

Mackenzie Valley Land and Water Board  
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FILE NUMBER: MY2004C0030

Date: July 17, 2006  
To: Dehcho Region Distribution List  
Organization: See attached list  
Fax Number: See attached list  
From: Sarah Baines  
Number of pages including cover 6

**Wildlife Survey, Phase 3 Drilling at Prairie Creek**

Attached are copies of the letters exchanged between Canadian Zinc and GNWT-ENR regarding the wildlife survey required by the environmental assessment for the Phase 3 drilling at Prairie Creek.

Regards,

*S Baines*

- Enclosures
- As requested
- For your information
- For your comment
- For your approval

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Chief Eric Sunshine	K'atlodeeche First Nation (Hay River)	20	867-874-3229
Chief Lloyd Chicot	Ka'a'gee Tu First Nation (Kakisa)	21	867-825-2002
Chief Tim Lennie	Pehdzeh Ki First Nation (Wrigley)	23	867-581-3229
Chief Keyna Norwegian	Liidlil Kue First Nation (Ft Simpson)	25	867-695-2665
Grand Chief Herb Norwegian	Dehcho First Nations	35	867-695-2038
Chief Eric Betsaka	Nahanni Butte First Nation	36	867-602-2910
Chief Dennis Deneron	Sambaa K'e Dene Band (Trout Lake)	38	867-206-2828
President Robert Tordiff	Northwest Territory Métis Nation	45	867-872-2772

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Mayor Raymond Michaud	Village of Fort Simpson	17	867-695-2005
Mayor Maggie Levavasseur	Hamlet of Fort Providence	18	867-699-3360
Mayor Winnie Cadieux	Enterprise Settlement Corporation	24	867-984-3400

## ABORIGINAL ORGANIZATIONS

Laura Pitkanen	Dehcho Representative		705-756-4466
President Vern Jones	Hay River Métis Government Council		867-874-4472
President Marie Lafferty	Fort Simpson Metis Local #52		867-695-2040
President Albert Lafferty	Ft. Providence Metis Council Local #57		867-699-4319
Darren Campbell	Fort Providence Resource Management Board	27	867-699-3133
Shirely Cook	Dene Nation	40	920-2254
Heidi Wiebe	Deh Cho Land Use Planning Committee	41	867-699-3166
Frank Kotchea	Nahendeh Land & Environmental Services	43	867-770-4573

## GOVERNMENT

Ed Hornby	South Mackenzie District Office	57	669-2720
Kathleen Racher	DIAND – Water Resources	58	669-2716
Mineral Development Advisor	Mineral Development Division	59	669-2705
Tom Andrews	GNWT - Prince of Wales Heritage Museum	60	873-0205
Jason McNeill	GNWT - ENR	63	873-4021
Duane Fleming	GNWT - Health	65	669-7517
Greg Brady	GNWT – ITI		873-0645
Mike Fournier	Environment Canada	66	873-8185
Josephine Simms	WCB	67	873-4596
Ernest Watson	DFO	68	669-4940

## OTHERS

Mandell Pinder, Barrister & Solicitors	(Ka'a'gee Tu First Nation)		604-681-0959
Doug Bryshon	Dev. Corp Mgr Sambaa K'e(Trout Lake)	44	867-874-4505
Peter Redvers	Research Cons. Sambaa K'e	44	867-874-4505
Chuck Blyth	Nahanni National Park Reserve	46	867-695-2446
Katherine Cumming	Parks Canada	47	204-983-0031
Jennifer Morin	CPAWS	49	873-9593
Vern Christensen	MVEIRB	50	766-7074
Dave Harpley / Alan Taylor	Canadian Zinc Corporation	61	403-292-5503

If there is an error in our contact, please notify our office.

# *Facsimile*

**Name:** Mr. Bob Wooley, Executive Director

**Organization:** Mackenzie Valley Land and Water Board

**Fax:** (867) 873-6610

**From:** Charlotte Henry, Indian and Northern Affairs Canada

**Phone:** (867) 669-2616

**Fax:** (867) 669-2701

**Date:** July 11, 2006

**Subject:** Response to June 13, 2006 letter re: Wildlife Management Plan for Decline Development and Pilot Plant Operation at Prairie Creek.

**Pages:** 2, including cover

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Please see the attached letter.

Charlotte Henry  
Environmental Scientist  
Environment & Conservation  
Department of Indian Affairs and Northern Development

Box 1500  
Yellowknife NT X1A 2R3

Ph: 867-669-2616

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Indian and Northern  
Affairs Canada

Affaires indiennes  
et du Nord Canada

Box 1500  
YELLOWKNIFE NT X1A 2R3

July 7, 2006

Bob Wooley  
Executive Director  
Mackenzie Valley Land and Water Board  
P.O. Box 2130  
YELLOWKNIFE NT X1A 2P6

Mackenzie Valley Land  
& Water Board

File

JUL 11 2006

Application # MV2001C0023  
MV2004C0030

Copied To mm/Reg.

File Numbers: MV2001C0023 and MV2004C0030

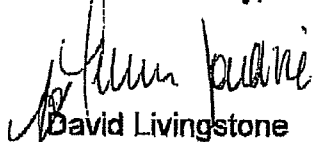
Dear Mr. Wooley:

Thank you for your letter of June 13, 2006 concerning wildlife management in relation to land use permits MV2001C0023 (Decline and Pilot Plant) and MV2004C0030 (Surface Drilling Phase III) at the Prairie Creek mine site. I understand that the Government of the Northwest Territories, in cooperation with Environment Canada, has responded to your request to ensure that Canadian Zinc's activities to fulfill its developer's commitments under the Surface Drilling Phase III program also satisfy the requirements of the Wildlife Management Plan required by permit MV2001C0023.

Indian and Northern Affairs Canada is continuing work to design and ensure the implementation of the cumulative effects monitoring program required under Measure 3 of the Mackenzie Valley Environmental Impact Review Board's Report of Environmental Assessment on the Surface Drilling Phase III program. As requested in your letter, the design of the program will consider the requirements of Land Use Permit MV2001C0023 with respect to a Wildlife Management Plan.

Please do not hesitate to contact me at 669-2647 if you wish to discuss this matter further.

Yours sincerely,

  
David Livingstone  
Director, Renewable Resources and Environment



ENVIRONMENT AND NATURAL RESOURCES

Paul Kraft – Regional Superintendent

9 June, 2006

David Harpley, Environmental Coordinator  
Canadian Zinc Corporation  
Suite 1710-650 West Georgia Street  
Vancouver, BC V6B 4N9

Dear Mr. Harpley:

We are in receipt of your letter dated 8 June, 2006 - RE: Wildlife Survey, Phase 3 Surface Exploration Drilling Project, Prairie Creek. Regional Biologist Nic Larter and I have reviewed the contents of the letter. We find the description of the work completed and measures you outline to be followed during the summer drilling program fulfill our requirements in regards to LUP MV2004C0030, MVEIRB file EA 0405-02.

A copy of your letter has been forwarded to Dr. Suzanne Carriere to be placed in the ENR WL003100 wildlife research permit file.

Sincerely,

Paul Kraft

Cc Chief Betsaka, Nahanni Butte Dene Band  
Chief Deneron, Acho Dene Koe Band  
Chief Norwegian, Liidlii Kue First Nation  
David Livingston, INAC, Yellowknife  
Bob Wooley, Mackenzie Valley Land and Water Board  
Vern Christiansen, Mackenzie Valley Environmental Impact Review Board

attachment



June 8, 2006

Nicholas Larter, Ph.D.  
Dehcho Regional Biologist  
Environment and Natural Resources  
Government of the Northwest Territories  
9910-105 Ave, PO Box 240  
Fort Simpson, NWT  
X0E 0N0

Dear Sir:

**RE: Wildlife Survey, Phase 3 Surface Exploration Drilling Project, Prairie Creek**

During the EA process for the Phase 3 surface exploration drilling project at the Prairie Creek Mine site, Canadian Zinc Corporation (CZN) undertook to complete a survey of wildlife and vegetation to ensure the project will not have unacceptable environmental impacts. This letter summarizes the results of the survey which was carried out on June 1, 2006.

**Survey Methodology**

The survey was completed with a Bell 206B (Jet Ranger) helicopter chartered by CZN from Great Slave Helicopters in Fort Simpson, NWT. Observers were CZN's consulting wildlife biologist Chris Schmidt, R.P.Bio. (SEACOR Environmental Inc.), Nic Larter (Dehcho Regional Biologist, Fort Simpson) and Dennis Tanche (Environmental Monitor for CZN, Fort Simpson).

The flight in to the mine site from Fort Simpson generally followed the existing winter road alignment. After arrival at the mine site, 233 km of flight paths were completed over the Phase 3 drilling program areas, landing at a number of locations to observe site conditions and to view surrounding ridges and slopes for wildlife and inspect vegetation.

Conditions for the flight were excellent. There was minimal snow cover at higher elevations around the mine site. The flight path was recorded with a GPS unit, and noteworthy observations and locations of wildlife flagged as way points (by Nic Larter). Digital photos were also recorded along the flight path. The flight path and wildlife information were added to the NTS map sheet for the Phase 3 exploration area.

At the conclusion of the survey, the Prairie Creek mine wildlife observation log was reviewed with Nic Larter, and protocols for ongoing recording of wildlife information were developed.

## **Survey Results**

The aerial survey of the Phase 3 exploration area recorded a total of 17 Dall's sheep (in six groups), 1 moose and 1 bald eagle. The largest group of Dall's sheep was observed on the mountainside immediately adjacent to the mine site. No Dall's sheep lambs were observed during the survey. Sheep were not observed on the west side of Prairie Creek.

## **Wildlife Observation Records**

A wildlife observation log has been kept at the site over most of the years that the seasonal camp has operated. The wildlife observation log has recorded a group of 4 to 8 Dall's sheep on the rock and talus slope adjacent to the site nearly every day prior to the survey date (and continuing into early June). The Dall's sheep routinely come down from the slope to lick soda ash from sacks they have broken open in the yard. Ground-based observations noted smaller bands of sheep and individual sheep on the mountain ridges immediately to the east of the mine camp and on the west-facing slope on the east side of the Prairie Creek airstrip. For the latter area, several immature rams were noted.

Other noteworthy observations included 2-3 grizzly bears and wolves that have infrequently moved through site area without lingering in May. A large adult grizzly (assumed to be a male) walked past the site on June 4, heading down the valley.

## **Conclusions and Follow-Up**

Based on the aerial survey of the Phase 3 exploration area and information from the mine site wildlife observation log, CZN's consultant has concluded that there appears to be limited potential for conflict with wildlife resources from the Phase 3 exploration program.

The Phase 3 exploration program for 2006 will be surface-supported only, and is not planned to include helicopter-assisted drilling. The existing exploration road network will be used, with extensions of roads to drill pads and clearing of drill pads. The only potential for impact that may occur is related to vehicle disturbance of wildlife, primarily Dall's sheep, though caribou may also occur in the Phase 3 exploration area. Given that vehicles and equipment moving drill rigs will be moving slowly on the exploration roads, sudden disturbance to wildlife should not occur.

Mitigation measures that will be implemented include having the CZN Environmental Monitor survey the planned exploration areas for wildlife as the drilling sites progress over the season, and to record wildlife. This includes scanning the adjacent ridges and slopes from key vantage points so that the next exploration zone can be viewed systematically prior to drilling activity in that zone, and to continue the scanning on a weekly basis. These observations will continue for the drilling program in a particular area, recording the reaction of sheep or caribou to vehicles and drill rigs and advising on any measures necessary to mitigate the potential for impacts. Observations of wildlife will continue to be recorded in the mine site observation log.

In the event that nursery bands of Dall's sheep are observed in a particular exploration zone, then CZN will contact Environment and Natural Resources (ENR) in Fort Simpson and discuss an appropriate course of action.

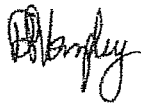
With respect to Dall's sheep which occur around the mine and camp area, this part of the population appears to be habituated to the presence of mine related activity, and no specific mitigation measures are proposed.

If problem wildlife (bears or wolves) are noted to persist at the mine camp (observed on a regular basis for more than one day), then CZN will contact ENR and discuss a suitable course of action. CZN camp staff will notify exploration crews and mine workers of the presence of bears as quickly as possible.

The mine site wildlife observation log database (computer based) will be updated on a weekly basis and provided to ENR monthly for the 2006 exploration season.

We trust you will find the above satisfactory, and we look forward to your response and on-going advice. If you have any questions, please contact us at 604-688-2001

Yours truly,  
CANADIAN ZINC CORPORATION



David P. Harpley, P. Geo.  
Environmental Coordinator