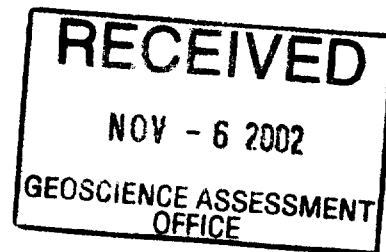


**Redstar Gold Corporation**  
**Physical Work Submission Report**  
**November ,2002**

**WOLF BAY PROPERTY**  
**MECHANICAL STRIPPING**

**TODD/ KILLALA Townships**  
Red Lake Mining Division

2 24486



Submitted by:  
Bob Singh  
Redstar Gold Corporation  
611-675 W. Hastings St  
Vancouver BC



52M01SE2026 2.24486 TODD

## **Introduction :**

This report presents a brief regional geological description and geochemical analysis of the rocks exposed in five showings on the wolf bay property. During the months of July and August 2002, a 23-day physical stripping, trenching, washing and channel sampling program was completed. Included is a breakdown of the type of equipment used, the hours and dates that the equipment was used, the man-hours that were spent on this program and a map showing the locations of the stripped areas and significant results.

## **Geological Description :**

The Red Lake greenstone belt records a 300 million year history of episodic volcanism, sedimentation, deformation, and mineralization. The Balmer assemblage, host to current and past-producing gold mines, consists of tholeiitic and komatiitic lava flows, ultramafic intrusive rocks, intercalated with 2.98-2.96 billion year old (Ga) felsic volcanic, clastic, and chemical sedimentary rocks. The Ball assemblage comprises crustally contaminated komatiite, tholeiitic basalt, 2.94-2.92 Ga calc-alkaline, felsic volcanic rocks, and stromatolitic carbonate. The Slate Bay assemblage of quartz-rich wacke and conglomerate, with an age less than 2.91 Ga, records accumulated Balmer-age material, prior to the 2.89 Ga intermediate pyroclastic volcanism and sedimentation of the Bruce Channel assemblage. The Confederation assemblage rests unconformably on the Balmer, and consists of basal conglomerate, 2.74 Ga FIII-type rhyolite, tholeiitic basalt with volcanogenic-massive-sulphide-style alteration-mineralization, and 2.73 Ga calc-alkaline pyroclastic rocks. Polyphase deformation involved pre-Confederation tilting and at least two episodes of post-Confederation deformation reflected in folds and fabrics of low to moderate finite strain. (See Figure 1)

The rocks that were exposed on the property are assigned to the Balmer assemblage. Figure 4 shows the location of the area stripped.

## **Physical Stripping, washing and channel sampling:**

The location of stripping was based on reconnaissance sampling and prospecting by Redstar in July 2002. Several showings were identified containing pyrite, chalcopyrite and pyrrhotite mineralization. The showings are summarized in table 1 below.

Showing Name	Gold g/t	Comments
Little D showing	1.01	Grab sample of a quartz vein with 3-4% chalcopyrite
D65 Showing	2.16	Grab sample of a quartz vein with 3-4 % chalcopyrite, 2-3% bornite, 3-4 % pyrite and Native Copper
D65 Showing	0.47	Grab sample of a quartz

		vein with 1-2% chalcopyrite
Jet Showing	4.68	Grab sample of a quartz vein with 20-25% arsenopyrite and minor pyrite
Twix Showing	Nil	20-30cm wide quartz vein with 1-2% chalcopyrite mineralization
Twix +	Nil	On strike with the Twix showing. 5-10cm wide quartz vein with 1-2% chalcopyrite

A stripping, washing and channel sampling program was completed to identify the strike length of quartz veins and gold mineralization in these showings.

Physical stripping, channel sampling and washing took place over a 23 day period, from July 24<sup>th</sup> to August 16<sup>th</sup>. During this time, a three-person labor crew, 1-2 geologists and a backhoe and operator carried out manual and mechanical stripping, power washing and rock-saw channel sampling. A total of 95 man-days of labour were needed to complete this program at a rate of \$175 per man per day. Labourers worked two to three at a time on the various showings. In addition, geological supervision was required for 37 man-days at a rate of \$300.00 per man per day. The geologist duties were to oversee the stripping and washing operations and describe samples and geology. During this time, one pump was utilized at a rate of \$100 per day and a backhoe and operator were utilized at a rate of \$75 per hour for a total of 111 hours. Channel samples were cut with a gas powered rock saw, saw rental is included in the labor charges.

The rocks exposed during this trenching program are assigned to the Balmer assemblage volcanic package of rocks for each showing. The following table summarizes geology and results for each showing:

<b>Showing Name</b>	<b>Number of samples</b>	<b>Date</b>	<b>Geology &amp; Results</b>
Little D Showing	48	July 24-28	Massive mafic volcanic rocks with 1% pyrite and trace chalcopyrite. 3 sub-parallel 2-5cm quartz veins were exposed along a strike length of 25m. A fault zone ( 0.5m wide by 32m long) was mapped with an azimuth of 135 degrees with a steep southerly dip. A jasper-magnetite zone was exposed along the western end of the fault. The fault is offsetting quartz veins and earlier structures. No significant results were obtained from the sampling. (See

			figure 5).
D65 Showing	122	July 28 – Aug10	Altered and foliated mafic volcanic rocks in fault contact with altered and foliated pillowed mafic volcanic rocks. A 1.0 m wide Quartz Feldspar Porphyry dyke trending approximately 80 degrees cuts the pillowed mafic rocks. Alteration and mineralization in mafic rocks consists of 1-3% pyrite, 1-3% pyrrhotite and tr-1% chalcopyrite. A fault zone approximately 30cm wide by 18m long separates massive mafic rocks to the north and pillowed mafic rocks to the south. 3 sub-parallel 5-25cm wide quartz veins were exposed in faults/ high strain zones trending 130-140 degrees and dipping 65-45 degrees to the northeast. The fault zones/ strain zones can be traced for approximately 30m along strike. The western most vein assayed 280ppm/ 1.0m ,245ppb/ 0.5m, 230ppb/0.50m and 815ppb in a grab sample. No other significant results are reported. (See Figure 6).
Jet Showing	41	Aug 12-16	Altered and foliated mafic volcanic rocks were exposed. Mineralization consists of weak pyrite (< 1%) and strong quartz-carbonate alteration. One 3-25cm wide quartz vein was exposed along a strike length of 13.0m. Mineralization in the vein consists of 1-2% pyrite and 1-2% chalcopyrite. No significant results are reported. (See figure 7).
Twix and Twix plus showings	12	Aug 10-12	Weakly altered and foliated volcanic rocks were exposed. The Twix showing hosts one 5-25cm wide by 10m long quartz vein with up to 3% chalcopyrite and 1-2% pyrite mineralization. This vein strikes approximately 350 degrees and dips vertically. Two smaller veins were also exposed in this outcrop. The Twix plus showing hosts one 2-5cm wide quartz vein which is approximately 13m long and strikes approximately 150 degrees. Several cross cutting magnetite-quartz veins are noted at right angles to the vein in the Twix plus showing. No significant results are reported in either showing. (See figure 8)



### **Conclusions and Recommendations:**

Further work is recommended on these showings in the form of prospecting and geological mapping. In particular, the arsenopyrite vein in the Jet showing needs further work as it was not exposed with the stripping program.



Little D showing stripped and washed.



Geologists Kevin Murphy and Michael Allen mapping the D65 showing.



Power washing a quartz vein at the D65 showing.



Pillowed mafic rocks at the D65 showing.



D65 showing – stripped area.



Quartz vein in the Little D showing



Mineralized structure with channel samples marked on the D65 showing.





Stripping on the D65 showing.





Stripping on the Twix  
showing



Stripping on the Jet showing.

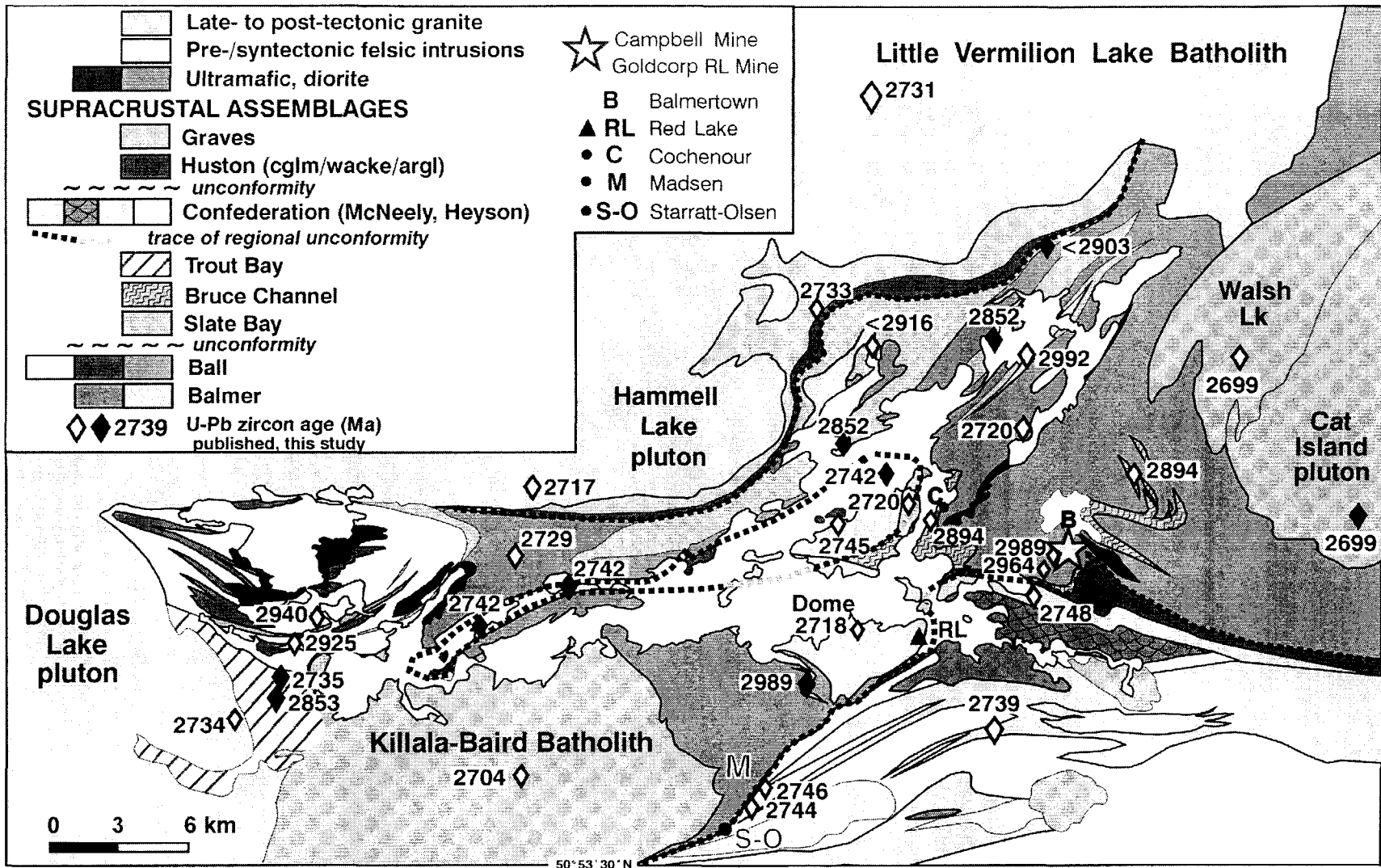


Figure 1. Geology of the Red Lake greenstone belt, showing critical age determinations of volcanic and plutonic rocks (M. Sanborn-Barrie and T. Skulski, GSC, western Superior NATMAP program 1997-2002)

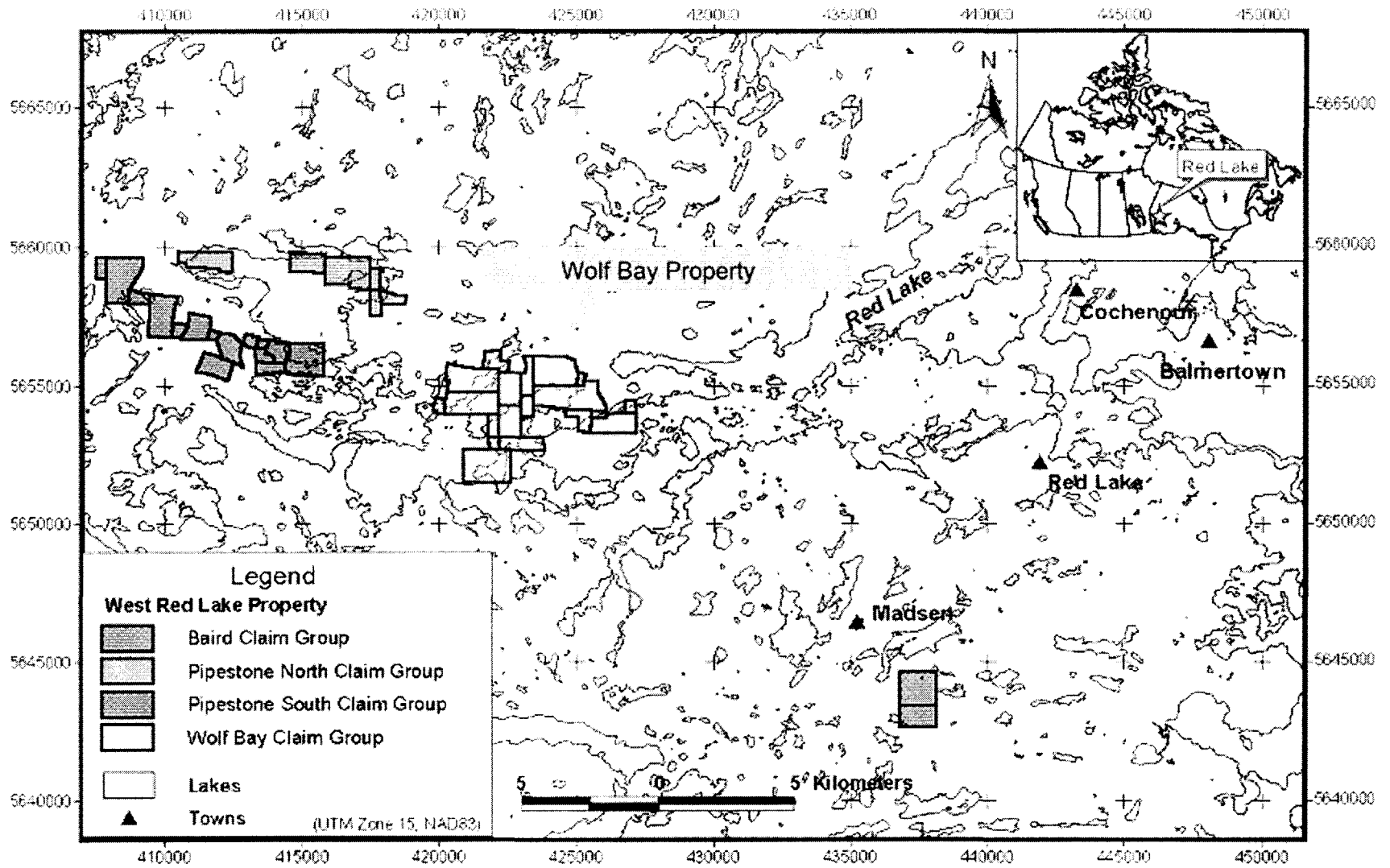


Figure 2. Property Location Map.

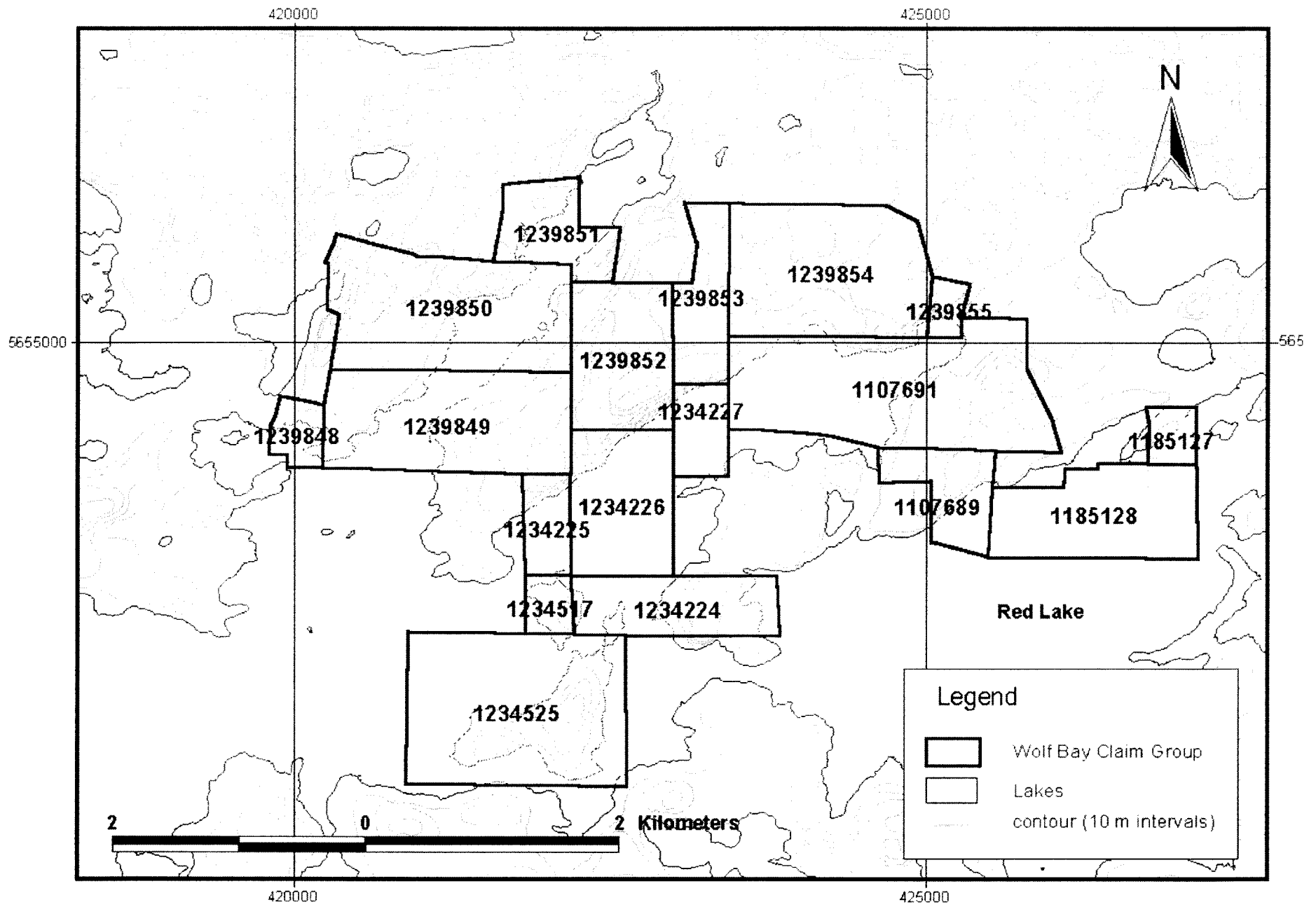


Figure 3. Claim Map.

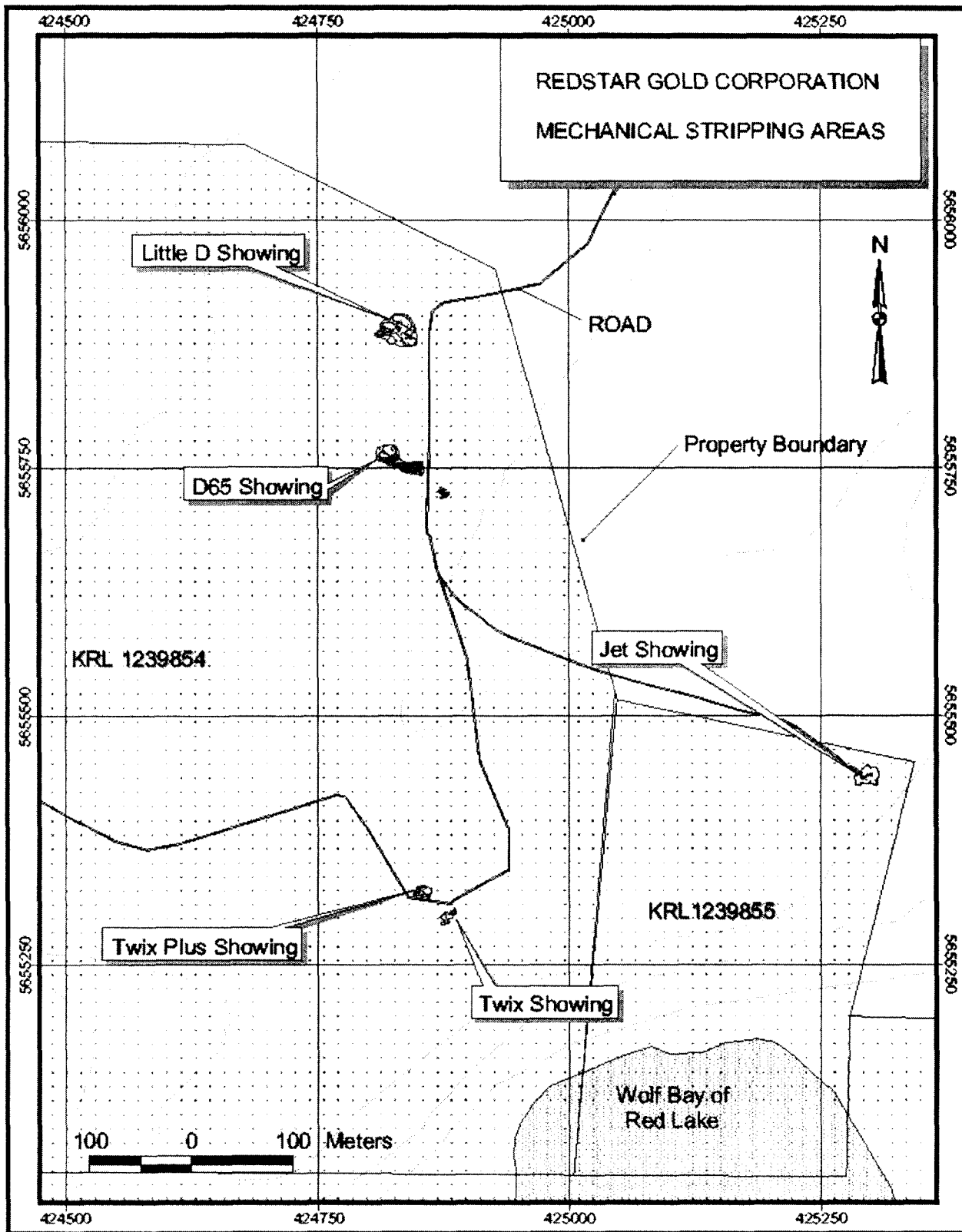


Figure 4. Stripped areas (showings).



Date: 2003-JAN-21

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R0K 2C0 CANADA

Tel: (888) 415-9845  
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**Submission Number:** 2.24486  
**Transaction Number(s):** W0220.01708

Dear Sir or Madam

**Subject: Approval of Assessment Work**

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

If you have any question regarding this correspondence, please contact STEVEN BENETEAU by email at [steve.beneteau@ndm.gov.on.ca](mailto:steve.beneteau@ndm.gov.on.ca) or by phone at (705) 670-5855.

Yours Sincerely,



Ron Gashinski  
Senior Manager, Mining Lands Section

**Cc:** Resident Geologist

Perry Vern English  
(Claim Holder)

Redstar Gold Corp.  
(Agent)

Assessment File Library

Perry Vern English  
(Assessment Office)





# MINING LAND TENURE MAP

Date / Time of Issue Aug 23 2001 08:38h Eastern  
TOWNSHIP / AREA PLAN  
TODD G-1789

ADMINISTRATIVE DISTRICTS / DIVISIONS  
Mining Division Red Lake  
Land Title/Registry Division KENORA  
Ministry of Natural Resources District RED LAKE

**TOPOGRAPHIC**

- Administrative Boundaries
- Township
- Companion Lot
- Provisional Fee
- Section Reserve
- CRP and #16
- Clearcut
- Clearcut - Agric. Activity/Restriction
- Snag
- Shrub Heathland
- Plowland
- Road
- Tier
- Watered Gas Rights
- Hydro Line
- Construction Line
- Wooded Area
- Municipal / Corporate, Historical, Public, Coastal

**LAND TENURE**

**Freehold Plans**

- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

**Leased Plans**

- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

**Leases of Occupancy**

- Lease and Spoilbank
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

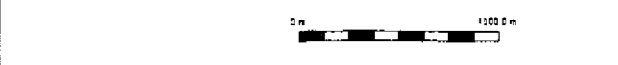
**Other**

- Land Use Permit
- Order in Council
- Water Power Lease Approval
- Mining Claims

**LAND TENURE WITHDRAWALS**

- Area Withdrawn from Operation Using An Withdrawal Type
- Surface and Mining Rights Withdrawn
- Surface Rights Only Withdrawn
- Mining Rights Only Withdrawn
- Order in Council Withdrawal Type
- Surface and Mining Rights Withdrawn
- Surface Rights Only Withdrawn
- Mining Rights Only Withdrawn

**IMPORTANT NOTICES**



**LAND TENURE WITHDRAWAL DESCRIPTIONS**

Number	Date	Type	Description
WLL 2234	Nov 4 1990	SEC. 31 WLL-C-230489	ONT. MAY BE W/ W. BAN

**IMPORTANT NOTICES**  
Areas under which special conditions, stipulations or conditions exist that affect normal prospecting, mining and mineral development activities.



UTM Zone 15  
1 000m Grid

**General Information and Limitations**

This map may not reflect unregistered land tenure and interests in land including certain patents, leases, easements, right of way, licences, permits, approvals, or other terms of disposition of rights and interests in land. Also, certain land tenure and land use that is not registered may not be shown on this map.

**Contact Information:**  
Provincial Mining Recorder's Office 1-866-666-6666  
483 Ramsey Lake Rd. Tel: 508-455-5445  
Sudbury, ON P3E 4G5 Fax: 507-678-1644  
Home Page: www.gov.on.ca/mining/mnr/mnr.htm

**Map Datum:** NAD 83  
Projection: UTM (6 degree)  
Topographic Data Source: Land Information Ontario  
Mining Land Tenure Source: Provincial Mining Recorder's Office

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Mapped Structures		Detailed Geology	
	Fault		1a Jasper/Hem
	Fault Zone		2a Mafic Volcanic
	Fracture		3a Pillow Mafic
	Strain Zone		4a QFP Dyke
			5a Felsic Tuff
			6a Quartz Vein
			7a Rubble
			8a Ultra-Mafic Volcanic
			9a Deformation Zone



REDSTAR GOLD CORPORATION  
LITTLE D SHOWING  
STRIPPED AREA  
1:100  
Figure 5.

24486





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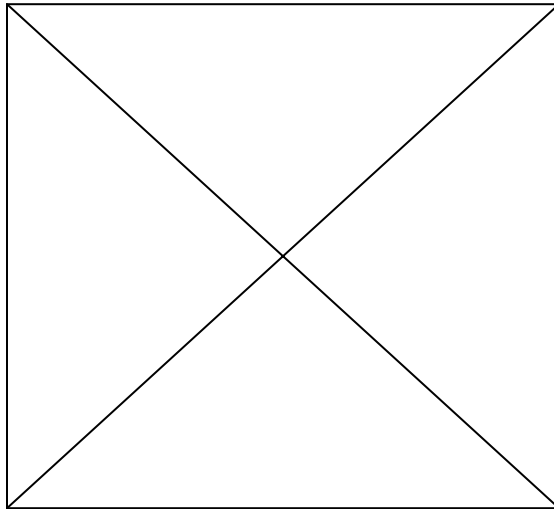
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We apologize for the inconvenience.

**Problème de conversion de page**

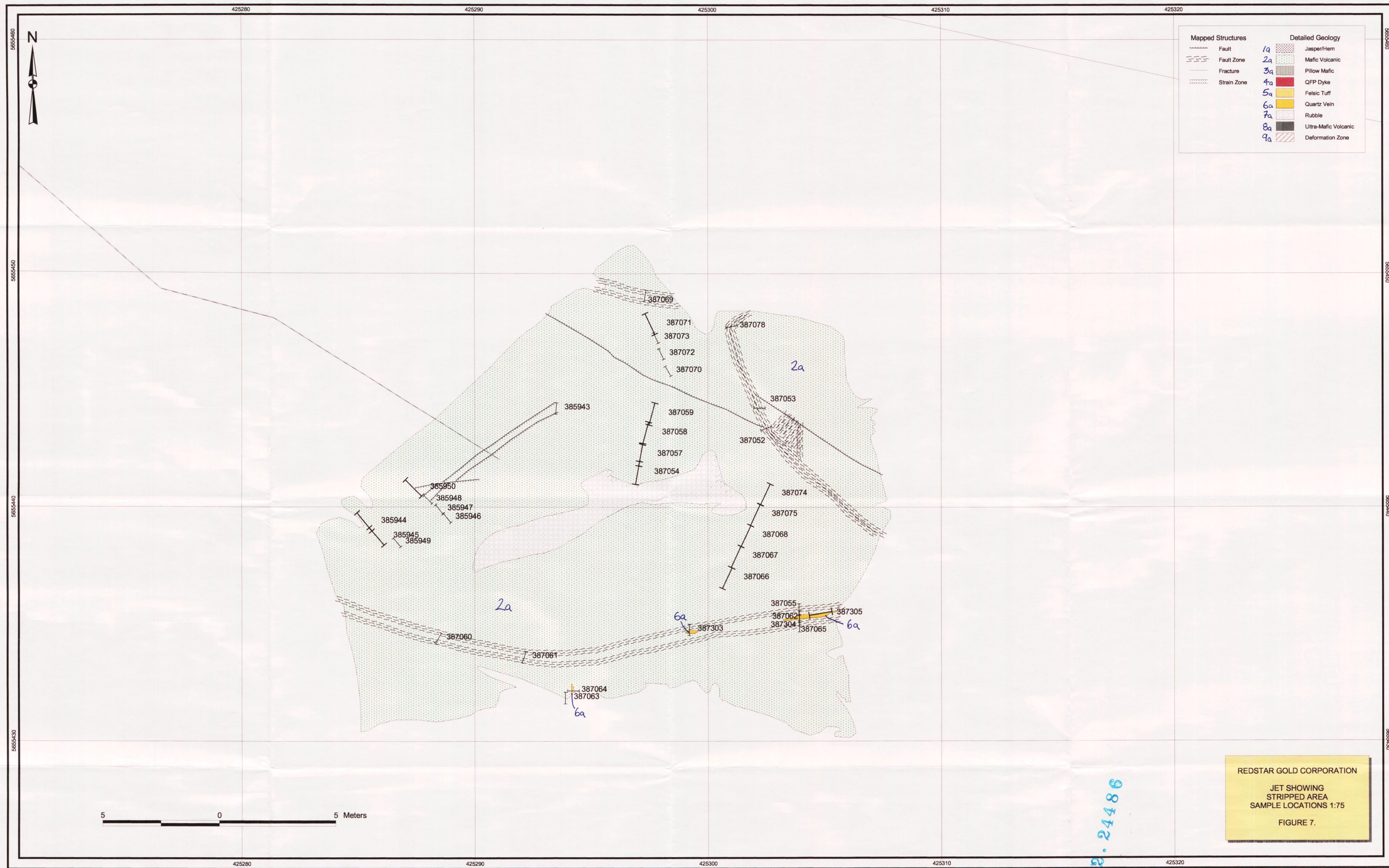
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Nous regrettons tout inconvénient occasionné par ce problème.





Mapped Structures		Detailed Geology	
	Fault		Jasper/Item
	Fault Zone		Mafic Volcanic
	Fracture		Pillow Mafic
	Strain Zone		QFP Dyke
			Felsic Tuff
			Quartz Vein
			Rubble
			Ultra-Mafic Volcanic
			Deformation Zone



2-24486

REDSTAR GOLD CORPORATION  
 JET SHOWING  
 STRIPPED AREA  
 SAMPLE LOCATIONS 1:75  
 FIGURE 7.







REDSTAR GOLD CORPORATION  
 TWIX and TWIX PLUS SHOWINGS  
 STRIPPED AREA  
 SAMPLE LOCATIONS: 1:100  
 FIGURE 8.

2-2486

