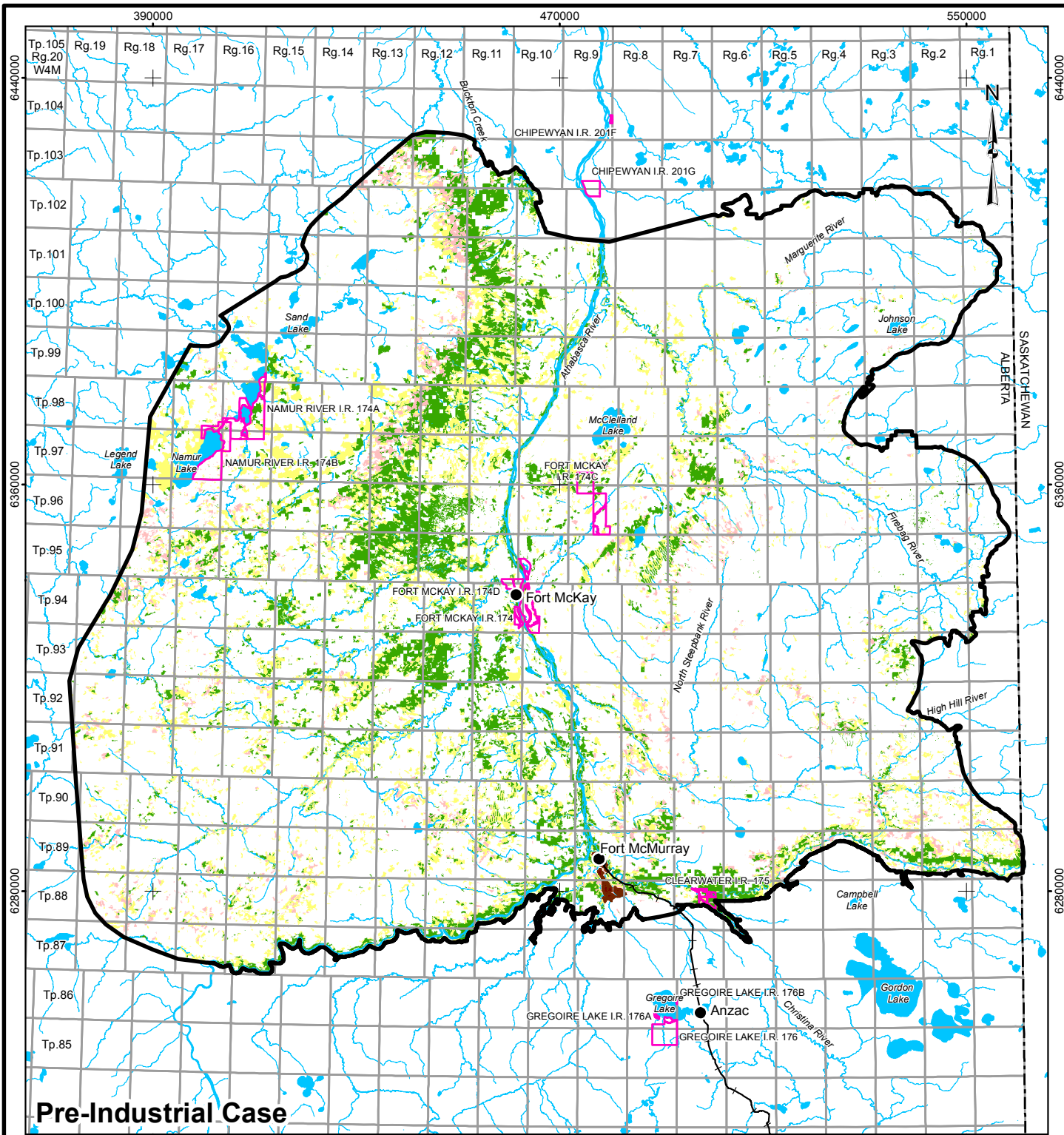


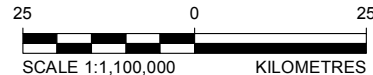
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Pre-Industrial Case

LEGEND

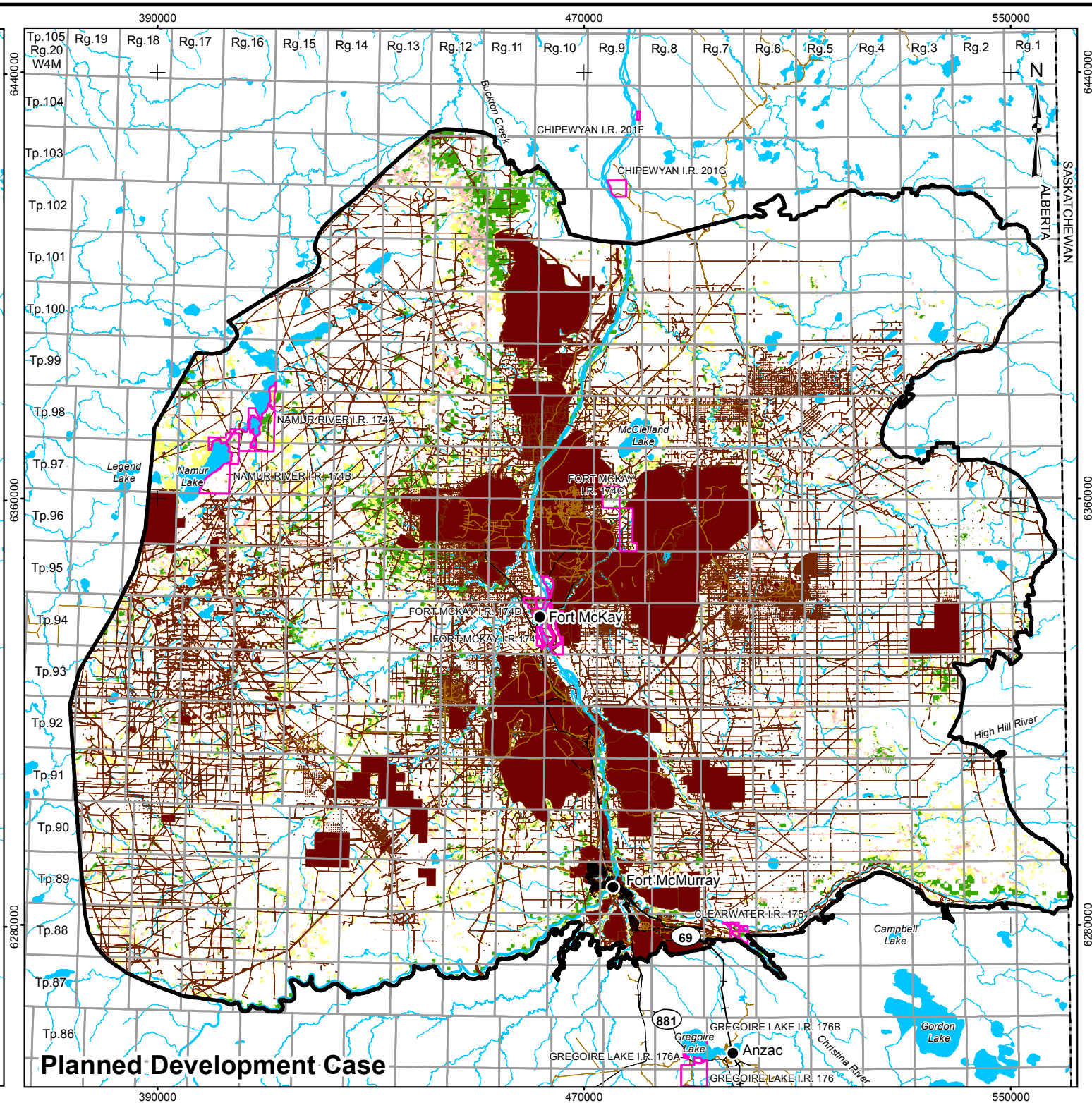
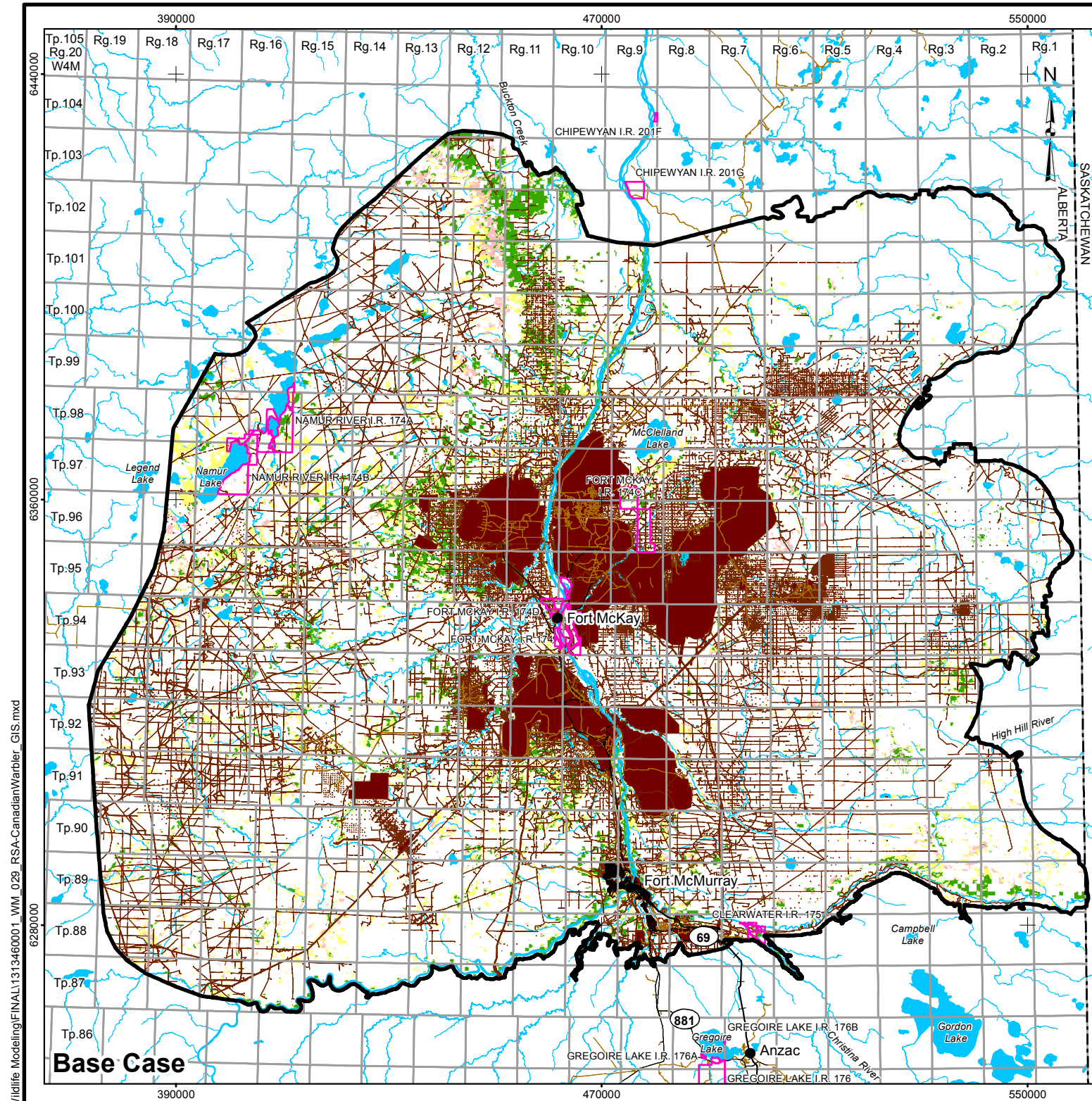
- COMMUNITY
- RAILWAY
- WATERCOURSE
- INDIAN RESERVE
- PROVINCIAL BOUNDARY
- TERRESTRIAL RESOURCES REGIONAL STUDY AREA
- OPEN WATER
- DISTURBED**
- EXISTING AND APPROVED URBAN AND INDUSTRIAL DISTURBANCE
- EXISTING AND APPROVED URBAN AND INDUSTRIAL LINEAR DISTURBANCE
- HABITAT SUITABILITY**
- HIGH
- MODERATE
- LOW
- NIL



REFERENCE

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PROJECT					
PIERRE RIVER MINE PROJECT					
TITLE					
CANADA WARBLER PRE-INDUSTRIAL CASE HABITAT SUITABILITY IN THE REGIONAL STUDY AREA					
<p>Shell Canada Limited</p>	PROJECT	PROJECT NO.	FILE No.		
	DESIGN	BS	26 Apr 2013	SCALE AS SHOWN	REV. 0
	GIS	SB	25 Jun 2013	FIGURE: 28	
	CHECK	CY	27 May 2013		
REVIEW	MGJ	27 May 2013			



LEGEND

● COMMUNITY	DISTURBED
— PAVED ROAD	■ EXISTING AND APPROVED URBAN AND INDUSTRIAL DISTURBANCE
— UNPAVED ROAD	— EXISTING AND APPROVED URBAN AND INDUSTRIAL LINEAR DISTURBANCE
— RAILWAY	HABITAT SUITABILITY
— WATERCOURSE	■ HIGH
□ INDIAN RESERVE	■ MODERATE
— PROVINCIAL BOUNDARY	■ LOW
□ TERRESTRIAL RESOURCES REGIONAL STUDY AREA	□ NIL
■ OPEN WATER	



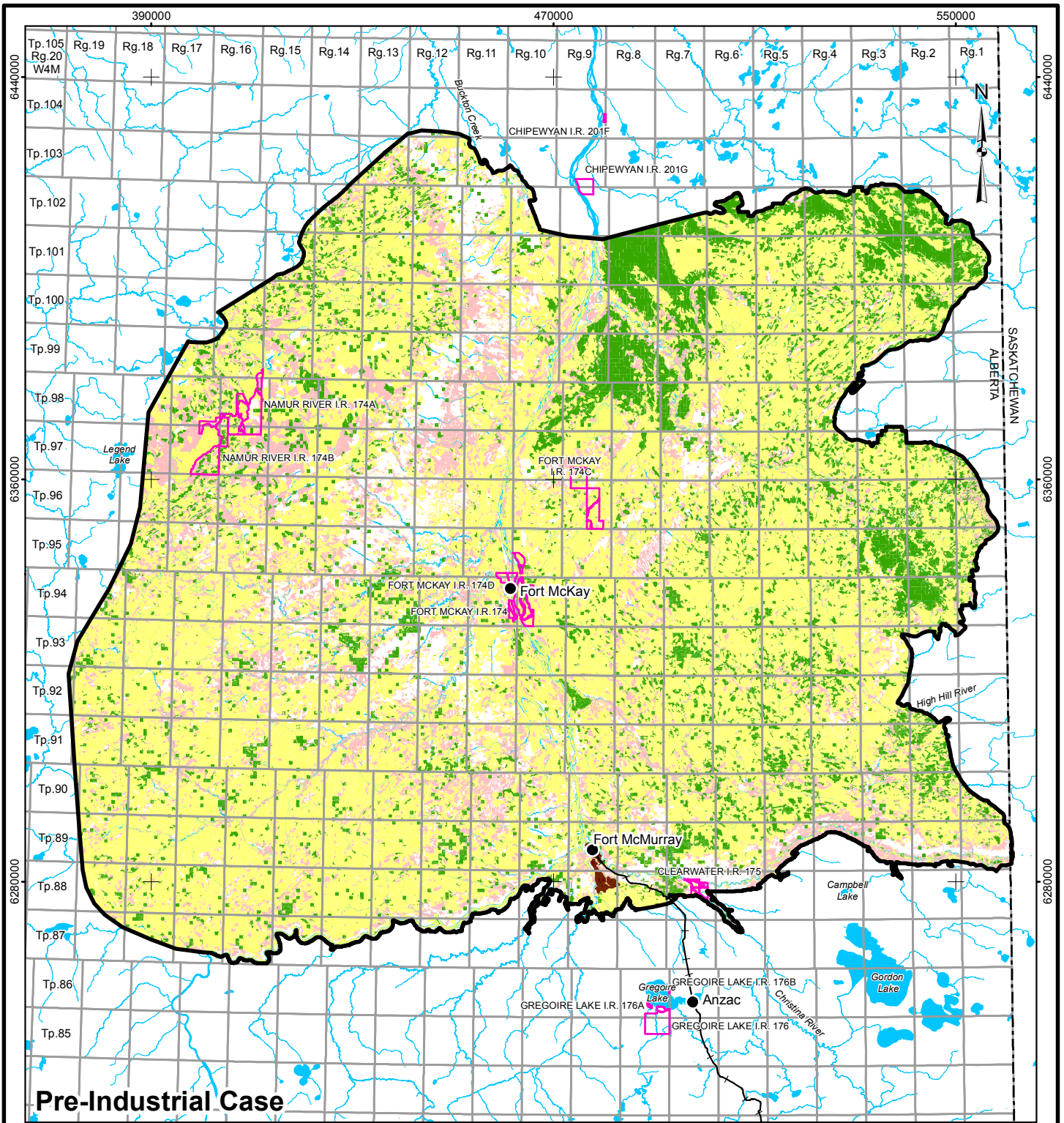
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ALBERTA DIGITAL BASE DATA OBTAINED FROM ALTALIS LTD. © GOVERNMENT OF ALBERTA 2013. PROVINCIAL BOUNDARY OBTAINED FROM IHS ENERGY INC. DATUM: NAD83 PROJECTION: UTM ZONE 12N

PROJECT				
PIERRE RIVER MINE PROJECT				
TITLE				
CANADA WARBLER HABITAT SUITABILITY IN THE REGIONAL STUDY AREA				
 Shell Canada Limited	PROJECT	PROJECT NO.	FILE No.	
	DESIGN	BS	26 Apr 2013	SCALE AS SHOWN
	GIS	SB	25 Jun 2013	REV. 0
	CHECK	CY	27 May 2013	
	REVIEW	MGJ	27 May 2013	
				FIGURE: 29

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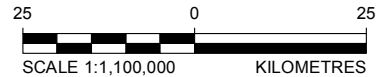
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Pre-Industrial Case

LEGEND

- | | |
|---|---|
| ● COMMUNITY | DISTURBED |
| — RAILWAY | EXISTING AND APPROVED URBAN AND INDUSTRIAL DISTURBANCE |
| — WATERCOURSE | EXISTING AND APPROVED URBAN AND INDUSTRIAL LINEAR DISTURBANCE |
| □ INDIAN RESERVE | HABITAT SUITABILITY |
| □ PROVINCIAL BOUNDARY | HIGH |
| □ TERRESTRIAL RESOURCES REGIONAL STUDY AREA | MODERATE |
| □ OPEN WATER | LOW |
| | NIL |

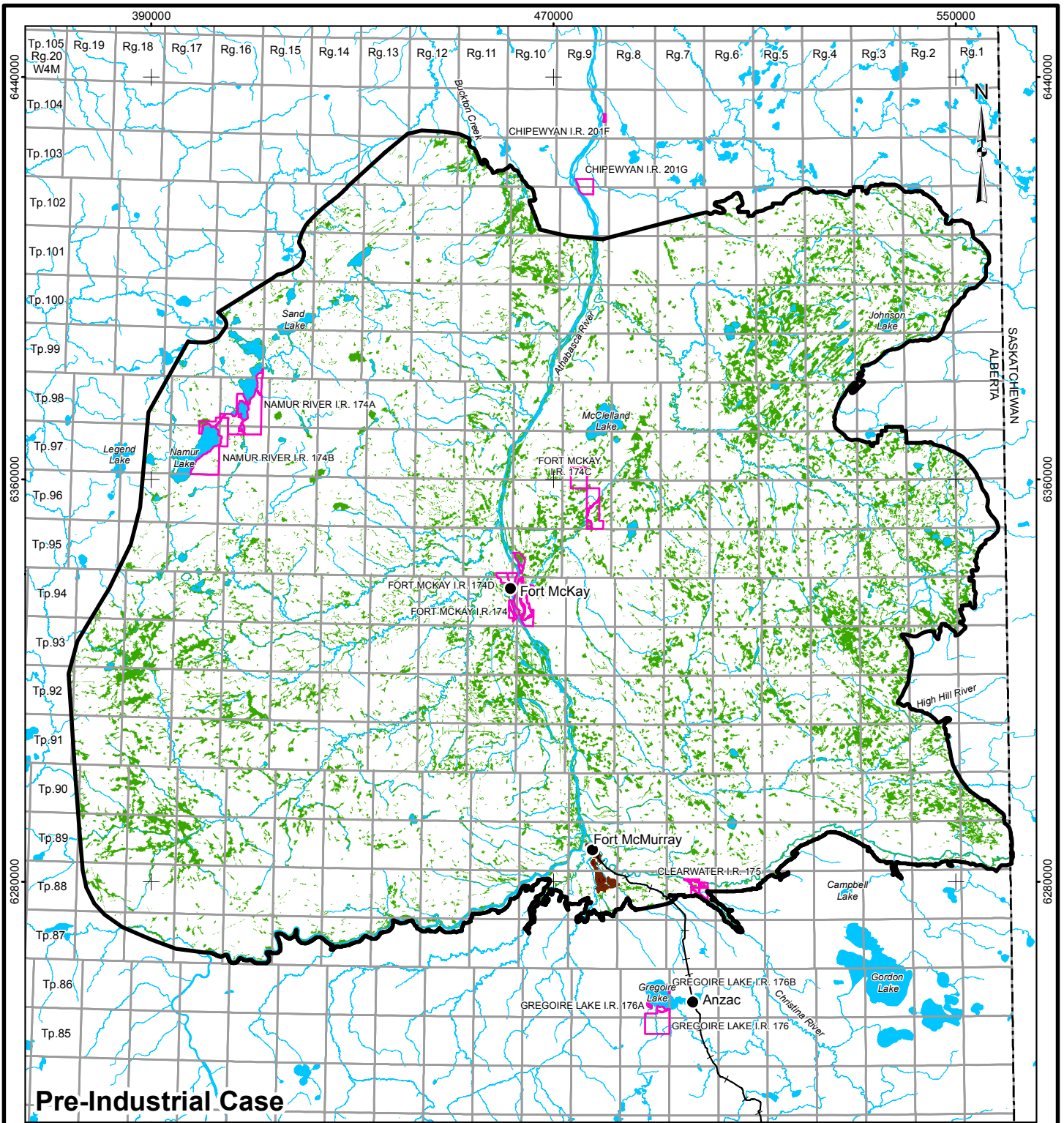


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ALBERTA DIGITAL BASE DATA OBTAINED FROM ALTALIS LTD. © GOVERNMENT OF ALBERTA 2013. PROVINCIAL BOUNDARY OBTAINED FROM IHS ENERGY INC. DATUM: NAD83 PROJECTION: UTM ZONE 12N

PROJECT				
PIERRE RIVER MINE PROJECT				
TITLE				
COMMON NIGHTHAWK PRE-INDUSTRIAL CASE HABITAT SUITABILITY IN THE REGIONAL STUDY AREA				
 Shell Canada Limited	PROJECT	PROJECT NO.	FILE No.	
	DESIGN	BS	26 Apr 2013	SCALE AS SHOWN
	GIS	SB	26 Jun 2013	REV. 0
	CHECK	CY	27 May 2013	FIGURE: 30
REVIEW	MGJ	27 May 2013		

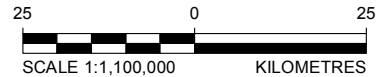
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Pre-Industrial Case

LEGEND

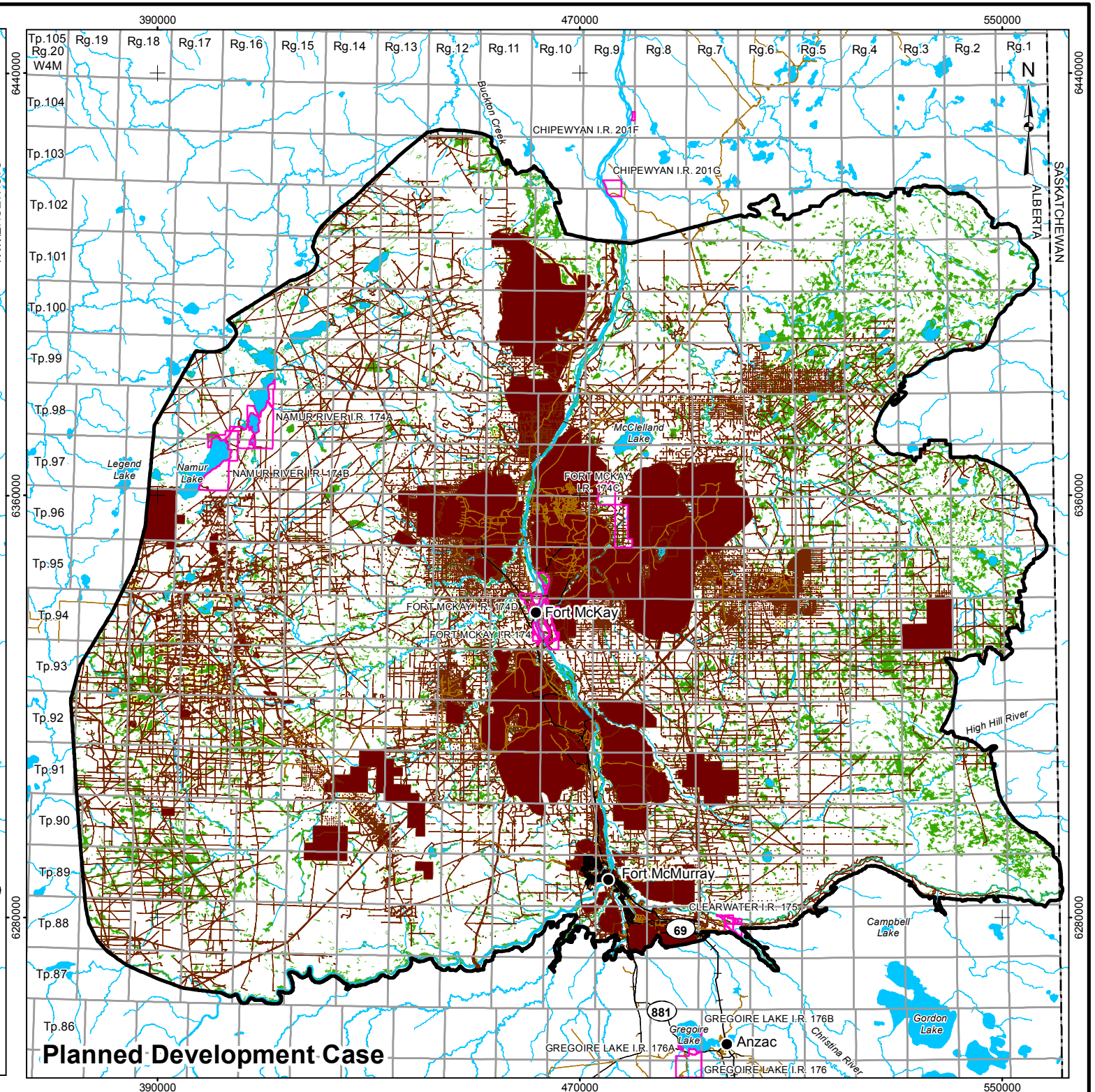
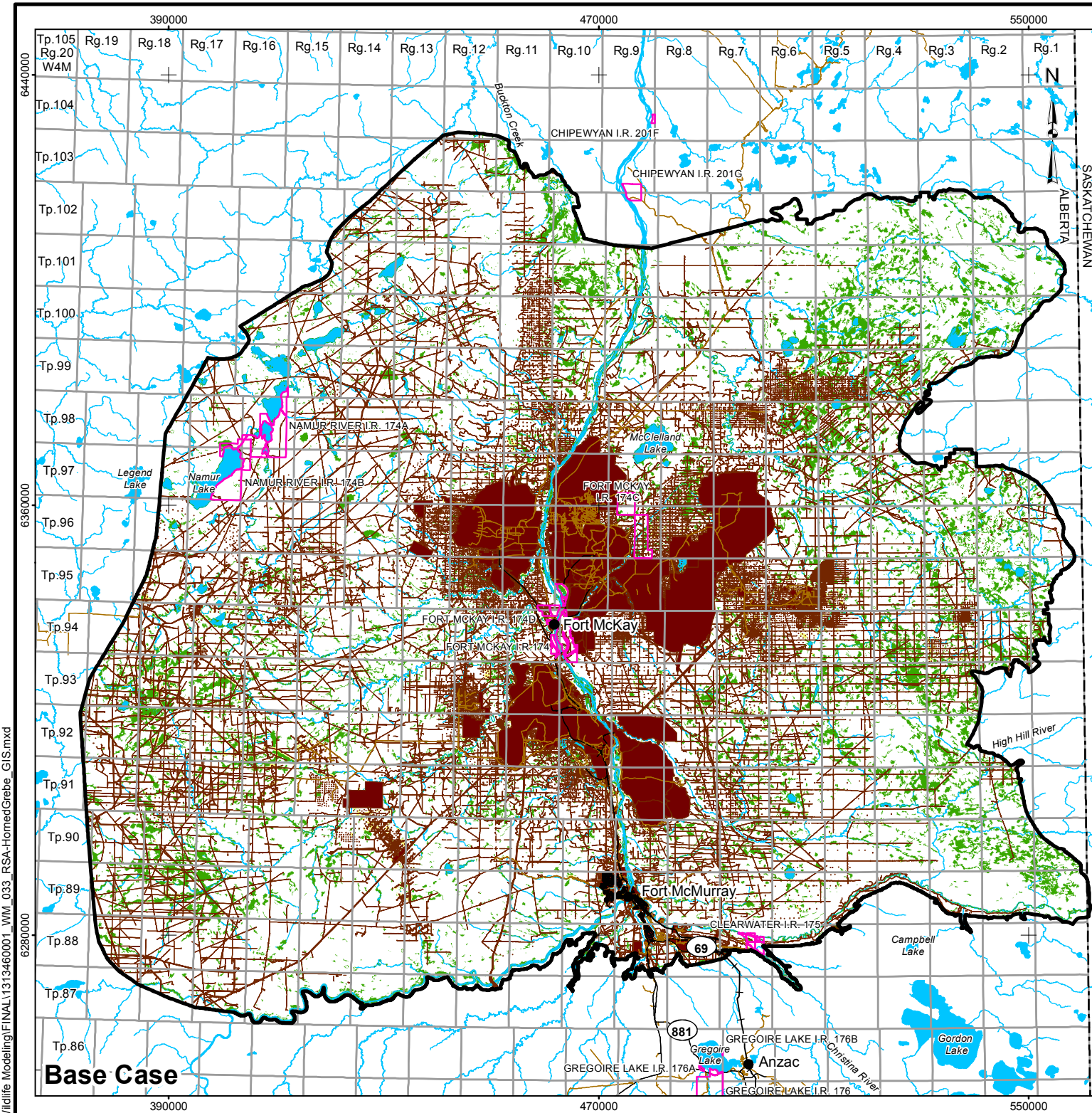
- COMMUNITY
- RAILWAY
- WATERCOURSE
- INDIAN RESERVE
- PROVINCIAL BOUNDARY
- TERRESTRIAL RESOURCES REGIONAL STUDY AREA
- OPEN WATER
- DISTURBED**
- EXISTING AND APPROVED URBAN AND INDUSTRIAL DISTURBANCE
- EXISTING AND APPROVED URBAN AND INDUSTRIAL LINEAR DISTURBANCE
- HABITAT SUITABILITY**
- HIGH
- MODERATE
- NIL



REFERENCE

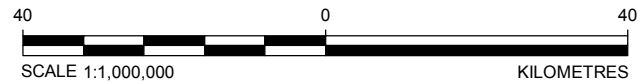
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PROJECT					
PIERRE RIVER MINE PROJECT					
TITLE					
HORNED GREBE PRE-INDUSTRIAL CASE HABITAT SUITABILITY IN THE REGIONAL STUDY AREA					
<p>Shell Canada Limited</p>	PROJECT	PROJECT NO.	FILE No.		
	DESIGN	BS	26 Apr 2013	SCALE AS SHOWN	REV. 0
	GIS	SB	26 Jun 2013	FIGURE: 32	
	CHECK	CY	28 May 2013		
REVIEW	MGJ	28 May 2013			



LEGEND

● COMMUNITY	DISTURBED
— PAVED ROAD	■ EXISTING AND APPROVED URBAN AND INDUSTRIAL DISTURBANCE
— UNPAVED ROAD	— EXISTING AND APPROVED URBAN AND INDUSTRIAL LINEAR DISTURBANCE
+ RAILWAY	HABITAT SUITABILITY
□ INDIAN RESERVE	■ HIGH
- - - PROVINCIAL BOUNDARY	■ MODERATE
□ TERRESTRIAL RESOURCES	□ NIL
□ REGIONAL STUDY AREA	
■ OPEN WATER	

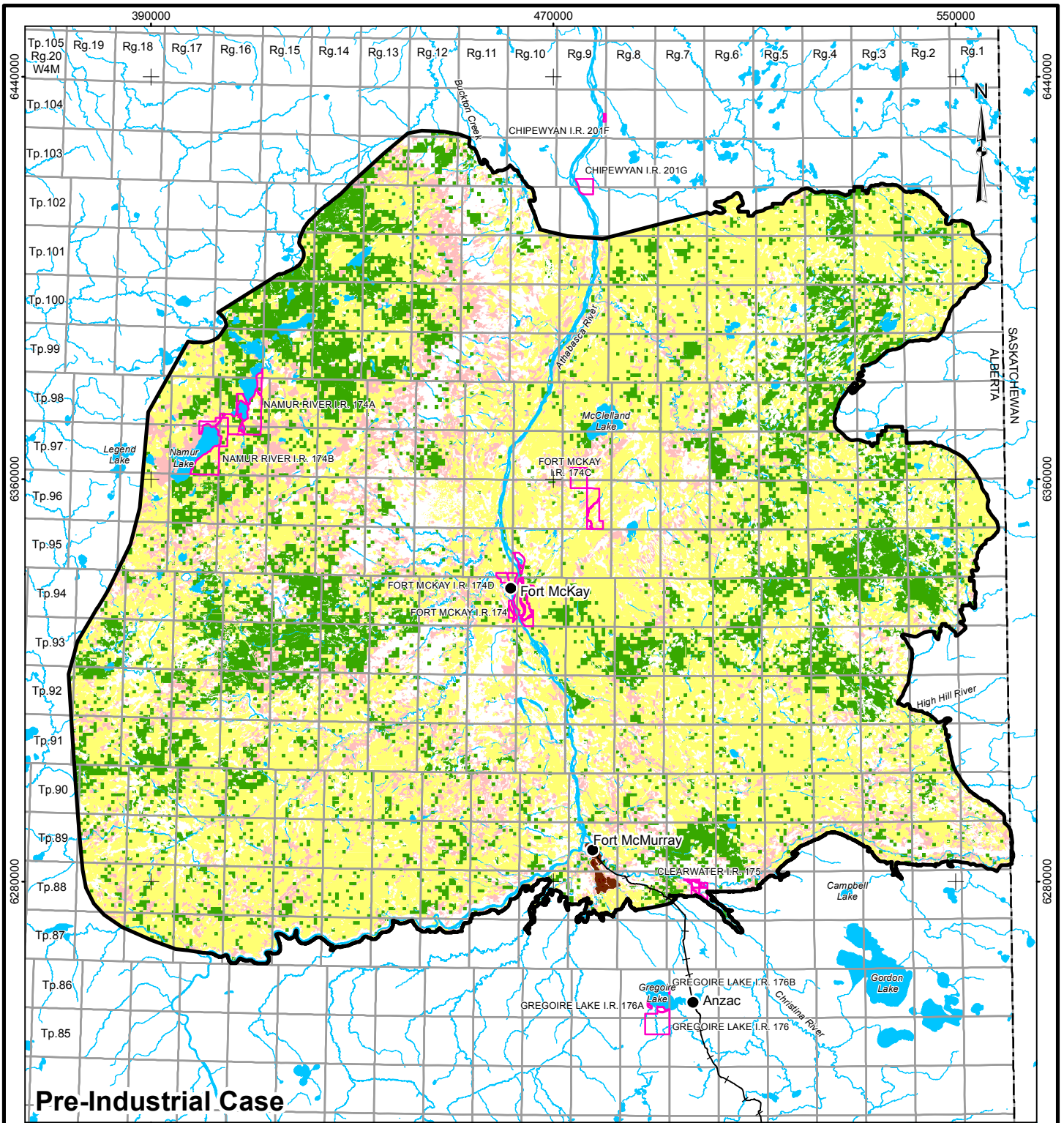


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 ALBERTA DIGITAL BASE DATA OBTAINED FROM ALTALIS LTD.
 © GOVERNMENT OF ALBERTA 2013. PROVINCIAL BOUNDARY OBTAINED FROM IHS ENERGY INC.
 DATUM: NAD83 PROJECTION: UTM ZONE 12N

PROJECT				
PIERRE RIVER MINE PROJECT				
TITLE				
HORNED GREBE HABITAT SUITABILITY IN THE REGIONAL STUDY AREA				
	PROJECT	PROJECT NO.	FILE No.	
	DESIGN	BS	26 Apr 2013	SCALE AS SHOWN
	GIS	SB	26 Jun 2013	REV. 0
	CHECK	CY	28 May 2013	FIGURE: 33
REVIEW	MGJ	28 May 2013		

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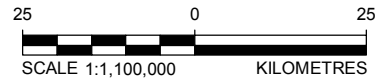
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Pre-Industrial Case

LEGEND

- COMMUNITY
- RAILWAY
- WATERCOURSE
- INDIAN RESERVE
- PROVINCIAL BOUNDARY
- TERRESTRIAL RESOURCES REGIONAL STUDY AREA
- OPEN WATER
- DISTURBED**
- EXISTING AND APPROVED URBAN AND INDUSTRIAL DISTURBANCE
- EXISTING AND APPROVED URBAN AND INDUSTRIAL LINEAR DISTURBANCE
- HABITAT SUITABILITY**
- HIGH
- MODERATE
- LOW
- NIL

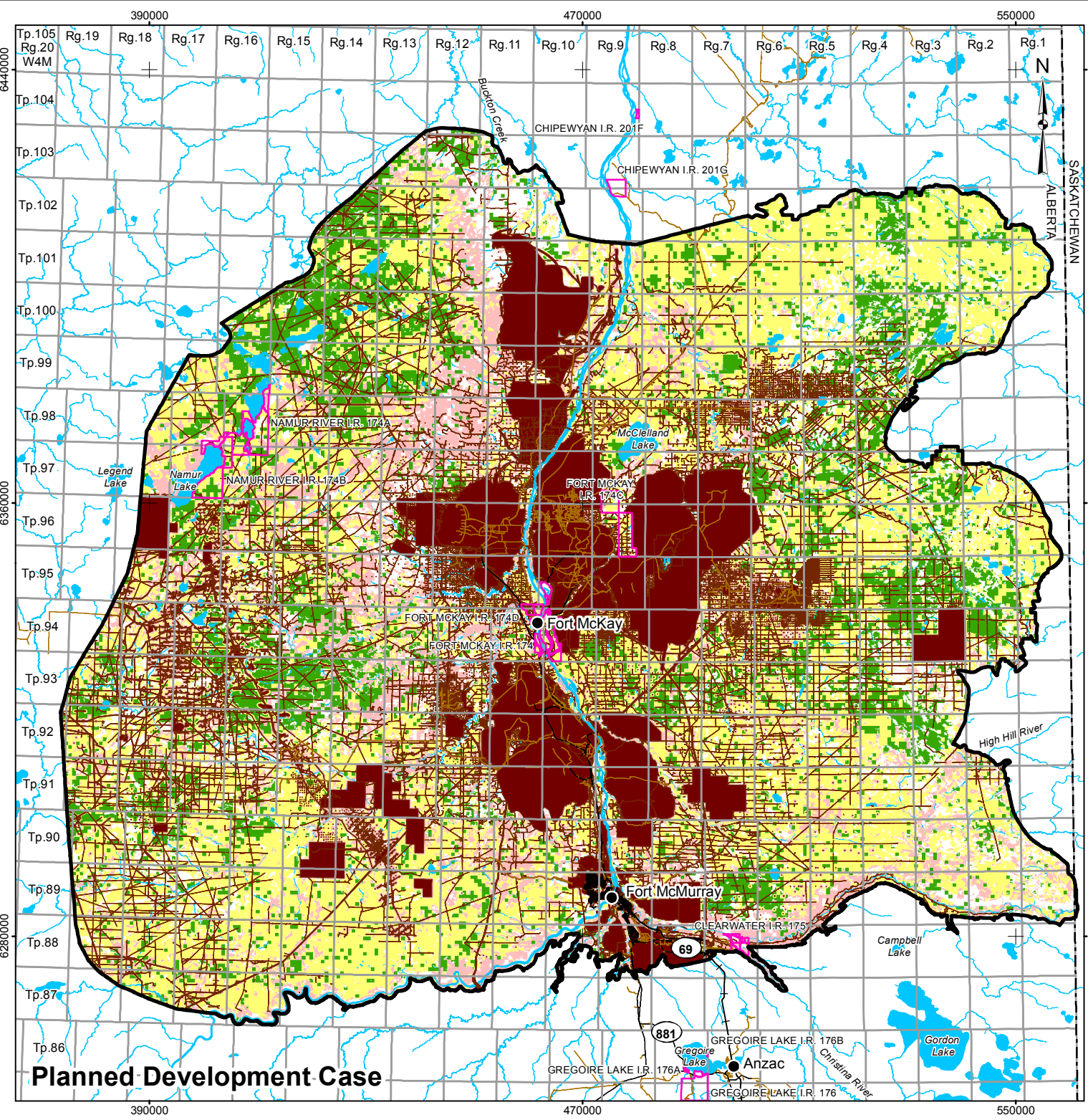
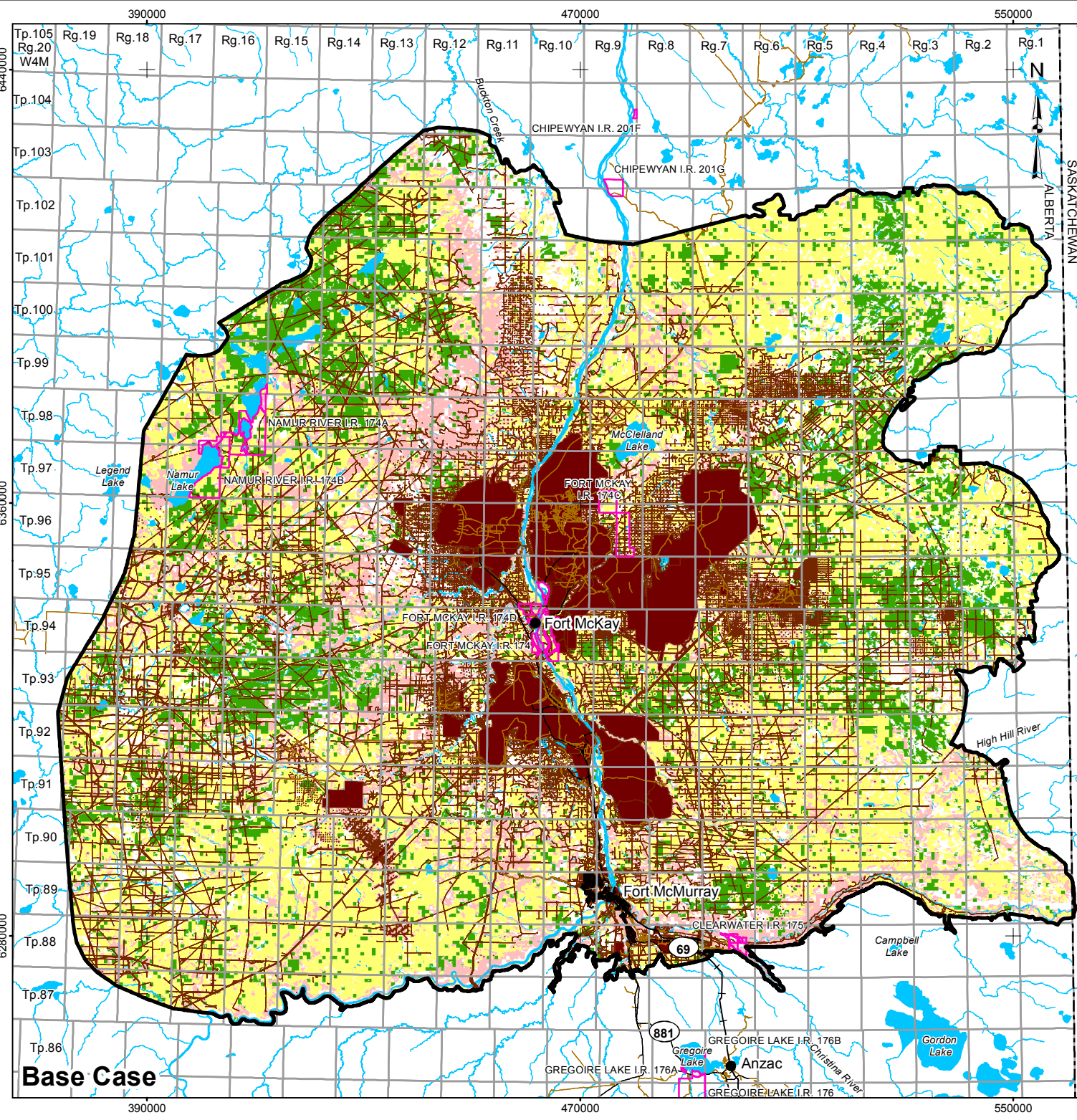


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ALBERTA DIGITAL BASE DATA OBTAINED FROM ALTALIS LTD. © GOVERNMENT OF ALBERTA 2013. PROVINCIAL BOUNDARY OBTAINED FROM IHS ENERGY INC. DATUM: NAD83 PROJECTION: UTM ZONE 12N

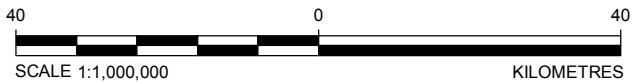
PROJECT					
PIERRE RIVER MINE PROJECT					
TITLE					
OLIVE-SIDED FLYCATCHER PRE-INDUSTRIAL CASE HABITAT SUITABILITY IN THE REGIONAL STUDY AREA					
<p>Shell Canada Limited</p>	PROJECT	PROJECT NO.	FILE No.		
	DESIGN	BS	26 Apr 2013	SCALE AS SHOWN	REV. 0
	GIS	SB	26 Jun 2013	FIGURE: 34	
	CHECK	CY	28 May 2013		
REVIEW	MGJ	28 May 2013			

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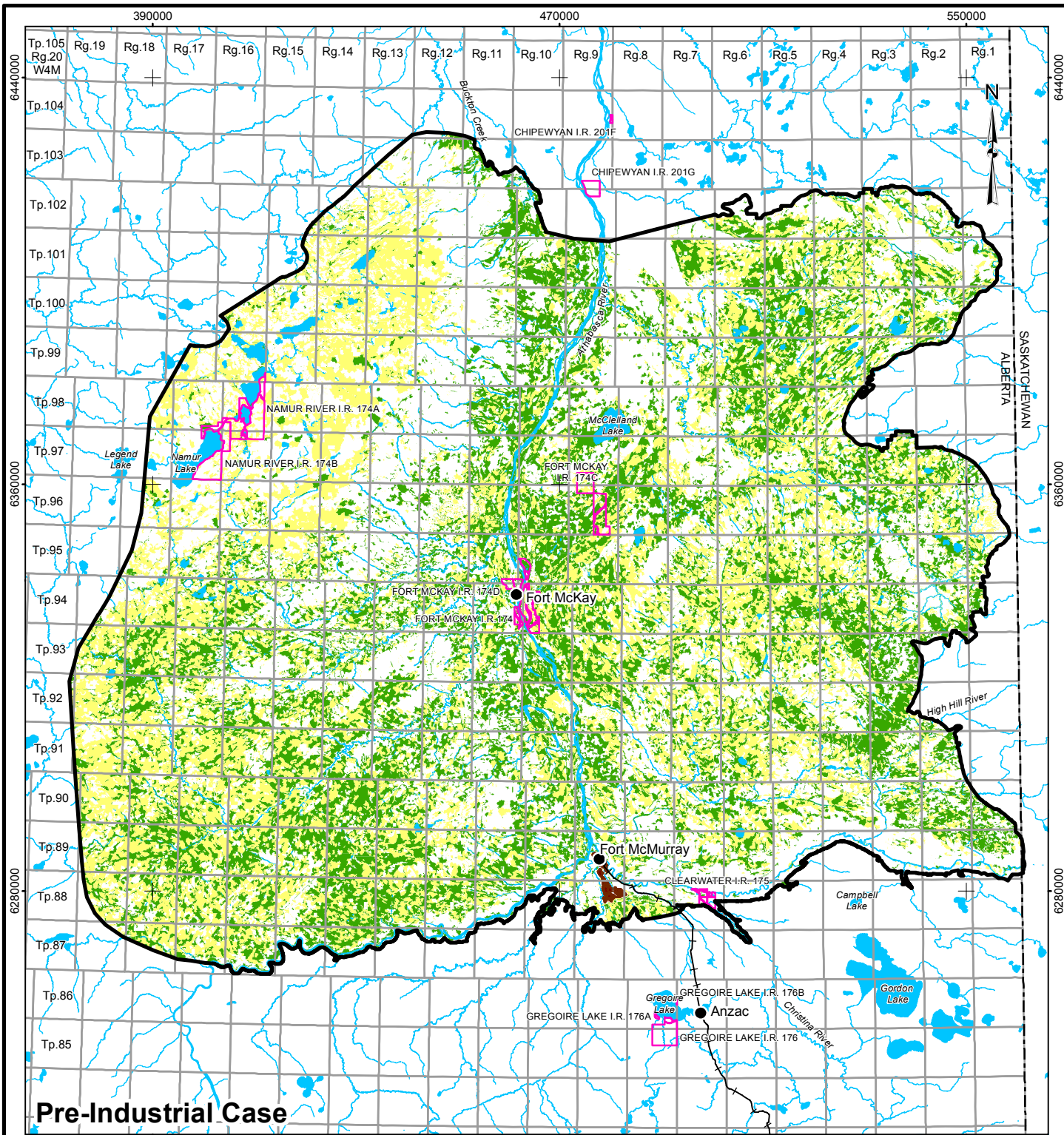
LEGEND

● COMMUNITY	DISTURBED
— PAVED ROAD	■ EXISTING AND APPROVED URBAN AND INDUSTRIAL DISTURBANCE
— UNPAVED ROAD	— EXISTING AND APPROVED URBAN AND INDUSTRIAL LINEAR DISTURBANCE
+ RAILWAY	
□ INDIAN RESERVE	HABITAT SUITABILITY
- - - PROVINCIAL BOUNDARY	■ HIGH
▭ TERRESTRIAL RESOURCES	■ MODERATE
▭ REGIONAL STUDY AREA	■ LOW
■ OPEN WATER	■ NIL



REFERENCE
 ALBERTA DIGITAL BASE DATA OBTAINED FROM ALTALIS LTD.
 © GOVERNMENT OF ALBERTA 2013. PROVINCIAL BOUNDARY OBTAINED FROM IHS ENERGY INC.
 DATUM: NAD83 PROJECTION: UTM ZONE 12N

PROJECT				
PIERRE RIVER MINE PROJECT				
TITLE				
OLIVE-SIDED FLYCATCHER HABITAT SUITABILITY IN THE REGIONAL STUDY AREA				
 Shell Canada Limited	PROJECT	PROJECT NO.	FILE No.	
	DESIGN	BS	26 Apr 2013	SCALE AS SHOWN
	GIS	SB	26 Jun 2013	REV. 0
	CHECK	CY	28 May 2013	
	REVIEW	MGJ	28 May 2013	FIGURE: 35



Pre-Industrial Case

LEGEND

- | | |
|---|---|
| ● COMMUNITY | DISTURBED |
| — RAILWAY | EXISTING AND APPROVED URBAN AND INDUSTRIAL DISTURBANCE |
| — WATERCOURSE | EXISTING AND APPROVED URBAN AND INDUSTRIAL LINEAR DISTURBANCE |
| □ INDIAN RESERVE | HABITAT SUITABILITY |
| □ PROVINCIAL BOUNDARY | HIGH |
| □ TERRESTRIAL RESOURCES REGIONAL STUDY AREA | MODERATE |
| □ OPEN WATER | LOW |
| | NIL |

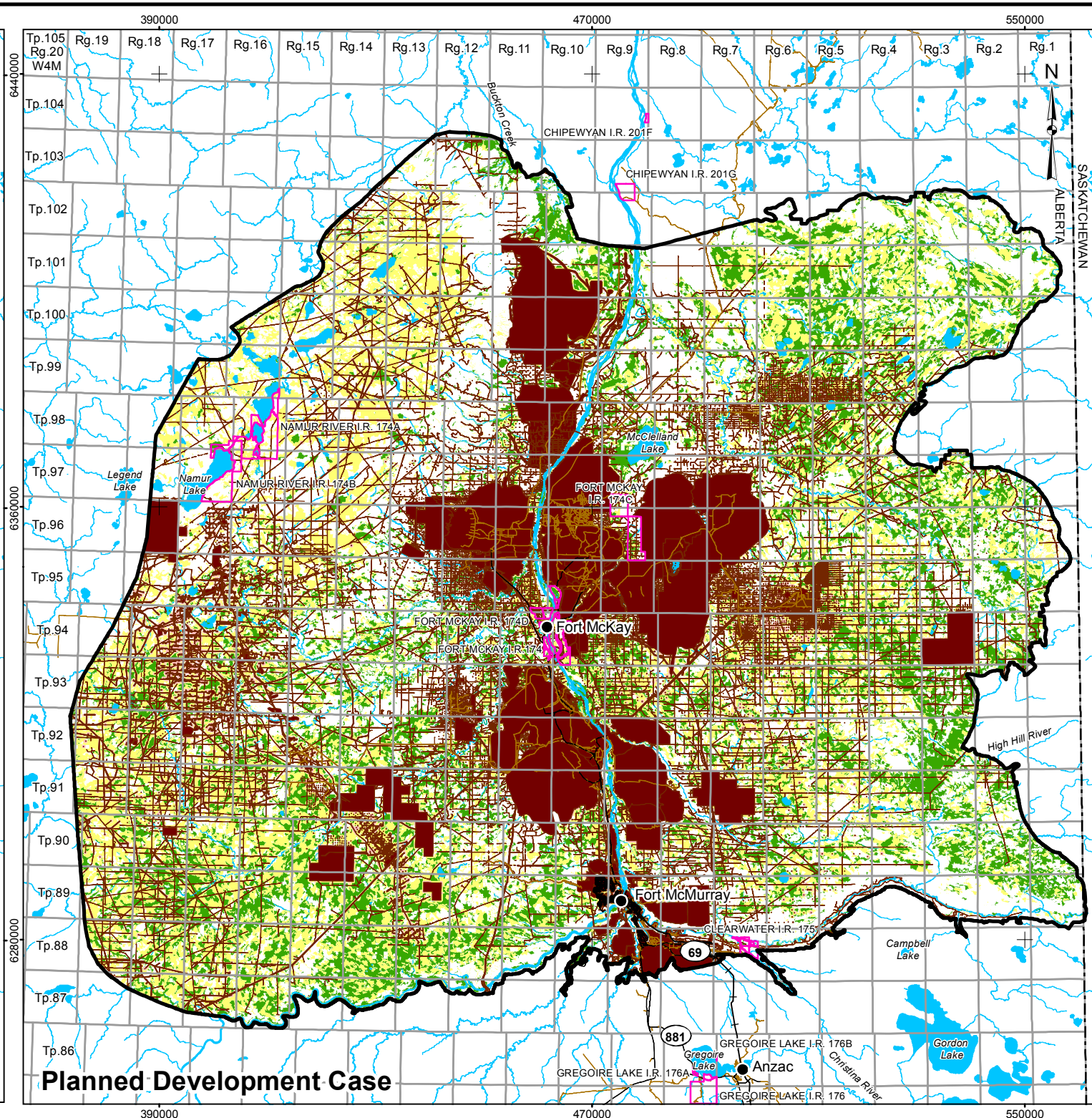
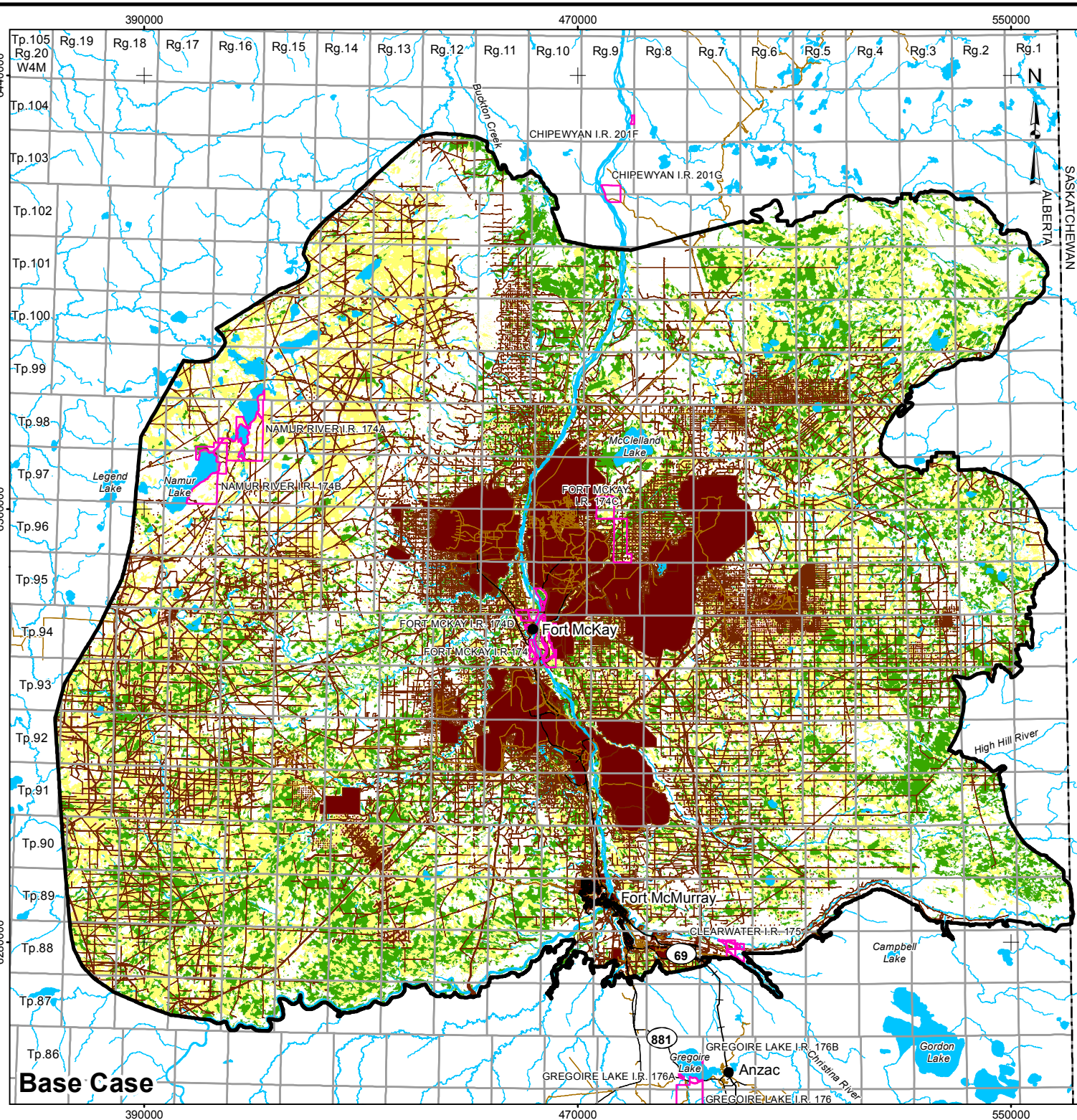


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ALBERTA DIGITAL BASE DATA OBTAINED FROM ALTALIS LTD. © GOVERNMENT OF ALBERTA 2013. PROVINCIAL BOUNDARY OBTAINED FROM IHS ENERGY INC. DATUM: NAD83 PROJECTION: UTM ZONE 12N

PROJECT				
PIERRE RIVER MINE PROJECT				
TITLE				
RUSTY BLACKBIRD PRE-INDUSTRIAL CASE HABITAT SUITABILITY IN THE REGIONAL STUDY AREA				
 Shell Canada Limited	PROJECT	PROJECT NO.	FILE No.	
	DESIGN	BS	26 Apr 2013	SCALE AS SHOWN
	GIS	SB	26 Jun 2013	REV. 0
	CHECK	CY	28 May 2013	FIGURE: 36
REVIEW	MGJ	28 May 2013		

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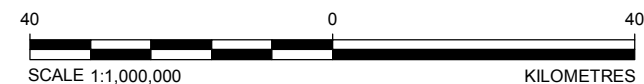
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- PAVED ROAD
- UNPAVED ROAD
- RAILWAY
- WATERCOURSE
- INDIAN RESERVE
- PROVINCIAL BOUNDARY
- TERRESTRIAL RESOURCES REGIONAL STUDY AREA
- OPEN WATER

DISTURBED

- EXISTING AND APPROVED URBAN AND INDUSTRIAL DISTURBANCE
- EXISTING AND APPROVED URBAN AND INDUSTRIAL LINEAR DISTURBANCE

HABITAT SUITABILITY


- HIGH
- MODERATE
- LOW
- NIL



REFERENCE
 ALBERTA DIGITAL BASE DATA OBTAINED FROM ALTALIS LTD.
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 DATUM: NAD83 PROJECTION: UTM ZONE 12N

PROJECT: PIERRE RIVER MINE PROJECT

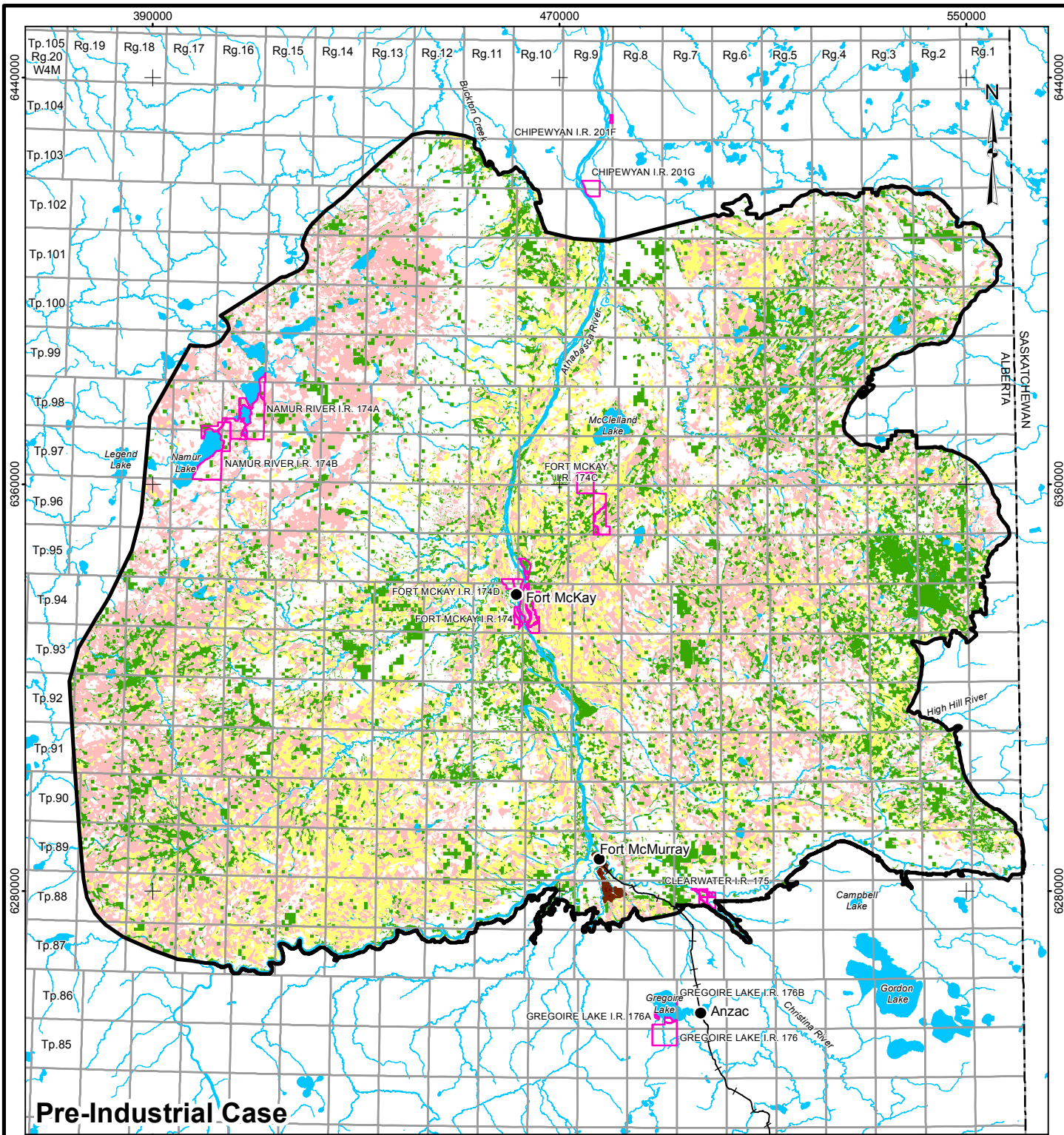
TITLE: RUSTY BLACKBIRD HABITAT SUITABILITY IN THE REGIONAL STUDY AREA



PROJECT	PROJECT NO.	FILE No.
DESIGN	BS 26 Apr 2013	SCALE AS SHOWN
GIS	SB 26 Jun 2013	REV. 0
CHECK	CY 27 May 2013	
REVIEW	MGJ 27 May 2013	

FIGURE: 37

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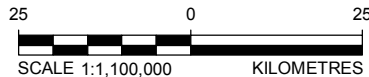
Pre-Industrial Case

LEGEND

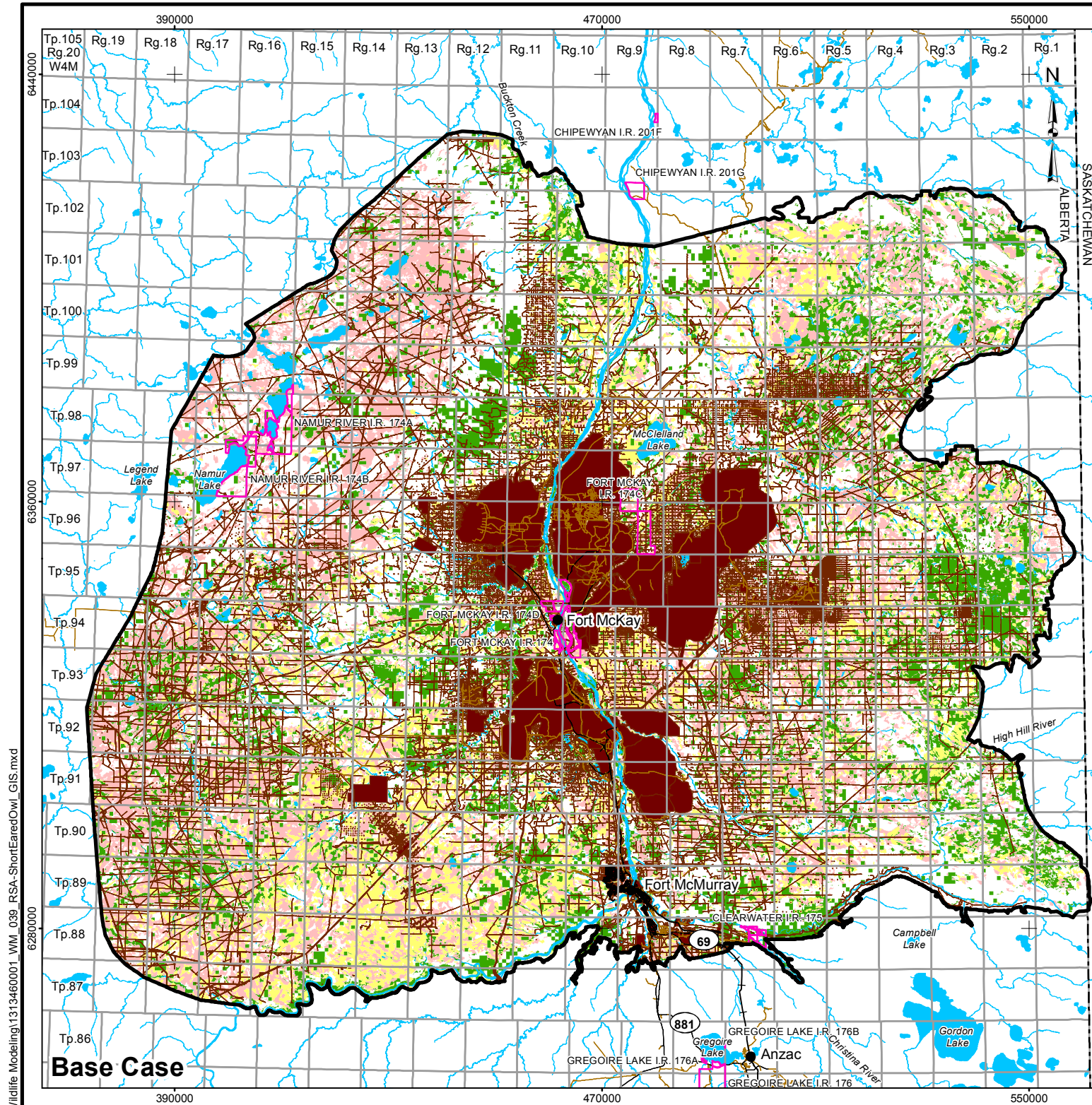
- COMMUNITY
- RAILWAY
- WATERCOURSE
- INDIAN RESERVE
- PROVINCIAL BOUNDARY
- TERRESTRIAL RESOURCES REGIONAL STUDY AREA
- OPEN WATER
- DISTURBED**
- EXISTING AND APPROVED URBAN AND INDUSTRIAL DISTURBANCE
- EXISTING AND APPROVED URBAN AND INDUSTRIAL LINEAR DISTURBANCE
- HABITAT SUITABILITY**
- HIGH
- MODERATE
- LOW
- NIL

REFERENCE

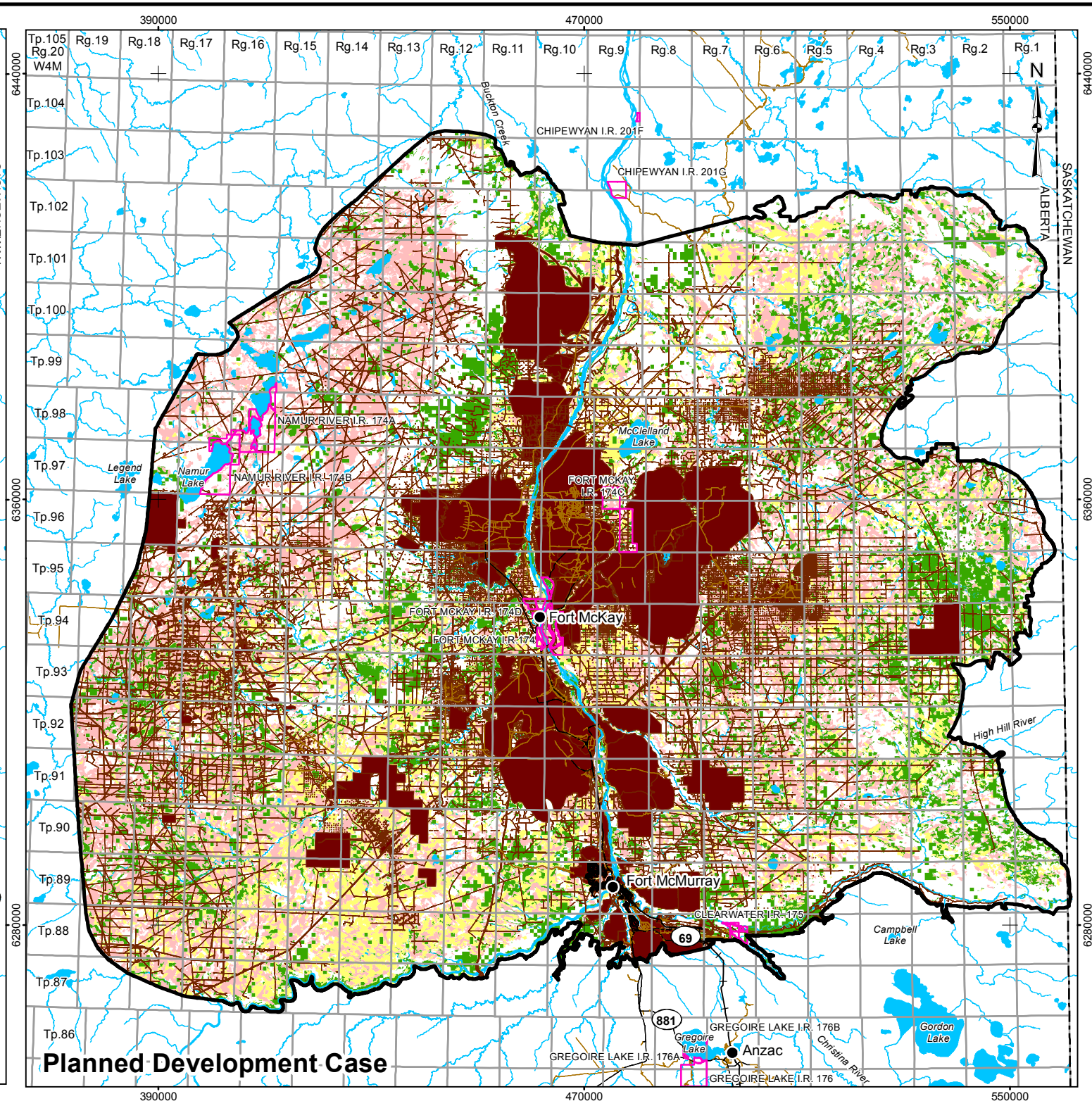
ALBERTA DIGITAL BASE DATA OBTAINED FROM ALTALIS LTD. © GOVERNMENT OF ALBERTA 2013. PROVINCIAL BOUNDARY OBTAINED FROM IHS ENERGY INC. DATUM: NAD83 PROJECTION: UTM ZONE 12N



PROJECT					
PIERRE RIVER MINE PROJECT					
TITLE					
SHORT-EARED OWL PRE-INDUSTRIAL CASE HABITAT SUITABILITY IN THE REGIONAL STUDY AREA					
<p>Shell Canada Limited</p>	PROJECT	PROJECT NO.	FILE No.		
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	GIS	SB	26 Jun 2013	FIGURE: 38	
	CHECK	CY	27 May 2013		
REVIEW	MGJ	27 May 2013			

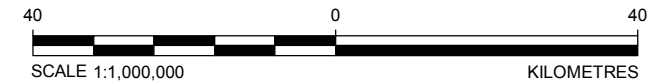


Base Case




Planned Development Case

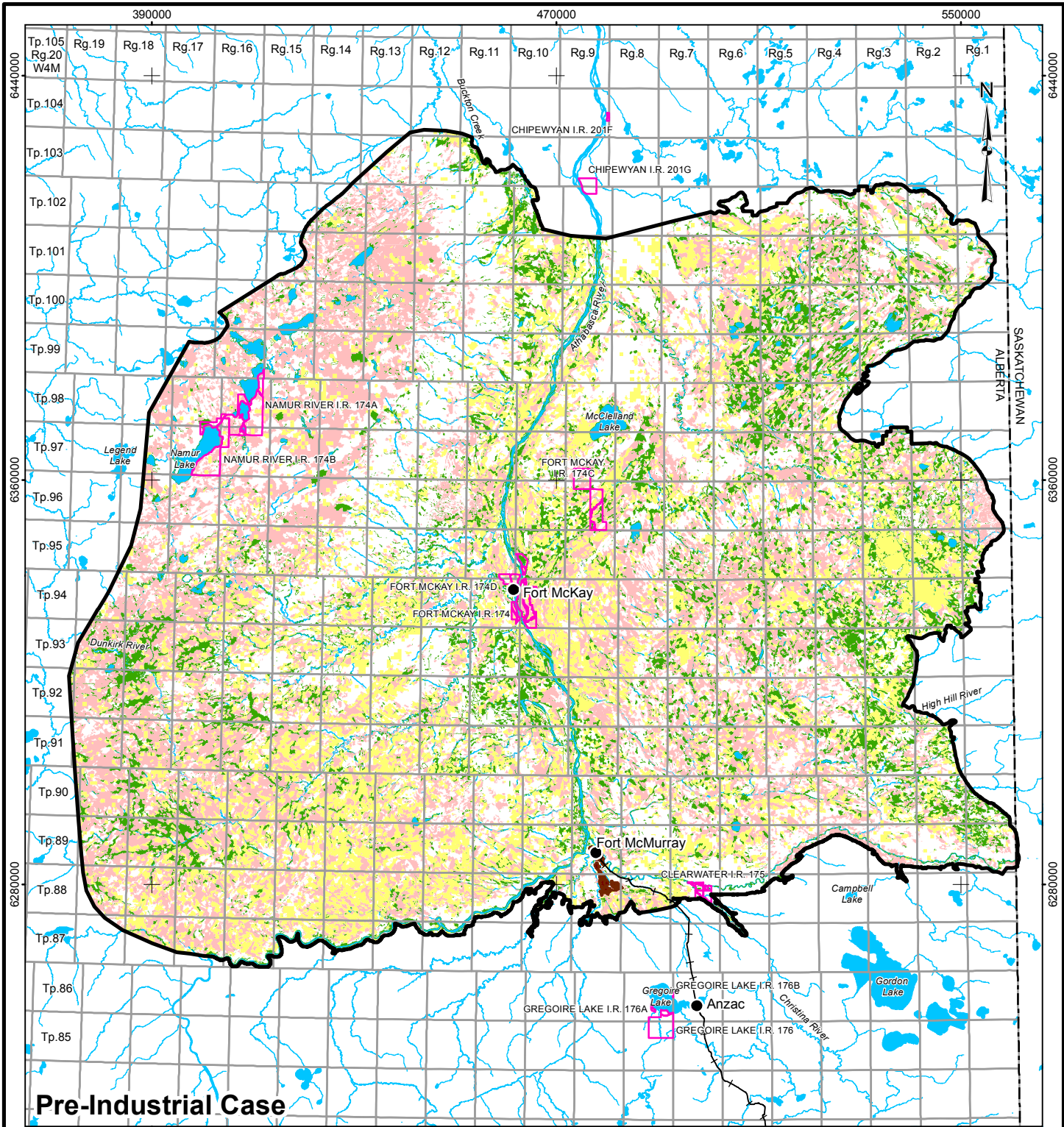
- LEGEND**
- COMMUNITY
 - PAVED ROAD
 - UNPAVED ROAD
 - RAILWAY
 - WATERCOURSE
 - INDIAN RESERVE
 - PROVINCIAL BOUNDARY
 - TERRESTRIAL RESOURCES REGIONAL STUDY AREA
 - OPEN WATER
- DISTURBED**
- EXISTING AND APPROVED URBAN AND INDUSTRIAL DISTURBANCE
 - EXISTING AND APPROVED URBAN AND INDUSTRIAL LINEAR DISTURBANCE
- HABITAT SUITABILITY**
- HIGH
 - MODERATE
 - LOW
 - NIL



REFERENCE
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 DATUM: NAD83 PROJECTION: UTM ZONE 12N

PROJECT			
PIERRE RIVER MINE PROJECT			
TITLE			
SHORT-EARED OWL HABITAT SUITABILITY IN THE REGIONAL STUDY AREA			
 Shell Canada Limited	PROJECT	13-1346-0001	FILE No.
	DESIGN	BS	26 Apr 2013
	GIS	SB	26 Jun 2013
	CHECK	CY	28 May 2013
	REVIEW	MGJ	28 May 2013
			SCALE AS SHOWN
			REV. 0
			FIGURE: 39

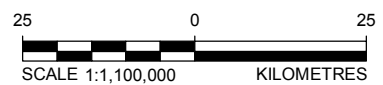
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Pre-Industrial Case


LEGEND

- COMMUNITY
- RAILWAY
- WATERCOURSE
- INDIAN RESERVE
- PROVINCIAL BOUNDARY
- ▭ TERRESTRIAL RESOURCES REGIONAL STUDY AREA
- OPEN WATER
- DISTURBED**
- EXISTING AND APPROVED URBAN AND INDUSTRIAL DISTURBANCE
- EXISTING AND APPROVED URBAN AND INDUSTRIAL LINEAR DISTURBANCE
- HABITAT SUITABILITY**
- HIGH
- MODERATE
- LOW
- NIL

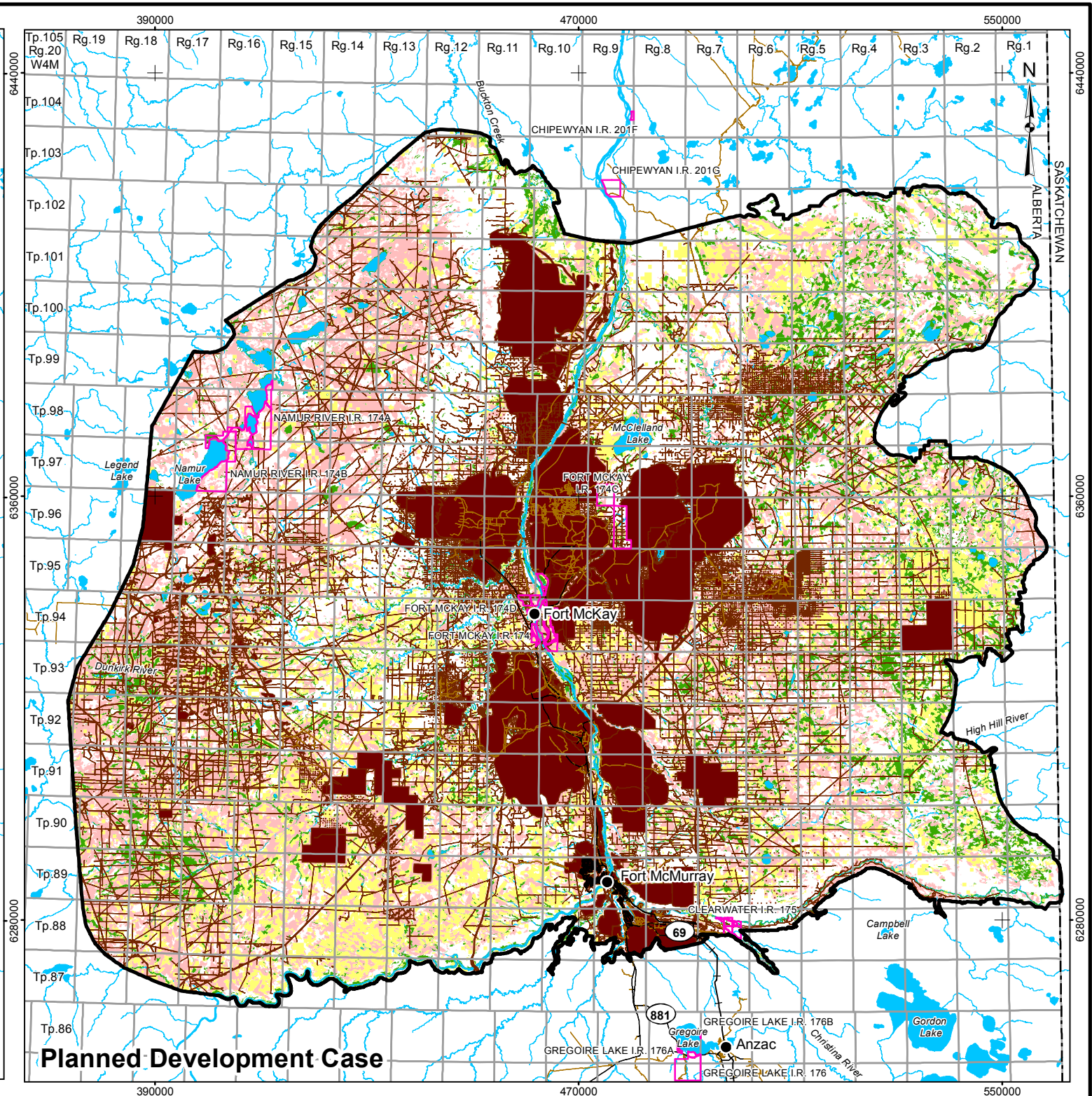
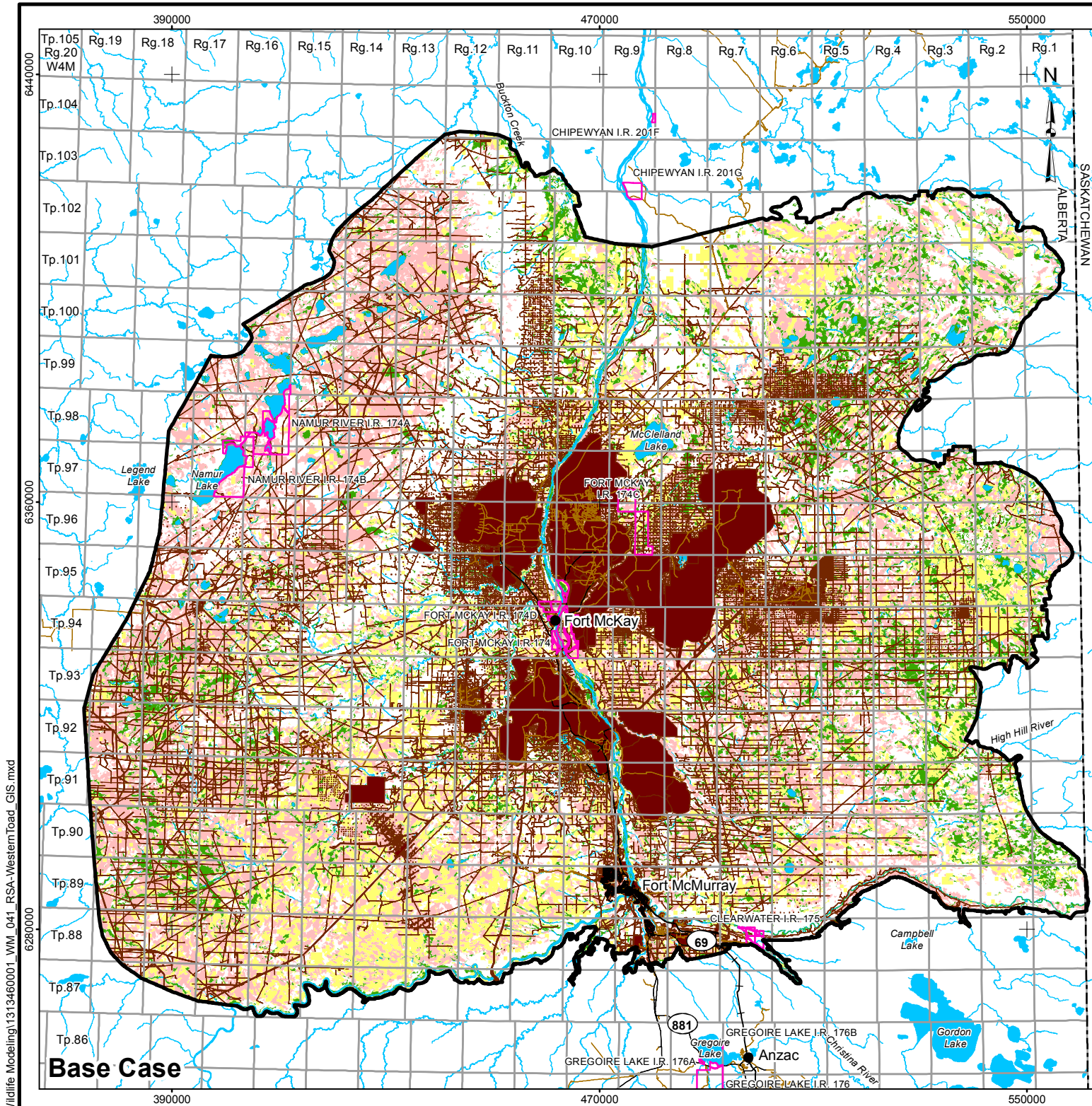


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ALBERTA DIGITAL BASE DATA OBTAINED FROM ALTALIS LTD. © GOVERNMENT OF ALBERTA 2013. PROVINCIAL BOUNDARY OBTAINED FROM IHS ENERGY INC. DATUM: NAD83 PROJECTION: UTM ZONE 12N

<p>PROJECT</p> <p style="text-align: center;">PIERRE RIVER MINE PROJECT</p> <p>TITLE</p> <p style="text-align: center;">WESTERN TOAD PRE-INDUSTRIAL CASE HABITAT SUITABILITY IN THE REGIONAL STUDY AREA</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>PROJECT</td> <td>13-1346-0001</td> <td>FILE No.</td> </tr> <tr> <td>DESIGN</td> <td>BS 26 Apr 2013</td> <td>SCALE AS SHOWN</td> </tr> <tr> <td>GIS</td> <td>SB 26 Jun 2013</td> <td>REV. 0</td> </tr> <tr> <td>CHECK</td> <td>CY 28 May 2013</td> <td rowspan="2" style="text-align: center; vertical-align: middle;">FIGURE: 40</td> </tr> <tr> <td>REVIEW</td> <td>MGJ 28 May 2013</td> </tr> </table>	PROJECT	13-1346-0001	FILE No.	DESIGN	BS 26 Apr 2013	SCALE AS SHOWN	GIS	SB 26 Jun 2013	REV. 0	CHECK	CY 28 May 2013	FIGURE: 40	REVIEW	MGJ 28 May 2013
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DESIGN	BS 26 Apr 2013	SCALE AS SHOWN													
GIS	SB 26 Jun 2013	REV. 0													
CHECK	CY 28 May 2013	FIGURE: 40													
REVIEW	MGJ 28 May 2013														
 <p>Shell Canada Limited</p>															


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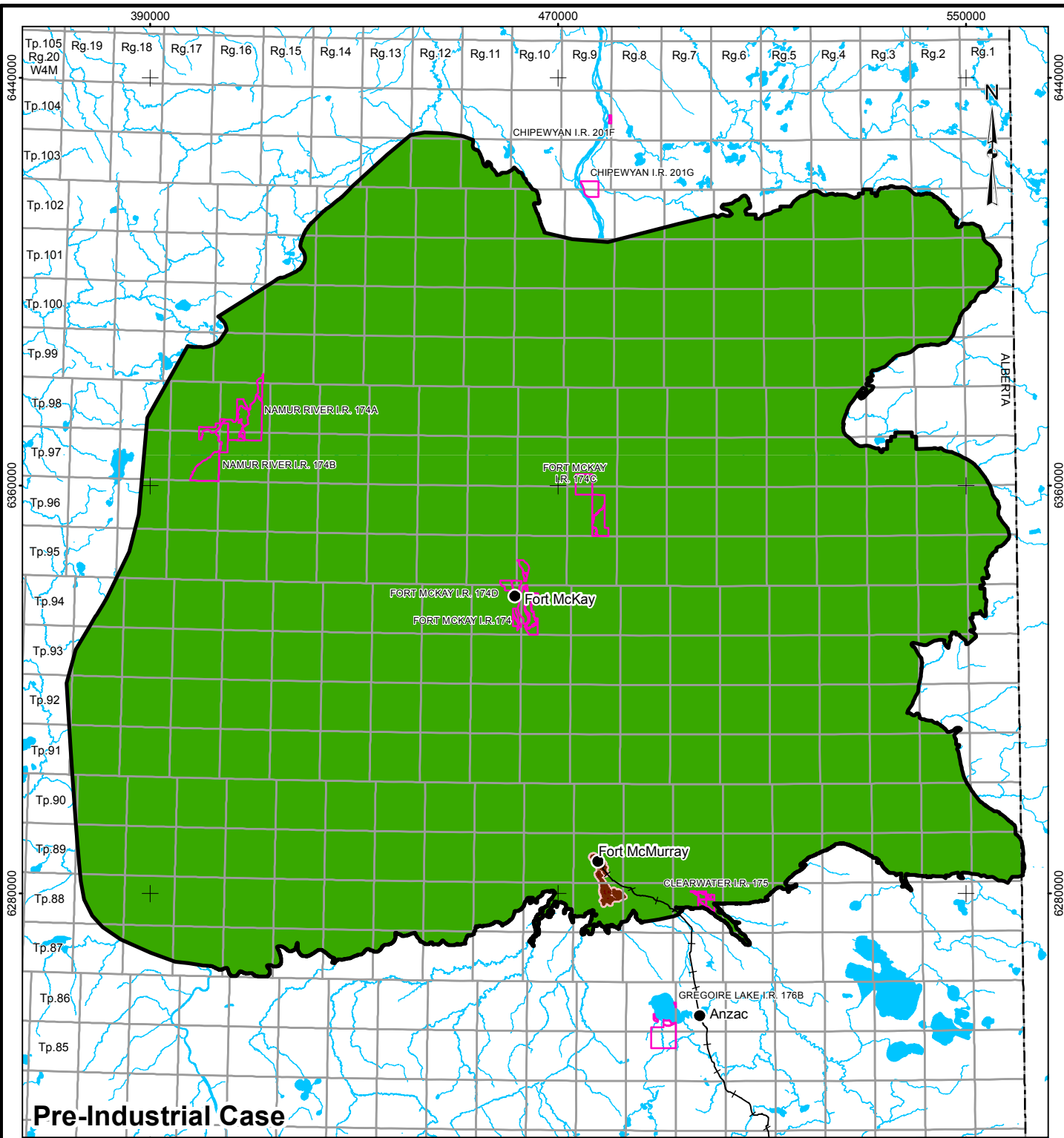


- LEGEND**
- COMMUNITY
 - PAVED ROAD
 - UNPAVED ROAD
 - RAILWAY
 - WATERCOURSE
 - INDIAN RESERVE
 - PROVINCIAL BOUNDARY
 - TERRESTRIAL RESOURCES REGIONAL STUDY AREA
 - OPEN WATER
- DISTURBED**
- EXISTING AND APPROVED URBAN AND INDUSTRIAL DISTURBANCE
 - EXISTING AND APPROVED URBAN AND INDUSTRIAL LINEAR DISTURBANCE
- HABITAT SUITABILITY**
- HIGH
 - MODERATE
 - LOW
 - NIL



REFERENCE
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 DATUM: NAD83 PROJECTION: UTM ZONE 12N

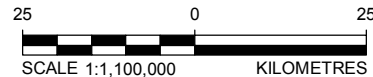
PROJECT			
PIERRE RIVER MINE PROJECT			
TITLE			
WESTERN TOAD HABITAT SUITABILITY IN THE REGIONAL STUDY AREA			
 Shell Canada Limited	PROJECT	13-1346-0001	FILE No.
	DESIGN	BS	26 Apr 2013
	GIS	SB	26 Jun 2013
	CHECK	CY	28 May 2013
	REVIEW	MGJ	28 May 2013
			SCALE AS SHOWN
			REV. 0
FIGURE: 41			



Pre-Industrial Case

LEGEND

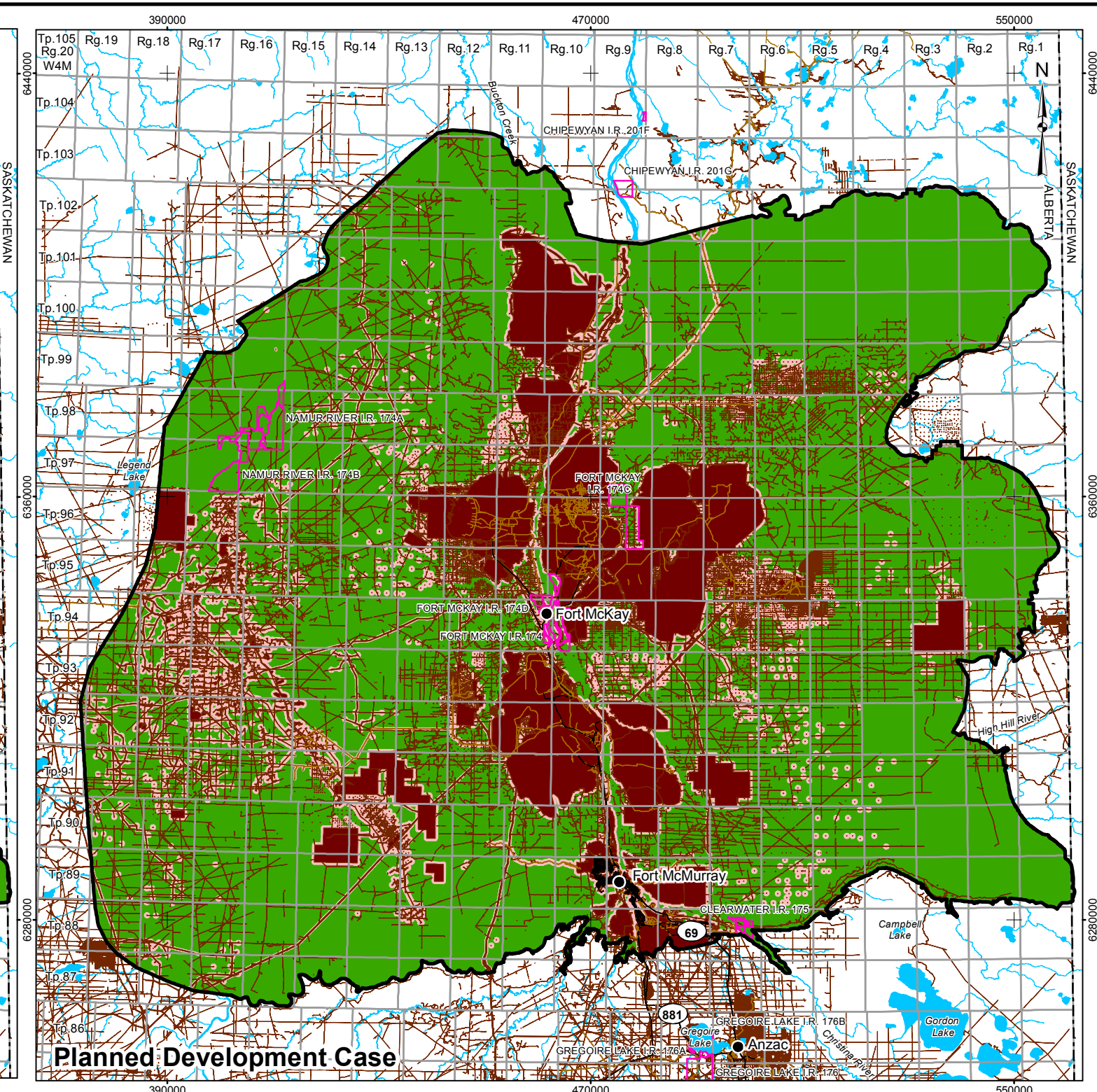
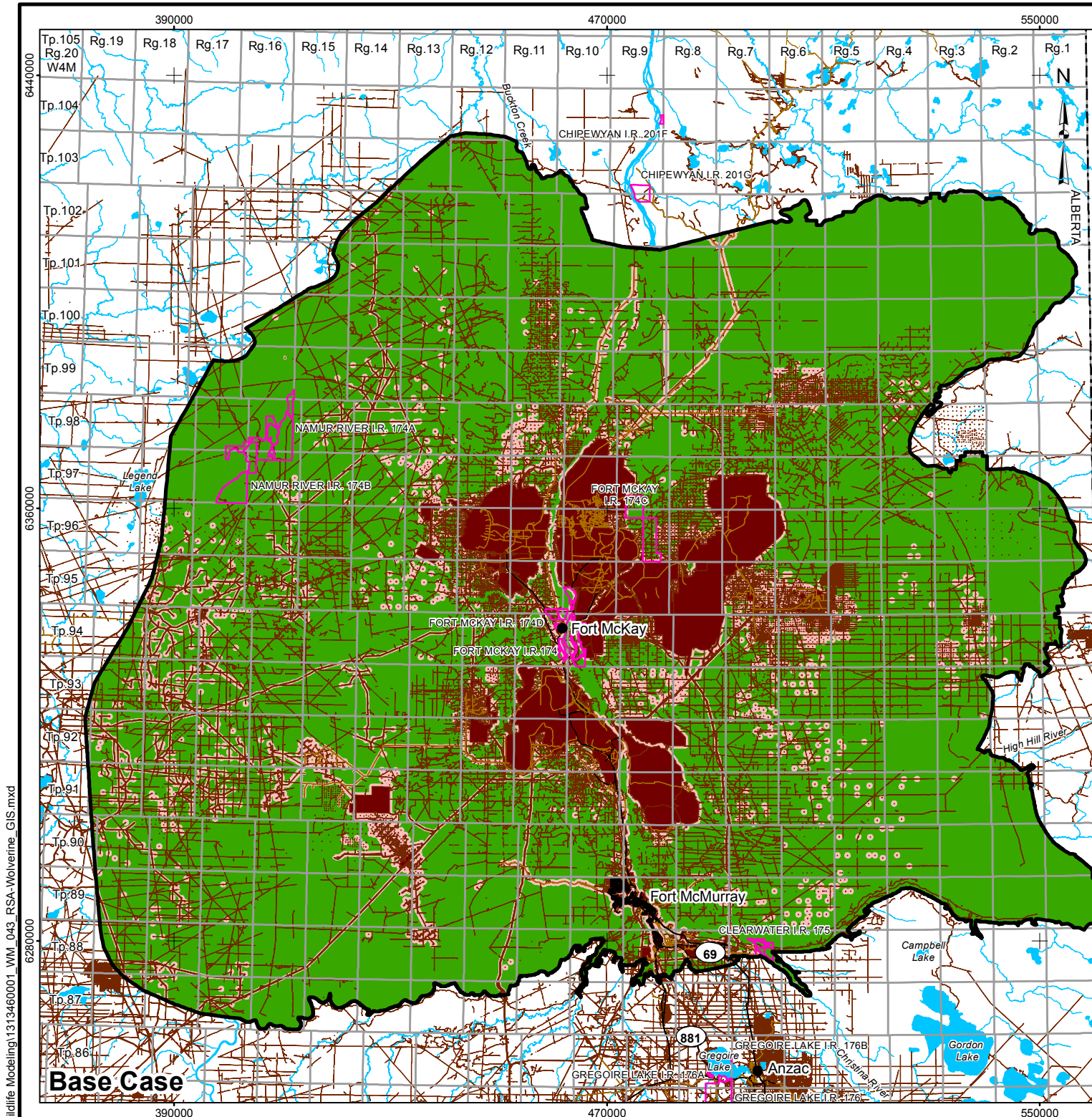
- | | |
|---|---|
| ● COMMUNITY | DISTURBED |
| — RAILWAY | ■ EXISTING AND APPROVED URBAN AND INDUSTRIAL DISTURBANCE |
| — WATERCOURSE | — EXISTING AND APPROVED URBAN AND INDUSTRIAL LINEAR DISTURBANCE |
| ■ OPEN WATER | HABITAT SECURITY |
| □ INDIAN RESERVE | ■ HIGH |
| — PROVINCIAL BOUNDARY | ■ LOW |
| — TERRESTRIAL RESOURCES REGIONAL STUDY AREA | □ NIL |



REFERENCE

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PROJECT				
PIERRE RIVER MINE PROJECT				
TITLE				
WOLVERINE PRE-INDUSTRIAL CASE CORE SECURITY HABITAT IN THE REGIONAL STUDY AREA				
	PROJECT	13-1346-0001	FILE No.	
	DESIGN	BS	26 Apr 2013	SCALE AS SHOWN
	GIS	SB	26 Jun 2013	REV. 0
	CHECK	CY	27 May 2013	FIGURE: 42
REVIEW	MGJ	27 May 2013		



LEGEND

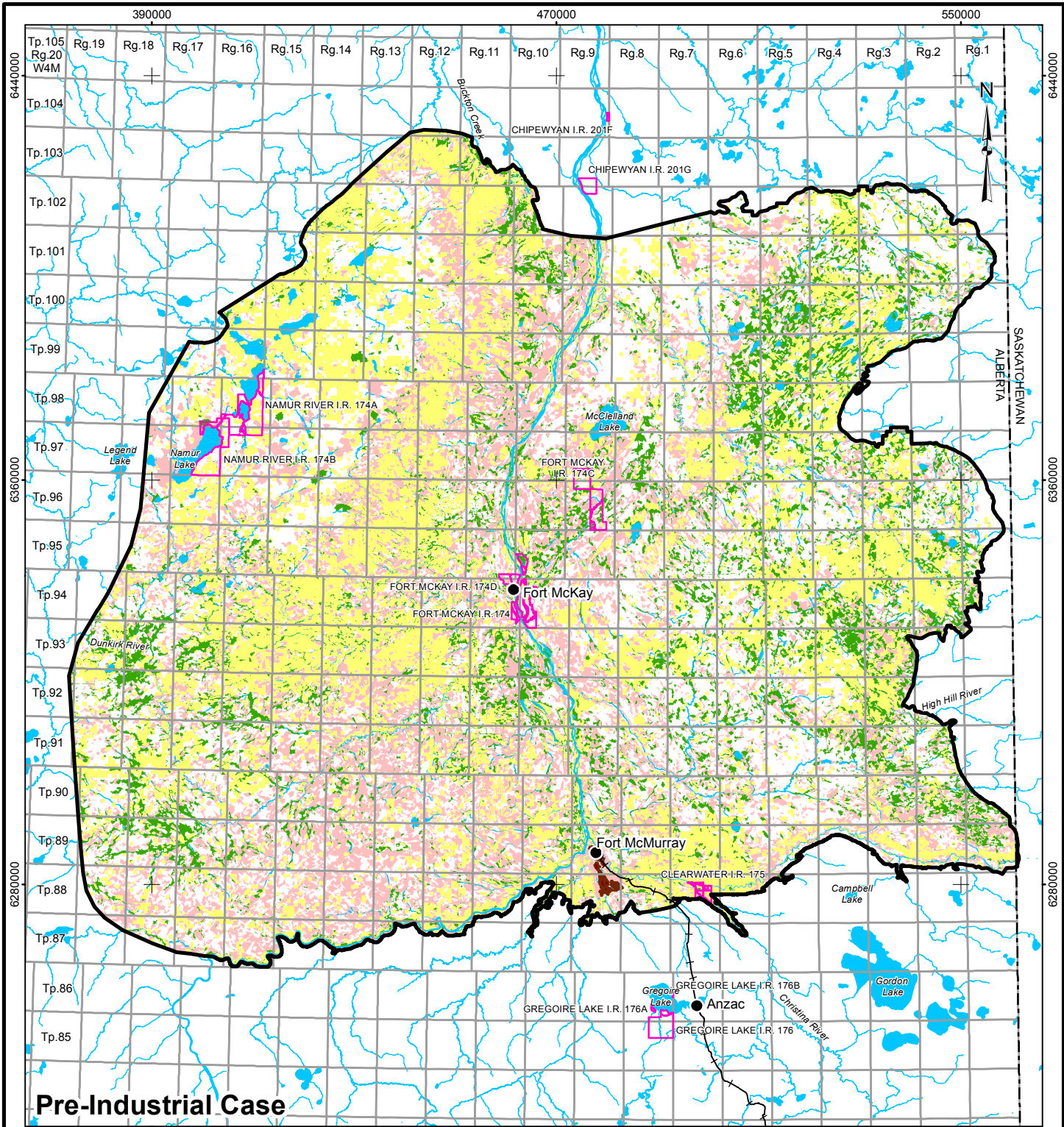
● COMMUNITY	DISTURBED
— PAVED ROAD	■ EXISTING AND APPROVED URBAN AND INDUSTRIAL DISTURBANCE
— UNPAVED ROAD	— EXISTING AND APPROVED URBAN AND INDUSTRIAL LINEAR DISTURBANCE
— RAILWAY	HABITAT SECURITY
— WATERCOURSE	■ HIGH
■ INDIAN RESERVE	■ LOW
— PROVINCIAL BOUNDARY	□ NIL
■ TERRESTRIAL RESOURCES REGIONAL STUDY AREA	
■ OPEN WATER	



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 DATUM: NAD83 PROJECTION: UTM ZONE 12N

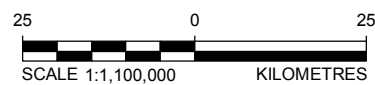
PROJECT			
PIERRE RIVER MINE PROJECT			
TITLE			
WOLVERINE CORE SECURITY HABITAT IN THE REGIONAL STUDY AREA			
	PROJECT	13-1346-0001	FILE No.
	DESIGN	BS	26 Apr 2013
	GIS	SB	26 Jun 2013
	CHECK	CY	28 May 2013
	REVIEW	MGJ	28 May 2013
SCALE AS SHOWN		REV. 0	
FIGURE: 43			

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Pre-Industrial Case

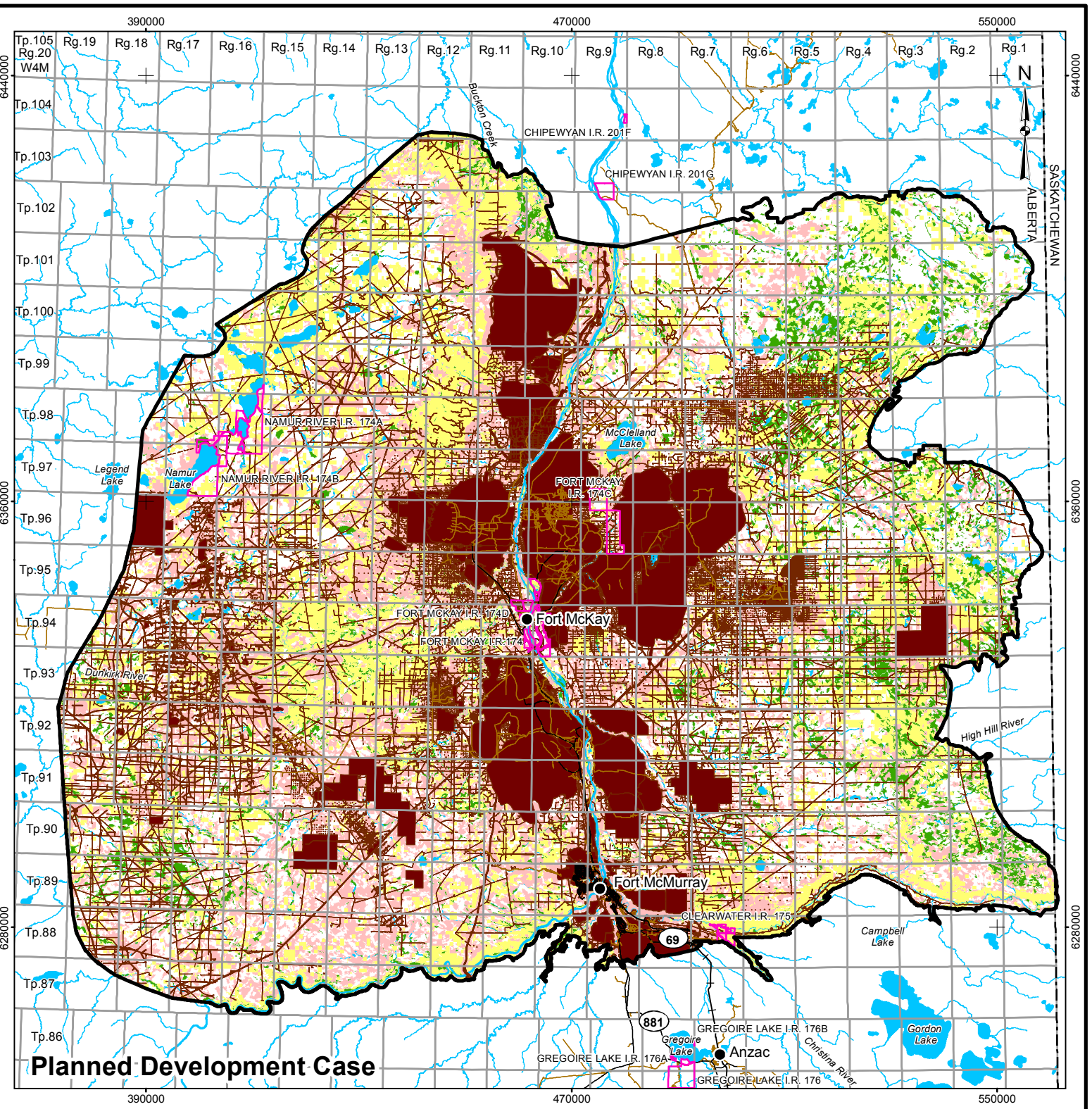
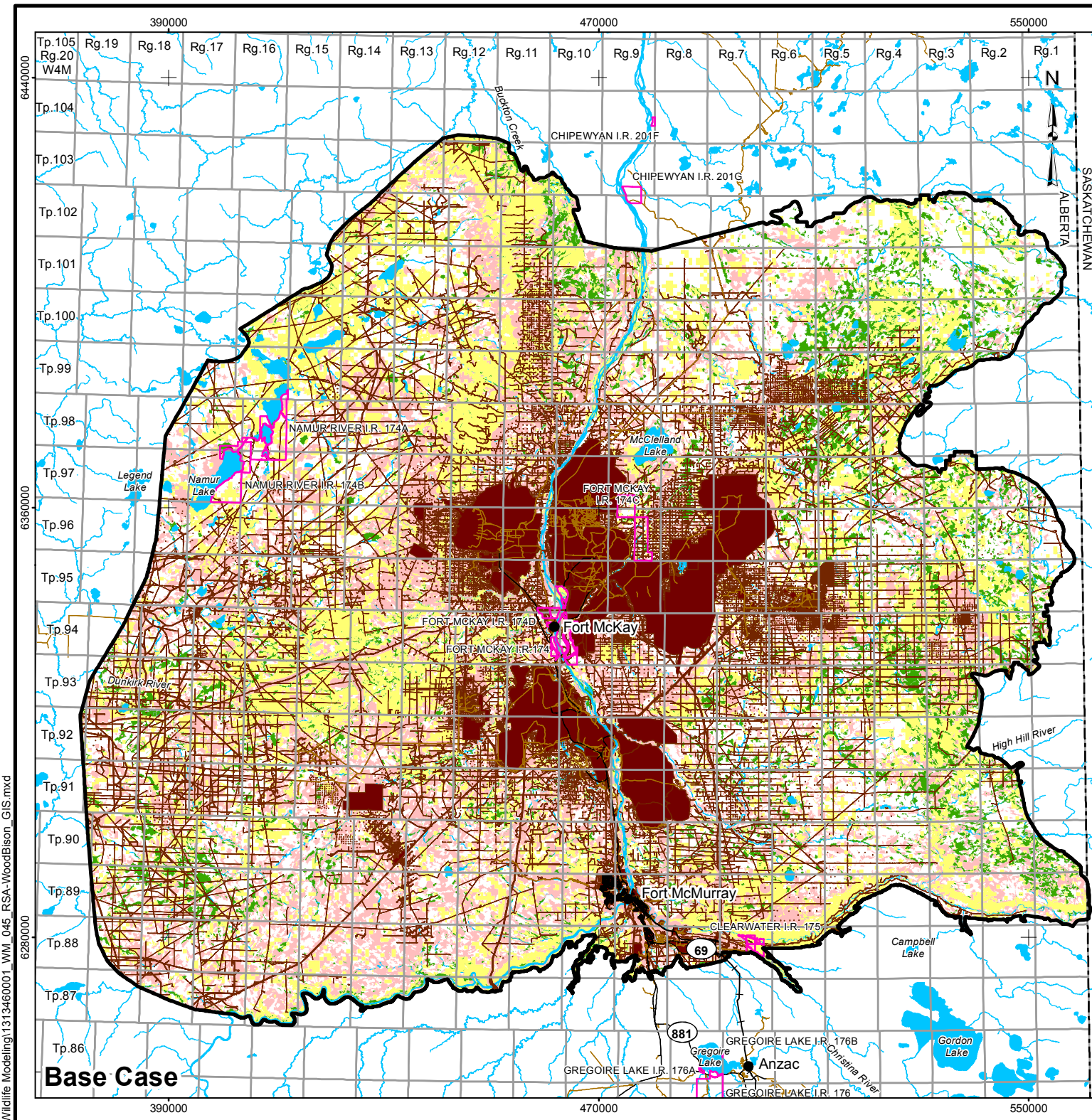
- LEGEND**
- COMMUNITY
 - RAILWAY
 - WATERCOURSE
 - INDIAN RESERVE
 - PROVINCIAL BOUNDARY
 - TERRESTRIAL RESOURCES REGIONAL STUDY AREA
 - OPEN WATER
 - DISTURBED**
 - EXISTING AND APPROVED URBAN AND INDUSTRIAL DISTURBANCE
 - EXISTING AND APPROVED URBAN AND INDUSTRIAL LINEAR DISTURBANCE
 - HABITAT SUITABILITY**
 - HIGH
 - MODERATE
 - LOW
 - NIL



PROJECT				
PIERRE RIVER MINE PROJECT				
TITLE				
WOOD BISON PRE-INDUSTRIAL CASE HABITAT SUITABILITY IN THE REGIONAL STUDY AREA				
 Shell Canada Limited	PROJECT	13-1346-0001	FILE No.	
	DESIGN	BS	26 Apr 2013	SCALE AS SHOWN
	GIS	SB	26 Jun 2013	REV. 0
	CHECK	CY	28 May 2013	FIGURE: 44
REVIEW	MGJ	28 May 2013		

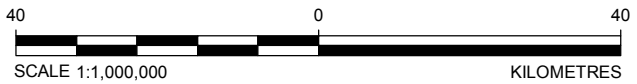
REFERENCE
 ALBERTA DIGITAL BASE DATA OBTAINED FROM ALTALIS LTD. © GOVERNMENT OF ALBERTA 2013. PROVINCIAL BOUNDARY OBTAINED FROM IHS ENERGY INC. DATUM: NAD83 PROJECTION: UTM ZONE 12N

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LEGEND

● COMMUNITY	DISTURBED
— PAVED ROAD	■ EXISTING AND APPROVED URBAN AND INDUSTRIAL DISTURBANCE
— UNPAVED ROAD	— EXISTING AND APPROVED URBAN AND INDUSTRIAL LINEAR DISTURBANCE
— RAILWAY	
— WATERCOURSE	HABITAT SUITABILITY
□ INDIAN RESERVE	■ HIGH
□ PROVINCIAL BOUNDARY	■ MODERATE
□ TERRESTRIAL RESOURCES REGIONAL STUDY AREA	■ LOW
■ OPEN WATER	□ NIL

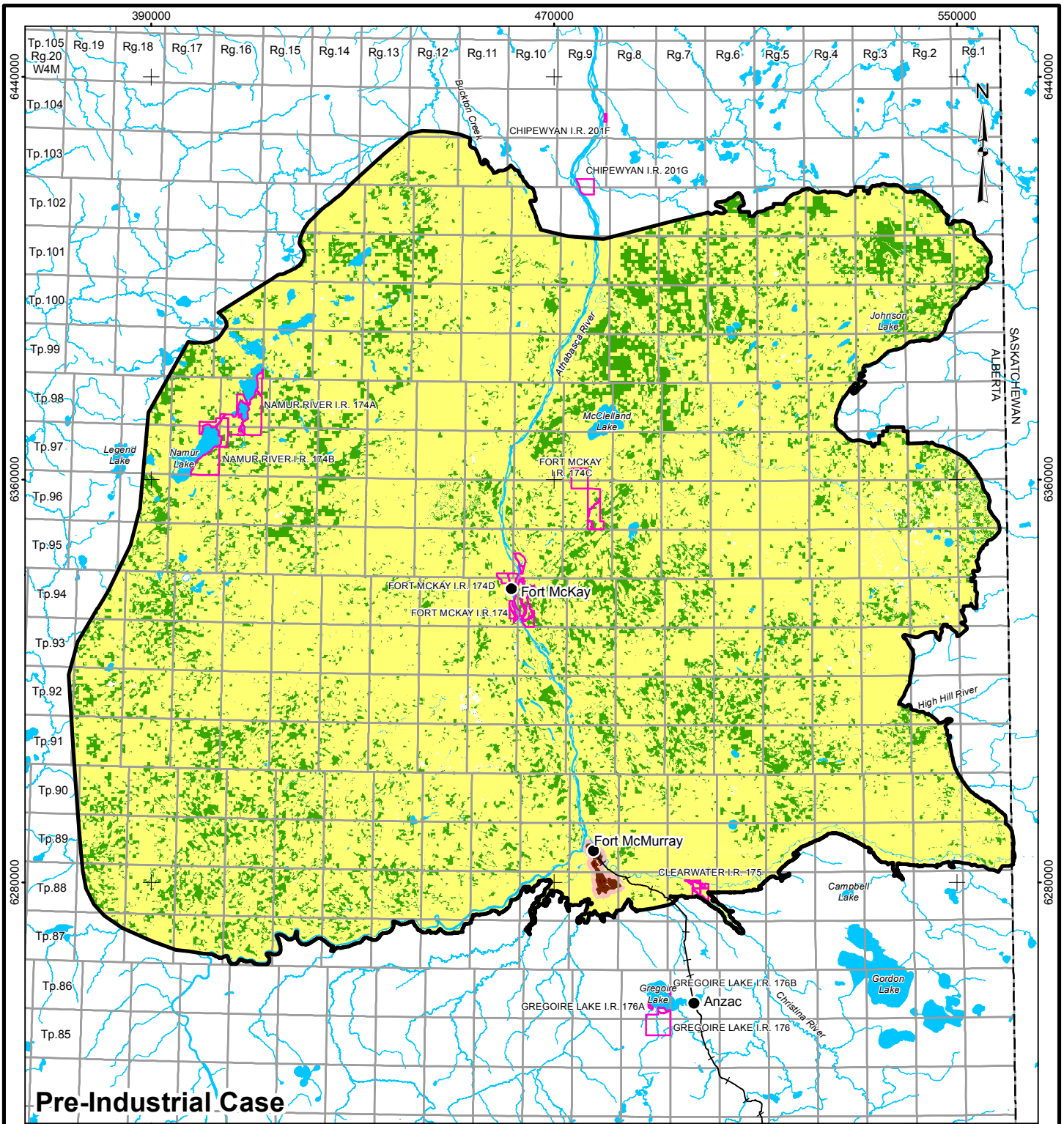


REFERENCE
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 DATUM: NAD83 PROJECTION: UTM ZONE 12N

PROJECT				PIERRE RIVER MINE PROJECT			
TITLE				WOOD BISON HABITAT SUITABILITY IN THE REGIONAL STUDY AREA			
 Shell Canada Limited	PROJECT	13-1346-0001	FILE No.				
	DESIGN	BS	26 Apr 2013	SCALE AS SHOWN	REV.	0	
	GIS	SB	26 Jun 2013				
	CHECK	CY	28 May 2013				
	REVIEW	MGJ	28 May 2013	FIGURE: 45			

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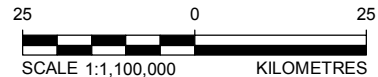
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Pre-Industrial Case

LEGEND

- | | |
|---|---|
| ● COMMUNITY | DISTURBED |
| — RAILWAY | EXISTING AND APPROVED URBAN AND INDUSTRIAL DISTURBANCE |
| — WATERCOURSE | EXISTING AND APPROVED URBAN AND INDUSTRIAL LINEAR DISTURBANCE |
| □ INDIAN RESERVE | HABITAT SUITABILITY |
| □ PROVINCIAL BOUNDARY | HIGH |
| □ TERRESTRIAL RESOURCES REGIONAL STUDY AREA | MODERATE |
| □ OPEN WATER | LOW |
| | NIL |



REFERENCE

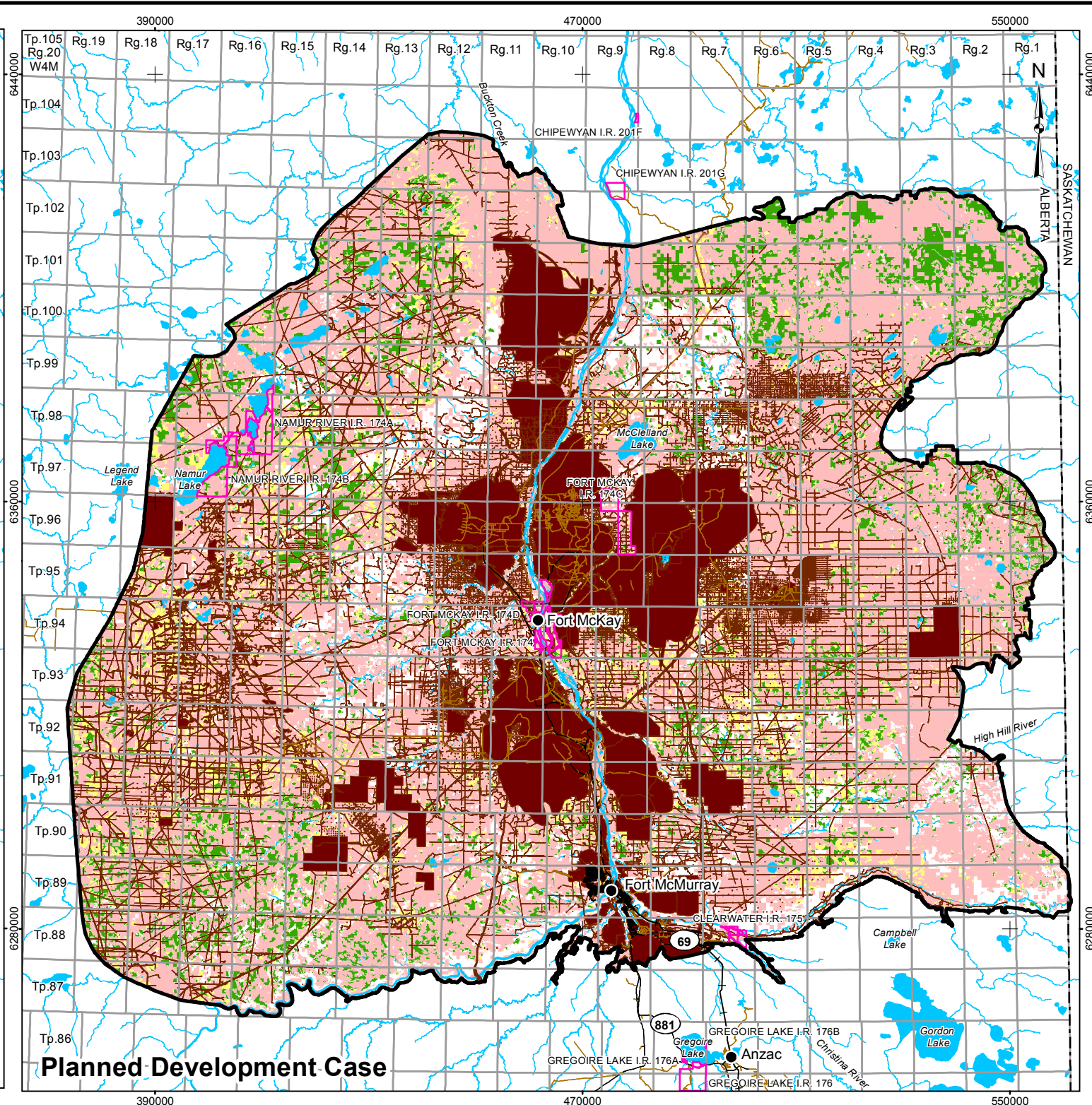
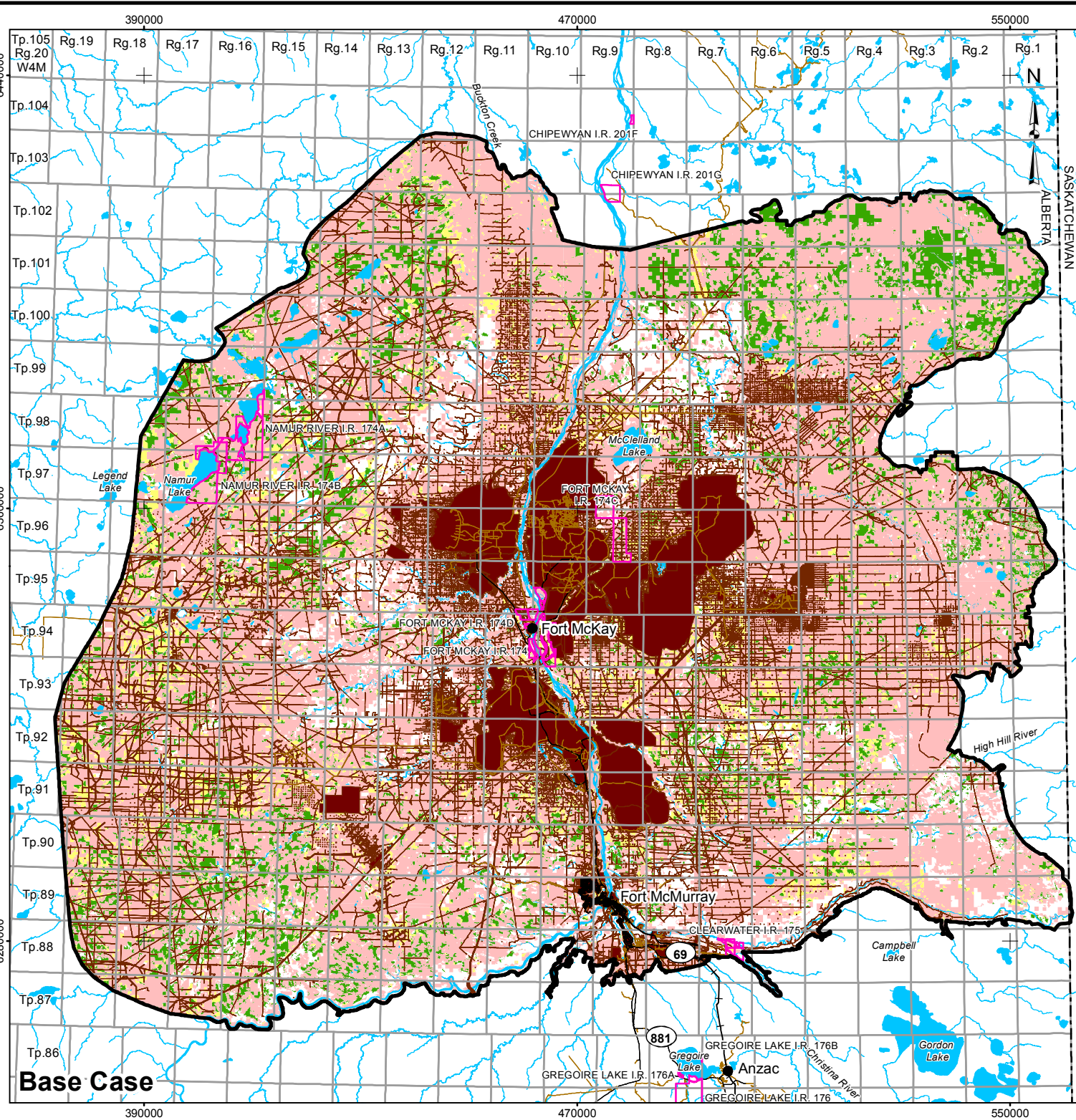
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PROJECT			
PIERRE RIVER MINE PROJECT			
TITLE			
WOODLAND CARIBOU - PRE-INDUSTRIAL CASE HABITAT SUITABILITY IN THE REGIONAL STUDY AREA			
PROJECT		13-1346-0001	FILE No.
DESIGN	BS	26 Apr 2013	SCALE AS SHOWN
GIS	SB	26 Jun 2013	REV. 0
CHECK	CY	28 May 2013	FIGURE: 46
REVIEW	MGJ	28 May 2013	



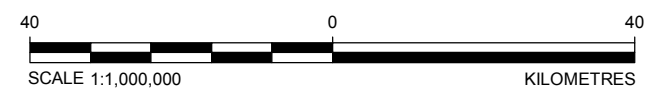
Shell Canada Limited

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LEGEND

- COMMUNITY
 - PAVED ROAD
 - UNPAVED ROAD
 - + RAILWAY
 - WATERCOURSE
 - INDIAN RESERVE
 - PROVINCIAL BOUNDARY
 - TERRESTRIAL RESOURCES REGIONAL STUDY AREA
 - OPEN WATER
- DISTURBED**
 - EXISTING AND APPROVED URBAN AND INDUSTRIAL DISTURBANCE
 - EXISTING AND APPROVED URBAN AND INDUSTRIAL LINEAR DISTURBANCE
- HABITAT SUITABILITY**
 - HIGH
 - MODERATE
 - LOW
 - NIL

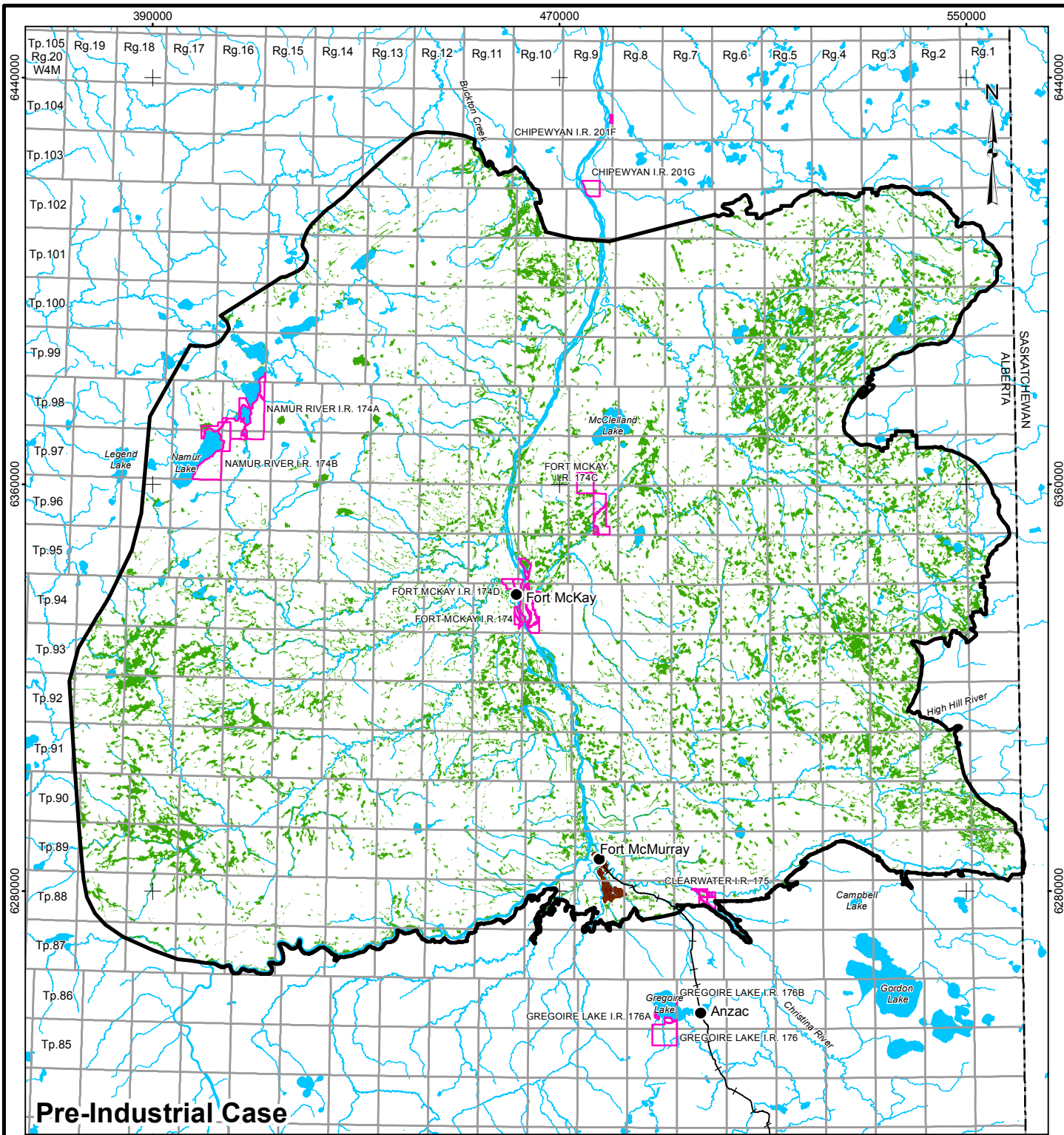


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 DATUM: NAD83 PROJECTION: UTM ZONE 12N

PROJECT				PIERRE RIVER MINE PROJECT			
TITLE				WOODLAND CARIBOU HABITAT SUITABILITY IN THE REGIONAL STUDY AREA			
 Shell Canada Limited	PROJECT	13-1346-0001	FILE No.				
	DESIGN	BS	26 Apr 2013	SCALE AS SHOWN	REV.	0	
	GIS	SB	26 Jun 2013				
	CHECK	CY	28 May 2013				
	REVIEW	MGJ	28 May 2013	FIGURE: 47			

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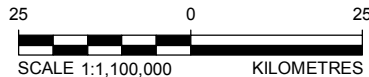
Pre-Industrial Case

LEGEND

- COMMUNITY
- RAILWAY
- WATERCOURSE
- INDIAN RESERVE
- PROVINCIAL BOUNDARY
- TERRESTRIAL RESOURCES REGIONAL STUDY AREA
- OPEN WATER
- DISTURBED**
- EXISTING AND APPROVED URBAN AND INDUSTRIAL DISTURBANCE
- EXISTING AND APPROVED URBAN AND INDUSTRIAL LINEAR DISTURBANCE
- HABITAT SUITABILITY**
- HIGH
- MODERATE
- NIL

REFERENCE

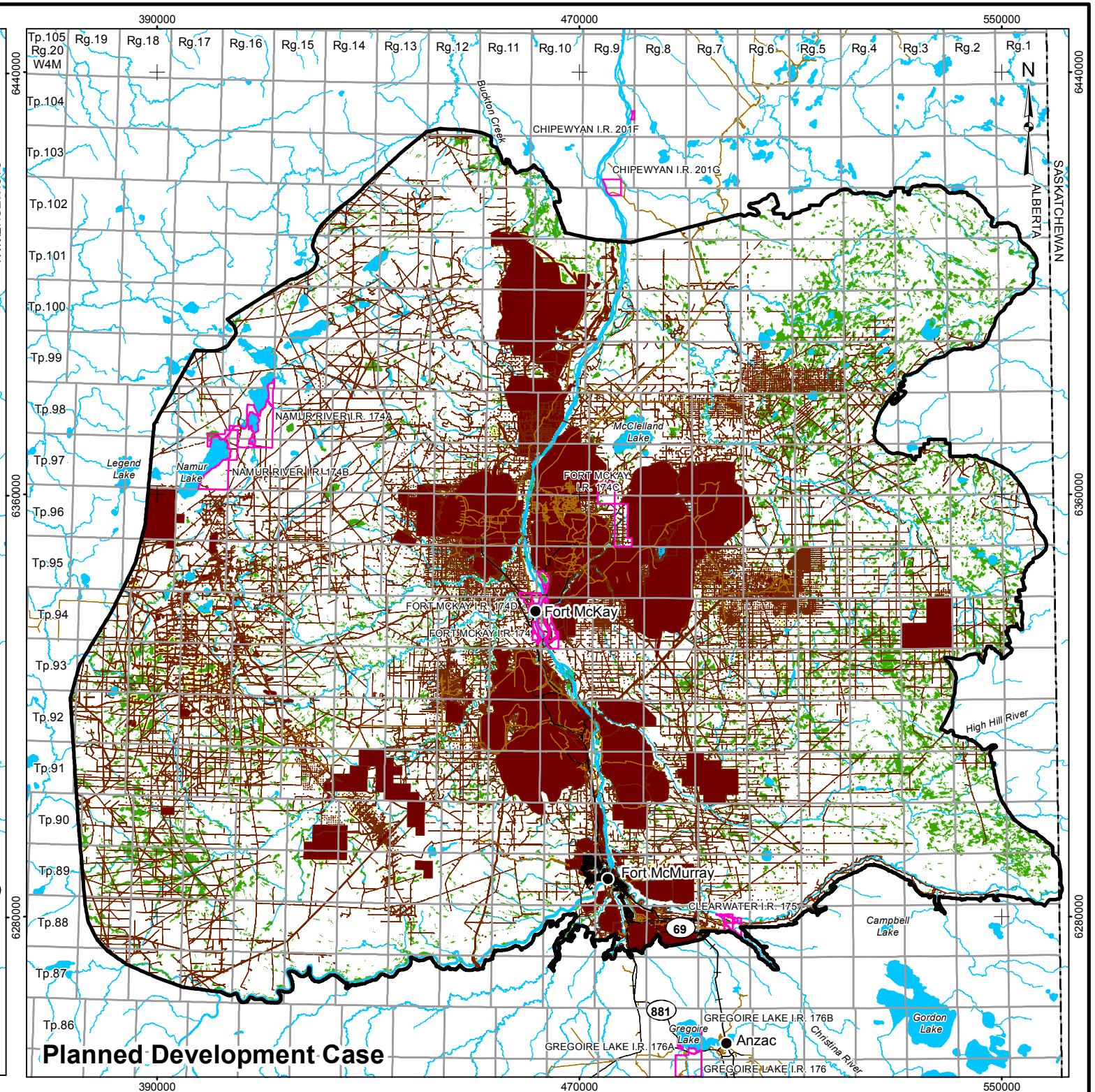
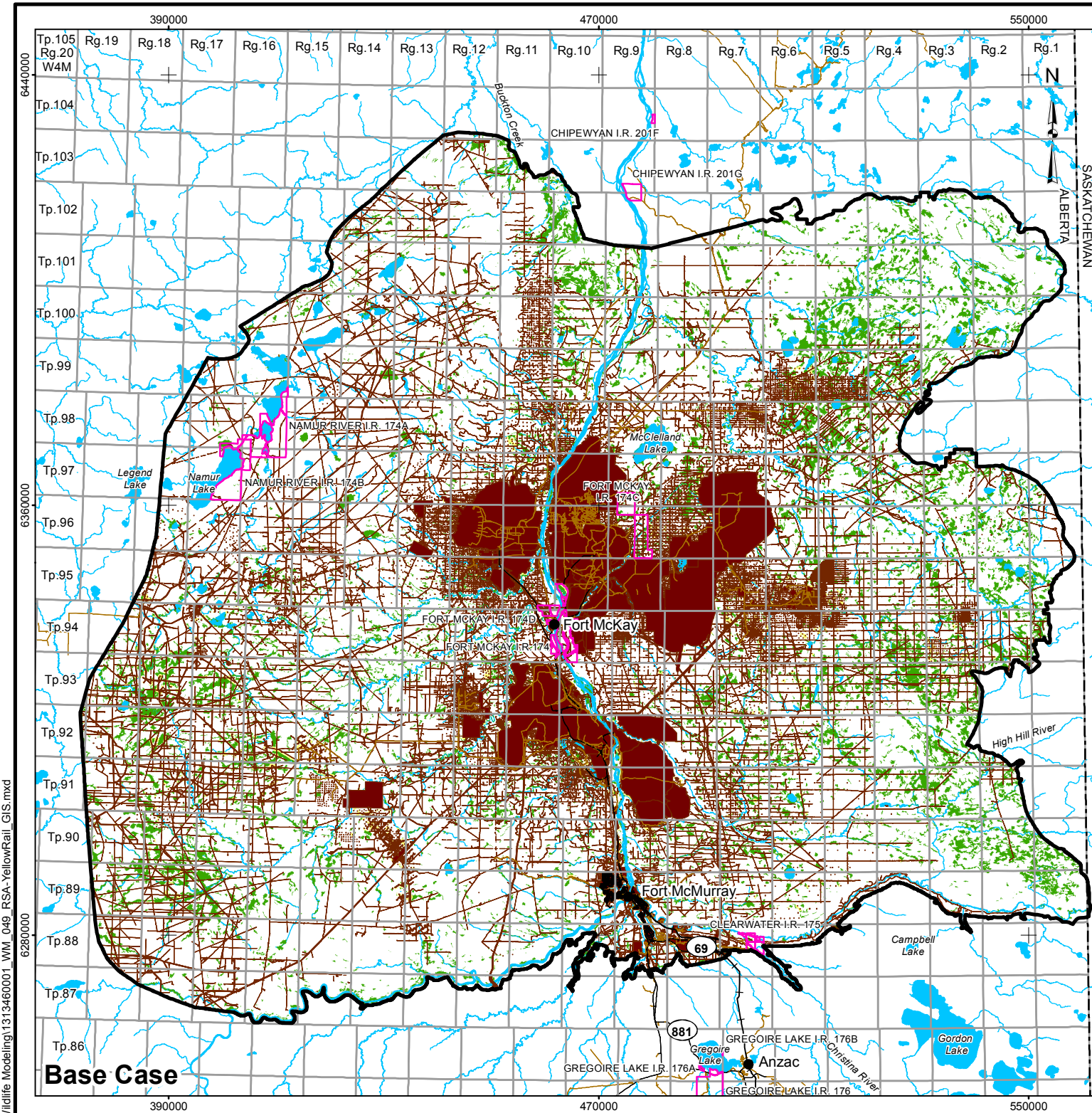
ALBERTA DIGITAL BASE DATA OBTAINED FROM ALTALIS LTD. © GOVERNMENT OF ALBERTA 2013. PROVINCIAL BOUNDARY OBTAINED FROM IHS ENERGY INC. DATUM: NAD83 PROJECTION: UTM ZONE 12N



<p>PROJECT</p> <p style="text-align: center;">PIERRE RIVER MINE PROJECT</p> <p>TITLE</p> <p style="text-align: center;">YELLOW RAIL PRE-INDUSTRIAL CASE HABITAT SUITABILITY IN THE REGIONAL STUDY AREA</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>PROJECT</td> <td>13-1346-0001</td> <td>FILE No.</td> </tr> <tr> <td>DESIGN</td> <td>BS 26 Apr 2013</td> <td>SCALE AS SHOWN</td> </tr> <tr> <td>GIS</td> <td>SB 26 Jun 2013</td> <td>REV. 0</td> </tr> <tr> <td>CHECK</td> <td>CY 28 May 2013</td> <td rowspan="2" style="text-align: center; vertical-align: middle;">FIGURE: 48</td> </tr> <tr> <td>REVIEW</td> <td>MGJ 28 May 2013</td> </tr> </table>	PROJECT	13-1346-0001	FILE No.	DESIGN	BS 26 Apr 2013	SCALE AS SHOWN	GIS	SB 26 Jun 2013	REV. 0	CHECK	CY 28 May 2013	FIGURE: 48	REVIEW	MGJ 28 May 2013
PROJECT	13-1346-0001	FILE No.													
DESIGN	BS 26 Apr 2013	SCALE AS SHOWN													
GIS	SB 26 Jun 2013	REV. 0													
CHECK	CY 28 May 2013	FIGURE: 48													
REVIEW	MGJ 28 May 2013														



Shell Canada Limited




LEGEND

● COMMUNITY	DISTURBED
— PAVED ROAD	■ EXISTING AND APPROVED URBAN AND INDUSTRIAL DISTURBANCE
— UNPAVED ROAD	— EXISTING AND APPROVED URBAN AND INDUSTRIAL LINEAR DISTURBANCE
+ RAILWAY	HABITAT SUITABILITY
— WATERCOURSE	■ HIGH
□ INDIAN RESERVE	■ MODERATE
— PROVINCIAL BOUNDARY	□ NIL
— TERRESTRIAL RESOURCES REGIONAL STUDY AREA	
■ OPEN WATER	



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 DATUM: NAD83 PROJECTION: UTM ZONE 12N

PROJECT		PIERRE RIVER MINE PROJECT	
TITLE		YELLOW RAIL HABITAT SUITABILITY IN THE REGIONAL STUDY AREA	
 Shell Canada Limited	PROJECT	13-1346-0001	FILE No.
	DESIGN	BS	26 Apr 2013
	GIS	SB	26 Jun 2013
	CHECK	CY	28 May 2013
	REVIEW	MGJ	28 May 2013
		SCALE AS SHOWN	REV. 0
		FIGURE: 49	

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