



OMB Control Number: 1024-0224

Isle Royale National Park Visitor perceptions of human-moose (Alces alces) interactions

You are being invited to participate in a research study about visitor perceptions of human-moose interactions in Isle Royale National park. There are no known risks if you decide to participate in this research study. There are no costs to you for participating in the study. The information you provide will be used to better understand how people view and interact with moose on the island so that the park staff can better serve and protect their visitors and moose population. The questionnaire takes on average 6 minutes to complete. The information collected may not benefit you directly, but the information learned in this study should provide more general benefits.

Your responses are anonymous. Do not write your name on the survey. No one will be able to identify you or your answers, and no one will know whether or not you participated in the study. Individuals from the Institutional Review Board may inspect these records. Should the data be published, no individual information will be disclosed.

Your participation in this study is voluntary. By completing and submitting the survey back to the researcher, you are voluntarily agreeing to participate. You are free to decline to answer any particular question you do not wish to answer for any reason.

If you have any questions about the study, please contact:

Kelly Boyer Ontl, Ph.D.
Department of Social Sciences
Michigan Technological University
1400 Townsend Drive
Houghton, MI 49931

kbontl@mtu.edu 906-487-2459 **Rob Skalitsky**

Department of Social Sciences Michigan Technological University 1400 Townsend Drive Houghton, MI 49931 rlskalit@mtu.edu

The Michigan Tech Institutional Review Board has reviewed my request to conduct this project. If you have any concerns about your rights in this study, please contact the Michigan Tech-IRB at 906-487-2902 or email irb@mtu.edu.

PAPERWORK REDUCTION and PRIVACY ACT STATEMENT: The Paperwork Reduction Act requires us to tell you why we are collecting this information, how we will use it, and whether or not you have to respond. We are authorized by the National Park Service Protection Interpretation and research in System (54 USC §100702) to collect this information. The routine uses of this information will be for the benefit of NPS Managers and Planning staff Isle Royale National Park (ISRO) in future initiatives related to the visitor use and resource management related to human – wildlife interactions. The data collected will be summarized to describe visitor uses and experiences during their visit at ISRO. Your responses to this collection are completely voluntary and will remain anonymous. You can end the process at any time and will not be penalized in any way for choosing to do so. Data collected will only be reported in aggregates and no individually identifiable responses will be reported. A Federal agency may not conduct or sponsor, and you are not required to respond to, a collection of information unless it displays a currently valid OMB Control Number (1024-0224). We estimate that it will take about 7 minutes to complete and return this on-site questionnaire. You may send comments concerning the burden estimates or any aspect of this information collection to: Phadrea Ponds NPS Information Collection Coordinator at pponds@nps.gov (email).

 On this trip, what type of accommodations did you □ In Park concession lodging (i.e. Rock Harbor □ Designated campground □ Cross-country camping □ Residence of friends or relatives □ No overnight lodging (i.e. day trip) □ OTHER accommodations (Please specify): 	Lodge)
2. How long did you spend on the island? unit)	(# of days or hours, please specify
3. What activities did you participate in during your (Please check all that apply) □ Boating – motorized □ Boating – non-motorized □ Fishing □ Wildlife viewing □ Hiking	trip to Isle Royale National Park? Wildlife photography Backpacking Other (Please write response)
 4. Prior to this visit, how many visits have you made □ 0 (first trip) □ 1 − 4 	to Isle Royale National Park? □ 5 – 10 □ 10+

5. In this section, we'd like to know how you feel in general about wildlife issues. Below are statements representing different ways that people might think about wildlife. Even if you don't know or care much about wildlife, we are interested in your opinions. (Select one number for each statement.)

	Strongly Disapprove	Moderately Disapprove	Slightly Disapprove	Neither	Slightly Approve	Moderately Approve	Strongly Approve
Humans should manage wildlife populations so that humans benefit.	1	2	3	4	5	6	7
I view all living things as part of one big family.	1	2	3	4	5	6	7
	Strongly Disapprove	Moderately Disapprove	Slightly Disapprove	Neither	Slightly Approve	Moderately Approve	Strongly Approve
The needs of humans should take priority over wildlife protection.	1	2	3	4	5	6	7

Animals should have rights similar to the rights of humans.	1	2	3	4	5	6	7
Wildlife is on earth primarily for people to use.	1	2	3	4	5	6	7
Wildlife is like my family and I want to protect them.	1	2	3	4	5	6	7

6. Please rate your overall level of approval of visitors taking "selfies" with wildlife in Isle Royale National Park:

Strongly Disapprove	Moderately. Disapprove	0 0	Neither	0 0	Moderately Approve	Strongly Approve
1	2	3	4	5	6	7

ch of the following animals would you conside apply)	r to	be safe to take a selfie with? (select
Moose		Rabbit
Fox		Squirrel
Wolf		All of these animals
Beaver		None of these animals
erally, how do you feel about moose in Isle Ro I have no particular feelings about moose in Is I enjoy moose AND I do Not worry about mo I enjoy moose BUT I worry about moose-rela I do Not enjoy moose in Isle Royale National	sle R ose- ted i	loyale National Park related impacts mpacts

9. Please indicate your level of agreement with the following statements. (Select one number for each statement.)

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	Strongly Disagree	Slightly Disagree	Neither	Slightly Agree	Strongly Agree
I enjoy knowing that there are moose in Isle Royale NP even if I never see one.	1	2	3	4	5
There are no benefits to having moose in Isle Royale NP.	1	2	3	4	5
Moose are an important part of the natural ecosystem in Isle Royale NP.	1	2	3	4	5
Moose seriously damage plants and vegetation in Isle Royale NP.	1	2	3	4	5
Moose presents a serious safety risk in Isle Royale NP.	1	2	3	4	5
Moose pose a threat to people in Isle Royale NP.	1	2	3	4	5
Having moose in Isle Royale NP is an inconvenience.	1	2	3	4	5
In general, I do not care about the welfare of moose in Isle Royale NP.	1	2	3	4	5
Preserving moose should be part of management in Isle Royale NP.	1	2	3	4	5
I would like to learn more about helping to protect moose in Isle Royale NP.	1	2	3	4	5
It is okay to hand-feed moose in Isle Royale NP.	1	2	3	4	5
Overall, I am interested in wildlife issues in Isle Royale NP.	1	2	3	4	5

10. Did you encounter a moose on your trip? (an encounter is defined from the moment you see a moose or multiple moose to the moment you no longer see the moose. An encounter may be brief or extended)
□ NO – jump to question #15 □ YES – please indicate the number of encounters you had here: then continue on to question #11.
 11. Which of the following animals did you encounter during your trip? (select all that apply) □ Cow (female) □ Calf □ Bull (male) □ Unsure

 12. How would you categorize your moose encounter(s)? □ Positive □ Negative □ Neutral/Neither 	
 13. During your encounter(s) with moose, what was the CLOSEST distance you were to the animal(s)? □ <15ft □ 15-30ft (about half the length of a school bus) □ 10-15 yards (length of a full-sized school bus) □ 15-30 yards (length of two school buses) □ 30-50 yards (3-4 school buses) □ 50-100 yards (over 4 or 5 school bus lengths) □ Unsure/Don't remember 	
14. Where did your moose interaction occur? ☐ At a campground ☐ In a developed area (i.e Rock Harbor or Windigo) ☐ At a cross-country camping site ☐ On the trail ☐ Off the trail away from campsites ☐ At a lake (moose was in the water) ☐ Other (Please write response): ☐ Please provide any other details about your moose encounter in the box below. If extra	1
space is needed, please continue on the back of the survey.	
15. Approximately, how far away should individuals stay from moose? □ 100 yards (length of 5-6 full-sized school buses) □ 45 yards (length of 3 school buses)	
 □ 25 yards (length of 2 school buses) □ 10 yards (length of a 1 school bus) □ 10 feet (1/3 a school bus length) □ Unsure 	
□ 10 yards (length of a 1 school bus)□ 10 feet (1/3 a school bus length)	

Strongly Disagree	Slightly Disagree	Neither	Slightly Agree	Strongly Agree
1	2	3	4	5
□ Run □ Run □ Play □ Mak arms □ Mak	e yourself "big e a lot of noise behind a tree	moose ose g", wave your		ged by a moos Mace the Throw re Get in the Get on the head Take a p Unsure Other:
moose and r	e many ways t isking conflict you? Please m	. Which of the	e following r	
orier □ Put t □ Have □ Have inter □ Put i □ None	inue to includentations. (Curr ip signs explaite offenders rece e a volunteer spactions when to in place educate would impace	ent method in ning why dist eive a ticket peak with visi hey arrive at l ional program t efficiently	n practice) curbing moos stors about th Isle Royale N	e is discourag e risks associa National Park.
20. Should a Yes No Unsu	ıll moose-hum ıre	an interaction	s be reported	l to the Nation
21. If Isle R	oyale National	Park had a re	eporting syste	em to report w

21. If Isle	Royale National	Park nad a reportin	g system to repo	rt wildlife interactions,	, would
you use it	?				

Yes

□ No

☐ Unsure

22. What is your age?

18-24 years old	55-64 years old
25-34 years old	65-74 years old
35-44 years old	75 years or old
45-54 years old	

23. What is the highest level of formal education you have completed? Please select only one response.

☐ Less than high school
☐ Some high school

		High school graduate
		Vocational/trade school certificate
		Some college
		Two-year college degree
		Four-year college degree [or Bachelor's degree]
		Master's Degree [or Graduate degree]
		Ph.D., M.D., J.D., or equivalent
24.		nat is your gender? Please select one. Male Female Prefer not to answer
25.	25. Which of the following best describes the area you currently live in	
		Urban
		Suburban
		Rural