

MAR 20100009: CLEARWATER

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ASSESSMENT REPORT

SHALE AND SANDSTONE IN THE
CLEARWATER REGION

BURNCO ROCK PRODUCTS, LTD.

PERMIT NUMBERS:

9302020058

9302020054

PARTS B&C

Submitted by:
Yellowhead Mining Corporation

May 10, 2010

Report prepared by:
Russel Barnes
Ann Barnes

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1.0 INTRODUCTION

1.1 Purpose

Burnco Rock Products Ltd. requires the analysis of two of their mineral title claims in the Clearwater region of Alberta under permit numbers 9302020058 and 9302020054. This report is written to explain the results of our exploration in regards to the quantity, quality and logistical extraction of possible landscape rock deposits within these permits.

1.2 Scope

This report will explain how Yellowhead Mining Corporation compiled its information and discusses recommendations on the plausibility of further expenditure on development or exploration of these two claims. Deposit samples as well as logistic considerations are focused upon as leading factors in considering these sites as landscape rock quarries.

2.0 SUMMARY

Yellowhead Mining Corporation conducted an exploratory examination of two of Burnco Rock Products, Ltd. claims covered by Permit numbers 9302020058 and 9302020054. Both a sandstone and black shale deposit were located within Permit number 9302020058. Taking

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into consideration the quality, quantity and cost effectiveness of rock extraction, these two deposits are recommended for further development.

The claim covered by Permit number 9302020054 was examined by foot and was found lacking in deposits large enough to be considered for further development.

3.0 WORK PERFORMED

Driving northwest on secondary road 734 from Caroline, Alberta, on June 9, 2009 within the boundaries of permit number 9302020058, a steep scree of medium sized Cardium sandstone flagstones and slabs was visible. A GPS reading from this cliffside was 52° 3' 43.1" N, 115° 28' 58.5" W. Twenty two samples of sandstone were taken from top to bottom of the 50 to 60 meter in length talus deposit.

Hand trenching at 10 m intervals at the top of the cliff was conducted and it was determined that the outcrop was 12 to 18 m deep. From the dimensions of the sandstone outcrop it is estimated there is 35 - 50,000 m³ of landscape sandstone in this deposit. From analysis of the sandstone considering its hardness and colour, it was concluded that this sandstone deposit could be a viable landscape product.

A survey of the surrounding terrain with consideration to the location of secondary road 734 verified that the sandstone would be best quarried from the hilltop where the overburden ranged from less than one foot to non-existent. Please see Map number 8.1 on page 8 of this report for a possible lay-down area for this deposit.

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Exposed in outcrops along secondary road 734 at GPS reading $52^{\circ} 4' 8.4''$ N, $115^{\circ} 29' 33.0''$ W, was Blackstone Formation shale varying in sizes of 10 - 200 mm. Twenty two samples were taken throughout the outcrop from varying depths.

From the top of the outcrop, five trench holes were dug at 12 m intervals. The overburden became too deep for hand trenching, but from the data we were able to collect, the deposit was at least 60 m deep. From the dimensions of the shale deposit it is estimated there is 140,000 - 200,000 m³ of material. Please see Map number 8.2 on page 9 of this report for a possible lay-down area.

Due to the size, quantity and colour, this shale deposit was determined to be an acceptable landscape material. Logistically, this deposit would be cost effective to extract due to its location beside secondary road 734.

Twenty samples were extracted from areas indicated on the Map number 8.2 on page 9 of this report where other possible deposits of sandstone and shale were located.

Work conducted on Permit number 9302020058 concluded on July 23, 2009.

Permit number 9302020054 was examined by foot on August 5, 2009 starting at the Teepee Pole Creek bridge located at $51^{\circ} 54' 7.5''$ N, $115^{\circ} 9' 32.8''$ W. Logging that occurred in this region in the last 8 years did not uncover any relevant sized shale or sandstone outcrops although river gravels were excessive.

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Sixty four samples were collected at various locations of the permit area, but were not found to be of an acceptable quality nor abundance to warrant any further work or consideration. Please see Map number 8.3 on page 10 of this report for the sample locations within Permit number 9302020054.

Work conducted on Permit number 9302020054 concluded on August 9, 2009.

4.0 RESULTS

The most viable sandstone deposit due to quality, quantity and logistics was found at $52^{\circ} 3' 43.1''$ N, $115^{\circ} 28' 58.5''$ W within Permit number 9302020058. It is estimated there is 35 - 50,000 m^3 of landscape sandstone within this deposit.

The best location for a black shale deposit was located at $52^{\circ} 4' 8.4''$ N, $115^{\circ} 29' 33.0''$ W also under Permit 9302020058. It is estimated there is 140,000 - 200,000 m^3 of product at this site.

Although sixty four samples of sandstone and shale were taken within the claim covered by Permit number 9302020054, the quality and quantity were lacking.

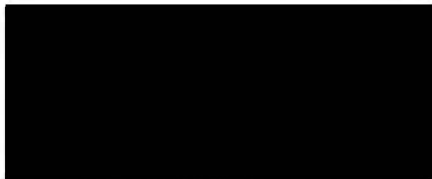
YELLOWHEAD MINING CORPORATION

5.0 CONCLUSIONS

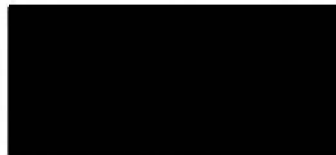
The sandstone deposit located within Permit number 9302020058 is landscape quality product. Considering the quantity, quality and proximity to existing roadways, further development of this deposit for landscape rock is recommended.

Also within Permit number 9302020058 is a deposit of black shale. The colour and hardness of this shale would make it an acceptable landscape product with many uses. Its accessibility to secondary road 734 is also an important factor considered in the recommendation to further develop this deposit.

Judging from the lack of quality and quantity of shale and sandstone discovered within Permit number 9302020054, it is not viable to pursue further exploration at this time.



Russel Barnes
Yellowhead Mining Corporation Director




Ann Barnes
Yellowhead Mining Corporation Director

YELLOWHEAD MINING CORPORATION

6.0 STATEMENT OF QUALIFICATIONS

Russel and Ann Barnes have owned and operated Yellowhead Mining Corporation since June 17, 2003. They have developed and sold ten mineral quarries located in British Columbia.

In 2004, they purchased a landscape supply centre in Edmonton, Alberta and turned it into a profitable and innovative company introducing Edmonton and the surrounding area to new products of rock landscaping.



Ann Barnes
Yellowhead Mining Corporation Director

7.0 SELECTED REFERENCE

McRitchie, W.D. 2004: June 2004: Shale and Sandstone in the Clearwater Region. 50p.

**MINERAL ASSESSMENT
EXPENDITURE BREAKDOWN BY TYPE OF WORK**

- Estimated Expenditure** (submitting with **Statement of Intent to File**)
 Actual Expenditure (for **Part B** of Report; Must match total filed in Part A)

Project Name: CLEARWATER 9302020058 & 9302020054

	<u>AMOUNT</u>
1. Prospecting	<u>\$1,150.00</u>
2. Geological Mapping & Petrography	<u>\$</u>
3. Geophysical Surveys	
a. Airborne	<u>\$</u>
b. Ground	<u>\$</u>
4. Geochemical Surveys	<u>\$</u>
5. Trenching and Stripping	<u>\$8,550.00</u>
6. Drilling	<u>\$</u>
7. Assaying & whole rock analysis	<u>\$</u>
8. Other Work: _____	<u>\$</u>
SUBTOTAL	<u>\$9,700.00</u>
9. Administration (up to 10% of subtotal)	<u>\$300.00</u>
TOTAL	<u>\$10,000.00</u>

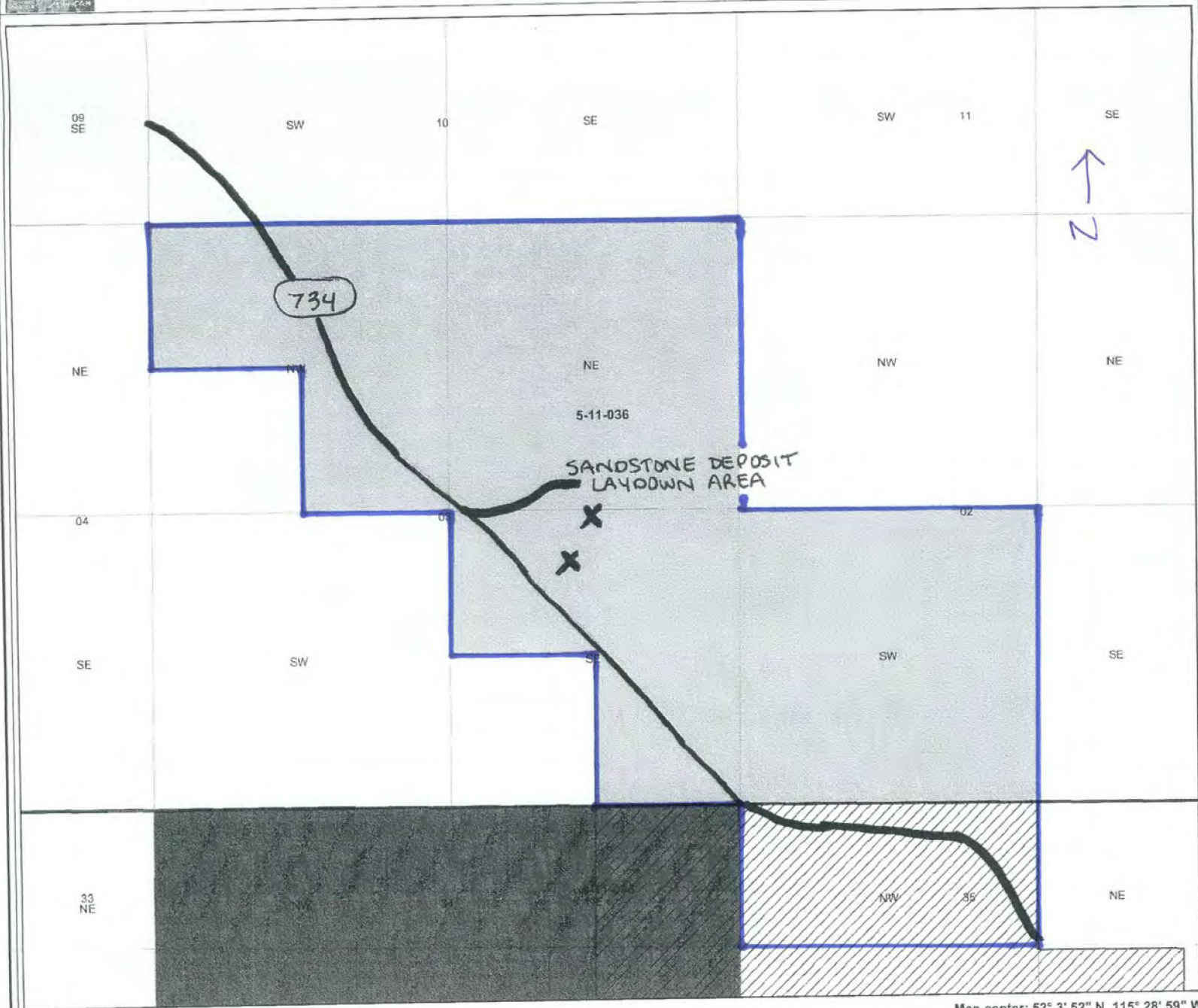
ANN BARNES
SUBMITTED BY (Print Name)


SIGNATURE

JUNE 22, 2010
DATE

PART C

8.1 Permit # 9302020058



- Leg**
- Quarter Section
 - Alberta Boundary
 - Meridian
 - Township
 - Section
 - Major River
 - Major Lake
 - Major Road
 - 30 Day Pending
 - Reserved/Withdrawn - Restrictions
 - No Surface Access - Restrictions
 - Subject To - Restrictions
 - Other - Restrictions
 - Municipality
 - Special Lease - 037
 - Phosphate Exploration - 069
 - Permit - 093
 - Other - 042
 - Natural Gas Storage - 036
 - Lease - 094
 - Application Special Lease - A37
 - Application Phosphate Exploration - A69
 - Application Permit - A93
 - Application Other - A42
 - Application Natural Gas Storage - A36
 - Application Lease - A94
 - Mineral Ownership Undetermined
 - Minerals Not Owned by the Alberta Crown
 - Parks and Protected Areas
 - National Park
 - X Sample sites

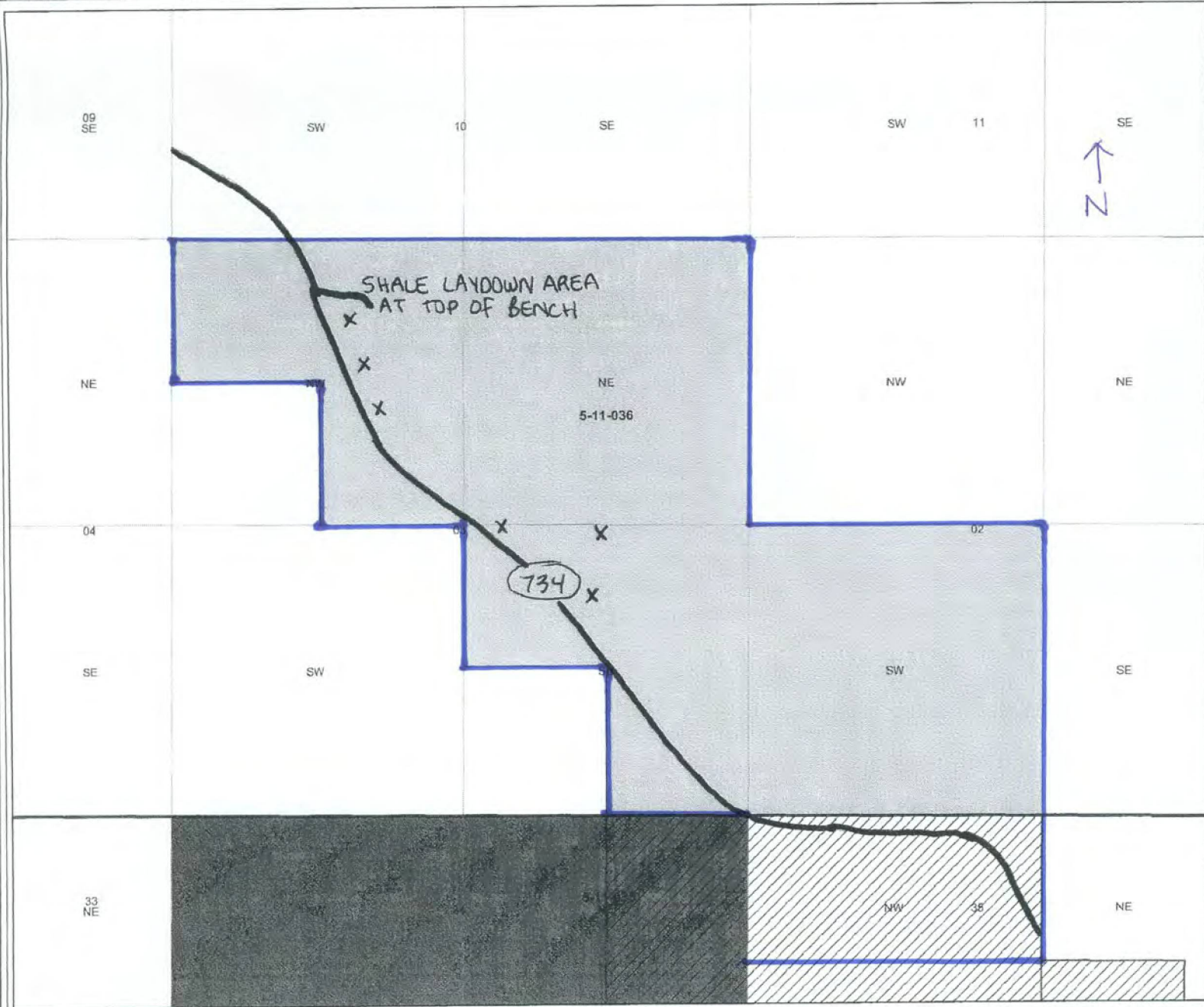
May 24, 2010

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Map center: 52° 3' 52" N, 115° 28' 59" W

8.2 Permit # 9302020058



- Leg**
- Quarter Section
 - Alberta Boundary
 - Meridian
 - Township
 - Section
 - Major River
 - Major Lake
 - Major Road
 - 30 Day Pending
 - Reserved/Withdrawn - Restrictions
 - No Surface Access - Restrictions
 - Subject To - Restrictions
 - Other - Restrictions
 - Municipality
 - Special Lease - 037
 - Phosphate Exploration - 069
 - Permit - 093
 - Other - 042
 - Natural Gas Storage - 036
 - Lease - 094
 - Application Special Lease - A37
 - Application Phosphate Exploration - A69
 - Application Permit - A93
 - Application Other - A42
 - Application Natural Gas Storage - A36
 - Application Lease - A94
 - Mineral Ownership Undetermined
 - Minerals Not Owned by the Alberta Crown
 - Parks and Protected Areas
 - National Park

X Sample Areas

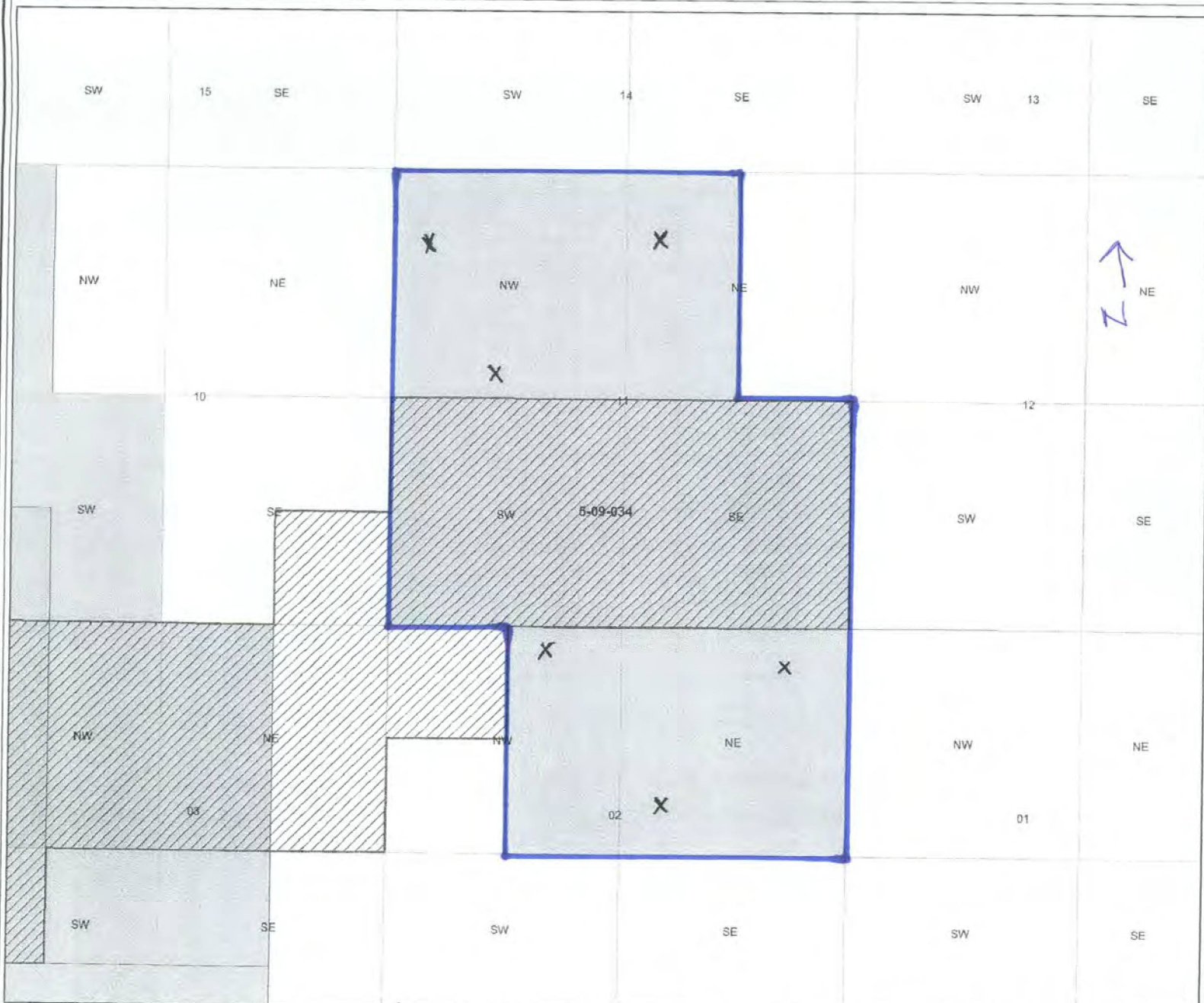
May 24, 2010

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Map center: 52° 3' 54" N, 115° 29' 0" W

8.3: Permit # 9302020054



- Legend**
- Quarter Section
 - Alberta Boundary
 - ~ Meridian
 - Township
 - Section
 - Major River
 - Major Lake
 - ~ Major Road
 - 30 Day Pending
 - Reserved/Withdrawn - Restrictions
 - No Surface Access - Restrictions
 - Subject To - Restrictions
 - Other - Restrictions
 - Municipality
 - Special Lease - 037
 - Phosphate Exploration - 069
 - Permit - 093
 - Other - 042
 - Natural Gas Storage - 036
 - Lease - 094
 - Application Special Lease - A37
 - Application Phosphate Exploration - A69
 - Application Permit - A93
 - Application Other - A42
 - Application Natural Gas Storage - A36
 - Application Lease - A94
 - Mineral Ownership Undetermined
 - Minerals Not Owned by the Alberta Crown
 - Parks and Protected Areas
 - National Park
 - x Samples Taken

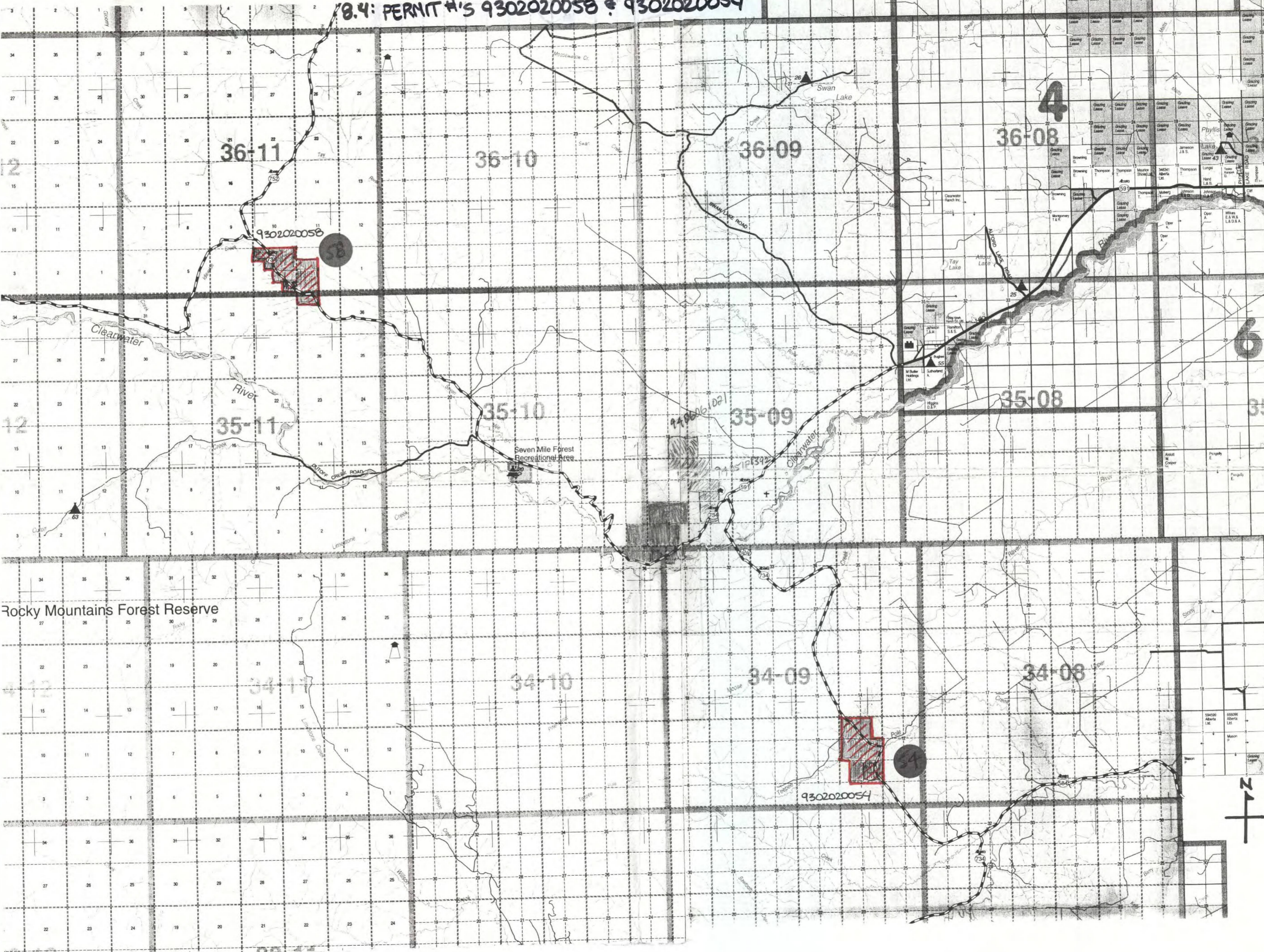
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Map center: 51° 54' 2" N, 115° 10' 18" W

8.4: PERMIT #'S 9302020058 & 9302020054



36-11

36-10

36-09

36-08

35-11

35-10

35-09

35-08

9302020058

9302020054

Rocky Mountains Forest Reserve

Seven Mile Forest Recreational Area

