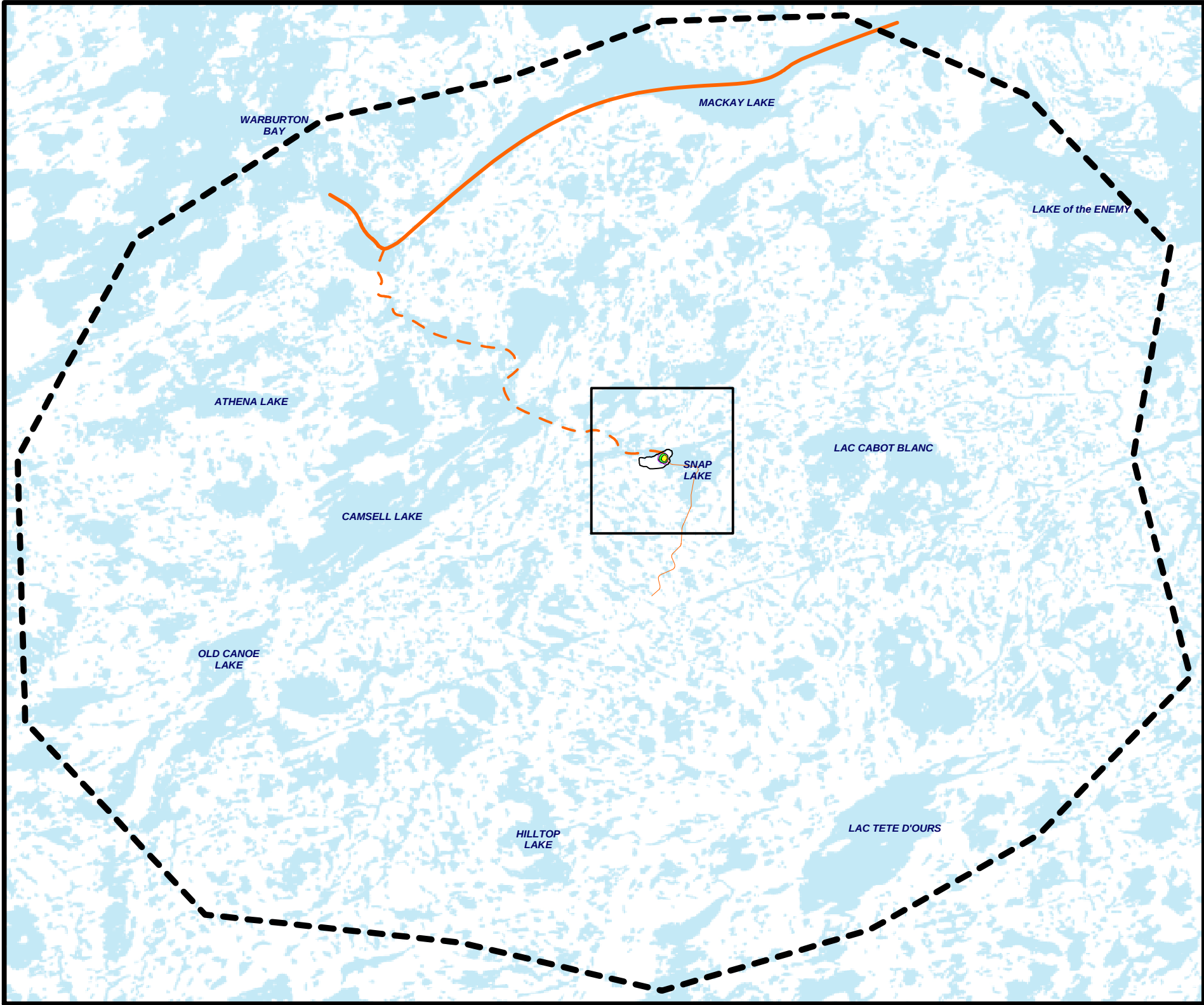


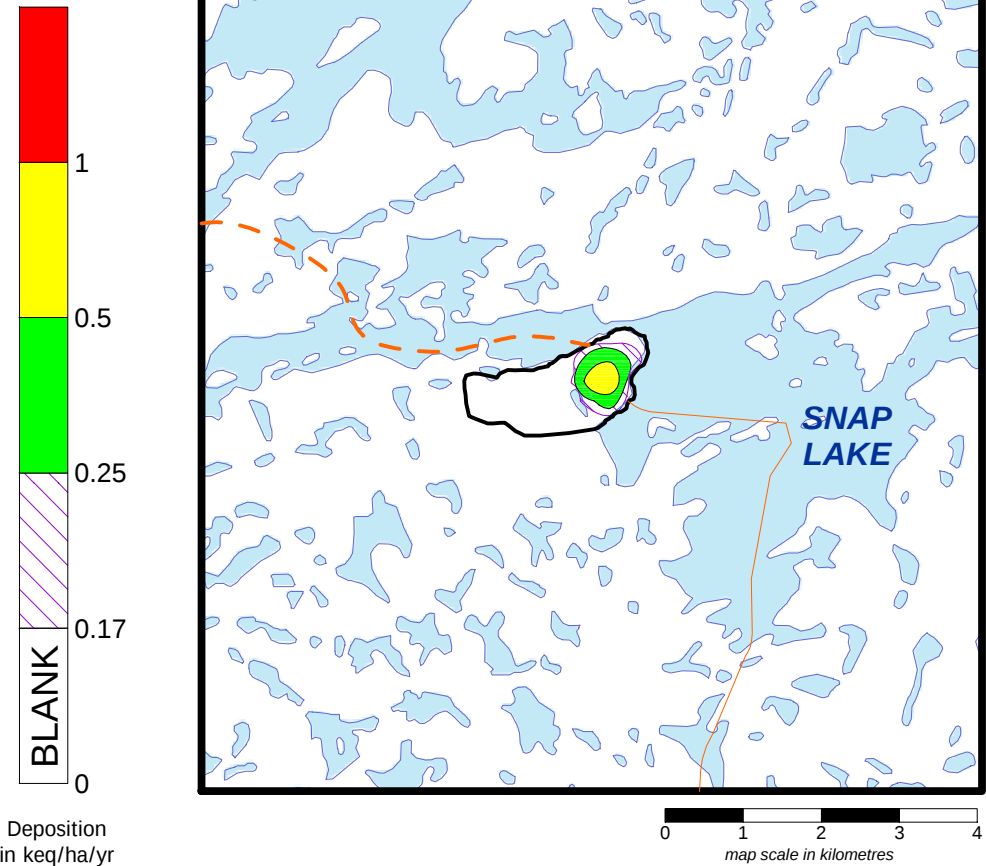


- Indicates the limits of the air quality regional study area.
- Indicates the active mine area at the Snap Lake Diamond Project.
- Indicates the limits of the detailed view, shown in the upper right of the page.
- Tibbitt-Contwoyto Winter Road
- - - Winter Access Road
- Esker Access Road

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	
SO ₂ Emissions [t/d]	0.173	
NO _x Emissions [t/d]	5.684	
Background PAI [keq/ha/yr]	0.040	
Prediction	RSA including the active mine area	RSA excluding the active mine area
Maximum Predicted PAI [keq/ha/yr]	1.106	0.175
Area Greater than 0.17 keq/ha/yr [ha]	47	< 1
Area Greater than 0.25 keq/ha/yr [ha]	35	0
Area Greater than 0.50 keq/ha/yr [ha]	12	0
Area Greater than 1.00 keq/ha/yr [ha]	0	0

Figure 7.3-13
Application Potential Acid Input (PAI) Predictions

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