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20 21 22	DEFENDERS OF WILDLIFE Plaintiffs, vs.	, et al.,	)	CV-05-248-RHW <b>TIFFS' OPENING BRIEF IN</b>
23 24 25	SUSAN MARTIN, <i>et al.,</i> Defendants.		/	RT OF MOTION FOR L SUMMARY JUDGMENT
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#### **INTRODUCTION**

Plaintiffs Defenders of Wildlife *et al.* seek partial summary judgment over multiple violations of the Endangered Species Act ("ESA") by Defendants U.S. Fish and Wildlife Service ("Service") and U.S. Forest Service ("Forest Service"), with respect to the endangered Selkirk Mountains woodland caribou in the Idaho Panhandle National Forest ("IPNF").

As explained below, the woodland caribou is the most critically endangered mammal in the lower 48 states; and its survival is increasingly threatened by expanding snowmobile activities on the IPNF. The agencies acknowledge this threat, and that the IPNF Forest Plan has no standards or restrictions on snowmobiling. Yet the Service's 2001 Biological Opinion concludes that continued implementation of the Plan is not likely to jeopardize the caribou's existence. Not only is this "no-jeopardy" conclusion contrary to the best available science and the Service's own analysis, but the Service has also authorized unlimited "take" of caribou, even though loss of even a single animal could send this species toward extinction. Accordingly, these decisions were arbitrary, capricious, and violate the ESA, thus warranting partial summary judgment for Plaintiffs under their First and Second Claims challenging the IPNF Biological Opinion.

Further, the Forest Service has failed to adopt restrictions on snowmobile use in caribou habitat on the IPNF, which the Service required as a non-discretionary condition within the Biological Opinion; but the agencies have not reinitiated consultation, as they are required to do in light of this failure. Finally, the Forest Service never consulted over its IPNF Challenge Cost-Share Agreement, by which it directly authorizes, funds, and carries out winter snowmobile trail grooming that

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allows snowmobile access into caribou winter habitat. The agencies are thus again in violation of ESA Section 7; and accordingly, Plaintiffs are entitled to partial summary judgment on these issues as well.

# FACTUAL BACKGROUND<sup>1</sup>

# The Endangered Selkirk Woodland Caribou.

The only remaining population of woodland caribou in the coterminous United States occurs in the Selkirk Mountains of northern Idaho, northeastern Washington, and southern British Columbia. *SOF* ¶ 9; *Rule Decl. Exh. 1 at 13*. Woodland caribou, which consist of three distinct ecotypes—boreal, northern, and mountain—once roamed throughout Canada and across the northern tier of the U.S. *SOF* ¶¶ 2, 9; *Rule Decl. Exh. 35 at 1, Exh. 1 at 13, 15*. By the early 1980's, however, the mountain caribou had declined dramatically, and the isolated Selkirks population fell to just 25-30 animals. *SOF* ¶¶ 10-11; *Rule Decl. Exh 1 at 15*.

In 1983, the Service "emergency listed" this population as endangered under the ESA, and then published a final listing rule in 1984. *SOF* ¶ 11; *Rule Decl. Exhs.* 3,4. It issued a Recovery Plan for the Selkirk population in 1985, which was revised in 1994. *SOF* ¶ 12; *Rule Decl. Exh.* 2.

Mountain woodland caribou have a unique migration system, making seasonal migrations based on elevation to access different food sources. SOF  $\P$  4; Rule Decl.

<sup>1</sup> The relevant facts are spelled out in detail in the accompanying Plaintiffs' Separate Statement of Undisputed Material Facts ("SOF"), and Declarations of Lauren M. Rule, Keith Simpson, Paul Mitchell, Mark Sprengel, and Joe Scott.

*Exh. 1 at 13-14, Exh. 2 at 5.* In early winter, mountain caribou use dense forest stands at lower elevations, where trees intercept early season snow and allow access to lichens on downed logs and shrubs under the forest canopy. In late winter, once the snow has compacted caribou move to higher elevations with moderate slopes and open canopied forests, where their wide, splayed hooves allow them to travel on top of the snow. There, they feed almost exclusively on lichen found above snowline on mature and old growth trees. *SOF*  $\P\P$  *5-6; Rule Decl. Exh. 1 at 14.* Because this lichen has low nutritional value, the caribou's nutrient intake during late winter is limited. *SOF*  $\P$  *6; Rule Decl. Exh. 1 at 14.* 

Despite efforts to bolster the Selkirk Mountains population of woodland caribou through transplants from other populations in British Columbia, the population estimates from the past five years remain at 33-35 animals, with only 1 to 3 located per year in Idaho. *SOF* ¶¶ 13-14; *Rule Decl. Exhs. 5, 6.* The sightings of animals in Idaho have occurred in several locations ranging from the very northwest corner of the state to areas near the Selkirk Crest east of Priest Lake. *SOF* ¶ 14; *Rule Decl. Exhs. 5-9.* These animals can travel long distances, and telemetry studies prove that individual animals from the Selkirk population have moved many miles between habitat in Canada and Idaho. *SOF* ¶ 15; *Mitchell Decl. Exh. 1.* 

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#### **Snowmobile Threats to Caribou.**

Research shows that snowmobiling is harmful to caribou. As discussed in both the Service's and Forest Service documents, snowmobile use can displace caribou from important winter habitat or preclude their use of such habitat. *SOF* ¶ *16; Rule Decl. Exh. 1 at 48, Exh. 10 at 25-26; see also Simpson Decl.* ¶¶ 7, 20-25. Several studies demonstrate that caribou abandoned areas they previously used as

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winter habitat when those areas started receiving heavy snowmobile use, resulting in either extirpation from some areas or a decline in numbers of caribou. *SOF* ¶ 17; *Rule Decl. Exh. 10 at 26, Exh. 11; Simpson Decl.* ¶¶ 7, 21 and Exh. 2.

This type of displacement is harmful to caribou as it can force them out of preferred winter habitat into more marginal habitat, where there are fewer feeding opportunities, or a higher risk of predation or avalanches. *SOF* ¶ 18; *Rule Decl. Exh. 1 at 48, Exh. 10 at 26, Exh. 12 at 4-7; Simpson Decl.* ¶¶ 13-19, 25.

Snowmobiles also directly harass caribou, increasing their stress levels during this time of limited nutritional intake. Expending energy to avoid snowmobiles leaves the animals more susceptible to predation, and causes a loss of body fat crucial for winter survival, reproduction, and calf survival. *SOF* ¶ 19; *Rule Decl. Exh. 1 at 48, Exh. 10 at 25; Simpson Decl.* ¶¶ 13-16, 19, 25. Snowmobile trails also provide access into high elevation habitat for predators that normally would be precluded from those areas by deep snow. SOF ¶ 20; *Rule Decl. Exh. 10 at 26, Exh. 12 at 6; Simpson Decl. Exh. 3 at 2.* 

As summarized by the Forest Service: "snowmobile use within caribou winter range increases caribou vigilance and movements, thus potentially resulting in reduced survival. Winter recreation use causes displacement in most cases and potentially avoidance of areas used by snowmobiles. Long term effects of snowmobile use includes fragmentation and isolation of local herd groups, disruption of winter movement patterns and reduction of amount of area available to caribou." *SOF ¶ 21; Rule Decl. Exh. 10 at 26-27.* 

Agency Actions Addressing Snowmobiling.

In the early 1990's, several instances of snowmobile harassment of caribou

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occurred on the IPNF, displacing the animals and causing the Forest Service to close a small portion of the forest—14 square miles—to snowmobiling in 1994, a closure that was expanded to 22 square miles the following year and remains in place. *SOF*  $\P\P$  22-24; *Rule Decl. Exhs.* 13-15.

The Service acknowledged the threat of snowmobiles in the 1994 Recovery Plan, noting that snowmobile use may displace caribou from important habitat; and included an objective to "reduce or eliminate the impacts of recreational activity on caribou and their habitat." *SOF* ¶ 25; *Rule Decl. Exh. 2 at 33*. To fulfill this objective, the agencies were to "develop standards pertaining to recreational activity in caribou habitat," and implement those standards as soon as possible. *Id*.

The Service expressed concerns two years later when the IPNF proposed to build a new parking lot for snowmobile trailers, stating that "we already know that [snowmobile] use is high and is increasing exponentially. . . . If snowmobilers are running all over caribou winter habitat, this will prevent caribou from ever moving into an area." *SOF* ¶ 27; *Rule Decl. Exh 19*. As a condition of the project, the IPNF agreed to develop and start implementing a winter recreation strategy prior to 1998 to reduce any adverse effects on caribou recovery. *SOF* ¶ 28; *Rule Decl. Exh. 20*.

The Service continued to emphasize the rapid expansion of snowmobiling in caribou winter habitat and the imminent need for a winter recreation strategy. *SOF*  $\P \P 29-30$ ; *Rule Decl. Exhs. 21, 22.* And the International Mountain Caribou Steering Committee included a requirement within its "Emergency Caribou Recovery Action Plan" to "develop a snowmobile access strategy by September 1999" that would identify areas of conflict and make recommendations for reducing or eliminating those conflicts. *SOF*  $\P 31$ ; *Rule Decl. Exh. 23.* Yet, by the beginning of 2001, no

strategy existed. SOF ¶ 40; Rule Decl. Exh. 1 at 49.

#### **Consultation Over IPNF Plan.**

In April 2001, the Service issued a revised Biological Opinion ("Biop") addressing the impacts to grizzly bear and caribou of continued implementation of the IPNF Plan. *See Rule Decl. Exh. 1*. The Service had previously consulted with the Forest Service over the Plan in 1986, but revised its opinion in order to conform to amended ESA regulations and address new information about the status of the species, the environmental baseline, the effects of the action, and cumulative effects. *SOF ¶ 33; Rule Decl. Exh. 1 at 1.* 

The 2001 amended IPNF Biop described the Selkirk Mountains population of woodland caribou as being "in decline and in danger of extirpation," and noted that one of the conservation needs of the species included "protection of the remaining suitable late winter habitat from winter recreation pressure." *SOF* ¶¶ 34-35; *Rule Decl. Exh. 1 at 14-16.* 

The IPNF Biop stated that snowmobiling in the Selkirks had increased rapidly in the past decade and continued to expand, both in numbers of participants and geographic area as more advanced machines allowed riders to venture farther off trails into previously inaccessible caribou habitat. *SOF* ¶ *37; Rule Decl. Exh. 1 at 48.* The opinion also discussed in detail the harmful effects of snowmobiling, citing to various studies showing that snowmobiles displace caribou from important habitat or preclude their use of that habitat, affecting their reproduction and survival. *SOF* ¶ *38; Rule Decl. Exh. 1 at 48.* Further, the opinion noted that additional stress caused by snowmobiles at a time when caribou have low nutrient intake can "significantly affect their normal behavior, including feeding, breeding, and sheltering, and could ultimately affect their survival capability." SOF ¶ 39; Rule Decl. Exh. 1 at 48.

Then the IPNF Biop discussed the lack of any specific standards in the IPNF Plan to restrict snowmobiling in caribou habitat, and the failure of the Forest Service to implement even generic standards to insure protection of caribou habitat. SOF ¶ 41; Rule Decl. Exh. 1 at 53. It noted that no regulatory mechanisms or strategies were in place to address winter recreation as required by the Recovery Plan, other than the one closure area from 1994. SOF ¶ 40; Rule Decl. Exh. 1 at 49. The Biop concluded that the lack of clear direction and limits on recreational activities within caribou habitat could cause increased risk of caribou displacement, harassment, or potential mortality, which could ultimately affect the reproduction, numbers, and distribution of caribou within the ecosystem. SOF ¶ 42; Rule Decl. Exh. 1 at 53.

Finally, the Biop also acknowledged that increasing recreational pressures on state and private lands within the caribou recovery area could lead to "significant impacts to caribou and their habitat," but did not describe in detail these activities or their impacts. *SOF* ¶ 43; *Rule Decl. Exh. 1 at 55-56.* 

Despite recognizing the inadequacy of the IPNF Plan to restrict snowmobiling and protect caribou, the Fish and Wildlife Service nevertheless concluded in its 2001 amended Biop that continued implementation of the Plan was "not likely to jeopardize" the continued existence of the Selkirk Mountains woodland caribou. *SOF* ¶ 44; *Rule Decl. Exh. 1 at 57.* To support this conclusion, the Biop simply asserted that the IPNF Plan "provided flexibility and discretionary authority" to implement actions for caribou. *SOF* ¶ 45; *Rule Decl. Exh. 1 at 57-58.* 

Notably, the Service had originally concluded that implementation of the IPNF Plan **would** jeopardize the caribou, and had formed a Reasonable and Prudent

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Alternative ("RPA") that would avoid jeopardizing the species. SOF  $\P$  46; Rule Decl. Exh. 25. But the Forest Service opposed the jeopardy determination, arguing that it had discretion under its IPNF Plan to implement the measures from the RPA, and promising to do so. Id. Apparently because of these assurances, the Service agreed to reverse its position and issue the "no-jeopardy" opinion.

The 2001 amended IPNF Biop also contained an Incidental Take Statement ("ITS"), which purported to authorize an "unquantifiable" amount of take that could occur during implementation of the IPNF Plan due to harm caused by "reduced habitat effectiveness resulting from the lack of . . . a comprehensive recreation strategy," or harassment "due to uncontrolled recreational activity within caribou habitat." *SOF* ¶¶ 47-48; *Rule Decl. Exh. 1 at 59.* The ITS concluded that the authorized incidental take would not result in jeopardy to the woodland caribou; but to minimize such take, it imposed a non-discretionary Term and Condition requiring the Forest Service to develop by January 2003 – and implement by January 2004 – a recreation strategy that identified standards and restrictions necessary to protect caribou and their habitat. *SOF* ¶¶ 49-51; *Rule Decl. Exh. 1 at 61& 68-69.* 

#### **Current Snowmobile Situation.**

As of the filing of this Motion, the Forest Service has not developed the required recreation strategy for the IPNF that contains standards and restrictions on snowmobile use in caribou habitat, and has no imminent plans to adopt one, as required by the Biop. *SOF ¶¶ 54-55; Rule Decl. Exhs. 27, 29.* At the same time, it continues to authorize, fund, and carry out trail grooming across much of the IPNF, under a "Challenge Cost-Share Agreement" with state and county agencies. *SOF ¶ 60-70; Rule Decl., Exh. 34.* As addressed in the accompanying Motion For TRO

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And/Or Preliminary Injunction, the Forest Service has **never** undertaken ESA Section 7 consultation over this Agreement, even though it allows snowmobile access into critical caribou winter habitat. *Id*.

In March 2004, the Forest Service issued a "Situation Summary and Management Strategy for Mountain Caribou and Winter Recreation on the Idaho Panhandle National Forest" ("Situation Summary"), describing areas of caribou use, habitat, and travel corridors, as well as areas of snowmobile use. *Rule Decl. Exh. 10*. But the Forest Service did not impose any standards or restrictions on snowmobile use, or identify areas that were inappropriate for snowmobiling in this document. Instead, it asserted that recreation would be addressed in the IPNF Plan revision, which will take several years. *SOF ¶ 57; Rule Decl. Exh. 10 at 4*.

The Situation Summary did provide a portrait of the current snowmobile situation on the IPNF, stating that 251 miles of snowmobile routes occur in the caribou recovery area, of which 77 miles are groomed trails, authorized by the Challenge Cost-Share Agreement. *SOF* ¶ 60; *Rule Decl. Exh. 10 at 12.* Over 50,000 acres of ungroomed "play areas" also exist in the caribou recovery zone on the IPNF, where snowmobilers go off-trail and run unhindered in large open areas. *SOF* ¶ 62; *Rule Decl. Exh. 10 at 12.* This trail and backcountry system is very popular and receives heavy use in winter, including use within off-limit areas. *SOF* ¶¶ 63-64; *Rule Decl. Exh. 10 at 17; Sprengel Decl.* ¶ 11.

As explained below, given these undisputed facts, the Service's no-jeopardy determination in the IPNF Biop and its authorization of "unquantified" take in the ITS were arbitrary, capricious, and contrary to the ESA. Further, Defendants' failure to reinitiate consultation when the IPNF did not meet the non-discretionary Terms

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and Conditions within the ITS was unlawful; as is the Forest Service's failure to consult over the IPNF Challenge Cost-Share Agreement. Accordingly, the Court should grant partial summary judgment to Plaintiffs on these claims; reverse and remand the 2001 IPNF Biop and ITS; and order Defendants to undertake full consultation as required by the ESA.

#### **ARGUMENT**

# I. STANDARDS OF REVIEW.

Partial summary judgment is appropriate where no genuine issues of material fact exist, and the moving party is entitled to judgment as a matter of law on one or more issues or claims presented. Fed. R. Civ. P. 56; *Anderson v. Liberty Lobby, Inc.*, 477 U.S. 242, 247 (1986).

Under the Administrative Procedure Act ("APA"), the Court must reverse and set aside final agency actions that are "arbitrary, capricious, an abuse of discretion, or otherwise not in accordance with law." 5 U.S.C. § 706(2)(A). Biological opinions, such as the 2001 Biop challenged here, are final agency actions subject to the arbitrary and capricious standard. *Pacific Coast Federation of Fishermen's Ass'n v. NMFS*, 265 F.3d 1028, 1033-34 (9<sup>th</sup> Cir. 2001) ("PCFFA").

Under this standard, the Court must look at whether the agency considered the relevant factors and articulated a rational connection between the facts found and the choice made. *Id.* at 1034. "A biological opinion may also be invalid if it fails to use the best available scientific information as required by 16 U.S.C. § 1536(a)(2)." *Id.* 

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# II. THE IPNF BIOP VIOLATES THE APA AND ESA.

The ESA requires the Forest Service to consult with the Service over any action that may affect the endangered caribou, to ensure that the action is not likely

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to jeopardize the continued existence of the species. 16 U.S.C. § 1536(a)(2). The agencies must use the best scientific and commercial data available in carrying out this consultation duty. *Id.* "Jeopardize" means to "reduce appreciably the likelihood of both the survival and recovery of a listed species in the wild by reducing the reproduction, numbers, or distribution of that species." 50 C.F.R. § 402.02. If the Service determines that an action will jeopardize the species, it shall suggest a Reasonable and Prudent Alternative action ("RPA") that would avoid jeopardizing the species. 16 U.S.C. § 1536(b)(3).

# A. The Service failed to make a rational connection between the facts and science in the IPNF Biop and its no-jeopardy conclusion.

As stated above, this Court must look at whether the Service "considered the relevant factors and articulated a rational connection between the facts found and the choice made" when deciding if the IPNF Biop is arbitrary and capricious. *PCFFA*, 265 F.3d at 1034 (internal quotations omitted). The Ninth Circuit recently explained that "internally contradictory agency reasoning renders resulting action 'arbitrary and capricious;' such actions are not 'founded on a reasoned evaluation of the relevant factors." *Defenders of Wildlife v. EPA*, 420 F.3d 946, 959 (9th Cir. 2005), *quoting Ariz. Cattle Growers' Ass'n v. USFWS*, 273 F.3d 1229, 1236 (9<sup>th</sup> Cir. 2001).

Courts have overturned biological opinions that reached no-jeopardy conclusions when those conclusions were not supported by the facts and science in the record. *See e.g. PCFFA*, 265 F.3d at 1037-38 (finding no-jeopardy conclusion arbitrary and capricious where agency disregarded site-specific and short-term degradation to the habitat); *National Wildlife Federation v. Norton*, 332 F. Supp.2d 170, 176-77 (D.D.C. 2004) (finding no rational basis for no-jeopardy determination

when Service did not explain how the factors it relied on supported its conclusion); *Northwest Environmental Advocates v. EPA*, 268 F. Supp.2d 1255, 1272 (D. Or. 2003) (finding no-jeopardy determination arbitrary and capricious where record was filled with evidence and findings that new water quality standards did not protect fish); *Greenpeace v. National Marine Fisheries Service*, 55 F. Supp.2d 1248, 1266-67 (W.D. Wash. 1999) (determining that RPA was arbitrary and capricious when Service did not provide a rational explanation to justify its conclusion that the alternative action would not jeopardize the species).

Likewise, the Service's conclusion here that implementation of the IPNF Plan would not jeopardize the caribou was arbitrary and capricious, in light of the facts and science presented in the IPNF Biop which acknowledge the harm to caribou from snowmobiling, and the lack of standards in the Plan to address those harms. As discussed above and in Plaintiffs' Separate Statement of Facts, the IPNF Biop recognized that the Selkirk Mountains population of woodland caribou was "in decline and in danger of extirpation." It also explained that growing recreation pressure was one of the major threats to caribou. Snowmobiling in particular was expanding "exponentially" both in numbers of participants and geographic area.

When discussing the effects of snowmobiling on caribou, the IPNF Biop stated that, "it is known that snowmobile use in winter habitats can displace caribou from important habitats or preclude their use of such habitat." *Rule Decl. Exh. 1 at* 48. The opinion then cited a number of studies to support this statement and explained in detail the harmful impacts from such displacement and added stress. *Id.* And it cited no conflicting studies or contrary evidence.

Similarly, the Service did not equivocate in its analysis of the IPNF Plan,

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explaining that the lack of any specific standards regulating recreation activities in caribou habitat could have multiple harmful effects to caribou, which "could ultimately affect the reproduction, numbers, and distribution of caribou within the ecosystem." *Id. at 53*.

The facts and science presented in the IPNF Biop, therefore, established that snowmobiling is a serious threat to the Selkirk Mountains caribou, and that the IPNF Plan does not have adequate standards to address the problem. Those facts wholly undermine the Service's conclusion that continued implementation of the Plan would **not** reduce the reproduction, numbers, and distribution of the species, thereby reducing the likelihood of its survival and recovery—i.e. jeopardize the species. This "internally contradictory" reasoning failed to connect the facts with the conclusion, and renders the IPNF Biop arbitrary and capricious. *Defenders of Wildlife*, 420 F.3d at 959; *PCFFA*, 265 F.3d at 1034.

The Service tried to justify its conclusion by stating that the critical status of the caribou was due largely to factors beyond the control of the IPNF; the IPNF Plan provided "flexibility and discretionary authority" to implement measures to protect caribou; and the IPNF "employs adaptive management" to update guidance as new information becomes available. *Rule Decl. Exh. 1 at 57-58*. None of these reasons are sufficient to justify the Service's no-jeopardy conclusion.

First, the underlying reasons for the caribou's critically endangered status do not change the fact that **this** action—implementation of the IPNF Plan—might jeopardize the species. The regulations require the Service to consider in the consultation process only the current status of the species along with the effects of the action and cumulative effects. 50 C.F.R. § 402.14(g).

Second, even if the IPNF has flexibility under its Plan and can use adaptive management to take measures to protect caribou, the IPNF Biop did not include any such measures as part of the proposed action or as an RPA. As courts have held, any commitment to take future actions cannot be the basis of a no-jeopardy conclusion, unless those commitments are reasonably certain to occur and enforceable.

For instance, in *Northwest Environmental Advocates*, the court ruled that a commitment by Oregon to undertake conservation measures could not support a no-jeopardy finding when there were no assurances in the biological opinion that the measures were likely to occur. 268 F. Supp.2d at 1273. The "reliance on future state commitments was arbitrary and capricious given the strong evidence in the record counseling against a no-jeopardy finding and indicating that Oregon's commitments were largely speculative and unenforceable." *Id.* 

Likewise, in *Center for Biological Diversity v. Rumsfeld*, 198 F. Supp.2d 1139, 1154 (D.Ariz. 2002), the court ruled that the Service could not rely on mitigation measures that were not incorporated into the biological opinion as part of the proposed action or as an RPA. *Rumsfeld* noted that, to justify a no-jeopardy opinion, mitigation measures must be certain to occur, enforceable, and address the threats to the species. *Id.* at 1152 (*citing Sierra Club v. Marsh*, 816 F.2d 1376 (9<sup>th</sup> Cir. 1987)). *See also Defenders of Wildlife*, 420 F.3d at 974 (concluding that a Memorandum of Agreement was not sufficient to assure against jeopardizing a species because it relied on voluntary cooperation by a State agency and was not enforceable by the Service); *compare to Selkirk Conservation Alliance v. Forsgren*, 336 F.3d 944, 964 (9<sup>th</sup> Cir. 2004) (holding that Service could reasonably rely on Conservation Agreement that was incorporated into the biological opinion as part of

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the proposed action and was enforceable).

Based on the above cases, the IPNF's flexibility and "commitment" to implement measures such as those proposed in the draft RPA, *see SOF* ¶ 46; *Rule Decl. Exh 25*, were not adequate to support the no-jeopardy finding. No mitigation measures were incorporated into the biological opinion and, based on the poor track record of the IPNF with regard to development of a recreation strategy, such measures were not certain to occur. Because the facts in the IPNF Biop warranted a jeopardy finding—as the Service had previously concluded—and because any commitment by the IPNF was unenforceable and uncertain to occur, the Service's no-jeopardy conclusion was irrational, and the IPNF Biop must be reversed.

## **B.** The Service did not rely on the best available science.

The ESA requires agencies to use the best available science in issuing a biological opinion and making jeopardy or no-jeopardy determinations. 16 U.S.C. § 1536(a)(2); *PCFFA*, 265 F.3d at 1034. "This standard requires far less than conclusive proof." *Greenpeace*, 55 F. Supp.2d at 1262. Decisions based on uncertain science are valid as long as that science is the best available. *Greenpeace Action v. Franklin*, 14 F.3d 1324, 1337 (9<sup>th</sup> Cir. 1993).

Here, the Service's IPNF Biop employed the best science in analyzing the perils facing the caribou and the adverse effects of snowmobiling. *See Simpson Decl.* ¶ 26. Yet, it then ignored that science, in violation of the ESA, to reach its no-jeopardy conclusion. *See Connor v. Burford*, 848 F.2d 1441, 1454 (9<sup>th</sup> Cir. 1988) ("In light of the ESA requirement that the agencies use the best scientific and commercial data available to insure that protected species are not jeopardized, 16 U.S.C. § 1536(a)(2), the [Service] cannot ignore available biological information.");

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*Resources Ltd v. Robertson*, 35 F.3d 1300, 1304-05 (9<sup>th</sup> Cir. 1994) (biological opinion was not based on the best available science, where agency's "own studies raise serious questions" about effects on grizzly bear).

Accordingly, because the Service did not base its "no-jeopardy" determination on the best available science, contrary to the requirements of the ESA, this Court must reverse that determination.

#### C. The Service failed to adequately consider cumulative effects.

The Service must also consider cumulative effects when assessing whether a proposed action will jeopardize a species. 50 C.F.R. § 402.14(g)(3). Cumulative effects include effects of "future State or private activities, not involving Federal activities, that are reasonably certain to occur within the action area of the Federal action subject to consultation." *Id.* § 402.02.

To fulfill this requirement, the IPNF Biop should have discussed future activities that are likely to occur on nearby state and private lands, and assessed how those activities would impact the woodland caribou, in order to determine whether these cumulative effects along with the IPNF's actions might jeopardize the continued existence of the species. 40 C.F.R. § 402.14(g)(4); *Greenpeace v. NMFS*, 80 F. Supp.2d 1137, 1149 (W.D.Wash. 2000) (holding that mere listing of future activities without any explanation or analysis of how those activities may affect the listed species was not sufficient to consider cumulative effects); *National Wildlife Federation*, 332 F. Supp.2d at 178-79 (finding cumulative effects analysis inadequate where the Service did not adequately identify and discuss reasonably certain future activities).

The Service failed to satisfy this requirement. The IPNF Biop contains

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precious little information about effects of snowmobiling or other activities on nearby state and private lands within the Selkirk caribou's winter habitat. The IPNF Biop simply stated that "timber harvest on [state and private lands], and increasing recreation pressures represent significant threats;" and "such activities are expected to result in increased road densities, human access, and habitat fragmentation, which could result in significant impacts to caribou and their habitat." *Rule Decl. Exh. 1 at 55-56.* This discussion did not provide any detail to identify the recreation activities that were likely to occur on these lands or their extent, and how such activities would impact caribou, other than to state that the impacts would be "significant."

Furthermore, the Service did not explain why the combination of these "significant impacts" from cumulative effects and the harmful effects from implementing the IPNF Plan would not jeopardize the caribou. Again, the Service's findings did not support its conclusion, rendering the IPNF Biop arbitrary, capricious, and contrary to the ESA.

# III. THE INCIDENTAL TAKE STATEMENT ALSO VIOLATES THE APA AND ESA.

The ESA prohibits unauthorized "take" of any endangered species, with "take" defined to include not just killing or injuring the animals, but also harassing or harming them. 16 U.S.C. §§ 1538, 1532(19). During the consultation process, the Service must determine if any take will occur that is incidental to the proposed action and, if so, issue an ITS to authorize such otherwise illegal take. *Id.* § 1536(b)(4); 50 C.F.R. § 402.14(i). The ITS must specify the amount or extent of incidental take, reasonable and prudent measures necessary or appropriate to minimize take, and terms and conditions to implement those measures. *Id.* The

Service must also insure that the action and resultant incidental take will not jeopardize the species. *Id.* 

The ITS here explained that implementation of the IPNF Plan may result in incidental take of woodland caribou, due to reduced habitat effectiveness resulting from the lack of management strategies, such as a recreation strategy; or due to uncontrolled recreational activity. *Rule Decl. Exh. 1 at 59*. But the ITS did not specify how much incidental take was likely to result, asserting instead that the expected level of take is "unquantifiable." *Id.* And yet the Service concluded that "this level of anticipated take is not likely to result in jeopardy to the woodland caribou." *Id. at 61*. These conclusions are arbitrary, capricious, and violate the ESA in several respects.

#### A. The Service failed to quantify the amount or extent of take.

First, the ITS failed to identify the level of incidental take that the Service projected, and which it deemed would not cause jeopardy to the species. As the Ninth Circuit recently emphasized, an ITS must express the amount or extent of take in some form, either as a numeric value or as a surrogate ecological condition that has some connection to the taking of the species. *Arizona Cattle Growers' Ass'n v. U.S. Fish and Wildlife*, 273 F.3d 1229, 1250-51 (9<sup>th</sup> Cir. 2001). "Incidental Take Statements set forth a 'trigger' that, when reached, results in an unacceptable level of incidental take, invalidating the safe harbor provision, and requiring the parties to reinitiate consultation." *Id.* at 1249. In other words, the ITS "serves as a check on the agency's original decision that the incidental take of listed species resulting from the proposed action will not violate section 7(a)(2) of the ESA." *Natural Resources Defense Council v. Evans*, 364 F. Supp.2d 1083, 1133 (N.D.Cal. 2003).

By failing to identify the amount or extent of take of caribou here, through a numeric value or surrogate habitat conditions, the ITS in the IPNF Biop provided no "trigger" for the reinitiation of consultation. Instead, it stated that the level of take was "unquantifiable." Because an unquantified level of take can never be exceeded, the Service will never have to reinitiate consultation to reevaluate whether the action is causing jeopardy to the species. Like in *Arizona Cattle Growers*, the Service's "failure to properly specify the amount of anticipated take and to provide a clear standard for determining when the authorized level of take has been exceeded is arbitrary and capricious," and violates the ESA. 273 F.3d at 1251.

# **B.** The Service's conclusion that incidental take would not jeopardize the species was unreasonable.

Second, the Service's conclusion that "this level of anticipated take" was not likely to jeopardize the caribou was also unlawful and unreasonable, because the Service had not estimated the level of authorized take. An "unquantifiable" amount of take could result in any number of caribou being killed or injured; and given the very small number of remaining Selkirk caribou, the Service could not rationally conclude that no jeopardy would occur without knowing what that number was.

Indeed, the precarious status of the Selkirk Mountains population shows that
any take of the species would likely result in jeopardy. The remaining population
numbers only about 35 animals, and is "in decline and in danger of extirpation." *Rule Decl. Exh. 1 at 15.* The Recovery Plan similarly emphasized that this species is
one of the "most critically endangered mammals in the U.S. Additional losses could
be disastrous . . . " *Rule Decl. Exh. 2 at 15.*

With such a small population, loss of even one individual would likely reduce

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the chances of the species' survival and recovery. As explained by caribou expert Keith Simpson, loss of one or more animals from this small population could irreparably impair the population's ability to persist. *Simpson Decl.* ¶¶ 36-37. Thus, the Service's conclusion that incidental take would not jeopardize the species was arbitrary and capricious, and violates the ESA.

#### IV. THE AGENCIES VIOLATED THE ESA BY FAILING TO REINITIATE CONSULTATION OVER THE IPNF BIOP.

Under the ESA regulations, reinitiation of consultation is required if "new information reveals effects of the action that may affect listed species . . . in a manner or to an extent not previously considered." 50 C.F.R. § 402.16.

As noted above, the IPNF Biop contained non-discretionary terms and conditions to implement measures needed to minimize incidental take of caribou. One of these terms required the IPNF to develop and implement a recreation strategy with standards and restrictions necessary to protect caribou, including defining where recreation was appropriate and inappropriate. *Rule Decl. Exh. 1 at 68.* This strategy was to be developed by January 2003 and implemented by January 2004. *Id. at 68-69.* But the Forest Service has completely failed to meet this requirement.

Such failure to meet the requirements of a biological opinion represents "new information" that triggers the duty to reinitiate consultation. In *Sierra Club v*. *Marsh*, 816 F.2d 1376 (9<sup>th</sup> Cir. 1987), an agency failed to insure the completion of key mitigation measures that the biological opinion assumed would occur. Because the agency's failure undermined the key assumptions concerning the impacts of the action, the Court ordered the agency to reinitiate consultation. *Id.* at 1388-89.

Similarly, the Forest Service here has failed to implement a key measure—a

recreation strategy—that the Service assumed it would complete, when the Service rendered its "no-jeopardy" opinion. Further, the agencies are aware that snowmobile use continues to grow on the IPNF, and is occurring farther off-trail in previously inaccessible caribou winter habitat. Some of this use has even occurred in areas closed to snowmobiling, including the area closed since 1994 to protect caribou. *Sprengel Decl. ¶ 11.* These circumstances present new information revealing greater effects to the species than what was considered in the IPNF Biop, triggering the need for reinitiation of consultation. The agencies' failure to do so violates the ESA; and accordingly, Plaintiffs are entitled to partial summary judgment on this issue.

#### V. ESA VIOLATIONS OVER COST-SHARE AGREEMENT.

Finally, the Forest Service is also violating ESA Section 7, because it has never undertaken consultation over the IPNF Challenge Cost-Share Agreement, and hence cannot meet its ESA duty to ensure that implementation of that Agreement does not jeopardize the Selkirk caribou.

# A. The Forest Service Has Admittedly Failed To Consult Over the Cost-Share Agreement.

As explained in the accompanying Motion for TRO And/Or Preliminary Injunction, there can be no dispute that the Forest Service's IPNF Challenge Cost-Share Agreement represents ongoing agency "action" over which it must conduct ESA Section 7 consultation.

The ESA defines agency "action" under Section 7 as encompassing "all activities or programs of any kind authorized, funded, or carried out, in whole or in part, by Federal agencies in the United States or upon the high seas," including "the granting of licenses, contracts, leases, easements, rights-of-way, permits, or grants-in-

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aid." 40 C.F.R. § 402.02. "Section 7 and the requirements of this Part apply to all actions in which there is discretionary Federal involvement or control." *Id.* § 402.03.

The Ninth Circuit has "construed 'agency action' broadly," *Pacific Rivers Council v. Thomas*, 30 F.3d 1050, 1055 (9<sup>th</sup> Cir. 1994), and thus has determined that logging projects, oil and gas leases, renewals of water contracts, fishing permits, and the registration of pesticides all require Section 7 consultation. *Id; Thomas v. Peterson*, 753 F.2d 754 (9<sup>th</sup> Cir. 1985); *Conner v. Burford*, 848 F.2d 1441 (9<sup>th</sup> Cir. 1988); *NRDC v. Houston*, 146 F.3d 1118 (9<sup>th</sup> Cir. 1998); *Turtle Island Restoration v. NMFS*, 340 F.3d 969 (9<sup>th</sup> Cir. 2003); *Washington Toxics Coalition*, 413 F.3d 1024 (9<sup>th</sup> Cir. 2005).

The Cost-Share Agreement at issue here falls squarely within this definition of "agency action," requiring ESA Section 7 consultation. The Agreement expressly authorizes the use of the IPNF lands for "snowmobiling and the grooming program." *Rule Decl. Exh. 31 at 3.* Further, it requires the Forest Service carry out various activities related to the trail grooming program, including participating in the development of the AOPs and Financial Plans, performing off-season maintenance activities, and monitoring the snowmobile routes during the winter season. *Id. at 3-4.* The Cost-Share Agreement also commits the Forest Service to help fund the trailgrooming program, by "provid[ing] assistance, funds, and personnel to assist with the snowmobile trail-grooming program." *Id. at 4.* By way of example, the IPNF committed expenses in the amount of \$8,100.00 to the program for fiscal year 2004. *Rule Decl. Exh. 33.* 

This and other Forest Service management actions have thus led to the development of 251 miles of snowmobile trails in the caribou recovery area,

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including the 77 miles that the agency and its Cost Share Agreement partners groom on a regular basis. Just as oil and gas leases, water contract renewals, and fishing permits authorize activities on federal lands or under federal management, the Cost-Share Agreement authorizes snowmobiling and trail-grooming on federal lands, and imposes requirements on the IPNF to participate in this program.

Moreover, this Agreement has ongoing and lasting effects as it continues to govern the trail grooming program, and imposes continuing obligations to develop AOPs and financial plans each year to implement snowmobile trail-grooming. The Forest Service has discretion over this ongoing action to impose conditions to benefit the woodland caribou. *See Rule Decl. Exh. 1 at 9 & 53* (noting that current Forest Plan has generic standards that could be used to restrict motorized use and implement seasonal closures where needed to protect caribou); *id., Exhs. 15-16* (describing closure of area to snowmobiling to protect woodland caribou).

In short, the Cost-Share Agreement is an ongoing agency action, over which the Forest Service is obliged by ESA Section 7 to undertake consultation and ensure it is not jeopardizing caribou. *Washington Toxics Coalition*, 413 F.3d at 1033; *Turtle Island*, 340 F.3d at 974.

Yet the Forest Service **admits** that it has not consulted with the Service over the impacts from this action on endangered woodland caribou. *SOF* ¶ 70; *Rule Decl. Exh. 34; Def. Answer to Complaint* ¶ 55. Accordingly, the Forest Service is violating ESA Section 7(a)(2) based on this ongoing failure to consult over the IPNF Challenge Cost-Share Agreement.

## B. The Forest Service Is Failing To Ensure That Its Actions Are Not Likely To Jeopardize The Woodland Caribou.

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Again, the ESA directs agencies to undertake the Section 7 consultation process in order to fulfill the ESA's substantive requirement to avoid jeopardizing a listed species. *Sierra Club v. Marsh*, 816 F.2d 1376, 1389 (9<sup>th</sup> Cir. 1987); *see also Washington Toxics Coalition*, 413 F.3d at 1035 ("The purpose of the consultation process . . . is to prevent later substantive violations of the ESA.").

Because the Forest Service has not undertaken Section 7 consultation over the IPNF Challenge Cost-Share Agreement for the snowmobile trail-grooming program, it thus cannot meet this substantive ESA duty to "ensure" that implementation of the Agreement is not likely to jeopardize the caribou.

In fact, the evidence establishes that the continued implementation of the Cost-Share Agreement will lead to – or contribute to – jeopardizing the continued existence of the woodland caribou. As emphasized by the Service, the Caribou Recovery Team, and the International Mountain Caribou Steering Committee, a recreation strategy with standards and restrictions on snowmobile use in caribou winter habitat is vital to protect these animals and their habitat. *SOF* ¶¶ 25-31, 50-53; *Rule Decl. Exh. 1 at 50, Exh. 2 at 33, Exhs. 21, 22, 23, 26.* The Steering Committee included objectives in both the 1999 and 2001 Emergency Action Plans to create an "Emergency Snowmobile Strategy," including recommendations for reducing or eliminating snowmobile conflicts with caribou. *Rule Decl. Exhs. 23, 26.* And in the 2001 Plan, the Committee specifically noted that these tasks were "of the highest priority to maintain the Selkirk Mountains Woodland Caribou population," and it was their "professional opinion that funding and implementing these tasks are essential to conserve the Selkirk caribou population." *SOF* ¶ 53; *Rule Decl. Exh. 26.* 

The Forest Service likewise recognizes the harmful effects to caribou from

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snowmobiling, documenting these harms in its "Situation Summary and Management Strategy For Mountain Caribou And Winter Recreation On The Idaho Panhandle National Forests" ("Situation Summary"). This report describes impacts such as displacement from and abandonment of preferred habitat, excess energy expenditure to avoid the machines, and added stress, all resulting in reduced survival and reproduction capability. *SOF ¶¶ 16-20; Rule Decl. Exh. 10 at 25-26.* It also notes that "snowmobile use within caribou winter range increases caribou vigilance and movements, thus potentially resulting in reduced survival. Winter recreation use causes displacement in most cases and potentially avoidance of areas used by snowmobiles. Long term effects of snowmobile use includes fragmentation and isolation of local herd groups, disruption of winter movement patterns and reduction of amount of area available to caribou." *SOF ¶ 21; Rule Decl. Exh. 10 at 26-27. See also Rule Decl. Exh. 1 at 48; Simpson Decl. ¶¶ 18-26, 31-32* (describing adverse effects to caribou from snowmobile use).

The Forest Service further admits in its Situation Summary that an extensive snowmobile trail system exists on its IPNF lands, including 251 miles of snowmobile routes, 77 miles of groomed trails, and over 50,000 acres of play areas within the caribou recovery zone on the IPNF. SOF ¶¶ 60-62; Rule Decl. Exh. 10 at 12. These trails and play areas overlap with important winter habitat and travel corridors for caribou; and many of the snowmobile routes "impact capable and suitable early and late winter habitat for caribou. And may provide a source of displacement for caribou." Rule Decl. Exh. 10 at 30-31, 39, 47. Snowmobile use of these areas may not only displace and stress the caribou that are in Idaho, but may also preclude the use of this habitat for the animals that are currently in Canada,

largely reducing the available habitat for this population. *See Rule Decl. Exh. 10 at* 9 (table showing 31% of caribou recovery area contained within the IPNF); *Simpson Decl.* ¶¶ 31, 40.

As explained in the accompanying Declaration of Keith Simpson, a leading caribou expert and researcher, these combined effects could reduce the survival and recovery of the Selkirk Mountains population by reducing the reproduction, numbers, or distribution of the species. *See Simpson Decl. ¶ 32. See also Rule Decl. Exh. 1 at 54* (explaining that unrestricted snowmobiling could cause displacement, harassment, or potential mortality of caribou, and ultimately affect their reproduction, numbers, and distribution within the ecosystem).

Yet the IPNF has not implemented any restrictions on snowmobile use nor closed any areas to reduce conflicts with caribou since the limited initial closure in 1994/1995. Despite acknowledged harms to caribou, and repeated assertions by the Service and other caribou experts of the need to impose restrictions on snowmobiling, the Forest Service is continuing to authorize, and indeed promote, unrestricted snowmobile use throughout caribou winter habitat.

In short, by developing and implementing the Cost-Share Agreement without any standards or restrictions in place to protect caribou from snowmobiling, the Forest Service has failed to ensure that its actions are not likely to jeopardize the continued existence of the woodland caribou, in violation of the ESA, 16 U.S.C. § 1536(a)(2). Accordingly, Plaintiffs are entitled to partial summary judgment on this issue, as well as the others discussed above.

## **CONCLUSION**

For the foregoing reasons, Plaintiffs respectfully pray that the Court grant this

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1	motion; enter partial summary judgment in their favor on the issues set forth above;				
2	reverse and remand the IPNF Biop; and order Defendants to fully consult over all				
3	IPNF actions that may affect caribou, including the Challenge Cost-Share				
4	Agreement and the Forest Service's failure to implement terms and conditions				
5	required by the Service. Plaintiffs also reserve the right to seek further injunctive or				
6	remedial relief from this Court, while Defendants cure their violations of law set				
7	forth herein.				
8					
9	Dated this 9th day of November 2005.				
10	Respectfully submitted,				
11					
12	s/Lauren M. Rules/Michael T. Leahy				
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