It's not about wolves...

It's about interdisciplinary knowledge for a sustainable, just and prosperous world.





to create a sustainable, just and prosperous world.



Should we allow wolf hunting?



Should we allow wolf hunting?



Michael Nelson, environmental ethicist, OSU

ETHICS IS FORMAL ANALYSIS OF PROPOSITIONS PERTAINING TO HOW WE OUGHT TO BEHAVE

We <u>ought</u> to conserve this water resource in this way...

We <u>ought</u> to sustain this forest in this way...

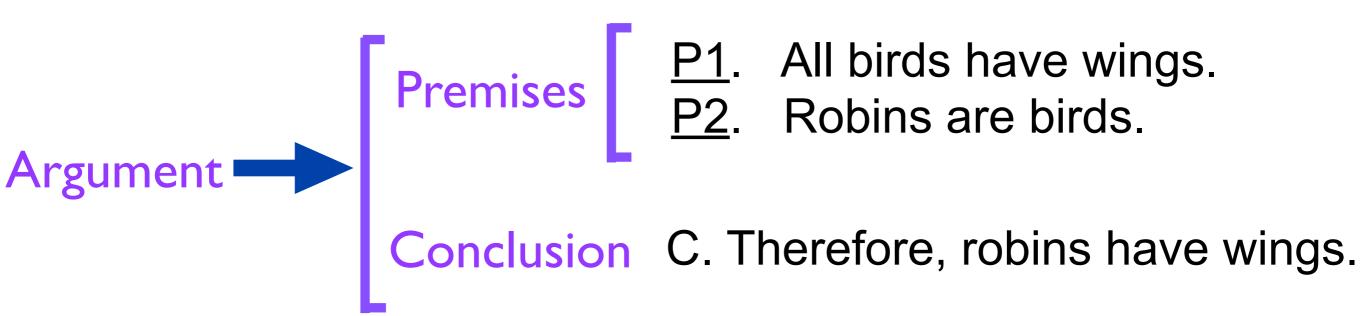
CONSERVATION & SUSTAINABILITY



ARE ETHICS IN ACTION



ARGUMENT ANALYSIS



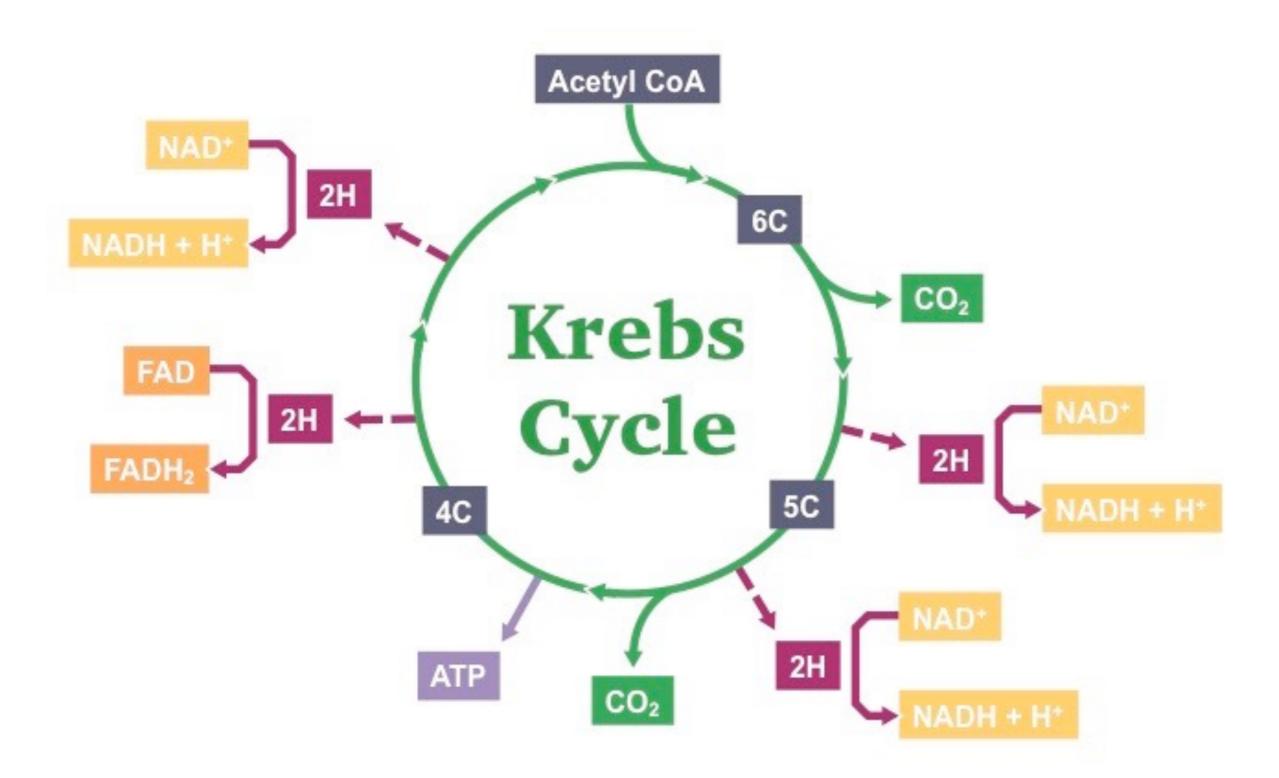
ARGUMENTS & CONSERVATION ETHICS



- P1. Driving less is good for the environment.
- P2. We ought to be good to the environment.
- C. Therefore, we should drive less.

Are all the premises true?

Logical structure valid?

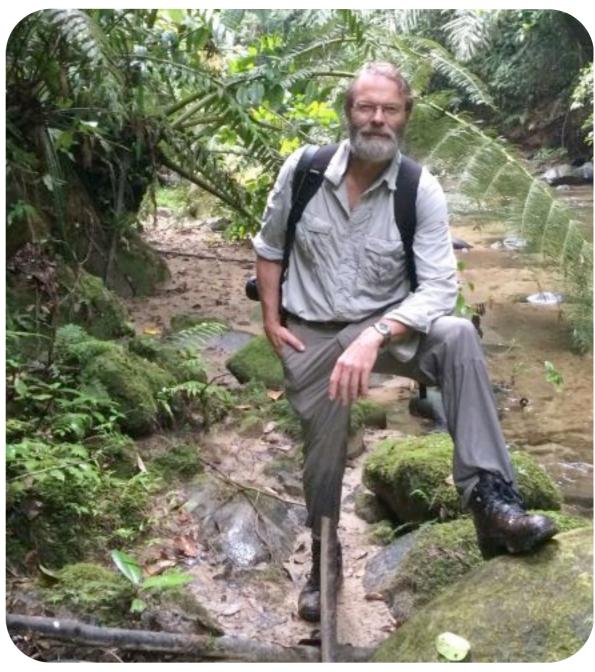


Should we promote trophy hunting of lions to conserve lion populations?

Cecil the lion



David Macdonald



Should we promote trophy hunting of lions to conserve lion populations?



- P1. Trophy hunting supports lion conservation.
- P2. We ought to support lion conservation.
 - C. Therefore, we should support trophy hunting.

Should we promote trophy hunting of lions to conserve lion populations?



PREMISE	TYPE	GEOGRAPH IC VARIATION
P1. We should at least maintain the current status of wild lions.	Ethical	N/A
P2a. Maintaining current status is threatened by habitat loss.	Empirical	Yes
P2b. Protecting lion habitat is a necessary and sufficient condition for maintaining current status (Sufficient in the sense that other threats are mitigated).	Empirical	Yes
P3a. Trophy hunting lions facilitates the protection of suitable lion habitat.	Empirical	Yes
P3b. Trophy hunting is currently the only means to protect existing lion habitat.	Empirical	Yes
P4. It is reasonable to expect that trophy hunts will be properly regulated in a manner that does not harm lions populations.	Empirical	Yes
P5. Individual lions possess intrinsic value. (In other words, we shouldn't kill lions without sufficient reason).	Ethical	N/A
P6. Maintaining current status of lion populations is a good reason to kill lions (in the context of properly regulated trophy hunting).	Ethical	N/A
C. Trophy hunting of lions should be tolerated.		

value of the

Are all the premises true?

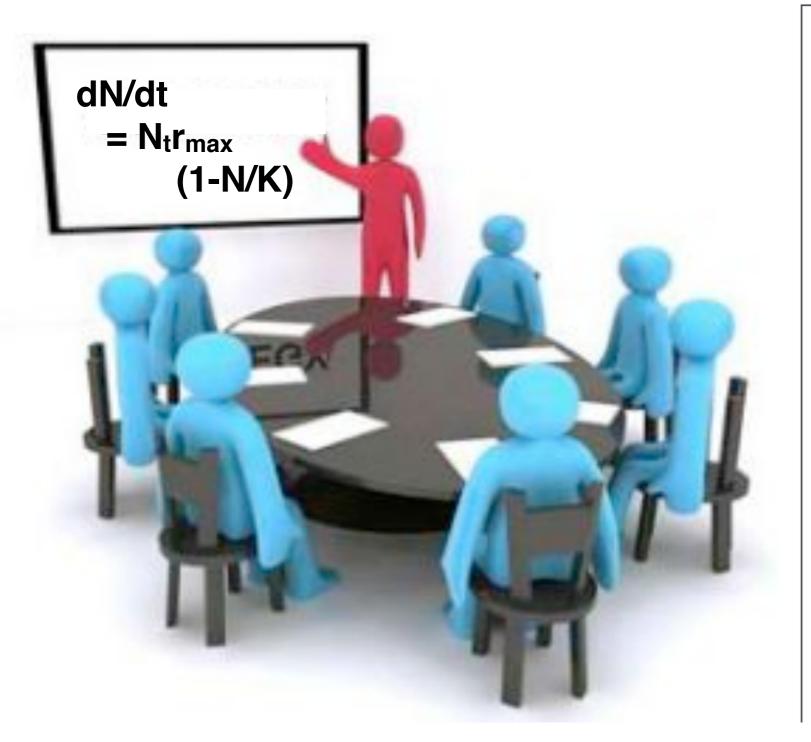
Logical structure valid?

Mexican wolf recovery, U.S. Fish & Wildlife Service





Mexican wolf recovery







U.S. Fish & Wildlife Service

ENDANGERED SPECIES ACT OF 1973

As Amended through the

108th Congress

Department of the Interior U.S. Fish and Wildlife Service Washington, D.C. 20240

an endangered species is "at risk of extinction throughout all or a significant portion of its range..." Sec 2(3)(a)

Mexican wolf recovery







U.S. Fish & Wildlife Service

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What is an endangered species?

DEFINITIONS OF ENDANGERED SPECIES:

DEGARDING HOW TO

CONTES' Effects on Species' Conservation of Reinterpreting the Viability and Societal Values When Phrase "Significant Portion of its Range" in the U.S.

D. NOAH GREENWALD

Center for Biological Diversity, P.O. Box 11374, Portland, OR 97211-5333, U.S.A., email ngreenwald@biologicaldiversity.org

1 Framework for Evaluating Wheur. *School of Forest Resources & Environmental Science, Michigan Technological University, Houghton MT ** d or Endangered in a Significant email iavuceti@mtu.edu

Beyond PVA: Why Recovery under the Endangered Species Act Is **More than Population Viability**

MS,† JAMES BOHNSACK,‡ AND BARBARA L. TAYLOR§ ontlake Boulevard East, Seattle, WA 98112, U.S.A., email robin.waples@noaa.gov

affer Road, Santa Cruz, CA 95060, U.S.A. inia Beach Drive, Miami, FL 33149, U.S.A. La Jolla Shores Drive, La Jolla, CA 92037, U.S.A.

SHAYE WOLF, BRETT HARTL, CARLOS CARROLL, MAILE C. NEEL, AND D. NOAH GREENWALD

What is an endangered species?

Testimony before the U.S. House and Senate



John Vucetich

What is an endangered species?



Jeremy Bruskotter, social psychology, OSU



Adam Feltz, moral psychology, MTU

Wolf hunting in Michigan, decade later

MEMORANDUM TO THE NATURAL RESOURCES COMMISSION

Subject:

Wolf Regulations as Game Species

Wildlife Conservation Order Amendment No. 14 of 2013





Evaluating the principles of wildlif

wolf (Canis lupus) hunting in Mich JOHN A. Vucetich ,* JEREMY T. Bruskotter , MICHAEL PA School of Forest Resources and Environmental Science, Michigan Technological University, 1400 Townsend Drive, Houghton, MI School Environment and Natural Resources, The Ohio State University, 2021 Coffey Road, Columbus, OH 43210, USA (PTD)



It's really about governance of natural resources.

STATE OF MICHIGAN RTMENT OF NATURAL RESOURCES May 13, 2013 June 17, 2013

ns as Game Species rvation Order Amendment No. 14 of 2013

the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, authorizes the Director and the Commission to issue orders to manage wild animals in this state.

Discussion and Background:

The United States Fish and Wildlife Service removed wolves from the Federal list of Endangered Species on January 27, 2012, giving the State of Michigan full management authority for the species. In addition, the Governor signed Public Act 21of 2013, granting the Natural Resources Commission the authority to designate a species as game and to establish the first open season for such a species. The Department has recommended that the Natural Resources Commission (NRC) designate the wolf as a game species through Wildlife Conservation Order No. 13 of 2013. Game species designation would give the NRC authority to determine the manner and method of take regarding wolves. The 2008 Walf Man

the public harvest of wolves to resolv

Section 6.12 of the plan indicates that lethal control measures are not effecti high wolf densities. Consistent with the authorities encompass all applications conservation of wolves unfolds in cor of other wildlife resources.

In January of 2013, the Department by public harvest of wolves to help achie The Department also began engaging harvest of wolves as a management to

how to attend to various stakeholders in a democratic environment...

The Wolf Management Advisory Council (WMAC) has met twice to discuss issues associated with a public harvest of wolves. The WMAC is a diverse group of stakeholders that provides

Fellowship to Martin School of Oxford University



governance of natural resources

Isle Royale wolves



New Hork Times



Senator
Gary Peters (MI)



Transdisciplinary Interdisciplinary Multidisciplinary Disciplinary



interdisciplinary

Michigan Tech will lead as a global technological university that inspires students, advances knowledge, and innovates

to create a sustainable, just and prosperous world.