

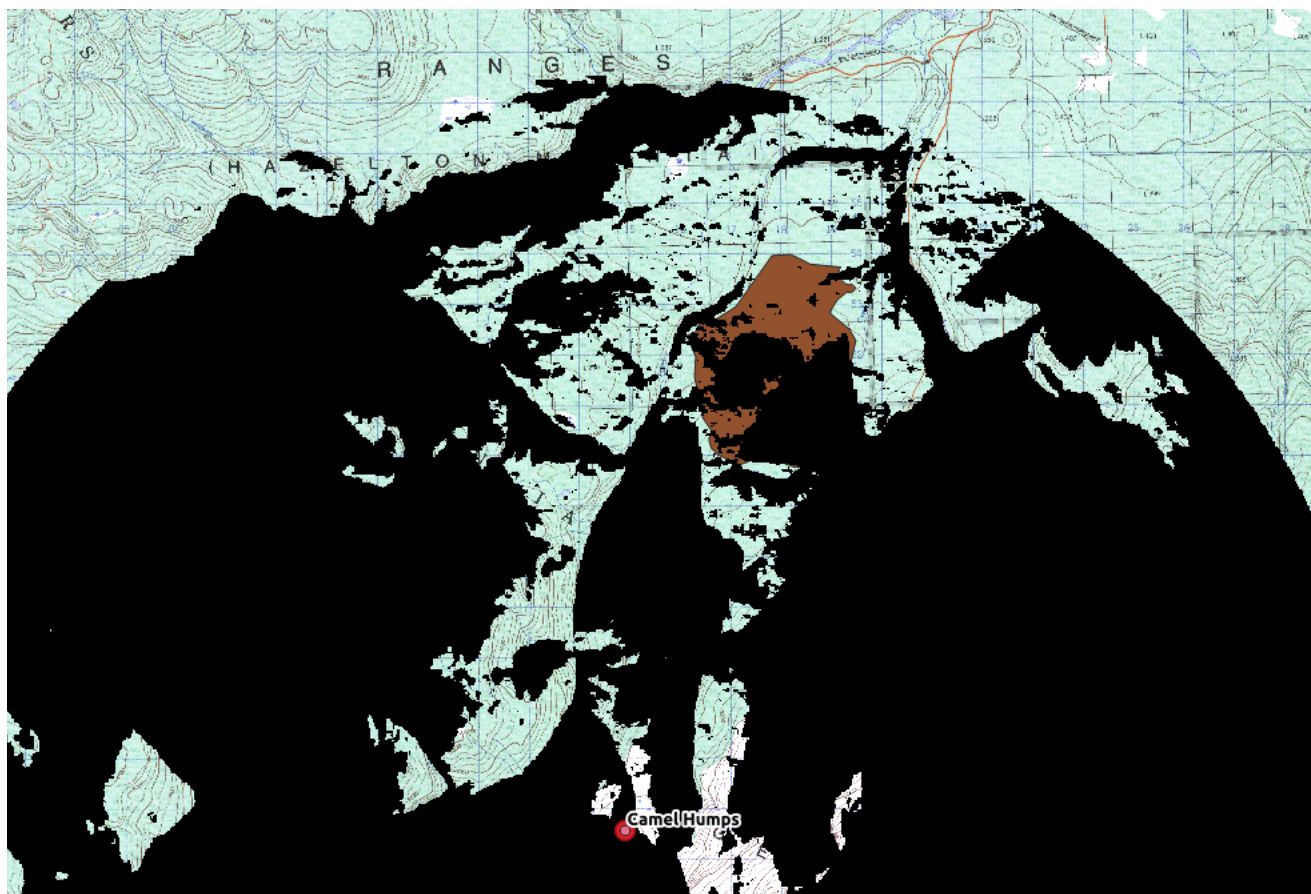
**Re: Map and imagery - Telkwa Coal**

1 message

Sun, Feb 2

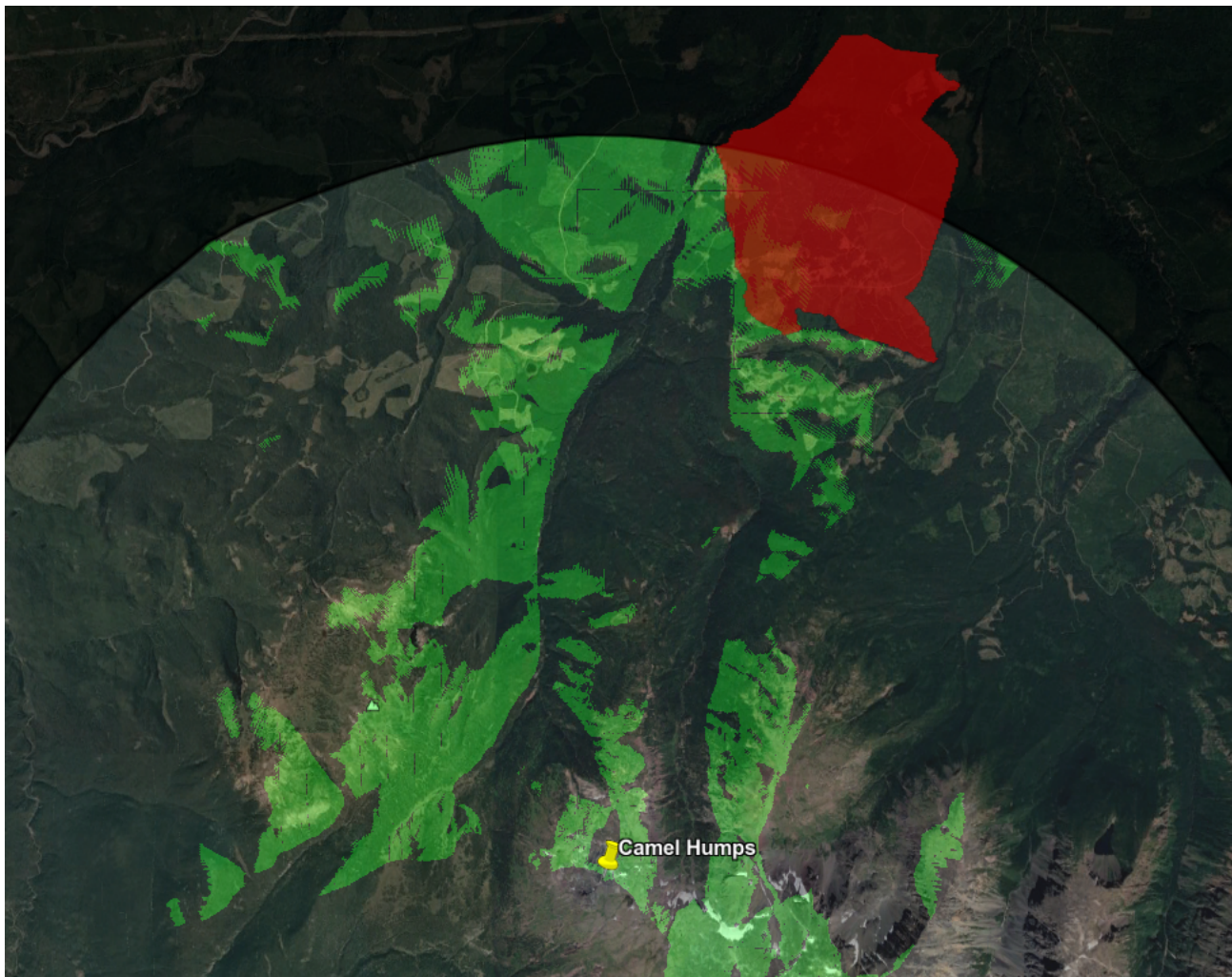
Hi Jay,

Well, this is interesting. I learned a new technique that can be used to calculate a viewshed. Here's what I got (Camel Humps at the bottom, proposed mine in brown at the top, with the families as the basemap):

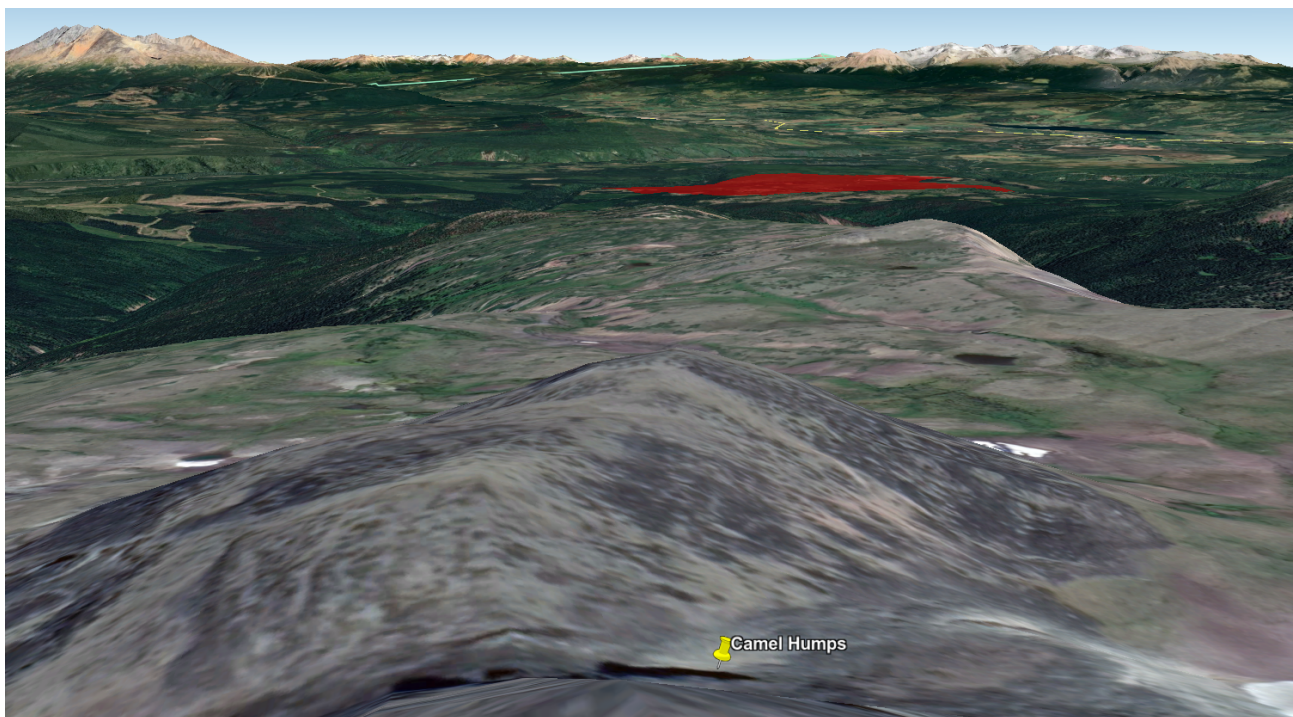


Black means you *can't* see it from the Camel Humps; everything else (within the 15 km radius) is visible. So you can see that you would be able to see about half the mine footprint.

Google Earth can do a similar calculation, and the results are quite similar. Here the proposed mine is in red, and everything light green can be seen from the Camel Humps. The radius is unlimited to 10 km, which is the distance from the Camel Humps to the middle of the mine.:



Finally, if you place your "eye" in Google Earth at the summit of the northern Camel Hump, you get this rendering of the same thing:



I don't know how audible a blast would be at 10 km, but that's the distance.

Let me know if you would like more of this.

- Morgan

3/24/2021

Gmail - Re: Map and imagery - Telkwa Coal

On 2021-02-18 9:40 a.m., Jay Gilden wrote:

Corrected Email

Hi Morgan:

The below response should have been in this email chain:

Hi Morgan:

A related question comes up from looking at your model. Is it possible to tell if there is a line of sight view from the Camel Humps to the mine location?

One of the major issues here is the impact on caribou. Noise from the blasts from the mine operations are likely to reach the Camel Humps and nearby areas in the Hunte core zone of the caribou protection area. Telkwa Coal has not studied this up to now.

Let me know if this is taking you a lot of time. If so, we can talk about compensation.

Jay

On Mon, Feb 15, 2021 at 9:39 AM Jay Gilden wrote:

Thanks Morgan. I will pass this on to some of the other WMIOV leadership and see what they think.

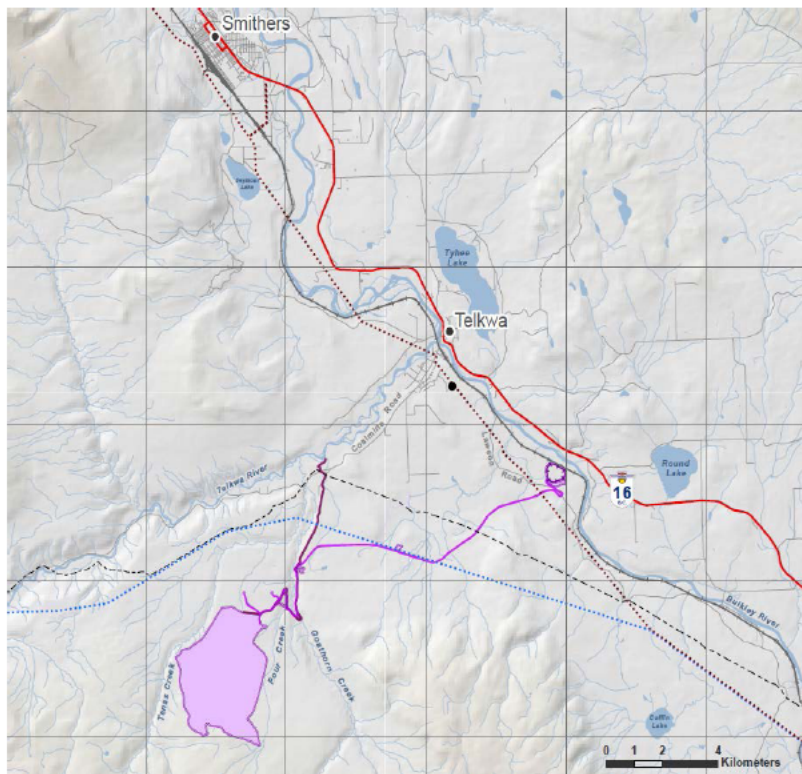
Jay

On Sat, Feb 13, 2021 at 8:43 PM wrote:

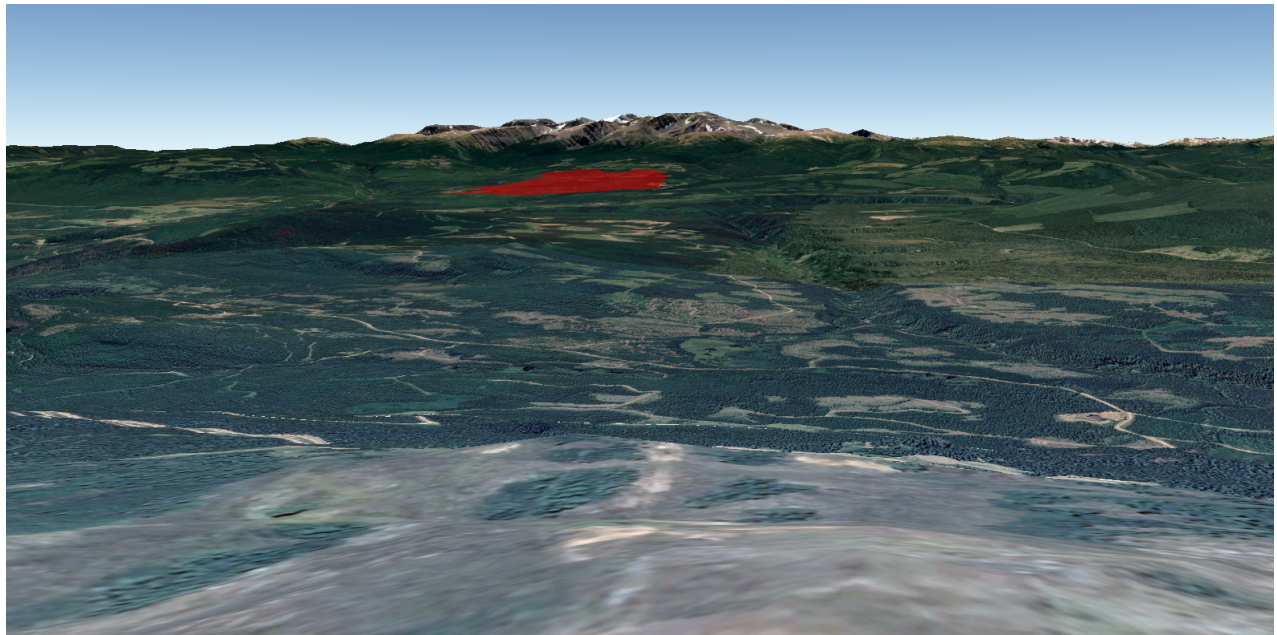
Hi Jay,

Well, what I can think of is doing a couple Google Earth shots to show what the mine footprint might look like from different vantage points.

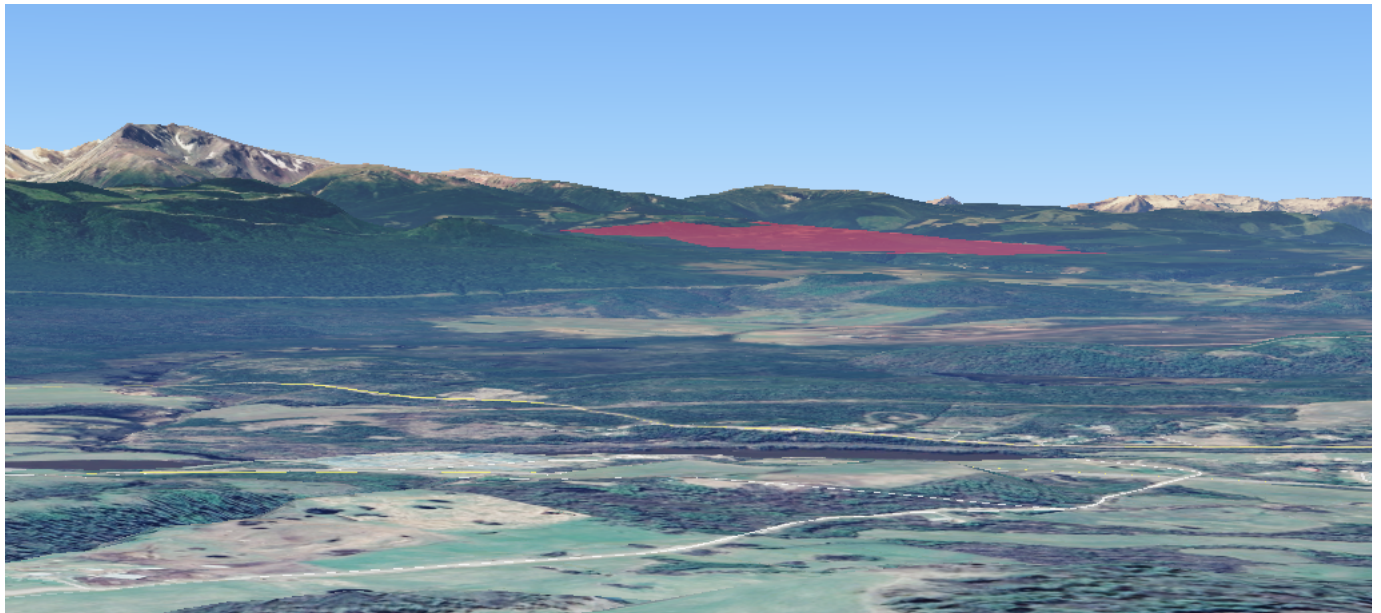
Based on this map, which is from their openhouse powerpoint...



I would visualize it like this looking south from the top of the t-bar at the ski hill (18km away):



And this is what it shows from Fir Rd. (13km away):



The view from the Crater Lake trail would be quite similar to the view from the top of the Ski Hill.

Is this kind of thing useful? I can give you higher resolution versions.

- Morgan

On 2021-02-13 10:22 a.m., Jay Gilden wrote:

Hi Morgan:

I am working with the group What Matters in Our Valley on the Telkwa Coal project's likely impacts. One idea we have had as part of our public information campaign is to illustrate the visual effects of the mine - especially from the ski hill.

I don't know if this is up your alley or not, but you probably know what technology is available to demonstrate this kind of impact by superimposing images. In this case it would be the current view from the lodge area on the ski hill looking onto the place where the mine will be built.

I have attached a draft Application Information Requirement (sorry for file size) taken from plans filed by the Telkwa Coal people that, on page 3 contains a not very good map of the mine location just to give you an idea of where and how big the mine will be. I have also attached a photo taken from Fir Road off Hislop that identifies

[dAIR.pdf](#)

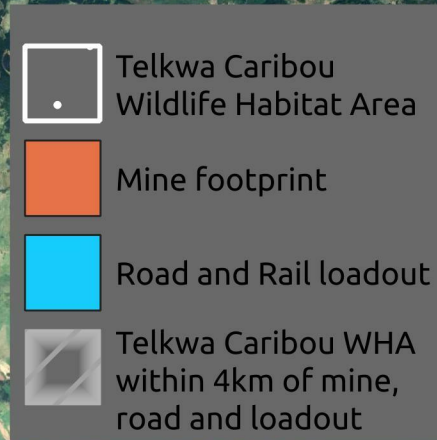
the view of the mine location from there.

We could probably get a drone to take more precise imagery if necessary.

Let me know what you think.

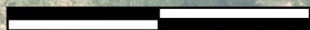
Jay
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Name	hectares
Road and Rail loadout	395
Mine footprint	1458



Name	hectares
Area within 4 km of infrastructure	18864

0 2.5 5 km





View from Ski Hill

Google Earth view of the proposed Telkwa Coal Development as it would be seen from the top of the T-bar at Hudson Bay Mountain Adventures

