

**ALDERON IRON ORE CORP.**

AMENDMENT TO THE ENVIRONMENTAL IMPACT STATEMENT  
VOLUME 3 APPENDICES – INFORMATION REQUEST RESPONSES



# **Appendix M**

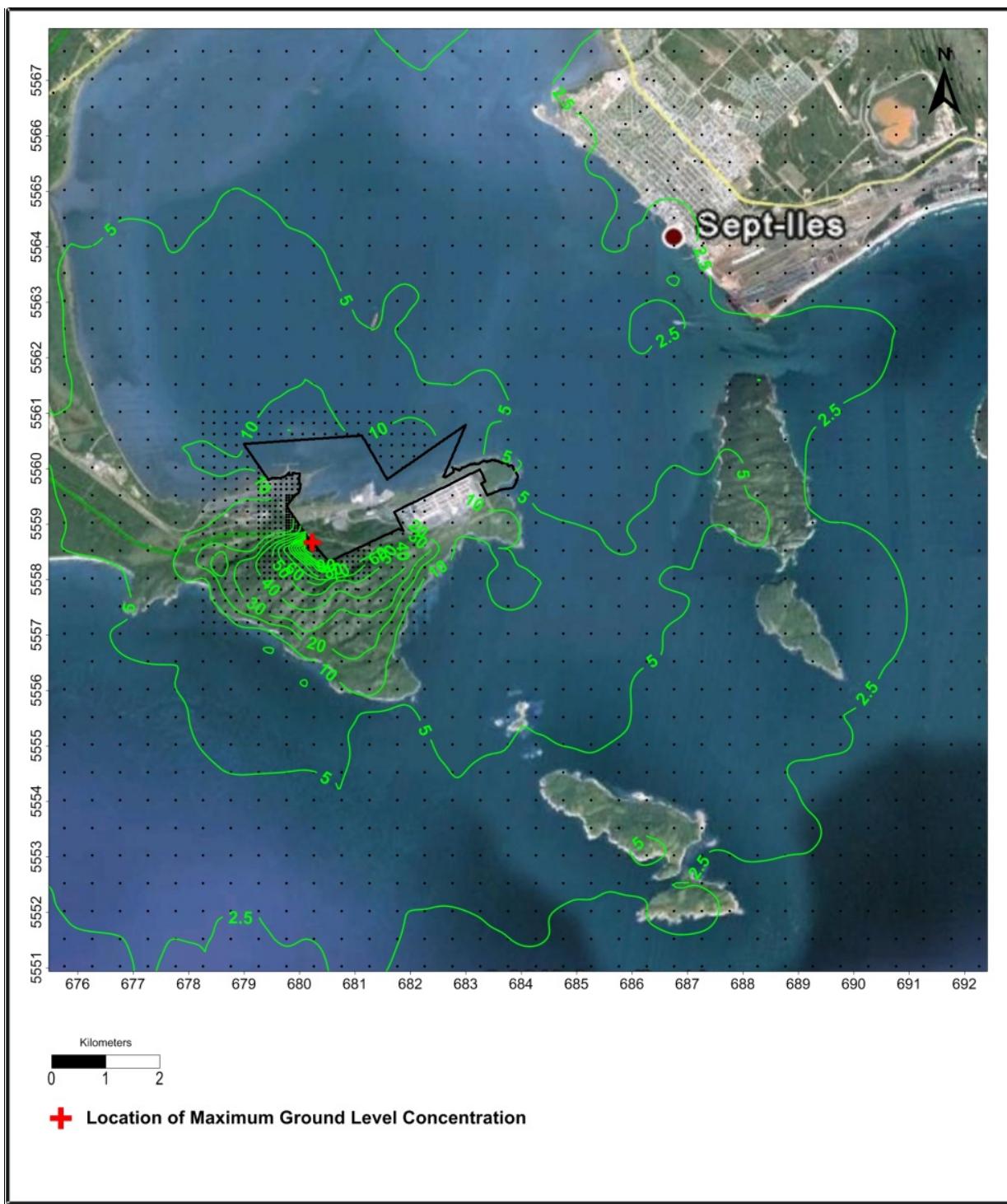
ISO Contours



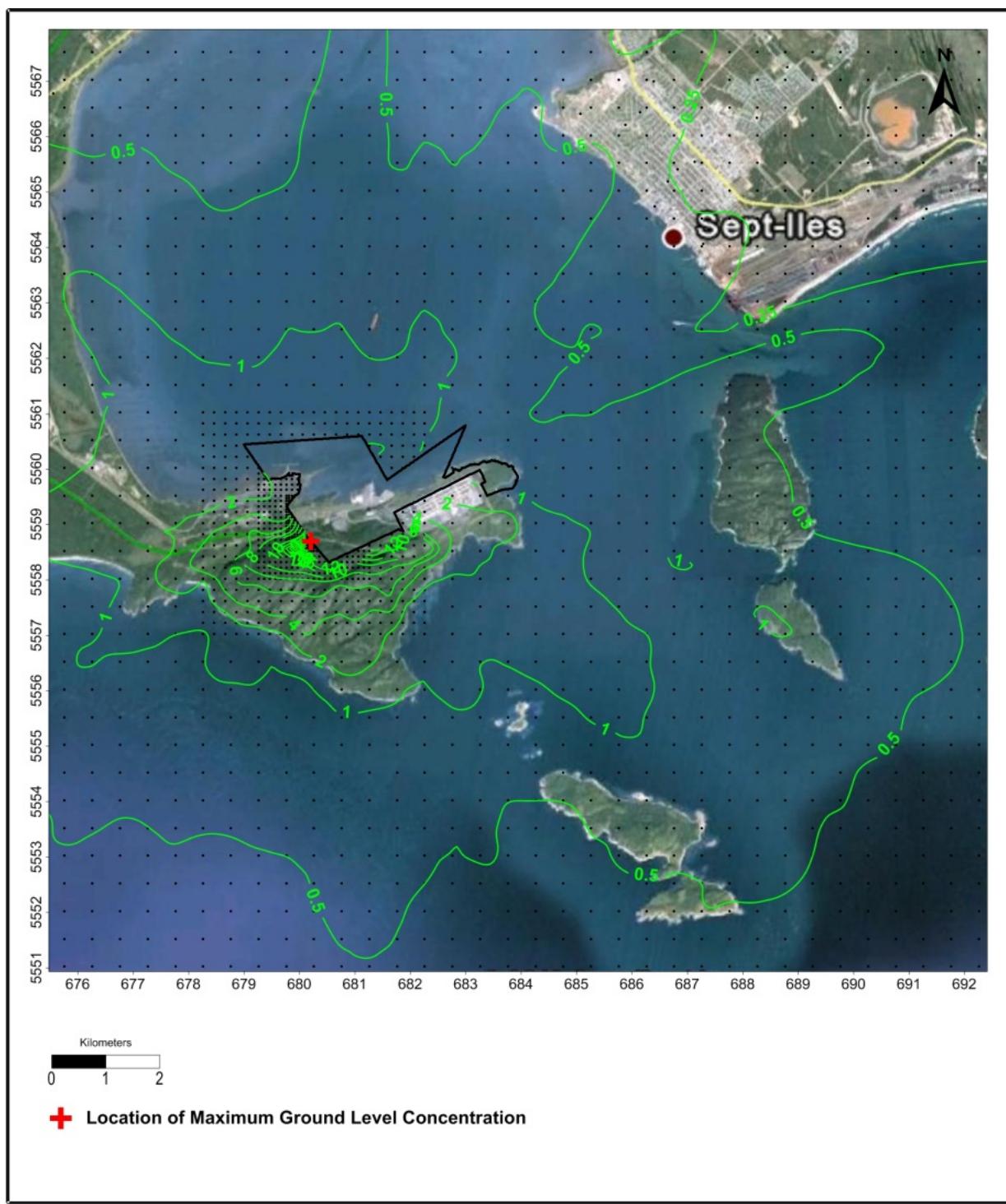
## **APPENDIX A**

Maximum Ground Level Concentration Contour with a Worst Case  
Emission Scenario for the Concentrate Piles

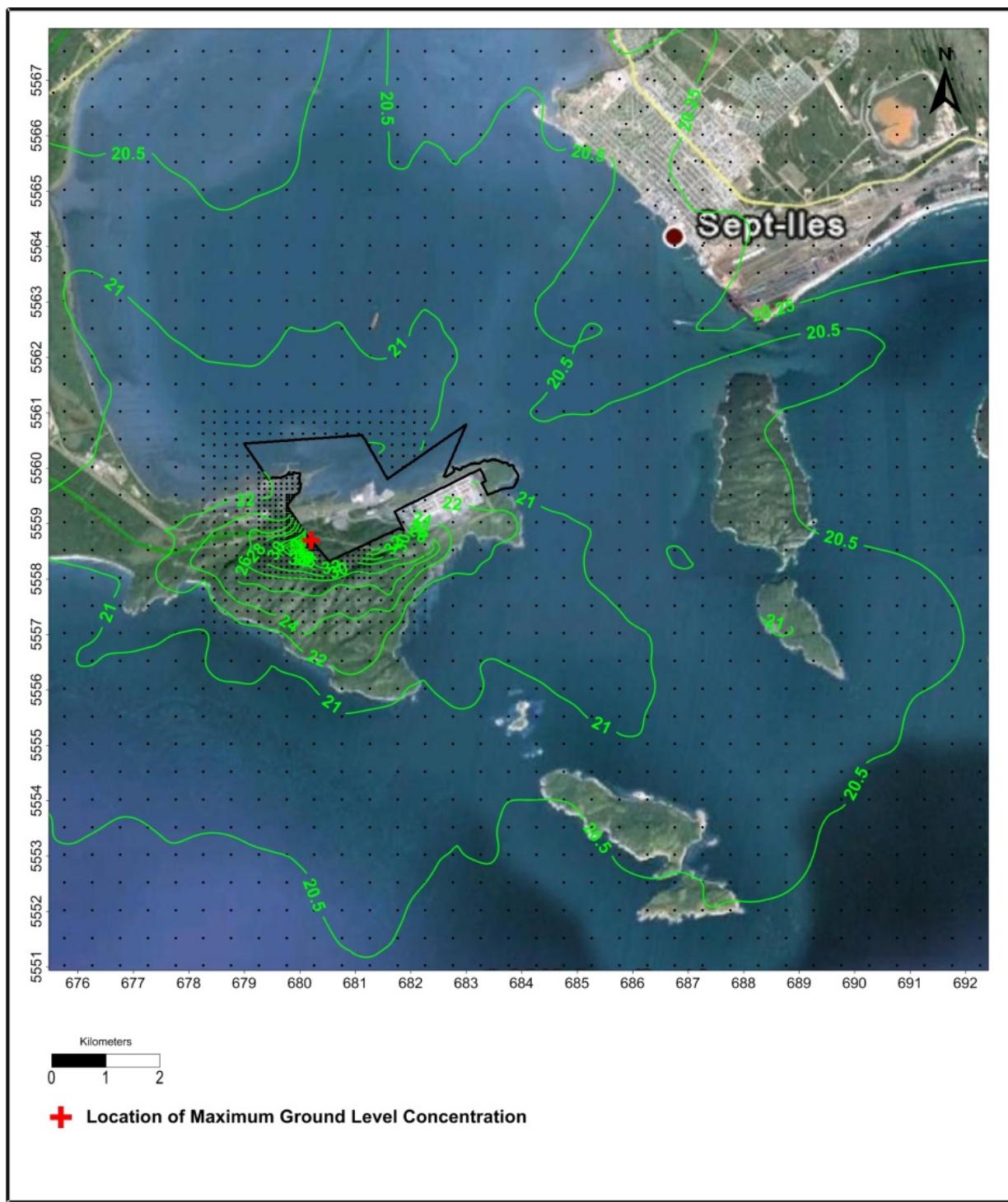


Figure E-1: Maximum PM<sub>2.5</sub> 1-hour Concentration (µg/m<sup>3</sup>)

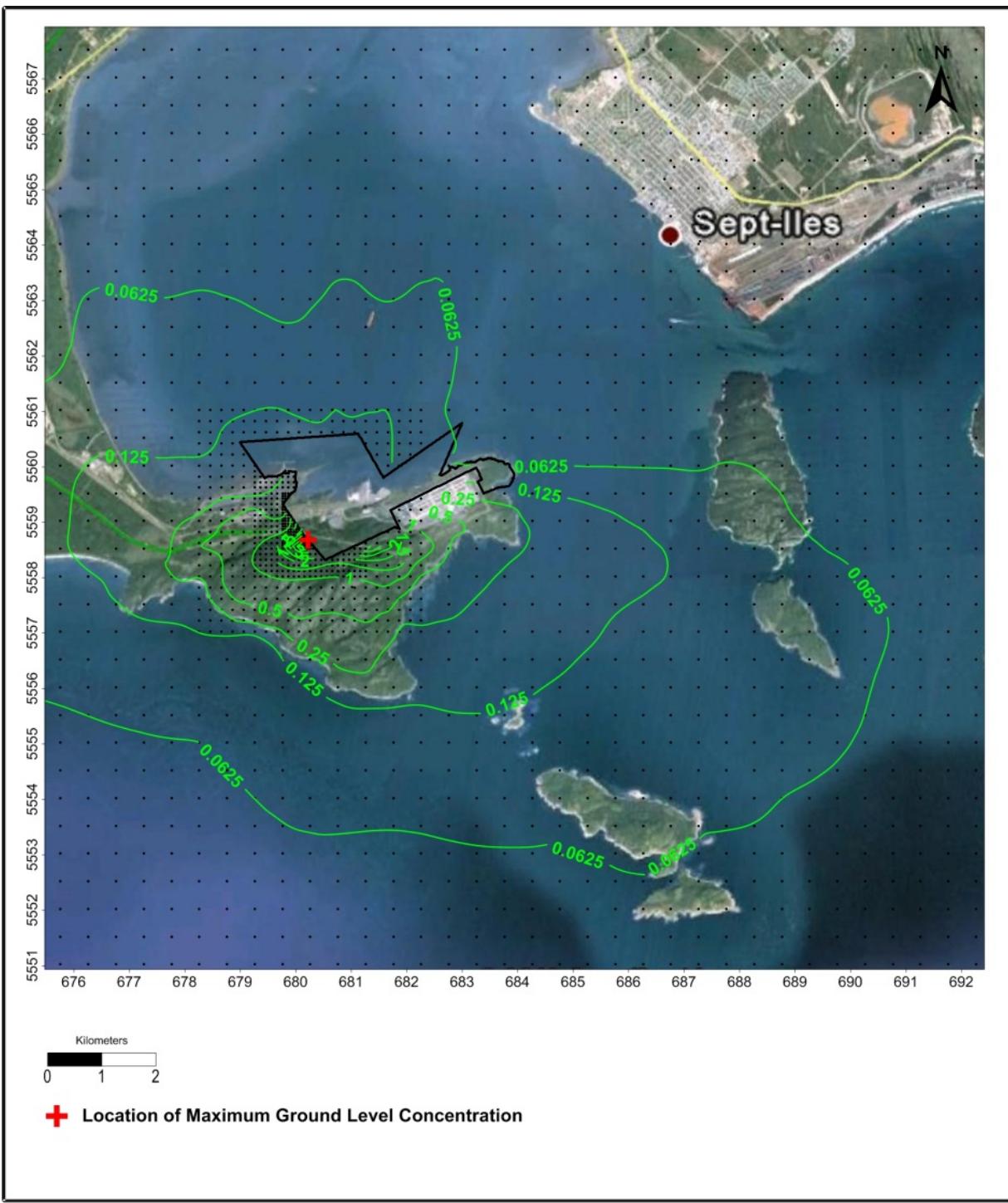
 <b>FIGURE NO.</b> <b>E-1</b>	Air Quality Study - Kami Concentrate Storage and Load-Out Facility, Quebec	DRAFT DATE 12/17/2012
		REVISION DATE 12/17/2012
	<b>Maximum PM<sub>2.5</sub> Hourly Concentrations (µg/m<sup>3</sup>)</b>	

Figure E-2: Maximum PM<sub>2.5</sub> 24-hour Concentration (µg/m<sup>3</sup>)

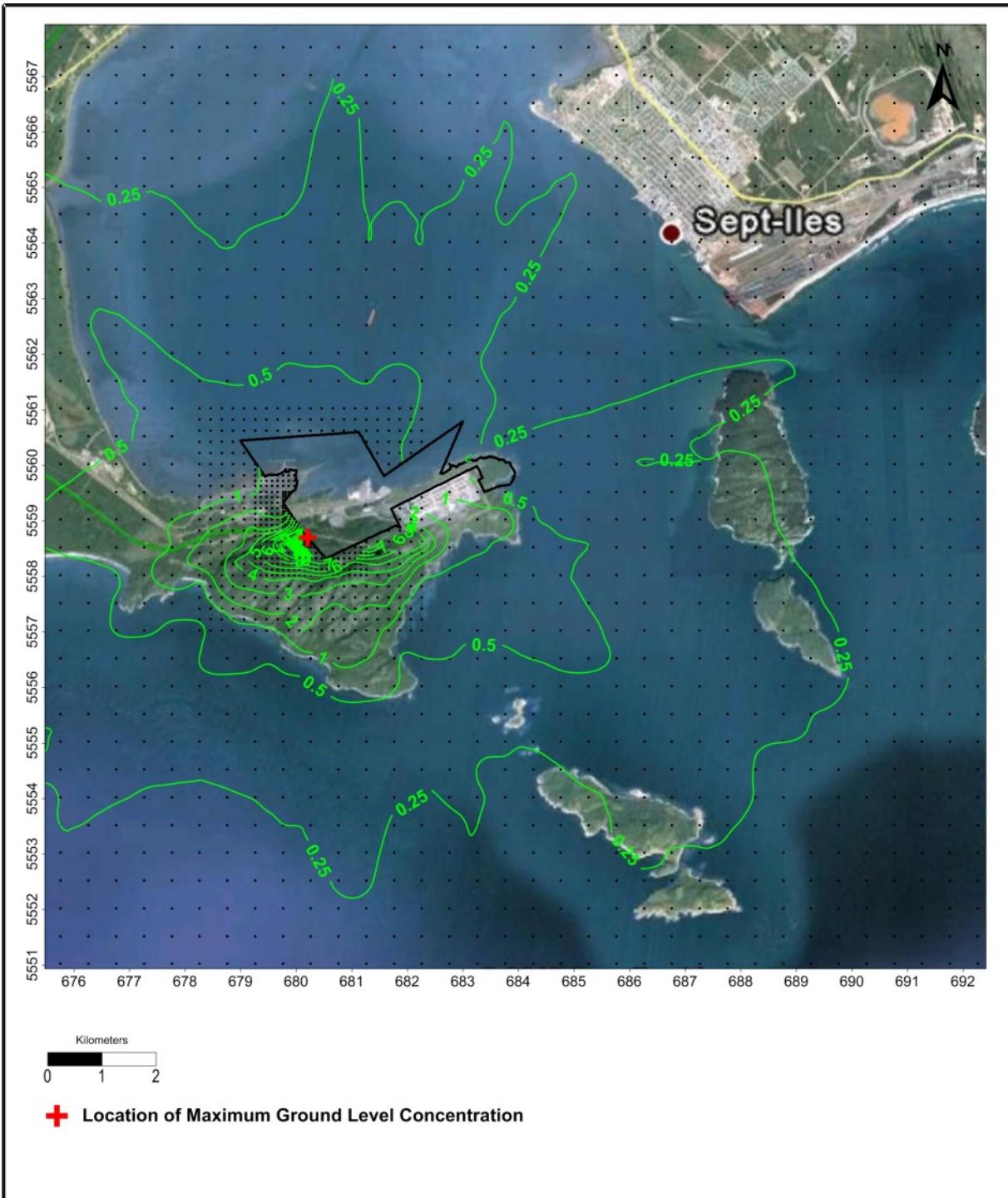
 Stantec	Air Quality Study - Kami Concentrate Storage and Load-Out Facility, Quebec	DRAFT DATE 12/18/2012 REVISION DATE 12/18/2012
FIGURE NO. <b>E-2</b>	Maximum PM <sub>2.5</sub> 24-hour Concentrations (µg/m <sup>3</sup> )	

**Figure E-3: Maximum 24-hour PM<sub>2.5</sub> Concentration + 20 µg/m<sup>3</sup> Background (µg/m<sup>3</sup>)**

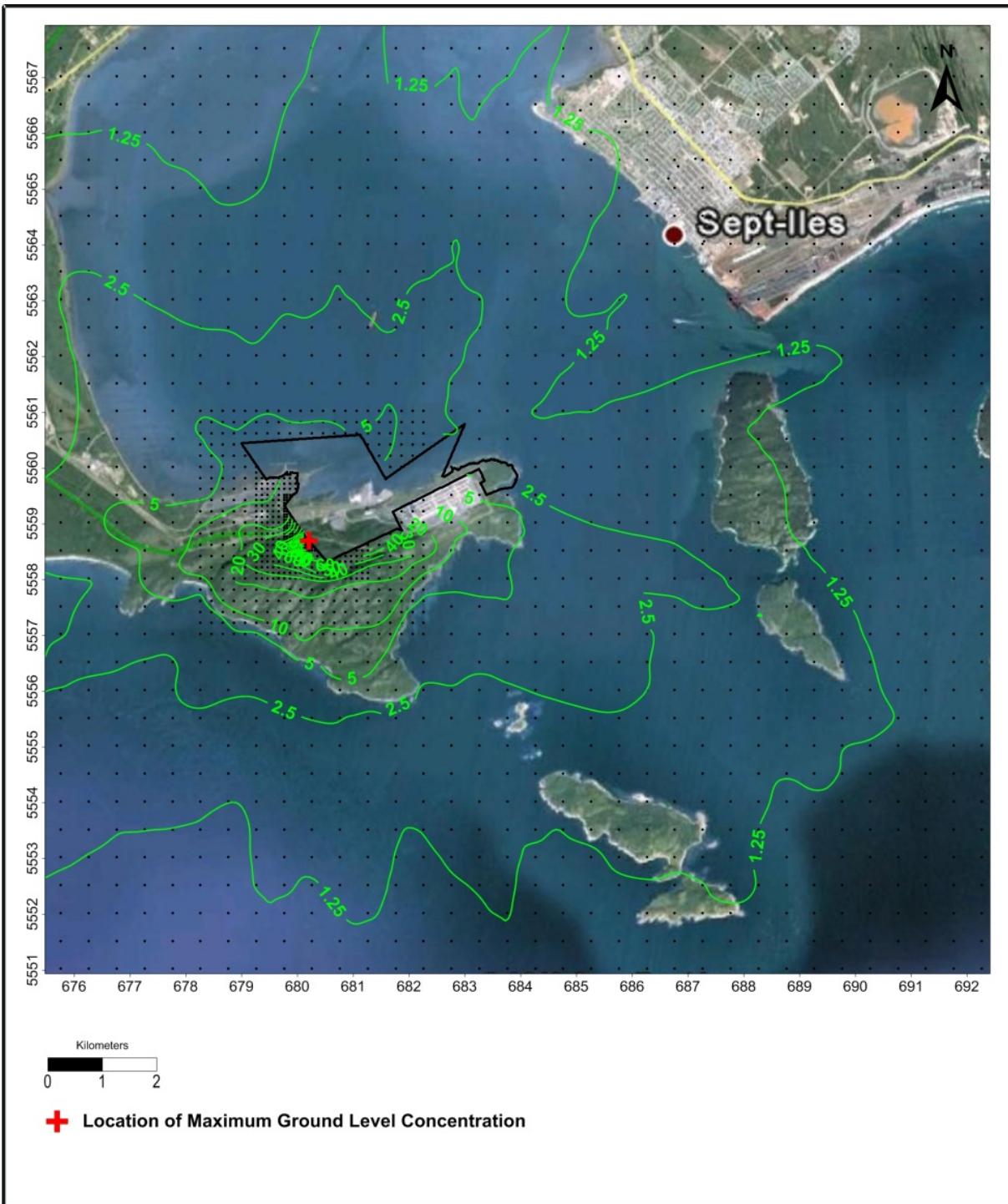
 Stantec	Air Quality Study - Kami Concentrate Storage and Load-Out Facility, Quebec	DRAFT DATE 12/18/2012
		REVISION DATE 12/18/2012
FIGURE NO. <b>E-3</b>	<b>Maximum PM<sub>2.5</sub> 24-hour Concentrations (µg/m<sup>3</sup>) + 20 µg/m<sup>3</sup> Background</b>	

Figure E-4: Maximum PM<sub>2.5</sub> Annual Concentration (µg/m<sup>3</sup>)

 Stantec	Air Quality Study - Kami Concentrate Storage and Load-Out Facility, Quebec	DRAFT DATE 12/18/2012
FIGURE NO. <b>E-4</b>	Maximum PM <sub>2.5</sub> Annual Concentrations (µg/m <sup>3</sup> )	REVISION DATE 12/18/2012

Figure E-5: Maximum 24-hour PM<sub>10</sub> Concentration ( $\mu\text{g}/\text{m}^3$ )

 Stantec	Air Quality Study - Kami Concentrate Storage and Load-Out Facility, Quebec	DRAFT DATE 12/17/2012
FIGURE NO. <b>E-5</b>	Maximum PM <sub>10</sub> 24-hour Concentrations ( $\mu\text{g}/\text{m}^3$ )	
REVISION DATE 12/17/2012		

Figure E-6: Maximum 24-hour TPM Concentration ( $\mu\text{g}/\text{m}^3$ )

 Stantec	Air Quality Study - Kami Concentrate Storage and Load-Out Facility, Quebec	DRAFT DATE 12/17/2012
FIGURE NO. <b>E-6</b>	Maximum TPM 24-hour Concentrations ( $\mu\text{g}/\text{m}^3$ )	REVISION DATE 12/17/2012

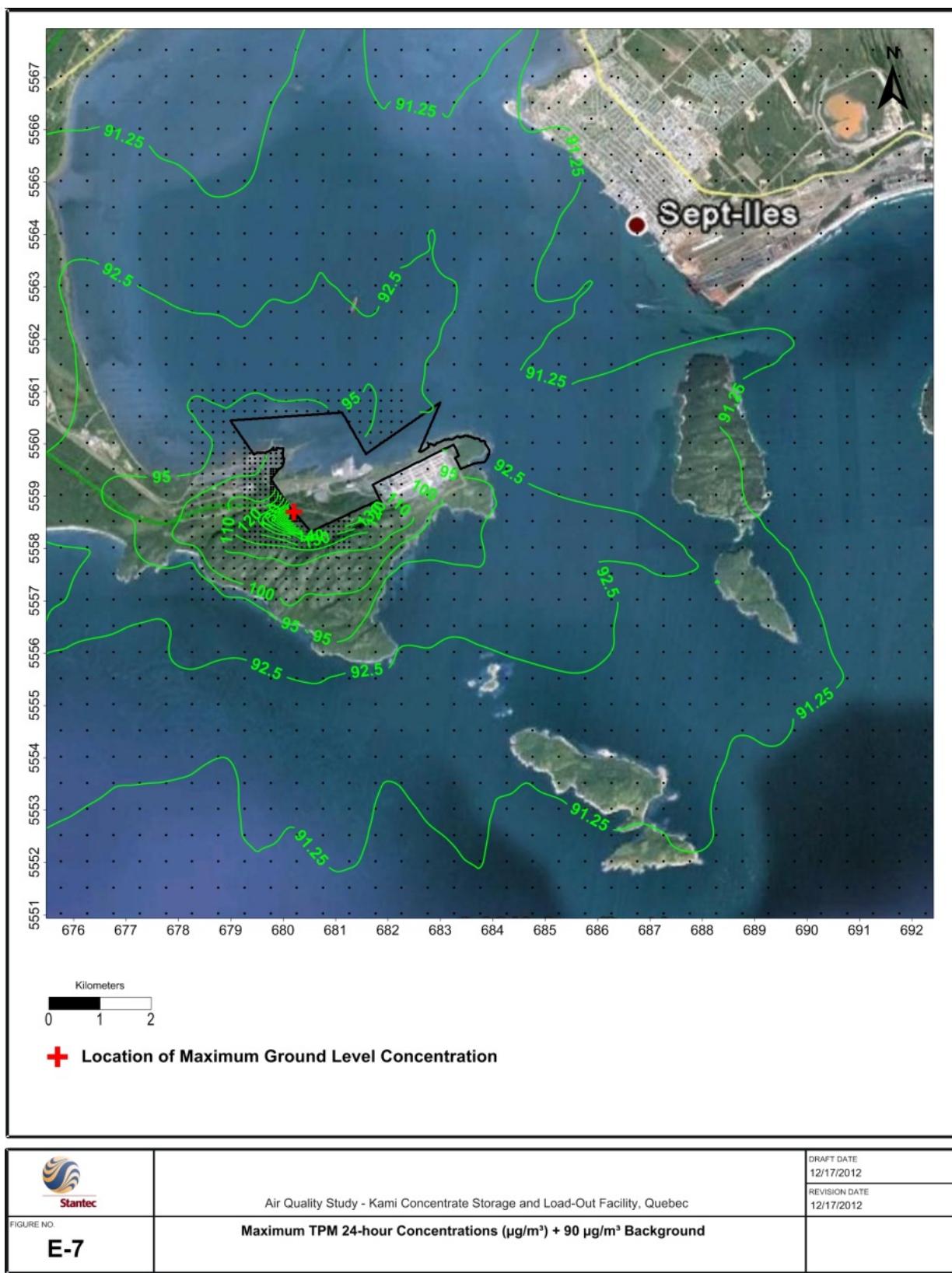
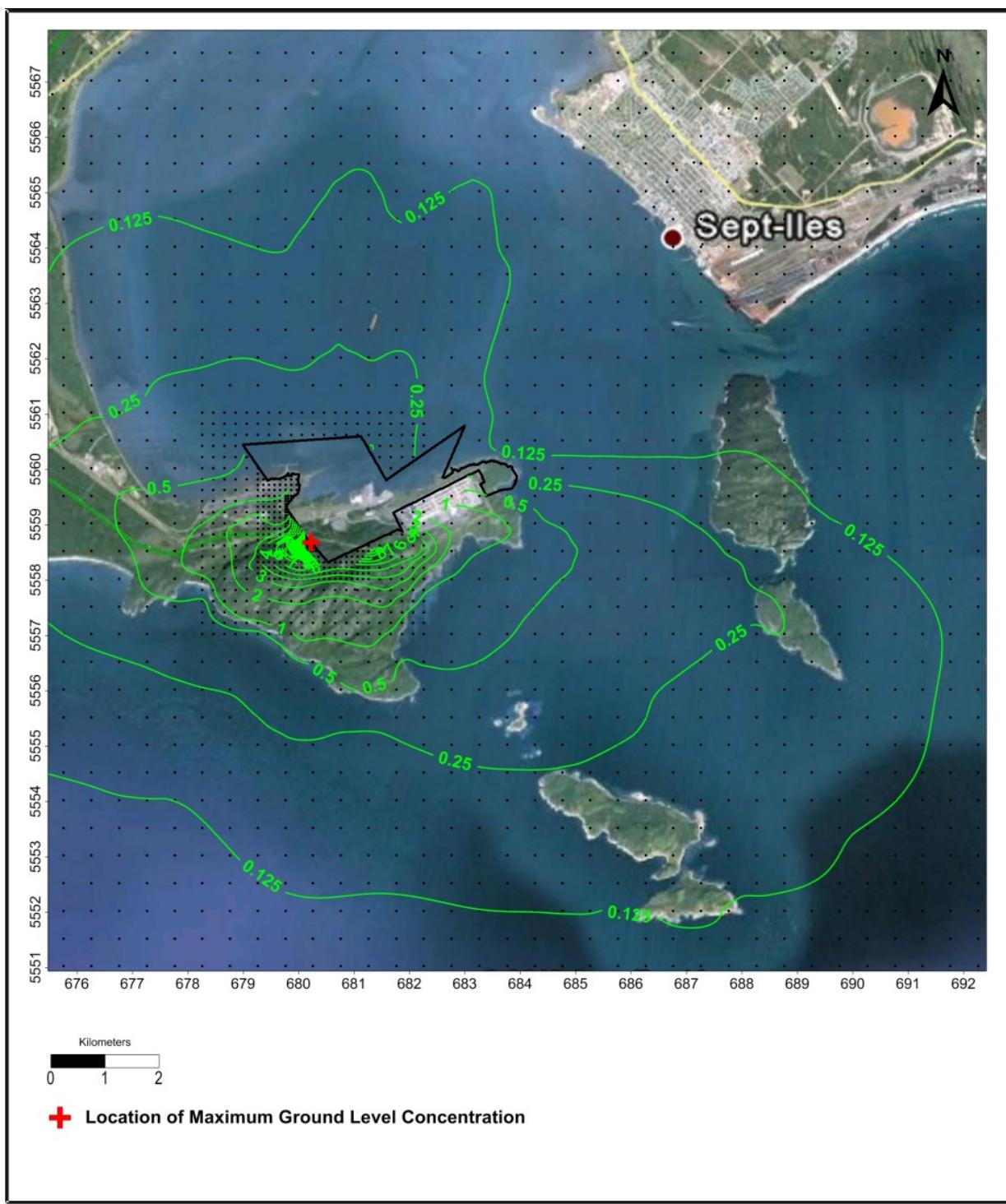
**Figure E-7: Maximum 24-hour TPM Concentration + 90 µg/m<sup>3</sup> Background (µg/m<sup>3</sup>)**

Figure E-8: Maximum Annual TPM Concentration ( $\mu\text{g}/\text{m}^3$ )

 Stantec	Air Quality Study - Kami Concentrate Storage and Load-Out Facility, Quebec	DRAFT DATE 12/17/2012
FIGURE NO. <b>E-8</b>	Maximum TPM Annual Concentrations ( $\mu\text{g}/\text{m}^3$ )	REVISION DATE 12/17/2012