

SECTION 1 – Livestock and Large Predators in Your Area

- 1) In the following table, please tell us what type(s) of livestock you maintained in the last 12 months by writing in the maximum number of heads or beehives you had on your operation.

Livestock type	Maximum number of heads/hives in the last 12 months
Adult cattle	
Calves	
Sheep	
Horses	
Beehives	
Other (<i>please specify below</i>): _____ _____	

- 2) Under each of the following scenarios, how many livestock (of each type) do you believe you lost to each of the large predators in the last 12 months?

For example, if 5 of your calves were confirmed by an official depredation investigator to have been killed by wolves (the first scenario described below), enter “5 calves” in the space provided after “Wolves.” If no livestock were lost to a predator under a given scenario, please enter zero.

- a. An animal was found deceased or lethally injured and was **confirmed by an official depredation investigator to have died because of a large predator.**

Wolves _____ Black bears _____ Grizzly bears _____ Mountain lions _____

- b. An animal was found deceased or lethally injured and was **classified "probable" by an official depredation investigator to have died because of a large predator.**

Wolves _____ Black bears _____ Grizzly bears _____ Mountain lions _____

- c. An animal was found deceased or lethally injured and was **confirmed by an official depredation investigator to have not died because of a large predator.** However, you still believed the death was due to a large predator.

Wolves _____ Black bears _____ Grizzly bears _____ Mountain lions _____

- d. An animal was found deceased or lethally injured but **no investigation took place.** However, you believed the death was because of a large predator.

Wolves _____ Black bears _____ Grizzly bears _____ Mountain lions _____

- e. An animal went missing, no carcass was found, and you believe the disappearance was because of a large predator.

Wolves _____ Black bears _____ Grizzly bears _____ Mountain lions _____

- 3) Overall, how would you describe your feelings towards each of the following large predators?

On a scale of 1 to 5 (1 = "Very negative" and 5 = "Very positive"), please circle the number that corresponds to your answer. If the predator is not present in your state, circle N/A ("Not applicable").

	Very negative	Somewhat negative	Neither negative nor positive	Somewhat positive	Very positive	Not applicable (does not exist in my state)
Wolves	1	2	3	4	5	N/A
Black bears	1	2	3	4	5	N/A
Grizzly bears	1	2	3	4	5	N/A
Mountain lions	1	2	3	4	5	N/A

- 4) For each of the following large predators, what change in their population numbers would you like to see in your state?

On a scale of 1 to 6 (1 = "Completely removed" and 6 = "Increased greatly"), please circle the number that corresponds to your answer. If the predator is absent in your state or area, circle N/A ("Not applicable").

	Completely removed	Decreased greatly	Decreased somewhat	Remain the same	Increased somewhat	Increased greatly	Not applicable (does not exist in my state or area)
Wolves	1	2	3	4	5	6	N/A
Black bears	1	2	3	4	5	6	N/A
Grizzly bears	1	2	3	4	5	6	N/A
Mountain lions	1	2	3	4	5	6	N/A

- 5) Which of the following large predators represent the greatest threat to your livestock?

Please check one.

☐ Wolves ☐ Black bears ☐ Grizzly bears ☐ Mountain lions

- 6) Please rate your agreement with the following statements concerning the large predator you believe is the greatest threat (as selected in the previous question).

On a scale of 1 to 5 (1 = "Strongly disagree" and 5 = "Strongly agree"), please circle the number in the box that corresponds to your answer.

	Strongly disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Strongly agree
They are an important part of the environment.	1	2	3	4	5
I can reduce risks associated with them by making changes around the areas where I keep livestock.	1	2	3	4	5
The way they kill livestock is brutal and cruel.	1	2	3	4	5
They seriously threaten the livelihoods of livestock producers in my state.	1	2	3	4	5
Too much government funding gets spent trying to manage them.	1	2	3	4	5
I wouldn't mind them being around if I was able to lethally remove the ones causing problems.	1	2	3	4	5
They are a safety risk to people.	1	2	3	4	5
There are some years I don't worry about them causing problems.	1	2	3	4	5

- 7) When thinking about the large predator that you believe is the greatest threat, which of the following have you experienced in the last 12 months because of their presence? *Please check all that apply.*

- ☐ An increase in monetary costs associated with protecting my livestock.
- ☐ An increase in overgrazing in some areas due to large predator pressure.
- ☐ An increase in time spent on managerial activities (for example, hiring staff or financial planning).
- ☐ An increase in negative ecological effects on your property due to the decline in other wildlife species.
- ☐ A decline in human health due to worry or psychological demands.
- ☐ A decline in other wildlife-related damage on your property (for example, less hay eaten by elk).
- ☐ A decline in wildlife carrion or carcasses on your property.
- ☐ Other (*please specify below*):

SECTION 2 – Predator Damage Management Methods Used on Your Operation

The next set of questions relates to various predator damage management methods or tools **that you or Wildlife Services may have used on your livestock operation in the last 12 months to manage wolves, black bears, grizzly bears, or mountain lions (not coyotes).**

- 1) Did you use **fladry** (flags strung along a line of wire that may be electrified) in the last 12 months?
Please check one.

☐ Yes

☐ No

→ If you checked “**No**” please continue to **Question #4 (skipping Questions #2-3).**

- 2) Did Wildlife Services provide supplies, funding, or physical support toward implementing **fladry** on your livestock operation in the last 12 months? *Please check one.*

☐ Yes

☐ No

☐ Unsure

- 3) The following table asks how effective and feasible you believe **fladry** was in the last 12 months. *Effectiveness* refers to how well fladry helped protect your livestock from large predators. *Feasibility* refers to how practical it was for you and your staff to use and maintain fladry on your livestock operation.

On a scale of 1 to 5, please rate the effectiveness (1 = “Not at all effective” and 5 = “Extremely effective”) and feasibility (1 = “Not at all feasible” and 5 = “Extremely feasible”) by circling the number in each box that corresponds to your answer.

How effective do you believe fladry was at protecting your livestock in the last 12 months?				
Not at all effective	Slightly effective	Moderately effective	Very effective	Extremely effective
1	2	3	4	5

How <u>feasible</u> do you believe fladry was to use and maintain on your livestock operation in the last 12 months?				
Not at all feasible	Slightly feasible	Moderately feasible	Very feasible	Extremely feasible
1	2	3	4	5

- 4) How interested are you in using **fladry** on your livestock operation in the *next* 12 months?

On a scale of 1 to 5 (1 = “Not at all interested” and 5 = “Extremely interested”), please circle the number in the box that corresponds to your answer.

Not at all interested	Slightly interested	Moderately interested	Very interested	Extremely interested
1	2	3	4	5

- 5) What were your reasons for using or not using **fladry** on your operation in the last 12 months?
Please explain below:

6) Did you use **predator exclusion fencing** (tall, firmly fixed fencing with ground skirting or aprons) in the last 12 months? *Please check one.*

☐ Yes

☐ No

→ If you checked “**No**” please continue to **Question #9 (skipping Questions #7-8)**.

7) Did Wildlife Services provide supplies, funding, or physical support toward implementing **predator exclusion fencing** on your livestock operation in the last 12 months? *Please check one.*

☐ Yes

☐ No

☐ Unsure

8) The following table asks how effective and feasible you believe **predator exclusion fencing** was in the last 12 months. *Effectiveness* refers to how well predator exclusion fencing helped protect your livestock from large predators. *Feasibility* refers to how practical it was for you and your staff to use and maintain predator exclusion fencing on your livestock operation.

On a scale of 1 to 5, please rate the effectiveness (1 = “Not at all effective” and 5 = “Extremely effective”) and feasibility (1 = “Not at all feasible” and 5 = “Extremely feasible”) by circling the number in each box that corresponds to your answer.

How effective do you believe <u>predator exclusion fencing</u> was at protecting your livestock in the last 12 months?				
Not at all effective	Slightly effective	Moderately effective	Very effective	Extremely effective
1	2	3	4	5

How feasible do you believe <u>predator exclusion fencing</u> was to use and maintain on your livestock operation in the last 12 months?				
Not at all feasible	Slightly feasible	Moderately feasible	Very feasible	Extremely feasible
1	2	3	4	5

9) How interested are you in using **predator exclusion fencing** on your livestock operation in the next 12 months?

On a scale of 1 to 5 (1 = “Not at all interested” and 5 = “Extremely interested”), please circle the number in the box that corresponds to your answer.

Not at all interested	Slightly interested	Moderately interested	Very interested	Extremely interested
1	2	3	4	5

10) What were your reasons for using or not using **predator exclusion fencing** on your operation in the last 12 months? *Please explain below:*

11) Did you use **electric fencing** (portable, high voltage fencing that may be set up for semi-permanent use) in the last 12 months? *Please check one.*

☐ Yes

☐ No

→ If you checked "**No**" please continue to **Question #14 (skipping Questions #12-13).**

12) Did Wildlife Services provide supplies, funding, or physical support toward implementing **electric fencing** on your livestock operation in the last 12 months? *Please check one.*

☐ Yes

☐ No

☐ Unsure

13) The following table asks how effective and feasible you believe **electric fencing** was in the last 12 months. *Effectiveness* refers to how well electric fencing helped protect your livestock from large predators. *Feasibility* refers to how practical it was for you and your staff to use and maintain electric fencing on your livestock operation.

On a scale of 1 to 5, please rate the effectiveness (1 = "Not at all effective" and 5 = "Extremely effective") and feasibility (1 = "Not at all feasible" and 5 = "Extremely feasible") by circling the number in each box that corresponds to your answer.

How effective do you believe electric fencing was at protecting your livestock in the last 12 months?				
Not at all effective	Slightly effective	Moderately effective	Very effective	Extremely effective
1	2	3	4	5

How feasible do you believe electric fencing was to use and maintain on your livestock operation in the last 12 months?				
Not at all feasible	Slightly feasible	Moderately feasible	Very feasible	Extremely feasible
1	2	3	4	5

14) How interested are you in using **electric fencing** on your livestock operation in the *next* 12 months?

On a scale of 1 to 5 (1 = "Not at all interested" and 5 = "Extremely interested"), please circle the number in the box that corresponds to your answer.

Not at all interested	Slightly interested	Moderately interested	Very interested	Extremely interested
1	2	3	4	5

15) What were your reasons for using or not using **electric fencing** on your operation in the last 12 months? *Please explain below:*

16) Did you use **range riders** (persons on horseback or ATVs who ride along with livestock herds, often in rough terrain or off-road environments, to reduce livestock-predator interactions) in the last 12 months? Please check one.

☐ Yes

☐ No

→ If you checked “No” please continue to **Question #19 (skipping Questions #17-18)**.

17) Was the **range rider(s)** who worked on your operation in the last 12 months provided by or paid for (partially or entirely) by Wildlife Services? Please check one.

☐ Yes

☐ No

☐ Unsure

18) The following table asks how effective and feasible you believe **range riders** were in the last 12 months. *Effectiveness* refers to how well range riders helped protect your livestock from large predators. *Feasibility* refers to how practical it was for you and your staff to use range riders on your livestock operation.

On a scale of 1 to 5, please rate the effectiveness (1 = “Not at all effective” and 5 = “Extremely effective”) and feasibility (1 = “Not at all feasible” and 5 = “Extremely feasible”) by circling the number in each box that corresponds to your answer.

How effective do you believe range riders were at protecting your livestock in the last 12 months?				
Not at all effective	Slightly effective	Moderately effective	Very effective	Extremely effective
1	2	3	4	5
How feasible do you believe it was to use range riders on your livestock operation in the last 12 months?				
Not at all feasible	Slightly feasible	Moderately feasible	Very feasible	Extremely feasible
1	2	3	4	5

19) How interested are you in using **range riders** on your livestock operation in the next 12 months?

On a scale of 1 to 5 (1 = “Not at all interested” and 5 = “Extremely interested”), please circle the number in the box that corresponds to your answer.

Not at all interested	Slightly interested	Moderately interested	Very interested	Extremely interested
1	2	3	4	5

20) What were your reasons for using or not using **range riders** on your operation in the last 12 months? Please explain below:

21) Did you use **livestock guardian dogs** in the last 12 months? *Please check one.*

☐ Yes

☐ No

→ If you checked “**No**” please continue to **Question #24 (skipping Questions #22-23)**.

22) Was the **livestock guardian dog(s)** used on your operation in the last 12 months provided by Wildlife Services? *Please check one.*

☐ Yes

☐ No

☐ Unsure

23) The following table asks how effective and feasible you believe **livestock guardian dogs** were in the last 12 months. *Effectiveness* refers to how well livestock guardian dogs helped protect your livestock from predators. *Feasibility* refers to how practical it was for you and your staff to use and maintain livestock guardian dogs on your livestock operation.

On a scale of 1 to 5, please rate the effectiveness (1 = “Not at all effective” and 5 = “Extremely effective”) and feasibility (1 = “Not at all feasible” and 5 = “Extremely feasible”) by circling the number in each box that corresponds to your answer.

How <i>effective</i> do you believe <u>livestock guardian dogs</u> were at protecting your livestock in the last 12 months?				
Not at all effective	Slightly effective	Moderately effective	Very effective	Extremely effective
1	2	3	4	5

How <i>feasible</i> do you believe it was to use <u>livestock guardian dogs</u> on your livestock operation in the last 12 months?				
Not at all feasible	Slightly feasible	Moderately feasible	Very feasible	Extremely feasible
1	2	3	4	5

24) How interested are you in using **livestock guardian dogs** on your livestock operation in the *next* 12 months?

On a scale of 1 to 5 (1 = “Not at all interested” and 5 = “Extremely interested”), please circle the number in the box that corresponds to your answer.

Not at all interested	Slightly interested	Moderately interested	Very interested	Extremely interested
1	2	3	4	5

25) What were your reasons for using or not using **livestock guardian dogs** on your operation in the last 12 months? *Please explain below:*

26) For which of the following large predators did you use **lethal removal** (for example, ground shooting or trapping/killing) in the last 12 months? *Please check all that apply.*

- ☐ Wolves ☐ Black bears ☐ Grizzly bears ☐ Mountain lions
- ☐ I did not use lethal removal for any large predator listed above

→ If you checked “I did not use lethal removal for any large predator listed,” please continue to **Question #29 (skipping Questions #27-28).**

27) Did Wildlife Services provide supplies, funding, or physical support toward the **lethal removal** of large predators on your livestock operation in the last 12 months? *Please check one.*

- ☐ Yes ☐ No ☐ Unsure

28) The following table asks how effective and feasible you believe **lethal removal** was in the last 12 months. *Effectiveness* refers to how well lethal removal helped protect your livestock from large predators. *Feasibility* refers to how practical it was for you and your staff to lethally remove large predators from your livestock operation.

On a scale of 1 to 5, please rate the effectiveness (1 = “Not at all effective” and 5 = “Extremely effective”) and feasibility (1 = “Not at all feasible” and 5 = “Extremely feasible”) by circling the number in each box that corresponds to your answer.

How <i>effective</i> do you believe lethal removal was at protecting your livestock in the last 12 months?				
Not at all effective	Slightly effective	Moderately effective	Very effective	Extremely effective
1	2	3	4	5

How <i>feasible</i> do you believe it was to use lethal removal on your livestock operation in the last 12 months?				
Not at all feasible	Slightly feasible	Moderately feasible	Very feasible	Extremely feasible
1	2	3	4	5

29) How interested are you in using **lethal removal** on your livestock operation in the *next* 12 months?

On a scale of 1 to 5 (1 = “Not at all interested” and 5 = “Extremely interested”), please circle the number in the box that corresponds to your answer.

Not at all interested	Slightly interested	Moderately interested	Very interested	Extremely interested
1	2	3	4	5

30) What were your reasons for using *or* not using **lethal removal** on your operation in the last 12 months? *Please explain below:*

SECTION 3 – Your Opinions about Nonlethal Predator Damage Management

- 1) **Before** Wildlife Services provided you with nonlethal predator damage management assistance, how interested were you in using nonlethal predator damage management methods on your livestock operation?

On a scale of 1 to 5 (1 = “Not at all interested before” and 5 = “Extremely interested before”), please circle the number that corresponds to your answer.

Not at all interested before	Slightly interested before	Moderately interested before	Very interested before	Extremely interested before
1	2	3	4	5

- 2) **After** receiving nonlethal predator damage management assistance from Wildlife Services, how interested were you in using nonlethal predator damage management methods on your livestock operation?

On a scale of 1 to 5 (1 = “Not at all interested after” and 5 = “Extremely interested after”), please circle the number that corresponds to your answer.

Not at all interested after	Slightly interested after	Moderately interested after	Very interested after	Extremely interested after
1	2	3	4	5

- 3) If you were choosing between a lethal predator damage management method and a nonlethal predator damage management method that were **equally effective** at protecting your livestock, how much more would you be willing to pay to use the **nonlethal** method? *Please check one.*

- ☐ I wouldn't pay more because I prefer lethal predator damage management.
- ☐ I wouldn't pay more because I don't have any preference between lethal and nonlethal predator damage management.
- ☐ I prefer nonlethal to lethal predator damage management, but I wouldn't be willing to pay more for it.
- ☐ I would pay up to \$_____ more per year for the nonlethal predator damage management method (*please enter the amount above*).

PLEASE CONTINUE TO NEXT PAGE...

- 4) If Wildlife Services were no longer able to provide you with any **nonlethal** predator damage management assistance, which of the following methods (if any) would you choose to use at your own expense?

For each method, please place a check in the box that corresponds to your answer.

	Already using at own expense	Would use at own expense	Would <u>not</u> use at own expense
Fladry	☐	☐	☐
Predator exclusion fencing	☐	☐	☐
Electric fencing	☐	☐	☐
Range riders	☐	☐	☐
Livestock guardian dogs	☐	☐	☐
Other method (<i>Please specify below</i>): _____ _____ _____	☐	☐	☐

- 5) Please rate your agreement with the following statements concerning your perceptions of Wildlife Services.

On a scale of 1 to 5 (1 = "Strongly disagree" to 5 = "Strongly agree"), please circle the number in the box that corresponds to your answer.

	Strongly disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Strongly agree
Wildlife Services staff treat me fairly.	1	2	3	4	5
Wildlife Services staff are honest with me about predator damage management.	1	2	3	4	5
Wildlife Services staff listen to me when discussing predator damage management.	1	2	3	4	5
Wildlife Services staff are easily accessible during times when I am experiencing predator-related issues.	1	2	3	4	5
I trust Wildlife Services staff to act in my best interest when it comes to predator damage management.	1	2	3	4	5

	Strongly disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Strongly agree
I expect that Wildlife Services will make the right decisions regarding predator damage management.	1	2	3	4	5
I am confident that Wildlife Services will do a good job helping me protect my livestock from predators.	1	2	3	4	5
Wildlife Services is operated by employees who possess the technical expertise necessary to manage predator damage.	1	2	3	4	5
Wildlife Services staff are more experienced at managing predator damage than other natural resources professionals.	1	2	3	4	5

6) Are there other nonlethal predator damage management methods you think Wildlife Services should use? *Please check one.*

☐ Yes

☐ No

If you checked "Yes," please specify the method(s) below and explain why you think they should be used:

SECTION 4 - Demographic Information

The following demographic information will be used to help us make general conclusions about producers who received nonlethal predator damage management assistance from Wildlife Services. As a reminder, your responses will remain strictly confidential.

1) What is the ZIP code of your primary residence?
Please write your 5-digit ZIP code below, such as "85763"

2) Approximately what percent of the land where you keep livestock is owned by you or your family?
Please write a number below.

%

3) In what year were you born?

Please enter your 4-digit birth year below, such as "1991"

4) What is your race and/or ethnicity?

Please check all that apply.

- ☐ American Indian or Alaska Native
- ☐ Asian
- ☐ Black or African American
- ☐ Hispanic or Latino
- ☐ Middle Eastern or North African
- ☐ Native Hawaiian or Pacific Islander
- ☐ White

5) What is the highest level of education you have obtained?

Please check one.

- ☐ Did not graduate high school or receive a GED
- ☐ High school diploma or GED
- ☐ Some college, no degree
- ☐ Associate degree
- ☐ Trade/technical/vocational training
- ☐ Bachelor's degree
- ☐ Graduate or professional degree

6) If you have any comments you would like to leave about this survey, please write them below:

THANK YOU FOR YOUR PARTICIPATION!