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**EMERALD FIELDS  
 RESOURCE CORPORATION**  
 1546 Pine Portage Road  
 Kenora, Ontario P9N 2K2

**DIAMOND DRILL and GEOLOGICAL  
 ASSESSMENT REPORT**

**PEARSON PROPERTY**

*Abbey, Bingo, Cedar, Coho, Coho 2-6, Dan 1-11, EFR, EFR 1-6,  
 Galleon 53-54, Galleon 57, Galleon 70-71, Galleon 80, Jack, Jack 2, Jan 7-8,  
 Jay Jay, Nahay 1-11, Nose, Nose 2, Obin, Outhouse, Pacimist 2-4, Princess, Princess 2,  
 Ralph 1-2, Ran, Ran 1-16, Roccod, Timber, Ultra 1-6, Whistle 1-2, and Woody Claims*

**KAREN PROPERTY**

*Karen 1-5 Claims*

**PORT RENFREW AREA  
 VICTORIA MINING DIVISION  
 VANCOUVER ISLAND, B.C.**

GEOLOGICAL BRANCH  
 ASSESSMENT  
 27517

<b>Location</b>	Pearson - 48°35'-48°41'N; 124°13'-124°31'W Karen - 48°26'-48°28'N; 124°04'-124°08'W
<b>Map Sheets</b>	Pearson - 092C.059, 068, 069/92C09, 10E Karen - 092C.050/92C08E
<b>Claim Owners</b>	Emerald Fields Resource Corporation; Gary Pearson
<b>Operator</b>	Emerald Fields Resource Corporation
<b>Consultants</b>	Gary Pearson; Perry Heatherington; Zone 14 GeoInfo Solutions
<b>Authors</b>	Alasdair Mowat; Gary Pearson; Perry Heatherington
<b>Date</b>	September 23, 2004

# EXPENDITURES SUMMARY

## Pearson Property

### A. Drill Program

<b>1. Professional Services (April 2-28, 2004)</b>	
A.J.M. Mowat, CET	
Drill Supervision and core logging 25 days @ \$475/day	\$11,875.00
Data compilation and report writing 5 days @ \$475/day	<u>2,375.00</u>
	<b>\$14,250.00</b>
<b>2. Field Personnel</b>	
Gary Pearson (Prospector)	
25 days @ \$350/day	8,750.00
Perry Heatherington (Prospector)	
12 days @ \$350/day	<u>4,200.00</u>
	<b>\$12,950.00</b>
<b>3. Office Personnel</b>	
Zone 14 GeoInfo Solutions	
Data compilation; report preparation	4,410.00
Field preparation: mob/demob	<u>1,900.00</u>
	<b>\$ 6,310.00</b>
<b>4. Expenses</b>	
<u>Diamond Drilling</u>	
Advance Drilling Ltd.	<u>36,569.70</u>
	<b>\$36,569.70</b>
<u>Analysis</u>	
ALS Chemex	
209 assay @ \$52/sample	10,868.00
19 whole rock @ \$32/sample	<u>608.00</u>
	<b>\$11,476.00</b>
<u>Communication</u>	
Satellite phone	105.00
Phone and Fax	<u>75.00</u>
	<b>\$ 180.00</b>
<u>Field Supplies</u>	
Sample bags, survey flagging, etc.	100.00
Publications, map prints	<u>100.00</u>
	<b>\$ 200.00</b>

Shipping

Core samples to ALS Chemex

Canada Post	127.42
Purolator	<u>403.26</u>
	<b>\$ 530.68</b>

Lodging and Meals: 2 men

25 days @ \$70/day	1,750.00
12 days @ \$70/day	<u>840.00</u>
	<b>\$ 2,590.00</b>

Transportation

1-4 x4 tuck @ \$900/month	900.00
1-standard @ \$600/month	600.00
Mileage: 4,500km @ \$0.35/km	1,575.00
Fuel	665.36
Airfare	<u>1,788.00</u>
	<b>\$ 5,528.36</b>

EFR Corporation

Administrative Costs (10%)	<u>9,058.00</u>
	<b>\$ 9,058.00</b>

**Drill Program**

**Subtotal: \$ 99,642.74**

**B. Stripping Program**

**1. Professional Services**

Perry Heatherington (Prospector)

Supervision	
6 days @ \$350/day	<u>2,100.00</u>
	<b>\$ 2,100.00</b>

**2. Field Personnel**

Gary Pearson (Prospector)

Cleaning, washing	
6 days @ \$350/day	2,100.00

Phil Thorgrimson

6 days @ \$200/day	<u>1,200.00</u>
	<b>\$ 3,300.00</b>

**3. Expenses**

Excavating

Wayne Smith Excavating	4,480.00
Equipment Rental	<u>187.50</u>
	<b>\$ 4,667.50</b>

Lodging and Meals: 1 man

6 days @ \$70/day	<u>420.00</u>
	<b>\$ 420.00</b>

Transportation

Mileage: 720km @ \$0.35/km	252.00
Fuel	<u>106.46</u>
	<b>\$ 358.46</b>

EFR Corporation  
Administrative Costs (10%)

1,085.00  
**\$ 1,085.00**

**Stripping Program**  
**Subtotal: \$ 11,930.96**

## **Karen Property**

### **1. Professional Services**

A.J.M. Mowat, CET  
2 days @ \$475/day \$ 950.00  
Data compilation and report writing  
2 days @ \$475/day 950.00  
**\$ 1,900.00**

### **2. Field Personnel**

Gary Pearson (Prospector)  
8 days @ \$350/day 2,800.00  
  
Perry Heatherington (Prospector)  
8 days @ \$350/day 2,800.00  
**\$ 5,600.00**

### **3. Office Personnel**

Zone 14 GeoInfo Solutions  
Data compilation; report preparation 1,950.00  
**\$ 1,950.00**

### **4. Expenses**

Lodging and Meals: 2 men  
2 days @ \$70/day 140.00  
8 days @ \$70/day 560.00  
**\$ 700.00**

#### Transportation

Mileage: 480km @ \$0.35/km 168.00  
Fuel 70.97  
**\$ 238.97**

EFR Corporation  
Administrative Costs (10%) 1,039.00  
**\$ 1,039.00**

**Karen Property**  
**Subtotal: \$ 11,427.97**

## EXPENDITURE TOTALS

### Pearson Property

Drill Program Subtotal: \$ 99,642.74

Stripping Program Subtotal: \$ 11,930.96

### Karen Property

Reconnaissance Geology Subtotal: \$ 11,427.97

2004 Assessment Work – TOTAL \$123,001.67



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**DIAMOND DRILL and GEOLOGICAL  
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**ACKNOWLEDGEMENTS**



**EMERALD FIELDS RESOURCE CORPORATION**

would like to thank the following Contributors  
for their efforts and suggestions:

Perry Heatherington, C.O.O.  
Gary Pearson, Prospector

*and*



Yvette Hawkes, Partner  
Giselle Schween, Partner  
[www.zone14.com](http://www.zone14.com)



# EMERALD FIELDS RESOURCE CORPORATION

PEARSON/KAREN PROPERTY  
Vancouver Island, BC

## DIAMOND DRILLING and GEOLOGY ASSESSMENT REPORT

September 2004

### Introduction

During spring 2004, *Emerald Fields Resource Corporation* (EFR) conducted an exploration program consisting of mechanical stripping, trenching and diamond drilling on its **Pearson** property and reconnaissance geology on its **Karen** property. Both projects are located north and southeast (respectively) of the community of Port Renfrew on Vancouver Island, British Columbia [Figure A]. The claims are a combination of option and company staking recorded in the Victoria Mining Division, BC [Figures B/C].

This exploration program was supervised by Alasdair J.M. Mowat (Mining Engineer Technician; C.E.T.) with assistance from Perry Heatherington and Gary Pearson (prospectors). The purpose of the program was to follow-up EFR's 2003 exploration results.

Services provided:

Company	Location	Service
Advanced Drilling Ltd.	Surrey, BC	Diamond drilling
ALS Chemex	North Vancouver, BC	Analytical chemistry
Wayne Smith Excavating	Port Renfrew, BC	Mechanical stripping; excavating
Zone 14 GeoInfo Solutions	Winnipeg, MB	Technical report and maps



## Location

### **Pearson Property**

The **Pearson** property is situated approx. 12 km north of the community of Port Renfrew, just north of the San Juan River. The community is located on the southwest coast of Vancouver Island approx. 100 km WNW from the city of Victoria, on the south shore of the bay of Port San Juan. The town has an Industrial Park Site and can be developed into a deep-sea shipping port. Utility services are available (UTM central coordinate is 48°-38' N by 124°-22' W; NTS 92C/09 and 10E, Zone 10 [Figure A]).

The region is mountainous with west coast rain forest vegetation, second-growth forests and logging clear-cuts. The area is easily accessible by both paved (Highways #14) road from Victoria and gravel road from the town of Lake Cowichan. A network of mainline, secondary and tertiary logging roads allow access to the claims.

### **Karen Property**

The **Karen** property is located on the southwest coast of Vancouver Island, approx. 26 km southeast of the community of Port Renfrew and northwest of the town of Jordan River. Highway # 14 from the city of Victoria runs along and through the southern claim boundary. Victoria is situated approx. 74 km to the southeast (UTM 48° 26'- 28' N by 124° 04'- 08' W; NTS 092C/08E, Zone 10 [Figure A]).

The property drapes the west-facing slope of mountainous terrain, overlooking the Juan De Fuca Strait. Vegetation is typical west coast rain forest - second growth. Access is gained by paved highway (#14) through the southern portion of the property, and then auxiliary north-trending gravel logging roads with east-west spire line trails.

## Claims

### **Pearson Property**

The **Pearson** property is comprised of 92 contiguous claims totaling 626 claim units (10,016 hectares or 25,040 acres). The claims are recorded in the Victoria Mining Division (Vancouver Island, BC). The claim block is somewhat rectangular, approx. 22 km east-west by 10 km north-south [Figures B/C].

## **Karen Property**

The **Karen** property is comprised of five mining claims totaling 65 claim units (1040 hectares or 2600 acres). The claims are recorded in the Victoria Mining Division (Vancouver Island, BC). The claim block is approx. 3.5 km east-west by 3.2 km north-south [Figures B/C].

## **Regional Geology**

### **Pearson Property**

The geology of the Pearson property has been mapped in the past as predominantly a mixture of rocks from the West Coast and the younger Island Plutonic Complexes. The main rock types are dioritic to gabbroic intrusions with ultramafic phases within the West Coast Complex and granodioritic intrusions of the early to middle Jurassic Island Intrusive Suite. Northerly, easterly and southeasterly trending bodies of limestone/marble are common throughout the property. These limestone units are engulfed as pendants within the West Coast Complex Intrusive rocks. They have been interpreted as remnants of the Triassic Quatsino Limestone Formation. The Triassic Volcanics of the Karmutsen basalts/andesites are noted in the vicinity of the headwaters of the Renfrew Creek-**Reko** area.

To the south in the **Ebb** area, the geology is described as an east-trending band of deformed sediments – volcanic units of the Mesozoic Pacific Rim Complex in contact with metamorphic units of the Mesozoic/Paleozoic Westcoast Complex.

Structures, faults and folds are noted on the property. For example, a major northwest-trending fault is common to the deposits and showings of the **Bugaboo**, **Alfreda** and **Ebb** areas. As for folds, a moderate northwesterly-plunging syncline occupies the **Reko** area. Parallel faults are associated with this fold system.

A government aeromagnetic survey over the property indicates an area of high magnetics, probably due to iron content. The anomalous response is unknown.

### **Karen Property**

Volcanic and intrusive rocks occupy 90% of the northern region of the Karen Property. Sediments lie along the southern perimeter of the claim block and to the sea. The former units are classified as Paleocene to Eocene in age belonging to the Metchosin Igneous Complex - Metchosin Formation of basaltic volcanic rocks. This unit consists of interbedded tuffs, pillows and amygdaloidal flows striking easterly and dipping 20°-80° north. They are altered, sheared and brecciated with little folding. Included in the Metchosin Igneous Complex is the intrusive (Sooke) gabbros of dioritic to gabbroic composition which are also altered and steep dipping.

The majority of dykes are 30-50 meters wide with the largest up-to 800 meters in width. The latter undivided sedimentary rocks are placed in the Upper Eocene to Oligocene Carmanah Group.

Underlying the area is a southeast striking high magnetic anomaly. This anomaly was detected during an earlier government airborne geophysical survey. The property occupies the most westerly flank of this large magnetic feature.

## Discussion/Results

The purpose of the 2004 spring program was to test several showings on the Pearson property (Reko and Ebb showings) and to conduct a field review of the Karen project area.

### Methods of Evaluation:

1. Mechanical stripping (and washing)
2. Diamond drilling
3. Core sampling and analysis
4. Reconnaissance field geology – Karen Property

### Evaluation Results:

#### 1. Mechanical stripping (and washing)

The two areas that were mechanically stripped were the **Reko** and **Ebb** showings on the Pearson property [Figures B/C]:

- Reko showing (Pope's Nose; BC Minfile 092C-069): This stripped/washed area represents a clearing approx. 30 m long (N-S) by 5 m high by 1 m thick, totaling approx. 150 m<sup>3</sup> of clay, sand and gravel. Washing was done using high-pressure hose to break, loosen and remove hardpan material, exposing clean bedrock. This excavation area is located 180m south of the northwest corner of the *GALLEON 53 (Tenure 370610)* mining claim on the east shoulder of the Granite Mainline (timber) Road. The purpose of this excavation was to further expose the sulphide (chalcopyrite-pyrrhotite) showing of the Pope's Nose and prepare the drill site.
- Ebb showing (BC Minfile 092C-059): This excavation site is approx. 6 m long (along the east shoulder of the Fairy Creek road) by 3 m high by 2 m deep at road level, totaling approx. 36 m<sup>3</sup> of material. The purpose of the stripping in this area was to expose the bedrock. This site is located on mining claim *GALLEON 71 (Tenure 373375)*, 100 m south of the northwest claim corner.

## **2. Diamond drilling**

The original drill program called for a small, portable drill (ie: Hydracore<sup>®</sup>) to conduct a series of shallow-hole tests. The footage contract was for a minimum of 1000 ft (330 m).

Unfortunately, Advance Drilling Ltd (Surrey, BC) provided two large drills that did not meet EFR's original requirements. The first drill arrived in Port Renfrew on Sunday, April 4 and the second drill arrived on Tuesday, April 20. The drill program was finished on Tuesday, April 27/04. Seven holes were drilled for a total depth of 326.7 m (1071.85 ft) of BQ core. The core is stored in the basement of the Loft Building, Port Renfrew Hotel (Port Renfrew, BC).



Arrival of drill in Port Renfrew, BC



Drill on-site in the Pearson project area at Pope's Nose Showing

### **Drill Holes PR-01 to PR-04** [Figures D/E]

Drilling was done on the site known as the Pope's Nose (chalcopyrite-pyrrhotite) showing on the *GALLEON 53 (Tenure 370610)* mining claim. It was selected to test aspects of its dimensional size and grade. Four holes were drilled in a semi-fan fashion into the exposed sulphide body. The heavy sulphide mineralization of chalcopyrite, bornite, pyrrhotite and structural features gave a false (pseudo) geological appearance. Drilling proved this observation, particularly in drill hole PR-04 (dip  $-70^{\circ}$ ; azimuth  $120^{\circ}$ ) - indicating the sulphides were footwall remnants originally in contact with the overlying limestone before erosion. To further test this zone, the drill required rotating and repositioning both on the Granite Mainline Road and up the mountainside. The drill equipment was not suitable for this task; subsequently, drilling was terminated at this site.

At the start of drilling, holes PR-01 and PR-02 encountered a veneer of chalcopyrite, whereas PR-03 and PR-04 intersected several inches of stringer, blebby and massive chalcopyrite and pyrrhotite sulphides. The underlying rock units are predominantly gabbros (anorthosite), amphibolites, andesites and felsites; the latter three units may be xenoliths and/or dykes. The dominant contact is  $30^{\circ}$ -  $45^{\circ}$  to core axis (CA). The rocks are slightly to moderately carbonated.

### **Drill Holes PR-05 and PR-06** [Figures D/F/G]

These two drill holes are located on mining claim *RAN (Tenure #394702)*, approx. 1.5 km south of the Pope's Nose showing and just west off the Granite Mainline Road. PR-05 is approx. 50 m west and PR-06 is 130 m west of the road junction, both lying north +/- 25 m.

The purpose of this portion of the drill program was to test a previous *Reako Exploration Ltd.* drill hole – casing left in place – and a trenched east-west magnetite zone. PR-05 was drilled 1 m west by 0.5 m south of Reako's drill casing (dip -50°; azimuth 080°). This hole was terminated at 33.8 m (111.0 ft). The predominant rock type is gabbro with andesite and felsic xenoliths and/or dykes, weakly to moderately carbonated. General contacts are at 30° to core axis (CA).

Hole PR-06 was drilled under Reako's (1970's) trench (dip -45°; azimuth 313°). This hole was drilled in heavy magnetite and garnetite at the beginning, gradually decreasing down-hole. Drilling was stopped at 52.1 m (171.0 ft). Excluding magnetite and garnetite, the rock units are ultramafic-gabbros, with possible andesites and felsic-dacite xenoliths and/or dykes (highly altered). General contacts are at 20°- 30° to core axis (CA).

### **Drill Hole PR-07** [Figures D/H]

The purpose of hole PR-07 (dip -45°; azimuth 060°) was to test Matti Tavela's (1980's) Ebb showing in the Fairy Creek area. Tavela had outlined a magnetic anomaly in an area where he had located float boulders containing copper, nickel and cobalt mineralization. Based on Tavela's plan, the location of drilling was to be on mining claim *GALLEON 70*; however, the road to this site was washed out, and the size of the drill (second drill) prohibited movement. Therefore, the drill was moved to the stripped area on *GALLEON 71*. At the beginning of drilling, there was 10.7 m of overburden followed by altered and highly sheared gabbro. The geophysical target was not defined due to the location of the hole, which was stopped at 122.5 m (402 ft). Review of the geophysical map indicates that the anomaly appears to dip to the east. General contacts are at 25°- 30° to core axis (CA).

### **EFR Drilling Summary** [Appendix One: Field Logs]

Although some useful information was collected, the physical size of the drill equipment did compromise the original purpose of the drill program.

There was minimum surface disturbance; where required, cutting of trees was limited to small growth and dead vegetation. All drill casings were pulled and all seven holes were cemented.

DDH	Azimuth	Dip	EOH (m)	Samples	Total Samples	East (x)	North (y)
PR-01	120°	-45°	13.72	351535-351546	12	404,390.38	5,389,908.81
PR-02	090°	-45°	19.81	351547-351560	14	404,390.38	5,389,910.81
PR-03	080°	-45°	49.23	351501-351534	34	404,390.38	5,389,913.81
PR-04	160°	-70°	35.36	351561-351583 351600	24	404,391.88	5,389,902.81
PR-05	80°	-45°	33.83	351584-351592	9	404,768.52	5,388,496.21
PR-06	313°	-45°	52.12	351593-351599 351601-351625	32	404,684.34	5,388,534.68
PR-07	60°	-45°	122.63	351626-351677 351851-351882	84	400,073.79	5,383,761.45
<b>7 holes</b>			<b>326.7 m</b>		<b>209 samples</b>		

Projection of all holes: NAD 83, Zone 10

### 3. Core sampling and analysis

**Assay** [Appendix Two: Assay Sheets]

Core for analysis was removed from all seven holes and submitted to ALS Chemex (North Vancouver, BC). The core (BQ-36 mm O/D) was split in half mechanically using a Longyear wheeled core splitter; half returned to the core tray and the other half was placed in plastic sample bags, tagged and shipped. A total of 209 core samples were submitted for assaying. The requested procedures were ME-ICP for 27 elements, 4 acid ICP-AES and PGM-ICP23 - platinum, palladium and gold – 30 g FA-ICP. The core is stored in 25 core trays at the Loft Building, Port Renfrew Hotel (Port Renfrew, BC).

**Whole Rock** [Appendix Three: Whole Rock]

In the logging of the drill core, representative samples were removed (as noted in core tray) for a more detailed evaluation by microscopic and/or whole rock geochemistry [Appendix Three: Tables 1-4]. A total of 19 samples were analyzed by ALS Chemex (North Vancouver, BC).

There is some variance from field view through to microscopic and whole rock geochemistry studies. The predominant rock unit at the three drill sites is gabbro; this gabbro is an ultramafic rock, probably representative of a mixed magma of peridotite and anorthosite. According to Table 3 [Appendix Three], most of the test units were either *enriched* in sodium, aluminum, calcium, and/or iron - or *depleted* in magnesium, sodium, potassium, aluminum and/or silicon. Based on this experimental analysis, final conclusions are difficult to determine:

- Rock units on visual inspection may not be as they appear.
- Whole rock geochemistry should be used more often to assist in rock identification.
- Gabbro (peridotite/anorthosite) is the predominant rock unit underlying this area. The existence of gabbro explains the high magnetic response, which further supports the layered complex theory.

#### 4. Reconnaissance field geology – Karen Property [Figure I]

Over a period of eight days during April and May 2004, a **Stop Site** program was conducted by Gary Pearson (prospector), Perry Heatherington (prospector) and the author (Alasdair Mowat) in the Karen project area. The purpose of this reconnaissance program was to get a field view of the geology and determine property access. With this visual ground data, a detailed exploration program could be properly planned.

The **Stop Site** program consisted of approx. 12.5 km of road traverses designated as **A**, **B**, **C** and **D** with sequential numbered stops (42 stops in total):

Series	Total Stops	Location
A	10	West to east, along Highway #14
B	17	North up Pat Philip Creek, on the east side
C	8	Near of Helgesen Creek
D	7	Near Uglow Creek

##### **Series A Details:**

Stop #	Comments
A1	Andesitic rock exposure
A2-A4, A8-A10	Sedimentary
A5-A7**	Pyroxenite body; appears to be brecciated with massive aspects; may be a dyke or intrusive stock; overburden masks the contact with presumed Carmanah sediments

**\*\*In 2002, Gary Pearson (prospector) removed two rock samples along the north side of Highway #14, several meters past and west of Pete Wolf Creek Bridge. This outcrop exposure correlates to EFR's 2004 Stop Sites A5, A6 and A7. The unit is a dark green, medium to coarse-grained ultramafic (pyroxenite?) with visible fine to medium-grained disseminations of pyrite, chalcopyrite (1-3%?) that assayed up to 250 ppb palladium (Pearson; 2002).**

##### **Series B Details:**

Stop #	Comments
B1-B6	Predominantly mafic (andesitic), altered and sheared; strike +/- 120° dipping north; presents of sulphides py +/- po +/- cpy from trace~2% as disseminations, blebs and/or thin veneer coatings on slip planes
B7-B11	Medium to coarse-grained, weakly to moderately magnetic magnetite
B12-B17	Andesitic to basaltic outcrops, similar to stops B1-B6

**Series C Details:**

<b>Stop #</b>	<b>Comments</b>
C1-C2	Sediments; possible mafic tuff?
C4-C6	Related to mafic/ultramafic units to the west on strike
C7-C8	Exposures of diorite/gabbro, similar to stops B7-B11

**Series D Details:**

<b>Stop #</b>	<b>Comments</b>
D1	Sediments
D2-D4	Altered mafics (andesite)
D5-D6	Exposures of gabbro
D7	Mafic volcanic rocks

In 2003, EFR had ten heavy mineral stream samples and several silt samples taken from the southerly flowing creeks along the east-trending Highway #14 (strike length approx. 4 km). Six of the samples returned significant gold values (5.04 to 22.38 grams). One silt sample was anomalous in gold (113 ppb), and another in platinum. The majority of the samples were also anomalous in copper. Based on this previous work and the 2004 **Stop Site** program observations, the source of the gold on the Karen property is probably related to the Metchosin Volcanic Complex of basalts and intrusive gabbros. (The Carmanah Sedimentary Group lying to the south has also been suggested as a possible source.)

Plausible suggestions relating to gold:

- The volcanic complex is the source with the development of placer deposits (Paleoplacers) within the overlying sedimentary terrain, broken down by erosion and remobilizing the gold.
- As at stops A5 to A7, ultramafic intrusions may have introduced gold into the sedimentary domain by means of quartz veins which have eroded and subsequently released their gold content.

With the completion of the 2004 spring program, the northerly-trending timber roads and their tributaries can be used as survey grid lines; fortunately, the main roads cut across stratigraphy. Future surveys could involve the taking of both litho and soil samples for multi-element analysis, which may define anomalous areas and trends for further focus.

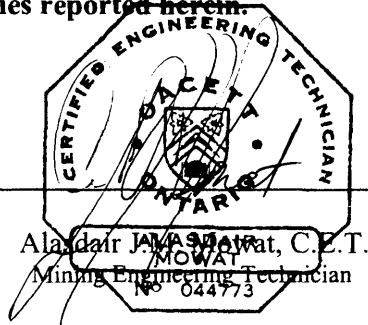


## Statement of Qualifications

I, Alasdair J. M. Mowat, of 35 Paterson Street West, Kenora, Ontario, P9N 3S1, do hereby certify that:

- I am an honors graduate from the *Haileybury School of Mines* (Haileybury, Ontario; 1970) where I successfully completed the *Mining Engineering Technician* program (consisting of courses in geology, mining and metallurgy).
- I am a *Certified Engineering Technician (C.E.T.)* in good standing with the Ontario Association of Certified Engineering Technicians and Technologist (**OACETT**).
- I have been a Mineral Exploration Consultant since graduating in 1970; my duties and responsibilities over the last 34 years have been of senior management and administration, including mine work and field geology. Professional services have been provided to Falconbridge Nickel Mines Ltd., RIOCANEX (Rio Algom), Consolidated Professor, LAC Minerals, Golden Terrace Resource Corporation and Emerald Fields Resource Corporation.
- I do have an interest in *Emerald Fields Resource Corporation (EFR)* and in the properties reported herein.

Signature: \_\_\_\_\_



Date: \_\_\_\_\_

September 23, 2004

Figure A

**PEARSON/KAREN PROJECTS**  
**Vancouver Island, BC**

**Location Map**

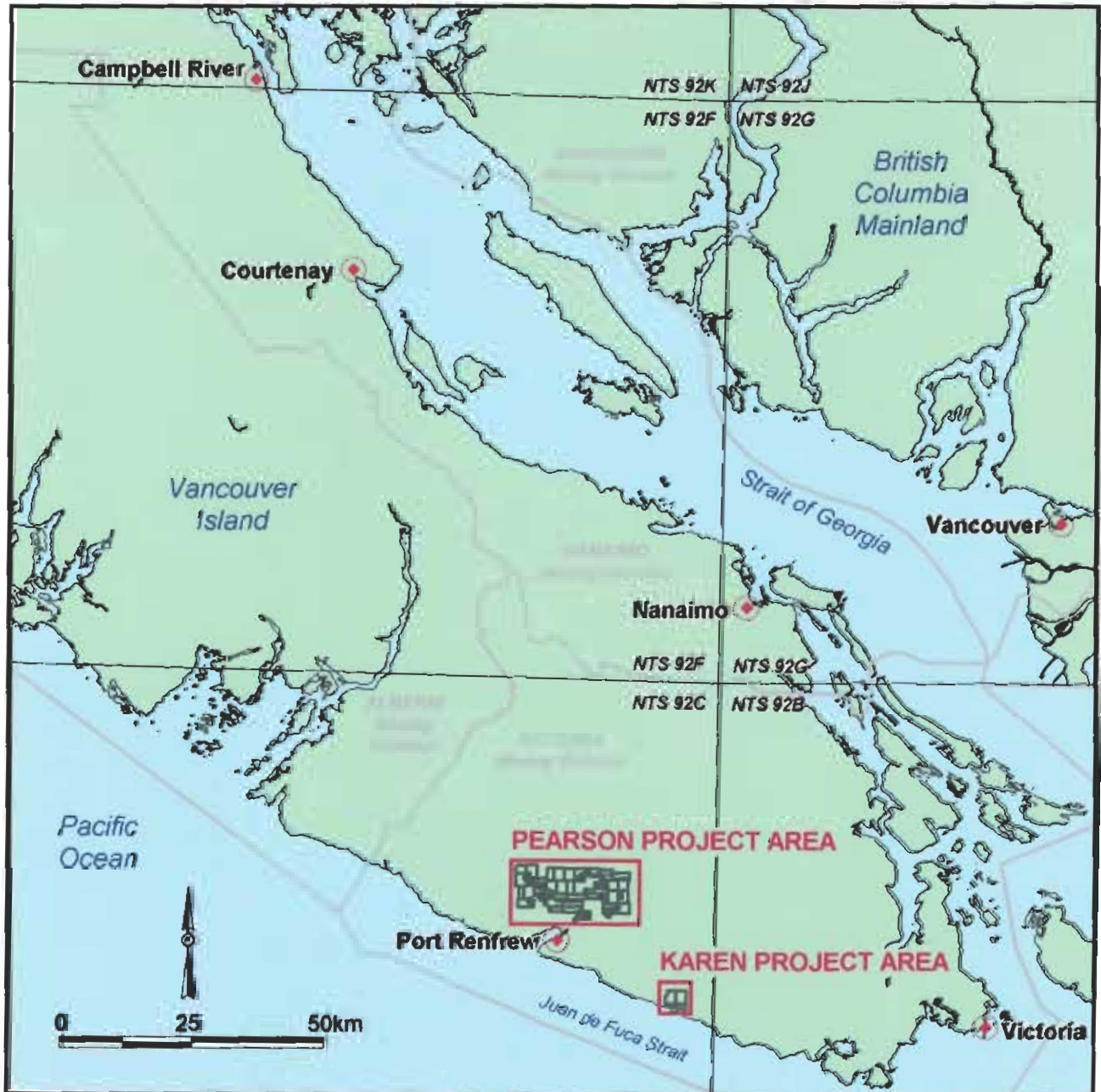


Figure B

**PEARSON/KAREN PROJECTS**  
Vancouver Island, BC

**Claim Locations**

See Figure C for Claim Listing

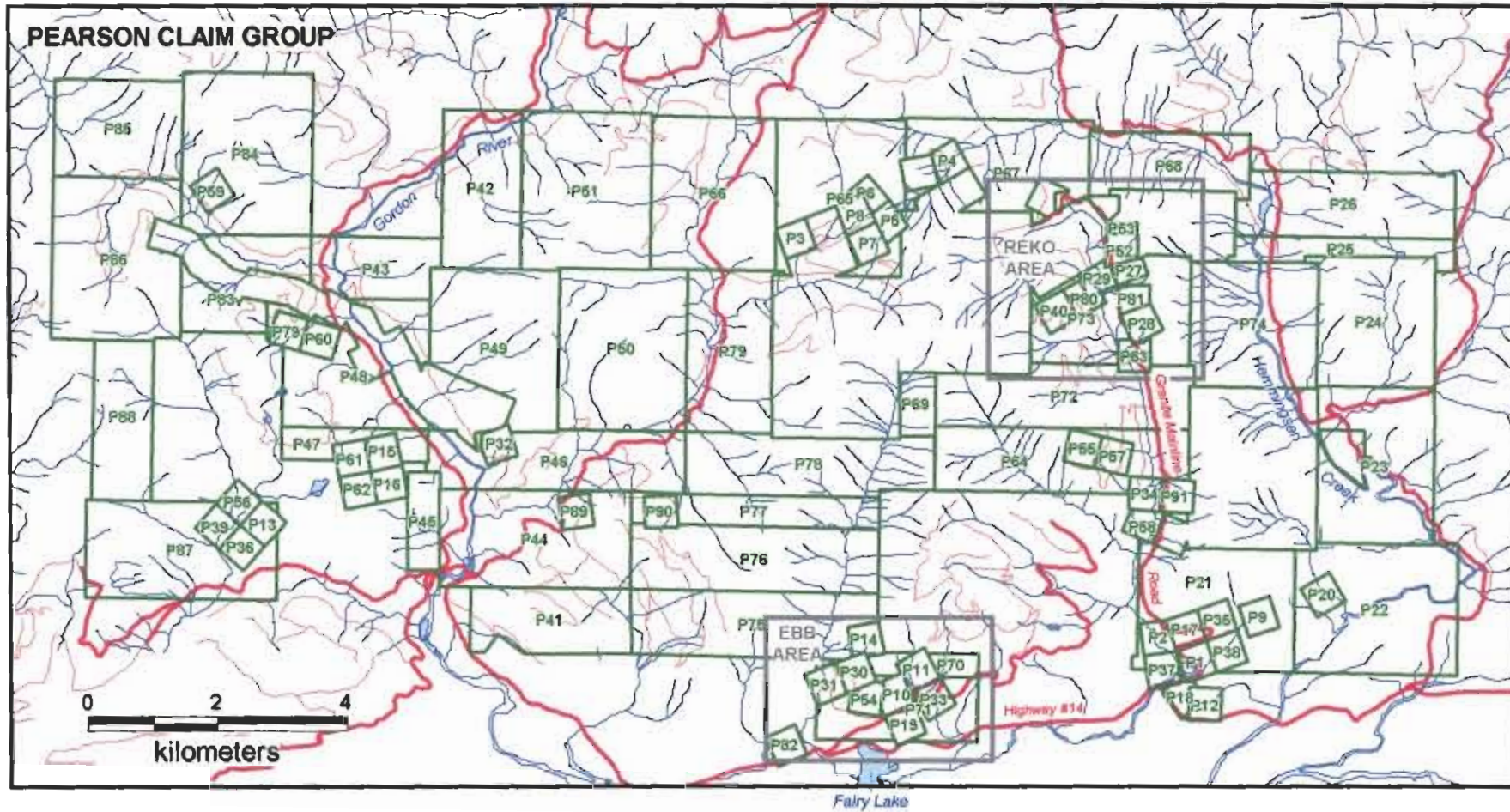


Figure B



Figure C [Part 1]

**PEARSON/KAREN PROJECTS**  
Vancouver Island, BC

**Claim List**

LABEL	TENURE	CLAIM_NAME	COMPANY	OWNER_NAME	PROJECT
K1	395160	KAREN 1	Option	Gary Pearson	Karen
K2	395194	KAREN 2	Emerald Fields	Emerald Fields	Karen
K3	395203	KAREN 3	Emerald Fields	Emerald Fields	Karen
K4	395204	KAREN 4	Emerald Fields	Emerald Fields	Karen
K5	395205	KAREN 5	Emerald Fields	Emerald Fields	Karen
P1	374411	BINGO	Option	Gary Pearson	Pearson
P2	377112	CEDAR	Option	Gary Pearson	Pearson
P3	390304	COHO	Option	Gary Pearson	Pearson
P4	390462	COHO #4	Option	Gary Pearson	Pearson
P5	390463	COHO #5	Option	Gary Pearson	Pearson
P6	390464	COHO #6	Option	Gary Pearson	Pearson
P7	390305	COHO 2	Option	Gary Pearson	Pearson
P8	390306	COHO 3	Option	Gary Pearson	Pearson
P9	374714	DAN 1	Option	Gary Pearson	Pearson
P10	378825	DAN 10	Option	Gary Pearson	Pearson
P11	378826	DAN 11	Option	Gary Pearson	Pearson
P12	374410	DAN 2	Option	Gary Pearson	Pearson
P13	378448	DAN 3	Option	Gary Pearson	Pearson
P14	375070	DAN 4	Option	Gary Pearson	Pearson
P15	375324	DAN 5	Option	Gary Pearson	Pearson
P16	375325	DAN 6	Option	Gary Pearson	Pearson
P17	376819	DAN 7	Option	Gary Pearson	Pearson
P18	377111	DAN 8	Option	Gary Pearson	Pearson
P19	378824	DAN 9	Option	Gary Pearson	Pearson
P20	394701	EFR	Emerald Fields		Pearson
P21	395053	EFR 1	Emerald Fields		Pearson
P22	395054	EFR 2	Emerald Fields		Pearson
P23	395055	EFR 3	Emerald Fields		Pearson
P24	395056	EFR 4	Emerald Fields		Pearson
P25	395119	EFR 5	Emerald Fields		Pearson
P26	395120	EFR 6	Emerald Fields		Pearson
P27	370610	GALLEON 53	Option	Gary Pearson	Pearson
P28	372333	GALLEON 54	Gary Pearson	Gary Pearson	Pearson
P29	373716	GALLEON 57	Option	Gary Pearson	Pearson
P30	373375	GALLEON 70	Option	Gary Pearson	Pearson
P31	373376	GALLEON 71	Option	Gary Pearson	Pearson
P32	360704	GALLEON 8-3	Option	Gary Pearson	Pearson
P33	374247	GALLEON 80	Option	Gary Pearson	Pearson
P34	379144	GHOST	Option	Gary Pearson	Pearson
P35	378447	JACK	Option	Gary Pearson	Pearson
P36	378451	JACK 2	Option	Gary Pearson	Pearson
P37	377113	JAN 7	Option	Gary Pearson	Pearson
P38	378446	JAN 8	Option	Gary Pearson	Pearson
P39	378450	JAN 8	Option	Gary Pearson	Pearson
P40	381143	JAY JAY	Option	Gary Pearson	Pearson
P41	394833	NABAY 1	Emerald Fields	Emerald Fields	Pearson
P42	394992	NABAY 10	Emerald Fields	Emerald Fields	Pearson
P43	394969	NABAY 11	Emerald Fields	Emerald Fields	Pearson
P44	394880	NABAY 2	Emerald Fields	Emerald Fields	Pearson
P45	394893	NABAY 3	Emerald Fields	Emerald Fields	Pearson

Emerald  
Fields  
Resource  
Corporation

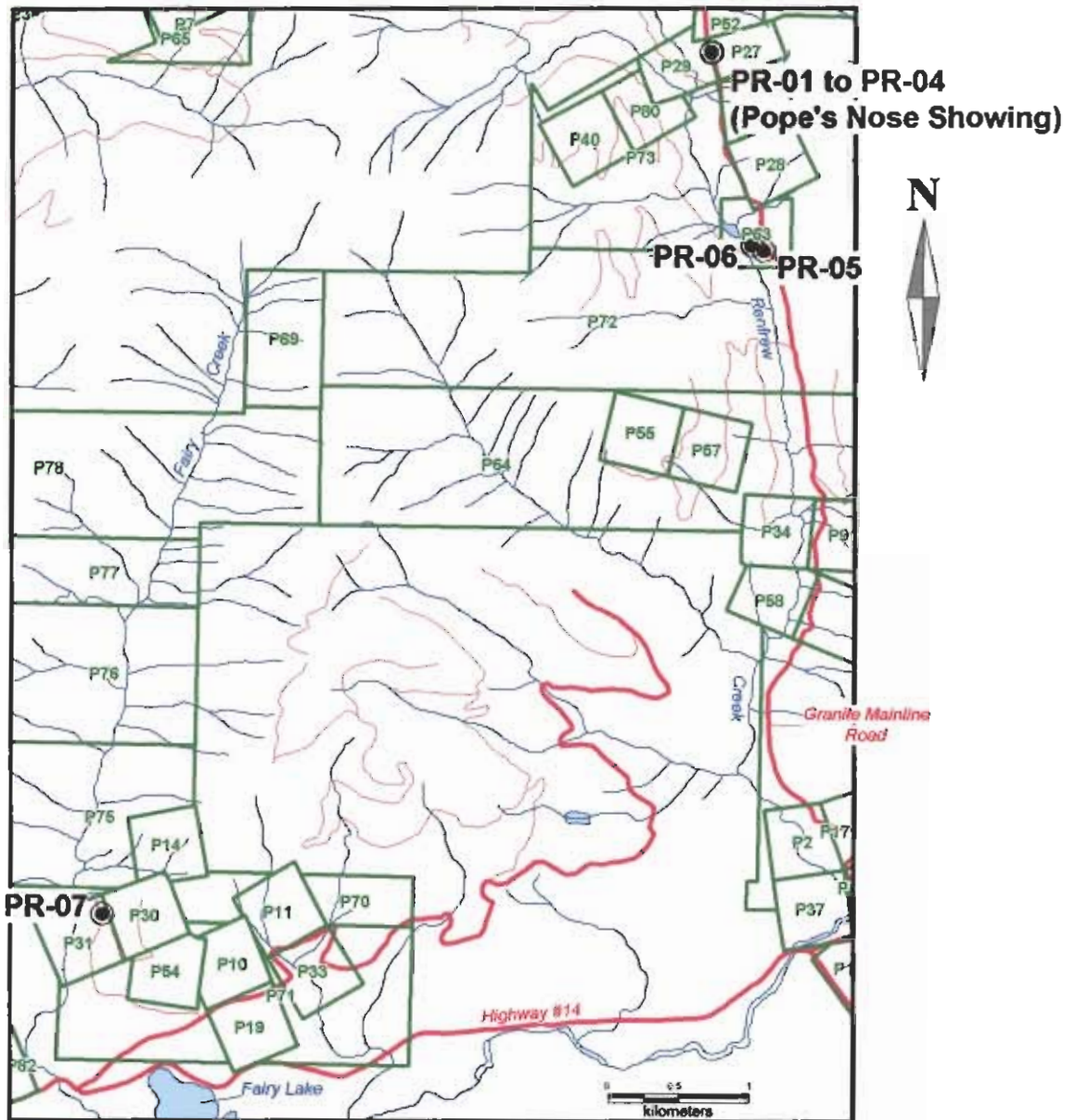
**Figure C [Part 2]**

<b>LABEL</b>	<b>TENURE</b>	<b>CLAIM_NAME</b>	<b>COMPANY</b>	<b>OWNER_NAME</b>	<b>PROJECT</b>
P46	394896	NABAY 4	Emerald Fields	Emerald Fields	Pearson
P47	394894	NABAY 5	Emerald Fields	Emerald Fields	Pearson
P48	394895	NABAY 6	Emerald Fields	Emerald Fields	Pearson
P49	394897	NABAY 7	Emerald Fields	Emerald Fields	Pearson
P50	394898	NABAY 8	Emerald Fields	Emerald Fields	Pearson
P51	394991	NABAY 9	Emerald Fields	Emerald Fields	Pearson
P52	408828	NOSE	Emerald Fields	Emerald Fields	Pearson
P53	409241	NOSE 2	Emerald Fields	Emerald Fields	Pearson
P54	374409	OBIN	Option	Gary Pearson	Pearson
P55	379146	OUTHOUSE	Option	Gary Pearson	Pearson
P56	378449	PACMIST 2	Option	Gary Pearson	Pearson
P57	379145	PACMIST 3	Option	Gary Pearson	Pearson
P58	379142	PACMIST 4	Option	Gary Pearson	Pearson
P59	379328	PRINCESS	Option	Gary Pearson	Pearson
P60	379889	PRINCESS 2	Option	Gary Pearson	Pearson
P61	374615	RALPH 1	Option	Gary Pearson	Pearson
P62	374614	RALPH 2	Option	Gary Pearson	Pearson
P63	394702	RAN	Emerald Fields	Emerald Fields	Pearson
P64	394703	RAN 1	Emerald Fields	Emerald Fields	Pearson
P65	395048	RAN 10	Emerald Fields	Emerald Fields	Pearson
P66	395049	RAN 11	Emerald Fields	Emerald Fields	Pearson
P67	395050	RAN 12	Emerald Fields	Emerald Fields	Pearson
P68	395051	RAN 13	Emerald Fields	Emerald Fields	Pearson
P69	395052	RAN 14	Emerald Fields	Emerald Fields	Pearson
P70	395161	RAN 15	Emerald Fields	Emerald Fields	Pearson
P71	395162	RAN 16	Emerald Fields	Emerald Fields	Pearson
P72	394704	RAN 2	Emerald Fields	Emerald Fields	Pearson
P73	394705	RAN 3	Emerald Fields	Emerald Fields	Pearson
P74	394706	RAN 4	Emerald Fields	Emerald Fields	Pearson
P75	394834	RAN 5	Emerald Fields	Emerald Fields	Pearson
P76	394835	RAN 6	Emerald Fields	Emerald Fields	Pearson
P77	394881	RAN 7	Emerald Fields	Emerald Fields	Pearson
P78	394890	RAN 8	Emerald Fields	Emerald Fields	Pearson
P79	395047	RAN 9	Emerald Fields	Emerald Fields	Pearson
P79	379890	ROCCOD	Option	Gary Pearson	Pearson
P80	381142	TIMBER	Option	Gary Pearson	Pearson
P81	373128	TOD 2	Emerald Fields	Emerald Fields	Pearson
P82	379330	TOD ONE	Emerald Fields	Emerald Fields	Pearson
P83	394967	ULTRA 1	Emerald Fields	Emerald Fields	Pearson
P84	394968	ULTRA 2	Emerald Fields	Emerald Fields	Pearson
P85	394989	ULTRA 3	Emerald Fields	Emerald Fields	Pearson
P86	394990	ULTRA 4	Emerald Fields	Emerald Fields	Pearson
P87	395057	ULTRA 5	Emerald Fields	Emerald Fields	Pearson
P88	395058	ULTRA 6	Emerald Fields	Emerald Fields	Pearson
P89	385855	WHISTLE 1	Option	Gary Pearson	Pearson
P90	386342	WHISTLE 2	Option	Gary Pearson	Pearson
P91	379143	WOODY	Option	Gary Pearson	Pearson

Figure D

**PEARSON/KAREN PROJECTS**  
Vancouver Island, BC

**Diamond Drilling on Pearson Claim Group**



	EFR Claims
	Roads, paved
	Roads, gravel
	Lakes
	Rivers

**EFR Diamond Drilling**

PR-01	Claim: Galleon 53 [P27]
PR-02	Claim: Galleon 53 [P27]
PR-03	Claim: Galleon 53 [P27]
PR-04	Claim: Galleon 53 [P27]
PR-05	Claim: RAN [P63]
PR-06	Claim: RAN [P63]
PR-07	Claim: Galleon 71 [P31]

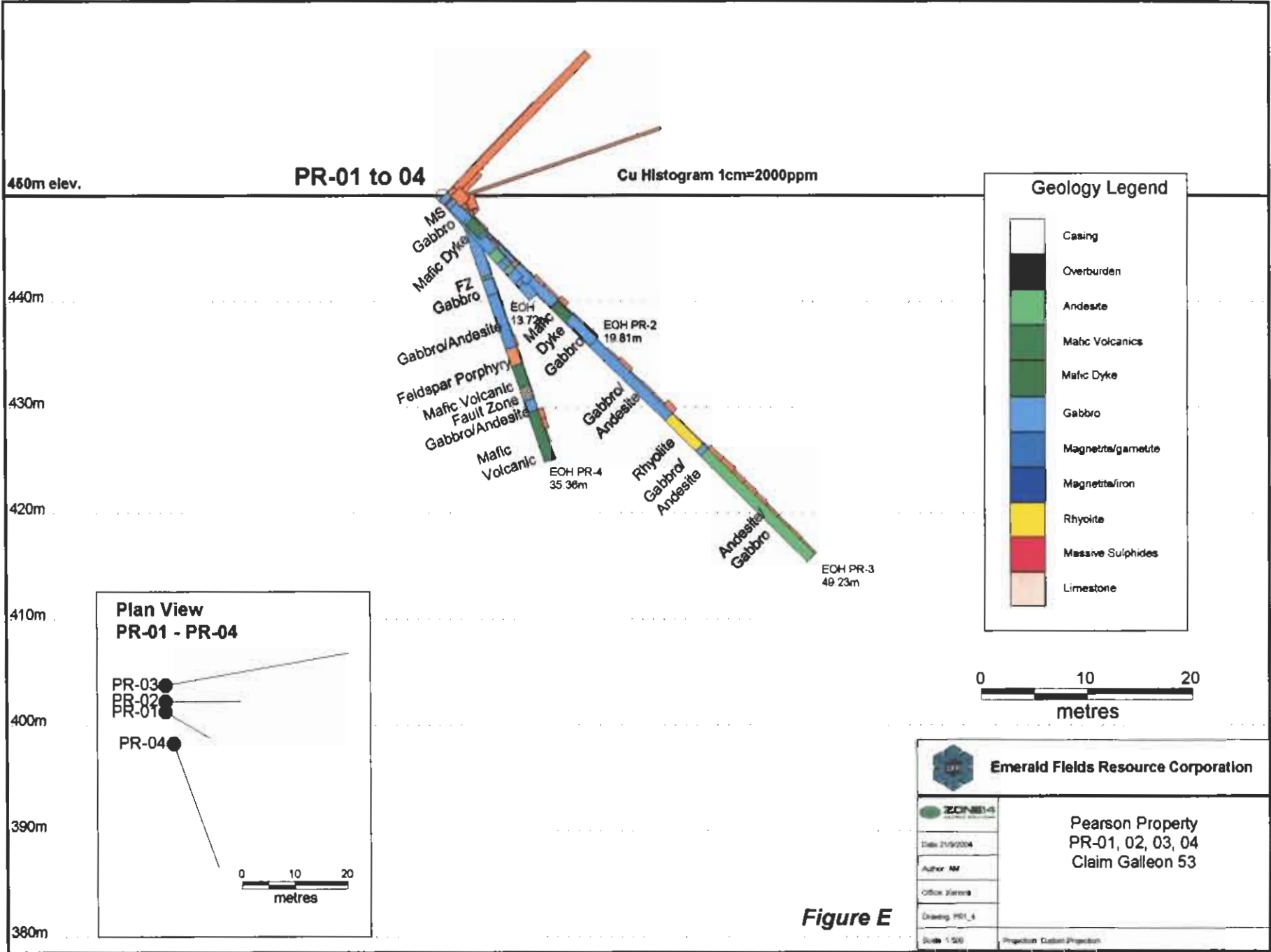
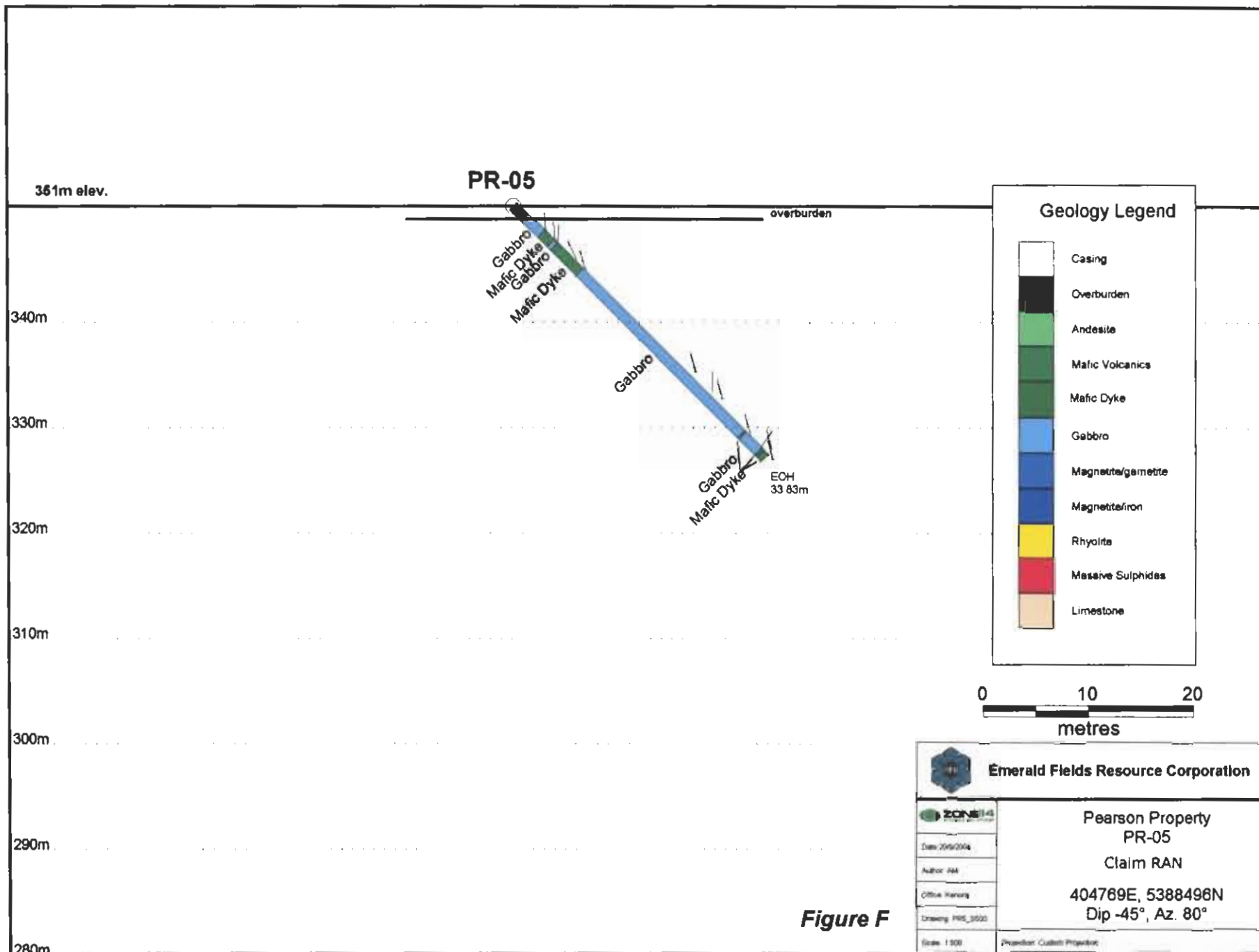
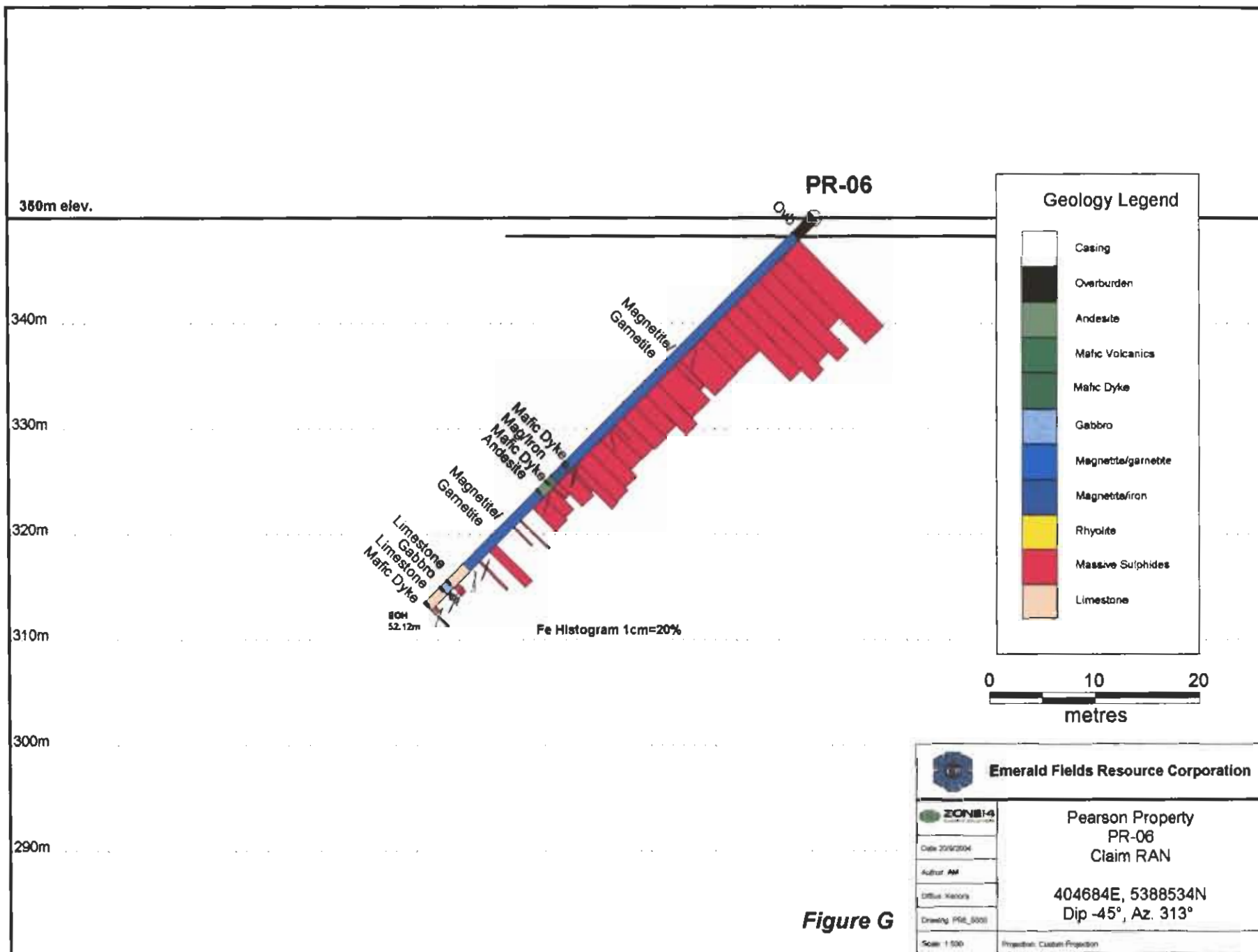


Figure E

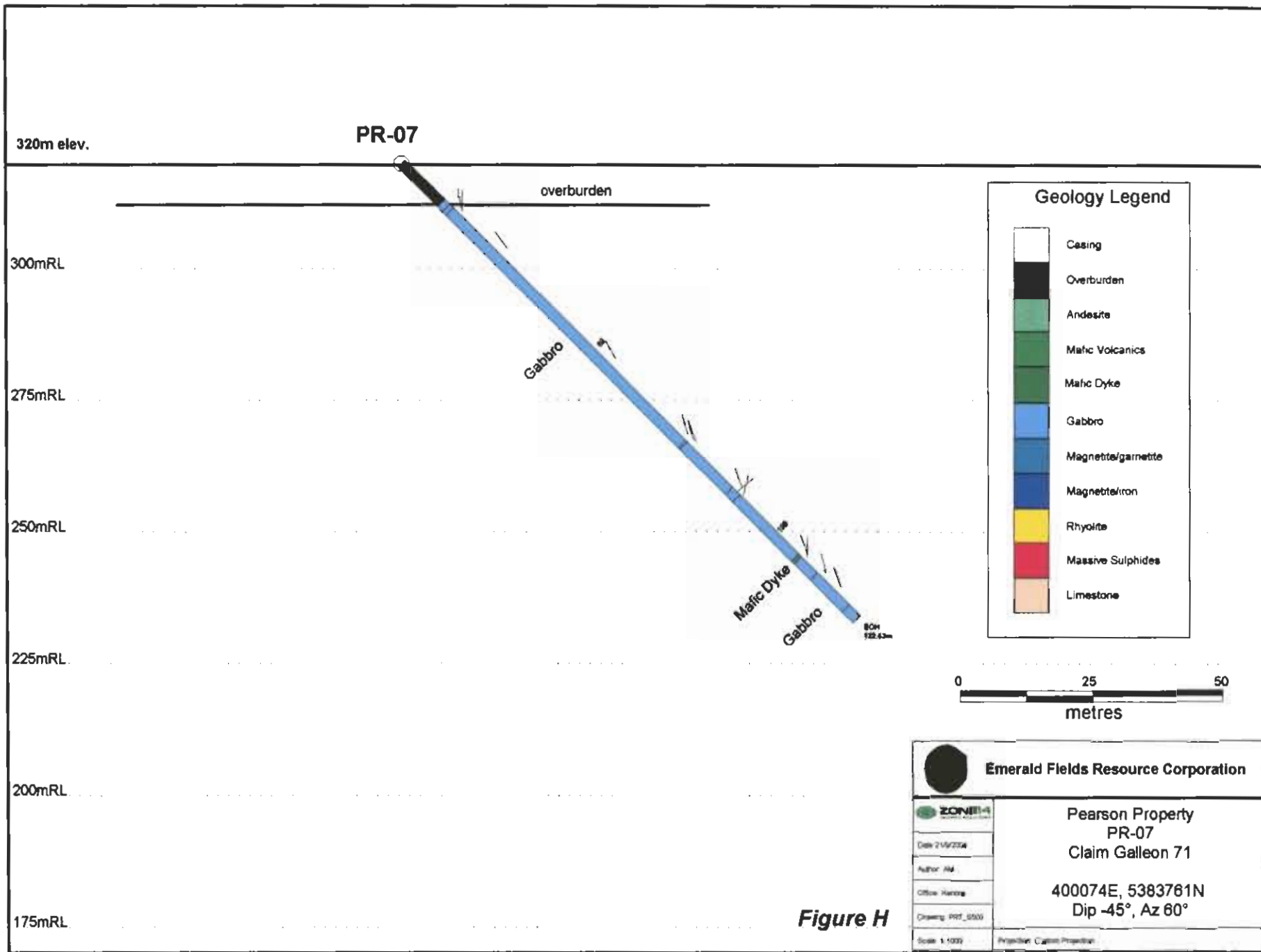


**Figure F**





**Figure G**



**Figure H**

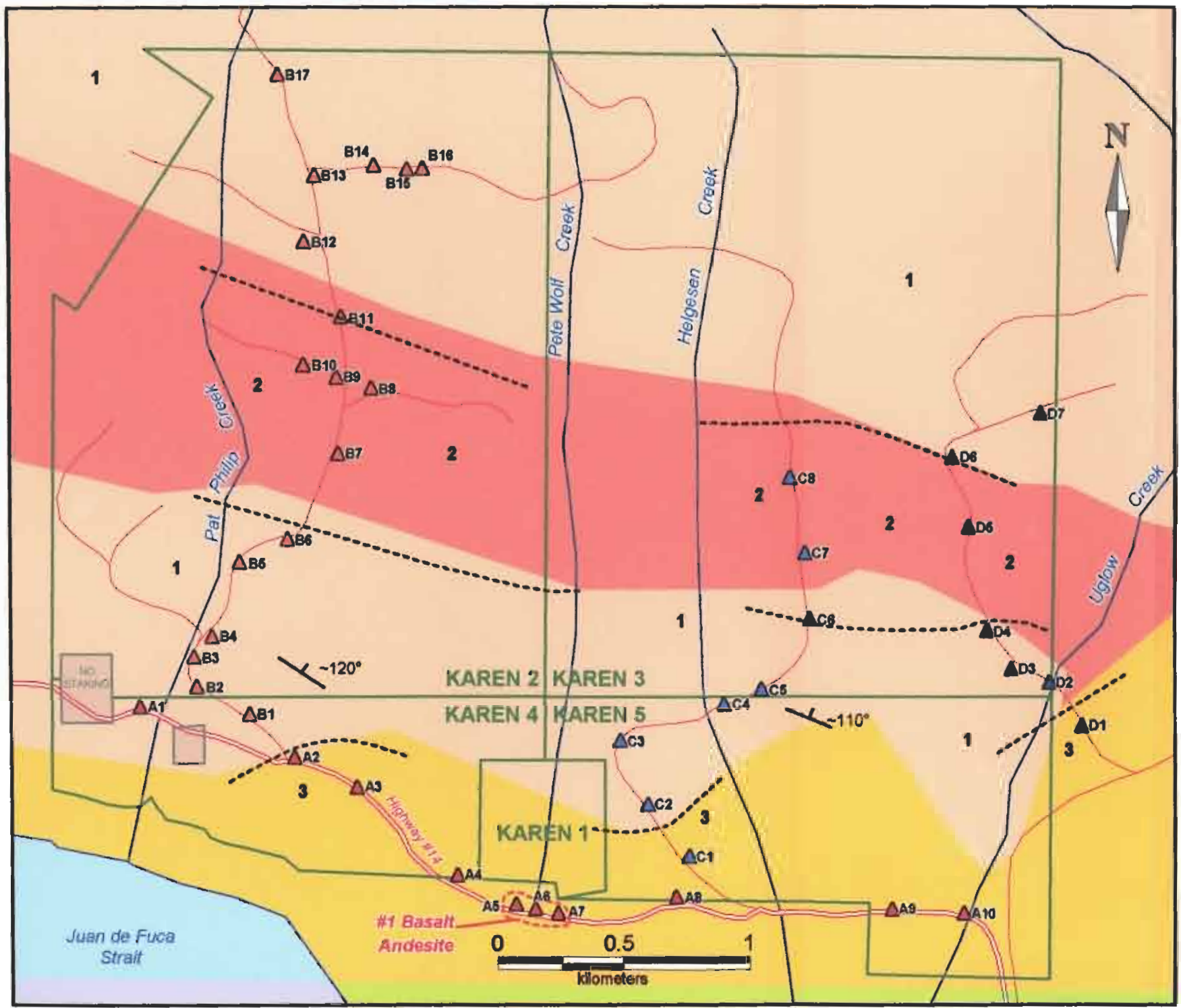


Figure 1

**KAREN PROJECT**  
Vancouver Island, BC

**2004 Reconnaissance**  
**Field Work**

Scale 1:20,000

	EFR Claims
	Mineral Reserves: No Staking
	EFR Field Stops: A Series
	EFR Field Stops: B Series
	EFR Field Stops: C Series
	EFR Field Stops: D Series
	Roads, unpaved
	Roads, paved
	Rivers/Creeks
	Water Body

**Carmanah Group**

	<b>3</b> Undivided sedimentary rocks
--	--------------------------------------

**Metchosin Igneous Complex**

	<b>2</b> Dioritic to gabbroic intrusive rocks (Sooke)
	<b>1</b> Basaltic volcanic rocks

----- Assumed geological contact (EFR interpretation)



**EMERALD FIELDS  
RESOURCE CORPORATION**

**PEARSON/KAREN PROPERTY  
Vancouver Island, BC**

**DIAMOND DRILLING and GEOLOGY  
ASSESSMENT REPORT**

**September 2004**

**APPENDIX ONE  
Field Logs**

**Holes PR-01, PR-02, PR-03, PR-04  
PR-05, PR-06 and PR-07**



Ministry of Northern Development and Mines  
Ministère du Développement du Nord et des Mines

**Diamond Drilling Journal de forage au daimant**

Complete this form and related sketch in duplicate.  
Remplir en deux exemplaires la présente formule et le croquis annexé

Fill in on every page  
Remplir ces cases à chaque page

Hole No. Forage n° PR-1  
Page No. / Page n° 1 of 2

Drilling Company Compagnie de forage <b>ADVANCED DRILLING LTD. SURREY, B.C. V4N 4G6</b> (DRILL MOUNTED ON TRACK TANK FRAME)		Collar Elevation Élévation du collier 450 m	Bearing of hole from true North/Position du forage par rapport au nord vrai 120°	Total Footage Avancement total du forage 13.72	Dip of Hole at Inclinaison du forage au Collar/collier 45 13.72 R/P N/A	Address/Location where core stored Adresse/endroit où la carotte est stockée NET LOFT BUILDING, PORT RENFREW HOTEL, PORT RENFREW, VANCOUVER IS., B.C. (BQ - Ø0.36mm)	Map Reference No. N° de référence sur la carte M092C069	Claim No. N° de concession minière GALLEON 53 (Tenure 370610)
Date Hole Started Date de commencement du forage APRIL 9TH, 2004	Date Completed Date d'achèvement APRIL 9TH, 2004	Date Logged Date d'inscription au journal APRIL 10 <sup>th</sup>	Logged by Inscrit par A.J.M. MOWAT. C.E.T.	Submitted by (Signature) Déposé par (Signature) 		Location (Twp, Lot, Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude) VICTORIA MINING DIVISION VANCOUVER ISLAND, B.C. ZONE 10 - NAD 83 49° 39' 38" N by 53° 33' 208.81 W Property Name Nom de la propriété PEARSON PROPERTY (PORT RENFREW AREA)		
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option EMERALD FIELDS RESOURCE CORPORATION KENORA, ONTARIO P9N 2K2		Date submitted Date de dépôt SEPTEMBER 15TH, 2004						

Footage/Avancement		Rock type	Description (Colour, grain size, texture, minerals, alteration, etc.)	Planar Features Angle/Virage des caractéristiques planes	WALL ROCK ANALYSIS	Yield Sample No. N° d'échantillon du prospecteur	Sample Footage/Avancement de forage From/De To/A	Sample Length Longueur de l'échantillon	Assays/Analyses minéralogiques
From/De	To/A	Type de roche	Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)				From/De To/A	in mètres	(See page 2 of 2)
0.00	7.53	GABBRO	Dark grey, med. to coarse grained, porphyritic texture with light grey, med. grained sections - fragmented weakly to moderately carbonated with weak to moderately magnetitic sections (pa). Ground blocky 0.00 to 0.30 highly chloritized (shear zone?)	7/30		351535	0.00 0.46	0.46	CORE BOX #1
						- 36	0.46 1.98	1.52	
						- 37	1.98 3.51	1.53	
						- 38	3.51 5.03	1.52	
						- 39	5.03 6.55	1.52	
						- 40	6.55 7.53	0.98	CORE BOX #1 & #2
7.53	8.84	ANDESITE	Dark green, fine grained - coarsening down hole. Mottled in appearance. Slightly carbonated. Possible xenolith or dyke? Top contact @	30		351541	7.53 8.84	1.31	CORE BOX #2
8.84	9.75	GABBRO	Similar to section 0.00 to 7.53 above. Increase coarsening to bottom, more altered & chloritic	35		351542	8.84 9.75	0.91	CORE BOX #2
9.75	10.36	ANDESITE	Dark green, fine grained massive dyke	45		351543	9.75 10.36	0.61	CORE BOX #2

0204 (03/91)

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core.

\*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

†Additional credit available. See Assessment Work Regulation.

†Des crédits supplémentaires sont offerts. Consulter les règlements relatifs aux travaux d'évaluation.

Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.



Ministry of Northern Development and Mines  
Ministère du Développement du Nord et des Mines

**Diamond Drilling Log**  
**Journal de forage au daimant**

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Hole No. Forage n° PR-1  
Page No. / Page n° 2 of 2  
(CONT'D)

Drilling Company Compagnie de forage		Collar Elevation Élévation du collier	Bearing of hole from true North/Position du forage par rapport au nord vrai	Total Footage Avancement total du forage	Dip of Hole at Inclinaison du forage au Collar/collier	Address/Location where core stored Adresse/endroit où la carotte est stockée	Map Reference No. N° de référence sur la carte	Claim No. N° de concession minière
Date Hole Started Date de commencement du forage	Date Completed Date d'achèvement	Date Logged Date d'inscription au journal	Logged by Inscrit par A.J.M. MOWAT, C.E.T.		F/L/P		Location (Twp, Lot, Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude)	
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option		Date submitted Date de dépôt	Submitted by (Signature) Déposé par (signature) <i>A.J.M. Mowat</i>		F/L/P		Property Name Nom de la propriété	

Footage/Avancement		Rock type Type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Features Angle/Angle des caractéristiques planes	W/B/L/E S&C ANALYSIS	Yield Sample No. N° d'échantillon de la carotte	Sample Footage/Interval Intervalle de forage		Sample Length Longueur de la carotte	Assays/Analyses minéralurgiques
From/De	To/A						From/De	To/A		
10.36	11.46	GABBRO	Similar to section 0.00 to 7.53 above with mafic fragment. Bottom contact	45		351544	10.36	11.46	1.10	CORE BOX #2
11.46	11.98	GABBRO (?)	Grey-green, mottled, coarse grained dyke (?), chlorititic - Top contact @ - Bottom contact @	45 45		351545	11.46	11.98	0.52	CORE BOX #2
11.98	13.72	RHYOLITE (?)	Light grey, very fine grained massive, with (dentritic) fine hair line dark fracturing - tourmaline			351546	11.98	13.72	1.74	CORE BOX #2
13.72			End of hole (E.O.H.)							

0204 (03/91)

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core.

\*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

†Additional credit available. See Assessment Work Regulation.

†Des crédits supplémentaires sont offerts. Consulter les règlements relatifs aux travaux d'évaluation.  
Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.

NOTES: ANALYSIS BY ALS Chemex, NORTH VANCOUVER, B.C. V7J 2C1 (PROCEDURES PGM-ICP23 - Pt, Pd, Au 30 g FA / ICP & ME-ICP61 - 27 element four acid ICP-AES)



Ministry of Northern Development and Mines  
Ministère du Développement du Nord et des Mines

**Diamond Drilling Log**  
**Journal de forage au diamant**

Complete this form and related sketch in duplicate.  
Remplir en deux exemplaires la présente formule et le croquis annexé

Fill in on every page  
Remplir ces cases à chaque page

Hole No. / Forage n°	Page No. / Page n°
PR-2	1 of 3

Drilling Company Compagnie de forage <b>ADVANCE DRILLING LTD. SURREY, B.C. V4N 4G6</b> <b>(DRILL MOUNTED ON TRACK TANK FRAME)</b>	Collar Elevation Élévation du collier <b>+/- 450 m</b>	Bearing of hole from true North/Position du forage par rapport au nord vrai <b>090°</b>	Total Footage Avancement total du forage <b>19.81 m</b>	Dip of Hole at Inclinaison du forage au Collar/collier <b>45</b>	Address/Location where core stored Adresse/endroit où la carotte est stockée <b>NET LOFT BUILDING, PORT RENFREW HOTEL, PORT RENFREW, VANCOUVER IS., B.C.</b> <b>BQ - ØD-36 mm</b>	Map Reference No. N° de référence sur la carte <b>M092C069</b>	Claim No. N° de concession minière <b>GALLEON 53 (TENURE 370610)</b>
Date Hole Started Date de commencement du forage <b>APRIL 9TH, 2004</b>	Date Completed Date d'achèvement <b>APRIL 9TH, 2004</b>	Date Logged Date d'inscription au journal <b>APRIL 10TH</b>	Logged by Inscrit par <b>A.J.M. MOWAT, C.E.T.</b>	<b>19.81 m</b> / <b>N/A</b>		Location (Twp. Lot. Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude) <b>VICTORIA MINING DIVISION VANCOUVER ISLAND, B.C. ZONE 10 - NAD 83 404 390.38E by 5389.2 .81N</b>	Property Name Nom de la propriété <b>PEARSON PROPERTY (PORT RENFREW AREA)</b>
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option <b>EMERALD FIELDS RESOURCE CORPORATION KENDRA, ONTARIO P9N 2K2</b>	Date submitted Date de dépôt <b>SEPTEMBER 15TH, 2004</b>	Submitted by (Signature) Déposé par (signature) 					

Footage/Avancement		Rock type	Description (Colour, grain size, texture, minerals, alteration, etc.)	Planar Features Angle/angle des caractéristiques planes	WHOLE ROCK ANALYSIS	Your Sample No. N° d'échantillon du propriétaire	Sample Footage/Avance de prélèvement de l'échantillon	Sample Length Longueur de l'échantillon	Assays/Analyses minéralurgiques
From/De	To/À	Type de roche	Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)				From/De	To/À	(See page 3)
0.00	0.79	GABBRO	Dark green, chloritized (altered) with black py & cp			351547	0.00	0.79	0.79 CORE BOX #1
0.79	1.31	ANDESITE	Green, fine grained, massive, chloritic altered dyke (?) Possible xenolith (?) - Top contact @ - Bottom contact - hackly @ (erratic)	30 15		351548	0.79	1.31	0.52 CORE BOX #1
1.31	3.05	GABBRO	Dark grey, medium to coarse grained, porphyritic in appearance (fragments / flow breccia ?)			351549	1.31	3.05	1.74 CORE BOX #1
3.05	3.38	MAFIC DYKE (?)	Medium grained, green dyke (?) or xenolith (?) altered (weakly carbonated) - Top Contact @ - Bottom Contact @	70 70		351550	3.05	3.38	0.33 CORE BOX #1

0204 (03/91)

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core.  
\*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

†Additional credit available. See Assessment Work Regulation.  
†Des crédits supplémentaires sont offerts. Consulter les règlements relatifs aux travaux d'évaluation.  
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Ministry of Northern Development and Mines  
Ministère du Développement du Nord et des Mines

**Diamond Drilling Log**  
**Journal de forage au daimant**

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Hole No. Forage n°  
PR-2  
(CONT'D)

Page No. / Page n°  
2 of 3

Drilling Company Compagnie de forage		Collar Elevation Élévation du collier	Bearing of hole from true North/Position du forage par rapport au nord vrai	Total Footage Avancement total du forage	Dip of Hole at Inclinaison du forage au Collar/collier	Address/Location where core stored Adresse/endroit où la carotte est stockée		Map Reference No. N° de référence sur la carte	Claim No. N° de concession minière		
Date Hole Started Date de commencement du forage	Date Completed Date d'achèvement	Date Logged Date d'inscription au journal	Logged by Inscrit par A.J.M. MOWAT, C.E.T.	FL/PI	FL/PI	Location (Twp, Lot, Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude)					
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option EMERALD FIELDS RESOURCE CORPORATION		Date submitted Date de dépôt	Submitted by (Signature) Déposé par (signature) <i>A.J.M. Mowat</i>	FL/PI	FL/PI	Property Name Nom de la propriété PEARSON PROPERTY (PORT RENFREW AREA)					
Footage/Avancement		Rock type Type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)			Plane Feature Angle/Angle des caractéristiques planes	WHOLE ROCK ANALYSIS	Your Sample No. N° d'échantillon du prospecteur	Sample Footage/Traverse de prélèvement de l'échantillon	Sample Length Longueur de l'échantillon	Assays/Analyses minéralurgiques
3.38	5.18	ANDESITE	Refer to 0.79 to 1.31 above					351551	3.38 5.18	1.8	CORE BOX #1
5.18	14.63	GABBRO	Dark grey, medium grained, porphyritic appearance weakly carbonated - Top contact @ - Bottom contact @			30 45	351554	-53 -54 -55 -56 -57	5.18 6.71 6.71 8.23 8.23 9.76 9.76 11.28 11.28 12.80 12.80 14.63	1.53 1.52 1.53 1.52 1.83	CORE BOX #1 CORE BOX #2 CORE BOX #2 & #3
14.63	15.54	MAFIC DYKE	Altered light grey-green with epidote + sulphides, fine to medium fine grained, chilled contacts - Top contact @ - Bottom contact @			30 40		351558	14.63 15.54	0.91	CORE BOX #3
15.54	19.81	GABBRO	As 5.18 to 14.63 above					351559	15.54 17.07 - 60 17.07 19.81	1.53 2.73	CORE BOX #3 CORE BOX #3

0204 (03/91)

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core.

\*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

†Additional credit available. See Assessment Work Regulation.

†Des crédits supplémentaires sont offerts. Consulter les règlements relatifs aux travaux d'évaluation.

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Ministère du Développement du Nord et des Mines

**Diamond Drilling Log**

**Journal de forage au daimant**

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Hole No. Forage n° PR-3  
Page No. /Page n° 1 of 4

Drilling Company Compagnie de forage <b>ADVANCED DRILLING LTD. SURREY, B.C. V4N 4G6</b> (DRILL MOUNTED ON TRACK TANK FRAME)		Collar Elevation Élévation du collier +/- 450 <sup>m</sup>	Bearing of hole from true North/Position du forage par rapport au nord vrai 080°	Total Footage Avancement total du forage 49.23 <sup>m</sup>	Dip of Hole at Inclinaison du forage au Collar/collier 45	Address/Location where core stored Adresse/endroit où la carotte est stockée NET LOFT BUILDING, PORT RENFREW HOTEL, PORT RENFREW, VANCOUVER IS., B.C.  (BQ - Ø D. 36 mm)	Map Reference No. N° de référence sur la carte M092C063	Claim No. N° de concession minière GALLEON 53 (Tenure 370610)
Date Hole Started Date de commencement du forage APRIL 9 <sup>TH</sup> , 2004	Date Completed Date d'achèvement APRIL 10 <sup>TH</sup> , 2004	Date Logged Date d'inscription au journal APRIL 11 <sup>TH</sup>	Logged by Inscrit par A. J. M. MOWAT, C.E.T.		49.23 FLPI N/A		Location (Twp. Lot, Con. or Lat and Long.) Emplacement (canton, lot, concession, ou latitude et longitude) VICTORIA MINING DIVISION VANCOUVER ISLAND, B.C. ZONE 10 - NAD 83 404.390.38E by 5,389.9 .81N	Property Name Nom de la propriété PEARSON PROPERTY (PORT RENFREW AREA)
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option EMERALD FIELDS RESOURCE CORPORATION KENDRA, ONTARIO P9N 2K2		Date submitted Date de dépôt	Submitted by (Signature) Déposé par (signature) <i>A. J. M. Mowat</i>		FLPI			
					FLPI			

Footage/Avancement		Rock type Type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Core Features Angle/Angle des caractéristiques mm	WHOLE ROCK ANALYSIS	Your Sample No. N° d'échantillon du prospecteur	Sample Footage/Prélevement de l'échantillon From/De To/A	Sample Length Longueur de l'échantillon	Assays/Analyses minéralurgiques (See page 4)
0.00	0.79	MASSIVE SULPHIDES	Blebs and stringers of po, cpy (+/- 65%) - Ground mass is fine grained, dark green - epidote and chlorite alteration. - bottom contact @	10		351501	0.00 0.79	0.79	Box # 1
0.79	5.49	GABBRO	Grey, porphyritic texture with dark wispy hairline stringers (Ternmaline), fine grained disseminated sulphides (+/- 3%). Weakly to moderately carbonated - bottom contact @  - 3.93 to 4.36 m blacky with 60% andesite (?) fragments	20		351502	0.79 2.99 -503 2.99 3.93	1.65 1.49	Box # 1 +
						351504	3.93 4.36 -505 4.36 5.49	0.43 1.13	Box # 1 +
5.49	11.55	GABBRO (?)	Grey, mottled with similar compositional fragments - flow breccia - bottom contact @ - fault zone @ 9.34m (25mm gouge section)	45		351506	5.49 7.01 -507 7.01 8.53 -508 8.53 9.75 -509 9.75 11.58	1.52 1.52 1.22 1.83	Box # 1 Box # 1 & # 2 Box # 2 +

0204 (03/01)

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core.  
\*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

†Additional credit available. See Assessment Work Regulation.  
†Des crédits supplémentaires sont offerts. Consulter les règlements relatifs aux travaux d'évaluation.  
Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.



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**Diamond  
Drilling  
Log**

**Journal de  
forage au  
daimant**

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Hole No. Forage n°	Page No. /Page n°
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Drilling Company Compagnie de forage		Collar Elevation Élévation du collier	Bearing of hole from true North/Position du forage par rapport au nord vrai	Total Footage Avancement total du forage	Dip of Hole at Inclinaison du forage au	Address/Location where core stored Adresse/endroit où la carotte est stockée	Map Reference No. N° de référence sur la carte	Claim No. N° de concession minière
Date Hole Started Date de commencement du forage	Date Completed Date d'achèvement	Date Logged Date d'inscription au journal	Logged by Inscrit par A.J.M. MOWAT C.E.T.	Collar/collier			Location (Twp. Lot, Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude)	
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option EMERALD FIELDS RESOURCE CORPORATION		Date submitted Date de dépôt	Submitted by (Signature) Déposé par (signature) 				Property Name Nom de la propriété PEARSON PROPERTY (PORT RENFREW AREA)	

Footage/Avancement		Rock type	Description (Colour, grain size, texture, minerals, alteration, etc.)	Plane Features Angle/angle des caractéristiques planes	WHOLE ROCK ANALYSIS	Your Sample No. N° d'échantillon du prospecteur	Sample Footage/Avancement de prélèvement de l'échantillon	Sample Length Longueur de l'échantillon	Assays/Analyses minéralurgiques
From/De	To/A	Type de roche	Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)				From/De	To/A	
11.55	14.81	ANDESITE (?) / GABBRO	Andesite (?) fragments (xenoliths) in gabbroic grey. medium grained, ground mass. Predominately fragmental - bottom contact @	30		351510	11.55 12.80	1.25	Box # 2
						-511	12.80 14.81	2.01	Box # 2 & # 3
14.81	16.67	GABBRO / ANDESITE (?)	Predominately gabbroic with odd erratic andesite (?) fragment - bottom contact @	30		351512	14.81 16.67	1.86	Box # 2
16.67	30.11	ANDESITE (?) / GABBRO	Predominately andesitic (?) with odd gabbroic section - chloritic - bottom contact @	broken		351513	16.67 18.29	1.62	Box # 3
						-514	18.29 19.81	1.52	
						351515	19.81 21.34	1.53	
						-516	21.34 22.86	1.52	
						-517	22.86 24.38	1.52	
						-518	24.38 25.91	1.53	T
						-519	25.91 27.43	1.52	Box # 3 & # 4
						-520	27.43 28.96	1.53	Box # 4

0204 (03/91)

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core.

\*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

†Additional credit available. See Assessment Work Regulation.

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**Diamond Drilling Log**

**Journal de forage au diamant**

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Hole No. Forage n°  
PR-3 (CONT'D)  
Page No. / Page n°  
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Drilling Company Compagnie de forage		Collar Elevation Élévation du collier	Bearing of hole from true North/Position du forage par rapport au nord vrai	Total Footage Avancement total du forage	Dip of Hole at Inclinaison du forage au Collar/collier	Address/Location where core stored Adresse/endroit où la carotte est stockée	Map Reference No. N° de référence sur la carte	Claim No. N° de concession minière
Date Hole Started Date de commencement du forage	Date Completed Date d'achèvement	Date Logged Date d'inscription au journal	Logged by Inscrit par A. J. M. MOWAT, C.E.T.		F/L/P		Location (Twp. Lot, Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude)	
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option <b>EMERALD FIELDS RESOURCE CORPORATION</b>		Date submitted Date de dépôt	Submitted by (Signature) Déposé par (signature) 		F/L/P		Property Name Nom de la propriété <b>PEARSON PROPERTY (PORT RENFREW AREA)</b>	

Footage/Avancement		Rock type Type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Features Angle/angle des surfaces minérales	WJDL E BULK ANALYSIS	Your Sample No. N° d'échantillon du propriétaire	Sample Footage/Avance de prélèvement de l'échantillon	Sample Length Longueur de l'échantillon	Assays/Analyses minéralogiques		
From/De	To/A						From/De	To/A			
						351521	28.96	30.11	1.15	Box # 4	
30.11	34.23	RHYOLITE (?)	Light grey, very fine grained (cherty) with wispy dendritic dark fractures - bottom contact @			351522	30.11	31.52	1.41	Box # 4	
						351523	-523	31.52	33.04	1.52	†
						60	-524	33.04	34.23	1.19	Box # 5
34.23	34.87	MAFIC DYKE (?)	Mafic intrusive dyke (?), dark, fine grained - Top and bottom contact erratic	+/- 10		351525	34.23	34.87	0.64	Box # 6	
34.87	49.23	ANDESITE (?) / GABBRO	Predominately andesitic (?) with gabbroic m.g. mottled sections - breccia / fragmental unit or andesite &/or gabbro (dioritic ?) dykes (chloritic & talcy) @ 35.33 to 35.45 m gabbroic / dioritic (?) section - top contact @ - bottom contact @ @ 37.73 to 37.98 m gabbroic / dioritic (?) section			351526	34.87	36.58	1.71	Box # 6	
						-527	36.58	38.10	1.52	†	
						-528	38.10	39.62	1.52	Box # 6 † #7	
						351529	-529	39.62	41.15	1.53	Box # 7
					80	-530	41.15	42.67	1.52		
					70	-531	42.67	44.20	1.53		
						-532	44.20	46.72	1.52	†	

0204 (03/91)

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\*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

†Additional credit available. See Assessment Work Regulation.  
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### Diamond Drilling Log / Journal de forage au diamant

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Hole No. Forage n°: PR-3  
Page No. / Page n°: 4 of 4

Drilling Company Compagnie de forage		Collar Elevation Élévation du collier	Bearing of hole from true North/Position du forage par rapport au nord vrai	Total Footage Avancement total du forage	Dip of Hole at Inclinaison du forage au Collar/collier	Address/Location where core stored Adresse/endroit où la carotte est stockée	Map Reference No. N° de référence sur la carte	Claim No. N° de concession minière			
Date Hole Started Date de commencement du forage	Date Completed Date d'achèvement	Date Logged Date d'inscription au journal	Logged by Inscrit par: A.J.M. MOWAT, C.E.T.		FL/PI	Location (Twp. Lot, Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude)	Property Name Nom de la propriété: PEARSON PROPERTY (PORT RENFREW AREA)				
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option: EMERALD FIELDS RESOURCE CORPORATION		Date submitted Date de dépôt	Submitted by (Signature) Déposé par (signature): <i>[Signature]</i>		FL/PI						
					FL/PI						
Footage/Avancement		Rock type Type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)			Plane Feature Angle/Ange des caractéristiques planes	WHOLE ROCK ANALYSIS	Your Sample No. N° d'échantillon du prospecteur	Sample Footage/Revue de prélevement de l'échantillon	Sample Length Longueur de l'échantillon	Assays/Analyses minéralurgiques
From/De	To/A							From/De	To/A		
			- Top contact @		45	351533	351533	45.72	47.24	1.52	Box # 7 & 8
			- Bottom contact ground		?		-534	47.24	49.23	1.99	Box # 8
			- Lamination @		45						
49.23			End of hole (E.O.H.)								

0204 (03/91)

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\*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

†Additional credit available. See Assessment Work Regulation.  
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NOTE(S): SEE DIAMOND DRILL LOG PR-1 page 2 FOR ANALYSIS PROCEDURES



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Hole No.  
Forage n°  
PR-4

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Drilling Company Compagnie de forage ADVANCED DRILLING LTD. SURREY, B.C. V4N 4G6	Collar Elevation Élévation du collier +/- 450 m	Bearing of hole from true North/Position du forage par rapport au nord vrai 160°	Total Footage Avancement total du forage 35.36 m	Dip of Hole at Inclinaison du forage au Collar/collier 70°	Address/Location where core stored Adresse/endroit où la carotte est stockée NET LOFT BUILDING PORT RENFREW HOTEL, PORT RENFREW, VANCOUVER IS., B.C.	Map Reference No. N° de référence sur la carte M092C069	Claim No. N° de concession minière GALLEON 53 (Tenure 370610)
(DRILL MOUNTED ON TRACK TANK FRAME)		Date Logged Date d'inscription au journal APRIL 15TH	Logged by Inscrit par A.J.M. MOWAT, C.E.T.	35.36 FL/PI N/A	8Q-ØD-36 mm	Location (Twp, Lot, Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude) VICTORIA MINING DIVISION VANCOUVER ISLAND, B.C. ZONE 10-NAD 83 404,391.88 E by 5,389,902.81 N	
Date Hole Started Date de commencement du forage APRIL 13TH, 2004	Date Completed Date d'achèvement APRIL 14TH, 2004	Date submitted Date de dépôt SEPTEMBER 15TH, 2004	Submitted by (Signature) Déposé par (signature) 	FL/PI		Property Name Nom de la propriété PEARSON PROPERTY (PORT RENFREW AREA)	
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option EMERALD FIELDS RESOURCE CORPORATION KENORA, ONTARIO P0N 2K2				FL/PI			

Footage/Avancement		Rock type	Description (Colour, grain size, texture, minerals, alteration, etc.)	Point Feature Angle/angle des caractéristiques planes	Whole Rock ANALYSIS	Your Sample No. N° d'échantillon de proposition	Sample Footage/Prévue de profondeur de l'échantillon From/De To/À	Sample Length Longueur de l'échantillon	Assays/Analyses minéralurgiques (See page 3)	
0.00	0.34	MASSIVE SULPHIDES	Section of pp. cpy. sulphide content +/- 70% - bottom contact @	45		351561	0.00 0.34	0.34		Box # 1
0.34	10.76	GABBRO	Gray, medium grained, mottled, altered, weakly to moderately carbonated - ground blacky - mafic / andesite dyke or fragment (xenolith)? @ 3.35 to 3.66m - Top contact @ - Bottom contact @ broken	30 ?		351562	0.34 2.13	1.79		Box # 1
						-563	2.13 3.05	0.92		
						-564	3.05 4.57	1.52		
						-565	4.57 6.10	1.53		
						-566	6.10 7.62	1.52	Box # 1	# 2
						-567	7.62 9.14	1.52	Box # 2	
						351568	9.14 10.67	1.53		
10.67	11.16	FAULT ZONE	Chloritized shear zone	30		351569	10.67 11.16	0.49		Box # 2
11.16	13.14	GABBRO	Altered, alternating light gray, medium grained with dark green-grey fine grained felsic (rhyolitic?) sections. Possible dykes			351570	11.16 13.14	1.98		Box # 2

0204 (03/91)

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core.  
\*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

†Additional credit available. See Assessment Work Regulation.  
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**Journal de forage au diamant**

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Hole No. Forage n° PR-4  
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Drilling Company Compagnie de forage		Collar Elevation Élévation du collier	Bearing of hole from true North Position du forage par rapport au nord vrai	Total Footage Avancement total du forage	Dip of Hole at Inclinaison du forage au Collar/collier	Address/Location where core stored Adresse/endroit où la carotte est stockée	Map Reference No. N° de référence sur la carte	Claim No. N° de concession minière
Date Hole Started Date de commencement du forage	Date Completed Date d'achèvement	Date Logged Date d'inscription au journal	Logged by Inscrit par A. J. M. MOWAT, C.E.T.		F/L/P		Location (Twp, Lot, Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude)	
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option EMERALD FIELDS RESOURCE CORPORATION		Date submitted Date de dépôt	Submitted by (Signature) Déposé par (signature) 		F/L/P		Property Name Nom de la propriété PEARSON PROPERTY (PORT RENFREW AREA)	

Footage/Avancement		Rock type	Description (Colour, grain size, texture, minerals, alteration, etc.)	Placer Features Angle/angle des caractéristiques placées	WHOLE ROCK ANALYSIS	Your Sample No. N° d'échantillon du prospecteur	Sample Footage/Zone de prélèvement de l'échantillon	Sample Length Longueur de l'échantillon	Assays/Analyses minéralurgiques		
From/De	To/A	Type de roche	Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)				From/De	To/A			
			- darker section intervals @ 11.95 to 12.37" <sup>TOP/BOTTOM CONTACT</sup>	30/45					Box # 2		
			- 12.56 to 12.86" ditto	75/45							
			- 12.92 to 13.14" ditto	35/?							
13.14	20.30	GABBRO / ANDESITE	Grey, medium grained mottled matrix with erratic angular to semi-angular mafic (andesitic) xenoliths +/- 0.15 m			351571	13.14	14.33	1.19	Box # 2	
							-572	14.33	15.85	1.52	Box # 2 & #3
							-573	15.85	17.37	1.52	Box # 3
							-574	17.37	18.90	1.53	
							-575	18.90	20.30	1.40	
20.30	22.56	FELDSPAR PORPHYRY DYKE (?)	light green grey, altered, pepper appearance (mottled) - dyke (?) - Top contact @ - Bottom contact @ broken (ground)	45		351576	20.30	22.56	2.26	Box # 3 & #4	
22.56	25.45	MAFIC VOLCANIC (?)	Dark green, fine grained, massive (possible dyke)			351577	22.56	25.45	2.89	Box # 4	

0204 (03/91) \*For features such as foliation, bedding, schistosity, measured from the long axis of the core. \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte. †Additional credit available. See Assessment Work Regulation. †Des crédits supplémentaires sont offerts. Consulter les règlements relatifs aux travaux d'évaluation. Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.



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**Journal de forage au diamant**

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Hole No. Forage n°	Page No. Page n°
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Drilling Company Compagnie de forage		Collar Elevation Élévation du collier	Bearing of hole from true North/Position du forage par rapport au nord vrai	Total Footage Avancement total du forage	Dip of Hole at Inclinaison du forage au Collar/collier	Address/Location where core stored Adresse/endroit où la carotte est stockée	Map Reference No. N° de référence sur la carte	Claim No. N° de concession minière
Date Hole Started Date de commencement du forage	Date Completed Date d'achèvement	Date Logged Date d'inscription au journal	Logged by Inscrit par A. J. M. MOWAT, C. E. T.		FL/P		Location (Twp, Lot, Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude)	
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option EMERALD FIELDS RESOURCE CORPORATION		Date submitted Date de dépôt	Submitted by (Signature) Déposé par (signature) 		FL/P		Property Name Nom de la propriété PEARSON PROPERTY (PORT RENFREW AREA)	

Footage/Avancement		Rock type Type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Plunge Feature Angle/angle des caractéristiques planes	WHOLE ROCK ANALYSIS	Yield Sample No. N° d'échantillon du prospecteur	Sample Footage/Section de prélèvement de l'échantillon From/De To/A		Sample Length Longueur de l'échantillon	Assays/Analyses minéralurgiques
25.45	27.28	FAULT ZONE	Highly sheared, chloritic, altered mafic volcanic with penetrating felsic porphyry dyke (?) @ 25.79 m = 0.1 m @ 26.52 m fault gouge E @ 27.28 m = 0.15 m dyke (?)			351578	25.45	28.80	3.35	Box # 7
27.28	28.80	GABBRO / ANDESITE	See section 13.14 to 20.30m above			351579	27.28	28.80	1.52	Box # 4 & #5
28.80	35.36	MAFIC VOLCANICS	Green, fine grained, massive, chloritic, blocky @ - foliation @ - shearing @ - shearing erratic; however, increasing down hole	45	351580	351580	28.80	30.08	1.28	Box # 5
				45		-581	30.08	31.39	1.31	
				+/- 30		-582	31.39	33.16	1.77	
						-583	33.16	34.59	1.43	
						351600	34.59	35.36	0.77	Box # 5 & #6
35.36			End of hole (E.O.H.)							

0204 (03/91)

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\*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

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NOTES: SEE DIAMOND DRILL LOG PR-1 page 2 FOR ANALYSIS PROCEDURES.





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**Diamond Drilling Log**  
**Journal de forage au diamant**

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Hole No. Forage n° PR-5  
Page No. /Page n° 1 of 3

Drilling Company Compagnie de forage <b>ADVANCED DRILLING LTD. SURREY, B.C. VAN 4G6</b> <b>(DRILL MOUNTED ON TRACK TANK FRAME)</b>		Collar Elevation Élévation du collier <b>+ / 351 m</b>	Bearing of hole from true North/Position du forage par rapport au nord vrai <b>080°</b>	Total Footage Avancement total du forage <b>33.83</b>	Dip of Hole at Inclinaison du forage au Collar/collier <b>45</b>	Address/Location where core stored Adresse/endroit où la carotte est stockée <b>NET LOFT BUILDING PORT RENFREW HOTEL, PORT RENFREW, VANCOUVER IS., B.C.</b>	Map Reference No. N° de référence sur la carte <b>M092C069</b>	Claim No. N° de concession minière <b>RAN (TRUCK 394702)</b>			
Date Hole Started Date de commencement du forage <b>APRIL 15<sup>TH</sup>, 2004</b>	Date Completed Date d'achèvement <b>APRIL 16<sup>TH</sup>, 2004</b>	Date Logged Date d'inscription au journal <b>APRIL 17<sup>TH</sup></b>	Logged by Inscrit par <b>A.J.M. MOWAT, C.E.T.</b>	m <b>33.83 / N/A</b>		Location (Twp, Lot, Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude) <b>VICTORIA MINING DIVISION VANCOUVER ISLAND, B.C. ZONE 10 - NAD 83 40° 16' 52" E by 5388 496.21 N</b>					
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option <b>EMERALD FIELDS RESOURCE CORPORATION KENORA, ONTARIO P5N 2K2</b>		Date submitted Date de dépôt <b>SEPTEMBER 15<sup>TH</sup>, 2004</b>	Submitted by (Signature) Déposé par (signature) 			Property Name Nom de la propriété <b>PEARSON PROPERTY (PORT RENFREW AREA)</b>					
Footage/Avancement From/De To/A		Rock type Type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)			Plural Feature Angle/angle des caractéristiques Formes	WJOLE ROCK ANALYSIS	Test Sample No. N° d'échantillon du prospecteur	Sample Footage/Avancement de l'échantillon From/De To/A	Sample Length Longueur de l'échantillon	Assays/Analyses minéralurgiques (See page)
0.00	1.52	OVERBURDEN	SAND & GRAVEL								
1.52	3.75	GABBRO	Light grey (bleached), medium coarse grained, mottled, weakly to moderately carbonated, moderately magnetic - ground blocky to 3.35 m - bottom contact @			40		351584	3.35 3.75	0.90	Box # 1
3.75	5.03	MAFIC DYKE	Buff grey-green, medium grained, odd speck sulphides, competent, non-magnetic - bottom contact @			40		351585	4.21 4.36	0.15	Box # 1
5.03	5.49	GABBRO	As section 1.52 to 3.75 m above - bottom contact @			50					Box # 1

0204 (03/91)

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core.  
\*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

†Additional credit available. See Assessment Work Regulation.  
†Des crédits supplémentaires sont offerts. Consulter les règlements relatifs aux travaux d'évaluation.  
Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.





Ministry of Northern Development and Mines  
Ministère du Développement du Nord et des Mines

**Diamond Drilling Log**  
**Journal de forage au diamant**

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Hole No. / Forage n°  
PR-5 (CONT'D)  
Page No. / Page n°  
3 of 3

Drilling Company Compagnie de forage		Collar Elevation Élévation du collier	Bearing of hole from true North/Position du forage par rapport au nord vrai	Total Footage Avancement total du forage	Dip of Hole at Inclinaison du forage au Collar/collier	Address/Location where core stored Adresse/endroit où la carotte est stockée	Map Reference No. N° de référence sur la carte	Claim No. N° de concession minière
Date Hole Started Date de commencement du forage	Date Completed Date d'achèvement	Date Logged Date d'inscription au journal	Logged by Inscrit par A. J. M. MOWAT, C.E.T.	F/L/P	F/L/P		Location (Twp. Lot, Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude)	Property Name Nom de la propriété PEARSON PROPERTY (PORT RENFREW AREA)
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option EMERALD FIELDS RESOURCE CORPORATION		Date submitted Date de dépôt	Submitted by (Signature) Déposé par (signature)	F/L/P	F/L/P			
				F/L/P	F/L/P			

Footage/Avancement		Rock type Type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Point Footage Angle/Inclinaison des caractéristiques planes	Yr Sample No. N° d'échantillon du prospecteur	Sample Footage/Proveus de prélèvement de l'évaluation From/De To/À		Sample Length Longueur de l'échantillon	Assays/Analyses minéralurgiques
30.63	30.82	MAFIC DYKE	Grey, moderately fine grained - top contact @ - bottom contact @	30					
30.82	32.92	GABBRO	As section 8.90 to 30.63 m above, weakly magnetic - bottom contact @	80	351591	32.61	32.92	0.31	Box # 5
32.92	33.16	MAFIC DYKE	Dark green, fine grained, non-magnetic - bottom contact sheared @	30					
33.16	33.31	GABBRO	As section 8.90 to 30.63 m above - bottom contact @	30					
33.31	33.83	MAFIC DYKE	Sheared, chloritic		351592	33.31	33.83	0.52	Box # 5
33.83			End of hole (E.O.H.)						

0204 (03/91)

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core.

\*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

†Additional credit available. See Assessment Work Regulation.

†Des crédits supplémentaires sont offerts. Consulter les règlements relatifs aux travaux d'évaluation.

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NOTE(S) : SEE DIAMOND DRILL LOG PR-1 page 2 FOR ANALYSIS PROCEDURES.



Ministry of Northern Development and Mines  
Ministère du Développement du Nord et des Mines

**Diamond Drilling Log**  
**Journal de forage au daimant**

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Hole No. Forage n° PR-6  
Page No. / Page n° 1 of 5

Drilling Company Compagnie de forage <b>ADVANCE DRILLING LTD. SURREY, B.C. V4N 4G6</b> (DRILL MOUNTED ON TRACK TANK FRAME)		Collar Elevation Élévation du collier <b>350m</b>	Bearing of hole from true North/Position du forage par rapport au nord vrai <b>313°</b>	Total Footage Avancement total du forage <b>52.12m</b>	Dip of Hole at Inclinaison du forage au Collar/collier <b>45</b>	Address/Location where core stored Adresse/endroit où la carotte est stockée <b>NET LOFT BUILDING PORT RENFREW HOTEL, PORT RENFREW, VANCOUVER IS., B.C. B.Q. - ØD-36m</b>	Map Reference No. N° de référence sur la carte <b>M092C069</b>	Claim No. N° de concession minière <b>RAN (Tenure 394702)</b>			
Date Hole Started Date de commencement du forage <b>APRIL 17<sup>TH</sup>, 2004</b>	Date Completed Date d'achèvement <b>APRIL 19<sup>TH</sup>, 2004</b>	Date Logged Date d'inscription au journal <b>APRIL 18<sup>TH</sup>, 2004</b>	Logged by Inscrit par <b>A.J.M. MOWAT, C.E.T.</b>	52.12 <b>FLP</b> N/A		Location (Twp, Lot, Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude) <b>VICTORIA MINING DIVISION, VANCOUVER ISLAND, B.C. ZONE 10 - NAD 83 404,684.34 E by 5,388,534.68 N</b>	Property Name Nom de la propriété <b>PEARSON PROPERTY (PORT RENFREW AREA)</b>				
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option <b>EMERALD FIELDS RESOURCE CORPORATION KENORA, ONTARIO P9N 2K2</b>		Date submitted Date de dépôt <b>SEPTEMBER 15<sup>TH</sup>, 2004</b>	Submitted by (Signature) Déposé par (signature) 	FLP	FLP						
Footage/Avancement From/De To/A		Rock type Type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Placer Features Angle/angle dans un carottage/placer	WHOLE ROCK ANALYSIS			Yield Sample No. N° d'échantillon de prospecteur	Sample Reference/Numero de géolocalisation de l'échantillon From/De To/A	Sample Length Longueur de l'échantillon	Assays/Analyses minéralurgiques (See page 5)
0.00	2.44	OVERBUREN	SAND & GRAVEL								
2.44	33.13	MAGNETITE / GARNETITE ZONE	Black, massive, magnetite with decreasing garnetite - garnetite - green & salmon colour - salmon garnetite core (green rhine) - increasing chloritization - ground core - garnetite greater than magnetite between 12.19 to 15.85 m - 1.22 m zone (lost) possible fault zone @ - 0.40m missing - broken (ground as above) - 1.07m broken/ground core (1.37m missing)				351593 -594 -595 -596 -597 -598 -599	2.44 4.88 6.40 7.92 9.45 10.97 12.50	2.44 1.52 1.52 1.52 1.52 1.52	Box # 1 Box # 1 @ #2 Box # 2	
				+/- < 30			351601 -602 -603 -604 -605 -606 -607 -608	14.02 15.54 18.59 19.20 21.64 23.16 24.67 26.21	15.54 18.59 19.20 21.64 23.16 24.67 26.21	1.52 3.05 0.61 2.44 1.52 1.51 1.54 1.53	Box # 2 @ #3 Box # 3 Box # 3 @ #4 Box # 4
			- @ 27.16 fault gouge	90							

0204 (03/91)

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core.  
\*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

†Additional credit available. See Assessment Work Regulation.  
†Des crédits supplémentaires sont offerts. Consulter les règlements relatifs aux travaux d'évaluation.  
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Ministry of  
Northern Development  
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Ministère du  
Développement du Nord  
et des Mines

**Diamond  
Drilling  
Log**

**Journal de  
forage au  
daimant**

Complete this form and  
related sketch in duplicate.  
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Fill in on every page  
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Hole No.  
Forage n°  
PR-6  
(CONT'D)

Page No.  
/Page n°  
2 of 5

Drilling Company Compagnie de forage		Collar Elevation Élévation du collier	Bearing of hole from true North/Position du forage par rapport au nord vrai	Total Footage Avancement total du forage	Dip of Hole at Inclinaison du forage au Collar/collier	Address/Location where core stored Adresse/endroit où la carotte est stockée	Map Reference No. N° de référence sur la carte	Claim No. N° de concession minière
Date Hole Started Date de commencement du forage	Date Completed Date d'achèvement	Date Logged Date d'inscription au journal	Logged by Inscrit par A. J. M. MOWAT, C. E. T.		FL/P		Location (Twp, Lot, Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude)	
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option EMERALD FIELDS RESOURCE CORPORATION		Date submitted Date de dépôt	Submitted by (Signature) Déposé par (signature) <i>[Signature]</i>		FL/P		Property Name Nom de la propriété PEARSON PROPERTY (PORT RENFREW AREA)	

Footage/Avancement From/De To/A		Rock type Type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Plunge Feature Angle/angle des surfaces minérales Plunge	WHOLE ROCK ANALYSIS	Your Sample No. N° d'échantillon du prospecteur	Sample Footage/Avance de prélèvement de l'échantillon From/De To/A		Sample Length Longueur de l'échantillon	Assays/Analyses minéralurgiques
			(Note: Odd emtic bleb & stringer of ps, cpy) @	60		351609	27.74	29.26	1.52	Box # 4
						- 610	29.26	30.78	1.52	
						- 611	30.78	32.31	1.53	Box # 4 & #5
						- 612	32.31	33.13	0.82	Box # 5
33.13	33.41	MAFIC DYKE	Fine grained, massive - Top contact broken @ - Bottom contact broken @	30 30		351613	33.13	33.41	0.28	Box # 5
33.41	34.96	MAGNETITE (Fe) ZONE	Fragmented			351614	33.41	34.96	1.55	Box # 5
34.96	35.77	MAFIC DYKE	Dark green, fine grained as section 33.13 to 33.41 m non-magnetic with fine cross cutting calcite stringers - contacts ground @	+/- 80		351615	34.96	35.72	0.76	Box # 5

0204 (03/91)

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core.

\*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

†Additional credit available. See Assessment Work Regulation.

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Diamond Drilling Log / Journal de forage au diamant

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Hole No. / Forage n° PR-6 (CONT'D) / Page No. / Page n° 3 of 5

Drilling Company / Compagnie de forage		Collar Elevation / Élévation du collier	Bearing of hole from true North / Position du forage par rapport au nord vrai	Total Footage / Avancement total du forage	Dip of Hole at Inclinaison du forage au Collar / collier	Address/Location where core stored / Adresse/endroit où la carotte est stockée	Map Reference No. / N° de référence sur la carte	Claim No. / N° de concession minière
Date Hole Started / Date de commencement du forage	Date Completed / Date d'achèvement	Date Logged / Date d'inscription au journal	Logged by / Inscrit par A.J. MOWAT, C.E.T.		FL/P1		Location (Twp, Lot, Con. or Lat. and Long.) / Emplacement (canton, lot, concession, ou latitude et longitude)	
Exploration Co., Owner or Optionee / Compagnie d'exploration, propriétaire ou titulaire d'option EMERALD FIELDS RESOURCE CORPORATION		Date submitted / Date de dépôt	Submitted by (Signature) / Déposé par (signature)		FL/P1		Property Name / Nom de la propriété PEARSON PROPERTY (PORT RENFREW PROPERTY)	

Footage/Avancement		Rock type / Type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Plane Features / Angle/dip of core / Caractéristiques planes	WHOLE ROCK ANALYSIS	Yield Sample No. / N° d'échantillon du prospecteur	Sample Footage/Avancement de prélèvement au forage		Sample Length / Longueur de l'échantillon	Assays/Analyses minéralogiques	
From/De	To/A						From/De	To/A			
35.72	36.88	ANDESITE	Green, medium grained, non-magnetic, epidote, chlorite development, trace sulphides, unit badly broken			351616	35.72	36.88	1.16	Box # 5	
36.88	46.82	MAGNETITE / GARNETITE ZONE	Predominately garnetite with erratic decreasing magnetite ± po bands - 38.40 to 39.93 altered with epidote, garnetite (buff coloured), non-magnetic - 39.93 to 40.11 m - magnetite, po - 40.84 to 41.03 - magnetite, po (1%) - magnetite, po, trace cpy, garnetite - top contact @ - 50mm magnetite section @ 44.71 m - 45.41 to 45.66m - magnetite, po, garnetite section			351617	36.88	38.40	1.52	Box # 5	
						351618	39.93	40.11	0.18	Box # 5	
						- 619	40.84	41.03	0.19	Box # 5	
						351620	- 620	43.28	44.20	0.92	Box # 6
				30							
						351621	45.41	45.66	0.25	Box # 7	
46.82	49.07	LIMESTONE	Limestone / marble remnant with green & salmon								

0204 (03/91)

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core.

\*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

†Additional credit available. See Assessment Work Regulation.

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Ministère du Développement du Nord et des Mines

**Diamond Drilling Log**  
**Journal de forage au daimant**

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Hole No. Forage n°  
PR-6  
(CONT'D)  
Page No. / Page n°  
4 of 5

Drilling Company Compagnie de forage		Collar Elevation Élévation du collier	Bearing of hole from true North/Position du forage par rapport au nord vrai	Total Footage Avancement total du forage	Dip of Hole at Inclinaison du forage au Collar/collier	Address/Location where core stored Adresse/endroit où la carotte est stockée	Map Reference No. N° de référence sur la carte	Claim No. N° de concession minière		
Date Hole Started Date de commencement du forage	Date Completed Date d'achèvement	Date Logged Date d'inscription au journal	Logged by Inscrit par A. J. M. MOWAT, C. E. T.		F/L/P		Location (Twp, Lot, Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude)			
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option EMERALD FIELDS RESOURCE CORPORATION		Date submitted Date de dépôt	Submitted by (Signature) Déposé par (signature) 		F/L/P		Property Name Nom de la propriété PEARSON PROPERTY (PORT RENFREW PROPERTY)			
Footage/Avancement From/De	To/A	Rock type Type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Point Feature Angle/Angle des caractéristiques planes	WHOLE ROCK ANALYSIS	Your Sample No. N° d'échantillon du prospecteur	Sample Footage/Avance de prélèvement de l'échantillon From/De To/A	Sample Length Longueur de l'échantillon	Assays/Analyses minéralurgiques	
			coloured garnetite - top contact @ - bottom contact @ @ 46.97 to 47.12 m section light grey, fine grained cherty (Calcite or marble?) - top contact @ - bottom contact @ general sample	85 30						
				45 30		351622	48.46	49.07	0.61	Box #7
49.07	49.99	MAFIC DYKE	Light green, coarse grained, epidote/diopsid, non - magnetic - top contact @ - bottom contact @ general sample	20 20						
						351623	49.56	49.87	0.31	Box #7
49.99	51.97	LIMESTONE	Light green-grey, garnetite present - general sample			351624	51.51	51.82	0.31	Box #7

0204 (03/91)

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core.

\*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

†Additional credit available. See Assessment Work Regulation.

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Ministère du Développement du Nord et des Mines

**Diamond Drilling Log**  
**Journal de forage au diamant**

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Hole No. / Forage n°: PR-6  
Page No. / Page n°: 5 of 5

Drilling Company Compagnie de forage		Collar Elevation Élévation du collier	Bearing of hole from true North/Position du forage par rapport au nord vrai	Total Footage Avancement total du forage	Dip of Hole at Inclinaison du forage au Collar/collier	Address/Location where core stored Adresse/endroit où la carotte est stockée		Map Reference No. N° de référence sur la carte	Claim No. N° de concession minière		
Date Hole Started Date de commencement du forage	Date Completed Date d'achèvement	Date Logged Date d'inscription au journal	Logged by Inscrit par: A. J. M. MOWAT, C.E.T.		FL/P	Property Name Nom de la propriété: PEARSON PROPERTY (POET RENFREW AREA)		Location (Twp. Lot, Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude)			
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option EMERALD FIELDS RESOURCE CORPORATION		Date submitted Date de dépôt	Submitted by (Signature) Déposé par (signature): <i>A. J. M. Mowat</i>		FL/P						
					FL/P						
					FL/P						
Footage/Avancement From/De To/À		Rock type Type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)			Placer Features Angle/angle des caractéristiques planes	WHOLE ROCK ANALYSIS	Your Sample No. N° d'échantillon du prospecteur	Sample Footage/Interval de prélèvement de l'échantillon From/De To/À	Sample Length Longueur de l'échantillon	Assays/Analyses minéralurgiques
51-97	52-12	MAFIC DYKE	Green, fine grained - top contact @					351625	51-97 52-12	0.15	Box # 8
52-12			End of hole (E.O.H.)								

0204 (03/91)

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core.  
\*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

†Additional credit available. See Assessment Work Regulation.  
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Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.

NOTES: ANALYSIS BY ALS Chemex, NORTH VANCOUVER, B.C. V7J 2C1 see page 2 of PR-1 log for procedure





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Diamond Drilling Log / Journal de forage au diamant

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Hole No. Forage n° PR-7 / Page No. / Page n° 1 of 8

Drilling Company Compagnie de forage <b>ADVANCED DRILLING LTD. SURREY, B.C. V4N 4G6 (DRILL MOUNTED ON SKIDS)</b>		Collar Elevation Élévation du collier 320 m	Bearing of hole from true North Position du forage par rapport au nord vrai 060	Total Footage Avancement total du forage 122.53 m	Dip of Hole at Incinaison du forage au Collar/collier 45	Address/Location where core stored Adresse/endroit où la carotte est stockée NET LOFT BUILDING, PORT RENFREW HOTEL, PORT RENFREW, VANCOUVER IS., B.C.	Map Reference No. N° de référence sur la carte M052C069	Claim No. N° de concession minière GALEON 71 (Tenure 373376)	
Date Hole Started Date de commencement du forage APRIL 20TH, 2004	Date Completed Date d'achèvement APRIL 27TH, 2004	Date Logged Date d'inscription au journal	Logged by Inscrit par A.J.M. MOWAT, C.E.T.	122.53 m FL/P FL/P FL/P FL/P	122.53 m N/A		Location (Twp, Lot, Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude) VICTORIA MINING DIVISION VANCOUVER ISLAND, B.C. ZONE 10 - NAD 83 400,073.79 E 10 S, 383,761.45 N	Property Name Nom de la propriété PEARSON PROPERTY (PORT RENFREW AREA)	
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option EMERALD FIELDS RESOURCE CORPORATION KENORA, ONTARIO P0N 2K2		Date submitted Date de dépôt SEPTEMBER 15TH, 2004	Submitted by (Signature) Déposé par (signature) <i>A.J.M. Mowat</i>			BQ - ØD - 36 mm			
Footage/Avancement From/De To/À		Rock type Type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Other Features Autres caractéristiques Angle/angle des caractéristiques planes	WHOLE ROCK ANALYSIS	Yield Sample No. N° d'échantillon du prospecteur	Sample Footage/Forage de prélèvement de l'échantillon From/De To/À	Sample Length Longueur de l'échantillon Métres	Assays/Analyses minéralurgiques (See page 6)
0.00	10.67	OVERBURDEN	Sand and gravel						
10.67	12.04	GABBRO	Grey, coarse grained, moderately hard, non-magnetic, trace sulphides, trace sulphides			351626	10.67 11.28	0.61	Box # 1
12.04	12.98	GABBRO (?)	Altered, fine grained, cherty, intrusive (?) - Top contact ground - Bottom contact @	?					
12.98	75.41	GABBRO	light grey, coarse grained, trace sulphides, non-magnetic, ground broken - foliation @ @ 13.72 m - 10 cm fault gouge - shearing between - unit bleached - trace sulphides (py) - chlorite development along shear planes	45 10-20		351627 351628 351629	16.76 17.37 22.86 23.97 28.96 29.57	0.61	Box # 2 Box # 3 Box # 3

0204 (03/91)

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core.  
\*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

†Additional credit available. See Assessment Work Regulation.  
†Des crédits supplémentaires sont offerts. Consulter les règlements relatifs aux travaux d'évaluation.  
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**Diamond Drilling Log**  
**Journal de forage au diamant**

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Hole No. / Forage n°: PR-7  
Page No. / Page n°: 2 of 8

Drilling Company Compagnie de forage		Collar Elevation Élévation du collier	Bearing of hole from true North/Position du forage par rapport au nord vrai	Total Footage Avancement total du forage	Dip of Hole at Inclinaison du forage au	Address/Location where core stored Adresse/endroit où la carotte est stockée	Map Reference No. N° de référence sur la carte	Claim No. N° de concession minière
Date Hole Started Date de commencement du forage	Date Completed Date d'achèvement	Date Logged Date d'inscription au journal	Logged by Inscrit par A. J. M. MOWAT, C. E. T.	Collar/cotlier			Location (Twp, Lot, Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude)	
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option <b>EMERALD FIELDS RESOURCE CORPORATION</b>		Date submitted Date de dépôt	Submitted by (Signature) Déposé par (signature) 	F/L/P				
				F/L/P				Property Name Nom de la propriété <b>PEARSON PROPERTY (PORT RENFREW AREA)</b>

Footage/Avancement		Rock type	Description (Colour, grain size, texture, minerals, alteration, etc.)	Plane Features Angle/Angles des caractéristiques planes	WHOLE ROCK ANALYSIS	Test Sample No. N° d'échantillon du prospecteur	Sample Footage/Tranche de prélèvement de l'échantillon	Sample Length Longueur de l'échantillon	Assays/Analyses minéralogiques	
From/De	To/A	Type de roche	Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)				From/De	To/A		
			accompanied by some py development @ 24.23 m - 10 mm seams of sp @ 24.38 m fault displacement along core axis - grain size variable - very fine grained disseminated sulphides ≤ 1/2%			351630	35.05	35.66	0.61	Box # 4
			@ 31.36 to 31.94 m - coarse grained gabbroic sections with chilled or sheared (?) contact			351631	41.15	41.76	0.61	Box # 5
			@ 32.61 m - 20 mm section disseminated py - ground badly fractured (broken) with chlorite development along core axis @ (multiple direction shearing - dominant direction @	0 to 30		351632	47.24	47.85	0.61	Box # 6
			- weakly magnetic to non-magnetic sections	0 to 30		351633	53.34	53.95	0.61	Box # 7
			- fault @ 53.34 m			351634	59.13	60.05	0.92	Box # 8
			- fault zone from 60.96 to 67.67 m			351635	60.05	60.96	0.91	Box # 8
			@ 64.01 m possible ultramafic dyke (?) caught up in fault zone (probably highly altered/sheared gabbro (very chloritic - wavy)			351636	60.96	62.48	1.52	Box # 8 & # 9
			@ 65.65 m - 32 mm calcite vein			351637	62.48	64.01	1.53	Box # 9
						351638	64.01	65.84	1.83	
						351639	65.84	67.67	1.83	
						351640	67.67	69.19	1.52	
						351641	69.19	70.71	1.52	Box # 10

0204 (03/91)

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Hole No. Forage n° PR-7  
Page No. / Page n° 3 of 8

Drilling Company Compagnie de forage		Collar Elevation Élévation du collier	Bearing of hole from true North/Position du forage par rapport au nord vrai	Total Footage Avancement total du forage	Dip of Hole at Inclinaison du forage au Collar/collier	Address/Location where core stored Adresse/endroit où la carotte est stockée	Map Reference No. N° de référence sur la carte	Claim No. N° de concession minière
Date Hole Started Date de commencement du forage	Date Completed Date d'achèvement	Date Logged Date d'inscription au journal	Logged by Inscrit par A.J.M. MOWAT, C.E.T.		FL/PI	Location (Twp. Lot, Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude)		
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option EMERALD FIELDS RESOURCE CORPORATION		Date submitted Date de dépôt	Submitted by (Signature) Déposé par (signature) <i>A.J.M. Mowat</i>		FL/PI	Property Name Nom de la propriété PEARSON PROPERTY (PORT RENFREW AREA)		

Footage/Avancement From/De To/A		Rock type Type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Special Features Angle/angle des caractéristiques spéciales	WHOLE ROCK ANALYSES	Your Sample No. N° d'échantillon du prospecteur	Sample Footage/Interval de prélèvement de l'échantillon From/De To/A	Sample Length Longueur de l'échantillon	Assays/Analyses minéralogiques
			From 73.76 to 75.29 unit consists of alternating altered gabbro with 5 cm to 10 cm quartz carbonate veins with 10 cm ultramafic dykes (?)			351692	70.71 72.24	1.53	Box #10
			- Top contact @	30		351693	72.24 73.76	1.52	
			- Bottom contact @	30		351694	73.76 75.91	1.65	
			Moderately magnetic 2.5 cm zone of magnetite @ 74.28 m @ @ 74.98 m - 8 cm section of parting						
75.41	75.90	GABBRO (Magnetic)	Grey, coarse grained, mottled, moderately magnetic			351695	75.91 75.90	0.99	Box #10
			- top contact ground	?					
			- bottom contact @	25					
75.90	88.15	GABBRO	Grey-green to medium dark grey, bleached, mottled			351696	75.90 76.81	0.91	Box #11
			- crystal fabric erratic from medium fine to medium			351697	76.81 78.33	1.52	
			coarse grained - generally non-magnetic with odd			351698	78.33 79.86	1.53	
			narrow weak 10 mm zones/sections			351699	79.86 81.38	1.52	
			- fabric @	25	351650	351650	81.38 82.91	1.53	

0204 (03/91)

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\*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

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Hole No. Forage n° PR-7  
Page No. / Page n° 4 of 8

Drilling Company Compagnie de forage		Collar Elevation Élévation du collier	Heading of hole from true North Position du forage par rapport au nord vrai	Total Footage Avancement total du forage	Dip of Hole at Inclinaison du forage au Collar/collier	Address/Location where core stored Adresse/endroit où la carotte est stockée	Map Reference No. N° de référence sur la carte	Claim No. N° de concession minière			
Date Hole Started Date de commencement du forage	Date Completed Date d'achèvement	Date Logged Date d'inscription au journal	Logged by Inscrit par <b>A. J. M. MOWAT, C.E.T.</b>	FL/PI	FL/PI	Location (Twp. Lot, Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude)	Property Name Nom de la propriété <b>PEARSON PROPERTY (PORT RENFREW AREA)</b>				
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option <b>EMERALD FIELDS RESOURCE CORPORATION</b>		Date submitted Date de dépôt	Submitted by (Signature) Déposé par (signature) 	FL/PI	FL/PI						
Footage/Avancement From/De To/A		Rock type Type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Plane Features Angle/Angle des caractéristiques planes	WHOLE ROCK ANALYSIS			Yard Length N° d'identification du prospecteur	Sample Footage/Profondeur en pieds/mètres de l'échantillon From/De To/A	Sample Length Longueur de l'échantillon	Assays/Analyses minéralurgiques
88.15 90.13		GABBRO (Feldspathic)	- alternating medium to coarse grained texture - highly chloritic with fine grained disseminated sulphides - bottom contact @	25	351651			351651 82.91 84.43 1.52	351652 84.43 85.40 0.97	351653 85.40 86.87 1.47	351654 86.87 88.15 1.28
90.13 105.95		GABBRO	Bleached white-grey, medium to coarse grained, mottled, massive, competent, 1/2-50% feldspar content sericite development, vanadium green zones, fine disseminations of sulphides py, Fe along chloritic shear planes. (Weakly to moderately carbonated.) @ 90.04m - 3 cm dark ultramafic dyke @ - bottom contact @	85 60	351655	351655 88.15 90.13 1.98				Box # 12 & #13	
90.13 105.95		GABBRO	Uniform, grey, bleached, mottled, competent with disseminated sulphides along chlorite slips. Odd section weakly to moderately magnetic. Similar to section 88.15 to 90.13 m above; however, more symmetric		351656	351656 90.13 92.05 1.92	351657 92.05 93.57 1.52	351658 93.57 95.10 1.53	351659 95.10 96.62 1.52	Box # 13	

0204 (03/91)

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core.

\*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

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Hole No. Forage n° PR-7  
Page No. /Page n° 5 of 8

Drilling Company Compagnie de forage		Collar Elevation Élévation du collier	Bearing of hole from true North/Position du forage par rapport au nord vrai	Total Footage Avancement total du forage	Dip of Hole at Inclinaison du forage au Collar/collier	Address/Location where core stored Adresse/endroit où la carotte est stockée	Map Reference No. N° de référence sur la carte	Claim No. N° de concession minière	
Date Hole Started Date de commencement du forage	Date Completed Date d'achèvement	Date Logged Date d'inscription au journal	Logged by Inscrit par A. J. M. MOWAT, C.E.T.		FL/PI		Location (Twp, Lot, Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude)		
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option <b>EMERALD FIELDS RESOURCE CORPORATION</b>		Date submitted Date de dépôt	Submitted by (Signature) Déposé par (signature) 		FL/PI		Property Name Nom de la propriété <b>PEARSON PROPERTY (PORT RENFREW AREA)</b>		
Footage/Avancement From/De To/A		Rock type Type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Plane Features Angle / Angle des caractéristiques planes	WHOLE CORE ANALYSIS	Y-axis Section No. N° d'échantillon du prospecteur	Sample Footage/Section no. From/De To/A	Sample Length Longueur de l'échantillon	Assays/Analyses minéralurgiques
						351660	96.62 98.15	1.53	Box # 14
						351661	98.15 99.67	1.52	
						351662	99.67 101.19	1.52	
						351663	101.19 102.27	1.08	T
						351664	102.27 104.24	1.97	Box # 14 & #15
						351665	104.24 105.95	1.71	Box # 15
105.95	106.74	MAFIC DYKE	Dark grey, fine grained mafic to ultramafic intrusive - ground fractured - top contact @ - bottom contact @	25 45		351666	105.95 106.74	0.79	Box # 15
106.74	111.04	GABBRO	Darker grey, fine grained, foliation @ - odd sections weakly to moderately magnetic	30		351667	106.74 108.20	1.46	
						351668	108.20 109.73	1.53	Box # 15 & 16
						351669	109.73 111.04	1.31	Box # 16

0204 (03/91)

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Hole No. Forage n° PR-7  
Page No. / Page n° 6 of 8

Drilling Company Compagnie de forage		Collar Elevation Élévation du collier	Bearing of hole from true North/Position du forage par rapport au nord vrai	Total Footage Avancement total du forage	Dip of Hole at Inclinaison du forage au	Address/Location where core stored Adresse/endroit où la carotte est stockée	Map Reference No. N° de référence sur la carte	Claim No. N° de concession minière		
Date Hole Started Date de commencement du forage	Date Completed Date d'achèvement	Date Logged Date d'inscription au journal	Logged by Inscrit par A. J. M. MOWAT C.E.T.	Collar/collier		Location (Twp, Lot, Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude)				
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option EMERALD FIELDS RESOURCE CORPORATION		Date submitted Date de dépôt	Submitted by (Signature) Déposé par (signature) 	FL/PI		Property Name Nom de la propriété PEARSON PROPERTY (PORT RENFREW AREA)				
Footage/Avancement From/De To/A	Rock type Type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)			Plane Features Angle/Inclinaison des caractéristiques planes	WHOLE ROCK ANALYSIS	Your Sample No. N° d'échantillon du preleveur	Sample Footage/Avance de prelevement de l'échantillon From/De To/A	Sample Length Longueur de l'échantillon	Assays/Analyses minéralurgiques
111.04	119.63	GABBRO	As section 90.13 to 105.95m above. Odd section weakly to moderately magnetic - quartz vein @ 114.76 to 115.06m - Top contact @ - bottom contact @			25	351670	111.04 112.78	1.74	Box #16
							351671	112.78 114.76	1.98	
						25	351672	114.76 115.06	0.30	
							351673	115.06 116.45	1.39	
							351674	116.45 117.96	1.53	Box #16 & #17
							351675	117.96 119.63	1.67	Box #17
119.63	122.53	GABBRO (?)	Highly altered, grey-green, very fine grained, cherty matrix with gabbro remnants. Net texture quartz carbonate veinlets				351676	119.63 121.01	1.38	Box #17
							351677	121.01 122.53	1.52	Box #17
122.53			End of hole (E.O.H.)							

0204 (03/91) \*For features such as foliation, bedding, schistosity, measured from the long axis of the core.  
\*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

†Additional credit available. See Assessment Work Regulation.  
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NOTE(S) : ANALYSIS BY ALS Chemex, NORTH VANCOUVER, B.C. V7S 2C1 see page 2 of PR-1 log for procedures



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**Journal de forage au diamant**

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Hole No. Forage n°: PR-7  
Page No. / Page n°: 7 of 8

Drilling Company Compagnie de forage		Collar Elevation Élévation du collier	Bearing of hole from true North/Position du forage par rapport au nord vrai	Total Footage Avancement total du forage	Dip of Hole at Inclinaison du forage au Collar/collier	Address/Location where core stored Adresse/endroit où la carotte est stockée	Map Reference No. N° de référence sur la carte	Claim No. N° de concession minière
Date Hole Started Date de commencement du forage	Date Completed Date d'achèvement	Date Logged Date d'inscription au journal	Logged by Inscrit par A. J. M. MOWAT, C.E.T.		FL/PI		Location (Twp, Lot, Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude)	
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option EMERALD FIELDS RESOURCE CORPORATION		Date submitted Date de dépôt	Submitted by (Signature) Déposé par (signature) 		FL/PI		Property Name Nom de la propriété PEARSON PROPERTY (PORT RENFREW AREA)	

Footage/Avancement		Rock type	Description (Colour, grain size, texture, minerals, alteration, etc.)	Plane Feature Angle/Angle des caractéristiques planes	WHOLE ROCK ANALYSIS	Total Sample No. N° d'évaluation du prospecteur	Sample Footage/Profil de l'échantillon		Sample Length Longueur de l'échantillon	Assays/Analyses minéralurgiques
From/De	To/A	Type de roche	Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)				From/De	To/A		
			APPENDUM -			351851	11.28	12.80	1.52	Box #1
						- 852	12.80	14.33	1.53	
						- 853	14.33	15.85	1.52	↓
						- 854	15.85	16.76	0.91	Box #1 & #2
						- 855	17.37	18.90	1.53	Box #2
						- 856	18.90	20.42	1.52	
						- 857	20.42	21.95	1.53	
						- 858	21.95	22.86	0.91	↓
						- 859	23.47	24.99	1.52	Box #3
						- 860	24.99	26.52	1.53	
						- 861	26.52	28.04	1.52	
						- 862	28.04	28.96	0.92	↓
						- 863	29.57	31.09	1.52	Box #3 & #4
						- 864	31.09	32.61	1.52	Box #4
						- 865	32.61	34.14	1.53	
						- 866	34.14	35.05	0.91	↓
						- 867	35.66	37.19	1.53	Box #4 & #5
						- 868	37.19	38.71	1.52	Box #5
						- 869	38.71	40.23	1.52	↓

0204 (03/91)

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Page No. / Page n° 8 of 8

Drilling Company Compagnie de forage		Collar Elevation Élévation du collier	Bearing of hole from true North/Position du forage par rapport au nord vrai	Total Footage Avancement total du forage	Dip of Hole at Inclinaison du forage au Collar/collier	Address/Location where core stored Adresse/endroit où la carotte est stockée	Map Reference No. N° de référence sur la carte	Claim No. N° de concession minière
Date Hole Started Date de commencement du forage	Date Completed Date d'achèvement	Date Logged Date d'inscription au journal	Logged by Inscrit par A. J. M. MOWAT, C.E.T.		F/L/P	Location (Twp, Lot, Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude)	Property Name Nom de la propriété PEARSON PROPERTY (PORT RENFREW AREA)	
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option EMERALD FIELDS RESOURCE CORPORATION		Date submitted Date de dépôt	Submitted by (Signature) Déposé par (signature) 		F/L/P			
					F/L/P			
					F/L/P			

Footage/Avancement		Rock type	Description (Colour, grain size, texture, minerals, alteration, etc.)	Planar Features Angle/Angle des caractéristiques planes	WHOLE ROCK ANALYSIS	Your Sample No. N° d'échantillon du prospecteur	Sample Footage/Interval de prélèvement de l'échantillon	Sample Length Longueur de l'échantillon	Assays/Analyses minéralogiques	
From/De	To/A	Type de roche	Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)				From/De	To/A		
						351870	40.23	41.15	0.92	Box # 5
						-871	41.76	43.28	1.52	Box # 5 & #6
						-872	43.28	44.81	1.53	Box # 6
						-873	44.81	46.33	1.52	
						-874	46.33	47.24	0.91	
						-875	47.85	49.38	1.53	Box # 6 & #7
						-876	49.38	50.90	1.52	Box # 7
						-877	50.90	52.43	1.53	
						-878	52.43	53.34	0.91	
						-879	53.95	55.47	1.52	Box # 7 & #8
						-880	55.47	57.00	1.53	Box # 8
						-881	57.00	58.52	1.52	
						-882	58.52	59.13	0.61	

0204 (03/91)

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core.  
\*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

†Additional credit available. See Assessment Work Regulation.  
†Des crédits supplémentaires sont offerts. Consulter les règlements relatifs aux travaux d'évaluation.  
Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.



**EMERALD FIELDS  
RESOURCE CORPORATION**

**PEARSON/KAREN PROPERTY  
Vancouver Island, BC**

**DIAMOND DRILLING and GEOLOGY  
ASSESSMENT REPORT**

**September 2004**

**APPENDIX TWO  
Assay Sheets**

**Holes PR-01, PR-02, PR-03, PR-04  
PR-05, PR-06 and PR-07**

**ALS Chemex  
North Vancouver, BC**



**ALS Chemex**  
**EXCELLENCE IN ANALYTICAL CHEMISTRY**  
 ALS Canada Ltd.  
 212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: EMERALD FIELDS RESOURCE CORP.  
 1546 PINE PORTAGE CORP  
 KENORA ON P9N 2K2

Page: 1  
 Date: 17-APR-2004  
 Account: PJV

**CERTIFICATE VA04020790**

Project: PEARSON  
 P.O. No.:  
 This report is for 34 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 15-APR-2004.  
 The following have access to data associated with this certificate:  
 PERRY HEATHERINGTON      AL MOWAT

**SAMPLE PREPARATION**

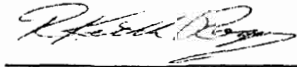
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION	INSTRUMENT
PGM-ICP23	Pt, Pd, Au 30g FA ICP	ICP-AES
ME-ICP61	27 element four acid ICP-AES	ICP-AES

To: EMERALD FIELDS RESOURCE CORP.  
 ATTN: AL MOWAT  
 1546 PINE PORTAGE CORP  
 KENORA ON P9N 2K2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.  
 212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: EMERALD FIELDS RESOURCE CORP.  
 1546 PINE PORTAGE CORP  
 KENORA ON P9N 2K2

Page: 2 - A  
 Total Pages: 2 (A - C)  
 Date: 17-APR-2004  
 Account: PJV

Project: PEARSON

## CERTIFICATE OF ANALYSIS VA04020790

Sample Description	Method Analyte Units LOR	WEI-21	PGM-ICP23	PGM-ICP23	PGM-ICP23	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg 0.02	Au ppm 0.001	Pt ppm 0.005	Pd ppm 0.001	Ag ppm 0.5	Al % 0.01	As ppm 5	Ba ppm 10	Be ppm 0.5	Bi ppm 2	Ca % 0.01	Cd ppm 0.5	Co ppm 1	Cr ppm 1	Cu ppm 1
351501		1.28	0.039	0.015	0.008	1.4	6.04	<5	140	0.6	<2	10.20	<0.5	271	111	7480
351502		1.36	0.002	0.011	0.007	<0.5	8.39	<5	190	0.7	3	5.57	<0.5	20	110	160
351503		1.58	0.002	0.009	0.004	<0.5	8.49	5	330	0.9	2	3.59	<0.5	11	114	87
351504		0.68	<0.001	0.018	0.012	<0.5	8.56	<5	500	0.6	<2	4.76	<0.5	32	158	62
351505		1.64	0.001	0.007	<0.001	<0.5	7.15	<5	560	1.6	2	1.36	<0.5	4	114	21
351506		1.30	0.001	0.007	<0.001	<0.5	7.06	<5	720	1.0	<2	0.77	<0.5	2	94	11
351507		2.26	0.001	0.006	<0.001	<0.5	7.12	<5	790	1.1	<2	0.92	<0.5	3	90	5
351508		1.48	<0.001	0.008	<0.001	<0.5	7.07	<5	650	1.1	<2	1.17	<0.5	4	88	7
351509		2.22	<0.001	0.009	<0.001	<0.5	7.93	<5	720	1.7	<2	1.10	<0.5	4	127	7
351510		1.50	0.008	0.019	0.009	<0.5	9.09	<5	390	<0.5	<2	6.15	<0.5	51	213	142
351511		3.06	0.011	0.015	0.019	<0.5	9.19	<5	300	<0.5	<2	6.36	<0.5	47	204	128
351512		1.98	0.002	0.005	0.005	<0.5	8.25	<5	370	1.3	<2	2.29	<0.5	6	118	23
351513		2.02	0.004	0.015	0.009	<0.5	9.00	<5	210	<0.5	<2	7.33	<0.5	49	221	105
351514		1.68	0.003	0.014	0.007	<0.5	9.80	<5	120	<0.5	2	6.70	<0.5	51	264	114
351515		1.58	<0.001	0.009	0.010	<0.5	8.35	<5	120	<0.5	<2	6.05	<0.5	50	217	5
351516		1.80	0.005	0.020	0.008	<0.5	9.50	<5	100	<0.5	<2	6.00	<0.5	49	241	71
351517		1.10	0.008	0.016	0.008	<0.5	8.82	<5	110	<0.5	<2	7.66	<0.5	47	239	152
351518		1.46	0.002	0.011	0.005	0.5	8.90	<5	120	<0.5	<2	7.66	<0.5	46	280	41
351519		1.14	0.002	0.011	0.003	<0.5	9.52	10	250	0.5	<2	6.03	<0.5	44	150	88
351520		1.42	0.007	0.013	0.017	<0.5	9.12	<5	210	<0.5	<2	6.57	<0.5	40	354	70
351521		1.24	0.005	0.014	0.011	<0.5	8.76	<5	370	0.8	2	5.53	<0.5	47	225	246
351522		1.70	0.001	0.006	<0.001	<0.5	7.89	<5	60	1.4	<2	0.98	<0.5	3	113	17
351523		1.28	<0.001	0.007	<0.001	<0.5	7.26	<5	160	1.6	<2	1.01	<0.5	2	142	20
351524		1.94	0.001	0.006	<0.001	<0.5	7.52	<5	230	1.8	<2	1.20	<0.5	3	120	17
351525		0.92	<0.001	0.007	<0.001	<0.5	8.07	<5	300	0.7	<2	4.05	<0.5	57	135	49
351526		2.14	0.001	0.010	0.004	<0.5	7.85	<5	180	<0.5	<2	4.31	<0.5	66	132	153
351527		1.58	0.001	0.008	<0.001	<0.5	8.21	<5	140	<0.5	<2	4.53	<0.5	59	142	193
351528		2.26	0.002	0.007	<0.001	<0.5	7.91	<5	100	<0.5	<2	4.24	<0.5	71	136	150
351529		1.82	0.003	0.005	0.001	<0.5	8.38	<5	170	<0.5	<2	4.72	<0.5	70	142	152
351530		2.12	0.001	0.008	<0.001	<0.5	8.25	<5	100	<0.5	<2	3.82	<0.5	74	131	138
351531		1.84	<0.001	0.008	0.001	<0.5	8.16	9	100	<0.5	2	4.95	<0.5	72	128	102
351532		2.10	<0.001	0.007	0.001	<0.5	8.22	<5	140	<0.5	<2	4.71	<0.5	73	126	86
351533		2.00	<0.001	0.009	<0.001	<0.5	7.99	<5	120	<0.5	2	3.60	<0.5	72	122	118
351534		2.14	<0.001	0.010	<0.001	<0.5	7.32	<5	130	<0.5	<2	3.91	<0.5	72	127	85



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
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Phone: 604 984 0221 Fax: 604 984 0218

TO: EMERALD FIELDS RESOURCE CORP.  
1546 PINE PORTAGE CORP  
KENORA ON P9N 2K2

Page: 2 - B  
Total Pages: 2 (A - C)  
Date: 17-APR-2004  
Account: PJV

Project: PEARSON

## CERTIFICATE OF ANALYSIS VA04020790

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Tl	V	W
		%	%	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.01	0.01	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10
51501		11.15	0.56	2.56	1440	5	0.66	88	460	<2	6.16	11	553	0.59	164	10
51502		4.22	0.79	2.40	776	9	2.82	37	470	5	0.11	<5	507	0.64	176	10
51503		2.59	0.66	1.40	471	3	3.69	28	400	<2	0.10	<5	538	0.45	102	10
51504		6.19	1.16	4.32	898	1	2.40	85	550	<2	0.06	<5	543	0.90	275	10
51505		1.34	2.00	0.36	153	2	3.17	7	250	2	0.07	<5	246	0.20	22	<10
51506		1.33	2.90	0.28	144	1	2.82	3	230	6	0.05	<5	178	0.19	17	<10
51507		1.50	2.64	0.31	174	2	2.90	3	260	3	0.04	<5	212	0.22	20	<10
51508		1.69	2.30	0.64	233	1	2.97	11	270	5	0.07	<5	180	0.23	29	10
51509		1.64	2.62	0.41	209	2	3.39	5	300	5	0.05	<5	216	0.24	24	<10
51510		7.46	1.21	6.57	1195	1	1.72	200	340	<2	0.02	<5	295	0.44	246	10
51511		7.28	1.14	6.13	1150	1	1.85	177	350	<2	0.02	<5	323	0.45	255	10
51512		2.41	1.02	0.72	381	1	3.72	14	500	2	0.03	<5	354	0.34	56	10
51513		7.61	0.88	5.94	1180	<1	1.58	175	350	<2	0.04	<5	296	0.48	270	10
51514		7.49	0.59	6.43	1185	1	1.95	200	310	<2	0.03	<5	351	0.42	252	10
51515		7.85	0.64	6.35	1140	<1	2.07	186	350	<2	0.01	<5	323	0.44	271	10
51516		8.07	0.51	7.01	1200	1	2.09	176	350	4	0.03	<5	318	0.45	273	10
51517		7.26	0.69	5.94	1265	<1	1.44	169	400	<2	0.09	<5	284	0.44	259	10
51518		7.35	0.65	6.24	1300	2	1.53	170	400	<2	0.13	<5	278	0.43	256	10
51519		6.84	0.84	4.53	1125	<1	2.48	102	900	2	0.24	<5	530	0.53	258	10
51520		7.63	1.01	6.32	1345	1	1.94	138	800	3	0.12	<5	426	0.49	273	10
51521		7.24	1.14	6.83	1275	<1	1.84	166	400	<2	0.13	<5	336	0.43	253	10
51522		0.75	0.18	0.34	123	1	5.05	5	130	<2	0.08	<5	203	0.08	13	10
51523		0.50	0.60	0.10	66	2	4.53	6	80	<2	0.07	<5	295	0.06	4	10
51524		0.76	0.70	0.21	110	<1	4.39	6	110	<2	0.09	<5	348	0.09	7	10
51525		7.69	1.10	6.86	1410	2	2.18	294	300	<2	0.03	<5	255	0.48	112	10
51526		8.64	0.73	7.33	1275	<1	1.94	325	350	4	0.02	<5	186	0.52	136	10
51527		8.07	0.60	6.31	1160	1	2.47	286	370	<2	0.03	<5	218	0.50	130	10
51528		9.31	0.50	8.25	1310	1	1.96	354	370	4	0.02	<5	166	0.54	160	10
51529		9.79	0.66	7.68	1390	<1	2.20	325	430	<2	0.02	<5	249	0.57	152	10
51530		9.10	0.57	8.65	1250	<1	1.96	345	400	<2	0.01	<5	192	0.56	186	10
51531		9.65	0.64	7.91	1565	<1	2.06	338	410	<2	0.01	<5	229	0.56	164	<10
51532		9.44	0.64	7.95	1375	<1	2.06	343	390	<2	0.01	<5	231	0.56	144	10
51533		8.94	0.67	8.08	1235	<1	2.00	345	410	<2	0.02	<5	209	0.56	152	<10
51534		9.18	0.53	7.96	1170	1	1.98	342	410	3	0.01	<5	182	0.55	160	10



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TO: EMERALD FIELDS RESOURCE CORP.  
1546 PINE PORTAGE CORP  
KENORA ON P9N 2K2

Page: 2 - C  
Total # Pages: 2 (A - C)  
Date: 17-APR-2004  
Account: PJV

Project: PEARSON

## CERTIFICATE OF ANALYSIS VA04020790

Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
31501		77
31502		46
31503		28
31504		70
31505		12
31506		11
31507		16
31508		17
31509		18
31510		54
31511		51
31512		26
31513		46
31514		46
31515		52
31516		56
31517		60
31518		53
31519		47
31520		70
31521		70
31522		11
31523		8
31524		10
31525		72
31526		76
31527		62
31528		85
31529		82
31530		77
31531		74
31532		76
31533		80
31534		83



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1546 PINE PORTAGE CORP  
KENORA ON P9N 2K2

Page: 1  
Date: 23-APR-2004  
Account: PJV

## CERTIFICATE VA04020996

Project: Pearson

P.O. No.:

This report is for 30 Rock samples submitted to our lab in Vancouver, BC, Canada on 16-APR-2004.

The following have access to data associated with this certificate:

PERRY HEATHERINGTON

AL MOWAT

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
PGM-ICP23	Pt, Pd, Au 30g FA ICP	ICP-AES
ME-ICP61	27 element four acid ICP-AES	ICP-AES

To: EMERALD FIELDS RESOURCE CORP.  
ATTN: AL MOWAT  
1546 PINE PORTAGE CORP  
KENORA ON P9N 2K2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:





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 KENORA ON P9N 2K2

Page: 2 - A  
 Total Pages: 2 (A - C)  
 Date: 23-APR-2004  
 Account: PJV

Project: Pearson

## CERTIFICATE OF ANALYSIS VA04020996

Sample Description	Method Analyte Units LOR	WEI-21	PGM-ICP23	PGM-ICP23	PGM-ICP23	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Au ppm	Pt ppm	Pd ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.001	0.005	0.001	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1
351535		0.46	0.012	<0.005	0.003	<0.5	6.49	13	270	0.5	<2	16.45	<0.5	26	141	325
351536		1.28	0.006	0.006	0.013	<0.5	9.19	5	150	0.6	<2	7.73	<0.5	56	133	500
351537		1.96	0.005	<0.005	0.008	<0.5	8.82	<5	210	0.7	<2	6.79	<0.5	37	142	496
351538		1.58	0.002	<0.005	0.009	<0.5	8.69	<5	340	0.7	<2	6.15	<0.5	26	142	101
351539		2.54	0.003	<0.005	0.010	<0.5	8.75	<5	320	0.7	<2	5.18	<0.5	25	184	50
351540		1.50	0.003	<0.005	0.007	<0.5	8.95	<5	580	0.9	<2	3.93	<0.5	25	126	99
351541		1.76	0.001	<0.005	0.002	<0.5	7.97	<5	480	1.0	<2	3.71	<0.5	17	148	42
351542		0.96	0.003	0.018	0.014	<0.5	7.76	<5	320	0.7	<2	6.00	<0.5	48	376	50
351543		0.82	0.004	<0.005	<0.001	<0.5	8.93	7	400	0.9	<2	4.95	<0.5	34	37	227
351544		1.50	0.001	<0.005	0.002	<0.5	8.44	<5	220	1.0	<2	4.64	<0.5	22	194	26
351545		0.48	0.002	0.007	0.007	<0.5	8.26	7	540	<0.5	<2	6.09	<0.5	55	436	12
351546		2.10	<0.001	<0.005	<0.001	<0.5	7.13	<5	250	1.3	<2	1.06	<0.5	4	55	13
351547		1.14	0.104	<0.005	0.004	0.7	7.14	10	250	0.5	<2	12.35	<0.5	78	260	4740
351548		0.72	0.034	<0.005	0.005	<0.5	8.02	8	400	0.8	<2	13.40	<0.5	33	127	1390
351549		2.12	0.011	<0.005	0.007	<0.5	8.95	<5	480	0.8	<2	6.86	<0.5	25	126	383
351550		0.46	<0.001	<0.005	0.003	<0.5	8.71	<5	500	0.5	<2	7.48	<0.5	27	305	14
351551		2.22	0.001	0.005	0.009	<0.5	8.58	6	380	0.7	<2	6.71	<0.5	33	203	89
351552		1.90	0.001	<0.005	<0.001	<0.5	7.67	<5	800	1.2	<2	1.04	<0.5	3	42	14
351553		1.72	<0.001	<0.005	<0.001	<0.5	7.23	8	790	0.9	<2	0.95	<0.5	4	199	29
351554		1.58	<0.001	<0.005	<0.001	<0.5	7.57	<5	960	0.9	<2	1.18	<0.5	4	44	8
351555		2.00	<0.001	<0.005	<0.001	<0.5	8.01	6	950	1.1	<2	1.30	<0.5	5	67	12
351556		1.80	<0.001	<0.005	<0.001	<0.5	7.40	<5	950	1.0	<2	0.88	<0.5	5	162	6
351557		1.68	<0.001	<0.005	<0.001	<0.5	7.54	<5	580	1.1	<2	1.18	<0.5	7	50	26
351558		1.20	0.002	<0.005	<0.001	<0.5	8.95	<5	470	0.9	<2	4.92	<0.5	44	38	191
351559		1.46	<0.001	<0.005	<0.001	<0.5	7.29	<5	760	1.3	<2	1.22	<0.5	5	41	13
351560		3.00	<0.001	<0.005	<0.001	<0.5	7.57	<5	800	1.3	<2	0.93	<0.5	5	142	8
351561		0.66	0.060	0.018	0.088	1.2	1.70	18	20	<0.5	<2	11.00	<0.5	970	27	7860
351562		1.98	0.007	0.005	0.014	<0.5	8.51	<5	220	0.6	<2	6.05	<0.5	46	155	354
351563		1.14	0.002	0.006	0.011	<0.5	8.79	8	420	0.6	<2	4.87	<0.5	30	138	108
351600		0.54	0.002	<0.005	0.001	<0.5	8.10	6	30	<0.5	<2	11.55	<0.5	44	97	15



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ALS Canada Ltd.  
 212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: EMERALD FIELDS RESOURCE CORP.  
 1546 PINE PORTAGE CORP  
 KENORA ON P9N 2K2

Page: 2 - B  
 Total Pages: 2 (A - C)  
 Date: 23-APR-2004  
 Account: PJV

Project: Pearson

## CERTIFICATE OF ANALYSIS VA04020996

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sr ppm	Tl %	V ppm	W ppm
		0.01	0.01	0.01	5	1	0.01	1	10	2	0.01	5	0.01	1	10	
51535		5.09	1.14	2.73	1340	2	0.55	42	280	7	0.20	<5	437	0.42	120	10
51536		6.84	0.62	3.76	1170	21	2.98	81	570	<2	0.74	<5	477	0.88	275	<10
51537		5.44	0.85	2.94	967	162	3.53	55	550	<2	0.62	<5	654	0.74	210	<10
51538		4.42	0.90	2.75	766	8	3.34	54	550	4	0.13	<5	557	0.72	204	<10
51539		5.25	0.88	2.85	866	2	3.19	64	520	<2	0.07	<5	437	0.72	211	<10
51540		4.90	1.54	2.44	778	2	3.23	49	530	4	0.08	<5	432	0.65	170	<10
51541		3.96	1.60	1.96	790	1	3.44	27	880	5	0.07	<5	425	0.44	152	<10
51542		8.66	0.95	5.77	1415	1	1.90	291	910	5	0.04	<5	290	1.16	301	<10
51543		5.74	1.04	2.42	657	2	3.51	21	1470	3	0.45	<5	680	0.58	238	<10
51544		4.06	0.82	3.19	719	1	3.72	106	460	2	0.08	<5	417	0.45	133	10
51545		8.58	1.37	7.44	1480	1	1.38	371	280	3	0.04	<5	150	0.40	224	<10
51546		0.93	0.85	0.30	116	<1	4.39	6	150	2	0.09	<5	214	0.11	12	<10
51547		8.81	0.94	4.27	1790	2	0.80	110	660	6	1.79	<5	348	0.66	194	10
51548		5.01	1.66	4.03	1515	3	0.20	22	590	<2	0.49	<5	219	0.90	147	<10
51549		4.88	1.40	2.59	1020	30	2.88	47	506	2	0.20	<5	509	0.61	164	10
51550		7.31	1.12	5.81	1395	<1	2.00	124	940	<2	0.02	<5	514	0.52	270	10
51551		6.18	0.97	4.14	1105	4	2.57	89	600	2	0.12	<5	440	0.77	260	<10
51552		1.54	2.72	0.40	217	<1	3.38	4	300	3	0.03	<5	238	0.23	24	<10
51553		1.74	2.66	0.32	203	1	3.11	7	280	4	0.03	<5	190	0.23	21	<10
51554		1.76	2.24	0.39	207	2	3.52	3	340	4	0.03	<5	241	0.27	25	<10
51555		2.06	1.97	0.46	224	2	4.00	2	390	<2	0.02	<5	312	0.29	31	<10
51556		1.64	2.63	0.35	203	1	3.45	1	300	4	0.03	<5	251	0.22	22	<10
51557		1.34	1.70	0.32	166	<1	3.97	2	310	3	0.12	<5	338	0.23	24	10
51558		5.37	1.16	2.31	608	2	3.67	15	1460	<2	0.85	<5	621	0.59	232	<10
51559		1.54	2.30	0.41	177	1	3.32	4	310	2	0.11	<5	214	0.22	23	10
51560		1.74	2.27	0.37	211	2	3.56	4	320	2	0.04	<5	204	0.21	23	<10
51561		34.8	0.02	0.52	1745	9	0.09	539	470	14	>10.0	<5	14	0.05	40	10
51562		7.38	0.82	3.46	1195	7	2.59	95	570	8	0.68	<5	376	0.83	253	<10
51563		5.84	1.10	3.56	968	2	2.72	71	570	4	0.09	<5	427	0.81	246	10
51600		6.55	0.18	5.45	1260	2	0.81	234	280	5	0.02	<5	99	0.39	123	<10



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To: EMERALD FIELDS RESOURCE CORP.  
1546 PINE PORTAGE CORP  
KENORA ON P9N 2K2

Page: 2 - C  
Total Pages: 2 (A - C)  
Date: 23-APR-2004  
Account: PJV

Project: Pearson

## CERTIFICATE OF ANALYSIS VA04020996

Sample Description	Method Analyte Units LOR	ME-ICP61
		Zn ppm 2
51535		54
51536		71
51537		55
51538		51
51539		56
51540		59
51541		48
51542		72
51543		41
51544		45
51545		103
51546		14
51547		108
51548		83
51549		65
51550		91
51551		71
51552		24
51553		21
51554		21
51555		25
51556		19
51557		15
51558		42
51559		15
51560		27
51561		69
51562		68
51563		66
51600		43



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KENORA ON P9N 2K2

Page: 1

Date: 29-APR-2004

Account: PJ

## CERTIFICATE VA04022539

Project: Pearson

P.O. No.:

This report is for 20 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 22-APR-2004.

The following have access to data associated with this certificate:

PERRY HEATHERINGTON

AL MOWAT

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
PGM-ICP23	Pt, Pd, Au 30g FA ICP	ICP-AES
ME-ICP61	27 element four acid ICP-AES	ICP-AES

To: **EMERALD FIELDS RESOURCE CORP.**  
**ATTN: PERRY HEATHERINGTON**  
**1546 PINE PORTAGE CORP**  
**KENORA ON P9N 2K2**

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: \_\_\_\_\_



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 North Vancouver BC V7J 2C1 Canada  
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EMERALD FIELDS RESOURCE CORP.  
 1546 PINE PORTAGE CORP  
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Page: 2 -  
 Total # Pages: 2 (A - 1)  
 Date: 29-APR-2006  
 Account: PJ

Project: Pearson

## CERTIFICATE OF ANALYSIS VA04022539

Sample Description	Method Analyte Units LOR	WEI-21	PGM-ICP23	PGM-ICP23	PGM-ICP23	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Au ppm	Pt ppm	Pd ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.001	0.005	0.001	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1
351564		1.70	0.001	0.006	0.012	<0.5	8.83	<5	330	0.9	<2	5.04	<0.5	30	149	101
351565		1.76	0.001	0.006	0.005	<0.5	8.83	<5	690	1.0	<2	3.98	<0.5	19	146	65
351566		1.42	<0.001	0.005	0.001	<0.5	8.27	<5	370	1.1	<2	3.89	<0.5	17	173	51
351567		1.58	<0.001	0.005	0.003	<0.5	8.52	<5	500	1.3	<2	3.83	<0.5	15	203	17
351568		2.00	<0.001	<0.005	0.002	<0.5	9.05	<5	590	1.2	<2	3.94	<0.5	13	170	49
351569		0.54	<0.001	<0.005	0.005	<0.5	9.06	<5	550	0.9	<2	10.70	<0.5	24	219	11
351570		2.96	<0.001	0.005	0.005	<0.5	8.23	<5	610	0.7	<2	4.13	<0.5	28	188	45
351571		1.60	<0.001	0.006	0.008	<0.5	8.47	<5	470	1.1	<2	4.80	<0.5	23	266	19
351572		2.08	<0.001	0.006	0.009	<0.5	8.67	<5	570	1.1	<2	4.08	<0.5	15	180	35
351573		2.26	<0.001	0.006	0.005	<0.5	8.69	<5	460	1.1	<2	5.39	<0.5	21	232	24
351574		2.30	<0.001	0.007	0.002	<0.5	8.34	<5	240	1.0	<2	5.37	<0.5	25	180	46
351575		2.02	0.007	0.005	0.002	<0.5	8.77	<5	340	0.9	<2	6.33	<0.5	18	147	103
351576		2.74	0.003	<0.005	0.002	<0.5	8.41	<5	380	1.0	<2	5.06	<0.5	19	120	36
351577		4.12	0.001	0.009	0.007	<0.5	8.08	<5	270	<0.5	<2	6.00	<0.5	58	409	32
351578		2.30	<0.001	0.008	0.006	<0.5	8.72	<5	320	0.7	<2	5.56	<0.5	38	244	30
351579		2.30	<0.001	0.005	0.002	<0.5	8.20	<5	270	0.8	<2	4.34	<0.5	29	241	9
351580		2.02	<0.001	<0.005	0.001	<0.5	8.09	<5	90	<0.5	<2	2.98	<0.5	71	132	207
351581		1.34	0.001	0.006	0.001	<0.5	7.90	<5	260	<0.5	<2	3.41	<0.5	68	130	176
351582		2.56	0.001	0.005	0.001	<0.5	7.78	<5	130	<0.5	<2	4.97	<0.5	64	140	61
351583		1.86	<0.001	<0.005	0.002	<0.5	8.17	<5	360	<0.5	<2	6.79	<0.5	45	94	6



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EMERALD FIELDS RESOURCE CORP.  
 1546 PINE PORTAGE CORP  
 KENORA ON P9N 2K2

Page: 2 -  
 Total # Pages: 2 (A - C)  
 Date: 29-APR-200  
 Account: PJ

Project: Pearson

## CERTIFICATE OF ANALYSIS VA04022539

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W
		%	%	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.01	0.01	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10
351564		6.11	1.01	3.24	951	3	2.93	55	740	6	0.10	<5	463	0.80	254	<10
351565		4.70	1.56	2.20	778	2	3.62	36	760	5	0.08	<5	542	0.68	182	<10
351566		3.60	1.35	2.00	715	3	3.54	61	630	5	0.09	<5	401	0.43	127	<10
351567		4.02	1.64	2.06	794	1	3.56	63	580	9	0.03	<5	416	0.47	133	<10
351568		3.35	1.66	1.66	703	3	4.00	37	600	7	0.07	<5	534	0.52	114	<10
351569		4.24	1.35	3.63	949	1	1.30	134	590	4	0.03	<5	250	0.42	163	<10
351570		4.21	1.65	3.23	785	3	2.51	100	300	6	0.08	<5	241	0.32	130	<10
351571		4.74	1.38	2.84	921	3	2.77	122	520	7	0.04	<5	342	0.54	163	<10
351572		3.17	1.74	1.90	630	3	3.12	53	510	4	0.07	<5	419	0.45	116	<10
351573		4.48	1.59	3.07	920	2	2.89	109	570	10	0.03	<5	361	0.57	167	<10
351574		4.70	0.94	3.16	908	3	3.44	81	660	3	0.08	<5	379	0.52	174	<10
351575		3.53	1.42	2.84	798	3	2.81	58	670	6	0.08	<5	570	0.52	187	<10
351576		4.57	1.14	2.47	951	3	3.38	35	780	9	0.10	<5	459	0.47	195	<10
351577		6.89	0.81	7.69	1125	2	2.05	376	240	5	0.01	<5	327	0.41	218	<10
351578		5.76	1.04	4.73	998	3	2.87	200	460	4	0.10	<5	344	0.54	181	<10
351579		4.98	0.90	3.78	909	1	3.19	172	310	10	0.05	<5	270	0.39	111	<10
351580		9.25	0.71	8.67	1285	1	2.01	337	380	7	0.06	<5	100	0.55	174	<10
351581		8.67	0.61	7.90	1230	1	2.05	315	380	<2	0.03	<5	219	0.54	210	<10
351582		8.68	0.45	7.49	1250	1	2.08	307	360	2	0.01	<5	174	0.52	159	<10
351583		6.57	1.58	5.24	1110	1	1.58	160	550	7	0.01	<5	290	0.47	193	<10



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1546 PINE PORTAGE CORP  
KENORA ON P9N 2K2

Page: 2 -  
Total # Pages: 2 (A -  
Date: 29-APR-20  
Account: P.

Project: Pearson

## CERTIFICATE OF ANALYSIS VA04022539

Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
351564		60
351565		52
351566		43
351567		47
351568		40
351569		44
351570		45
351571		50
351572		38
351573		48
351574		50
351575		42
351576		51
351577		51
351578		57
351579		57
351580		77
351581		70
351582		64
351583		44





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1546 PINE PORTAGE CORP

KENORA ON P9N 2K2

Page:

Date: 1-MAY-2004

Account: PJ

## CERTIFICATE VA04022538

Project: Pearson

P.O. No.:

This report is for 30 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 23-APR-2004.

The following have access to data associated with this certificate:

PERRY HEATHERINGTON

AL MOWAT

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
PGM-ICP23	Pt, Pd, Au 30g FA ICP	ICP-AES
ME-ICP61	27 element four acid ICP-AES	ICP-AES

To: EMERALD FIELDS RESOURCE CORP.  
ATTN: PERRY HEATHERINGTON  
1546 PINE PORTAGE CORP  
KENORA ON P9N 2K2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:



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EMERALD FIELDS RESOURCE CORP.

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Page: 2 -

Total # Pages: 2 (A -

Date: 1-MAY-20

Account: P.

Project: Pearson

## CERTIFICATE OF ANALYSIS VA04022538

Sample Description	Method Analyte Units LOR	WEI-21	PGM-ICP23	PGM-ICP23	PGM-ICP23	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Au ppm	Pt ppm	Pd ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.001	0.005	0.001	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1
351584		0.54	0.001	0.005	0.001	<0.5	9.76	<5	750	1.2	2	3.56	<0.5	10	89	4
351585		0.74	0.003	0.006	<0.001	<0.5	7.12	<5	340	0.7	<2	7.13	<0.5	39	348	65
351586		0.46	<0.001	0.007	<0.001	<0.5	7.36	8	310	0.5	<2	7.05	<0.5	41	342	57
351587		0.92	0.005	0.007	0.004	<0.5	9.93	<5	750	1.2	<2	4.08	<0.5	9	72	16
351588		0.38	0.001	<0.005	<0.001	<0.5	9.52	7	640	1.1	<2	3.54	<0.5	10	94	17
351589		0.48	0.001	0.007	<0.001	<0.5	9.56	<5	680	1.1	<2	3.72	<0.5	8	67	9
351590		0.46	<0.001	0.008	<0.001	<0.5	7.50	<5	340	1.5	<2	6.09	<0.5	4	168	26
351591		0.28	<0.001	0.007	<0.001	<0.5	9.15	8	510	1.3	<2	3.22	<0.5	7	97	12
351592		0.36	0.012	0.010	0.001	<0.5	9.88	11	690	1.3	<2	8.43	<0.5	18	83	87
351593		3.52	<0.001	0.012	<0.001	0.7	3.16	11	10	<0.5	5	8.60	<0.5	34	108	21
351594		2.86	<0.001	<0.005	0.001	0.6	4.66	6	10	<0.5	3	12.25	<0.5	27	167	46
351595		3.54	<0.001	<0.005	<0.001	0.5	3.42	15	10	<0.5	2	9.32	<0.5	32	92	19
351596		3.18	<0.001	0.005	<0.001	0.5	3.25	8	<10	<0.5	2	8.95	<0.5	38	118	22
351597		3.12	<0.001	<0.005	<0.001	<0.5	2.87	13	<10	<0.5	<2	8.76	<0.5	39	100	49
351598		3.08	<0.001	0.005	<0.001	<0.5	3.48	15	<10	<0.5	3	11.50	<0.5	28	105	16
351599		2.92	<0.001	0.007	<0.001	<0.5	3.69	11	<10	<0.5	<2	15.30	<0.5	17	81	61
351601		2.48	<0.001	0.006	0.001	<0.5	3.39	13	<10	<0.5	<2	15.25	<0.5	20	128	10
351602		2.12	0.001	0.008	<0.001	<0.5	3.54	13	<10	<0.5	3	15.10	<0.5	20	120	53
351603		0.40	<0.001	<0.005	0.002	<0.5	4.16	17	<10	<0.5	2	17.40	<0.5	43	189	634
351604		1.00	<0.001	0.005	<0.001	<0.5	3.48	6	10	<0.5	<2	16.05	0.8	14	143	23
351605		2.36	<0.001	0.005	<0.001	<0.5	3.94	9	<10	<0.5	<2	16.90	<0.5	16	149	62
351606		2.18	<0.001	0.008	0.001	<0.5	3.97	19	20	<0.5	2	17.70	0.6	22	244	146
351607		3.02	<0.001	<0.005	<0.001	<0.5	4.37	21	10	<0.5	<2	18.35	<0.5	16	218	116
351608		2.20	<0.001	0.009	0.001	<0.5	4.14	17	10	<0.5	2	16.10	0.7	21	158	126
351609		2.48	<0.001	<0.005	<0.001	<0.5	3.52	12	10	<0.5	<2	14.85	0.9	17	144	42
351610		3.38	<0.001	<0.005	<0.001	<0.5	3.81	13	60	<0.5	2	15.60	0.6	21	232	112
351611		2.28	<0.001	0.006	<0.001	<0.5	3.89	24	80	<0.5	<2	16.10	0.7	16	262	32
351612		1.56	<0.001	<0.005	<0.001	<0.5	3.86	26	60	<0.5	<2	14.85	0.6	22	209	26
351613		0.34	<0.001	0.010	0.003	<0.5	7.06	<5	30	<0.5	<2	10.55	<0.5	29	178	5
351614		1.70	<0.001	<0.005	<0.001	<0.5	4.98	19	40	<0.5	2	19.90	<0.5	18	180	90



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 Account: P.

Project: Pearson

## CERTIFICATE OF ANALYSIS VA04022538

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	V ppm	W ppm
		0.01	0.01	0.01	5	1	0.01	1	10	2	0.01	5	1	0.01	1	
351584		3.73	1.20	1.02	673	1	4.25	5	1160	13	0.02	<5	633	0.51	97	<10
351585		5.80	1.20	6.43	1080	3	1.97	136	390	10	0.14	<5	276	0.40	196	<10
351586		5.90	1.45	6.30	1145	1	1.90	134	540	8	0.15	<5	274	0.38	200	<10
351587		4.35	1.18	1.14	881	3	4.56	6	1400	6	0.07	<5	619	0.74	93	<10
351588		4.04	0.97	1.16	843	2	4.45	9	1380	9	0.07	<5	639	0.59	97	<10
351589		3.54	1.23	0.95	727	3	4.66	6	1120	10	0.04	<5	716	0.50	87	<10
351590		4.41	0.95	0.54	1390	3	2.53	5	370	6	0.11	<5	528	0.22	50	<10
351591		3.15	1.67	0.86	609	4	4.52	5	960	10	0.18	<5	551	0.47	75	<10
351592		6.42	1.37	1.78	1220	2	1.50	12	1480	12	0.50	<5	640	0.58	174	<10
351593		45.7	<0.01	1.56	>10000	2	0.01	11	10	39	0.07	<5	10	0.12	85	<10
351594		31.8	0.04	1.38	7920	1	0.05	12	100	24	0.12	<5	75	0.15	86	<10
351595		42.7	<0.01	2.33	9180	2	0.01	6	<10	32	0.10	<5	18	0.13	80	<10
351596		38.0	<0.01	2.44	7080	1	0.02	9	40	32	0.19	<5	168	0.13	82	<10
351597		41.3	<0.01	2.22	8930	2	<0.01	14	<10	32	0.16	<5	14	0.11	76	<10
351598		35.3	<0.01	1.68	7650	1	0.01	3	10	24	0.05	<5	50	0.11	72	<10
351599		18.80	<0.01	3.35	5490	2	0.02	3	10	15	0.08	<5	53	0.12	54	<10
351601		18.55	<0.01	4.06	5420	1	0.02	6	<10	17	0.04	<5	33	0.12	50	<10
351602		18.90	<0.01	3.01	5010	2	0.02	7	<10	17	0.53	<5	76	0.13	57	<10
351603		13.45	<0.01	2.38	4560	2	0.03	14	10	12	0.53	<5	131	0.14	60	<10
351604		18.70	<0.01	2.53	5010	3	0.02	6	10	15	0.07	<5	45	0.13	57	<10
351605		21.7	<0.01	3.01	5550	2	0.02	6	10	20	0.05	<5	70	0.12	63	<10
351606		16.30	<0.01	2.26	5020	3	0.03	12	10	14	0.18	<5	67	0.14	65	<10
351607		17.00	0.02	1.95	5190	2	0.04	9	20	16	0.09	<5	47	0.14	70	<10
351608		16.25	0.01	2.90	5290	2	0.02	6	30	11	0.32	<5	65	0.16	59	<10
351609		16.05	<0.01	3.57	4260	1	0.03	8	10	13	0.18	<5	76	0.12	46	<10
351610		19.45	0.01	2.14	4480	2	0.02	8	10	14	0.26	<5	92	0.13	65	<10
351611		20.9	0.01	2.05	4460	1	0.02	5	<10	18	0.14	<5	67	0.14	65	<10
351612		21.5	0.02	1.80	4310	3	0.02	11	20	18	0.20	<5	126	0.14	72	<10
351613		11.45	0.28	3.53	3680	3	0.74	47	710	12	0.23	<5	1215	0.34	170	<10
351614		12.85	0.01	1.65	4970	4	0.03	10	160	11	0.37	<5	153	0.16	64	<10



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Account: P

Project: Pearson

## CERTIFICATE OF ANALYSIS VA04022538

Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
351584		51
351585		67
351586		64
351587		55
351588		61
351589		54
351590		42
351591		51
351592		75
351593		1225
351594		726
351595		1145
351596		863
351597		1155
351598		953
351599		490
351601		485
351602		406
351603		126
351604		345
351605		473
351606		283
351607		273
351608		337
351609		303
351610		268
351611		327
351612		264
351613		255
351614		93



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Date: 5-MAY-2004

Account: PJ

## CERTIFICATE VA04024284

Project: Pearson

P.O. No.:

This report is for 11 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 29-APR-2004.

The following have access to data associated with this certificate:

AL MOWAT

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	27 element four acid ICP-AES	ICP-AES
PGM-ICP23	Pt, Pd, Au 30g FA ICP	ICP-AES

To: EMERALD FIELDS RESOURCE CORP.

ATTN: AL MOWAT

1546 PINE PORTAGE CORP

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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:



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Project: Pearson

## CERTIFICATE OF ANALYSIS VA04024284

Sample Description	Method Analyte Units LOR	WEI-21	PGM-ICP23	PGM-ICP23	PGM-ICP23	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Au ppm	Pt ppm	Pd ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.001	0.005	0.001	0.5	0.04	5	10	0.5	2	0.01	0.5	1	1	1
M351615		1.12	<0.001	<0.005	0.002	<0.5	8.97	<5	580	0.6	<2	5.43	<0.5	20	128	3
M351616		1.32	<0.001	<0.005	<0.001	0.5	6.19	22	20	<0.5	2	20.6	<0.5	19	122	126
M351617		2.92	<0.001	<0.005	<0.001	<0.5	4.59	15	10	<0.5	2	21.9	<0.5	6	109	108
M351618		0.40	0.001	<0.005	0.001	<0.5	4.02	26	10	<0.5	<2	17.95	<0.5	62	152	277
M351619		0.38	<0.001	<0.005	<0.001	<0.5	3.37	24	10	<0.5	2	19.70	<0.5	5	100	5
M351620		0.92	0.001	<0.005	0.001	<0.5	3.69	21	20	<0.5	<2	17.65	<0.5	54	130	443
M351621		0.48	<0.001	<0.005	<0.001	<0.5	3.50	30	10	<0.5	<2	19.05	<0.5	7	85	59
M351622		0.52	<0.001	<0.005	<0.001	<0.5	1.86	15	<10	<0.5	<2	30.1	<0.5	2	56	4
M351623		0.32	<0.001	<0.005	<0.001	<0.5	8.88	<5	1020	0.9	<2	3.58	<0.5	3	50	5
M351624		0.34	<0.001	<0.005	0.001	<0.5	2.92	22	20	<0.5	<2	20.3	<0.5	2	97	2
M351625		0.32	<0.001	<0.005	<0.001	<0.5	2.73	14	<10	<0.5	<2	19.20	<0.5	10	80	2



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Project: Pearson

## CERTIFICATE OF ANALYSIS VA04024284

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	V ppm	W ppm
		0.01	0.01	0.01	5	1	0.01	1	10	2	0.01	5	1	0.01	1	
M351615		6.16	1.78	3.18	2060	<1	3.53	51	750	<2	0.03	<5	539	0.32	166	<10
M351616		11.25	0.04	1.91	5380	2	0.07	20	480	3	0.42	<5	191	0.20	96	<10
M351617		12.35	0.01	2.51	5300	3	0.04	16	230	8	0.10	<5	89	0.14	76	<10
M351618		15.15	0.01	3.94	4210	2	0.04	42	30	13	1.05	<5	96	0.15	66	<10
M351619		9.74	<0.01	5.30	3860	1	0.03	16	10	8	0.05	<5	37	0.11	50	<10
M351620		19.20	0.01	2.41	4100	3	0.03	49	20	12	1.37	<5	63	0.13	86	<10
M351621		14.95	0.01	2.41	3870	2	0.02	12	30	4	0.39	<5	39	0.10	67	<10
M351622		4.18	<0.01	0.96	3920	1	0.01	9	660	6	<0.01	<5	85	0.07	47	<10
M351623		1.46	2.13	0.45	554	1	4.89	5	520	<2	0.01	6	438	0.26	39	<10
M351624		2.38	0.04	1.42	2750	1	0.11	25	1100	3	0.02	<5	92	0.11	68	<10
M351625		9.04	<0.01	1.70	4290	1	0.04	17	390	7	<0.01	<5	21	0.08	50	<10



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## CERTIFICATE OF ANALYSIS VA04024284

Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
M351615 M351616 M351617 M351618 M351619		124 71 98 196 141
M351620 M351621 M351622 M351623 M351624		202 116 80 30 81
M351625		122





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Date: 5-MAY-2004

Account: PJJ

Project: Pearson

## CERTIFICATE OF ANALYSIS VA04024283

Sample Description	Method Analyte Units LOR	ME-ICP61
		Zn ppm 2
M351626		85
M351627		95
M351628		98
M351629		102
M351630		62
M351631		50
M351632		87
M351633		81
M351634		88
M351635		90
M351636		89
M351637		89
M351638		75
M351639		77
M351640		84



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## CERTIFICATE OF ANALYSIS VA04024283

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		Fe	K	Mg	Mn	Mo	Na	NI	P	Pb	S	Sb	Sr	Tl	V	W
		%	%	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.01	0.01	5	1	0.01	1	10	2	0.01	5	1	0.01	1	
M351626		8.15	0.47	3.02	1380	1	2.27	20	3650	<2	0.21	<5	673	0.76	344	<10
M351627		8.58	0.16	3.51	1420	<1	1.70	33	320	<2	0.14	<5	760	0.66	394	<10
M351628		9.36	0.25	3.37	1375	1	1.68	21	3000	2	0.25	<5	760	0.77	413	<10
M351629		8.66	0.22	3.26	1365	<1	1.70	28	1760	<2	0.17	<5	542	0.77	349	<10
M351630		6.26	0.20	4.39	1215	<1	1.43	79	220	2	0.14	<5	791	0.38	243	<10
M351631		5.07	0.25	4.15	1175	<1	1.62	43	200	2	0.08	<5	742	0.32	196	<10
M351632		8.66	0.21	4.85	1475	1	1.35	47	160	<2	0.15	<5	495	0.64	373	<10
M351633		7.36	0.22	3.45	1230	1	1.32	35	320	<2	0.14	<5	673	0.58	319	<10
M351634		8.32	0.15	3.73	1385	1	1.28	31	1500	2	0.11	<5	651	0.73	395	<10
M351635		8.99	0.17	4.14	1480	1	1.43	33	490	<2	0.13	<5	594	0.74	436	<10
M351636		8.28	0.12	3.58	1230	<1	1.54	31	1450	<2	0.11	<5	531	0.75	396	<10
M351637		8.55	0.07	4.04	1310	<1	0.88	32	260	<2	0.08	<5	233	0.70	392	<10
M351638		7.06	0.02	3.18	1035	1	0.37	27	390	<2	0.06	<5	81	0.57	348	<10
M351639		7.46	0.02	3.47	1100	1	0.39	47	830	<2	0.06	<5	242	0.58	340	<10
M351640		7.75	0.16	3.91	1415	<1	1.56	30	340	<2	0.15	<5	584	0.60	336	<10



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 Date: 5-MAY-2004  
 Account: PJV

Project: Pearson

## CERTIFICATE OF ANALYSIS VA04024283

Sample Description	Method Analyte Units LOR	WEI-21	PGM-ICP23	PGM-ICP23	PGM-ICP23	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		Recvd Wt. kg	Au ppm	Pt ppm	Pd ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
M351626		0.90	<0.001	<0.005	0.001	<0.5	10.60	9	370	<0.5	<2	7.43	<0.5	31	39	140
M351627		1.06	0.001	0.005	0.004	<0.5	10.35	<5	140	<0.5	<2	8.69	<0.5	37	80	158
M351628		0.90	0.001	<0.005	0.001	<0.5	10.55	6	180	<0.5	<2	8.23	<0.5	38	46	160
M351629		0.80	0.001	<0.005	0.002	<0.5	9.60	<5	160	<0.5	<2	7.55	<0.5	33	52	132
M351630		0.82	0.002	<0.005	0.007	<0.5	9.74	<5	180	<0.5	<2	9.98	<0.5	31	190	248
M351631		1.14	0.001	0.005	0.011	<0.5	9.26	9	200	<0.5	<2	9.69	<0.5	27	229	158
M351632		0.94	<0.001	0.005	0.002	<0.5	9.43	<5	150	<0.5	<2	7.72	<0.5	44	89	186
M351633		0.62	<0.001	0.007	0.005	<0.5	10.30	12	150	<0.5	<2	8.85	<0.5	34	72	127
M351634		1.40	<0.001	<0.005	<0.001	<0.5	10.15	6	120	<0.5	<2	8.48	<0.5	35	52	115
M351635		1.10	<0.001	<0.005	<0.001	<0.5	10.30	10	160	<0.5	<2	8.19	<0.5	38	63	134
M351636		1.30	<0.001	<0.005	0.001	<0.5	10.20	<5	130	<0.5	<2	7.97	<0.5	38	42	126
M351637		1.36	<0.001	<0.005	0.001	<0.5	9.98	<5	60	<0.5	<2	9.05	<0.5	39	64	148
M351638		1.98	<0.001	<0.005	0.001	<0.5	9.91	<5	20	<0.5	<2	10.45	<0.5	29	59	97
M351639		1.74	<0.001	<0.005	0.002	<0.5	10.25	11	20	<0.5	<2	10.15	<0.5	32	80	105
M351640		2.50	0.001	0.006	0.006	<0.5	10.25	8	130	<0.5	<2	8.21	<0.5	34	85	142



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212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: EMERALD FIELDS RESOURCE CORP.  
1546 PINE PORTAGE CORP  
KENORA ON P9N 2K2

Page: 1  
Date: 5-MAY-2004  
Account: PJV

## CERTIFICATE VA04024283

Project: Pearson

P.O. No.:

This report is for 15 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 29-APR-2004.

The following have access to data associated with this certificate:

AL MOWAT

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	27 element four acid ICP-AES	ICP-AES
PGM-ICP23	Pt, Pd, Au 30g FA ICP	ICP-AES

To: EMERALD FIELDS RESOURCE CORP.  
ATTN: AL MOWAT  
1546 PINE PORTAGE CORP  
KENORA ON P9N 2K2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:



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Page: 1  
Date: 5-MAY-2004  
Account: PJV

## CERTIFICATE VA04024285

Project: Pearson  
P.O. No.:  
This report is for 37 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 29-APR-2004.  
The following have access to data associated with this certificate:  
AL MOWAT

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	27 element four acid ICP-AES	ICP-AES
PGM-ICP23	Pt, Pd, Au 30g FA ICP	ICP-AES

To: EMERALD FIELDS RESOURCE CORP.  
ATTN: AL MOWAT  
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Page: 2 - A  
 Total # Pages: 2 (A - C)  
 Date: 5-MAY-2004  
 Account: PJV

Project: Pearson

## CERTIFICATE OF ANALYSIS VA04024285

Sample Description	Method Analyte Units LOR	WEI-21	PGM-ICP23	PGM-ICP23	PGM-ICP23	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt.	Au	Pt	Pd	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
		kg 0.02	ppm 0.001	ppm 0.005	ppm 0.001	ppm 0.5	% 0.01	ppm 5	ppm 10	ppm 0.5	ppm 2	% 0.01	ppm 0.5	ppm 1	ppm 1	ppm 1
M351641		2.12	<0.001	0.005	0.004	<0.5	10.30	5	170	<0.5	<2	8.33	<0.5	34	71	134
M351642		2.12	<0.001	<0.005	0.004	<0.5	10.25	<5	90	<0.5	<2	9.32	<0.5	39	87	164
M351643		2.38	<0.001	<0.005	0.002	<0.5	9.81	<5	140	<0.5	<2	8.19	<0.5	36	86	142
M351644		1.92	0.001	<0.005	0.003	<0.5	9.02	5	110	<0.5	<2	8.11	<0.5	36	118	150
M351645		0.96	0.002	<0.005	0.002	<0.5	5.83	<5	50	<0.5	<2	7.16	<0.5	68	47	300
M351646		1.04	0.001	<0.005	0.001	<0.5	9.63	<5	140	<0.5	<2	7.87	<0.5	34	54	164
M351647		2.76	0.001	<0.005	0.002	<0.5	10.55	<5	150	<0.5	<2	8.35	<0.5	33	79	169
M351648		2.00	0.001	<0.005	0.002	<0.5	10.60	<5	130	<0.5	<2	8.45	<0.5	30	67	132
M351649		1.82	<0.001	<0.005	0.002	<0.5	10.35	6	160	<0.5	<2	7.46	<0.5	25	53	97
M351650		2.04	0.001	<0.005	0.001	<0.5	10.55	<5	140	<0.5	<2	7.80	<0.5	32	49	89
M351651		2.48	<0.001	<0.005	0.002	<0.5	10.00	8	150	<0.5	<2	7.28	<0.5	34	55	104
M351652		1.30	<0.001	<0.005	0.001	<0.5	9.96	9	150	<0.5	<2	7.66	<0.5	36	47	140
M351653		2.18	<0.001	<0.005	0.002	<0.5	9.88	8	140	<0.5	<2	7.98	<0.5	38	68	160
M351654		1.82	<0.001	0.005	0.006	<0.5	9.48	<5	180	<0.5	<2	7.77	<0.5	35	88	130
M351655		2.44	<0.001	<0.005	0.001	<0.5	9.87	<5	240	<0.5	<2	8.12	<0.5	13	65	59
M351656		2.68	0.006	<0.005	0.003	<0.5	8.62	6	60	<0.5	<2	8.59	<0.5	48	67	287
M351657		2.46	0.001	<0.005	0.005	<0.5	8.65	<5	70	<0.5	<2	9.97	<0.5	35	130	168
M351658		3.32	0.002	0.006	0.007	<0.5	8.62	<5	80	<0.5	<2	8.98	<0.5	37	112	180
M351659		2.42	0.001	<0.005	0.005	<0.5	9.76	<5	100	<0.5	<2	10.15	<0.5	33	209	166
M351660		2.00	0.006	<0.005	0.010	<0.5	9.47	7	100	<0.5	<2	10.30	<0.5	28	208	186
M351661		2.48	0.002	<0.005	0.014	<0.5	9.22	12	90	<0.5	<2	10.65	<0.5	27	252	212
M351662		2.60	0.004	<0.005	0.012	<0.5	9.28	<5	100	<0.5	<2	10.35	<0.5	26	241	168
M351663		2.30	0.001	0.005	0.009	<0.5	9.30	<5	160	<0.5	<2	9.78	<0.5	31	240	190
M351664		2.82	0.001	0.007	0.006	<0.5	9.55	<5	150	<0.5	<2	8.91	<0.5	28	168	142
M351665		2.06	0.007	<0.005	<0.001	<0.5	10.25	<5	200	<0.5	<2	7.93	<0.5	39	60	144
M351666		1.26	<0.001	<0.005	0.004	<0.5	9.59	<5	100	<0.5	<2	7.89	<0.5	40	53	117
M351667		2.50	0.001	<0.005	0.004	<0.5	9.46	<5	100	<0.5	<2	8.70	<0.5	42	117	138
M351668		2.74	<0.001	<0.005	0.002	<0.5	10.30	<5	90	<0.5	<2	8.57	<0.5	44	60	164
M351669		2.10	0.001	<0.005	0.008	<0.5	9.57	5	70	<0.5	<2	8.69	<0.5	44	107	103
M351670		2.78	0.007	0.005	0.014	<0.5	9.74	<5	150	<0.5	<2	9.70	<0.5	27	188	108
M351671		3.14	0.007	0.005	0.016	<0.5	9.75	8	90	<0.5	<2	9.93	<0.5	30	195	120
M351672		0.56	0.001	<0.005	0.006	<0.5	8.80	<5	80	0.7	<2	7.48	<0.5	14	180	64
M351673		2.36	0.001	0.005	0.016	<0.5	9.80	9	120	<0.5	<2	9.30	<0.5	32	180	75
M351674		2.32	0.001	<0.005	0.011	<0.5	11.20	7	160	<0.5	<2	9.59	<0.5	28	156	118
M351675		2.72	0.002	<0.005	0.015	<0.5	9.22	5	160	<0.5	<2	9.19	<0.5	33	170	185
M351676		1.74	0.014	<0.005	0.003	<0.5	9.26	9	80	<0.5	<2	9.82	<0.5	21	100	317
M351677		2.40	0.002	<0.005	0.005	<0.5	9.74	5	180	<0.5	<2	8.61	<0.5	25	139	118



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To: EMERALD FIELDS RESOURCE CORP.  
 1546 PINE PORTAGE CORP  
 KENORA ON P9N 2K2

Page: 2 - I  
 Total # Pages: 2 (A - C)  
 Date: 5-MAY-200  
 Account: PJ

Project: Pearson

## CERTIFICATE OF ANALYSIS VA04024285

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Fe	K	Mg	Mn	Mo	Na	NI	P	Pb	S	Sb	Sr	TI	V	W
Units		%	%	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
LOR		0.01	0.01	0.01	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10
M351641		7.64	0.20	3.69	1305	<1	1.58	33	800	<2	0.12	<5	526	0.63	346	<10
M351642		8.33	0.10	3.79	1300	1	1.02	32	290	2	0.13	<5	344	0.69	409	<10
M351643		8.04	0.18	3.49	1305	1	1.36	28	310	3	0.12	<5	645	0.68	379	<10
M351644		8.01	0.18	3.31	1265	1	1.38	32	1100	<2	0.20	<5	387	0.69	363	<10
M351645		15.15	0.10	5.28	2040	1	0.57	37	2800	10	0.37	<5	251	1.32	655	<10
M351646		8.76	0.20	3.18	1270	1	1.33	23	1420	<2	0.18	<5	628	0.76	383	<10
M351647		8.46	0.20	3.12	1275	1	1.63	26	390	<2	0.19	<5	684	0.79	369	<10
M351648		8.47	0.15	3.39	1375	<1	1.86	21	500	<2	0.17	<5	696	0.71	318	<10
M351649		6.91	0.23	2.62	1155	2	2.09	19	1970	2	0.14	<5	552	0.66	282	<10
M351650		8.53	0.22	3.11	1375	1	1.95	17	3800	2	0.14	<5	681	0.74	321	<10
M351651		8.88	0.21	3.32	1445	4	1.84	26	3240	4	0.15	<5	559	0.81	339	<10
M351652		8.81	0.21	3.23	1450	1	1.80	24	3370	<2	0.20	<5	583	0.84	362	<10
M351653		9.08	0.20	4.04	1555	<1	1.56	41	410	<2	0.17	<5	484	0.80	419	<10
M351654		7.40	0.23	3.90	1320	1	1.94	56	300	<2	0.17	<5	423	0.57	322	<10
M351655		3.30	0.28	1.09	470	<1	2.34	16	270	<2	0.15	<5	630	0.30	160	<10
M351656		9.44	0.09	3.87	1220	2	0.81	40	190	<2	0.29	<5	509	0.80	490	<10
M351657		7.84	0.11	4.69	1310	1	0.99	50	160	3	0.15	<5	504	0.58	388	<10
M351658		7.62	0.11	4.49	1200	2	0.97	55	160	2	0.17	<5	485	0.57	378	<10
M351659		6.59	0.15	4.51	1180	1	1.21	45	200	<2	0.11	<5	571	0.40	309	<10
M351660		5.50	0.13	4.80	1255	<1	1.34	50	210	<2	0.07	<5	519	0.30	196	<10
M351661		4.87	0.10	4.73	1185	1	1.22	42	180	<2	0.05	<5	447	0.27	169	<10
M351662		5.12	0.14	4.70	1240	<1	1.31	45	160	<2	0.07	<5	550	0.27	178	<10
M351663		6.32	0.19	4.48	1270	<1	1.28	46	140	2	0.16	<5	513	0.42	265	<10
M351664		6.26	0.20	4.14	1250	<1	1.54	33	190	<2	0.14	<5	507	0.42	255	<10
M351665		8.16	0.19	3.17	1125	<1	1.59	16	830	<2	0.22	<5	613	0.74	408	<10
M351666		8.78	0.18	3.67	1310	<1	1.24	34	1390	6	0.19	<5	335	0.81	378	<10
M351667		7.69	0.16	3.73	1095	1	1.22	40	310	<2	0.19	<5	552	0.55	380	<10
M351668		9.13	0.15	3.88	1255	1	1.12	30	580	3	0.20	<5	575	0.71	465	<10
M351669		6.84	0.11	5.45	1235	1	0.84	66	300	<2	0.05	<5	370	0.33	176	<10
M351670		4.14	0.19	3.89	939	<1	1.49	46	210	<2	0.03	<5	660	0.18	112	<10
M351671		4.63	0.11	4.63	1040	1	1.19	59	200	<2	0.03	<5	498	0.16	102	<10
M351672		2.48	0.07	1.91	582	1	1.85	30	200	2	0.01	<5	194	0.11	59	<10
M351673		5.15	0.18	5.12	1160	<1	1.19	62	180	<2	0.02	<5	555	0.19	123	<10
M351674		5.41	0.24	4.03	1085	<1	1.54	42	1640	<2	0.03	<5	581	0.33	139	<10
M351675		5.70	0.21	4.88	1180	1	1.36	58	620	3	0.07	<5	501	0.30	177	<10
M351676		5.26	0.20	2.41	770	<1	0.89	41	220	<2	0.18	14	437	0.42	266	<10
M351677		4.55	0.31	3.93	937	1	1.31	47	310	<2	0.07	<5	453	0.24	131	<10



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Page: 2 - 1  
Total # Pages: 2 (A - C)  
Date: 5-MAY-200  
Account: PJ

Project: Pearson

## CERTIFICATE OF ANALYSIS VA04024285

Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
M351641		79
M351642		89
M351643		88
M351644		92
M351645		160
M351646		94
M351647		91
M351648		88
M351649		85
M351650		111
M351651		112
M351652		107
M351653		108
M351654		89
M351655		30
M351656		88
M351657		75
M351658		71
M351659		61
M351660		54
M351661		47
M351662		64
M351663		60
M351664		60
M351665		83
M351666		88
M351667		71
M351668		81
M351669		66
M351670		41
M351671		48
M351672		33
M351673		61
M351674		59
M351675		59
M351676		45
M351677		48





**EMERALD FIELDS  
RESOURCE CORPORATION**

**PEARSON/KAREN PROPERTY  
Vancouver Island, BC**

**DIAMOND DRILLING and GEOLOGY  
ASSESSMENT REPORT**

**September 2004**

**APPENDIX THREE  
Whole Rock Geochemistry**

**Holes PR-01, PR-02, PR-03, PR-04  
PR-05, PR-06 and PR-07**

**ALS Chemex  
North Vancouver, BC**



**ALS Chemex**  
**EXCELLENCE IN ANALYTICAL CHEMISTRY**  
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To: EMERALD FIELDS RESOURCE CORP.  
 1546 PINE PORTAGE CORP  
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Page: 1  
 Finalized Date: 28-JUL-2004  
 Account: PJV

**CERTIFICATE VA04047176**

Project: Pearson  
 P.O. No.:  
 This report is for 30 Pulp samples submitted to our lab in Vancouver, BC, Canada on 21-JUL-2004.  
 The following have access to data associated with this certificate:  
 PERRY HEATHERINGTON                      AL MOWAT

**SAMPLE PREPARATION**

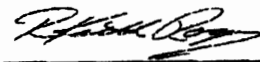
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION	INSTRUMENT
ME-XRF08	Whole Rock Package - XRF	XRF
OA-GRA08	LOI for ME-XRF08	WST-SIM

To: EMERALD FIELDS RESOURCE CORP.  
 ATTN: AL MOWAT  
 1546 PINE PORTAGE CORP  
 KENORA ON P9N 2K2

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Signature: 



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 212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: EMERALD FIELDS RESOURCE CORP.  
 1546 PINE PORTAGE CORP  
 KENORA ON P9N 2K2

Page: 2 - A  
 Total # Pages: 2 (A)  
 Finalized Date: 28-JUL-2004  
 Account: PJV

Project: Pearson

**CERTIFICATE OF ANALYSIS VA04047176**

Sample Description	Method	MS-XRF06	MS-XRF06	MS-XRF06	MS-XRF06	MS-XRF06	MS-XRF06	MS-XRF06	MS-XRF06	MS-XRF06	MS-XRF06	MS-XRF06	MS-XRF06	MS-XRF06	MS-XRF06	MS-XRF06
	Analyte	SiO2	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O	Cr2O3	TiO2	MnO	P2O5	SrO	BaO	LOI	Total
Units	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
LOR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
351546		73.08	13.90	1.41	1.53	0.44	6.30	1.02	<0.01	0.24	0.01	0.04	0.05	0.04	0.83	98.89
351555		67.69	15.26	3.24	1.99	0.72	5.21	2.31	0.01	0.58	0.03	0.09	0.06	0.13	1.18	98.48
351560		70.35	14.42	2.67	1.38	0.57	4.80	2.77	0.02	0.44	0.02	0.06	0.05	0.09	0.99	98.73



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**CERTIFICATE VA04047177**

Project: Pearson  
 P.O. No.:  
 This report is for 37 Pulp samples submitted to our lab in Vancouver, BC, Canada on 21-JUL-2004.  
 The following have access to data associated with this certificate:  
 PERRY HEATHERINGTON      AL MOWAT

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-XRF08	Whole Rock Package - XRF	XRF
OA-GRA08	LOI for ME-XRF08	WST-SIM

To: EMERALD FIELDS RESOURCE CORP.  
 ATTN: AL MOWAT  
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 Account: PJV

Project: Pearson

**CERTIFICATE OF ANALYSIS VA04047177**

Sample Description	Method Analyte Units LOR	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06
		SiO2 %	Al2O3 %	Fe2O3 %	CaO %	MgO %	Na2O %	K2O %	Cr2O3 %	TiO2 %	MnO %	P2O5 %	SrO %	BaO %	LOI %	Total %
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
M351645		38.26	10.64	23.66	10.88	8.35	0.70	0.13	0.01	2.20	0.30	0.61	0.05	0.01	3.14	99.83
M351647		43.77	18.01	12.50	11.86	5.09	2.09	0.24	0.01	1.36	0.16	0.09	0.10	0.02	3.50	99.81
M351655		45.56	25.40	5.41	12.30	2.18	3.46	0.43	0.01	0.59	0.06	0.07	0.11	0.04	4.03	99.64
M351658		43.98	15.92	12.03	13.46	7.74	1.28	0.14	0.02	0.96	0.16	0.04	0.06	0.02	3.58	99.40
M351668		40.53	18.97	13.45	12.01	6.41	1.46	0.19	<0.01	1.25	0.15	0.13	0.13	0.02	3.75	98.45
M351675		44.87	17.75	8.69	13.05	8.27	1.93	0.29	0.03	0.53	0.15	0.13	0.06	0.02	3.87	99.45
M351677		44.25	18.75	7.14	12.84	6.65	1.81	0.39	0.03	0.42	0.12	0.06	0.06	0.02	7.62	99.99



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Page: 1  
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**CERTIFICATE VA04047178**

Project: PEARSON  
 P.O. No.:  
 This report is for 34 Pulp samples submitted to our lab in Vancouver, BC, Canada on 21-JUL-2004.  
 The following have access to data associated with this certificate:  
 PERRY HEATHERINGTON      AL MOWAT

**SAMPLE PREPARATION**

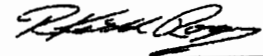
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION	INSTRUMENT
ME-XRF06	Whole Rock Package - XRF	XRF
OA-GRA06	LOI for ME-XRF06	WST-SIM

To: EMERALD FIELDS RESOURCE CORP.  
 ATTN: AL MOWAT  
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 Total # Pages: 2 (A)  
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 Account: PJV

Project: PEARSON

**CERTIFICATE OF ANALYSIS VA04047178**

Sample Description	Method Analyte Units LOR	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06
		SiO2	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O	Cr2O3	TiO2	MnO	P2O5	SO	BaO	LOI	Total
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
351823		73.91	13.81	0.78	1.43	0.11	6.99	0.64	0.02	0.15	<0.01	0.02	0.08	0.02	0.78	98.68
351833		43.31	14.59	13.78	5.19	13.60	2.87	0.75	0.02	0.81	0.16	0.09	0.06	0.04	4.43	99.76



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Page: 1  
 Finalized Date: 28-JUL-2004  
 Account: PJV

**CERTIFICATE VA04047179**

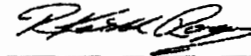
Project: PEARSON  
 P.O. No.:  
 This report is for 30 Pulp samples submitted to our lab in Vancouver, BC, Canada on 21-JUL-2004.  
 The following have access to data associated with this certificate:  
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-XRF08	Whole Rock Package - XRF	XRF
OA-GRA06	LOI for ME-XRF08	WST-SIM

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**CERTIFICATE OF ANALYSIS VA04047179**

Sample Description	Method Analyte Units LOR	MS-XRF06	MS-XRF06	MS-XRF06	MS-XRF06	MS-XRF06	MS-XRF06	MS-XRF06	MS-XRF06	MS-XRF06	MS-XRF06	MS-XRF06	MS-XRF06	MS-XRF06	MS-XRF06	
		SiO2 %	Al2O3 %	Fe2O3 %	CaO %	MgO %	Na2O %	K2O %	Cr2O3 %	TiO2 %	MnO %	P2O5 %	SrO %	BaO %	LOI %	Total %
351687		57.51	19.15	6.19	5.43	1.78	5.75	1.31	<0.01	1.19	0.11	0.32	0.08	0.10	0.85	99.77

**Table 1: Whole Rock Geochemistry of Hydrothermally Altered Samples**

This is based upon whole rock geochemistry from Newpet (1982-1987). The enriched and depleted range values are based the characteristics listed below.

ROCK TYPE	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	Fe <sub>2</sub> O <sub>3</sub> %	FeO %	MgO %	CaO %	Na <sub>2</sub> O %	K <sub>2</sub> O %	MnO %	P <sub>2</sub> O <sub>5</sub> %	TiO <sub>2</sub> %	LOI %
<b>Rhyolite or Granite</b>	<b>72.82</b>	<b>13.27</b>	<b>1.48</b>	<b>1.11</b>	<b>0.39</b>	<b>1.14</b>	<b>3.55</b>	<b>4.30</b>	<b>0.06</b>	<b>0.07</b>	<b>0.28</b>	<b>1.49</b>
Depleted Rhyolite	>65.84	>11.04	>0.74	>0.56	>0.20	>0.57	>1.78	>3.15	N/A	N/A	N/A	N/A
Enriched Rhyolite	<80.40	<14.60	<2.22	<1.67	<0.59	<1.71	<5.33	<5.75	N/A	N/A	N/A	N/A
<b>Dacite or Granodiorite</b>	<b>65.01</b>	<b>15.91</b>	<b>2.43</b>	<b>2.30</b>	<b>1.78</b>	<b>4.32</b>	<b>3.79</b>	<b>2.17</b>	<b>0.09</b>	<b>0.15</b>	<b>0.58</b>	<b>1.25</b>
Depleted Dacite	>58.50	>14.32	>1.72	>1.15	>0.59	>2.16	>1.90	>1.09	N/A	N/A	N/A	N/A
Enriched Dacite	<71.51	<17.50	<3.11	<3.45	<2.67	<6.48	<5.09	<3.26	N/A	N/A	N/A	N/A
<b>Andesite or Diorite</b>	<b>57.94</b>	<b>17.02</b>	<b>3.27</b>	<b>4.04</b>	<b>3.33</b>	<b>6.79</b>	<b>3.48</b>	<b>2.45</b>	<b>0.14</b>	<b>0.21</b>	<b>0.87</b>	<b>0.34</b>
Depleted Andesite	>52.15	>15.32	>1.80	>2.02	>1.67	>3.55	>1.74	>1.23	N/A	N/A	N/A	N/A
Enriched Andesite	<65.73	<18.72	<4.84	<6.06	<5.00	<10.19	<5.22	<3.68	N/A	N/A	N/A	N/A
<b>Basalt or Gabbro</b>	<b>49.20</b>	<b>15.74</b>	<b>3.79</b>	<b>6.73</b>	<b>9.47</b>	<b>2.91</b>	<b>1.10</b>	<b>1.84</b>	<b>0.35</b>	<b>0.20</b>	<b>1.38</b>	<b>2.54</b>
Depleted Basalt	>44.28	>14.17	>3.47	>4.74	>4.46	>0.55	>0.92	>0.92	N/A	N/A	N/A	N/A
Enriched Basalt	<54.07	<17.49	<3.11	<10.10	<14.21	<4.37	<1.65	<2.76	N/A	N/A	N/A	N/A
<b>Anorthosite</b>	<b>50.28</b>	<b>25.68</b>	<b>0.96</b>	<b>2.07</b>	<b>2.12</b>	<b>12.48</b>	<b>3.15</b>	<b>0.65</b>	<b>0.05</b>	<b>0.09</b>	<b>0.64</b>	<b>1.45</b>
Depleted Anorthosite	>45.52	>23.12	>0.72	>1.04	>1.06	>6.24	>1.67	>0.44	N/A	N/A	N/A	N/A
Enriched Anorthosite	>55.31	>28.25	>1.20	>3.10	>3.18	>18.72	>4.73	>0.98	N/A	N/A	N/A	N/A
<b>Anorthositic Peridotite +++</b>	<b>46.27</b>	<b>14.96</b>	<b>2.29</b>	<b>4.33</b>	<b>16.68</b>	<b>8.77</b>	<b>1.82</b>	<b>0.50</b>	<b>0.23</b>	<b>0.10</b>	<b>0.63</b>	<b>2.99</b>
Depleted Anorth. Perid.	>41.64	>13.46	>1.15	>2.16	>8.34	>4.39	>0.91	>0.77	N/A	N/A	N/A	N/A
Enriched Anorth. Perid.	>51.44	>26.62	>3.44	>6.50	>25.02	>13.16	>2.73	>0.77	N/A	N/A	N/A	N/A
<b>Pyroxenite</b>	<b>46.27</b>	<b>7.16</b>	<b>4.27</b>	<b>7.18</b>	<b>16.04</b>	<b>14.08</b>	<b>0.92</b>	<b>0.64</b>	<b>0.16</b>	<b>0.38</b>	<b>1.47</b>	<b>1.26</b>
Depleted Pyroxenite	>41.64	>0.94	>1.15	>2.16	>8.34	>4.39	>0.91	>0.77	N/A	N/A	N/A	N/A
Enriched Pyroxenite	>50.90	>7.88	>3.11	>6.50	>16.68	>14.08	>1.82	>0.50	N/A	N/A	N/A	N/A
<b>Komatiite to Peridotite</b>	<b>42.26</b>	<b>4.23</b>	<b>3.61</b>	<b>6.58</b>	<b>31.24</b>	<b>5.05</b>	<b>0.49</b>	<b>0.34</b>	<b>0.41</b>	<b>0.10</b>	<b>0.63</b>	<b>4.52</b>
Depleted Peridotite	>38.05	>3.81	>1.81	>2.16	>16.68	>5.05	>0.49	>0.34	N/A	N/A	N/A	N/A
Enriched Peridotite	>46.49	>4.68	>5.47	>9.87	>46.86	>7.58	>0.74	>0.51	N/A	N/A	N/A	N/A

**Note:** Calculated average of anorthosite and peridotite (from a 50/50 mixed melt assemblage)

The following guidelines are used by various companies and consultants to assess hydrothermal alteration:

- ❑ SiO<sub>2</sub>, and Al<sub>2</sub>O<sub>3</sub> are relatively immobile – 10% variance is used
- ❑ Fe<sub>2</sub>O<sub>3</sub>, FeO, MgO, Na<sub>2</sub>O and K<sub>2</sub>O are mobile – 50% variance is used
- ❑ TiO<sub>2</sub> is very immobile; changes only with mass loss (bulk compositional change)
- ❑ MnO and P<sub>2</sub>O<sub>5</sub> – high variance ~ low concentration allow for slight mineralogy change to radically change values
- ❑ LOI (H<sub>2</sub>O, CO<sub>2</sub> and SO<sub>4</sub>) – Loss of Ignition (volatiles) - high variance ~ not consistent enough to be compared

**Table 2: Whole Rock Geochemistry from Drilling**

SAMPLE	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO	MgO	Na <sub>2</sub> O	K <sub>2</sub> O	MnO	P <sub>2</sub> O <sub>5</sub>	TiO <sub>2</sub>	LOI	Total	Cr <sub>2</sub> O <sub>3</sub>	SrO	BaO
351523	73.91	13.81	0.76	1.43	0.11	6.99	0.64	0.01	0.02	0.15	0.78	98.68	0.02	0.06	0.02
351533	43.31	14.59	13.76	5.19	13.60	2.87	0.75	0.16	0.09	0.91	4.43	99.76	0.02	0.05	0.04
351546	73.08	13.90	1.41	1.53	0.44	6.30	1.02	0.01	0.04	0.24	0.83	98.89	0.01	0.05	0.04
351555	67.69	15.26	3.24	1.99	0.72	5.21	2.31	0.03	0.09	0.58	1.18	98.48	0.01	0.06	0.13
351560	70.35	14.42	2.67	1.38	0.57	4.90	2.77	0.02	0.08	0.44	0.99	98.73	0.02	0.05	0.09
351587	57.51	19.15	6.19	5.43	1.78	5.75	1.31	0.11	0.32	1.19	0.85	99.77	0.01	0.08	0.10
M351616	36.89	10.33	15.43	29.48	3.06	0.15	0.05	0.73	0.10	0.39	1.78	98.50	0.02	0.07	0.01
M351622	44.51	2.79	5.30	41.70	1.30	0.06	0.02	0.55	0.12	0.13	2.36	98.86	0.01	0.02	0.01
M351623	64.15	17.54	2.16	4.89	0.72	6.66	2.42	0.07	0.11	0.43	0.49	99.81	0.01	0.06	0.11
M351625	42.86	5.07	13.90	31.53	3.05	0.05	0.03	0.68	0.09	0.17	1.60	99.05	0.01	0.02	0.02
M351626	44.95	19.23	11.75	10.19	4.85	2.93	0.53	0.17	0.78	1.24	3.18	99.94	0.01	0.09	0.04
M351628	42.30	18.61	13.78	11.62	5.48	2.27	0.29	0.18	0.67	1.20	3.41	99.92	0.01	0.08	0.02
M351645	38.26	10.54	23.66	10.88	9.35	0.70	0.13	0.30	0.61	2.20	3.14	99.83	0.01	0.05	0.01
M351647	43.77	19.01	12.50	11.86	5.09	2.09	0.24	0.16	0.09	1.36	3.50	99.81	0.01	0.10	0.02
M351655	45.56	25.40	5.41	12.30	2.18	3.46	0.43	0.06	0.07	0.59	4.03	99.64	0.01	0.11	0.04
M351658	43.98	15.92	12.03	13.46	7.74	1.28	0.14	0.16	0.04	0.96	3.56	99.40	0.02	0.08	0.02
M351668	40.53	18.97	13.45	12.01	6.41	1.46	0.19	0.15	0.13	1.25	3.75	98.45	0.01	0.13	0.02
M351675	44.67	17.75	8.69	13.05	8.27	1.93	0.29	0.15	0.13	0.53	3.87	99.45	0.03	0.08	0.02
M351677	44.25	18.75	7.14	12.64	6.65	1.81	0.39	0.12	0.08	0.42	7.62	99.99	0.03	0.06	0.02

**Table 3: Sample Descriptions and Geochemical Analysis**

SAMPLE	Location	Rock Description	Lemaitre class. (K <sub>2</sub> O vs. SiO <sub>2</sub> )	Enriched	Depleted
351523	PR-03 @ 32.92m	Felsite dike	Low K rhyolite	Na	Mg, K
351533	PR-03 @ 46.33m	Amphibolite	Ultramafic	Fe, Mg, Na, K	nil
351546	PR-01 @ 13.72m	Felsite dike	Low K rhyolite	nil	K
351555	PR-02 @ 11.28m	Quartz Feldspar Porphyry to Quartz Monzonite	Med K rhyolite	nil	Mg, Na
351560	PR-02 @ 19.81m	Mafic dike	Med K rhyolite	nil	nil
351587	PR-05 @ 14.94m	Feldspar Porphyry	Andesite	Al, Na	nil
M351616	PR-06 @ 36.88m	Mafic Unit	Ultramafic	Fe, Ca	Si, Al, Mg, Na, K
M351622	PR-06 @ 49.07m	Skarn / Altered Gabbro	Ultramafic	Ca	Al, Mg, Na, K
M351623	PR-06 @ 49.87m	Altered Gabbro / Diorite	Dacite	Al, Na	Fe, Mg
M351625	PR-06 @ 52.12m	Intermediate Mafic dike	Ultramafic	Fe, Ca	Al, Mg, Na, K
M351626	PR-07 @ 11.28m	Gabbro	Ultramafic	Al, Na	Mg
M351628	PR-07 @ 23.47m	Gabbro	Ultramafic	Al, Fe	Mg
M351645	PR-07 @ 75.90m	Gabbro	Ultramafic	Fe	Si, Al, Na, K
M351647	PR-07 @ 78.33m	Gabbro	Ultramafic	Al, Fe	Mg, Na
M351655	PR-07 @ 89.00m and 90.13m	Pegmatoidal Gabbro	Ultramafic	Al, Na	Mg
M351658	PR-07 @ 95.10m	Gabbro	Ultramafic	Fe, Ca	Mg, Na
M351668	PR-07 @ 109.73m	Gabbro	Ultramafic	Al, Fe	Si, Mg, K
M351675	PR-07 @ 119.63m	Gabbro	Ultramafic	Al	Mg
M351677	PR-07 @ 121.31m	Altered ultramafic	Ultramafic	Al	Mg

**Note:** Gabbro units are ultramafic rocks, which are probably representative of a mixed magma of peridotite and anorthosite. Calculated values for hybrid magma of anorthositic peridotite are given in Table 1.

**Table 4: Selected Sample Descriptions**

SAMPLE	LOCATION	DESCRIPTION
351554	PR-02 @ 8.84m	Monzonite to Quartz Monzonite: medium-grained, white, granitoid with equal Kspar to Plag, <10% Qtz and 7-8% Hbl (converting to Chl).
351513	PR-03 @ 17.68m	Amphibolite: fine-grained, weakly foliated, amphibole-rich (>80%) basalt and traces of Py; weak patches of Hbl converting to Chl (<3%).
351515	PR-03 @ 20.78m	Amphibolite: fine-grained, weakly foliated, amphibole-rich (>80%) basalt and traces of Py; weak patches of Hbl converting to Chl (<3%). It also contains 1% fine crystals of magnetite and <2% late, calcite veinlets (>2mm).
351523	PR-03 @ 32.92m	Felsite Dike: fine-grained, off-white dike of very fine Qtz-Plag-Kspar with 5% needles of tourmaline.
351529	PR-03 @ 40.23m	Amphibolite: fine-grained, weakly foliated, amphibole-rich (>80%) basalt and traces of Py; weak patches of Hbl converting to Chl (<3%).
351533	PR-03 @ 55.47m	Amphibolite: fine-grained, weakly foliated, amphibole-rich (>80%) basalt and traces of Py; weak patches of Hbl converting to Chl (<3%). This could be confused with a metasediment; however, the metamorphic grade (borderline amphibolite) would better segregate the mafic minerals from other minerals within sediment.
351502	PR-03 @ 2.13m	Monzonite to Quartz Monzonite: medium-grained, white, granitoid with equal Kspar to Plag, <10% Qtz and 7-8% Hbl (converting to Chl). A large cast of fine-grained garnet-chlorite-hornblende has been assimilated.
351580	PR-04 @ 29.26m	Basalt: fine grained, green, weakly chloritic (<5%), massive basalt
351568	PR-04 @ 9.45m	Monzonite to Quartz Monzonite: medium-grained, white, granitoid with equal Kspar to Plag, <5% Qtz and 5-7% Hbl (converting to Chl) and trace-1% Py.
Not Assayed	PR-05 @ 9.33m	Monzonite: medium-grained, grey to dark grey, equal amounts of Plag-Kspar, <5% Qtz and 10-20% Hbl.
Not Assayed	PR-05 @ 29.57m	Monzonite to Quartz Monzonite: medium-grained, white, granitoid with equal Kspar to Plag, <5% Qtz and 5-7% Hbl (converting to Chl) and trace-1% Py.
Not Assayed	PR-06 @ 44.35m	Intermediate Dike: fine-grained, grayish-green, andesite dike.
351624	PR-06 @ 51.36m	Breccia Zone: lower unit consists of a pale green, felsite dyke (or possibly rhyolite) in contact with the upper unit of highly fractured and altered monzonite (to Qtz monzonite); many of these fractures have been annealed with tourmaline (or amphibole).
351650	PR-07 @ 82.30m	Foliated Gabbro: thin layer (2cm) of actinolite (>95%) is found and a pegmoidal section (>1cm) of coarse Plag and Hbl (starting to convert to Act).
351651	PR-07 @ 83.21m	Gabbro: medium-grained, weakly foliated, weak foliation.
351655	PR-07 @ 89.00m and 90.13m	Pegmoidal Gabbro: coarse-grained (>0.8cm), white, >80% Plag and finer crystals of Act +/- Chl; possible minor segregations.
351699	PR-07 @ 95.71m	Foliated Gabbro: fine to medium-grained, moderately foliated (45° TCA) mafic rock, composed of 30-35% elongated Plag and 65-70% Actinolite (converted from Pyx-Hbl).
351676	PR-07 @ 120.40m	Altered Monzonite to Quartz Monzonite: medium to coarse-grained, grey, altered; Plag has been overprinted by silification and trace-2% can be found within the finer mafic matrix.
351677	PR-07 @ 121.31m	Felsite Dike: fine-grained, grey dike of very fine Qtz-Plag-Kspar with late fractures filled with fine tourmaline (or amphibole).



**EMERALD FIELDS  
RESOURCE CORPORATION**

**PEARSON/KAREN PROPERTY  
Vancouver Island, BC**

**DIAMOND DRILLING and GEOLOGY  
ASSESSMENT REPORT**

**September 2004**

**APPENDIX FOUR  
ALS Chemex: Analytical Specifications**

**Holes PR-01, PR-02, PR-03, PR-04  
PR-05, PR-06 and PR-07**

**ALS Chemex  
North Vancouver, BC**



**Brochure Cover**

**SAMPLE PREPARATION PACKAGES**

The packages described below are used to produce a representative sub-sample.

Description	Application	Code	Price per Sample (\$)
Log sample in tracking system, weigh, dry, coarse crush and pulverize entire sample to better than 85% passing 75 micron.	Rock chip or drill sample with a maximum particle size of 20 mm. (Samples up to 3kg).	PREP-22	9.35 plus 1.50 / kg
Log sample in tracking system, weigh, dry, fine crush entire sample to better than 70% -2mm, split off up to 250g and pulverize split to better than 85% passing 75 micron.	Rock chip or drill sample.	PREP-31	6.00 plus 0.30 / kg

**Page 3: PREP-31 Details**

**PLATINUM, PALLADIUM AND OTHER PRECIOUS METALS**

Analyte	Range (ppm)	Description	Code	Price per Sample (\$)
<i>Trace Level</i>				
Pt	0.005-10	Pt, Pd and Au by fire assay and ICPAES finish.  30g nominal sample weight. 50g nominal sample weight.	PGM-ICP23 PGM-ICP24	16.25 17.50
Pd	0.001-30			
Au	0.001-10			

**Page 11: PGM-ICP23 Details**

### FOUR ACID "NEAR TOTAL" DIGESTION

Quantitatively dissolves nearly all elements for the majority of geological materials. Only the most resistive minerals, such as zircons, are only partially dissolved using this procedure.\*

**Description:** 27 elements by HF-HNO<sub>3</sub>-HClO<sub>4</sub> acid digestion, HCl leach and ICPAES.

Analytes and Ranges (ppm)				Code	Price per Sample (\$)
Ag (0.5-100)	Cd (0.5-500)	Mn (5-10,000)	Sb (5-10,000)	ME-ICP61	12.00
Al (0.01%-25%)	Co (1-10,000)	Mo (1-10,000)	Sr (1-10,000)		
As (5-10,000)	Cr* (1-10,000)	Na (0.01%-10%)	Ti* (0.01%-10%)		
Ba* (10-10,000)	Cu (1-10,000)	Ni (1-10,000)	V (1-10,000)		
Be (0.5-1000)	Fe (0.01%-25%)	P (10-10,000)	W* (10-10,000)	ME-ICP61m	18.00
Bi (2-10,000)	K (0.01%-10%)	Pb (2-10,000)	Zn (2-10,000)		
Ca (0.01%-25%)	Mg (0.01%-15%)	S (0.01%-10%)			

**Note 1:** To include Hg (0.01-100ppm using separate digest on) in the suite of elements above, please request method code ME-ICP61m instead of ME-ICP61.

### Page 14: ME-ICP61 Details

Element	Range	Method	Code	Price
Cu	0.01-50	HF-HNO <sub>3</sub> +HClO <sub>4</sub> - AAS	Cu-AA62	10.00 or 6.25 + 3.75 / element

### Page 18: Cu-AA62 Details