## July 27, 2022 – Klamath County (Fort Klamath area)

**Date Investigated:** 7/27/22

**Cause of death/injury:** Confirmed

**General situation and animal information:** On 7/27/22, a livestock producer observed an injured, approximately 700 lb., yearling steer in a 200-acre private-land grass pasture. The steer was brought to a corral where ODFW personnel examined it. We estimated that the injuries occurred approximately 30-40 hours prior to the investigation.

**Physical evidence and summary of findings:** More than 50 bite scrapes measuring ½ inch to six inches long and up to ¼ inch wide were observed on the hindquarters of the steer. The size, locations, and severity of these bite scrapes are consistent with injuries to live cattle attacked by wolves. This depredation is attributed to wolves of the Rogue Pack.

## July 26, 2022 – Klamath County (Fort Klamath area)

**Date Investigated:** 7/26/22

**Cause of death/injury:** Confirmed

**General situation and animal information:** On 7/26/22, a livestock producer found a dead, approximately 750 lb., yearling steer in a 200-acre private-land grass pasture. The carcass was mostly intact with some muscle tissue missing from the upper hindquarters. The steer died approximately 72 hours prior to the investigation.

**Physical evidence and summary of findings:** Multiple pre-mortem bite scrapes measuring up to four inches long and ¼ inch wide with associated pre-mortem hemorrhaging and tissue trauma up to an inch deep were observed behind the elbow and on the right hindquarter of the carcass. The bite mark measurements and their location are consistent with injuries to cattle attacked by wolves. While these injuries are not believed to have been severe enough to have caused the death of this cow at the time of the attack, these injuries provide evidence that this animal was attacked by wolves prior to its death. As such, this depredation is attributed to wolves of the Rogue Pack.

## July 23, 2022 – Klamath County (Fort Klamath area)

**Date Investigated:** 7/23/22

**Cause of death/injury:** Confirmed

**General situation and animal information:** On the morning of 7/23/22, a livestock producer found a dead, approximately 825 lb., yearling steer in a large private-land grass pasture. Portions of the hindquarters and intestines had been consumed with the remaining tissues intact. It is estimated the steer died approximately 36 - 48 hours prior to the investigation.

**Physical evidence and summary of findings:** Multiple pre-mortem tooth scrapes measuring up to three inches long and ¼ inch wide were observed on both hindquarters. There were areas of pre-mortem hemorrhage and soft tissue trauma up to 1.5 inches deep observed on the neck/brisket and both hindquarters above the hock. The injuries are consistent with injuries on other cattle attacked by wolves. This depredation is attributed to wolves of the Rogue Pack.

## July 22, 2022 – Klamath County (Fort Klamath area)

**Date Investigated:** 7/22/22

**Cause of death/injury:** Confirmed

**General situation and animal information:** On the morning of 7/22/22, a ranch manager found a dead, 850 lb., yearling steer in a large private-land grass pasture. Most of the rear half had been consumed; the front quarters and neck remained intact. It is estimated the steer died approximately 36 hours prior to the investigation.

**Physical evidence and summary of findings:** Pre-mortem tooth scrapes measuring up to 2 inches long and ¼ inch wide were observed behind the elbow on one front quarter. Areas of pre-mortem hemorrhage and trauma to underlying soft tissues were observed near both elbows. The injuries are

consistent with injuries on other steers attacked by wolves. This depredation is attributed to wolves of the Rogue Pack.

## **July 21, 2022 – Umatilla County (Kamela area)**

**Date Investigated:** 7/21/2022

**Cause of death/injury:** Confirmed

**General situation and animal information:** On the afternoon of 7/20/22, an ODFW employee was checking trail cameras in an 8000-acre, private-land pasture. On the morning of 7/19/22, the camera had taken photos of wolves harassing a 450-lb calf for several minutes, while its mother was present. The livestock owner was unable to find the calf when he searched on 7/20/22 and 7/21/22.

**Physical evidence and summary of findings:** The photographs showed fresh bite scrape injuries on the calf's left hindquarter above the hock. This depredation is attributed to the Ukiah Pack.

## **July 17, 2022 - Klamath County (Fort Klamath area)**

**Date Investigated:** 7/17/22

**Cause of death/injury:** Confirmed

**General situation and animal information:** On the morning of 7/17/22, a livestock producer found a dead, approximately 950 lb., yearling steer in a large private-land grass pasture. Portions of the hindquarters and neck had been consumed with the remaining tissues intact. It is estimated that the steer died 36-48 hours prior to the investigation.

**Physical evidence and summary of findings:** Multiple pre-mortem tooth scrapes were observed up to three inches long and 1/8" wide around the left shoulder. Areas of pre-mortem hemorrhage and soft tissue trauma were observed near both elbows and the neck. The pre-mortem bite scrapes and tissue trauma are clear signs of a predator attack. The injuries are consistent with injuries on other cattle attacked by wolves in this area. This depredation is attributed to the Rogue Pack.

## **July 17, 2022 – Union County (Five Points Creek area)**

**Date Investigated:** 7/17/22

**Cause of death/injury:** Confirmed

**General situation and animal information:** A ranch manager found a 900-lb, injured, yearling heifer in an 1100-acre private forested pasture on 7/17/22. The estimated time of the injuries were 12-24 hours prior to the investigation.

**Physical evidence and summary of findings:** Tooth scrapes up to 1/4-inch wide were found on both hindquarters above the hock to the tail, left flank, and behind both elbows varying in length from two to six inches. There were punctures in the hide on the rear of both hindquarters including a one-inch tear. The

location and size of injuries are consistent with wolf attacks on cattle. This depredation is attributed to the Five Points Pack.

### **July 15, 2022 – Union County (Palmer Junction area)**

**Date Investigated:** 7/15/22

**Cause of death/injury:** Confirmed

**General situation and animal information:** On the morning of 7/15/22, a livestock owner found three dead goats on his 44-acre, private-land pasture about 300 yards from his house. The goats ranged in size between 40 and 120 pounds. The carcasses of two goats were intact; one goat had entrails removed. The goats had died during the previous night.

**Physical evidence and summary of findings:** There were ¼ to 3/8-inch-wide bite punctures and tooth scrapes with up to 2 ½ inch deep pre-mortem hemorrhage and tissue trauma on all three goats. Bite locations included neck and hindquarters. The locations and size of bite marks and depth of associated trauma is consistent with other confirmed wolf attacks on goats. The depredation event is attributed to the Balloon Tree Pack.

### **July 15, 2022 – Klamath County (Fort Klamath area)**

**Date Investigated:** 7/15/22

**Cause of death/injury:** Confirmed

**General Situation and animal information:** On 7/15/22, a ranch manager found an injured, 800 lb., yearling steer in a private land grass pasture. Due to the severity of the injuries, the steer was euthanized. It is estimated the steer was injured approximately 12 hours prior to the investigation.

**Physical evidence and summary of findings:** Numerous pre-mortem tooth scrapes were observed on the hide on both hindquarters and groin measuring up to four inches in length and ¼ inch in width with associated pre-mortem hemorrhage and trauma to underlying tissues. There was a large open wound with missing muscle tissue on the right hindquarter above the hock. The injuries are consistent with injuries on other cattle attacked by wolves. This depredation is attributed to the Rogue Pack.

### **July 12, 2022 – Klamath County (Fort Klamath area)**

**Date Investigated:** 7/12/22

**Cause of death/injury:** Confirmed

**General situation and animal information:** On the morning of 7/12/22, a livestock owner found a dead 11-month-old, 775 lb. cow in his 400-acre, private-land pasture. The carcass was mostly intact with some consumption of tissue on the rear hindquarters. It was estimated that the cow had died the night prior to the investigation.

**Physical evidence and summary of findings:** There were more than 60 pre-mortem bite scrapes near the left elbow and on both hindquarters above the hock and at the groin, measuring up to three inches in length and 1/4 inch in width. Pre-mortem hemorrhaging and associated tissue trauma up to two inches deep was found underlying these bite scrapes. The location and severity of injuries are consistent with wolf attacks on yearlings and the determination of this investigation is “Confirmed”. This depredation is attributed to the Rogue Pack.

## **July 6, 2022 – Wallowa County (Grouse Flats area)**

**Date Investigated:** 7/6/22

**Cause of death/injury:** Confirmed (1),  
Possible/Unk (2)

**General situation and animal information:** On the morning of 7/6/22, agents of a livestock producer found the carcasses of three yearling cows in a 160 acre, private-land pasture. Two of the carcasses consisted of scattered bones and were estimated to have died approximately 1 week prior to the investigation. The third carcass was mostly intact, with one leg and most of the tissue on the hindquarters and torso missing. It was estimated that the yearling had died approximately 36 hours prior to the investigation.

**Physical evidence and summary of findings:** There was insufficient evidence remaining at the scene or on the bones for two of the yearlings to determine whether they had been attacked by a predator. As such, the determination for these animals is “Possible/Unknown”. More than 100 pre-mortem bite scrapes, measuring up to 3 inches long and 3/16 inches wide, and associated underlying pre-mortem hemorrhaging and tissue trauma with a depth of up to 1 ½ inches were found on the hindquarters of the intact carcass. The severity and locations of injuries are consistent with wolf attacks on yearling cattle and this confirmed depredation is attributed to the Grouse Flats Pack.