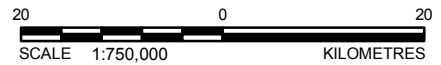


**LEGEND**

- TERRESTRIAL RESOURCES AIR EMISSIONS EFFECTS STUDY AREA
- TERRESTRIAL LOCAL STUDY AREAS
- INDIAN RESERVE
- OPEN WATER
- PUBLIC ROADWAY
- RAILROAD
- DISTURBED**
  - EXISTING AND APPROVED URBAN AND INDUSTRIAL DISTURBANCE
  - EXISTING AND APPROVED URBAN AND INDUSTRIAL LINEAR DISTURBANCE
- EXCEEDANCE**
  - EXCEEDANCE
  - 0.17 keq/ha/yr ISOPLETH
  - 0.25 keq/ha/yr ISOPLETH
- CARIBOU ZONES**
  - ALGAR CARIBOU AREA
  - AUDET CARIBOU AREA
  - BIRCH CARIBOU AREA
  - FIREBAG CARIBOU AREA
  - STEEPBANK CARIBOU AREA
  - WABASCA/DUNKIRK CARIBOU AREA

**REFERENCE**  
 Alberta digital data obtained from AltaLIS Ltd. (September 2004), IHS Energy Ltd. (August 2006), Alberta Pacific Ltd. (April 2004), Pearson Timberline Ltd. (April 2004), AOSERP (1982), EUB, AGS, LANDSAT 7 ETM Imagery (July 2006), and Alberta SRD, used under license. Saskatchewan digital data obtained from Information Services Corp. (September 2004), used under license. Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 12.



PROJECT	JACKPINE MINE EXPANSION & PIERRE RIVER MINE PROJECT		
TITLE	SOIL AND VEGETATION PAI CRITICAL LOAD EXCEEDANCES IN THE TERRESTRIAL RESOURCES AIR EMISSIONS EFFECTS STUDY AREA: BASE CASE		
DESIGN	VR	22 Jan. 2007	SCALE AS SHOWN
GIS	VR	22 Nov. 2007	REV. 0
CHECK	AA	30 Nov. 2007	<b>FIGURE 2-16</b>
REVIEW	WES	04 Dec. 2007	

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