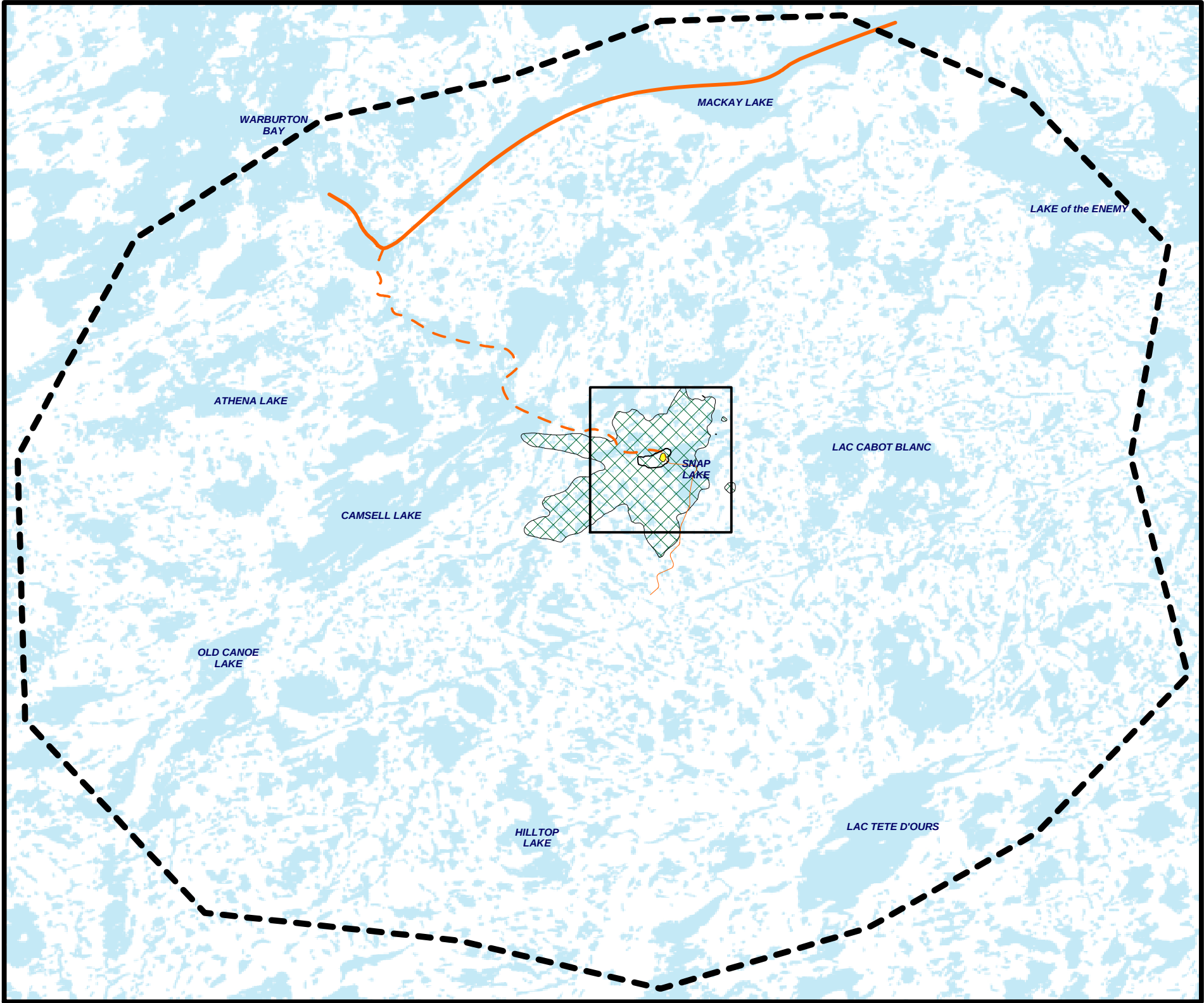


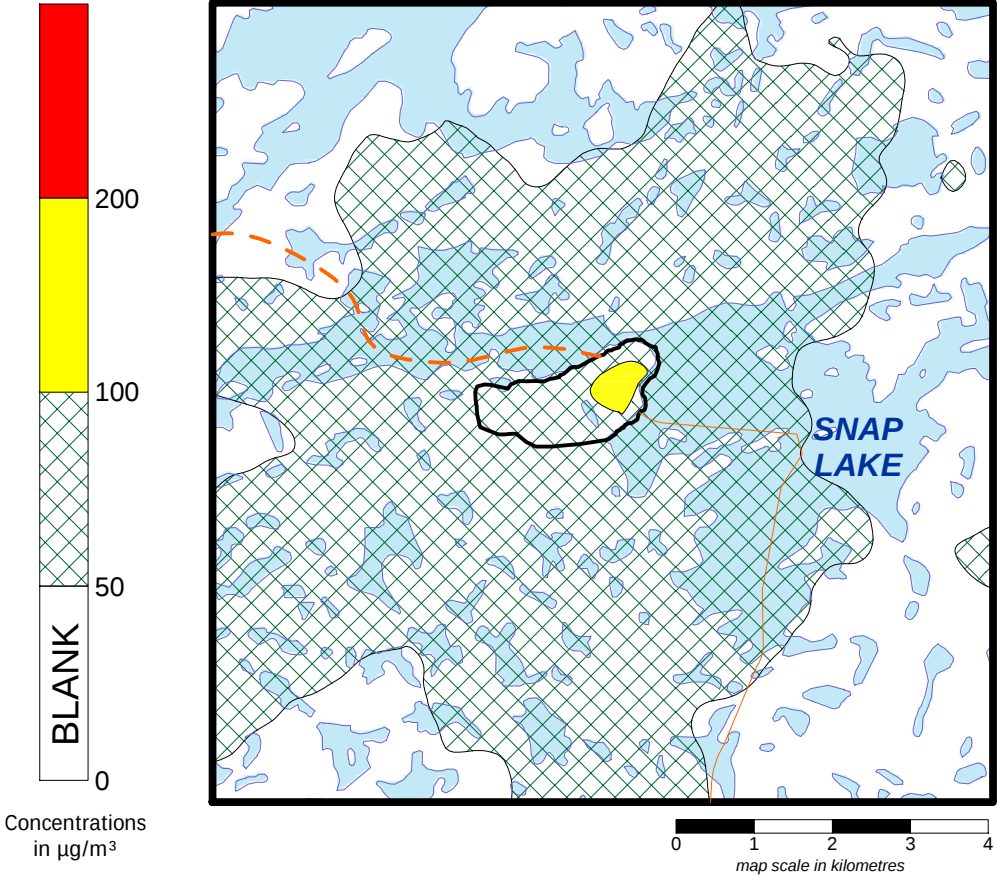


- Indicates the limits of the air quality regional study area.
- Indicates the active mine area at the Snap Lake Diamond Project.
- Indicates the limits of the detailed view, shown in the upper right of the page.
- Tibbitt-Contwoyto Winter Road
- Winter Access Road
- Esker Access Road

0 10 20 30 40
map scale in kilometres



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	
24-Hour NO ₂ Criteria [$\mu\text{g}/\text{m}^3$]	200	
Prediction	RSA including the active mine area	RSA excluding the active mine area
Maximum 24-Hour NO _x Concentration [$\mu\text{g}/\text{m}^3$]	632.0	216.0
Maximum 24-Hour NO ₂ Concentration [$\mu\text{g}/\text{m}^3$]	139.7	98.1
Area Greater than Criteria [ha]	0	0

Figure 7.3-11
Maximum 24-Hour Application NO₂ Predictions

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