Detailed View of the Snap Lake Diamond Mine Site

SNAP LAKE

0 1 2 3 4
map scale in kilometres

Concentrations in µg/m³

15
7.5
3.75
BLANK
0

WARBURTON BAY
MACKAY LAKE
LAKE of the ENEMY
ATHENA LAKE
LAC CABOT BLANC
SNAP LAKE
CAMSELL LAKE
OLD CANOE LAKE
HILLTOP LAKE
LAC TETE D'OURS
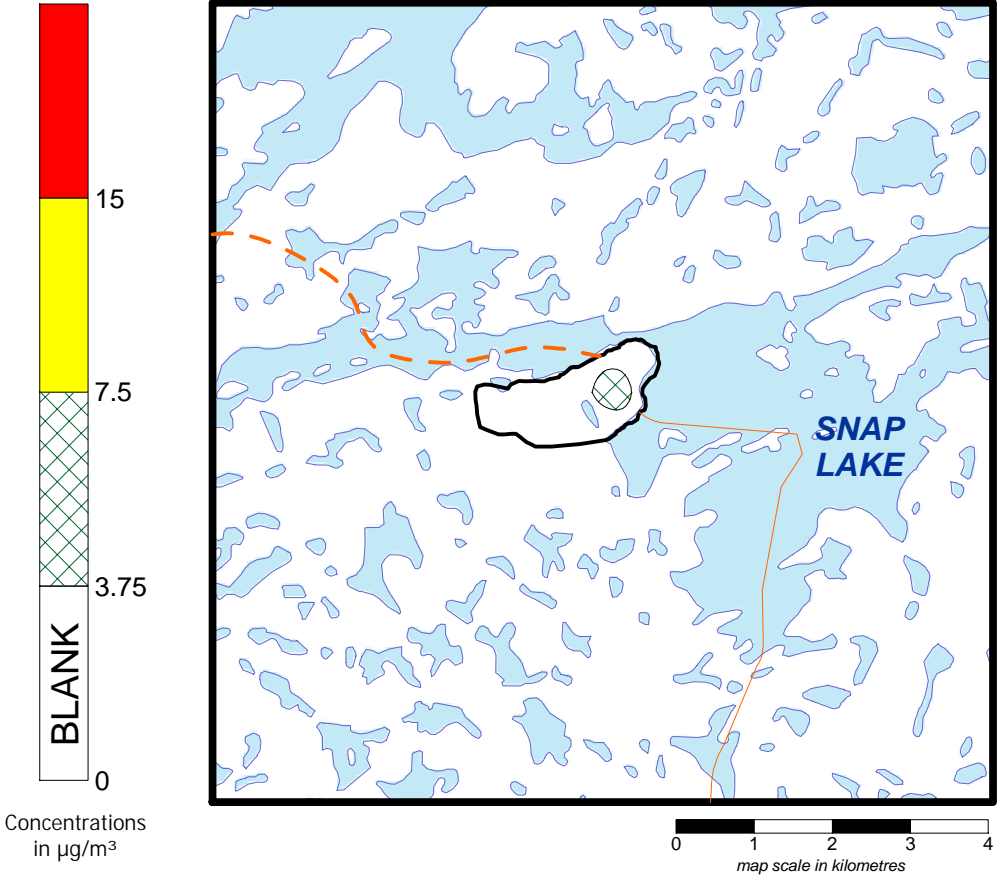
Parameter	Value	
Assessment Case	Application	
Model	CALPUFF 2-D Mode	
Meteorology	2 Years of On-site Meteorology	
PM$_{2.5}$ Emissions [t/d]	0.113	
Annual PM$_{2.5}$ Criteria [µg/m³]	15	
Prediction	*RSA including the active mine area*	*RSA excluding the active mine area*
Maximum Annual PM$_{2.5}$ Concentration [µg/m³]	8.1	1.6
Area Greater than Criteria [ha]	0	0

Legend

- - - - Indicates the limits of the air quality regional study area.

——— Indicates the active mine area at the Snap Lake Diamond Project.

▢ Indicates the limits of the detailed view, shown in the upper right of the page.

——— Tibbitt-Contwoyto Winter Road

- - - Winter Access Road

——— Esker Access Road

0 10 20 30 40
map scale in kilometres

N

Figure 7.3-6
Annual Application PM$_{2.5}$ Predictions

DE BEERS

Golder Associates