Jodie Delavan/OSO/R1/FWS/DOI
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To tom.christiansen@wyo.gov
cc bob.budd@wyo.gov, "Pat Deibert" <pat_deibert@fws.gov>
bcc
Subject

Hi Tom,
Thanks for agreeing to provide biological input on the Wyoming populations. The cot team met last week but pat and bob budd were not there so the team had to make an estimate for Wyoming information ad a place holder. Someone in the group had suggested we contact you for wy biological information and that is why I called. As I mentioned on the phone, we took a stab at rating threats and ranking the risk of the laramie, powder river, Wyoming basin, and Jackson hole populations. If you have suggestions on these rankings or more info to add regarding threats, it would be appreciated.

Since bob budd is the wyoming state representative for this team, I am cc-ing him in this so he knows i requested this information. please do not distribute this information as it predecisional and because some members were not present to provide their input. Bob and pat have this information but I do not know yet whether they have reviewed it. I am hopefully not stepping on their toes, but the Wyoming info is needed and I'm just trying to keep things moving as I write up some sections of our final report. With those caveats aside....

Jack Connelly, mike Schroeder, rick n., Kathy g., and Aaron Robinson were some if the folks with more knowledge of your populations, but it was clear that we all wanted to check with someone who had Wyoming expertise/local knowledge.

The risk categories were: c1 high risk, c2 at risk, c3 potential risk, c4 low risk. We suggested that small populations with fewer than 500 birds could not be ranked as c3 or c4 generally.

We gave c1s to powder, Jackson, and laramie and Wyoming basin on the Wyoming side got a c4.

The threats were ranked as:
A=substantial imminent threat
B=moderate imminent threat
C=substantial nonimminent
D=moderate, nonimminent
E=localized, substantial
F=widespread, low severity
G=slightly threatened
H=Unthreatened
U= unknown

For powder we said:
Small population- h
Sagebrush elimination - e
Ag conversion - e
Fire - e
Disease - c
Predation - f
Conifers - e
Weeds/annual grasses-d
Energy - a
Mining -b
Infrastructure (roads, power, pipelines) -a
Livestock - f
Feral horses - h

Recreation - e
Urbanization - h
Drought -?
Climate change - ?

Jackson hole:
(in shorthand)
Small pop- a
E - sage elimination
H ag
E fire
U disease
u predation
E conifer
G weed
H energy
H mining
H infrastructure
H livestock
H horse
D recreation
H urban
? Drought
? Climate chg.

Laramie:
A for small population size, and we had no clue about the other threats.

Wyoming portion of the wy basin:
H small pop
E sage eliminate
H ag
E fire
E disease
U predation
H conifer
E weed
B energy
H mining
B infrastructure
E livestock
U horse
U recreation
U urban
? Drought
? Climate change

Thanks again for reviewing this and providing technical input. Please cc bob on your response. Thanks and have a good weekend! Jodie Delavan