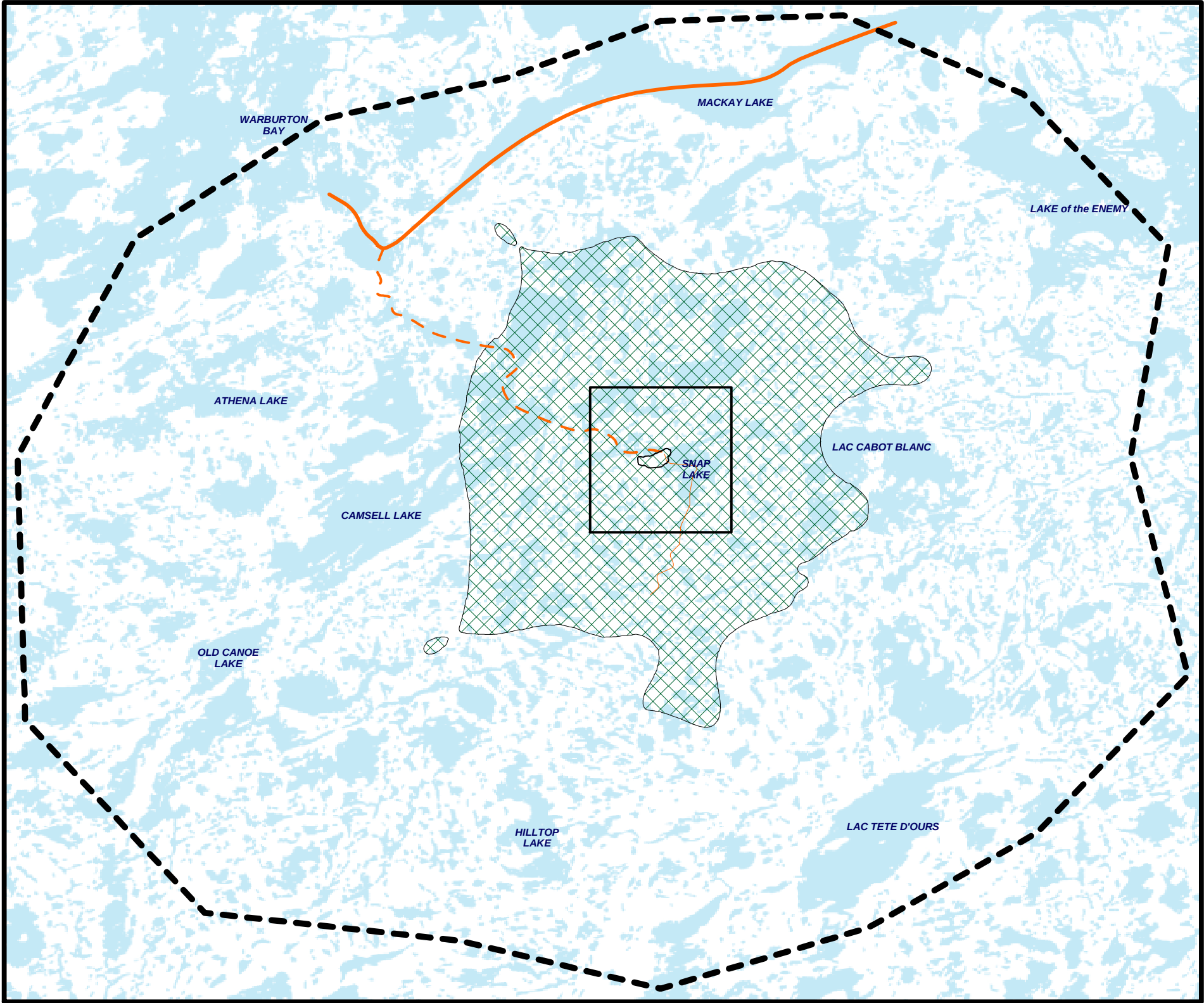
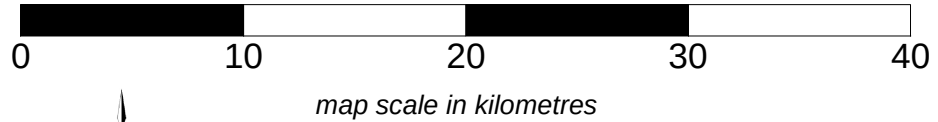
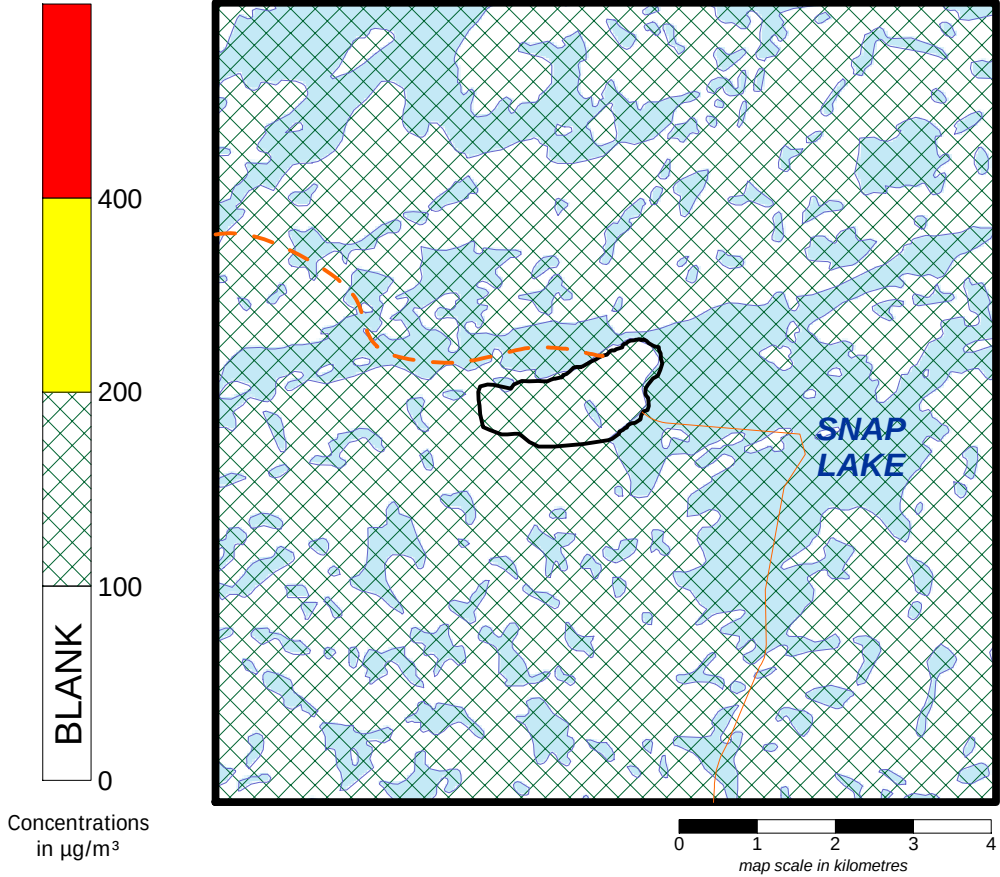




- Indicates the limits of the air quality regional study area.
- Indicates the active mine area at the Snap Lake Diamond Project.
- Indicates the limits of the detailed view, shown in the upper right of the page.
- Tibbitt-Contwoyto Winter Road
- Winter Access Road
- Esker Access Road



Detailed View of the Snap Lake Diamond Mine Site



Parameter	Value	
Assessment Case	Application	
Model	CALPUFF 2-D Mode	
Meteorology	2 Years of On-site Meteorology	
NO ₂ Emissions [t/d]	5.684	
1-Hour NO ₂ Criteria [µg/m³]	400	
Prediction	RSA including the active mine area	RSA excluding the active mine area
Maximum 1-Hour NO _x Concentration [µg/m³]	1,408.5	1,080.3
Maximum 1-Hour NO ₂ Concentration [µg/m³]	236.5	203.6
Area Greater than Criteria [ha]	0	0

Figure 7.3-10
Maximum 1-Hour Application NO₂ Predictions

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