

**ALDERON IRON ORE CORP.**



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

# **Appendix M**

ISO Contours

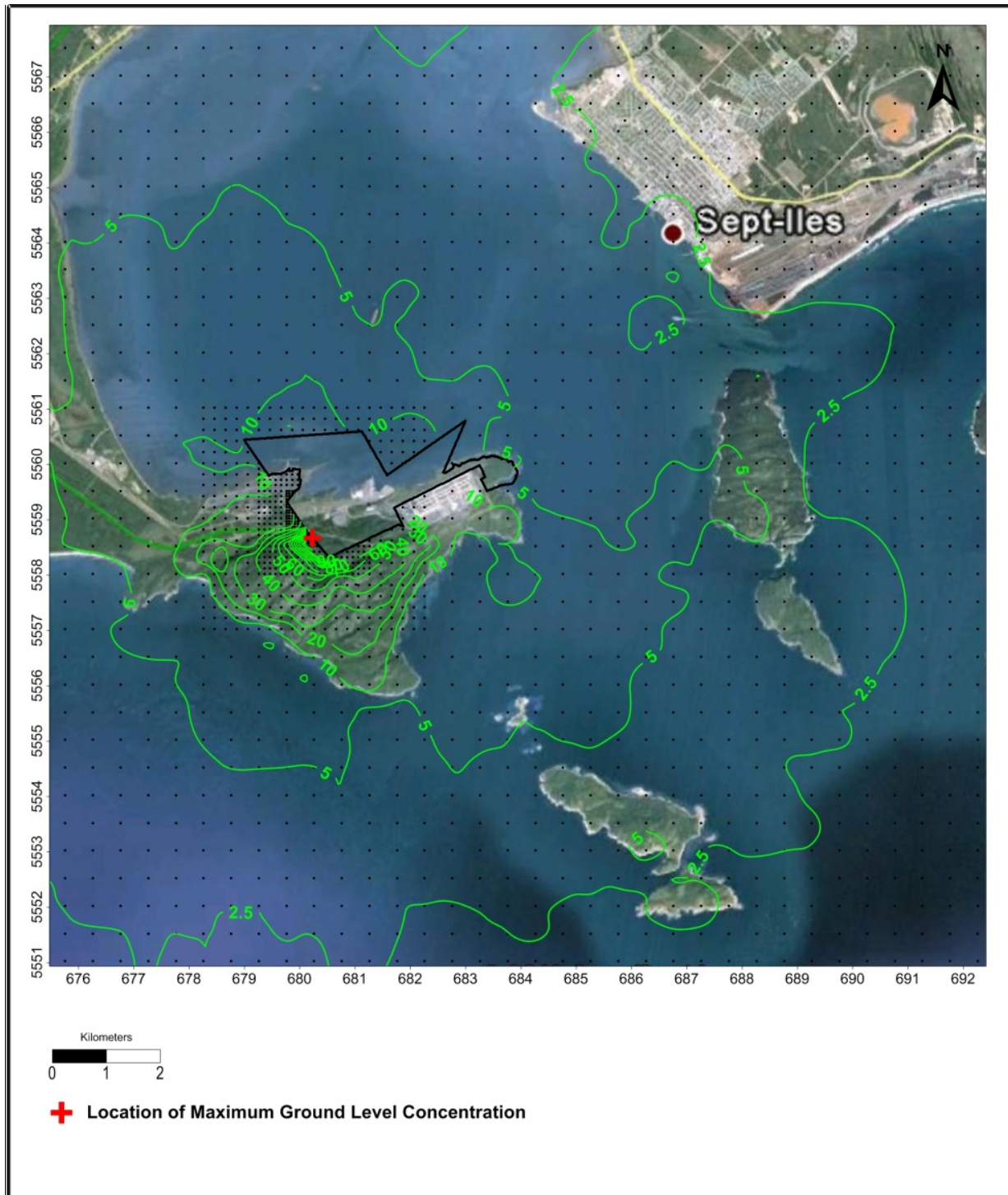



# **APPENDIX A**

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

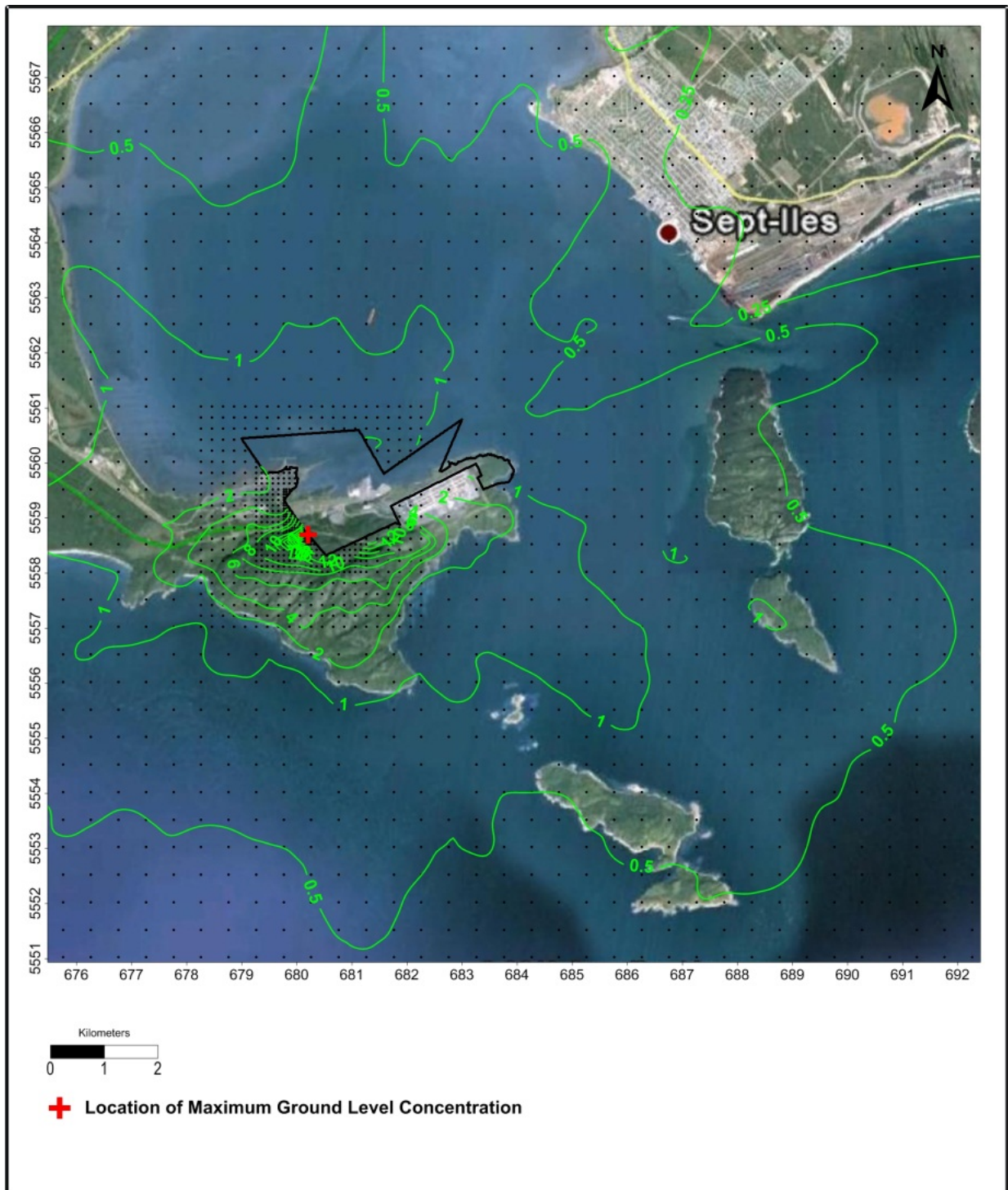



**Figure E-1: Maximum PM<sub>2.5</sub> 1-hour Concentration (µg/m<sup>3</sup>)**



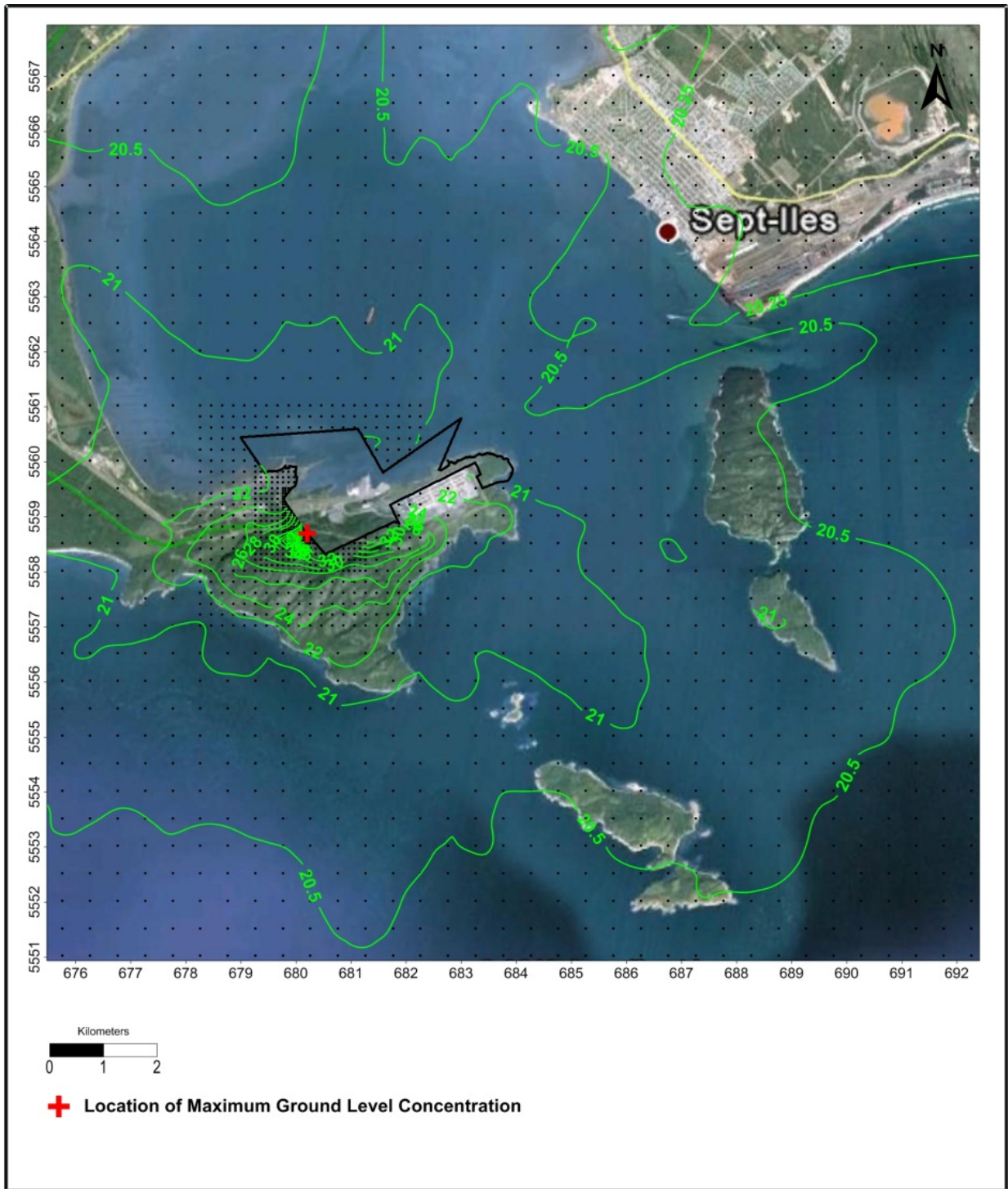
	Air Quality Study - Kami Concentrate Storage and Load-Out Facility, Quebec	DRAFT DATE 12/17/2012
FIGURE NO. <b>E-1</b>	<b>Maximum PM<sub>2.5</sub> Hourly Concentrations (µg/m<sup>3</sup>)</b>	REVISION DATE 12/17/2012


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



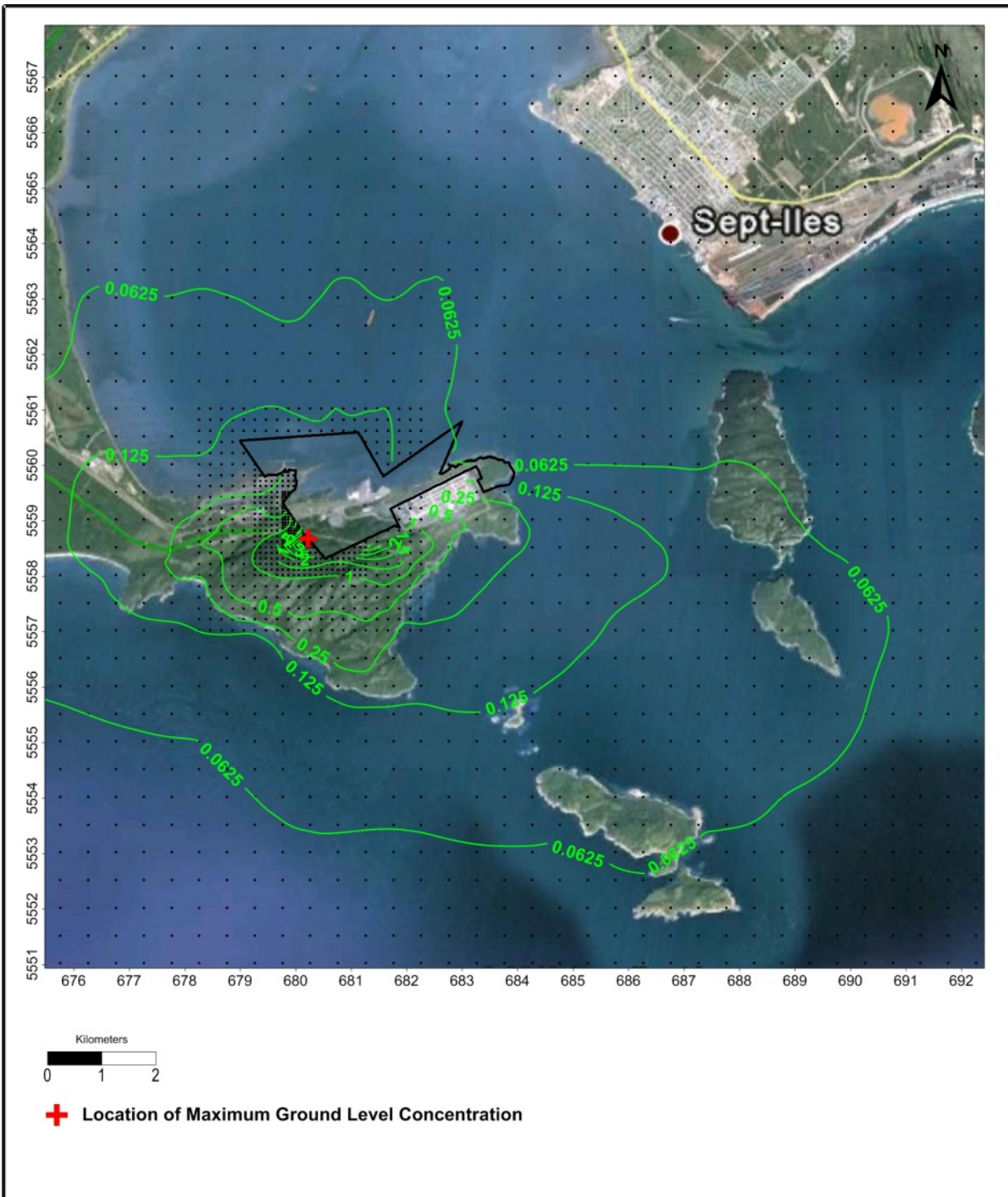
	<p>Air Quality Study - Kami Concentrate Storage and Load-Out Facility, Quebec</p>	<p>DRAFT DATE 12/18/2012</p> <p>REVISION DATE 12/18/2012</p>
<p>FIGURE NO. <b>E-2</b></p>	<p><b>Maximum PM<sub>2.5</sub> 24-hour Concentrations (µg/m<sup>3</sup>)</b></p>	


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



	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>	

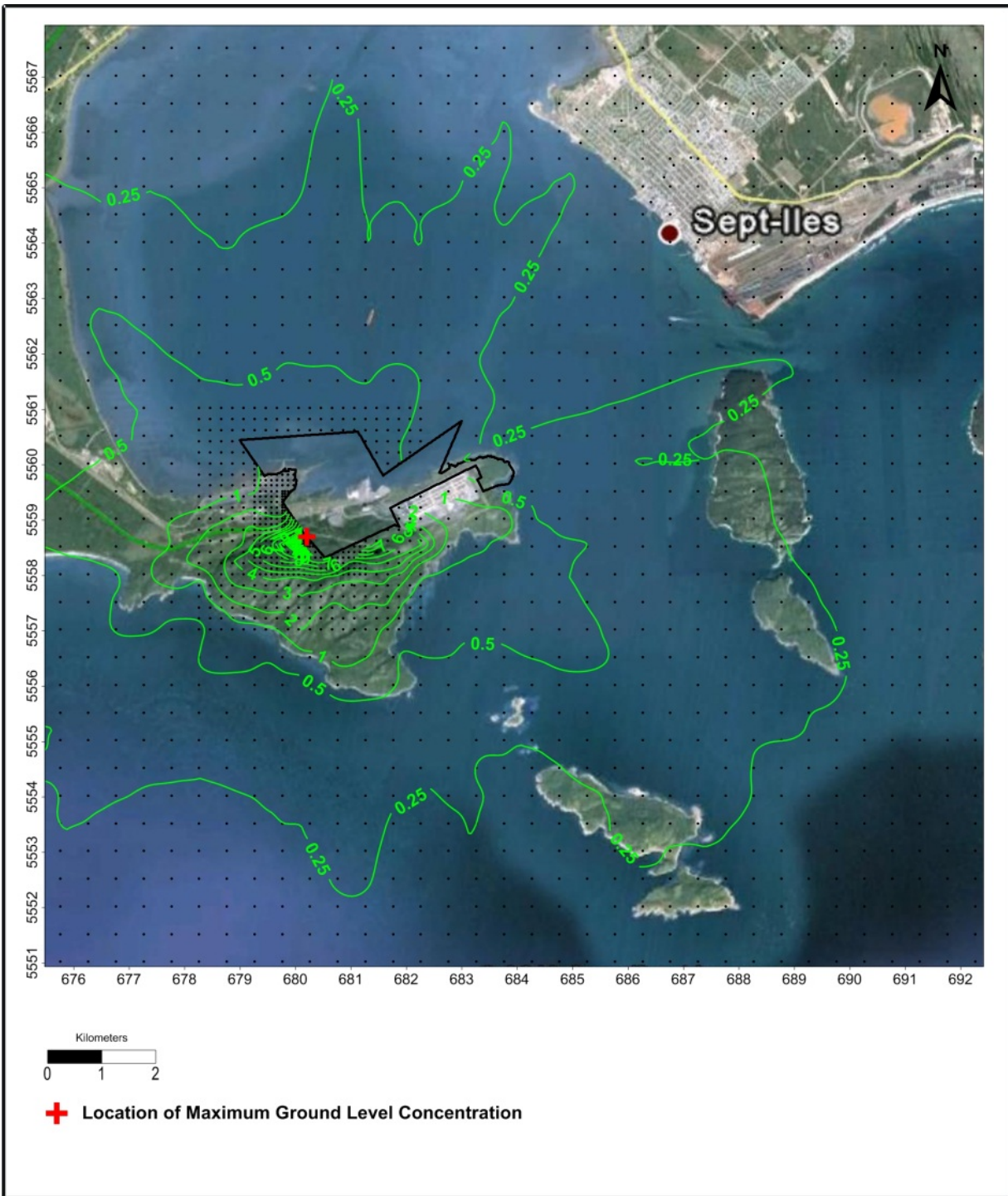
**Figure E-4: Maximum PM<sub>2.5</sub> Annual Concentration (µg/m<sup>3</sup>)**




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

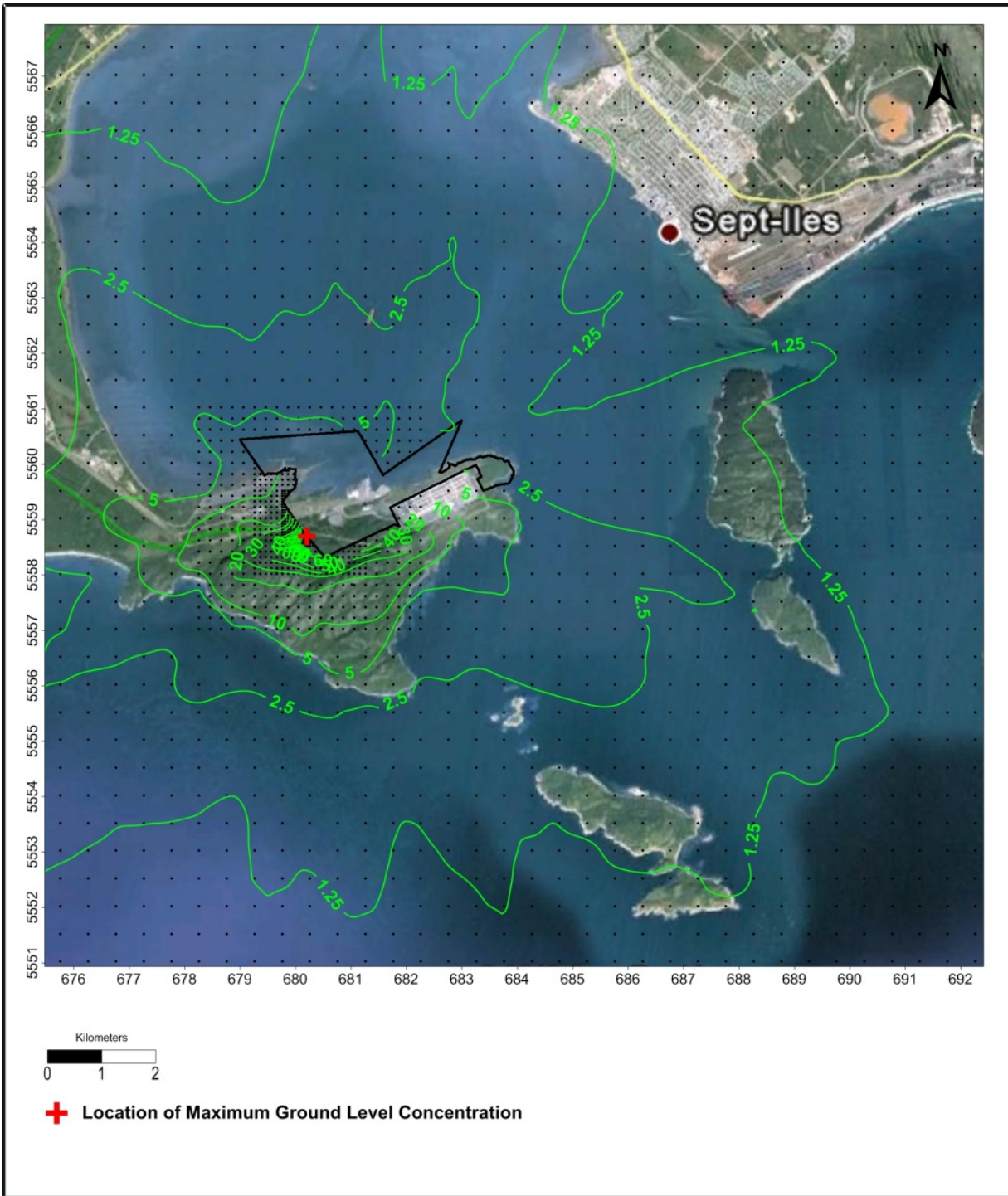



**Figure E-5: Maximum 24-hour PM10 Concentration ( $\mu\text{g}/\text{m}^3$ )**



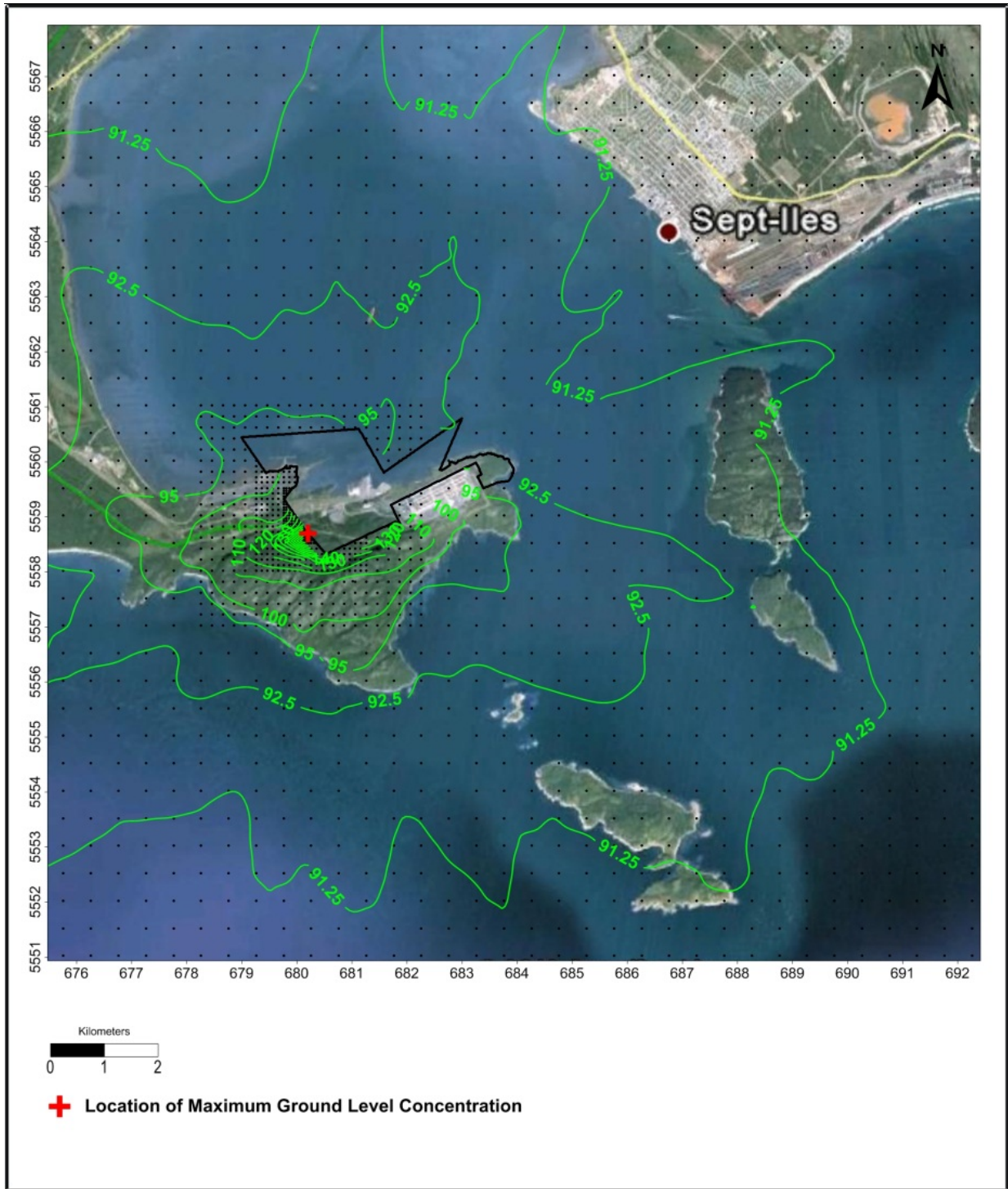
	Air Quality Study - Kami Concentrate Storage and Load-Out Facility, Quebec	DRAFT DATE 12/17/2012
FIGURE NO. <b>E-5</b>		REVISION DATE 12/17/2012
<b>Maximum PM<sub>10</sub> 24-hour Concentrations (<math>\mu\text{g}/\text{m}^3</math>)</b>		


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



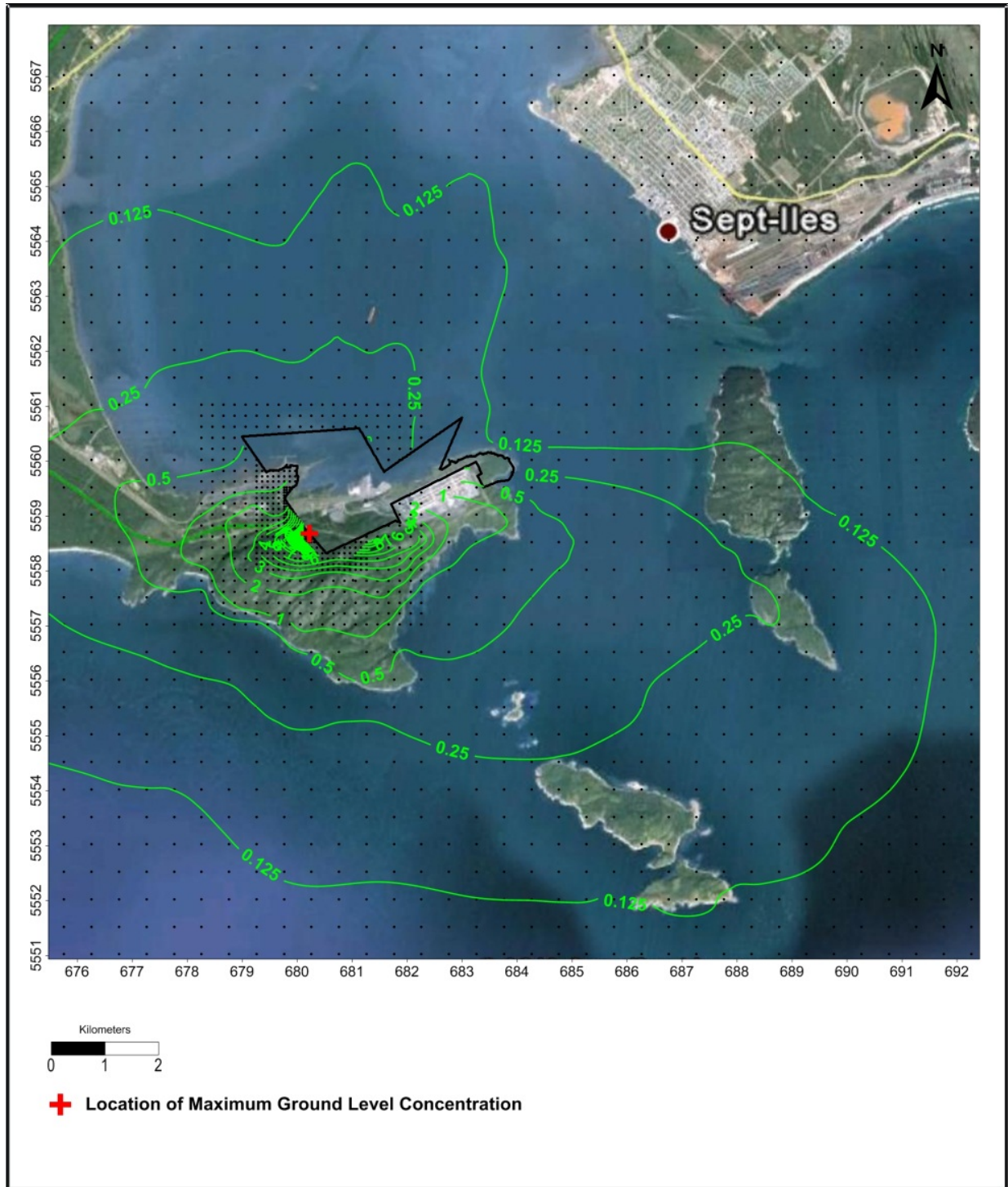
	Air Quality Study - Kami Concentrate Storage and Load-Out Facility, Quebec	DRAFT DATE 12/17/2012
FIGURE NO. <b>E-6</b>		REVISION DATE 12/17/2012
<b>Maximum TPM 24-hour Concentrations (<math>\mu\text{g}/\text{m}^3</math>)</b>		


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



	Air Quality Study - Kami Concentrate Storage and Load-Out Facility, Quebec	DRAFT DATE 12/17/2012
FIGURE NO. <b>E-7</b>	<b>Maximum TPM 24-hour Concentrations (µg/m<sup>3</sup>) + 90 µg/m<sup>3</sup> Background</b>	REVISION DATE 12/17/2012

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



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