



32D04NW0227 W9590.00452 ARNOLD

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**Prince Gold Corporation  
Diamond Drilling Report  
Arnold Township  
Larder Lake M.D., Ontario**

**by: Gerald A. Harron P.Eng, FGAC  
March 31, 1995**

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***G.A. Harron & Associates Inc.***  
**350 BAY STREET, 11TH FLOOR, TORONTO, ONTARIO, CANADA M5H 2S6**



Table of Contents

	page
Summary .....	1
Introduction .....	1
Location and Access .....	1
Property .....	2
Previous Work .....	2
Drill Program .....	3
Conclusions & Recommendations .....	5
References .....	7
Certification .....	8
Appendix 1. Drill core logs and Cross-Section Diagrams .....	9
Appendix 2. Geochemical Analyses Certificates .....	10

List of Figures

	after page
Figure 1. Location Map .....	1
Figure 2. Claim Map .....	1
Figure 3. Drill Site Locations .....	2
Figure 4. Interpreted geology & Proposed Drill Hole Locations .....	5
Figure A95-1-1. Drill Hole Cross Section .....	appendix 1
Figure A95-2-1. Drill Hole Cross Section .....	appendix 1
Figure A95-3-1. Drill Hole Cross Section .....	appendix 1

## Summary

Prince Gold Corporation ("Prince"), completed 3 BQ size diamond drill holes for a total of 616.0m on the property between February 28 and March 9, 1995. Access to the property was via an ice road constructed across Victoria Lake. The core was logged by Mr. Gerald A. Harron, assisted by Mr. Michael Leahy. Drill hole A95-1 returned sludge samples containing anomalous gold values (> 100 ppb) over a core length of 43m. Within this same interval a 0.2m quartz vein core sample returned an assay of 5.5 g/t Au.

The alteration zone containing this mineralization is characterized by sericite, carbonate, silica, pyrite and minor fuchsite. This alteration zone is coincident with a fault structure developed in a magnesium tholeiite host rock, in close proximity to the Murdoch Creek Fault. A weak chargeability anomaly related to the presence of graphite is also associated with this alteration zone.

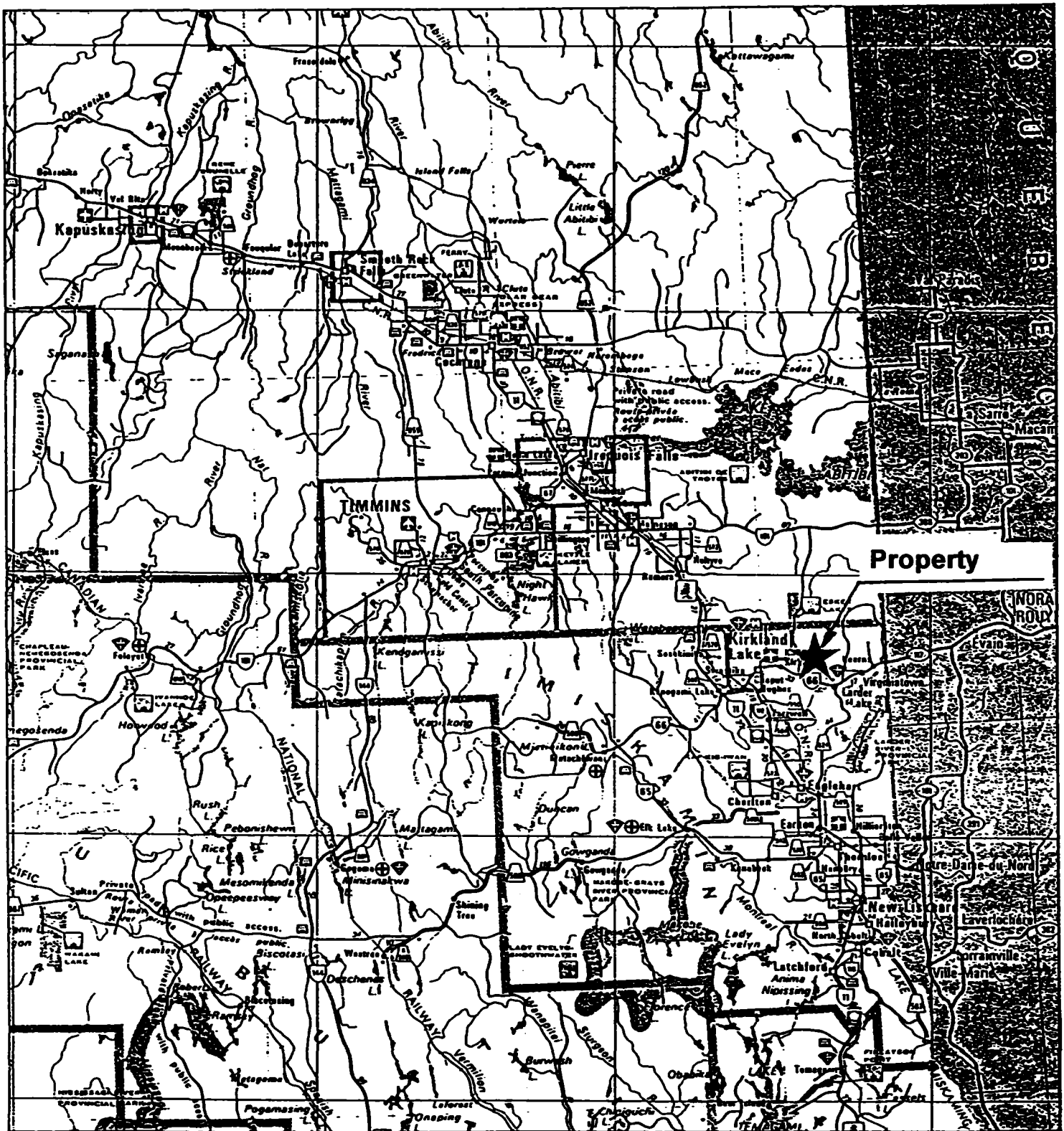
## Introduction

Induced polarization surveys completed in July and August, 1994 located weak chargeability anomalies west of the North Arm of Victoria Lake. Three anomalies had strike lengths in excess of 300m and were located in areas of projected regional fault zones. These anomalies were drill tested in October, 1994. The most northern IP/RES anomaly was tested with DDH A94-1, and returned an assay of 4.02 g/t Au over 0.1m, within a broad alteration/structural zone. Additional induced polarization/resistivity surveying was extended to provide drill targets to the east and west of DDH A94-1.

The current drill program was designed to test the auriferous zone noted in DDH A94-1 at locations 100m east, 100m west and 60m vertically below the A94-1 site.

## Location and Access

The property is located in the southwest corner of Arnold Township, approximately 12 km northeast of Kirkland Lake, Ontario, (Figure 1). The North Arm of Victoria Lake occupies the central portion of the property. Provincial highway 672 located east of the North Arm traverses the claim group and provides ready access. The diamond drilling occurred west of the North Arm. Equipment and personnel accessed the sites by crossing on the lake ice.



**LOCATION MAP**  
**Prince Gold Corporation**

VICTORIA LAKE  
Arnold Twp. Project - Kirkland Lake area, Ontario

Scale : 1 : 1,600,000

Figure 1



## Property

The property comprises 14 units in 4 contiguous unpatented mining claims, (Figure 2). The claims were purchased from Mr. Michael Leahy of Kirkland Lake.

The claim status listed below reflects conditions prior to the filing of the assessment credits resulting from the work described in this report.

<u>Claim #</u>	<u>Units Recorded</u>	<u>\$ Applied</u>	<u>\$ Req'd</u>	<u>Due Date</u>	<u>\$ Reserve</u>
	(y-m-d)		(y-m-d)		
1186129	3 92-04-07	7,200	1,200	2000-04-07	48,159
1200117	9 92-03-23	21,600	3,600	2000-03-23	
1200118	1 92-03-23	2,400	400	2000-03-23	
1200119	1 92-03-23	2,400	400	2000-03-23	

## Previous Work

Arnold Township was mapped by Ontario Government geologists in 1919 (Knight, 1920) and in 1962 (Hogg, 1964). There is evidence of previous trenching in the outcrop areas on claim 1200119 and 1200117. However the results of this work are unknown. In 1993, Mr. Leahy completed 3 overburden sampling holes on claim 1186129. No evidence of diamond drilling prior to the October 1994 work was observed on the property.

Regal Goldfields Limited contracted a frequency domain dipole-dipole induced polarization survey of 10.3 line-km on 9 lines in July, 1994. This was followed by 4.6 km of time domain pole-dipole induced polarization and magnetic surveying on selected lines. Three anomalies resulting from these surveys were selected for drill testing based on combined geological/geophysical considerations. In October, 1994 Regal Goldfields on behalf of Prince Gold completed 541.2m of diamond drilling. A narrow gold-bearing vein was discovered in DDH A94-1. In November, 1994, a 1.7 km pole-dipole IP/RES survey was completed on lines 12+00 W, 9+00 W and the northern part of L 8+00 W to examine the lateral extent of the auriferous horizon.

# Drill Hole Locations

Prince Gold Corporation

Claim 1200117, Arnold Twp.  
Kirkland Lake Area, Ont.

DDH	Line	Station
A95-1	10+00 W	5+50 N
A95-2	11+00 W	5+25 N
A95-3	12+00 W	4+75 N

Scale: 1:10 000

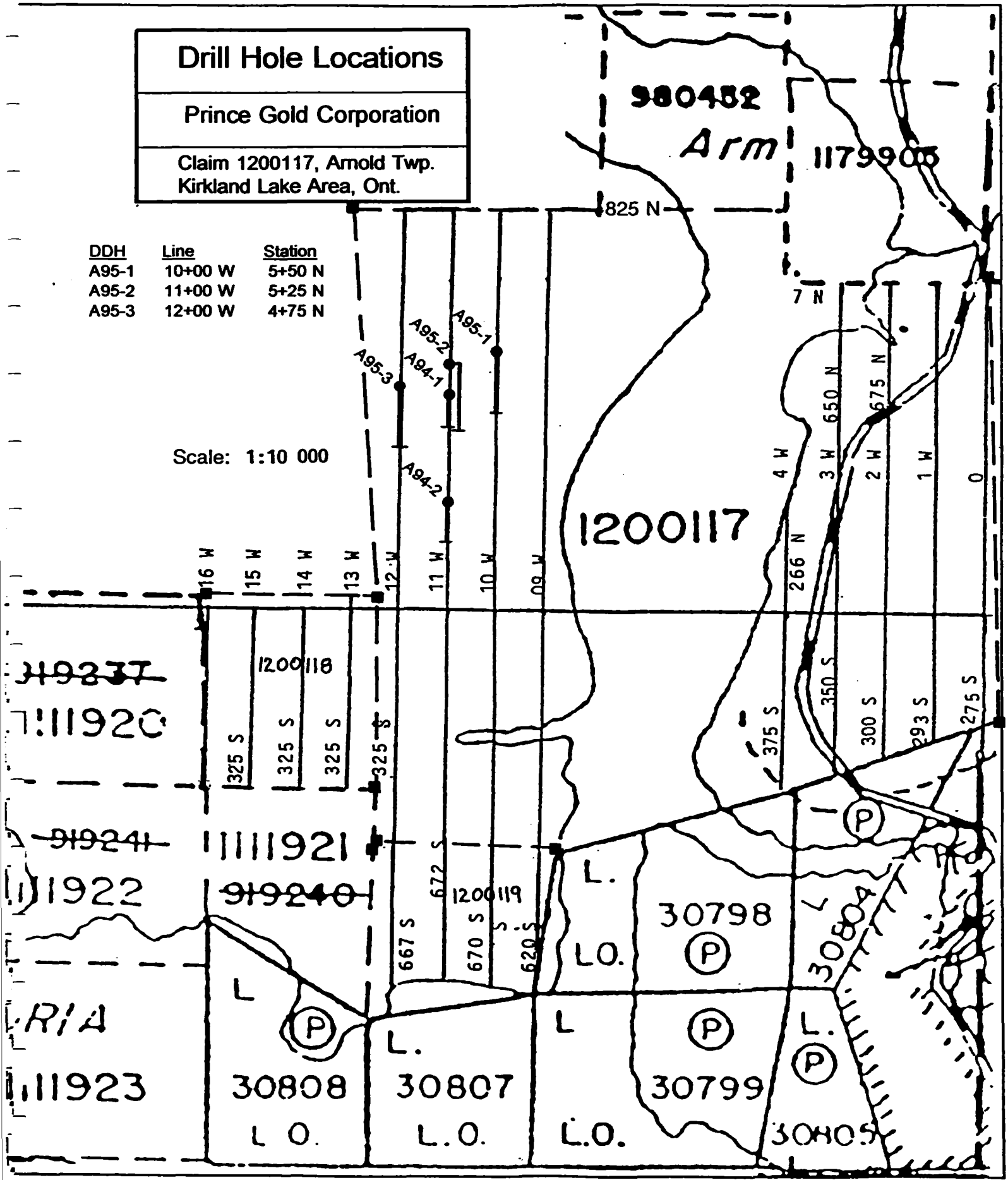


Figure 3

## Drill Program

Heath & Sherwood Drilling (1986) Inc., Kirkland Lake, Ontario was contracted to drill the holes. A skid mounted BBS 15 drill rig was used for this work. A total of 616.0m of BQ size core drilling was completed at 3 sites in the period from February 28 to March 9, 1995. The location of the drill sites is shown in Figure 3. Drill core logs and cross-sections are included in Appendix 1.

Drill Hole A95-1 was collared at L10 + 00W / 5 + 50N and drilled south at -50° for a length of 194.2m. Overburden depth was 29.0m, vertical. The first bedrock encountered was calcite altered magnesian tholeiite crackle breccia, with a graphite matrix, to a core length of 81.1m. Within this unit a section from 42.7-47.3m contained about 50% graphite. The crackle breccia grades into pillowed calcite altered magnesian tholeiite, which continues to 122.0m. Below the pillowed magnesian tholeiite an 8.9m section of tuffs was noted. Small grains of fuchsite and xenocrysts of leucoxene characterize the tuffs. From 130.9-152.0m a highly altered and disrupted section characterized by coarse yellow sericite and lesser amounts of fuchsite hosts a 0.21m wide quartz-calcite vein which assayed 5.5 g/t Au, and a second 0.28m wide quartz-calcite vein which assayed 0.14 g/t Au. Following this alteration/shear zone a sequence of altered tuffs and graphite beds occurs for 17.3m. Crackle breccia, composed of calcite altered magnesian tholeiite with a graphite matrix was encountered at 169.3m, and grades into altered pillowed magnesian tholeiite for the last few metres of core.

Sludge samples for the interval 132.9m to 175.6m contain in excess of 100 ppb Au, and indicate a 43m section containing anomalous gold values. The 5.5g/t Au/0.21m and 0.14 g/t Au/0.28m assays are hosted within this anomalous zone.

This drill hole demonstrated the eastern extension of an auriferous alteration/structural zone spatially associated with an IP anomaly that has been surveyed for a length of 400m. The source of the IP response is considered to be the graphite beds, and the alteration/structure of interest is located on the north flank of the response. This alteration zone is also located in close proximity to the inferred position of the Murdoch Creek Fault, which is an extension of the gold deposit related Kirkland Lake Break.

Drill Hole A95-2 was collared on L 11 + 00 W / 4 + 75 N, and was drilled south at 55° for a length of 224.9m. The overburden depth was 38m, vertical. The objective was to obtain a complete intersection of the altered magnesian tholeiite unit which hosts the gold-bearing vein encountered in DDH A94-1.

The drill hole encountered crackle breccia, composed of altered pillowed magnesium tholeiite with a graphite matrix at the bedrock surface. The calcite altered magnesian tholeiite which hosts the gold-bearing vein in DDH A94-1 was encountered



2 holes.

The gold content of the quartz-ankerite veins sampled did not exceed 1g/t Au, and the sulphide content of the veins was extremely low.

### Conclusions & Recommendations

The current drilling program tested a 200m length of a newly discovered alteration/fault zone near the west boundary of the property. This zone appears to strike 80°, dip 60°N, and is 25 to 35m wide, and is open to the east on the property, (Figure 4). The most westerly hole (A95-3) returned negligible gold values within this structure. At a site 100m east of this hole, DDHs A94-1 and A95-2, were drilled. Drill hole A94-1 returned a best assay of 4.0 g/t Au/0.1m, and the undercut hole, A95-2, returned a best assay of 0.9 g/t Au/0.3m within this structure. Drill hole A95-1, a further 100m to the east returned a best assay of 5.5 g/t Au/0.2m, and a second assay of 0.14 g/t Au/0.3m. The structure remains open to the east. The deepest test of the structure to date is about 110m (DDH A95-2), and it is reasonable to expect that this significant structure will continue to depths measured in kilometres. Therefore the potential to discover economic gold mineralization also exists at depth on the property. The known length of the structure is limited to the area surveyed, but it may well continue for a distance measured in kilometres.

The alteration zone is characterized by the presence of carbonate alteration (calcite and ankerite), disseminated pyrite within and adjacent to the veins, traces of chalcopyrite, abundant sericite and fuchsite, and graphite. This assemblage of alteration mineralogy is considered favourable for the occurrence of gold deposits. Structurally the zone cross cuts the stratigraphy at an approximate 20° angle along strike and 15-20° with respect to the northerly dip of the volcanic rocks, indicating a post-tectonic fault structure. The strike direction of the fault suggests that it may be a splay fault of the regional Murdoch Creek Fault, which is spatially associated with the major mines of the Kirkland Lake camp.

Of the 3 holes drilled in the current program, the mineralization encountered in the most easterly hole (A95-1) holds the most promise for the discovery of an economic gold deposit on the property. Analyses of sludge samples from this hole indicate a zone containing anomalous gold values (100-259 ppb Au) over an estimated true width of 35m. This zone hosts the highest assay (5.5 g/t Au/0.2m) of all those received in the 6 drill holes completed to date on the property.

It is recommended that further diamond drilling be conducted on the undrilled eastern continuation of the structure. the objective of this work is to test the gold mineralization potential at a depth of 300m below DDH A95-1 and to continue shallow drilling at a locations 100m and 200m further east.

Specific recommendations include drilling at the following 3 sites, to be undertaken in the summer season.

	Location	Dip	Azimuth	Length	Target
A	L 10+00W / 6+25 N	-60°	180°	350m	undercut A95-1
B	L 9+00W / 6+00 N	-50°	180°	225m	100m E
C	L 8+00W / 6+25 N	-50°	180°	225m	200m E

This 800m diamond drilling program would cost in the order of \$ 65,000 to \$ 70,000 (all costs inclusive).

## References

Harron, G.A. 1994, Diamond Drill Report, Arnold Twp, Larder Lake M.D., Regal Goldfields Limited, for Prince Gold Corporation, October 31, 1994, 22p

Hogg, W.A. 1964, Arnold and Katrine Townships, Ont. Dept. Mines, Geol. Rpt. 29, 15p, Map 2061 scale 1" = ½ mile

Knight, C.W. 1920, The Ben Nevis Gold Area, Ont. Dept. Mines, Vol. XXIX, pt 3, p1-27, Map 29e scale 1" = 1 mile

Webster, B. 1994, A logistical and Interpretive Report on IP/Resistivity, Total Field Magnetics and Airborne Geotem Geophysical Surveys on the Arnold Twp. Project, Ontario, for Prince Gold Corporation by Regal Goldfields Limited

Webster, B. 1994, Addendum to the Logistical and Interpretive Report on the I.P., Resistivity, Total Field Magnetics, and Airborne Geotem Geophysical Surveys on the Arnold Twp. Project, Ontario, for Prince Gold Corporation, by Regal Goldfields Limited, 4p, 4 plates

**Appendix 1. Drill Core Logs and Cross-Section Diagrams**

Diamond Drill Record

Client: Prince Gold Corporation  
 Proj./Property: Leahy Property  
 Area/Twp./Prov.: Arnold Twp.  
 NTS: 32 D/4, D/5  
 Claim(s): 1200117  
 Grid: West of Lake  
 Line: 10+00m W  
 Station: 5+50m N  
 Elevation: ground

Measure: Metric  
 Core Size: BQ  
 Azimuth: 180°  
 Dip: 50°  
 Length: 194.2  
 Casing: 38.4 BW  
           37.2 NW  
 Length Sampled: 15.7  
 Samples: 31  
 Boxes: 28  
 Recovery: 95%  
 RQD: n/a

Contractor: Heath & Sherwood  
 Drill: BBS 15  
 Start: Feb. 28/95  
 Finish: Mar. 2/95  
 Material left in Hole: Nil  
 Water Flow: No  
 Plugged: No  
 Cemented: No  
 Core Storage: M. Leahy, Kenogami Lake

Claim Sketch

Scale: 1:10,000 in report

Hole Survey: Acid Test	Depth	Corrected Angle
	0	50°
	97.5	49°
	146.3	48°
	194.2	46°

Objective: Test auriferous alteration/structural zone on north side of weak IP and coincident RES anomaly at 100 m east of DDH 94-1.

Observations: Overburden depth 29m. First bedrock was calcite altered magnesian tholeiite graphitic autobreccia and altered magnesian tholeiite pillow lava to a core length of 122m. Leucoxene-bearing tufts were next encountered for 9m, followed by a highly altered and sheared zone containing abundant yellow sericite and fuchsite for 26m. Within this unit a 0.2m quartz-calcite-sericite vein with 10% disseminated pyrite returned an assay of 5.54 g/t Au. Conductive graphite beds with interlayered tufts over a length of 17m were encountered below this alteration zone, which are considered as the causative source of the IP anomaly. The remainder of the hole from 169m to 194.2 consisted of altered magnesian tholeiite graphitic crackle breccia grading into less altered pillowed magnesian tholeiite.

Described by: Gerald A. Harron

Date: March 31, 1995

Signature: *Gerald A. Harron*

Diamond Drill Record

Metres	Description	C/A	Sample Number	Interval	Page 2 of 5		Hole: A95-1
					Length	Au (ppb)	
0.0-37.2	clay, sand, gravel						
37.2-42.7	Crackle Breccia (altered Mg tholeiite, graphite matrix) light grey, f.g., angular clasts to 15 cm, pervasive calcite alfn., clast supported, 5% graphite matrix, 3% of 0.6-1.3 cm calcite gash veins throughout. Distinct lower contact						
	38.95-38.98 qtz-cal vn, 2% diss. py and ser on margins	20					
	40.23-40.29 qtz-cal vn, 2% diss. py and ser on margins	20					
	41.30-41.40 oxidized fractures @ 20 and 45 to CA						
42.7-47.3	Graphite Breccia						
	50% graphite, matrix supported, rounded to angular light grey calcite altered Mg tholeiite clasts to 1 cm, 5% clots and diss py throughout, foliated, distinct lower contact	10					
	43.07-43.10 qtz-cal vn	65					
	44.32-44.35 qtz-cal vn	40					
	45.72-46.33 shear zone, well foliated	10					
	46.69-47.21 silicified zone, chloritic, 5% diss py	10	47455	46.69-47.21	0.52	17	17
47.3-81.1	Crackle Breccia (altered pillowed Mg tholeiite, graphite matrix) light grey to buff, f.g., pervasive calcite alfn., pillowed, clast supported, angular clasts to 15 cm, 15% graphite matrix, 10% cal gash veins throughout, well foliated 40-45 to CA to 66.5, then massive to 81.1 sericite noticeable below 55.0						
	intra-pillow hyaloclastite 3-6 cm wide, calcite rich, minor diss. py						
	47.73-48.13 qtz-cal vn	65					
	48.40-48.43 qtz-cal vn	40					
	49.59-49.65 qtz-cal vn	10					
	57.45-57.48 qtz-cal-ser, 5% diss. py vn	30	47456	57.45-57.91	0.46	27	
	57.48-57.91 sericitic shear zone, 5% diss py, calcite rich	30					
	57.88-57.91 qtz-cal vn, 3% diss. py	30					
	59.53-60.29 sericitic shear zone, 2% diss. py, chl-graph-cal rich	50	47457	59.53-60.29	0.76	38	
	59.98-60.02 qtz-cal vn, 5% diss. py on margins	80					
	64.68-65.53 sericitic shear zone, 5% diss. py, chl-graph rich, 25% cal vns	10	47458	64.68-65.53	0.85	15	
	65.81-66.11 qtz-cal vn, 5% diss. py	10	47459	65.81-66.51	0.70	12	
	66.26-66.51 qtz-cal vn, 5% diss. py, lower contact faulted 20 to CA	30					
	66.87-66.96 qtz-cal vn	10					
	75.28-75.38 qtz-cal vn	30					

Diamond Drill Record

152.0-154.6	Graphite							
	50% black, f.g., sheared graphite, 25% med grey chert, 20% white cal vns, 5% py clots, contorted and disrupted foliation, 7.5 cm qtz-cal vns at upper and lower contacts, sharp lower contact 55 to CA	55						
154.6-159.2	Altered Tuff							
	med grey, m to c.g., 15% of 1-2mm chlorite xenocrysts, up to 15% diss. py adj to vns over 7.5 cm, pervasive ser alt'n, foliated 20 to CA, sharp lower contact 70 to CA	70						
	156.15-156.76 qtz-ank vn, 20% diss. py on margins over 5 cm	30	47470	156.15-157.09	0.94	0	3	
	156.91-156.97 qtz-ank vn, 5% diss. py on margins over 2.5 cm, fuchsite	30						
	158.40-158.71 qtz-ank vn, 5% diss. py on margins over 7.5 cm, ser trace cpy	30	47471	158.19-158.83	0.64	0		
159.2-159.9	Graphite							
	60% sheared f.g. black graphite, 30% of 2.5-7.5cm qtz-cal vns @ 50 to CA, 10% py clots, contorted and disrupted foliation, sharp lower contact 65 to CA	65						
159.9-168.2	Altered Tuff							
	alternating l grey (sericitic) and m grey (chloritic) bands, f.g., pervasive cal alt'n, 5% of 1-2mm white feldspar phenocrysts, variable diss. py well foliated 40 to CA, sharp lower contact 40 to CA	60						
	161.24-162.64 minor shear, yellowish green (sericite and fuchsite), well foliated 30 to CA							
	163.07-164.13 3% diss. py		47472	163.07-164.13	1.06	0		
	165.87-166.85 5% diss. py		47473	165.87-166.85	0.98	15		
168.2-169.3	Graphite							
	50% black f.g. graphite, 10% qtz-cal vns, 30% dark grey chert, 10% clots and layers of py, well foliated 50 to CA, sharp lower contact 55 to CA	55						
169.3-178.6	Crackle Breccia (altered pillowed Mg tholeiite, graphite matrix)	70						
	l.grey, f.g., pervasive cal alt'n, 80% angular clast supported with 20% graphite matrix, patches of c.g. diss. py in matrix, sharp lower contact 70 to CA							
	170.99-171.60 5% c.g. diss. py in alt'd basalt and graphite	55	2406	170.99-171.60	0.61	19		
	177.12-178.40 qtz-cal vn, 5% diss. py, sericitic margins, 20% included chloritic wall rock		47474	177.12-178.40	1.28	0		

**A95-1**

Line 10+00 W

4+25N

4+50N

4+75N

5+00N

5+25N

5+50N

overburden

Crackle Breccia  
Graphite Breccia

50

Crackle Breccia

100

Altered Pillow Mg Tholeiite

Fuchsite Tuff  
Leucoxene Tuff

5.5/0.2

Highly Altered Pillow Mg Tholeiite

150

Graphite

Altered Tuff  
Graphite  
Crackle Breccia

Altered Pillow Mg Tholeiite

E.O.H 194.2m

Looking West  
Assays: g/t Au/m

10m

G.A. Harron & Assoc. Inc.

**Prince Gold Corporation  
A95 - 1 Drill Section**

Arnold Twp., Ont

Mar. 21, 1995

Scale: 1: 1000

Drwn by: G.A.H

Dwg # A95-1-1

Rev. by:



Diamond Drill Record

Client: Prince Gold Corporation  
 Proj./Property: Leahy Property  
 Area/Twp./Prov.: Arnold Twp. Ont.  
 NTS: 32 D/4, D/5  
 Claim(s): 1200117  
 Grid: West of Lake  
 Line: 11+00m W  
 Station: 5+25m N  
 Elevation: ground

Measure: Metric  
 Core Size: BQ  
 Azimuth: 180°  
 Dip: 55°  
 Length: 224.9  
 Casing: 48.0 BW  
 42.0 NW  
 Length Sampled: 9.89  
 Samples: 24  
 Boxes: 32  
 Recovery: 95%  
 RQD: n/a

Contractor: Heath & Sherwood  
 Drill: BBS 15  
 Start: Mar. 3/95  
 Finish: Mar. 6/95  
 Material left in Hole: Nil  
 Water Flow: No  
 Plugged: No  
 Cemented: No  
 Core Storage: M. Leahy, Kenogami Lake

Claim Sketch

Scale: 1:10,000 in report

Hole Survey: Acid Test	Depth	Corrected Angle
	0	55°
	48.8	53°
	91.4	52.5°
	152.4	50.5°

Objective: To undercut the auriferous alteration/structural zone in DDH A94-1 at a depth of 125m.

Observations: Overburden depth was 35m. Coring commenced in carbonate altered magnesian tholeiite graphitic autobreccia to 59.7m. The calcite altered pillowed magnesian tholeiite, which hosted a narrow auriferous vein in DDH A94-1 was cored from 59.7 to 123.1m. Below this unit is a 23.7 m section of calcite altered magnesian tholeiite graphitic autobreccia. From 123.7 to 128.7 an alteration/structural zone characterized by abundant yellow sericite and shearing correlates with the 58.9 to 65.0 interval in DDH A94-1. Below this unit a second calcite altered pillowed magnesian tholeiite unit is encountered from 146.8 to 189.7m. A 2.7 m wide porphyritic diorite dyke intrudes the volcanic flow at 167.2m. Following this unit is a weakly altered pillowed iron tholeiite unit in the interval 189.7 to 209.9m which exhibits minimal deformation textures. A 9m interval of mafic tuff and relatively fresh pillowed magnesian tholeiite were cut in the bottom of the hole. Pillow shapes indicate younging to the north. The only gold mineralization of note was 0.9 g/t Au/0.31 m.

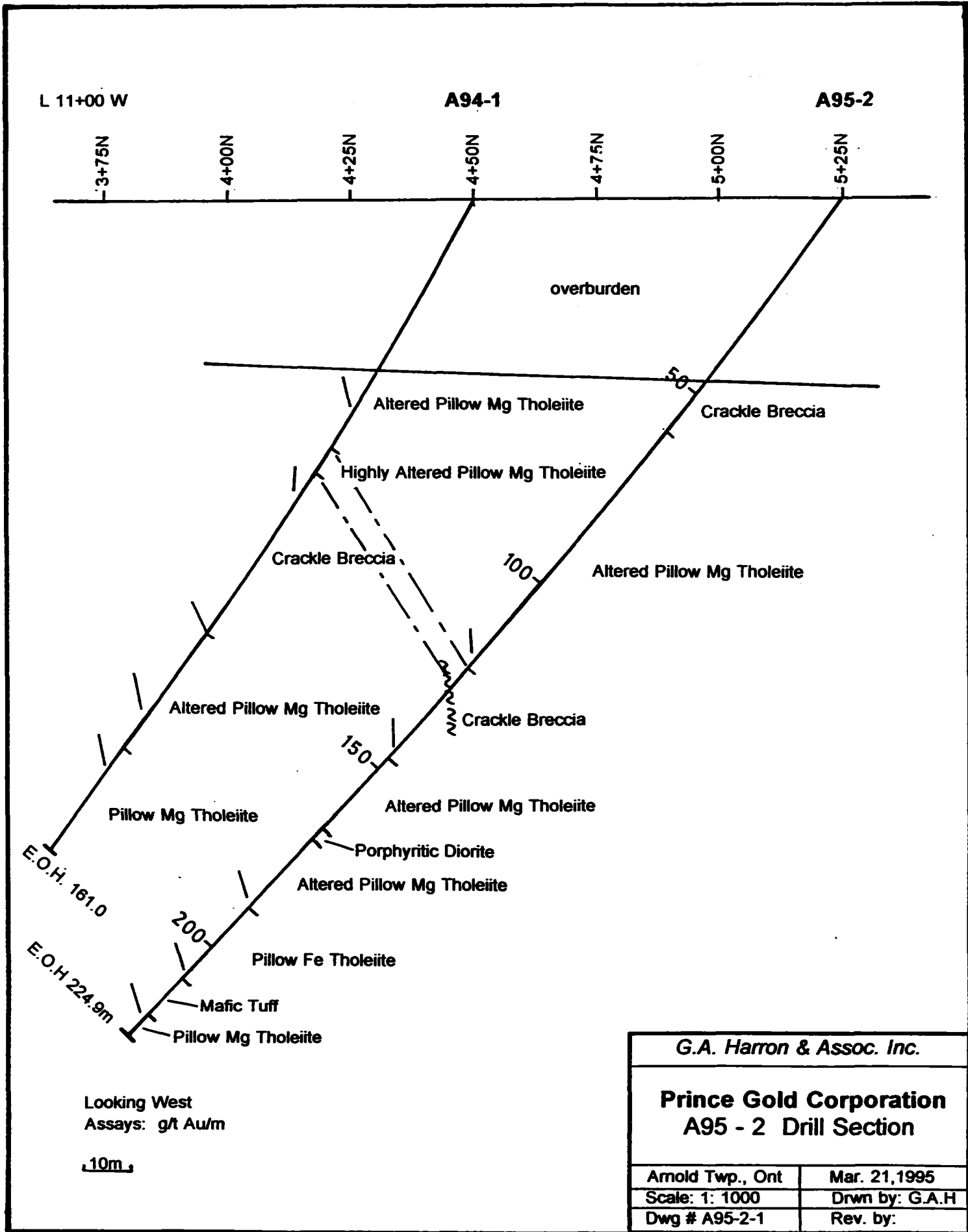
Described by: Gerald A. Harron

Date: March 31, 1995

Signature:



Diamond Drill Record		Page 3 of 4	Hole: A95-2
128.30-128.66	qtz-cal-ser vn, 10% diss. py	45	47487 128.30-128.66
138.23-138.56	qtz-cal-ser-graphite vn	60	47788 138.23-138.56
140.39-140.66	qtz-cal-ser vn, 2% diss. py	60	47489 140.39-140.66
141.55-142.01	qtz-cal vn, 2% diss. py	45	47490 141.55-142.01
142.22-142.67	qtz-cal-graphite vn, 1% diss. py	45	47491 142.22-142.76
<b>146.8-167.2 Altered Pillowed Mg Tholeiite</b>			
greenish-grey, f.g., pervasive calcite alt'n, 0.3-0.6m yellowish ser alt'n zones, sharp lower contact			
146.82-147.83	qtz-cal-graphite vn	45	47492 146.82-147.83
147.83-148.22	qtz-ser-ankerite vn, 1% cpy	45	47493 147.83-148.22
149.07-149.38	qtz-cal-ankerite vn, 5% diss. py	45	47494 149.07-149.38
151.21-151.42	qtz-cal-fuchsite vn, 5% diss. py	45	47495 151.21-151.42
159.93-160.02	qtz-cal-ser vn, 2% diss. py	40	
162.12-162.27	qtz-cal-fuchsite-ser vn, 10% diss. py	40	47496 162.12-162.46
162.34-162.46	qtz-cal-ser vn, 10% diss. py	60	
162.48-163.40	qtz-cal-ser-fuchsite vn, 5% diss. py, trace cpy	40	47497 162.46-163.40
163.67-163.89	qtz-cal-ser vn, 10% diss. py	45	
167.15-167.21	qtz-cal-ser vn, 10% diss. py	30	
<b>167.2-170.0 Porphyritic Diorite Dyke</b>			
dark grey, f.g., 10-15% equant whitish feldspar phenocrysts, 5% diss. py throughout, sharp lower contact 50 to CA			
167.21-167.52	10% diss. py	50	
169.65-169.74	qtz-cal-ser vn, 10% diss. py	60	47498 167.21-167.52
169.74-170.00	qtz-cal-ser vn, 10% diss. py	10	47499 169.65-170.23
<b>170.0-189.7 Altered Pillowed Mg Tholeiite</b>			
greenish-grey, f.g., pervasive calcite alt'n, 10% calcite gash vns throughout, sharp lower contact 60 to CA			
177.42-177.57	qtz-cal-chlorite vn	60	
179.34-179.40	qtz-cal vn	50	
181.14-181.26	qtz-cal vn	45	
187.54-187.57	qtz-cal vn, 10% diss. py	80	
474500	187.54-187.97	50	474500 187.54-187.97
<b>189.7-209.9 Pillowed Fe Tholeiite</b>			
m green, f.g., intra-pillow hyaloclastite epidote rich, patches of pervasive calcite alt'n, sharp lower contact 60 to CA			
195.41-195.53	qtz-chlorite vn	45	
198.18-198.33	qtz-hematite vn	45	



Looking West  
Assays: g/t Au/m

10m

G.A. Harron & Assoc. Inc.	
Prince Gold Corporation A95 - 2 Drill Section	
Arnold Twp., Ont	Mar. 21, 1995
Scale: 1: 1000	Drwn by: G.A.H
Dwg # A95-2-1	Rev. by:

Diamond Drill Record

Metres	Description	C/A	Sample Number	Page 2 of 5		Hole: A95-3	
				Length	Interval	1st Au (ppb)	2nd Au (ppb)
0.0-43.3	overburden: clay, sand, gravel						
43.3-51.5	Altered Tuff l grey, f. to m.g., pervasive ankerite and ser alt'n, 10% of 1-2mm fuchsite grains, short silicified sections, foliated 30 to CA, sharp lower contact 30 to CA	30					
	49.16 oxidized fracture (fault?)						
	49.83 oxidized fracture (fault?)						
51.5-52.8	Highly Altered Pillowed Mg Tholeiite l grey, f.g., foliated 30 to CA, yellowish ser on foliation surfaces, sharp lower contact 30 to CA	30					
52.8-52.9	Diorite Dyke dark grey, f.g., faulted lower contact at 30 to CA	30					
52.9-68.4	Highly Altered Pillowed Mg Tholeiite l grey, f.g., pervasive ankerite alt'n, chlorite and yellow sericite on foliation surfaces, contorted and disrupted fabric averaging 0-30 to CA core largely broken into small fragments, kaolinite on some fault and fracture surfaces, faulted lower contact 30 to CA	30					
	50% qtz-ankerite veinlets 52.9-58.2						
	54.07-54.22 qtz-ankerite-ser vn, 1% diss. py	60	47501	54.07-54.22	0.15	0	
	55.83-56.14 qtz-ankerite-ser-fuchsite vn, 5% diss. py	30	47502	55.83-56.14	0.31	20	20
	56.78-56.94 qtz-ankerite-ser vn, 1% diss. py	45	47503	56.78-56.94	0.16	0	
	57.15-57.24 qtz-ankerite-ser vn, 1% diss. py, 1% cpy	60	47504	57.15-57.24	0.09	0	
	10% qtz-ankerite veinlets 52.8-60.4						
	60% qtz-ankerite veinlets 60.4-68.4						
	65.44-65.74 qtz-ankerite-ser vn, 1% diss. py	30	47505	65.44-65.74	0.30	0	
	66.57-67.06 qtz-ankerite-ser vn, 1% diss. py	30	47506	66.57-67.06	0.09	90	85
68.4-77.6	Altered Pillowed Mg Tholeiite l grey to buff, f.g., pervasive ankerite and ser alt'n, intra-pillow hyalo-clasite calcite and py rich, 75.38-76.69 minor shear zone with fuchsite and ser, 30 to CA, sharp lower contact 20 to CA	20					
	71.29-71.60 qtz-ankerite-ser-chlorite vn, 1% diss. py	30	47507	71.29-71.60	0.31	0	
	73.43-73.52 qtz-ankerite-ser vn, 5% diss. py	45	47508	73.38-76.02	0.64	0	
	76.07-76.69 qtz-ser-fuchsite vn, 1% diss. py	40	47509	76.07-76.69	0.62	10	

Diamond Drill Record

	tholeiite, clast supported, 30% graphite matrix, sharp lower contact 90 to CA					
106.8-115.8	Crackle Breccia (leucoxene tuff, graphite matrix) l grey to buff, m.g., pervasive calcite and ser, 70% angular tuff clasts, clast supported, 30% graphite matrix, fragment size 1-10cm, hyalo-clastite texture 114.9-115.8, sharp lower contact 35 to CA 112.78-113.23 80% graphite matrix 113.08-113.39 fault at 10 to CA 114.18-114.27 qtz-cal-ankerite vn, 1% diss. py 114.54-114.60 qtz-cal vn	35			0	
115.8-126.9	Crackle Breccia (altered pillowed Mg tholeiite, graphite matrix) l grey to buff, f.g., pervasive calcite alt'n, 85% angular clasts, clast supported, 15% graphite matrix, sharp lower contact 70 to CA 120.40-120.79 qtz-ankerite-cal vn, 5% diss. py, trace cpy	70		47523 114.18-114.30	0.12	
126.9-175.5	Altered Pillowed Mg Tholeiite m grey, f.g., pervasive calcite alt'n, intra-pillow hyaloclastite calcite rich sharp lower contact 80 to CA 132.77-132.89 pink calcite vn 136.49-136.64 calcite vn 10cm wide, 3% cpy	80				
175.5-184.7	Pillowed Fe Tholeiite m green, f.g., patches of pervasive calcite alt'n, patches of silicification 5% of 2mm-1cm calcite gash vns oriented at random angles, intra-pillow hyaloclastite is qtz-epidote-hematite rich, lower contact lost in ground core 183.18-183.92 cal vn	70				
184.7-186.7	Porphyritic Mafic Dyke dark grey, m.g., 10-40% of 1-2mm feldspar phenocrysts, massive texture, sharp lower contact 60 to CA	10				
186.7-193.5	Pillowed Fe Tholeiite m. green, f.g., pervasive calcite alt'n, 10% of 3-5mm calcite gash vns oriented at random angles, sharp lower contact 35 to CA	35				
193.5-196.9	Massive Fe Tholeiite Flow dark green, m.g., pervasive calcite alt'n, massive texture					

**Diamond Drill Record**

Page 5 of 5

Hole: A95-3

E.O.H. 1699

No sludge samples

**Appendix 2. Geochemical Analyses Certificates**



Established 1928

# Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Page 2 of 2

## Geochemical Analysis Certificate

5W-0661-RG1

Company: **PRINCE GOLD CORP**  
 Project: **Arnold**  
 Assn: **D. Bannerman**

Date: **MAR-15-95**

We hereby certify the following Geochemical Analysis of 46 Core samples submitted MAR-08-95 by G. Harron.

Sample Number	Au PPB	Au Check PPB
47485-J	17	10
47486-J	2	-
47487-J	12	-
47488-J	2	-
47489-J	Nil	-
47490-J	Nil	-
47491-J	Nil	-
47492-J	Nil	-
47493-J	7	-
47494-J	5	-
47495-J	Nil	-
47496-J	38	-
47497-J	Nil	-
47498-J	79	103
47499-J	2	-
47500-J	5	-

One assay ton portion used.

Certified by 

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705) 642-3244

FAX (705) 642-3300





Established 1928

# Swastika Laboratories

A Division of TSI/Assayers Inc.

Assaying - Consulting - Representation

## Geochemical Analysis Certificate

5W-0694-RG1

Company: **PRINCE GOLD CORP**  
 Project: **Arnold**  
 Ann: **M. Leahy / D. Bannerman**

Date: **MAR-16-95**

We hereby certify the following Geochemical Analysis of 23 Rock samples submitted MAR-12-95 by .

Sample Number	Au g/tonne	Au g/tonne
47501-J	Nil	
47502-J	0.02	0.02
47503-J	Nil	
47504-J	Nil	
47505-J	Nil	
47506-J	0.09	0.08
47507-J	Nil	
47508-J	Nil	
47509-J	0.01	
47510-J	Nil	
47511-J	0.01	0.01
47512-J	Nil	
47513-J	Nil	
47514-J	Nil	
47515-J	Nil	
47516-J	Nil	
47517-J	Nil	
47518-J	Nil	
47519-J	Nil	
47520-J	0.01	0.01
47521-J	0.01	
47522-J	Nil	
47523-J	Nil	

One assay ton used

Certified by

P.O. Box 10, Swastika, Ontario P0K 1T0  
 Telephone (705) 642-3244 FAX (705) 642-3300



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Page 1 of 2

## Geochemical Analysis Certificate

5W-0662-RG1

Company: **PRINCE GOLD CORP**

Date: MAR-20-95

Project: **Arnold**

Attn: **D. Bannerman**

We hereby certify the following Geochemical Analysis of 50 Sludge samples submitted MAR-08-95 by G. Harron.

Sample Number	Au PPB	Au Check PPB
47617-J	Nil	-
47618-J	5	9
47619-J	5	-
47620-J	34	-
47621-J	29	-
47622-J	62	65
47623-J	31	-
47624-J	19	-
47625-J	10	-
47626-J	12	-
47627-J	14	-
47628-J	7	-
47629-J	10	-
47630-J	5	-
47631-J	10	-
47632-J	101	-
47633-J	213	243
47634-J	108	-
47635-J	129	122
47636-J	144	-
47637-J	144	-
47638-J	257	261
47639-J	79	74
47640-J	43	-
47641-J	17	-
47642-J	5	-
47643-J	3	-
47644-J	12	-
47645-J	21	-
47646-J	7	-

One assay ton portion used.

Certified by

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705) 642-3244

FAX (705) 642-3300



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Page 2 of 2

## Geochemical Analysis Certificate

5W-0662-RG1

Company: **PRINCE GOLD CORP**  
 Project: **Arnold**  
 Attn: **D. Bannerman**

Date: **MAR-20-95**

We hereby certify the following Geochemical Analysis of 50 Sludge samples submitted MAR-08-95 by G. Harron.

Sample Number	Au PPB	Au Check PPB
47647-J	12	-
47648-J	9	-
47649-J	22	-
47650-J	17	-
47651-J	39	-
47652-J	3	-
47653-J	12	-
47654-J	3	-
47655-J	15	-
47656-J	24	-
47657-J	5	5
47658-J	5	-
47659-J	10	-
47660-J	24	27
47661-J	21	-
47662-J	14	-
47663-J	2	-
47664-J	7	-
47665-J	Nil	-
47666-J	Nil	-

One assay ton portion used.

Certified by

P.O. Box 10, Swastika, Ontario P0K 1T0  
 Telephone (705) 642-3244 FAX (705) 642-3300



Established 1928

# Swastika Laboratories

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Assaying - Consulting - Representation

## Geochemical Analysis Certificate

5W-0893-RG1

Company: **PRINCE GOLD CORPORATION**

Date: MAR-31-95


Project:

Attn: **D. Bannerman/M. Leahy**

*We hereby certify* the following Geochemical Analysis of 6 Core samples submitted MAR-28-95 by M. Leahy.

Sample Number	Au PPB	Au Check PPB
C-2-401	43	45
C-2-402	24	-
C-2-403	19	-
C-2-404	34	33
C-2-405	15	-
C-2-406	19	-

One assay ton portion used.

Certified by 



# Report of Work Conducted After Recording Claim

## Mining Act

Transaction Number  
**DOCUMENT No.**  
W9580.00452

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

- Instructions:**
- Please type or print and submit in duplicate.
  - Refer to the Mining Act and Regulations for Recorder.
  - A separate copy of this form must be completed.
  - Technical reports and maps must accompany.
  - A sketch, showing the claims the work is a



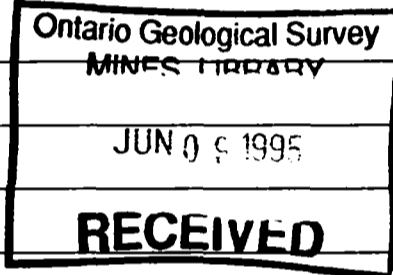
32D04NW0227 W9580 00452 ARNOLD

900

Recorded Holder(s) <b>PRINCE GOLD CORPORATION</b>		Client No. <b>30092B</b>
Address <b>350 BAY ST., SUITE 1100, TORONTO, ONT. M5H 2S6</b>		Telephone No. <b>(416) 364-1130</b>
Mining Division <b>LARDER LAKE</b>	Township/Area <b>ARNOLD TWP</b>	M or G Plan No. <b>M 321</b>
Dates Work Performed From: <b>FEB. 28, 1995</b>		To: <b>MAR. 31, 1995</b>

**Work Performed (Check One Work Group Only)**

Work Group	Type
<input type="checkbox"/> Geotechnical Survey	
<input checked="" type="checkbox"/> Physical Work, Including Drilling	<b>616.0 m BQ size core drilling</b>
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	



Total Assessment Work Claimed on the Attached Statement of Costs \$ **53724**

**Note:** The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

**Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)**

Name	Address
<b>HEATH &amp; SHERWOOD DRILLING INC</b>	<b>34 DUNCAN AVE., KIRKLAND LAKE, ONT P2N 3L3</b>
<b>SWASTIKA LABORATORIES</b>	<b>P.O. Box 10, SWASTIKA, ONT POK 1T0</b>
<b>MR. M. LEAHY</b>	<b>139 CARTER ST, KIRKLAND LAKE, ONT. P2N 2A1</b>
<b>G.A. HARRON &amp; ASSOCIATES INC</b>	<b>350 BAY ST, 11th FLOOR, TORONTO, ONT M5H 2S6</b>

(attach a schedule if necessary)

**Certification of Beneficial Interest \* See Note No. 1 on reverse side**

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date <b>APR June 1 1995</b>	Recorded Holder or Agent (Signature) <b>G.A. Harron</b>
--	--------------------------------	--

**Certification of Work Report**

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.		
Name and Address of Person Certifying <b>MR. GERALD A. HARRON, 1050 CALDWELL AVE, MISSISSAUGA, ONT. L5H 1Z4</b>		
Telephone No. <b>(416) 865-1060</b>	Date <b>June 1 1995</b>	Certified By (Signature) <b>Gerald A. Harron</b>

**For Office Use Only**

Total Value Cr. Recorded <b>Reserve 53724.</b>	Date Recorded <b>June 5 1995</b>	Mining Recorder <b>[Signature]</b>	Received Stamp <b>JUN 5 1995</b>
	Designated Approval Date <b>Sept 3 1995</b>	Date Approved <b>[Signature]</b>	
	Date Notice for Amendments Sent		





Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des mines

**Statement of Costs  
for Assessment Credit**

**État des coûts aux fins  
du crédit d'évaluation**

**Mining Act/Loi sur les mines**

DOCUMENT No.  
Transaction No./N° de transaction  
W5580 • 00452

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4<sup>e</sup> étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

**1. Direct Costs/Coûts directs**

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre		
	Field Supervision Supervision sur le terrain		
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type Drilling	36769.5	
	Geology	11931.00	
	Assay	1337.50	50,038
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type Truck	500.00	
	Skidoo	250.00	
	Core Logging Facility	871.25	1,621
<b>Total Direct Costs Total des coûts directs</b>			<b>51659</b>

**2. Indirect Costs/Coûts indirects**

\*\* Note: When claiming Rehabilitation work Indirect costs are not allowable as assessment work.  
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type Vehicle	555.76	
			556
Food and Lodging Nourriture et hébergement		1509.21	1,509
Mobilization and Demobilization Mobilisation et démobilisation			
<b>Sub Total of Indirect Costs Total partiel des coûts indirects</b>			<b>2,065</b>
<b>Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)</b>			
<b>Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs)</b>			<b>53,724</b>

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

**Filing Discounts**

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
	x 0.50 =

**Remises pour dépôt**

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Évaluation totale demandée
	x 0,50 =

**Certification Verifying Statement of Costs**

I hereby certify:  
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as Agent I am authorized  
(Recorded Holder, Agent, Position in Company)

to make this certification

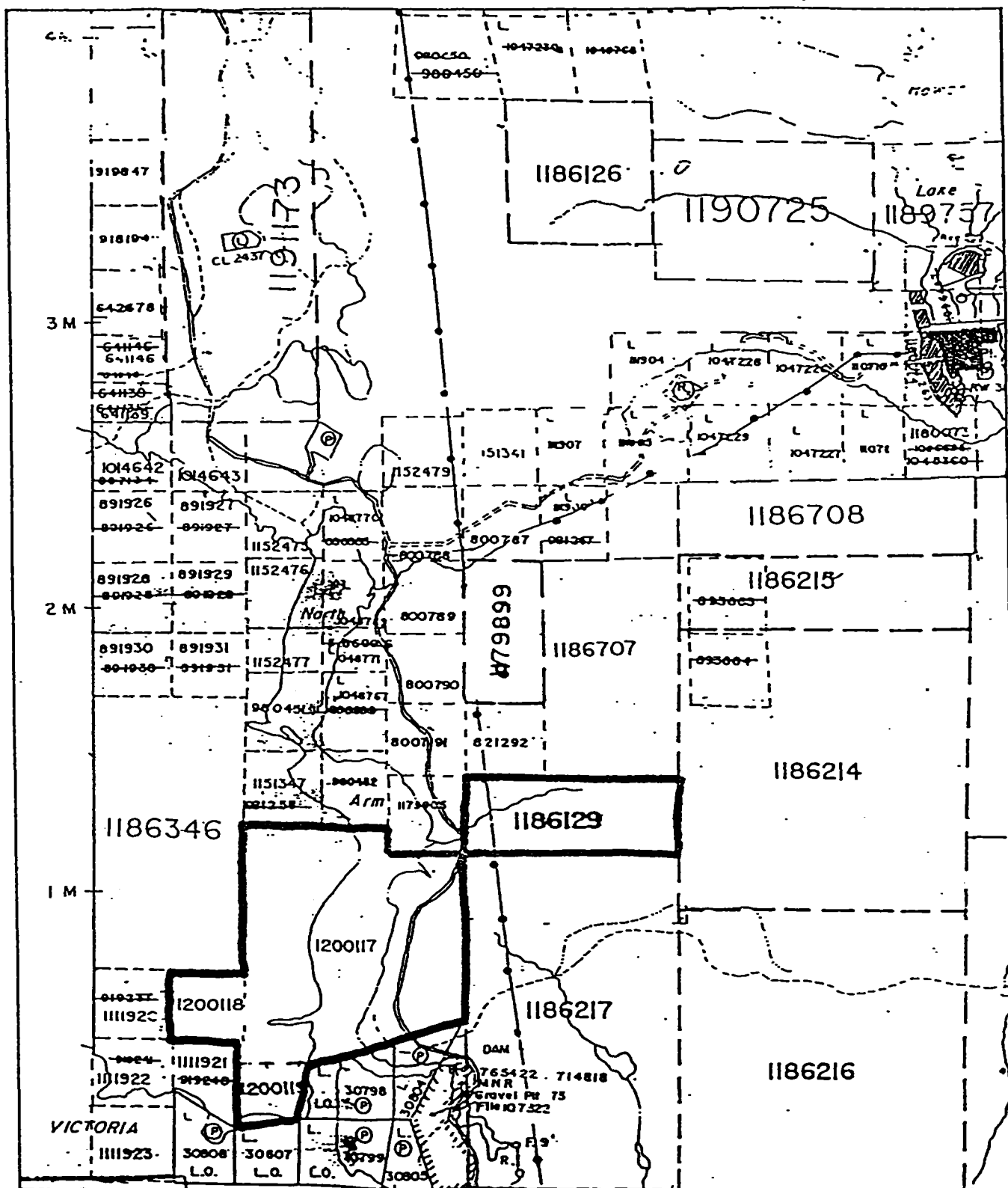
**Attestation de l'état des coûts**

J'atteste par la présente :  
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de \_\_\_\_\_ je suis autorisé  
(titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature Derald Herron Date June 1 1995



**CLAIM MAP**  
**Prince Gold Corporation**  
 VICTORIA LAKE  
 Arnold Twp. Project - Kirdand Lake area, Ontario

Scale : 1 : 35,000



ISEM

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ARNOLD TWP.

ARNOLD TWP.

ISEM

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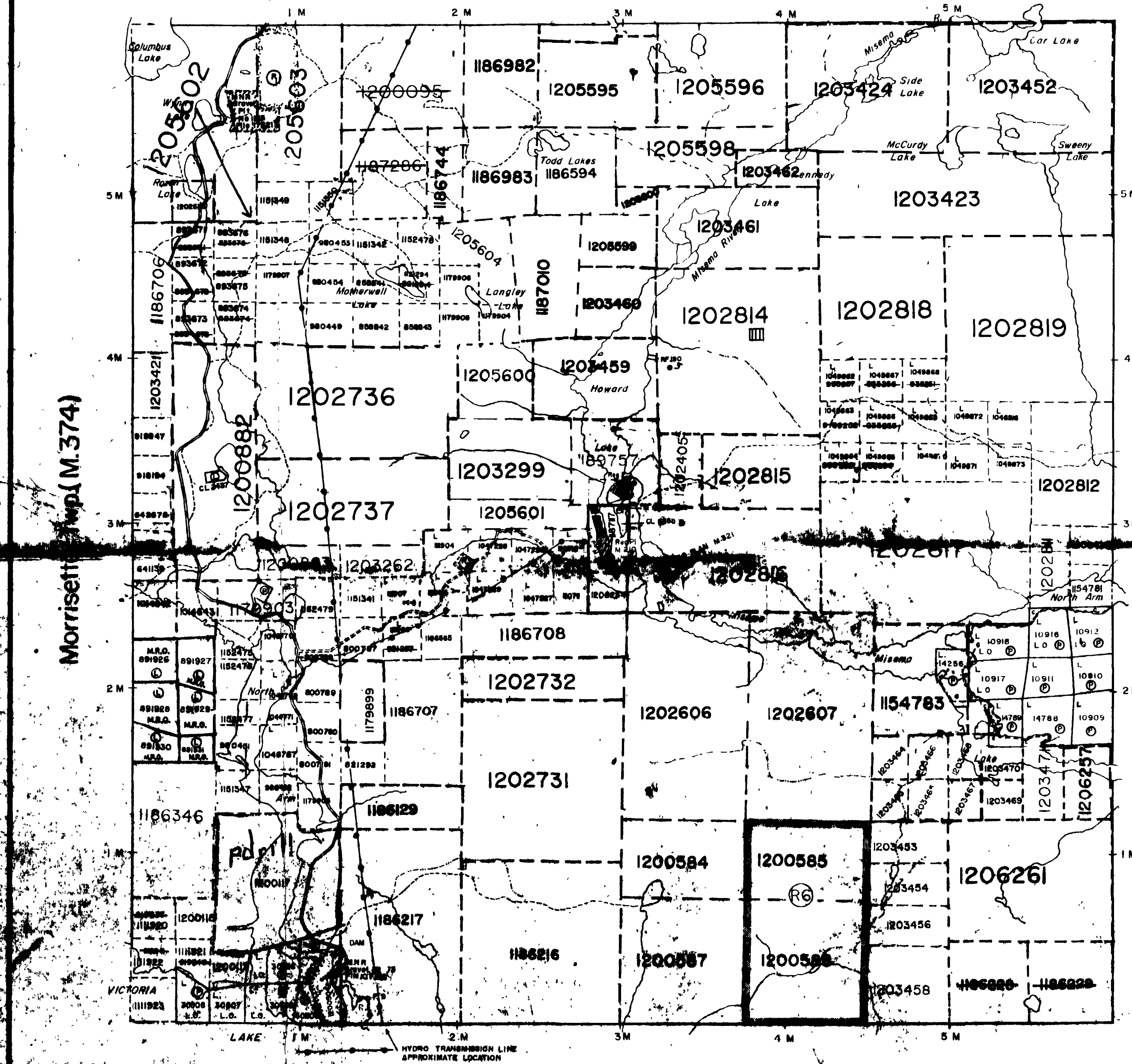
Clifford Twp. (M.338)

THE TOWNSHIP OF  
OF  
**ARNOLD**

DISTRICT OF  
TIMISKAMING

LARDER LAKE  
MINING DIVISION

SCALE: 1-INCH = 40 CHAINS



LEGEND

- PATENTED LAND Ⓢ
- CROWN LAND SALE C.S.
- LEASES Ⓛ
- LOCATED LAND L.C.
- LICENSE OF OCCUPATION L.O.
- MINING RIGHTS ONLY M.R.O.
- SURFACE RIGHTS ONLY S.R.O.
- ROADS —
- IMPROVED ROADS —
- KING'S HIGHWAYS —
- RAILWAYS —
- POWER LINES —
- MARSH OR MUSKEG —
- MINES Ⓜ
- CANCELLED Ⓢ
- PATENT SURFACE RIGHTS ONLY Ⓢ

NOTES

- 400' Surface Rights Reservation along the shores of all lakes and rivers
- Areas withdrawn from staking under Section 36 of the Mining Act (R.S.O. 1980)
 

Order No.	File	Date	Disposition
Ⓢ			SURFACE RIGHTS WITHDRAWN FROM STAKING SECTION 43 ORDER (R.S.O.1970) FILE NO. 163497
Ⓢ			SURFACE RIGHTS WITHDRAWN FROM STAKING SECTION 43 ORDER (R.S.O.1970) NON R. W.32/79
- Ⓢ SURFACE - MINING RIGHTS WITHDRAWN FROM STAKING SECTION 36 ORDER NO. W-23/82 ORDER NO. 0-34789 CASE W-33/82
- Ⓢ SURFACE - MINING RIGHTS WITHDRAWN FROM STAKING SECTION 36 ORDER NO. W-23/82 ORDER NO. 0-34789 CASE W-33/82
- Ⓢ PROPOSED MINING SUBDIVISION
- Ⓢ MINING RIGHTS WITHDRAWN FROM STAKING SECTION 36 OF THE MINING ACT (R.S.O. 1980) FILE NO. 163497

PLAN NO M.321

MINISTRY OF  
NORTHERN DEVELOPMENT  
AND MINES

Gauthier Twp. (M. 350)

COPY OF THIS MYLAR  
ARCHIVED APR.08/92

IN CIRCULATION JULY 8/1988 T.O.

NOTICE !!!

THIS TOWNSHIP/AREA FALLS WITHIN THE  
TIMISKAMING MANAGEMENT UNIT AND MAY BE  
SUBJECT TO FORESTRY OPERATIONS  
THE MNR UNIT FORESTER FOR THIS AREA CAN BE  
CONTACTED AT/ P.O.BOX 129 SWASTIKA,ONT

ARCHIVED APR. 18, 1994



32D04W0227 W9580 00452 ARNOLD

TRIM LINE