



Wolf Depredation Advisory Council Meeting Minutes

1/5/2023 2:00 p.m.

1. Call to Order, Those Present

Meeting called to order at 2:04 p.m.

Present:

WDAC Members: Chair: Paul Lewis, Lyndon Kerns, Samantha Walch (new member), Dayle Robnette, Anne Wenner, Chris O'Grady, Bill Lehman (new member)

Klamath County: Commissioner Henslee, Finance Director Vickie Noel, Grant Manager Natalie Parker

Others: ODFW Tom Collom, USDA/APHIS Paul Wolf, USDA Clint Broyles (Klamath County), USDA Colby Jackson (Jackson County), US Fish and Wildlife Service Elizabeth Willy

2. Agenda Deletions/Additions

Introductions

3. Approval of 1/6/2022 Minutes

Minutes from 1/6/2022 Approved as presented

4. Tom Collom / ODF&W

Depredations in 2022 by three groups. In Fort Klamath there were 17 depredations, 5 by OR 91, and 1 in the Bly area. In total there were 23 depredations. Presented chart, map, and graphing information (included). Klamath County had the highest number of depredations in Oregon this year. The Rogue pack accounted for the highest number of depredations in the State as well. OR 103 under investigation by Fish and Wildlife as collar indicated mortality mode.

Other wolf information relevant to Oregon – Klamath County

Paul Wolf and Clint Broyles: Non-lethal activities discussed. Drone (thermal) usage working phenomenally, as indicated by the decline in depredations while in use. Increased personnel brought in during Summer 2022. Night watch began July 25, 2022 and resources were stretched thin. \$100,000 from US Fish and Wildlife to provide management for the issues. Pulled in outside assistance with 17 staff for a 21-day detail for Rogue and 103 packs. 4-5 people on hand for hazing. Ground crews to be in on pursuit with drone hazing. Over \$130,000 expended for total efforts. This level of effort is not sustainable, conversation about next steps surrounding

drone pilots and personnel on hand to assist. From July 28 through October 11, 2022 staff was onsite for 51 days and had 95 interactions with wolves.

Conversation surrounding European guard dogs, 3 dogs would be sufficient; are in Colorado now.

Increased staff combined with drones and dogs would be potentially efficient for efforts.

Elizabeth Willy: discussion regarding federal protection and active litigation. Status review on delisting and ongoing litigation. "less than lethal" projectiles being added to toolbox.

5. Group Discussion

Non-lethal discussion regarding drone usage. USDA/APHIS is only permitted to use certain brand of drones, cost is roughly \$10,000 each; need to have 2 drones each. Discussion regarding Clint and Colby obtaining drone certifications.

Non-lethal grant request would be for \$20,000 for two drones plus \$60,000 for personnel.

6. Depredation Compensation and 2023 ODA Grant

23 Confirmed Depredations for July-November 2022. Committee discussion regarding flat rate payment versus date of death and sale rate. Committee agrees that the flat rate makes more sense. Committee determines rates as follows roughly based on prices from Summer 2022: 0-500 pounds \$750; 501-1000 pounds = \$1,250; replacement heifer = none reported during 2022/will determine at a later date.

Dayle motions for a flat rate per head; Chris seconds. Motion passed.

Group discussion on 2023 ODA Grant Fund request totaling \$105,750 as follow:

Compensation	\$25,750.00
<u>Non-lethal/APHIS</u>	<u>\$80,000.00</u>
Total	\$105,750.00
<u>Klamath County Match</u>	<u>\$10,575.00</u>
Total 2023 Funding	\$116,325.00

7. Other Topics

Natalie to update committee on grant application status; funding received to Klamath County. Other Counties receive grant funding for non-lethal deterrents, continue to ramp up these efforts for prevention.

Conversation regarding use of ODA funding on wolf packs, not necessarily per County. The wolves do not stay within County lines and travel fast and far. Conversation regarding ODA paying directly to APHIS for non-lethal involvement. Further conversation regarding use of preventative measures for grant funding for Counties without depredations.

Paul Wolf shared video footage of drone activity and wolf deterrent. Very informative videos.

8. Adjournment

Meeting adjourned at 3:46 p.m.

Klamath County Wolf Depredation Summary -2022

Date	Producer	Landowner	Wolf/Wolves	Weight
12-Jul	Roger Nicholson	Roger Nicholson	Rogue	775
15-Jul	Detar Livestock	Larry Nicholson	Rogue	800
17-Jul	Nathan Owens	Jim Popson	Rogue	950
22-Jul	Detar Livestock	Martin Nicholson	Rogue	850
23-Jul	Agribeeff	Jim Popson	Rogue	825
26-Jul	Agribeeff	Lee Traynam	Rogue	750
27-Jul	Agribeeff	Lee Traynam	Rogue	700
30-Jul	Detar Livestock	Larry Nicholson	Rogue	650
30-Jul	Agribeeff	Lee Traynam	Rogue	600
31-Jul	Detar Livestock	Larry Nicholson	Rogue	650
1-Aug	Agribeeff	Lee Traynam	Rogue	700
12-Aug	Roger Nicholson	Roger Nicholson	Rogue	900
12-Aug	Detar Livestock	Larry Nicholson	Rogue	675
17-Aug	Rick Harrison	Green Diamond	OR 103	250
17-Aug	Rick Harrison	Green Diamond	OR 103	250
24-Aug	Rick Harrison	Green Diamond	OR 103	250
3-Sep	Rick Harrison	Green Diamond	OR 103	300
28-Sep	Drew Hill	Rusted Gate Ranch	OR 103	350
8-Nov	Nathan Owens	Jim Popson	Rogue	600
8-Nov	Nathan Owens	Jim Popson	Rogue	600
26-Nov	Jake Northcut	Ed Maletis	Rogue	1000
26-Nov	Jake Northcut	Ed Maletis	Rogue	1000
27-Nov	Troy Brooks	Troy Brooks	OR 115/LAS13	500

1250
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13 @ 1250

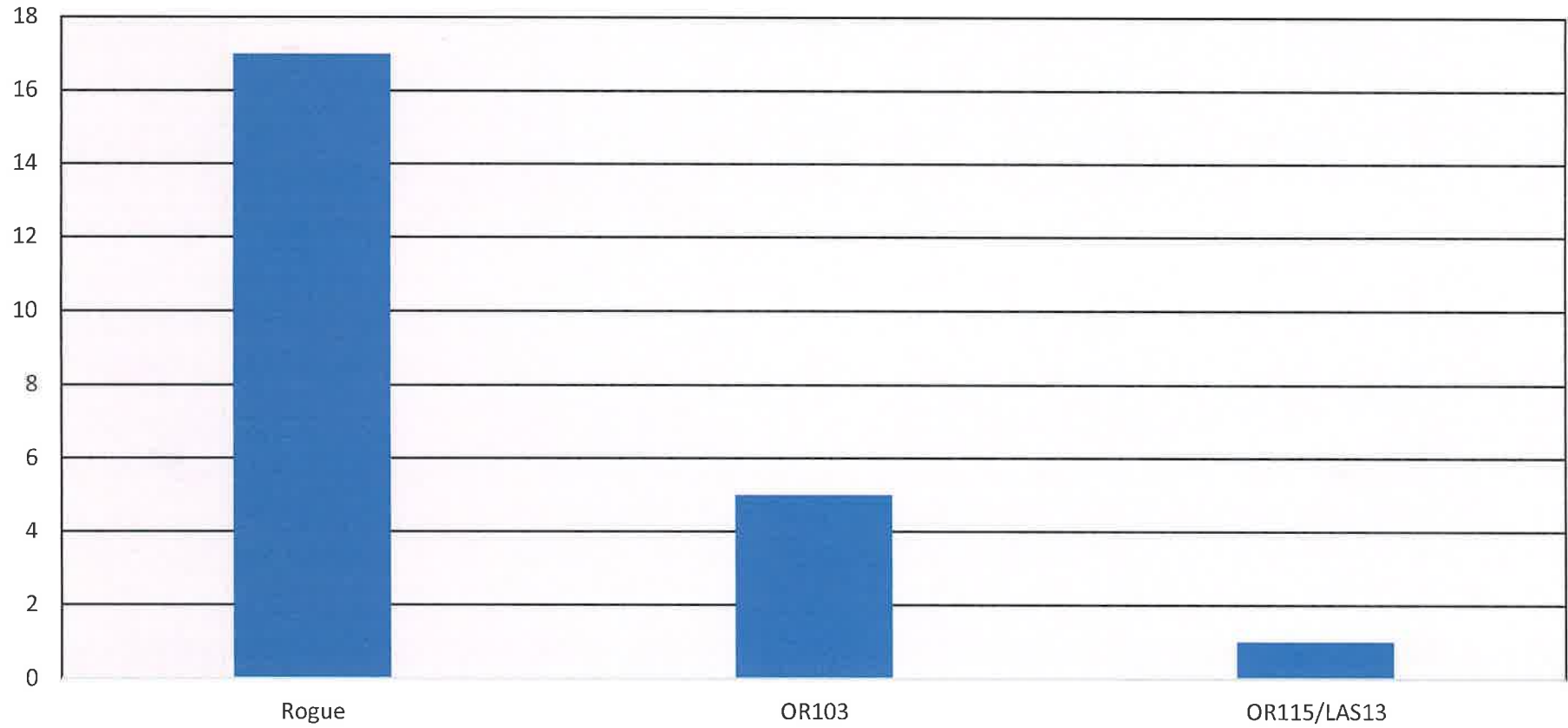
5 @ 750

4 @ 1250

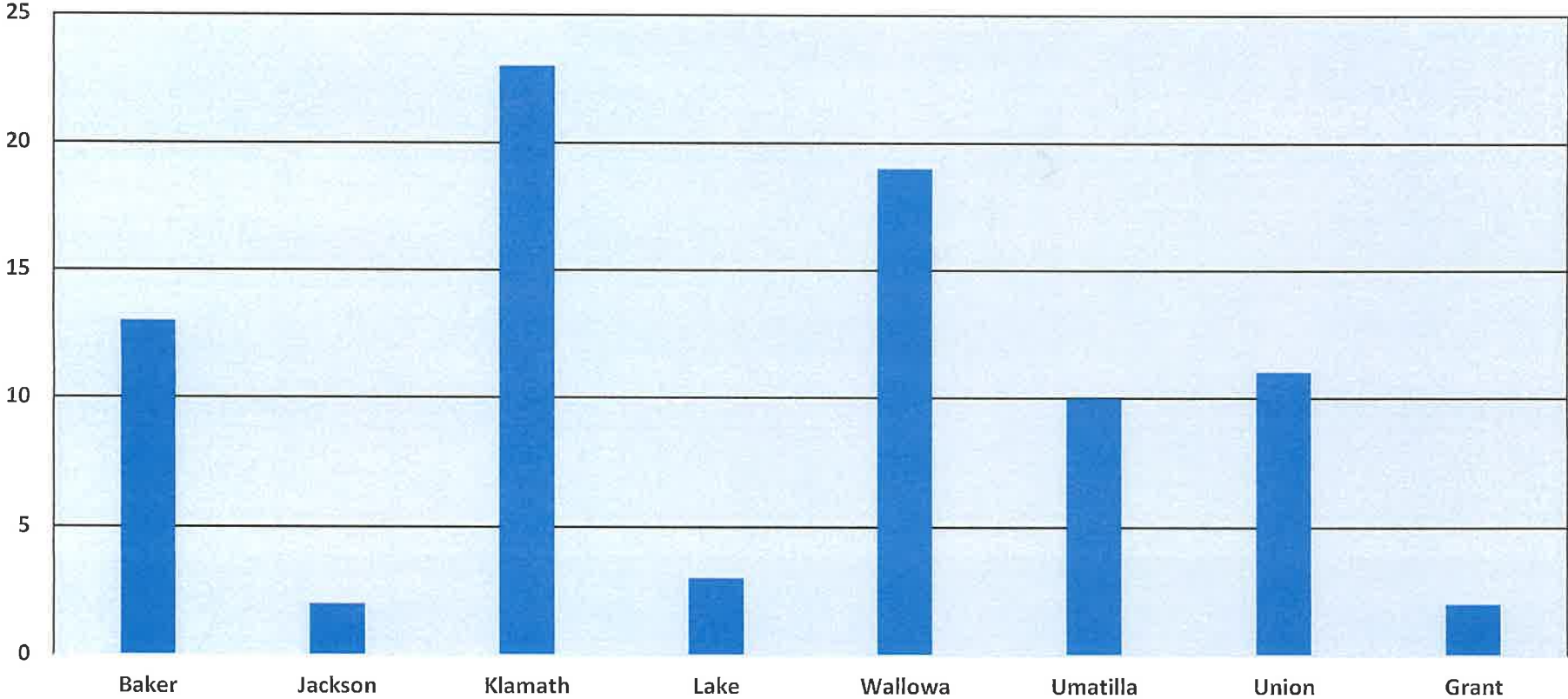
- \$750

\$25,750 total depredation

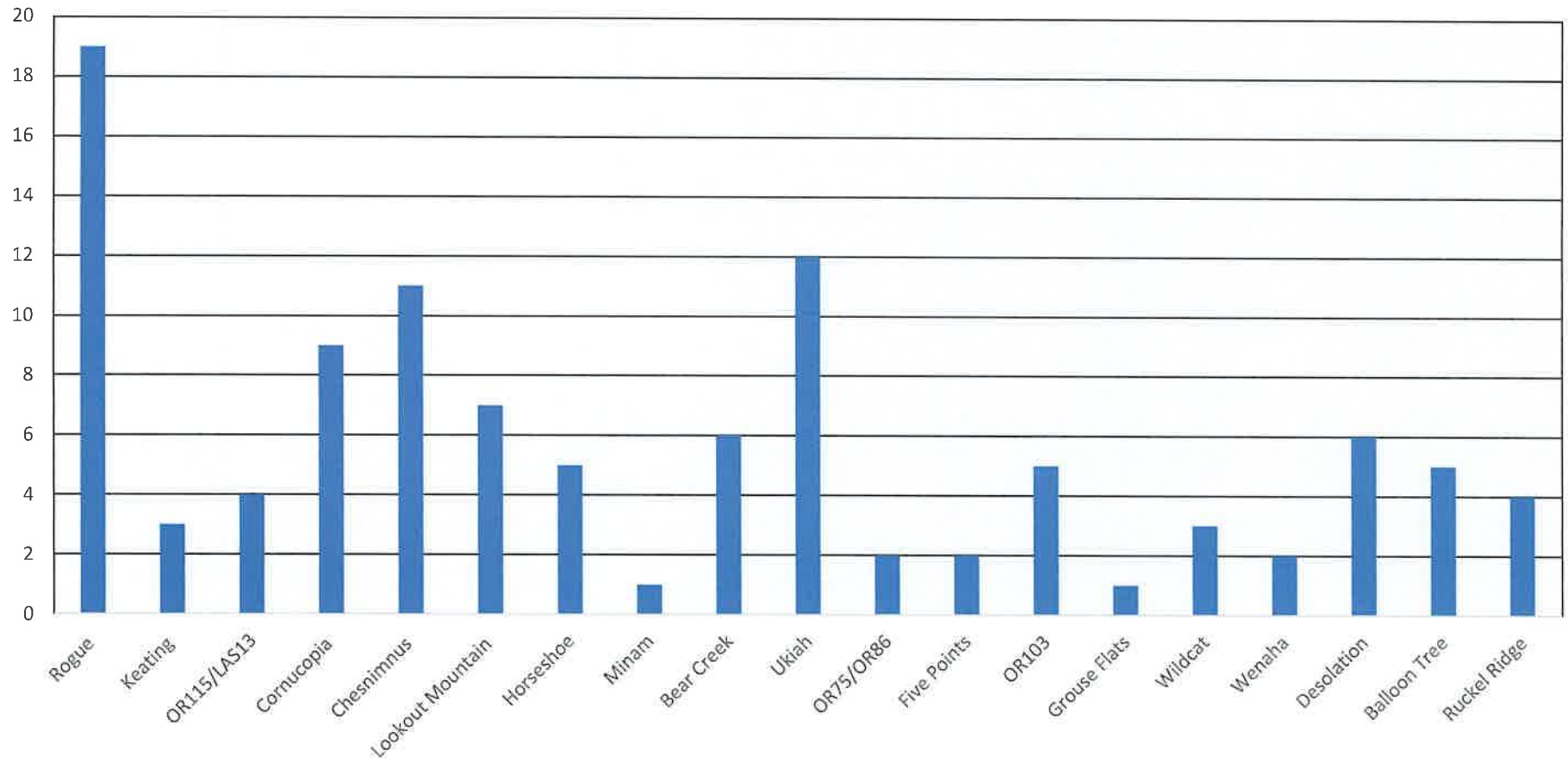
Wolf Depredations - Klamath County 2022



Livestock Depredations by County - 2022



Number Livestock Injured/Killed by Wolf Pack

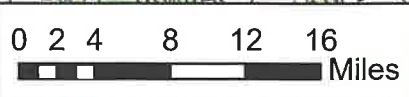
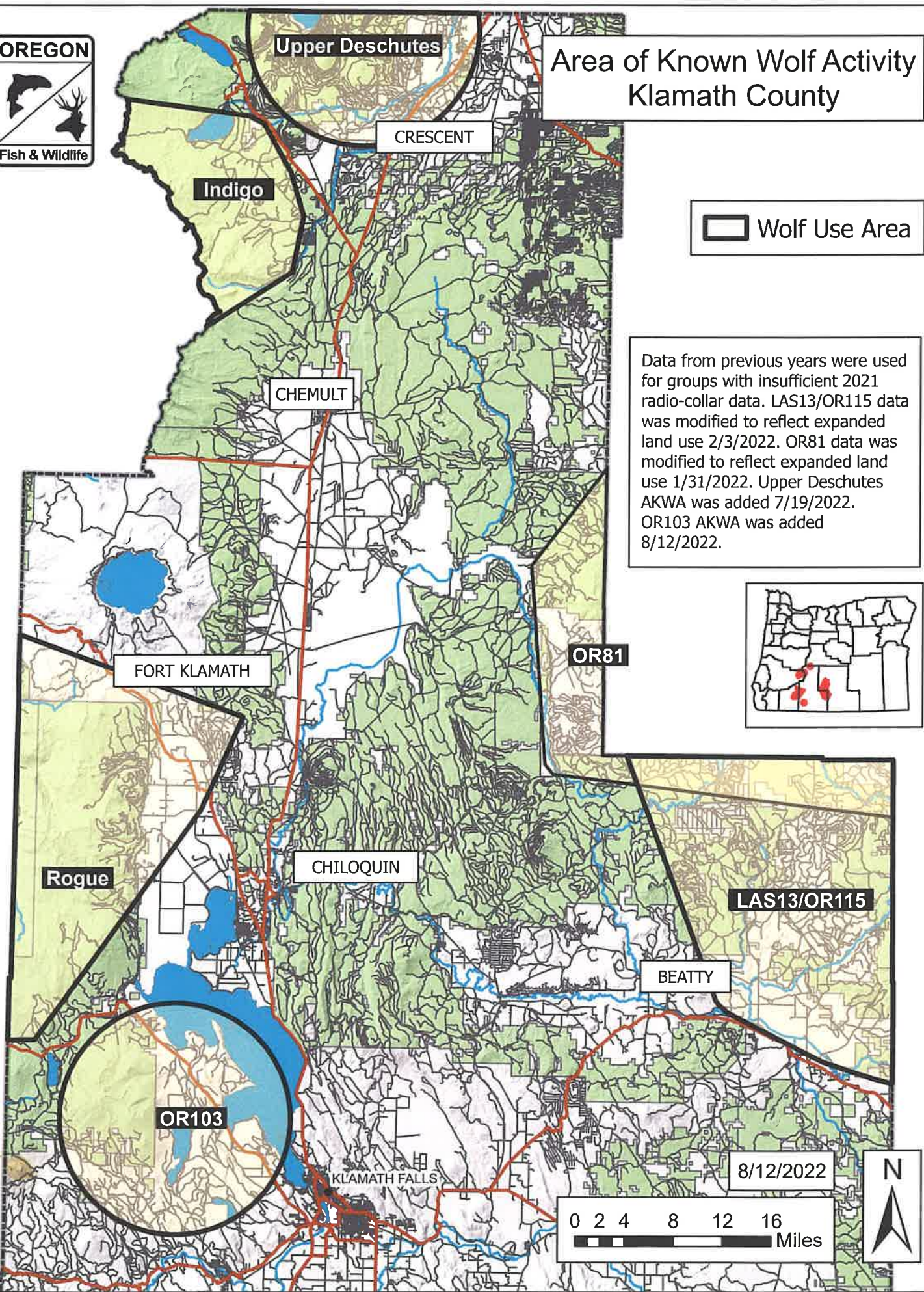
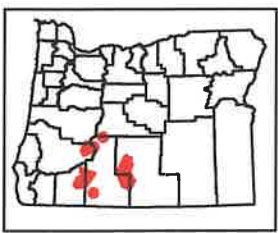




Area of Known Wolf Activity Klamath County

 Wolf Use Area

Data from previous years were used for groups with insufficient 2021 radio-collar data. LAS13/OR115 data was modified to reflect expanded land use 2/3/2022. OR81 data was modified to reflect expanded land use 1/31/2022. Upper Deschutes AKWA was added 7/19/2022. OR103 AKWA was added 8/12/2022.



8/12/2022

Radio-Activated Guard (RAG) Box 2.0 Purchase Details

Updated audio-visual scare device to reduce livestock losses to predators



In an open valley with clear line of sight, the trigger range of this device is ≥ 200 yds. and the notification system radio can be heard ≥ 5 mi. away. These ranges are highly dependent on terrain, vegetation, temperature, and electrical interference.

New Features



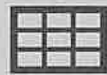
Customizable settings

Ability to change device settings from a phone or laptop in the field via built-in Wi-Fi, including duration of randomized alarm system



Increased security

Password-protected access to radio-collar frequencies and data logs



Data collection

Downloadable data logs with radio-collar ID and date/timestamp of each trigger event



Notification system

One-way radio system that alerts humans when radio-collared predator triggers the device

Pricing and Ordering Details

\$3,200

RB2 RAG Box 2.0 Core System

The base RAG Box 2.0 package consists of the core collar detection and alarm system

This includes:

- High brightness alert LEDs mounted to the enclosure
- Externally mounted loudspeakers, connected to enclosure via included 5 ft. cable
- Externally mounted antenna, connected to enclosure via included 2 ft. and 5 ft. RF cables
- 12V DC input connector and 10 ft. cable for powering the system (Customer provides 12V DC, 10A power source)
- Handheld notification reception radio

Optional Accessories

\$80

PSU12012 Internal 120V AC to 12V DC power supply

For locations where AC power is available. Includes 12 in. AC power pigtail cable. This is factory installed when ordering.

\$200

MK1 Mounting kit for system enclosure and antenna

Multi-application kit includes mounting components for T-posts, railroad ties, fence posts, trees, buildings, etc. Note: antenna must be mounted to an open-air structure for adequate reception.

Contact Epimedia, Inc. to order:

Rod Swift, 42 Norman Ct., Walnut Creek, CA 92595, rod@epimedia.com, (505) 710-5358

Customer-provided items not included with system:



A cellular phone, tablet, or computer with Wi-Fi capability for web-based configuration of RAG Box 2.0 settings and for downloading detection logs



Solar charging system capable powering the RAG Box 2.0 when constant AC or DC power is not available.

Recommended minimums:

Approximately 100W solar panel (or two 100W panels if sunlight days are shorter and faster charging is needed)

Approximately 1kWh battery storage (a deep cycle 12V lead acid battery can be about 100 Amp hours * 12V = 1.2 kWh)

This Goal Zero system is suited to sunnier areas:

100W panel with a roughly 1kW battery for about \$1200.

Goal Zero Yeti 1000 Core + Boulder 100 Briefcase Solar Generator for Camping, Tailgating, and Emergency Power

A similar model from Jackery would also be about the right capacity and has two 100W solar panels.

In areas with less direct sun, two 100W solar panels and/or a larger capacity battery may be necessary for continuous system operation for indefinite periods of time (weeks to months).

These readily available systems are untested but you're welcome to try them, just recommendations. They may not work in all weather and temperature situations.

Photos of RAG Box 2.0 Core System and Optional Accessories

RAG Box 2.0
(exterior)



External speakers & cables



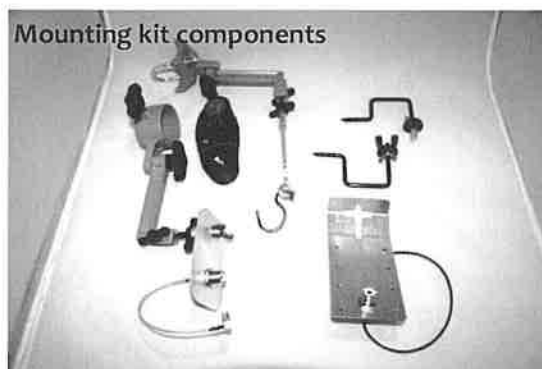
Example t-post
setup



RAG Box 2.0
(interior)



Mounting kit components





BLUETTI SP120 120W Solar Panel for AC200P/EB70/AC50S/EB150/EB240 Solar Generator, Portable Foldable Solar Panel for Outdoors Camping Vanlife Off Grid

717 \$298.00 ✓prime

Sponsored



POWER SOLUTIONS FOR EVERYONE, EVERYWHERE

Roll over image to zoom in



2 VIDEOS

Goal Zero Yeti 1000 Core + Boulder 100 Briefcase Solar Generator for Camping, Tailgating, and Emergency Power

Visit the Goal Zero Store
1,074 ratings

5% \$1,198.95

Best Price: \$1,259.99

Style:

Yeti 1000 Core with 100 Watt Boulder Sol...

Size: Yeti 1000 Core

Yeti 200x

Yeti 500x

Yeti 1000 Core

Yeti 1000x

Yeti 1500x

Yeti 3000x

Yeti 6000x

Purchase options and add-ons

Protect your purchase

Coverage for drops, spills and breakdowns (plans vary)



Brand	Goal Zero
Wattage	100 watts
Power Source	Solar Powered
Voltage	120 Volts
Output	600 Watts
Wattage	
Included	Baq

See more

About this item

- HIGH-ENERGY PORTABLE POWER:** Powerful enough for fridges, TVs, laptops, and tablets, this solar generator harnesses enough energy to power your mobile base camp and offers a dependable, portable solar-panel solution for all your needs under the sun.
- POWERFUL BACKUP SOLAR POWER:** Perfect for campers and emergency users alike, the Yeti 1000 Core + Boulder 100 Briefcase is a solar generator that puts convenience and safety first. Experience unlimited power with this solar-powered generator.
- MULTIPLE WAYS TO CHARGE:** The Yeti 1000 Core offers multiple recharging options. The included 120-watt power supply plugs into the 8-millimeter charging port for a 9-hour recharge, and you can utilize the Yeti X 600-Watt Power Supply with the 600-watt high-power port for a 2-hour recharge.
- HARNESS THE POWER OF THE SUN:** Hook up the Yeti 1000 Core to your Boulder 100 Briefcase and charge everything from your smartphone to your full-size refrigerator. Off the

\$1,198.95

FREE delivery January 11 - 17. Details

Select delivery location

In Stock.

Qty: 1

Add to Cart

Buy Now

Secure transaction

Ships from Goal Zero LLC
Sold by Goal Zero LLC

Return policy: Eligible for Return, Refund or Replacement within 30 days of receipt

Add to List

Have one to sell?

Sell on Amazon



Save 56%

Solar Charger 38800mAh Solar Pow...

Savings & Sales

\$39.99 ~~\$89.98~~ ✓prime

Sponsored

grid or in your backyard, the Yeti 1000 Core charges from the sun with your portable Boulder 100 Briefcase solar panel.

- **THIS IS GOAL ZERO:** We promote a bright, safe, connected, and sustainable future by delivering portable power solutions designed for everyone, everywhere. We offset 100% of carbon emissions from our shipping, and we use 100% renewable energy at our corporate headquarters and warehouse.

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Additional Details



Small Business

This product is from a small business brand. Support small. Learn more

Customer ratings by feature

Charging power	4.9
Easy to use	4.7
Portability	4.6
Light weight	4.4

See all reviews



4500 Watts RV Ready Generator



PowerSmart Portable Inverter Gas Generato...

\$799⁹⁹ prime

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Frequently bought together


+

+


Total price: \$1,263.85

[Add all three to Cart](#)

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- ✓ Goal Zero 30' Extension Cable 8 mm 9 m Or 30 Extra Feet to Connect Solar Panels to Each Other Or Can Be Used to ... \$24.95
- ✓ Goal Zero Regulated Lithium Yeti Car Charger Used to Safely and Efficiently Charge A Goal Zero Yeti from A 12v Po... \$39.95

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\$3,299.00	\$1,649.00	\$1,649.00	\$1,199.95	\$1,199.00	\$1,299.00
Save \$200.00 with coupon	Save \$250.00 with coupon	Save \$250.00 with coupon			