



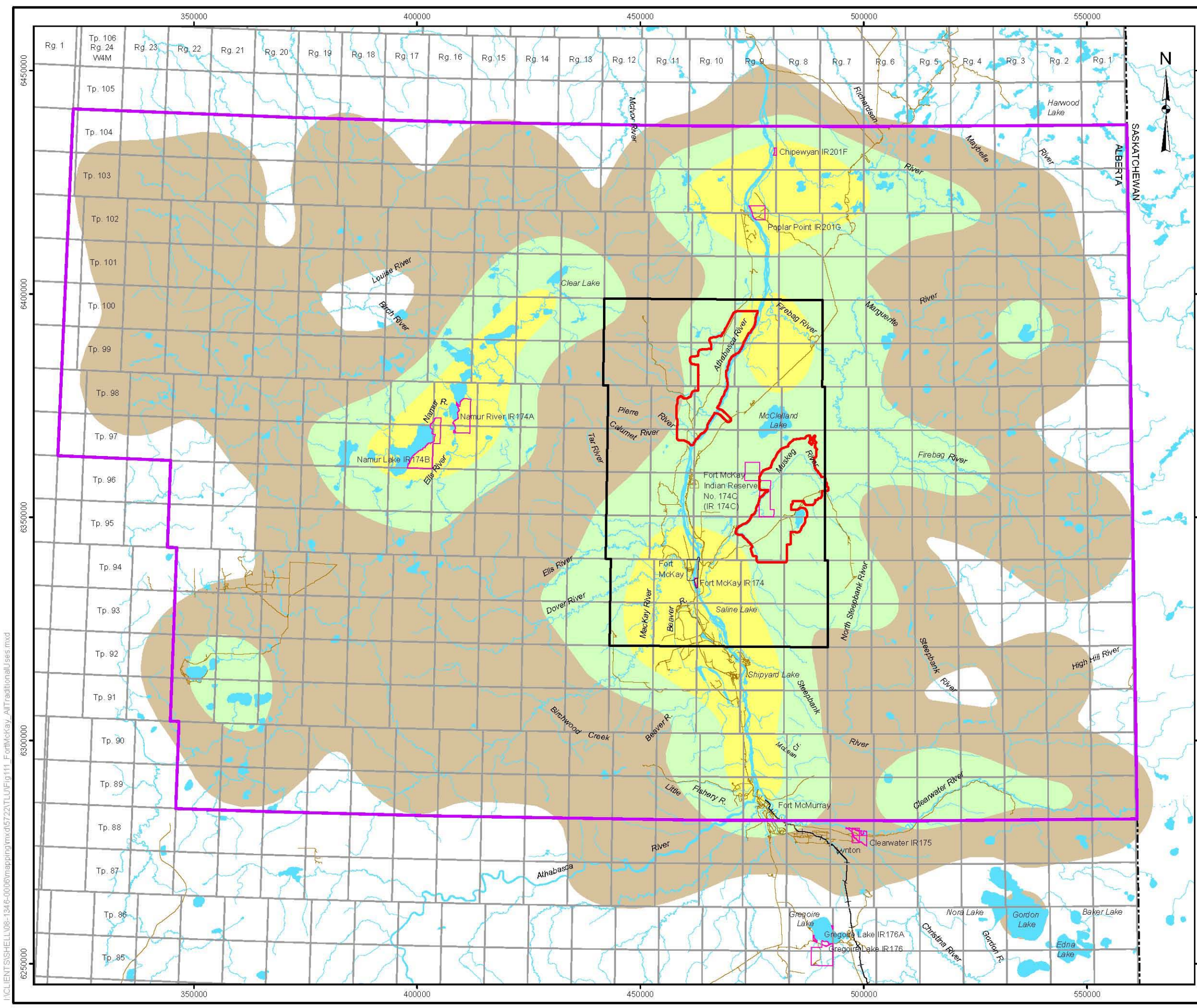
## **ACCESS AND DISTURBANCE**

### **Fort McKay Specific Assessment**

### **Appendix 9-2 Culturally Significant Ecosystem Maps**

**Fort McKay  
Industry Relations Corporation**

**March 2010**



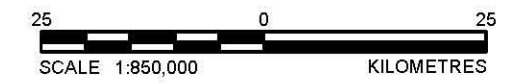
**LEGEND**

- FORT MCKAY TRADITIONAL USE
- FORT MCKAY 40 TOWNSHIP BLOCK
- TERRESTRIAL LOCAL STUDY AREA
- INDIAN RESERVE
- PROVINCIAL BORDER
- OPEN WATER
- PUBLIC ROADWAY
- RAILROAD

**CULTURALLY SIGNIFICANT ECOSYSTEMS (CSE) AREAS**

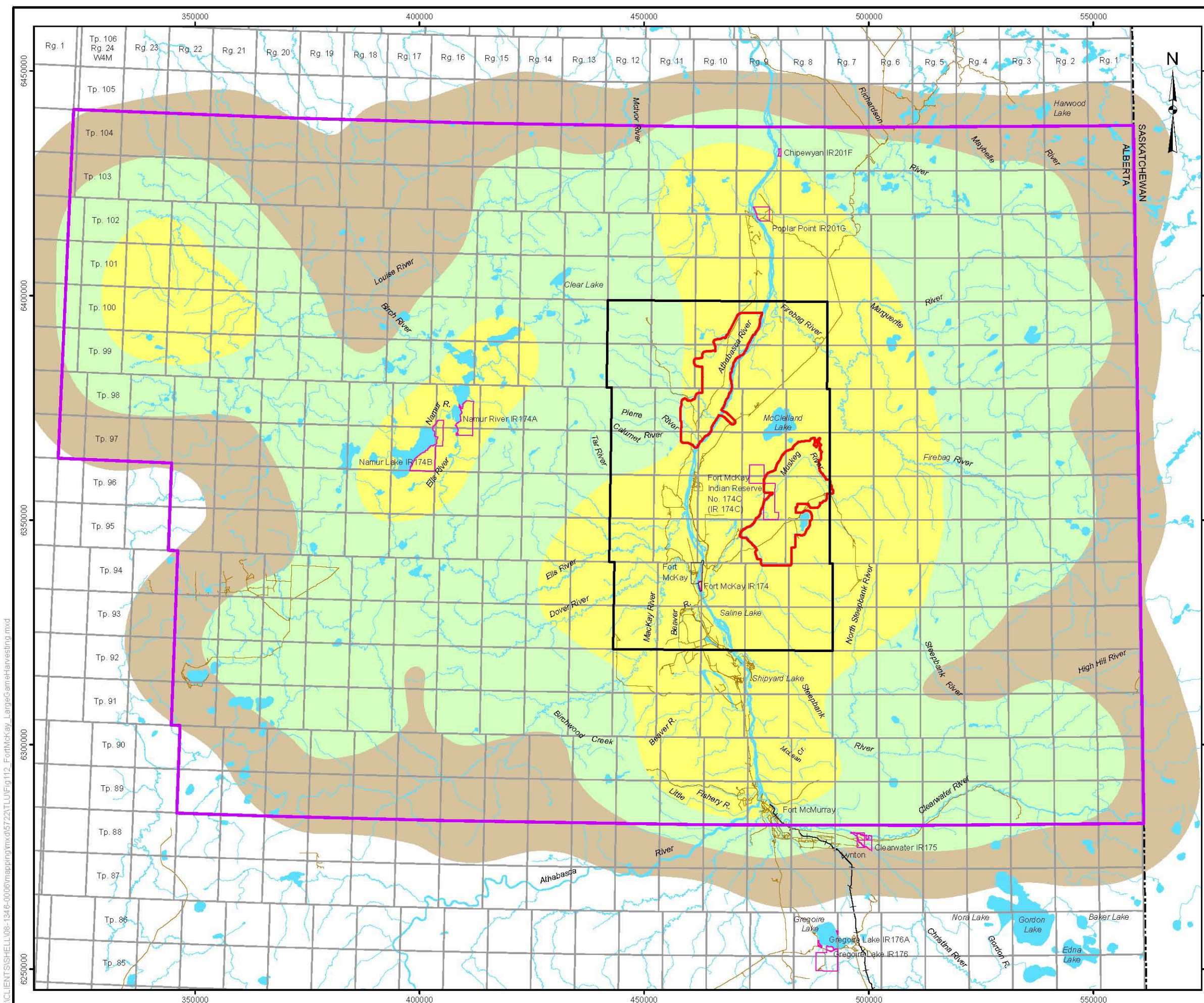
- INTENSE USE CSE (50% UTILIZATION DISTRIBUTION)
- MODERATE USE CSE (75% UTILIZATION DISTRIBUTION)
- LOW USE CSE (95% UTILIZATION DISTRIBUTION)

**REFERENCE**  
 Alberta digital data obtained from AltaLIS Ltd. (September 2004), IHS Energy Ltd. (August 2006), used under license.  
 Projection: UTM Zone 12 Datum: NAD 83



<b>PROJECT</b>	JACKPINE MINE EXPANSION & PIERRE RIVER MINE PROJECT		
<b>TITLE</b>	<b>CULTURALLY SIGNIFICANT ECOSYSTEMS - ALL TRADITIONAL USES</b>		
	PROJECT NO. 08-1346-0006.5722	SCALE AS SHOWN	REV. 0
	DESIGN BDW 01 Dec. 2008	<b>Appendix 9-2</b> <b>Figure 1</b>	
	GIS JH 26 Feb. 2009		
	CHECK AR 09 Mar. 2009		
	REVIEW WS 09 Mar. 2009		

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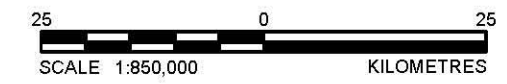
**LEGEND**

- FORT MCKAY TRADITIONAL USE
- FORT MCKAY 40 TOWNSHIP BLOCK
- TERRESTRIAL LOCAL STUDY AREA
- INDIAN RESERVE
- PROVINCIAL BORDER
- OPEN WATER
- PUBLIC ROADWAY
- RAILROAD

**CULTURALLY SIGNIFICANT ECOSYSTEMS (CSE) AREAS**

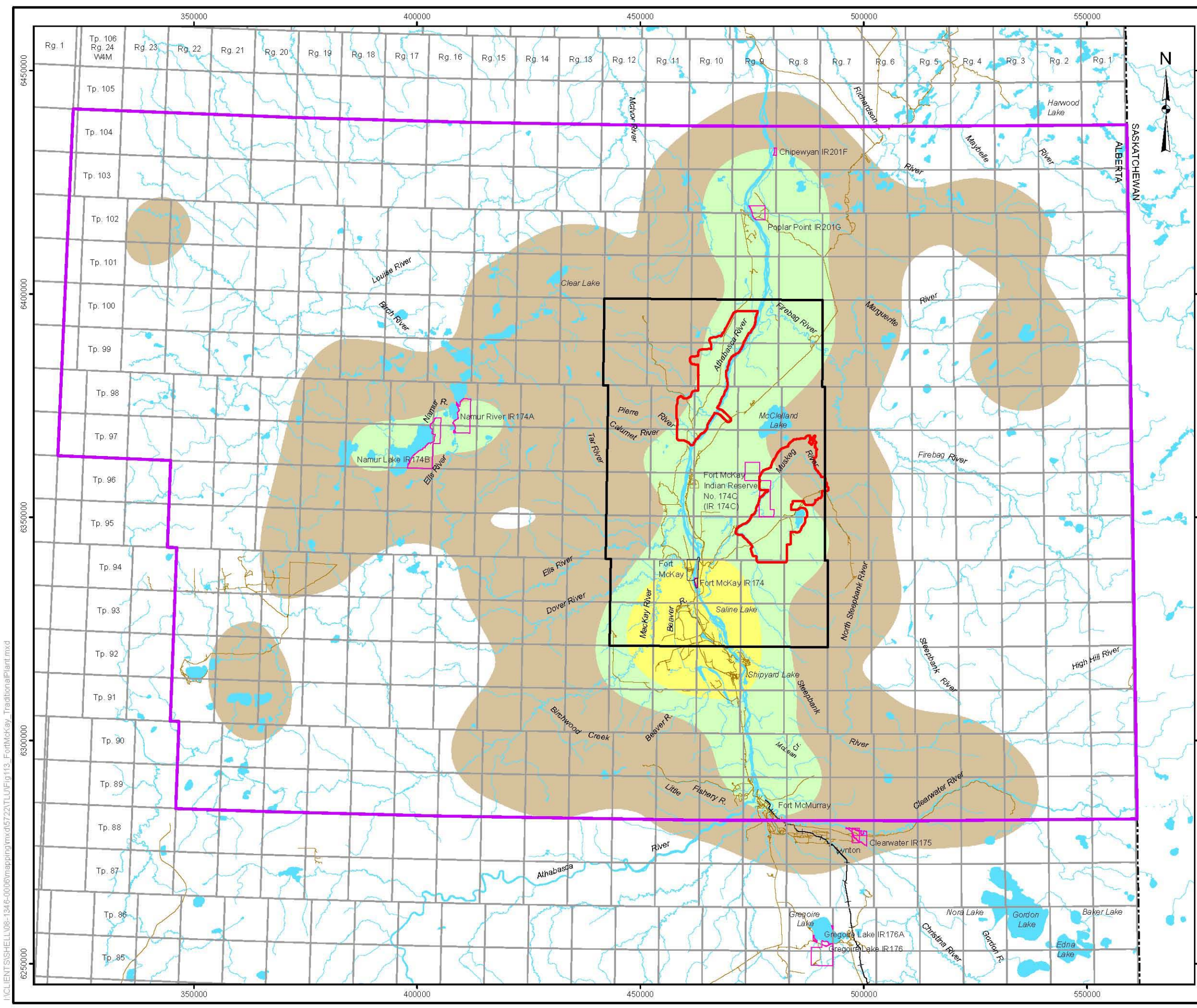
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- MODERATE USE CSE (75% UTILIZATION DISTRIBUTION)
- LOW USE CSE (95% UTILIZATION DISTRIBUTION)

**REFERENCE**  
 Alberta digital data obtained from AltaLIS Ltd. (September 2004), IHS Energy Ltd. (August 2006), used under license.  
 Projection: UTM Zone 12 Datum: NAD 83



PROJECT	JACKPINE MINE EXPANSION & PIERRE RIVER MINE PROJECT		
TITLE	CULTURALLY SIGNIFICANT ECOSYSTEMS - LARGE GAME HARVESTING		
	PROJECT NO. 08-1346-0006.5722	SCALE AS SHOWN	REV. 0
	DESIGN BDW 01 Dec. 2008	<b>Appendix 9-2</b> <b>Figure 2</b>	
	GIS JH 26 Feb. 2009		
	CHECK AR 09 Mar. 2009		
	REVIEW WS 09 Mar. 2009		

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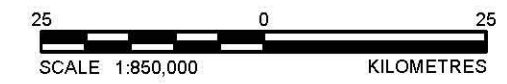
**LEGEND**

- FORT MCKAY TRADITIONAL USE
- FORT MCKAY 40 TOWNSHIP BLOCK
- TERRESTRIAL LOCAL STUDY AREA
- INDIAN RESERVE
- PROVINCIAL BORDER
- OPEN WATER
- PUBLIC ROADWAY
- RAILROAD

**CULTURALLY SIGNIFICANT ECOSYSTEMS (CSE) AREAS**

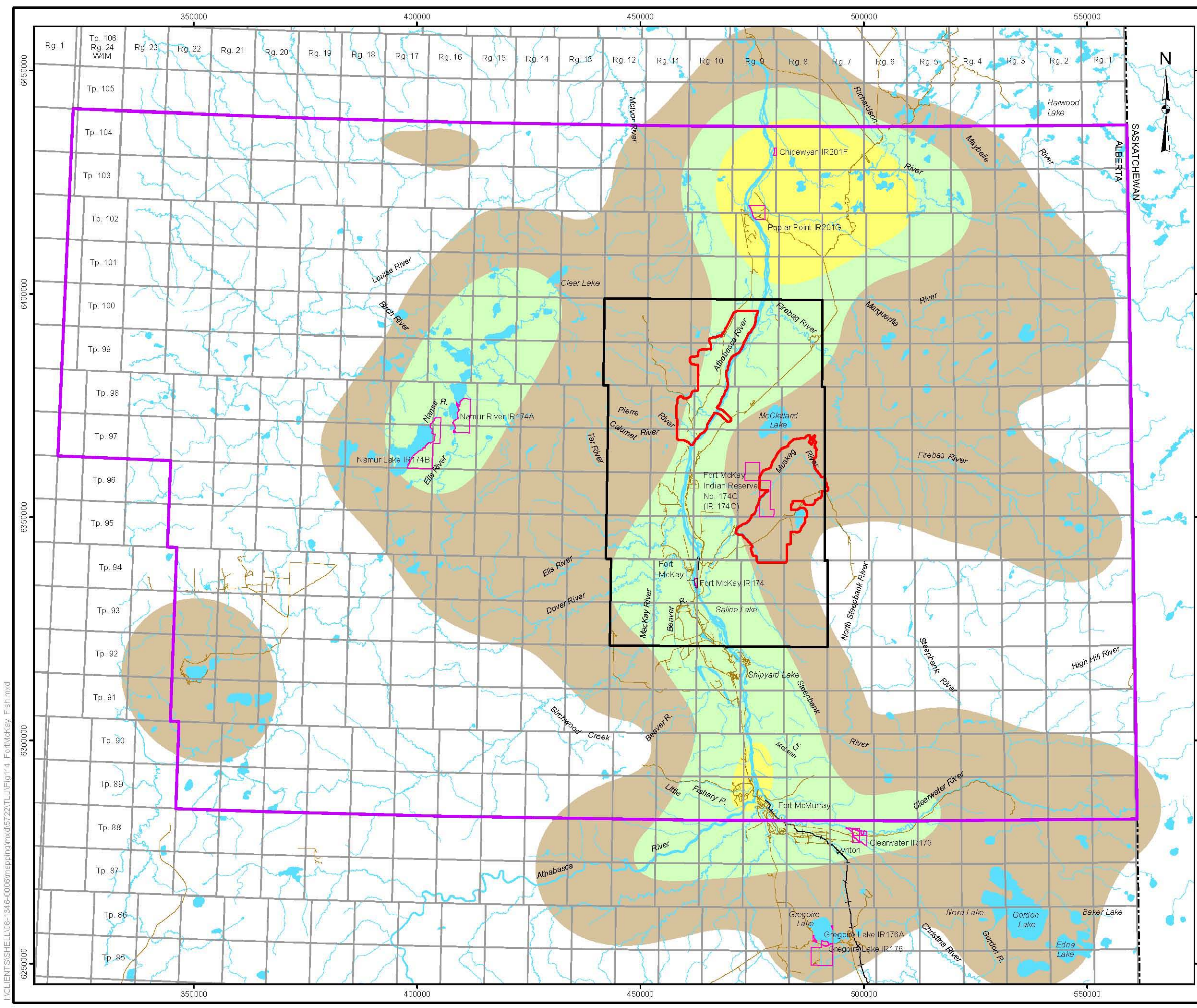
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- MODERATE USE CSE (75% UTILIZATION DISTRIBUTION)
- LOW USE CSE (95% UTILIZATION DISTRIBUTION)

**REFERENCE**  
 Alberta digital data obtained from AltaLIS Ltd. (September 2004), IHS Energy Ltd. (August 2006), used under license.  
 Projection: UTM Zone 12 Datum: NAD 83



<b>PROJECT</b>	JACKPINE MINE EXPANSION & PIERRE RIVER MINE PROJECT		
<b>TITLE</b>	<b>CULTURALLY SIGNIFICANT ECOSYSTEMS - TRADITIONAL PLANT HARVESTING (BERRIES)</b>		
	PROJECT NO. 08-1346-0006.5722	SCALE AS SHOWN	REV. 0
	DESIGN BDW 01 Dec. 2008	<b>Appendix 9-2</b> <b>Figure 3</b>	
	GIS JH 26 Feb. 2009		
	CHECK AR 09 Mar. 2009		
	REVIEW WS 09 Mar. 2009		

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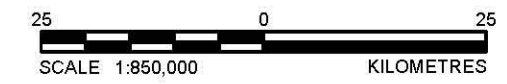
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- FORT MCKAY TRADITIONAL USE
- FORT MCKAY 40 TOWNSHIP BLOCK
- TERRESTRIAL LOCAL STUDY AREA
- INDIAN RESERVE
- PROVINCIAL BORDER
- OPEN WATER
- PUBLIC ROADWAY
- RAILROAD

**CULTURALLY SIGNIFICANT ECOSYSTEMS (CSE) AREAS**

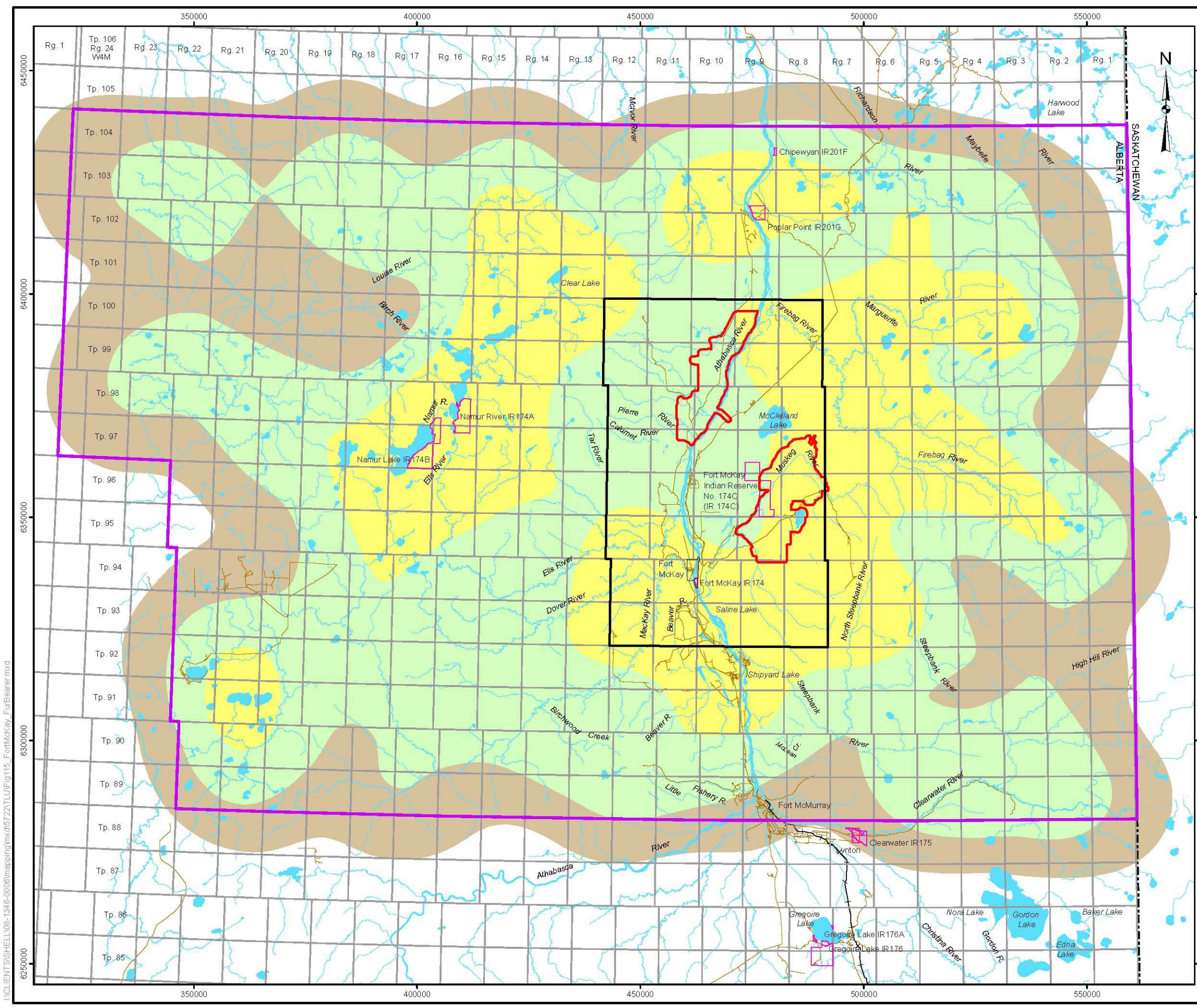
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- MODERATE USE CSE (75% UTILIZATION DISTRIBUTION)
- LOW USE CSE (95% UTILIZATION DISTRIBUTION)

**REFERENCE**  
 Alberta digital data obtained from AltaLIS Ltd. (September 2004), IHS Energy Ltd. (August 2006), used under license.  
 Projection: UTM Zone 12 Datum: NAD 83



<b>PROJECT</b>	JACKPINE MINE EXPANSION & PIERRE RIVER MINE PROJECT		
<b>TITLE</b>	<b>CULTURALLY SIGNIFICANT ECOSYSTEMS - UTILIZATION DISTRIBUTION OF FISH</b>		
	PROJECT NO. 08-1346-0006.5722	SCALE AS SHOWN	REV. 0
	DESIGN BDW 01 Dec. 2008	<b>Appendix 9-2</b> <b>Figure 4</b>	
	GIS JH 26 Feb. 2009		
	CHECK AR 09 Mar. 2009		
	REVIEW WS 09 Mar. 2009		

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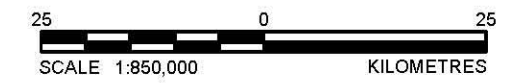
**LEGEND**

- FORT MCKAY TRADITIONAL USE
- FORT MCKAY 40 TOWNSHIP BLOCK
- TERRESTRIAL LOCAL STUDY AREA
- INDIAN RESERVE
- PROVINCIAL BORDER
- OPEN WATER
- PUBLIC ROADWAY
- RAILROAD

**CULTURALLY SIGNIFICANT ECOSYSTEMS (CSE) AREAS**

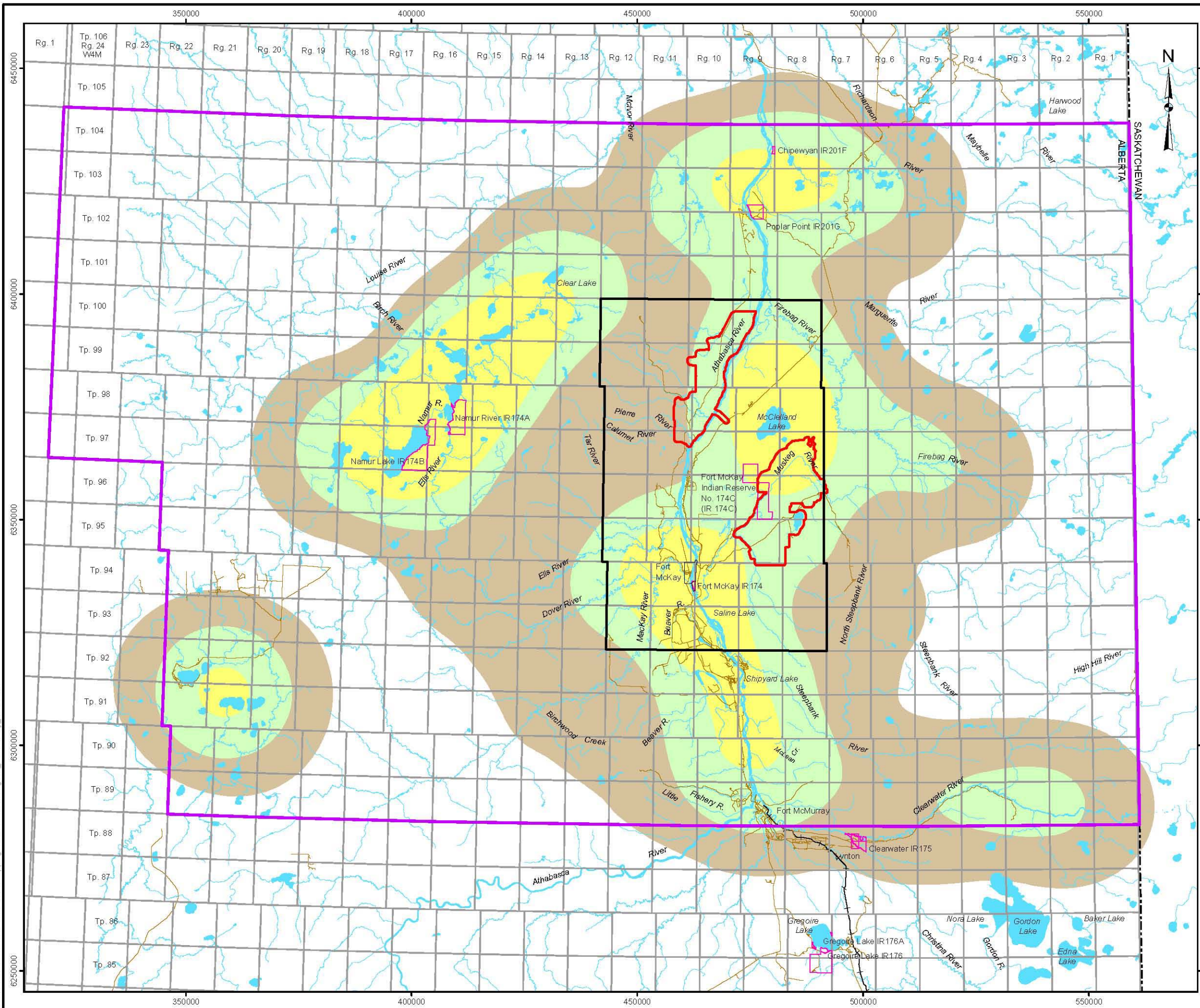
- INTENSE USE CSE (50% UTILIZATION DISTRIBUTION)
- MODERATE USE CSE (75% UTILIZATION DISTRIBUTION)
- LOW USE CSE (95% UTILIZATION DISTRIBUTION)

**REFERENCE**  
 Alberta digital data obtained from AltaLIS Ltd. (September 2004), IHS Energy Ltd. (August 2006), used under license.  
 Projection: UTM Zone 12 Datum: NAD 83



<b>PROJECT</b>	JACKPINE MINE EXPANSION & PIERRE RIVER MINE PROJECT		
<b>TITLE</b>	<b>CULTURALLY SIGNIFICANT ECOSYSTEMS - UTILIZATION DISTRIBUTION OF FUR BEARERS</b>		
	PROJECT NO. 08-1346-0006.5722	SCALE AS SHOWN	REV. 0
	DESIGN BDW 01 Dec. 2008	<b>Appendix 9-2</b> <b>Figure 5</b>	
	GIS JH 26 Feb. 2009		
	CHECK AR 09 Mar. 2009		
	REVIEW WS 09 Mar. 2009		

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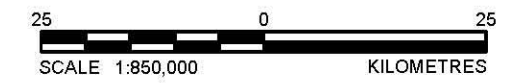
**LEGEND**

- FORT MCKAY TRADITIONAL USE
- FORT MCKAY 40 TOWNSHIP BLOCK
- TERRESTRIAL LOCAL STUDY AREA
- INDIAN RESERVE
- PROVINCIAL BORDER
- OPEN WATER
- PUBLIC ROADWAY
- RAILROAD

**CULTURALLY SIGNIFICANT ECOSYSTEMS (CSE) AREAS**

- INTENSE USE CSE (50% UTILIZATION DISTRIBUTION)
- MODERATE USE CSE (75% UTILIZATION DISTRIBUTION)
- LOW USE CSE (95% UTILIZATION DISTRIBUTION)

**REFERENCE**  
 Alberta digital data obtained from AltaLIS Ltd. (September 2004), IHS Energy Ltd. (August 2006), used under license.  
 Projection: UTM Zone 12 Datum: NAD 83



<b>PROJECT</b>	JACKPINE MINE EXPANSION & PIERRE RIVER MINE PROJECT		
<b>TITLE</b>	<b>CULTURALLY SIGNIFICANT ECOSYSTEMS - UTILIZATION DISTRIBUTION OF BIRDS</b>		
	PROJECT NO. 08-1346-0006.5722	SCALE AS SHOWN	REV. 0
	DESIGN BDW 01 Dec. 2008	<b>Appendix 9-2</b> <b>Figure 6</b>	
	GIS JH 26 Feb. 2009		
	CHECK AR 09 Mar. 2009		
	REVIEW WS 09 Mar. 2009		

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