



Canadian Zinc Prairie Creek Mine Project June 24, 2011 Fort Simpson, NT



Transport Canada

Transport Canada's Mission:

- To serve the public interest through the promotion of a safe and secure, efficient and environmentally responsible transportation system in Canada.

Transport Canada's Mandate

Regulates transportation infrastructure within its mandate.

Administers federal transportation legislation (e.g.)

- *Navigable Waters Protection Act*
- *Aeronautics Act*
- *Canada Shipping Act*
- *Arctic Waters Pollution Prevention Act*
- *Transportation of Dangerous Goods Act*

Areas of Interest

Transport Canada's responsibilities include:

- Promote the safe and secure use of Canada's waterways
- Any works built or placed in, on, over, under, through or across navigable water in Canada
 - Stream crossings
 - Bridge crossings

Areas of Interest

- Winter Access Road
- Four proposed crossings
 - **Km 6.0 Casket Creek**
 - **Km 13.1 Funeral Creek**
 - **Km 23.0 Drum Creek**
 - **Km 52.9 Polje Creek**

Winter Crossing

- access road will utilize a number of winter crossing structures, which will include
 - snow-fills
 - temporary span structures
- 28 streams



Km 6.0 Casket Creek

- latitude 61° 35' 57.49" N, longitude 124° 49' 54.87"
- Casket Creek is a tributary of Prairie Creek.
- water depths < 30 cm and channel widths < 2 m
- bridge was built over the largest channel against the southern edge of the fan.
- Southern abutment is intact rock
- Northern abutment is cobble



Km 13.1 Funeral Creek

- latitude $61^{\circ} 36' 31.93''$ N, longitude $124^{\circ} 43' 31.49''$.
- Funeral Creek is a tributary of Prairie Creek.
- Channel at the crossing location is approx.
 - 1 m wide
 - banks 0.5-0.75 m high.
 - Flow depth is 5-10 cm
- Crossing will be made with steel beams and wood decking



Km 23.0 Drum Creek

- latitude $61^{\circ} 35' 13.38''$ N, longitude $124^{\circ} 34' 56.15''$
- Drum Creek is a locally named tributary of Sundog Creek. Channel at the crossing location is approx.
- bridge span is proposed downstream over rock abutments
- Stream is approx.
 - 2-2.5 m wide
 - 0.5 m deep.



Km 52.9 Polje Creek

- latitude $61^{\circ} 36' 19.88''$ N, longitude $124^{\circ} 06' 59.79''$
- Polje Creek is a tributary of Sundog Creek
- Inside Nahhanni Park
- Channel is approx.
 - 12 m wide
 - 0.5 m deep.



Transport Canada Conclusion and Recommendations

- TC has no concerns at this time regarding the winter crossings associated with the seasonal portion of the access route.
 - TC advises that CZN abide by TC's *Minor Works and Waters Order for winter crossings*
- Navigable Water Protection Program (NWPP) is currently completing a *Navigability Impact Assessment* for the identified waterways.

Closing Remarks

- TC will continue to work, where appropriate, with all stakeholders, including the Proponent, to ensure that the public right of navigation is maintained
- TC thanks the Panel for this opportunity to share this information for consideration.