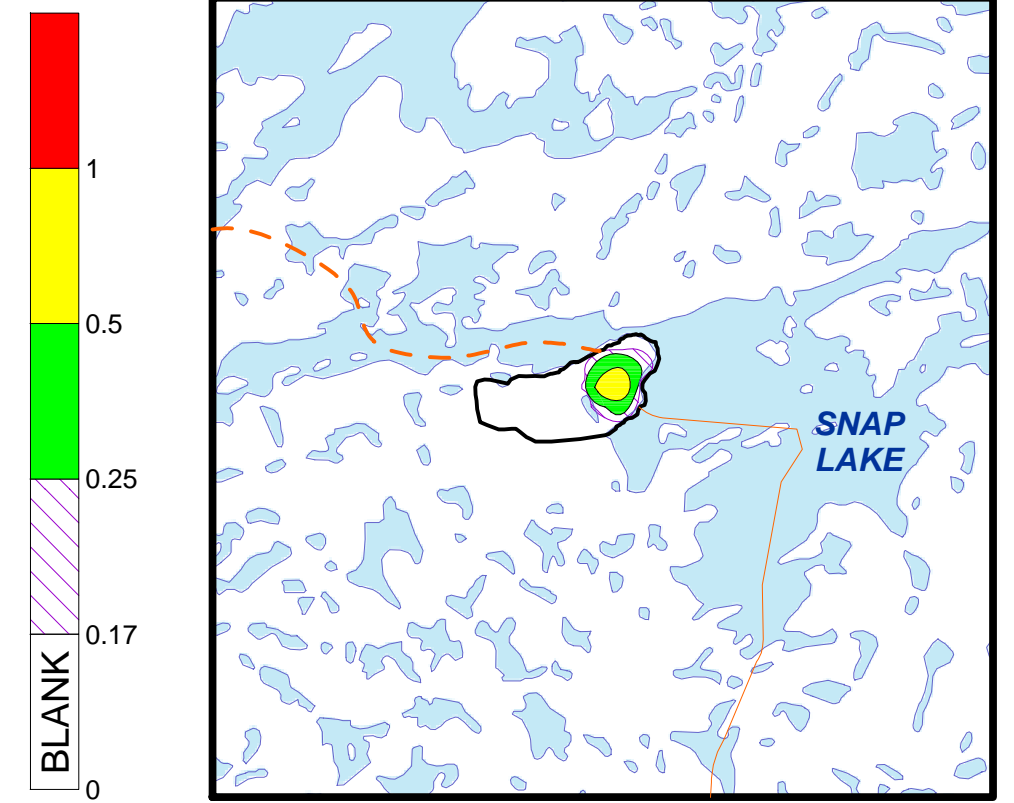


- Indicates the limits of the air quality regional study area.
- Tibbitt-Contwoyto Winter Road
- Winter Access Road
- Esker Access Road
- Indicates the active mine area at the Snap Lake Diamond Project.
- Indicates the limits of the detailed view, shown in the upper right of the page.

Detailed View of the Snap Lake Diamond Project



Deposition in keq/ha/yr

Parameter	Value		
Assessment Case	CEA		
Model	CALPUFF 2-D Mode		
Meteorology	2 Years of On-site Meteorology		
SO ₂ Emissions [t/d]	2.182		
NO _x Emissions [t/d]	37.214		
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]		1.108	0.176
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 12.4-14
CEA Case Potential Acid Input (PAI) Predictions

