

Sachi De Souza

From: David Harpley <david@canadianzinc.com>
Sent: March-18-16 1:24 PM
To: Sachi De Souza
Subject: FW: NWT Boreal Caribou Range inquiry
Attachments: Canadian Zinc - Prairie Creek - WMIS - caribou.png

Sachi, please post the attached file and this email string on the registry.

Thanks.

David Harpley
VP, Environment and Permitting Affairs
Canadian Zinc
Home Office 604 594 3855, Office 604 688 2001

From: James Hodson [James_Hodson@gov.nt.ca]
Sent: March-18-16 9:16 AM
To: David Harpley; Bonnie Fournier
Cc: Joanna Wilson; Nic Larter
Subject: RE: NWT Boreal Caribou Range inquiry

Hi David,

Please find attached a map that I prepared a while back that shows boreal caribou collar data and caribou sightings data from our Wildlife Management Information System near the access road and community of Nahanni Butte. The range boundary displayed on the map is that used by Environment Canada in the 2012 national recovery strategy which I believe was based on information that the GNWT provided them. The range boundary appears to be determined based on a combination of the western edge of the Taiga Plains ecoregion and a ~30 km buffer around boreal caribou collar locations and sightings. GNWT has not deployed collars on boreal caribou on the west/north side of the Liard river near the access road so we do not have very much information in that area, but based on information provided by Nahanni Butte at recent boreal caribou range planning meetings the area around the southern portion of the access road may support low densities of boreal caribou.

Hope that helps,

James

From: David Harpley [<mailto:david@canadianzinc.com>]
Sent: Thursday, March 17, 2016 1:33 PM
To: Bonnie Fournier
Cc: Joanna Wilson; James Hodson; Nic Larter
Subject: RE: NWT Boreal Caribou Range inquiry

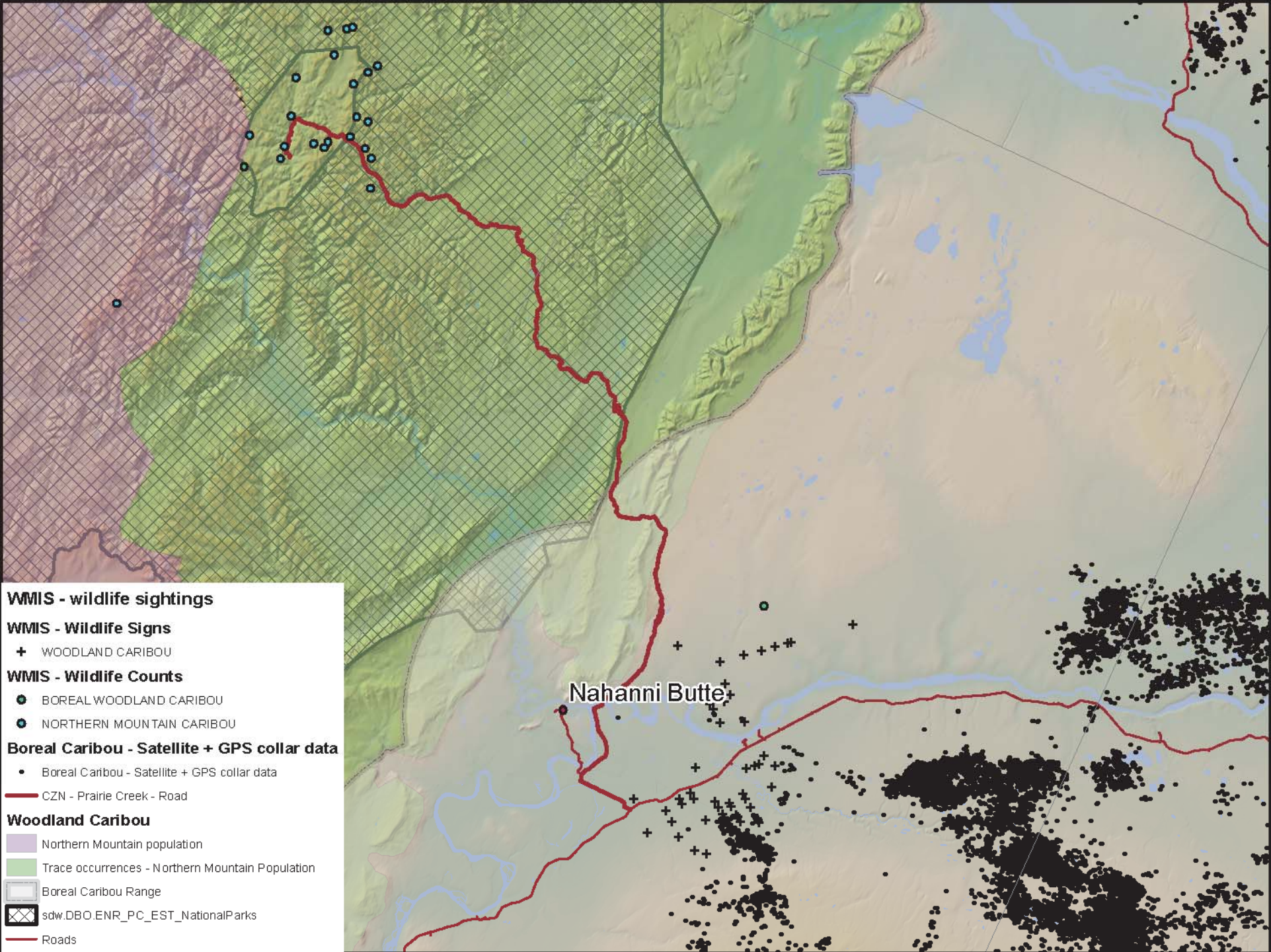
Bonnie, the attached maps show the location of our access road. It is permitted for winter use, but we are now in EA for all season use. My question relates to the relatively recent change (expansion) of boreal caribou range. The western edge of the range used to be the Front Range. It was changed to the Silent Hills further west. I want to know what prompted this. Was it based on projection, buffer zones as you postulated, or was it based on sightings? I ask because I'm not aware of any such sightings, rather we have not seen caribou in the lowlands during any of our studies near the road, and no mention has been made of such in any of our engagements with Nahanni Butte members.

Thanks.

David Harpley
VP, Environment and Permitting Affairs
Canadian Zinc
Home Office 604 594 3855, Office 604 688 2001

124°0'0"W

62°0'0"N



WMIS - wildlife sightings

WMIS - Wildlife Signs

- + WOODLAND CARIBOU

WMIS - Wildlife Counts

- BOREAL WOODLAND CARIBOU
- NORTHERN MOUNTAIN CARIBOU

Boreal Caribou - Satellite + GPS collar data

- Boreal Caribou - Satellite + GPS collar data

— CZN - Prairie Creek - Road

Woodland Caribou

- Northern Mountain population
- Trace occurrences - Northern Mountain Population
- Boreal Caribou Range
- sdw.DBO.ENR_PC_EST_NationalParks
- Roads

124°0'0"W

122°0'0"W