

2006 DIAMOND DRILLING REPORT
SIWASH GOLD MINE AREA
ELK PROPERTY

Similkameen Mining Division
Siwash Lake Area, British Columbia
NTS: 92H/16W; Lat. 49°50'N; Long. 120°19'W
VOLUME I: TEXT, TABLES, FIGURES & APPENDICES

March 2007

2006
T-10V

Almaden Minerals Ltd.

1103-780 West Pender Street
Vancouver, B.C.
V6C 2T8, Canada
ph: (604) 689-7644
fax: (604) 689-7845

April 2, 2007

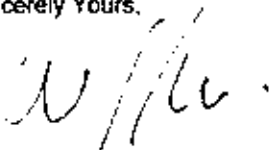
Mr. Allan Wilcox
Geological Survey Branch
5th Floor
1810 Blanshard Street
Victoria, B.C.
V8T 4J1

Dear Mr. Wilcox:

Re: Change to Statement of Work – Event # 4115809

Attached is the assessment report for the Elk claims 2006 drill program. The report was truncated due to time constraints and the soil sampling and trenching programs that were noted on the statement of work are not described in this report. The \$1,000,000 claimed expenses on the statement of work have been reduced to \$990,080 as per the statement of costs in the report but this more than covers the \$184,183.08 required to advance the claim expiry dates. However, the difference between the claimed \$1,000,000 and expended \$990,080 will require an adjustment to Almaden's PAC account. If you have any questions please do not hesitate to call me.

Sincerely Yours,



Almaden Minerals Ltd.
Wojtek Jakubowski, P. Geo

WJ/wj

Ministry of Energy & Mines
Energy & Minerals Division
Geological Survey Branch

**ASSESSMENT REPORT
TITLE PAGE AND SUMMARY**

TITLE OF REPORT (type of survey(s)) 2006 DIAMOND DRILLING SIWASH GOLD MINE AREA TOTAL COST \$990 080

AUTHOR(S) WOJTEK JARUBOWSKI SIGNATURE(S) [Signature]

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S) MX-4-387 JUNE 8 2005 YEAR OF WORK 2006

STATEMENT OF WORK - CASH PAYMENT EVENT NUMBER(S)/DATE(S) 4115809

PROPERTY NAME ELK

CLAIM NAME(S) (on which work was done) SIWASH NORTH MINING LEASE - 308695,
CLAIM RECORD # 516746

COMMODITIES SOUGHT GOLD SILVER QUARTZ

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN 092HNE096

MINING DIVISION SIWASH NTS 92H 16W

LATITUDE 49 ° 51 ' 3 " LONGITUDE 120 ° 18 ' 29 " (at centre of work)

OWNER(S)
1) ALMADEN MINERALS LTD. 2) _____

MAILING ADDRESS
#1103 750 W. PENDER ST
VANCOUVER BC V6C 2T8

OPERATOR(S) (who paid for the work)
1) SAME 2) _____

MAILING ADDRESS

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
TRIASSIC NICOLA GROUP, JURASSIC OSPREY LAKE INTRUSION, LATE
CRETACEOUS OTTER INTRUSIONS, MESOTHERMAL GOLD BEARING QUARTZ
VEIN, PHYLLIC, SERICITIC ALTERATION, QUARTZ MONZONITE, GRANODIORITE
ANDESITE DYKE

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS
27150 28263 24374

(OVER)

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL			
(number of samples analysed for ...)			
Soil			
Silt			
Rock			
Other			
DRILLING			
(total metres; number of holes, size)			
Core	8873 m 58 HOLES NO	308695, 516740	\$943 851
Non-core			
RELATED TECHNICAL			
Sampling/assaying	1458 SAMPLES	" "	\$37 169
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY/PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail	0.50 km + 21 DRILL SITES	" "	\$9060
Trench (metres)			
Underground dev. (metres)			
Other			
TOTAL COST			\$990 080


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Mineral Titles Online

Mineral Claim Exploration and Development Work/Expiry Date Change

- Select Input Method
- Select/Input Tenures
- Input Lots
- Data Input Form
- Review Form Data
- Process Payment
- Print Confirmation

Recorder: ALMADEN MINERALS LTD. (144134)

Submitter: ALMADEN MINERALS LTD. (144134)

Recorded: 2006/DEC/11

Effective: 2006/DEC/11

D/E Date: 2006/DEC/11

Work Start Date: 2005/JUN/02
Work Stop Date: 2006/OCT/28

Total Value of Work: \$ 1000000.00
Mine Permit No: M199

Work Type: Technical and Physical Work

Physical Items: Drilling, Trench or open-cut work

Technical Items: Drilling, Geochemical, Prospecting, Road and trail work

- [Main Menu](#)
- [Search Tenures](#)
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- [View Placer Tenures](#)

- [MTQ Help Tips](#)

Summary of the work value:

Tenure #	Claim Name/Property	Issue Date	Good To Date	New Good To Date	# of Days Forward	Area in Ha	W Va D
516781	ELK05A	2005/jul/11	2015/jan/12	2016/jan/12	365	20.85	\$ 1
517116	ELK05B	2005/jul/12	2015/jan/12	2016/jan/12	365	41.65	\$ 3
524944	ELK06A	2006/jan/09	2007/jan/09	2011/jan/12	1464	500.07	\$ 100
524945	ELK06B	2006/jan/09	2007/jan/09	2011/jan/12	1464	499.90	\$ 100
524946	ELK06C	2006/jan/09	2007/jan/09	2011/jan/12	1464	499.73	\$ 100
524947	ELK06D	2006/jan/09	2007/jan/09	2011/jan/12	1464	499.56	\$ 100
524948	ELK06E	2006/jan/09	2007/jan/09	2011/jan/12	1464	499.56	\$ 100
524949	ELK06F	2006/jan/09	2007/jan/09	2011/jan/12	1464	499.73	\$ 100
524950	ELK06G	2006/jan/09	2007/jan/09	2011/jan/12	1464	270.75	\$ 54
524952	ELK06H	2006/jan/09	2007/jan/09	2011/jan/12	1464	520.33	\$ 104
524954	ELK06I	2006/jan/09	2007/jan/09	2011/jan/12	1464	499.43	\$ 100
517045		2005/jul/12	2015/jan/12	2016/jan/12	365	20.86	\$ 1
516717		2005/jul/11	2015/jan/12	2016/jan/12	365	520.57	\$ 41
516725		2005/jul/11	2015/jan/12	2016/jan/12	365	624.98	\$ 49
516727		2005/jul/11	2015/jan/12	2016/jan/12	365	521.05	\$ 41
516731		2005/jul/11	2015/jan/12	2016/jan/12	365	521.26	\$ 41
516732		2005/jul/11	2015/jan/12	2016/jan/12	365	1481.07	\$ 118
516733		2005/jul/11	2015/jan/12	2016/jan/12	365	938.03	\$ 74
516739		2005/jul/11	2015/jan/12	2016/jan/12	365	624.69	\$ 49
516740		2005/jul/11	2015/jan/12	2016/jan/12	365	1458.28	\$ 116
516743		2005/jul/11	2015/jan/12	2016/jan/12	365	166.61	\$ 13
516750		2005/jul/11	2015/jan/12	2016/jan/12	365	1271.49	\$ 101
516755		2005/jul/11	2015/jan/12	2016/jan/12	365	1188.84	\$ 94
516757		2005/jul/11	2015/jan/12	2016/jan/12	365	1021.84	\$ 81
516759		2005/jul/11	2015/jan/12	2016/jan/12	365	1125.59	\$ 89
516761		2005/jul/11	2015/jan/12	2016/jan/12	365	625.03	\$ 49

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519105 | 2005/aug/16 | 2015/jan/12 | 2016/jan/12 | 365 | 104.30 | \$ 8

Total required work value:	\$	184143.08
PAC name:		Almaden Minerals Ltd.
Debited PAC amount:	\$	0.00
Credited PAC amount:	\$	815856.92
Total Submission Fees:	\$	11792.07
Total to Pay:	\$	11792.07

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From: MT.online@gov.bc.ca
To: info@almadenminerals.com
Subject: SOW-M (4115809) 2006/DEC/11 16:24:9 Mineral Titles Online,
Transaction event, Email confirmation

Event Number: 4115809
Event Type: Exploration and Development Work / Expiry Date Change

Work Type Code: B

Required Work Amount: 184143.08

Total Work Amount: 1000000.00

Total Amount Paid: 11792.07

PAC Name: Almaden Minerals Ltd.

PAC Debit: 0.00

Tenure Number: 516781
Tenure Type: M
Tenure Subtype: C
Claim Name: ELK05A
Old Good To Date: 2015/jan/12
New Good To Date: 2016/jan/12
Tenure Required Work Amount: 166.56
Tenure Submission Fee: 8.34

Tenure Number: 517116
Tenure Type: M
Tenure Subtype: C
Claim Name: ELK05B
Old Good To Date: 2015/jan/12
New Good To Date: 2016/jan/12
Tenure Required Work Amount: 332.74
Tenure Submission Fee: 16.66



Tenure Number: 524944
Tenure Type: M
Tenure Subtype: C
Claim Name: ELK06A
Old Good To Date: 2007/jan/09
New Good To Date: 2011/jan/12
Tenure Required Work Amount: 10034.32
Tenure Submission Fee: 802.31

Tenure Number: 524945
Tenure Type: M
Tenure Subtype: C
Claim Name: ELK06B

Old Good To Date: 2007/jan/09
New Good To Date: 2011/jan/12
Tenure Required Work Amount: 10030.89
Tenure Submission Fee: 802.03

Tenure Number: 524946
Tenure Type: M
Tenure Subtype: C
Claim Name: ELK06C
Old Good To Date: 2007/jan/09
New Good To Date: 2011/jan/12
Tenure Required Work Amount: 10027.44
Tenure Submission Fee: 801.76

Tenure Number: 524947
Tenure Type: M
Tenure Subtype: C
Claim Name: ELK06D
Old Good To Date: 2007/jan/09
New Good To Date: 2011/jan/12
Tenure Required Work Amount: 10024.01
Tenure Submission Fee: 801.48

Tenure Number: 524948
Tenure Type: M
Tenure Subtype: C
Claim Name: ELK06E
Old Good To Date: 2007/jan/09
New Good To Date: 2011/jan/12
Tenure Required Work Amount: 10023.97
Tenure Submission Fee: 801.48

Tenure Number: 524949
Tenure Type: M
Tenure Subtype: C
Claim Name: ELK06F
Old Good To Date: 2007/jan/09
New Good To Date: 2011/jan/12
Tenure Required Work Amount: 10027.40
Tenure Submission Fee: 801.75

Tenure Number: 524950
Tenure Type: M
Tenure Subtype: C
Claim Name: ELK06G
Old Good To Date: 2007/jan/09
New Good To Date: 2011/jan/12
Tenure Required Work Amount: 5432.82
Tenure Submission Fee: 434.39

Tenure Number: 524952

Tenure Type: M
Tenure Subtype: C
Claim Name: ELK06H
Old Good To Date: 2007/jan/09
New Good To Date: 2011/jan/12
Tenure Required Work Amount: 10440.73
Tenure Submission Fee: 834.80

Tenure Number: 524954
Tenure Type: M
Tenure Subtype: C
Claim Name: ELK06I
Old Good To Date: 2007/jan/09
New Good To Date: 2011/jan/12
Tenure Required Work Amount: 10021.42
Tenure Submission Fee: 801.28

Tenure Number: 517045
Tenure Type: M
Tenure Subtype: C
Claim Name:
Old Good To Date: 2015/jan/12
New Good To Date: 2016/jan/12
Tenure Required Work Amount: 166.63
Tenure Submission Fee: 8.34

Tenure Number: 516717
Tenure Type: M
Tenure Subtype: C
Claim Name:
Old Good To Date: 2015/jan/12
New Good To Date: 2016/jan/12
Tenure Required Work Amount: 4158.78
Tenure Submission Fee: 208.23

Tenure Number: 516725
Tenure Type: M
Tenure Subtype: C
Claim Name:
Old Good To Date: 2015/jan/12
New Good To Date: 2016/jan/12
Tenure Required Work Amount: 4992.88
Tenure Submission Fee: 249.99

Tenure Number: 516727
Tenure Type: M
Tenure Subtype: C
Claim Name:
Old Good To Date: 2015/jan/12
New Good To Date: 2016/jan/12
Tenure Required Work Amount: 4162.60

Tenure Submission Fee: 208.42

Tenure Number: 516731

Tenure Type: M

Tenure Subtype: C

Claim Name:

Old Good To Date: 2015/jan/12

New Good To Date: 2016/jan/12

Tenure Required Work Amount: 4164.31

Tenure Submission Fee: 208.50

Tenure Number: 516732

Tenure Type: M

Tenure Subtype: C

Claim Name:

Old Good To Date: 2015/jan/12

New Good To Date: 2016/jan/12

Tenure Required Work Amount: 11832.13

Tenure Submission Fee: 592.43

Tenure Number: 516733

Tenure Type: M

Tenure Subtype: C

Claim Name:

Old Good To Date: 2015/jan/12

New Good To Date: 2016/jan/12

Tenure Required Work Amount: 7493.88

Tenure Submission Fee: 375.21

Tenure Number: 516739

Tenure Type: M

Tenure Subtype: C

Claim Name:

Old Good To Date: 2015/jan/12

New Good To Date: 2016/jan/12

Tenure Required Work Amount: 4990.59

Tenure Submission Fee: 249.88

Tenure Number: 516740

Tenure Type: M

Tenure Subtype: C

Claim Name:

Old Good To Date: 2015/jan/12

New Good To Date: 2016/jan/12

Tenure Required Work Amount: 11650.07

Tenure Submission Fee: 583.31

Tenure Number: 516743

Tenure Type: M

Tenure Subtype: C

Claim Name:

Old Good To Date: 2015/jan/12
New Good To Date: 2016/jan/12
Tenure Required Work Amount: 1331.01
Tenure Submission Fee: 66.64

Tenure Number: 516750
Tenure Type: M
Tenure Subtype: C
Claim Name:
Old Good To Date: 2015/jan/12
New Good To Date: 2016/jan/12
Tenure Required Work Amount: 10157.86
Tenure Submission Fee: 508.60

Tenure Number: 516755
Tenure Type: M
Tenure Subtype: C
Claim Name:
Old Good To Date: 2015/jan/12
New Good To Date: 2016/jan/12
Tenure Required Work Amount: 9497.57
Tenure Submission Fee: 475.54

Tenure Number: 516757
Tenure Type: M
Tenure Subtype: C
Claim Name:
Old Good To Date: 2015/jan/12
New Good To Date: 2016/jan/12
Tenure Required Work Amount: 8163.41
Tenure Submission Fee: 408.74

Tenure Number: 516759
Tenure Type: M
Tenure Subtype: C
Claim Name:
Old Good To Date: 2015/jan/12
New Good To Date: 2016/jan/12
Tenure Required Work Amount: 8992.23
Tenure Submission Fee: 450.24

Tenure Number: 516761
Tenure Type: M
Tenure Subtype: C
Claim Name:
Old Good To Date: 2015/jan/12
New Good To Date: 2016/jan/12
Tenure Required Work Amount: 4993.35
Tenure Submission Fee: 250.01

Tenure Number: 519105

Tenure Type: M
Tenure Subtype: C
Claim Name:
Old Good To Date: 2015/jan/12
New Good To Date: 2016/jan/12
Tenure Required Work Amount: 833.48
Tenure Submission Fee: 41.72

Your technical work report is due in 90 days as per Section 33 of the Mineral Tenure Act and Section 16 and Schedule A of the Mineral Tenure Act Regulation. Please attach a copy of your confirmation page to the front of your report.

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2006 DIAMOND DRILLING
SIWASH GOLD MINE AREA
ELK PROPERTY

Similkameen Mining Division
Siwash Lake Area, British Columbia
NTS: 92H/16W; Lat. 49°50'N, Long. 120°19'W

VOLUME I : TEXT, TABLES, FIGURES & APPENDICES

This report consists of three volumes:
Volume I: Text, Tables, Figures & Appendices
Volume II: Diamond Drill Logs
Volume III: Plates 1 to 30

March, 2007

By
W.J. Jakubowski, P. Geo.
Almaden Minerals Ltd.
1103 - 750 West Pender St.
Vancouver, B.C. V6C 2T8

GEOLOGICAL SURVEY BRANCH
GEOLOGICAL SURVEY OF CANADA
REPORT

2007

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Appendix "C": Diamond Drill Hole Logs

VOLUME III

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(in pockets)

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The Elk property consists of 18 contiguous mineral claims and one mining lease covering 12,277 hectares located 40 kilometres west of Peachland, B.C., in the Similkameen Mining Division (NTS: 92H-16W). Initial staking was undertaken in November 1986 (160 units) with additions in 1987 (60 units), 1988 (32 units) and 1989 (199 units). A block comprising 72 units was optioned from Mr. Donald Agur of Summerland, B.C. in October, 1988. Claim acquisition and subsequent work were conducted by Cordilleran Engineering Ltd. for Fairfield Minerals Ltd. until April 1995 when Fairfield assumed operations. Placer Dome Inc. entered into an option agreement on the property in March 1988 and withdrew in March 1991. Fairfield Minerals merged with Almaden Resources Corporation in February 2002 and the claims were transferred to the amalgamated company Almaden Minerals Ltd. Almaden retains 100% interest. The claims were converted to the computer based MTO claim cells in 2005.

The Elk claims cover forested, gently rolling hills with fair to poor bedrock exposure. The property is accessible by paved highway, 50 km from Westbank, B.C., or 50 km. from Merritt, B.C.

The property is underlain by the Triassic Nicola Group volcano-sedimentary assemblage on the west and by granitic rocks of the Jurassic Osprey Lake Batholith on the east. Feldspar porphyry stocks of the Late Cretaceous Otter Intrusions cut both of these groups. Andesite dykes intrude all of the above units and are interpreted to be of Tertiary Age.

Gold-silver mineralization on the Elk property is hosted by pyritiferous quartz veins and pyritiferous altered granite. The mineralized features generally trend northeasterly and are thought to be Late Cretaceous or Tertiary in age. To date, mineralization has been located in ten areas of the Elk property: Siwash North, Siwash East, Bullion Creek, Gold Creek West, South Showing, Discovery Showing, Lake Zone, End Zone, Great Wall Zone and Elusive Creek.

Work conducted on the property from 1986 to 1991 consisted of geological mapping, prospecting, linecutting, soil sampling, geophysics, excavator trenching, diamond drilling and road construction. During the 1992 to 1994 field seasons open pit and underground mining extracted 1,600,406 grams (51,460 ounces) of gold from the Siwash North vein system. Reverse circulation drilling, underground diamond drilling, reclamation, road construction, water sampling and aerial photography were also undertaken during this period. Surface and underground diamond drilling programs were carried out in the Siwash Mine area from 1994 to 1996 to define the resource. Exploration surface drilling was also carried out during the 1995 and 1996 field seasons to test vein targets between the Siwash mine site and the South Showing area 2.5 kilometres to the south. Limited prospecting and environmental monitoring were undertaken from 1997 to 1999. Surface diamond drilling totaling 1413.96m in 12 holes was completed on the Siwash Mining lease during 2000 testing the B, WD and Gold Creek West (GCW) zones. A trenching program was carried out in 2001 in the Siwash East Area consisting of six trenches totaling 202 meters. A 26 hole surface diamond drill program was undertaken in 2002 for a total of 4995.67m testing the B, WD, GCW and Bullion Creek zones. During the 2003 field season a 6570 meter, 30 hole, diamond drill program was carried out in the Siwash North area testing the WD zone. A total of 10,265 meters of NQ diamond drilling in 44 holes was carried out in the Siwash North area testing the WD, B and BC zones in 2004. The 2005 exploration program consisted of 8395m of NQ diamond drilling in 36 holes testing the WD, B and Siwash Lake zones.

The 2006 exploration program consisted of 8873m of NQ diamond drilling in 58 holes testing the WD, B and Siwash East zones. The B vein was found to flatten at depth while maintaining good grades. The drill pattern on the WD vein was filled in to approximately 25 by 25m near surface area to provide more data for pit planning. In the Siwash East area, weakly mineralized veins were intersected close to a steeply south dipping andesite dyke

The results of exploration on the Elk Property are extremely encouraging. Potential for the definition of additional gold reserves in the immediate mine area remains strong in the B, WD vein, Bullion Creek and Gold Creek structures. Promising vein structures are present in the Siwash East, Siwash Lake and Elusive Creek areas, and geophysical and geochemical anomalies in the Elk South area with similar signatures have yet to be tested. Excellent access to services is provided by the Okanagan Connector highway which passes

two km north of the Siwash mine site. A scoping study of the deposit economics is recommended including a review of options for dewatering the mine workings and condemnation drilling of proposed mill and tailings sites. Continued aggressive exploration is warranted to fully define the extent of this gold resource.

2.0

RECOMMENDATIONS

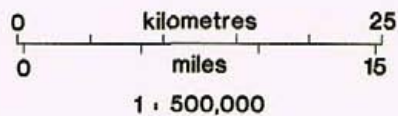
The following exploration program is recommended:

- Carry out a scoping study of the deposit economics considering the various open pit and underground options. Determine dewatering rates and options in preparation for the rehabilitation of the existing workings.
- Drill five holes under the proposed tailings site and two holes under the proposed mill site to eliminate the possibility of mineralized zones in these areas.
- Carry out an IP survey over the Elusive creek area to the south and west of the existing trenches to define diamond drill targets.
- Drill four holes in the Gold Creek West East area to test the continuity of mineralized quartz veins defined by previous drilling.
- Carry out an IP survey to target further drilling in the Bullion Creek area.
- Drill four holes in the Siwash Lake zone to test for continuity of structure and grade to the west of the present drilling.

Respectfully submitted

ALMADEN MINERALS LTD.


Wojtek Jakubowski, B.Sc., P. Geo.
Geologist



TO VANCOUVER 270km

Aspen Grove

SIWASH GOLD DEPOSIT

ELK CLAIMS

Brenda Cu-Mo

KELOWNA

OKANAGAN CONNECTOR HIGHWAY 6

Peachland

Okanagan Lake

Summerland

PENTICTON

Skaha Lake

Nickel Plate Au

Hedley

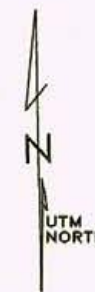
Similco Cu-Au

Legend

6	Eocene	Princeton Group intermediate volcanics and sediments
5	Early Tertiary	Otter intrusions granite, often porphyritic
4	Late Cretaceous	Summers Creek Pluton granite
3	Late Jurassic	Osprey Lake Batholith granite, granodiorite, often coarse grained
2	Triassic/Jurassic	Pennask Batholith granodiorite, diorite stocks in Nicola Group
1	Triassic	Nicola Group andesitic volcanics, sedimentary facies to east

Compiled from G.S.C. maps 41-1988, 1736A

**ALMADEN MINERALS LTD.
PROPERTY LOCATION and
REGIONAL GEOLOGY MAP
SOUTHERN BRITISH COLUMBIA
(OKANAGAN AREA)
N.T.S. 82E, 92H**



-  Roads
-  Creeks, Lakes
-  Claim Outline, Record No.



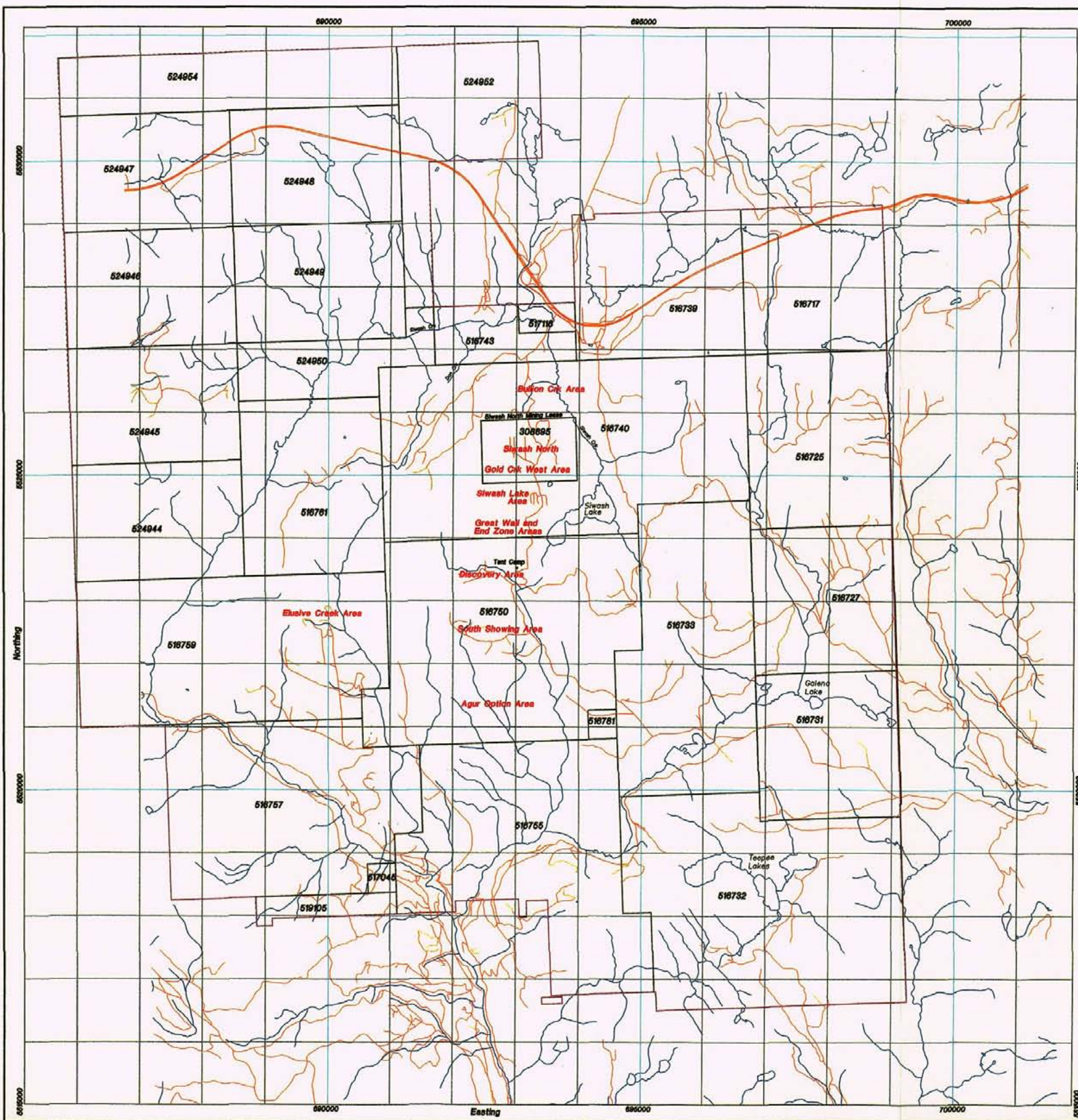
UTM ZONE 10 NAD83

ALMADEN MINERALS LTD.
 825 - 750 West Pender Street, Vancouver, British Columbia V6C 1T5
ELK PROPERTY
 Simikameen Mining Division
 NTB 624/101W, B.C.

CLAIM AND AREA LOCATION MAP

Drawn by WJ
 March 2007

Figure 2



This report describes the results of a diamond drill program conducted on the Elk property during the period June 5 to October 28, 2006. The work was managed by personnel of Almaden Minerals Ltd. with the intent to test the continuity and gold grade in the WD, B and Siwash East vein systems.

3.1 LOCATION AND ACCESS (Figure 1)

The Elk property is located 40 kilometres west of Okanagan Lake in southern British Columbia approximately midway between Merritt and Summerland, at latitude 49°50'N and longitude 120°19'W (Figure 1). The claims cover heavily forested rolling terrain of the Trepanege Plateau highlands. Elevations range from 1300 to 1750 metres above sea level. Access to the property is excellent, with the Okanagan Connector highway passing through the northern claims. Merritt and Kelowna are within one hour driving time from the mine location. Field operations in 2006 were based out of a field camp located on the property.

3.2 CLAIM DATA (Figure 2)

The Elk property consists of 27 contiguous mineral claims and one mining lease covering 16,566 hectares. (Table 1). Expiry dates listed are subject to acceptance of costs and the program summarized in this report. Initial staking was undertaken in November 1986 (160 units) with additions in 1987 (60 units), 1988 (32 units) and 1989 (199 units). A block comprising 72 units was optioned from Mr. Donald Agur of Summerland, B.C. in October, 1988. Claim acquisition and subsequent work were conducted by Cordilleran Engineering Ltd. for Fairfield Minerals Ltd. until April 1995 when Fairfield assumed operations. Placer Dome Inc. entered into an option agreement on the property in March 1988 and withdrew in March 1991. Fairfield Minerals merged with Almaden Resources Corporation in February 2002 and the claims were transferred to the amalgamated company Almaden Minerals Ltd. The claims are 100% owned by Almaden Minerals Ltd. with the exception of the Agur Option block (72 units) on the south side of the property, which is subject to 1% NSR from production. The Elk41 and Elk42 claims were allowed to lapse in 2000.

In preparation for the transition to a grid – cell computer staking system implemented in January 2005 in British Columbia, a program of relocating and re-establishing claim posts was initiated in 2003 and completed in 2004. The differential GPS survey of selected claim posts is described in the "2004 Claim Post Differential GPS Report" submitted in December 2004. The legacy claims were converted to the computer based MTO cell claim system in July and August of 2005.

Nine claims (ELK06A to I) were staked in January of 2006 to cover an area of 4289 hectares to the northwest of the pre-existing claim block.

ELK PROPERTY MINERAL CLAIMS AS AT DEC. 1, 2006

TABLE 1

CLAIM	TYPE	NO UNITS	RECORD NO	EXPIRY DATE	NTS	MINING DIV	HECTARES
ELK06A	Cell	24	524944	1/12/2011	092H089	Similkameen	500.07
ELK06B	Cell	24	524945	1/12/2011	092H089	Similkameen	499.90
ELK06C	Cell	24	524946	1/12/2011	092H089	Similkameen	499.73
ELK06D	Cell	24	524947	1/12/2011	092H089	Similkameen	499.55
ELK06E	Cell	24	524948	1/12/2011	092H089	Similkameen	499.55
ELK06F	Cell	24	524949	1/12/2011	092H089	Similkameen	499.73
ELK06G	Cell	13	524950	1/12/2011	092H089	Similkameen	270.75
ELK06H	Cell	13	524952	1/12/2011	092H089	Similkameen	520.33
ELK06I	Cell	24	524944	1/12/2011	092H099	Similkameen	499.42
ELK05A	Cell	1	516781	1/12/2016	M092H089	Similkameen	20.85
ELK05B	Cell	2	517116	1/12/2016	M092H089	Similkameen	41.65
No Name	Cell	1	517045	1/12/2016	M092H079	Similkameen	20.86
NoNameConv	Cell	25	516717	1/12/2016	M092H089	Similkameen	520.57
NoNameConv	Cell	30	516725	1/12/2016	M092H089	Similkameen	624.98
NoNameConv	Cell	25	516727	1/12/2016	M092H089	Similkameen	521.05
NoNameConv	Cell	25	516731	1/12/2016	M092H089/79	Similkameen	521.26
NoNameConv	Cell	71	516732	1/12/2016	M092H079	Similkameen	1481.07
NoNameConv	Cell	45	516733	1/12/2016	M092H089	Similkameen	938.03
NoNameConv	Cell	30	516739	1/12/2016	M092H089	Similkameen	624.69
NoNameConv	Cell	70	516740	1/12/2016	M092H089	Similkameen	1458.28
NoNameConv	Cell	8	516743	1/12/2016	M092H089	Similkameen	166.61
NoNameConv	Cell	61	516750	1/12/2016	M092H089	Similkameen	1271.49
NoNameConv	Cell	57	516755	1/12/2016	M092H089/79	Similkameen	1188.84
NoNameConv	Cell	49	516757	1/12/2016	M092H089/79	Similkameen	1021.84
NoNameConv	Cell	54	516759	1/12/2016	M092H089	Similkameen	1125.59
NoNameConv	Cell	30	516761	1/12/2016	M092H089	Similkameen	625.03
NoNameConv	Cell	5	519105	1/12/2016	M092H079	Similkameen	104.31
SIWASH NORTH	lease	1	308695	9/14/2007	092H089	Similkameen	
						TOTAL Ha:	16566.03

3.3 HISTORY

During the first half of the 20th century the El Paso adit was driven into volcanic rocks in the area currently covered by the claim with tenure number 516759. Quartz vein-hosted lead-zinc-silver-gold mineralization was encountered. No production of ore was achieved.

Between 1955 and 1995 Don Agur of Summerland, B.C. prospected and trenched the north and west parts of the present Elk property area, as well as to the south along Siwash Creek.

Phelps Dodge Corporation of Canada Ltd. carried out copper exploration during 1972 which included mapping and soil geochemistry in the area of the present claims with tenure #'s 516759 and 516757.

Utah Mines Ltd. conducted mapping, geochemistry, IP geophysics and trenching to evaluate copper mineralization on their Siwash claim group which, in part, covered the present tenure # 516759.

Brenda Mines Ltd. worked on the Siwash claim group, which included the area now comprising the southern part of the Elk property. A rigorous copper exploration program including mapping, soil geochemistry, geophysics, trenching and diamond drilling was undertaken between 1979 and 1981. Work was done on the area currently covered by the claims with tenure #'s 516755, 516757 and 516759.

Exploration for molybdenum was undertaken by Cominco Ltd. during 1980 on the claims with tenure #'s 516727, 516731, 516733 and 516740. Work included geological mapping and soil geochemistry.

No significant discoveries resulted from any of the above programs.

The Elk 1 to 27 claims (present claim tenure #'s 516733, 516740, 516743, 516759) were staked in November 1986 by Cordilleran Engineering Ltd. for Fairfield Minerals Ltd. to cover new showings of gold-silver mineralization hosted in pyritic quartz veins cutting a granite batholith and andesite dykes. Preliminary hand trenching and soil sampling were conducted.

During 1987, widespread and detailed grid soil sampling programs were undertaken to define areas anomalous in gold. Nine trenches, totaling 1528m, were excavated in two areas (Discovery and South Showings) to test soil geochemical targets, and exposed quartz veins and altered breccias hosted in granite. IP, magnetometer and VLF-EM geophysical surveys were carried out over the trenched areas. The Elk 28 to 30 claims (present claim tenure #'s 516740, 516759, 516761) were staked in September 1987 to acquire ground along projections of favourable geochemical trends.

The 1988 program included collection of 2246 soil samples on the claims acquired in 1987 and trenching in Siwash North and Elusive Creek areas. Four kilometres of road was constructed for access and eleven trenches totaling 2884 metres which exposed quartz vein-hosted gold mineralization were mapped and sampled. The Elk 31 to 37 claims (present claim tenure #'s 516732, 516757, 516759, 516755) were staked to cover adjacent favourable areas.

During the 1989 field season, the Elk 38 to 73 claims (present claim tenure #'s 516727, 516731, 516732, 516755, 516781) were staked to cover projections of anomalous soil geochemical trends. Fifty line-km of VLF-EM and magnetometer surveys were carried out in the Siwash Lake and Siwash North areas and 4865 soil samples were collected on the new claims. A total of 56.25 km of baseline was cut to provide control for soil sampling and geophysical surveys. In the South Showing, Siwash North and Siwash Lake areas 2223 linear metres of bedrock were exposed in 25 trenches. The high grade gold bearing quartz vein system in the Siwash North area was further delineated over a strike length of 750m. Twelve diamond drill holes (752m) tested the down dip continuity of this system. The drill core was logged, split sampled and photographed. Samples were shipped to Acme Analytical Labs for assay and analysis. All core has been stored on site.

During 1990 5168.34m of HQ diamond drilling in 58 holes was carried out in the Siwash North area on a 50m *grid spacing. Quartz vein hosted gold mineralization in the Siwash North area was further exposed by seven

trenches and three stripped areas totaling 544 linear metres. Diamond drilling in the Siwash Lake area consisted of 259.08m of HQ core in four drill holes (SLD90-56 to 59). Six trenches and one stripped area totaling 607 linear metres of bedrock exposure were excavated in the Siwash Lake area. Soil sampling on the northern Elk claims was concentrated in the Siwash Lake area where 250 fill-in samples were collected around anomalous coarse grid stations. One thousand two hundred and fifty-four grid soil samples were collected on southern Elk claims. Magnetometer and VLF-EM surveys (50 line km) were carried out on the Agur Option area on flagged lines 100m apart.

Exploration on the Elk claims during the 1991 field season consisted of diamond drilling, trenching and aerial photography. Thirty seven new holes were drilled and two were deepened for a total of 6608.38m in the Siwash North area to test down dip and on-strike continuity of quartz vein-hosted gold mineralization discovered by previous work. The drill core was logged at 1:50 and 1:100 scales, photographed and sampled. Five hundred and ninety eight samples were taken and sent to Acme Analytical Labs for gold assay and analysis.

One trench was dug in the End Zone, 200m southwest of Siwash Lake, to further expose a quartz vein discovered by trenching in 1990. The vein is continuous across the entire length of the 45m trench. Thirty two rock chip samples were collected and sent to Acme for gold assay and analysis.

An area four by eight kilometres centered over the Siwash North area was aerially photographed in colour and black and white, at 1:8,000 and 1:15,000 scales.

During 1992, a bulk sample was extracted from an open pit on the Siwash vein in the Siwash North area. It totalled 2,040 tonnes (2240 tons) and averaged 137.7 g/t (4.016 oz/t) gold. A small crushing/sampling plant was installed for grade control.

The bulk sample was shipped to Noranda's Horne smelter in Rouyn-Noranda, PQ for metallurgical testing and smelting.

A total of 79 reverse-circulation holes were drilled in September and October to test for further open pitable reserves. A total of 223 reverse circulation chip samples were shipped to Acme Analytical Labs for assay and analysis.

In 1993 open pit mining continued with the extraction of 3,387 tonnes (3733 tons) of bulk sample material grading 105.6 g/t (3.080 oz/t) Au. Eleven reverse-circulation drill holes totaling 942 metres tested the vein to the south and east of the open pit. The material was crushed on site to minus 6 inches and then shipped to ASARCO's smelter in Helena, Montana.

A portal was collared on June 28 and 480 metres of decline was driven at -15 percent to access high-grade shoots. Two vein drifts were developed for test mining, the 1570 level on the steeply dipping limb of the vein, and the 1611 level immediately downdip from the central core of the open pit on the flat dipping limb. Drifting on the 1570 level produced about 140 tonnes (154 tons) of ore grading 38 g/t (1.108oz/t), whereupon the drift was abandoned and refilled due to poor ground conditions. Three raises at 5 metre centres, totaling 36 metres in length, were driven up dip from the 1611 level drift. Following development of the raises, the quartz vein was stoped from the pillars producing about 315 tonnes (347 tons) of ore grading approximately 70 g/t (2.042 oz/t) Au.

In 1994 the Company received a small mine permit, the open pit was expanded and 9,180 tonnes (10,119 tons) of ore grading 91.5 g/t (2.669 oz/t) were extracted. Underground, the 1611 level drift was extended to the west. Five raises were added and the existing ones lengthened to the 1620m elevation. Approximately 1,200 tonnes (1323 tons) of quartz vein material grading about 78 g/ton (2.275 oz/t) Au was extracted.

An underground diamond drilling program was carried out between April 7 and May 31, with 5,011m of core drilled in 84 holes from the existing decline to define ore reserves. A total of 448 core samples were collected.

Further underground development was undertaken on completion of the open pit, with the main decline being extended 330 metres. A second decline branched east from the main ramp, for a length of 185 metres. Test mining was carried out on two levels. A longhole stoping test on the 1584 level produced 95 tonnes (105 tons) at 16.5 g/t (0.481oz/t) from drifting on the ore. Longhole blasting produced excessive dilution and most of the material remains in the stope. On the 1589 level, a shrinkage stope test was undertaken. Stopping proceeded about 6 metres up dip along the 30 metre length of the drift. About 105 tonnes (116 tons) at 15 g/t (0.438 oz/t) Au were hauled to surface. However, much of the material remains in the stope.

Exploration on the Elk claims in 1995 consisted almost entirely of diamond drilling. Two hundred and seventeen underground diamond drill holes (7,612 m) were drilled from the decline ramp in the vein footwall, between April 13 and August 12, to test grade and continuity of the mineralized zone. A total of 918 core samples were collected from underground holes and sent to Acme Analytical Laboratories for gold assay and analysis.

Surface diamond drilling was undertaken between June 21 and September 22. In the Siwash North area, 70 holes were drilled (4,645 metres). In the Lake Zone area, 7 holes (477m) were completed. Two holes (102m) were drilled on the Great Wall Zone, and four holes on the End Zone (187m). Six holes were drilled on Discovery Showing and nine holes on the South Showing areas (397m and 481m respectively). In all, 6289 metres were drilled in 98 surface holes. A total of 581 core samples were collected and sent to Acme Analytical Labs for assay and analysis.

A small trench measuring about 10m along strike and 4m wide was dug at the Great Wall Zone to test the grade of a quartz vein encountered during road construction. A ten centimetre vein trending 55 degrees and dipping 60 degrees to the south was exposed. Two 0.5m square panel samples were taken across the vein and returned grades of 0.51g/t (0.015 oz/t) and 0.99 g/t (0.029 oz/t) Au.

A total of 38 soil geochemical samples were taken to the east of the clear-cut in the Siwash North area. Prospecting in areas of anomalous samples uncovered quartz vein float which assayed 47.35 g/t (1.381 oz/t) Au.

Two test pits were dug in the southern South Showing area.

The 1996 program consisted of 6,946.34m of NQ diamond drilling in 88 holes. Five holes were drilled in the Siwash North Deep B area (1120.14m). The mineralized structure was intersected in all holes. The proposed Phase 5.5 open pit, east of the existing pit, was detail drilled with 1997.02m of NQ core in 38 holes. This allowed the definition of an indicated resource of 503,000gm Au (16,200 oz) for the area of the proposed pit. The WD zone, located 200m north of the Siwash B zone structure, was tested with 25 holes in 2308.84m resulting in an inferred resource block of 569,000 gm Au (18,290 oz). The source of the anomalous soil geochemistry in the East Slope area was evaluated with 9 holes (564.39m) with poor results. Four holes (399.08m) were drilled to test the source of the anomalous soil geochemistry and VLF conductor in the Gold Creek East area. Numerous small veins with poor to moderate values were intersected. The source of the anomalous soil geochemistry in the Gold Creek West area was evaluated with 7 NQ holes (556.87m). A mineralized quartz vein was intersected with 11.8 g/t (0.381 oz) over a true width of 0.5m. A total of 1161 core samples were sent to Acme Analytical Laboratories for gold analysis.

The area immediately to the south and east of the Siwash North drill grid was detail soil sampled at 25 X 50m spacing for a total of 367 samples.

Reclamation and site cleanup was undertaken during 1997. The overburden cover was completed on the East waste dump and much of the mine equipment was transported to Savona, B.C. for storage or sale. Limited prospecting, sampling and environmental monitoring were carried out between 1997 and 1999 on the Elk property.

During 2000 twelve NQ diamond drill holes (1414m) tested the WD, B Zone and Gold Creek vein systems. Four holes were drilled into the WD zone to expand the then current 18,000 oz inferred resource block. The WD veins were intersected in all holes close to the projected depths with grades up to 41.03 g/t Au over a true width of 0.50m. The area of the proposed Phase 5.5 open pit located about 200m to the east of the existing pit had been drilled extensively to establish a resource estimate for pit planning purposes. Three holes were drilled on the east side of the proposed pit to increase the sample density. The Gold Creek West vein, located approximately 450m southwest of the existing open pit, was first drilled in 1996. Five holes were drilled to test the vein continuity at 50m intervals between sections 1700E and 1890E. The vein was intersected at the projected location with grades up to 16.55g/t Au over a true width of 0.50m. The vein steepens from about -30° on sections 1750E and 1700E to -60° on section 1840E and east.

The exploration field camp located on Camp Creek that was used from 1987 to 1996 was completely disassembled.

A trenching program was carried out in the Siwash East area during October of 2001. A total of six trenches with a cumulative length of 202 meters located the source of mineralized quartz float discovered by

prospecting. The trenches exposed narrow quartz veins adjacent to an east-west trending andesite dyke with grades of up to 21.7 g/t Au from a 0.5 by 0.5 meter panel sample.

During the 2002 field season twenty six NQ diamond drill holes (4496m) tested the WD, B Zone, Gold Creek West and Bullion Creek vein systems. Seven holes were drilled into the WD zone to determine the extent of the known shoot. The WD veins were intersected in all holes close to the projected depths with grades up to 91.22 g/t Au over a true width of 0.50m. Eleven holes were drilled into the DeepB shoot located immediately below the existing underground development to fill-in the drill spacing to less than 25 meters and to define the perimeter of the known mineralization. Two holes were drilled on the west side of the existing open pit to help determine the feasibility of a pit expansion to the west. The Gold Creek West vein located approximately 450m southwest of the existing open pit was tested with four holes in two 50 meter step-outs to the west of the existing grid. Two holes were drilled into the Bullion Creek structure located 700 meters to the north of the open pit to test a geochemical anomaly.

In 2003, a total of 6570 meters of NQ diamond drilling in 30 holes was carried out in the Siwash North area to further test the WD zone. A subparallel vein, the WD2 vein, was intersected about 30m below the WD vein on the west side of the grid and found to contain significant gold grades.

In preparation for the transition to a computer based staking system (MTO), claim posts for the southern claims were located with a GPS and replaced where they had been destroyed by logging operations.

The 2004 program included a total of 10265 meters of NQ diamond drilling in 44 holes in the Siwash North area to further test the WD, B and Bullion Creek zones. In preparation for the transition to a computer based staking system (MTO), selected claim posts were located with a differential GPS. A road cut to a proposed drill site in the Siwash East area was mapped and sampled over a length of approximately 40 metres. A ground magnetometer survey was carried out over the Siwash East area for a total of 15.8 line kilometers

The 2005 exploration program on the Elk claims consisted of diamond drilling, core logging and sampling. A total of 8395 meters of NQ diamond drilling in 36 holes was carried out in the Siwash Lake area (5 holes 509m) and the Siwash North area to further test the WD, B vein systems.

3.4 2006 EXPLORATION PROGRAM

The 2006 exploration program on the Elk claims consisted of diamond drilling, excavator trenching and soil sampling. A total of 8873 meters of NQ diamond drilling in 58 holes was carried out in the Siwash North area to further test the WD zone (37 holes), B zone (17 holes) and in the Siwash East area (4 holes). The WD vein system was tested near surface to determine structural and grade continuity in preparation for an open pit scoping study. The B vein system was tested at depth and to the southeast of the open pit to determine the continuity of known ore shoots. The Siwash East holes were drilled to test the below surface continuity of mineralized quartz veins exposed by trenching. Excavator trenching was undertaken in the Elusive Creek area and a soil sample survey was carried out on the new claims on the northwest side of the property. The trenching and soil sampling programs are not described in this report.

4.0 GEOLOGY

4.1 REGIONAL GEOLOGY (Figure 1)

The Elk property is located in the Intermontane tectonic belt of south central B.C. Hope Geological Map 41-1989 by J.W.H.Monger (1989) shows the area to be underlain by Upper Triassic volcanics and sediments of the Nicola Group and by Jurassic granites and granodiorites of the Osprey Lake Batholith. The contact between these units trends northeasterly across the property. Early Tertiary feldspar porphyry stocks and dykes of the Otter Intrusions occur throughout the claims and a large body to the south is spatially associated with many known showings of copper, lead, zinc and silver.

4.2 PROPERTY GEOLOGY

The western claims area is underlain by steeply west-dipping andesitic to basaltic flows, agglomerates, tuffs and minor siltstone and limestone units of the Upper Triassic Nicola Group. The eastern half of the property is underlain by Late Jurassic granitic rocks of the Osprey Lake Batholith. The contact between these two assemblages trends approximately north-northeast. Early Tertiary feldspar porphyry and quartz-feldspar porphyry stocks and dykes of the Otter Intrusions cut both of the above. Breccias containing rounded volcanic, dioritic and granitic fragments in a granitic matrix crosscut Nicola Group rocks, Osprey Lake and Otter Intrusions. Andesite dykes are the youngest units mapped, post dating all of the above. Mineralization appears to be spatially associated with these (Tertiary?) andesite dykes which are locally cut by quartz veins.

Overall, Nicola Group rocks found on the Elk property are massive, dark grayish-green basaltic andesites. In some exposures the andesite contains pyroxene and/or amphibole phenocrysts, or laminae of sand sized black grains. Interbedded, pale green siliceous laminated tuffs and brownish green to pale green agglomerates with clasts from five to 50 cm in size have been noted. Nicola Group rocks are occasionally silicified, carbonatized or epidotized. Iron oxide staining and finely disseminated pyrite are common.

The Osprey Lake granitic rocks on the Elk property are pinkish grey, medium- to coarse-grained, equigranular, and contain quartz, orthoclase, plagioclase and biotite. Petrographic analyses indicate the composition varies from quartz monzonite to granodiorite. Pink, sugary textured aplite and pegmatite dykes cut the quartz monzonite and were probably a late phase of the intrusive event. Quartz diorite related to the batholith is far less common and occurs as stocks. It is pale grey, generally medium to fine grained and contains visible quartz, plagioclase, biotite and amphiboles. Dykes of quartz monzonite and hornblende-biotite quartz monzonite have also been mapped. They are medium greenish-grey, medium grained and contain feldspar and occasionally hornblende phenocrysts. A fine grained granodiorite has been noted in the Siwash North area at the contact with the Nicola volcanics. It is most likely an early or late chilled intrusive event of the Osprey Lake intrusion. Alteration assemblages include weak to strong propylitic, argillic, potassic, sericitic, phyllic and silicic, noted predominantly with vein structures in the trenched and drilled areas where these recessively weathering features have been exposed.

The Otter Intrusions comprise quartz-feldspar porphyry, feldspar porphyry and quartz-biotite-feldspar porphyry dykes and stocks. The quartz-feldspar porphyry mapped in the Discovery area is extensively clay altered and contains feldspar phenocrysts up to five cm, averaging about five mm. The altered groundmass is beige in colour and extremely friable. Feldspar porphyry rocks range from medium grey to red and contain feldspar phenocrysts 2 to 5 mm in size that vary in quantity from 3 to 40 percent. Petrographic examination of the red, medium packed feldspar porphyry indicated that it is syenitic in composition. Quartz-biotite-feldspar porphyry is greyish beige and is typified by small biotite grains with equal quantities of fine quartz and feldspar phenocrysts.

The breccias noted cutting the Osprey Lake rocks on the property have altered granitic matrices and contain rounded to sub-rounded granite, diorite and andesite clasts varying in size from 5 to 25 cm. The elongate breccia bodies vary in width from 5 to 30 metres and trend northeasterly. These zones may be portions of major fault structures, but displacement, if any, is not readily apparent. The brecciation events are most likely associated with the Early Tertiary Otter intrusions.

Andesite dykes are dark greyish-green, fine grained and vary in thickness from 30 cm to 8 metres. They are commonly muscovite altered and brown weathering. Strong orange and blue clay alteration has also been noted in these rocks.

4.3 STRUCTURAL GEOLOGY

Nicola Group rocks on the west side of the property dip approximately 60 degrees to the west forming the east limb of a syncline mapped by Rice. The syncline trends roughly north-south and its axis passes about five km west of the claims.

The Elk property topography reflects several linear structures, the most prominent being the north to northeast trending features occupied by Siwash Creek, Elusive Creek and a parallel creek 2.5 kilometres to the east. Subtle east-northeast trends are evident on aerial photographs and are commonly associated with mineralization. Structural deformation in the area appears to be minimal.

4.4 MINERALIZATION

Gold mineralization on the Elk property is hosted primarily by quartz veins and stringers in altered granitic and, less frequently, volcanic rocks. Cross-cutting relationships indicate that the veins are Tertiary in age; they may be related to Early Tertiary Otter intrusive events.

In the Siwash North area, (Fig. 2) gold occurs in veins measuring 5cm to 70cm thick, hosted by a zone of strongly sericitic- to phyllic-altered granitic and, in the west, volcanic rocks. In general, the mineralized zones trend ENE with southerly dips from 20° to 80° (from east to west), and appear to be related to minor shearing. In the eastern parts of the area, up to six sub-parallel zones occur. Six of these zones are consistent enough to be labeled the A to E and X zones. Mineralization on the west side of the Siwash North area has been identified in up to four zones (B, C, PC and DeepC). The B zone is locally divided into several subzones, with each one locally auriferous. Another subparallel vein system, the WD zone, is located 200m north of the B vein system and has the same east west extent. It dips approximately 40° near surface and steepens to 70° at depth. The WD zone splays locally into two veins – the Wda and WDb usually 2 to 15 meters apart. The WD2, WD3 and WD4 veins are found running subparallel to the WD to the west of the RB fault about 10 to 20 meters below. The BC zone, located 500m north of the WD zone, has been traced over a strike length of 100m and trends about 080°.

From surface to a depth of several metres, oxidized groundwater has leached most of the sulfides with some pyrite and chalcopyrite remaining. Mineralization occurs primarily as native gold, occasionally as spectacular aggregates of coarse flakes in frothy quartz (strong pyrite boxwork) or in fractures in the vein. Electrum was noted in one area as very coarse-grained flakes associated with strong manganese staining. Gold was seen rarely in boxworks in phyllic alteration.

In drill core, mineralization has not been affected by supergene processes. Gold is strongly associated with pyrite and with a blue-grey mineral. Photomicrographs show the gold commonly in contact with this mineral, which may be an Au-Bi alloy (maldonite?) or a Cu-Bi-Sb sulfosalt. Au-Cu, Au-Bi, and Cu-Bi relationships have been shown by statistical analyses (Cordilleran Engineering Ltd. 1990). Metallic minerals in the core include pyrite, chalcopyrite, sphalerite, galena, tetrahedrite, maldonite(?), pyrrhotite, and native gold (in order of decreasing abundance).

Gangue mineralogy consists primarily of quartz and altered wall-rock fragments. Ankerite is commonly present, with lesser amounts of calcite. Minor barite is also present. Fluorite was noted in one vein as very small (<1mm) zoned purple cubes scattered in the quartz.

The Gold Creek West area is located 400m southwest of the mine site (Fig. 2) and hosts at least two southeast trending vein systems 80m apart – one exposed by excavator trenching and the other intersected by diamond drilling on testing a soil geochemical anomaly. The mineralization occurs mainly in quartz stringers and veins up to 50cm thick, hosted by strongly argillic- to phyllic-altered granitic rocks.

In the Siwash Lake area (Fig. 2), mineralization occurs mainly in quartz stringers and veins up to 35cm thick, hosted by strongly argillic- to phyllic-altered granitic rocks, closely associated with an andesite dyke. The zone trends easterly and dips about 60° to the south. At surface and in drill core, the gold is associated with pyrite, chalcopyrite, and locally high concentrations of galena and sphalerite. Tetrahedrite and maldonite(?) are also locally present. Silver values are much higher than in Siwash North, probably associated with the greater galena content of the veins. The gangue mineralogy is similar to Siwash North.

In the Siwash East area (Fig. 2), quartz veins and stringers occur adjacent to a steeply south dipping, east trending andesite dyke, hosted by strongly argillic- to phyllic-altered granitic rocks. Silver – gold ratios in sample of higher grade are similar to those in the Siwash North area.

Mineralization in the End Zone area is similar to that in the north, but trends approximately northeast dipping about 70° to the south. The quartz veins are 1 to 20cm in thickness and are hosted in strongly to moderately altered quartz monzonite (as seen in trenches). The dominant sulphide minerals noted in the quartz veins were pyrite, galena, sphalerite, chalcopyrite, tetrahedrite and arsenopyrite. Silver to gold ratios were also elevated, similar to the Lake Zone.

In the Discovery Showing area (previously called the North Showing), pyritic quartz veining occurs within a package of altered quartz monzonite, intruded by numerous feldspar, quartz-feldspar porphyry and andesite dykes, with local diatreme breccia bodies.

In the South Showing area, mineralization occurs mainly in quartz stringers in altered granitic rocks, in association with breccia or with intensely argillized andesite dykes. Gold is rarely visible, and is associated with pyrite and base-metal sulfides. The highest grade sample is from a zone of quartz stringers paralleling the breccia, accompanied by weak sericitic alteration.

4.4.1 Alteration

On the Elk property, higher grade gold mineralization generally accompanies stronger alteration.

Seven main types of alteration were recognized throughout the property: Propylitic, argillic, sericitic, K-spar stable phyllic, phyllic, advanced argillic and silicic. Locally, potassic alteration, skarnification, and silicification were noted, but were relatively minor and did not appear to be related to mineralization. The following descriptions refer to granitic rocks except as noted:

propylitic:

Generally light green, with biotite and hornblende altered to chlorite and saussuritization of plagioclase. In volcanics, colour is generally olive-green, and rock is soft.

argillic:

Rock is bleached, with plagioclase white and clay-altered; K-spar is slightly altered. Volcanics are bleached to light green or grey.

sericitic:

Typically pale green with a micaceous sheen, with plagioclase altered to sericite; trace disseminated pyrite may be present. Often associated with quartz veins, and appears to be the lowest grade alteration associated with gold mineralization. Not recognized in volcanics.

K-spar stable phyllic:

Light pink, green, or yellowish with K-spar fresh, pink and blocky. Plagioclase and mafic minerals are altered to fine-grained quartz-sericite-pyrite. Often occurs with veins and associated with gold mineralization. Not recognized in volcanics.

potassic:

Salmon pink selective replacement of feldspars. Distinguished from primary K feldspar by orange tint. Not related directly to mineralization.

phyllic:

Generally grey, fine-grained quartz-sericite-pyrite alteration. Usually associated with veins often gradational to quartz and often auriferous.

advanced argillic:

Most or all of feldspar is destroyed, quartz is "free-floating"; rock is often sheared and white in colour. Volcanics are white or blue coloured. Often associated with quartz veins.

silicic:

Quartz veining or replacement. Hard with moderate conchoidal fracture. Textures may be blurred.

There is a strong symmetrical zoning of alteration around the quartz veins:

VEIN - ADVANCED - PHYLIC - K-SPAR STABLE - ARGILIC - PROPYLITIC
ARGILIC PHYLLIC

Secondary bands and zones of alteration may be present, and any of the alterations may be missing.

At surface, the alteration may produce a striking "rainbow" effect with the rock colour grading from white (vein) through grey, yellow, orange, rust, brown, and green (propylitic). In drill core, the effect is less striking and extensive, but the general pattern is still present.

4.4.2 Genetic Considerations

Gold mineralization on the Elk property appears to be related to Tertiary tectonic and intrusive events as inferred from crosscutting relationships.

At various locations on the property, quartz veins have been mapped cutting Tertiary(?) andesite dykes which intruded Tertiary Otter intrusions, Jurassic Osprey Lake Batholith and Triassic Nicola volcanics. In the Siwash North area one quartz vein was found crosscut by an andesite dyke. Cataclastic textures in the quartz veins mapped in the Siwash North and Discovery Showing areas suggest reactivation of the structures hosting the veins. Late stage Otter intrusive activity may have acted as the "heat pump" for the mineralizing fluids. Petrographic analyses indicate that the deposition of gold mineralization was a late-stage event in the hydrothermal system, with native gold and associated sulphide minerals filling fractures in pyrite.

During the mineralizing events, hydrothermal fluids permeated fractures in the host rock, depositing quartz and sulphides in the fractures and causing alteration of the wall rocks. A fluid inclusion study of quartz vein samples was carried out in April of 2000 indicating a minimum temperature of 250°C and a pressure 2.5kilobars. The mineralizing fluids were of low salinity and rich in carbon dioxide. (Geiger, 2000).

Briefly, the genetic model for the deposits is thought to be as follows:

- 1) Deposition of the Nicola volcanics.
- 2) Emplacement of the Osprey Lake Batholith.
- 3) Emplacement of the Otter syenitic intrusions.
- 4) Fracturing possibly during the Osprey Lake and/or Otter intrusive events.
- 5) Intrusion of andesite dykes.
- 6) Precipitation of quartz veins with pyrite, base metal sulphides and late stage gold mineralization, with associated hydrothermal alteration.
- 7) Erosion to present level.

5.0 DIAMOND DRILLING

5.1 INTRODUCTION

Surface diamond drilling was carried out on the Siwash North Mining Lease and claim 516740 between July 9 and October 25, 2006. A total of 8,873m of drilling in 58 NQ holes tested the WD Zone between 2135E and 2670E, the B zone between 2040E and 2520E and the Siwash East zone between 4100E and 4150E. All holes were drilled on sections 50 or 25m apart. Drilling was performed by R. J. Beaupre Drilling Ltd. of Princeton and Leclerc Drilling Ltd. of Cranbrook, B.C. using skid-mounted Longyear 38's and a VersaDrill KMB8 drill. Drill hole locations and depths are summarized in Table 2.

5.2 DRILLING OPERATIONS

All holes in the 2006 drill program were drilled to the north or east on sections 50 and 25 meters apart. All holes were drilled to completion and all holes intersected their targets.

Drill sites were leveled and prepared using a Caterpillar 320 excavator contracted from Wiltech Developments of Westbank B.C.. HaulRite Transport was contracted to log the right of way and drill sites in the Gold Creek West area. Sumps were dug to contain cuttings. The drill was moved between sites using a John Deere 700 or Caterpillar D6 tractor. Water was pumped to the drill from the open pit.

Upon receipt, the core was washed, footage blocks converted to metres, and the recovery, RQD (rock quality determination), hardness, and degree of breakage were measured. All the core was photographed at four core boxes to the frame, and selected intervals were photographed at five frames per core box. The geology, geotechnical information, and sample intervals were logged onto hand-held HP200LX palm-top computers, and were later down-loaded onto a desktop computer. All samples were split and every twentieth sample was quartered for duplicate analysis as part of the quality control process. Gold standard pulps provided by CDN Resource Laboratories Ltd. were inserted into the sample stream as a check of lab procedures. Samples were shipped to Acme Analytical Laboratories Ltd. in Vancouver, B.C. and assayed or analyzed for gold. Thirty five element ICP analysis was also performed on samples containing quartz vein material. Specific gravity was measured by taking weights of the core in air and in water or calculated from the Fe, Cu, Pb, Zn, contents.

Drill hole orientations were measured at surface with a Brunton compass, and down-hole with an Icefield MI-3 multishot inclinometer/deviation tool. On completion of the hole, the casing was removed and replaced with a section of 2.5 inch diameter PVC pipe. The hole locations were surveyed relative to pre-established survey control points using a Leica TCR 70 Total Station equipped with an EDM.

TABLE 2

ELK PROPERTY 2006 DRILL SUMMARY

HOLE NO	LOGGED BY	CONTRACTOR	DATE START	DATE FINISH	RECORD NO	SECTION	CORE STORED AT	CORE SIZE	RECOV	RQD	COLLAR NORTH	COLLAR EAST	COLLAR ELEV	DEPTH
SED06-446	JM JR	RBeaupre Drilling Ltd.	12-Jul-06	15-Jul-06	516740	4190E	Elk Rack C Bay 30	NQ	89.54	81.56	4071.40	4147.64	1688.63	103.33
SED06-447	JM JR	RBeaupre Drilling Ltd.	16-Jul-06	20-Jul-06	516740	4150E	Elk Rack C Bay 30	NQ	96.57	81.43	4070.11	4147.53	1689.67	116.67
SED06-448	JM JR	RBeaupre Drilling Ltd.	18-Jul-06	21-Jul-06	516740	4100E	Elk Rack C Bay 30	NQ	97.54	88.15	4041.73	4101.77	1688.83	133.50
SED06-449	JM JR	RBeaupre Drilling Ltd.	21-Jul-06	24-Jul-06	516740	4100E	Elk Rack C Bay 30	NQ	96.02	80.58	4041.23	4101.69	1680.90	146.06
SND06-450	JM JR	RBeaupre Drilling Ltd.	13-Jul-06	16-Jul-06	306695	2430E	Elk Rack C Bay 30	NQ	95.19	86.17	3378.33	2430.10	1630.53	124.67
SND06-451	JM JR	RBeaupre Drilling Ltd.	16-Jul-06	17-Jul-06	306695	2450E	Elk Rack C Bay 30	NQ	97.57	84.70	3370.89	2430.32	1631.62	59.74
SND06-452	JM JR	RBeaupre Drilling Ltd.	17-Jul-06	21-Jul-06	306695	2440E	Elk Rack C Bay 30	NQ	96.18	84.25	3276.66	2441.96	1634.31	128.93
SND06-453	JM JR	RBeaupre Drilling Ltd.	21-Jul-06	27-Jul-06	306695	2390E	Elk Rack C Bay 30	NQ	97.97	78.74	3132.82	2382.76	1636.45	221.89
SND06-454	JM JR	RBeaupre Drilling Ltd.	27-Jul-06	31-Jul-06	306695	2380E	Elk Rack C Bay 30	NQ	100.19	72.59	3132.42	2382.63	1636.47	232.26
SND06-455	JM JR	RBeaupre Drilling Ltd.	31-Jul-06	09-Aug-06	306695	2380E	Elk Rack C Bay 30	NQ	96.59	73.06	3132.04	2382.84	1636.54	239.68
SND06-456	JM JR	RBeaupre Drilling Ltd.	09-Aug-06	11-Aug-06	306695	2390E	Elk Rack C Bay 30	NQ	96.25	77.97	3133.81	2382.87	1636.44	224.03
SND06-457	JM JR	RBeaupre Drilling Ltd.	11-Aug-06	14-Aug-06	306695	2330E	Elk Rack C Bay 31	NQ	96.48	71.20	3144.18	2329.96	1645.90	227.38
SND06-458	JM JR	RBeaupre Drilling Ltd.	14-Aug-06	17-Aug-06	306695	2330E	Elk Rack C Bay 31	NQ	93.70	67.97	3143.57	2329.96	1645.86	314.25
SND06-459	JM FS	RBeaupre Drilling Ltd.	17-Aug-06	18-Aug-06	306695	2300E	Elk Rack C Bay 31	NQ	96.16	76.80	3173.63	2299.93	1651.12	239.68
SND06-460	JM FS	RBeaupre Drilling Ltd.	19-Aug-06	26-Aug-06	306695	2300E	Elk Rack C Bay 31	NQ	94.46	71.52	3173.33	2299.96	1651.22	261.94
SND06-461	JM FS	RBeaupre Drilling Ltd.	26-Aug-06	28-Aug-06	306695	2280E	Elk Rack C Bay 31	NQ	89.11	69.64	3173.75	2256.74	1650.00	296.57
SND06-462	JM FS	RBeaupre Drilling Ltd.	29-Aug-06	30-Aug-06	306695	2040E	Elk Rack C Bay 31	NQ	92.75	66.81	3102.80	2040.11	1642.41	334.37
SND06-463	JM FS	RBeaupre Drilling Ltd.	03-Sep-06	07-Sep-06	306695	2040E	Elk Rack C Bay 31	NQ	94.09	71.21	3102.58	2040.09	1642.54	350.66
SND06-464	FS JM	RBeaupre Drilling Ltd.	12-Sep-06	21-Sep-06	306695	2140E	Elk Rack C Bay 31	NQ	94.97	69.06	3108.86	2136.73	1641.78	425.61
SND06-465	FS JM	RBeaupre Drilling Ltd.	22-Sep-06	23-Sep-06	306695	2285E	Elk Rack C Bay 31	NQ	82.42	43.55	3572.60	2282.19	1628.91	63.25
SND06-466	FS JM	RBeaupre Drilling Ltd.	23-Sep-06	24-Sep-06	306695	2285E	Elk Rack C Bay 31	NQ	90.35	26.39	3546.91	2284.92	1628.28	67.78
SND06-467	FS JM	RBeaupre Drilling Ltd.	24-Sep-06	25-Sep-06	306695	2285E	Elk Rack C Bay 31	NQ	94.85	60.77	3496.72	2284.76	1628.56	151.18
SND06-468	FS JM	RBeaupre Drilling Ltd.	25-Sep-06	27-Sep-06	306695	2285E	Elk Rack C Bay 31	NQ	95.19	58.42	3496.13	2284.62	1628.62	218.24
SND06-469	FS JM	Lederc Drilling	27-Sep-06	28-Sep-06	306695	2235E	Elk Rack C Bay 31	NQ	81.69	53.94	3560.69	2234.41	1628.92	90.22
SND06-470	JM TA	RBeaupre Drilling Ltd.	24-Sep-06	29-Sep-06	306695	2670E	Elk Rack C Bay 31	NQ	93.32	68.15	3636.31	2669.71	1627.14	100.28
SND06-471	FS TA	Lederc Drilling	28-Sep-06	30-Sep-06	306695	2235E	Elk Rack C Bay 31	NQ	92.57	65.60	3509.26	2234.99	1629.63	135.64
SND06-472	JM BS	RBeaupre Drilling Ltd.	29-Sep-06	30-Sep-06	306695	2670E	Elk Rack C Bay 31	NQ	89.48	55.44	3603.46	2669.45	1631.63	129.54
SND06-473	FS TA	Lederc Drilling	30-Sep-06	01-Oct-06	306695	2235E	Elk Rack C Bay 31	NQ	95.21	57.11	3471.53	2235.66	1630.85	178.17
SND06-474	JM BS	RBeaupre Drilling Ltd.	30-Sep-06	01-Oct-06	306695	2615E	Elk Rack C Bay 31	NQ	91.04	43.67	3646.25	2614.41	1627.50	49.68
SND06-475	FS TA	Lederc Drilling	01-Oct-06	03-Oct-06	306695	2235E	Elk Rack C Bay 31	NQ	93.47	62.07	3471.13	2235.66	1630.80	216.41
SND06-476	JM BS	RBeaupre Drilling Ltd.	01-Oct-06	02-Oct-06	306695	2615E	Elk Rack C Bay 31	NQ	94.82	46.62	3597.44	2614.85	1632.24	66.67
SND06-477	FS TA	Lederc Drilling	02-Oct-06	04-Oct-06	306695	2185E	Elk Rack C Bay 31	NQ	96.16	75.24	3552.65	2184.93	1629.20	94.79
SND06-478	JM BS	RBeaupre Drilling Ltd.	02-Oct-06	03-Oct-06	306695	2596E	Elk Rack C Bay 31	NQ	96.58	53.62	3563.97	2595.32	1638.40	120.40
SND06-479	FS TA	Lederc Drilling	10-Oct-06	11-Oct-06	306695	2185E	Elk Rack C Bay 31	NQ	82.13	43.71	3484.61	2185.26	1628.54	135.33
SND06-480	JM BS	RBeaupre Drilling Ltd.	03-Oct-06	04-Oct-06	306695	2570E	Elk Rack C Bay 31	NQ	96.81	49.30	3561.26	2569.91	1640.69	116.13
SND06-481	JM BS	RBeaupre Drilling Ltd.	11-Oct-06	12-Oct-06	306695	2545E	Elk Rack C Bay 31	NQ	83.53	38.99	3567.16	2545.46	1634.47	95.40
SND06-482	JM BS	RBeaupre Drilling Ltd.	04-Oct-06	05-Oct-06	306695	2570E	Elk Rack C Bay 31	NQ	95.95	47.36	3563.79	2569.31	1635.01	101.60
SND06-483	FS TA	Lederc Drilling	11-Oct-06	12-Oct-06	306695	2185E	Elk Rack C Bay 31	NQ	84.36	42.76	3494.34	2187.37	1628.46	129.24
SND06-484	JM BS	RBeaupre Drilling Ltd.	05-Oct-06	11-Oct-06	306695	2545E	Elk Rack C Bay 31	NQ	97.01	37.75	3566.63	2545.51	1634.41	79.55
SND06-485	FS TA	Lederc Drilling	12-Oct-06	13-Oct-06	306695	2135E	Elk Rack C Bay 31	NQ	88.23	41.07	3542.13	2130.74	1633.69	51.82
SND06-486	JM BS	RBeaupre Drilling Ltd.	12-Oct-06	13-Oct-06	306695	2495E	Elk Rack C Bay 31	NQ	95.90	39.65	3569.54	2495.21	1632.29	90.77
SND06-487	FS TA	Lederc Drilling	13-Oct-06	14-Oct-06	306695	2135E	Elk Rack C Bay 31	NQ	88.19	38.04	3479.81	2102.86	1647.82	100.58
SND06-488	JM BS	RBeaupre Drilling Ltd.	13-Oct-06	14-Oct-06	306695	2495E	Elk Rack C Bay 31	NQ	95.90	36.80	3568.54	2495.27	1632.30	130.15
SND06-489	FSTA	Lederc Drilling	14-Oct-06	16-Oct-06	306695	2135E	Elk Rack C Bay 31	NQ	89.03	22.42	3480.26	2101.33	1648.00	124.06
SND06-490	JM BS	RBeaupre Drilling Ltd.	14-Oct-06	15-Oct-06	306695	2445E	Elk Rack C Bay 31	NQ	94.51	41.67	3567.40	2444.21	1628.73	64.31
SND06-491	FSTA	Lederc Drilling	14-Oct-06	17-Jan-06	306695	2310E	Elk Rack C Bay 31	NQ	84.84	46.49	3650.20	2313.31	1633.03	83.57
SND06-492	JM BS	RBeaupre Drilling Ltd.	15-Oct-06	18-Oct-06	306695	2445E	Elk Rack C Bay 31	NQ	95.79	51.47	3566.12	2444.09	1628.84	114.91
SND06-493	FSTA	Lederc Drilling	17-Oct-06	19-Oct-06	306695	2310E	Elk Rack C Bay 31	NQ	85.74	34.04	3649.06	2313.35	1633.06	123.75
SND06-494	JM BS	RBeaupre Drilling Ltd.	16-Oct-06	17-Oct-06	306695	2395E	Elk Rack C Bay 31	NQ	85.26	48.61	3574.32	2395.07	1624.95	107.90
SND06-495	FSTA	Lederc Drilling	19-Oct-06	20-Oct-06	306695	2345E	Elk Rack C Bay 32	NQ	82.42	29.80	3568.04	2353.03	1624.39	63.70
SND06-496	JM BS	RBeaupre Drilling Ltd.	17-Oct-06	18-Oct-06	306695	2395E	Elk Rack C Bay 32	NQ	95.86	57.26	3549.25	2395.21	1628.06	140.21
SND06-497	FSTA	Lederc Drilling	20-Oct-06	21-Oct-06	306695	2345E	Elk Rack C Bay 32	NQ	75.33	28.19	3566.24	2353.01	1624.58	99.06
SND06-498	JM BS	RBeaupre Drilling Ltd.	18-Oct-06	20-Oct-06	306695	2395E	Elk Rack C Bay 32	NQ	95.33	42.56	3519.99	2395.57	1630.81	185.01
SND06-499	FSTA	Lederc Drilling	21-Oct-06	22-Oct-06	306695	2345E	Elk Rack C Bay 32	NQ	88.55	39.39	3503.50	2345.27	1629.41	150.57
SND06-500	JM BS	RBeaupre Drilling Ltd.	20-Oct-06	22-Oct-06	306695	2395E	Elk Rack C Bay 32	NQ	96.11	42.63	3518.43	2395.52	1630.90	230.73
SND06-501	FSTA	Lederc Drilling	22-Oct-06	24-Oct-06	306695	2345E	Elk Rack C Bay 32	NQ	88.37	48.63	3502.37	2345.27	1629.41	209.40
SND06-502	JM BS	RBeaupre Drilling Ltd.	23-Oct-06	24-Oct-06	306695	2470E	Elk Rack C Bay 32	NQ	94.97	43.67	3304.39	2471.20	1631.36	102.72
SND06-503	JM BS	RBeaupre Drilling Ltd.	24-Oct-06	25-Oct-06	306695	2520E	Elk Rack C Bay 32	NQ	95.89	64.25	3318.86	2519.63	1639.17	105.77
														TOTAL: 6673.19

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5.3 DRILLING RESULTS

Surface drill hole collar locations are shown on Plates 1 and 4 and are listed below in Table 2. Long sections looking north illustrate drill zone intercept locations with gold results for the B and WD zones (Plates 2 and 3). Summary drill logs, including geology and assay information for all 2006 drill holes, are included in Volume II, Appendix D. Subsurface geology, sample locations and gold sampling results are plotted on drill sections included in Plates 5 to 30. Selected assay results are listed below in Table 4.

Seventeen holes were drilled into the B and DeepB (B zone below 1400m elevation) zones between 2040E and 2520E to extend the known mineralization down dip and along strike.

Thirty seven holes were drilled into the WD zone to define the near surface vein and gold grade continuity. The Siwash East area mineralization exposed by trenching was tested with four holes on a fifty meter grid.

The B zone was intersected at or near the projected location in all holes. The DeepB zone (the B zone below 1400m elevation) was intersected at the projected locations and appears to flatten at depth to -30 degrees (sections 2040E and 2140E). The DeepC vein, defined on section 2140E in 2005, was found not to be continuous to depth. The 2006 drilling confirms the southwest trend of the DeepB high grade shoot between sections 2040E and 2140E and remains open at depth.

The B zone between 2260E and 2520E also flattens in dip at depth to -25 degrees. Numerous low grade quartz stringers were intersected over wide intervals below the B zone.

The WD zones to the west of the north-northwest trending RB fault were tested by 12 holes between 2135E and 2285E. All the holes intersected the WD system, which is made up of two to four sub-parallel veins (WD, WD2, WD3, WD4) dipping 45 degrees to the south over a twenty to forty meter width. Twenty five holes were drilled to the east of the RB fault between 2320E and 2720E all of which intersected the WD veins at the projected locations.

The WD vein system dips about -55 degrees to the south on the east side of the RB fault and flattens to about -25 degrees above the 1580m elevation. The WD vein system is made up of two to three sub parallel veins: the WD vein which occasionally splits into two closely spaced veins (WDa and WDb) and the WD2 about 25m below. All holes intersected the veins at the targeted locations.

Four holes were drilled into the Siwash East zone on two fences fifty meters apart between 4100E and 4150E. They were targeted to intersect mineralized quartz veins 50 meters down-dip from veins exposed on surface. The veins occur adjacent to an andesite dyke that trends about 65 degrees and dips -65 degrees to the south. The veins are discontinuous and have been noted on the north side of the dyke that splits and varies in width from one to three meters. The drill holes intersected mineralized quartz veins in all four holes but no significant grades were returned.

Table 3 2006 DRILL INTERSECTION SUMMARY

HOLE NO	FROM	TO	INT	TW	GEOLOGY	ZONE	AU OZ/T	AG OZ/T	SG
SND06451	20.49	20.79	0.30	0.30	Y5QV		0.418	0.087	2.64
SND06453	168.12	168.42	0.30	0.26	Y2QV		0.591	2.712	2.64
SND06454	184.18	184.48	0.30	0.30	Y5QV		2.248	5.337	2.93
SND06456	178.15	178.45	0.30	0.28	Y4QV		1.149	3.092	2.77
SND06456	181.19	181.49	0.30	0.23	Y5QV		0.259	0.378	2.80
SND06459	181.25	181.55	0.30	0.28	Y1QV	B	0.316	0.700	2.83
SND06460	201.57	201.87	0.30	0.28	Y5GG		0.230	1.196	2.73
SND06461	213.65	213.95	0.30	0.30	Y1QV		0.201	0.087	2.65
SND06461	58.52	58.82	0.30	0.28	Y2ST		0.547	0.146	2.68
SND06462	299.31	299.81	0.50	0.48	Y2QV	B	2.125	0.642	2.81
SND06462	299.31	299.81	0.50	0.48	Y2QV	B	2.125	0.642	2.81
SND06463	153.38	153.68	0.30	0.26	Y1GG		0.228	0.175	2.76
SND06463	328.99	329.49	0.50	0.47	Y3QV	B	0.724	1.167	2.77
SND06463	328.49	329.99	0.50	0.43	Y1QV		0.618	0.467	2.62
SND06464	139.03	139.28	0.25	0.22	Y2GG		0.403	0.204	2.58
SND06467	88.92	89.26	0.34	0.31	Y3QV	WDa	1.158	2.100	3.03
SND06467	91.45	91.91	0.46	0.25	Y2QV	WDb	0.342	0.671	2.70
SND06468	190.88	191.28	0.40	0.26	Y1QV		0.214	0.146	2.71
SND06468	194.24	194.94	0.70	0.35	Y4QV	WD4	0.261	0.525	2.79
SND06468	120.67	121.27	0.60	0.23	Y1QV	WD	0.525	1.896	2.78
SND06469	25.72	26.18	0.46	0.45	Y3QV	WD	0.325	1.837	2.77
SND06470	81.65	81.85	0.30	0.26	Y2QV		0.448	0.437	2.63
SND06471	86.58	86.91	0.33	0.32	Y3QV	WD2	0.421	0.437	2.70
SND06472	102.90	103.20	0.30	0.29	Y3QV		0.750	0.554	2.74
SND06472	43.03	43.63	0.60	0.52	VGQV	WD	2.232	7.233	2.65
SND06473	112.75	113.08	0.33	0.23	Y3QV	WD2	0.442	0.962	2.85
SND06473	143.37	143.67	0.30	0.24	Y3QV	WD3	0.394	0.175	2.66
SND06475	129.10	129.51	0.41	0.35	Y2QV	WDb	0.361	1.721	2.82
SND06476	80.86	81.16	0.30	0.30	Y3ST		0.269	0.058	2.60
SND06477	26.31	26.70	0.39	0.30	Y3QV	WD	0.868	1.721	2.69
SND06478	7.25	7.55	0.30	0.30	Y2ST		0.211	0.087	2.58
SND06478	92.57	93.07	0.50	0.29	Y2QV		0.907	1.575	2.75
SND06479	63.43	63.73	0.30	0.23	Y2QV	WD	0.252	0.554	2.71
SND06481	63.53	63.83	0.30	0.25	Y1QV		3.525	1.575	2.81
SND06486	46.03	45.33	0.30	0.27	Y2QV		0.904	1.662	2.74
SND06487	83.58	84.23	0.65	0.44	Y3QV	WD	0.352	2.333	3.06
SND06488	107.61	107.91	0.30	0.26	Y5ST		0.272	0.292	2.70
SND06492	62.30	62.60	0.30	0.27	QVGG		0.201	0.117	2.76
SND06493	74.78	75.40	0.62	0.34	QVGG	WD	0.311	0.904	3.11
SND06499	114.06	114.44	0.38	0.25	Y5QV	WD	1.438	2.800	4.03
SND06501	173.72	174.07	0.35	0.32	Y2QV	WD3	0.378	0.787	2.92
SND06502	42.66	42.96	0.30	0.26	Y2QV		0.370	0.262	2.58
SND06503	71.02	71.32	0.30	0.30	Y2QV		0.244	0.525	2.65
SND06503	75.28	75.58	0.30	0.29	Y1QV		0.204	0.817	2.67

6.0

GEOCHEMISTRY

6.1 INTRODUCTION

During the 2006 field season 58 diamond drill holes were drilled on the Elk property. A total of 1318 core samples were sent for analysis, plus 47 pairs of duplicates, 46 pulp standards and 47 blank samples. The majority of the samples were analyzed for gold by wet geochemical and fire assay techniques. A small number (40), based on visual estimation of high gold content or because of high initial gold results, were reanalyzed using a sieve/metallics method.

6.2 ROCK GEOCHEMISTRY

Drill core samples were sent to Acme Analytical Laboratories in Vancouver for analysis. Sample preparation and analytical methods varied depending upon the expected gold grade of the material sampled. General sample preparation methods are given in Appendix A. All samples were split, and one split was sent to the laboratory for analysis. The remaining half of every thirtieth sample was used as a duplicate for quality control purposes. To provide additional monitoring each duplicate was accompanied by a measured amount of a prepared pulp and a sample of barren intrusive. The pulps were prepared as 9, 33 or 35 g/t standards by CDN Resource Laboratories Ltd., Delta, BC. Initially 15 gm aliquots of pulp were sent, but this was later increased to 30 gm.

Material that was expected to have significant gold content (>10g/t), either visually or after initial geochemical analysis, was sent to the laboratory for metallics assay. Typically this material consisted of quartz vein with or without wall rock, total thickness usually 10 to 15 cm, with a minimum of 10% sulphides +/- visible gold. The sample preparation and analytical routines are presented in Appendix A (Group 6, Metallics Assay).

Intercepts that were expected to be of lower grade (>100ppb to <10g/t) were shipped for fire assay with an ICP-ES finish (Group 6, Appendix A). This material usually consisted of host rock and quartz veins less than 10cm thick with less than 10% sulphides. Thirty-six element ICP-MS (Group 1DX, Appendix A) analysis was performed on a 0.5gm sub-sample of the pulp from each sample.

Samples that were expected to carry low levels of gold (<100ppb) were initially analyzed using a wet geochemical method (Group 3A, Appendix A), but this was changed in favour of using Group 1DX on all samples. Typically, samples of quartz stringers, strongly altered wall rock or wall rock flanking well mineralized intercepts were sent for Group 3A analysis. Samples that returned higher than expected gold values were re-analyzed using the next higher confidence sampling procedure.

In terms of increasing levels of confidence, the gold content of core samples was determined by a) Aqua Regia extraction (0.5gm sub-sample), ICP-MS determination of gold, b) fire assay with flux extraction (30gm sample), ICP-ES determination of gold, and c) method b) (up to 1kg sample), with recovery and fire assay of any coarse gold recovered by sieving of up to 1 kg of -150 mesh pulp.

6.3 METHOD OF AVERAGE GRADE CALCULATION

The true width of a sampled interval was ascertained geometrically using core angles and zone orientations determined by contouring the zone intercepts. All drill holes were surveyed using a down-the-hole survey instrument. Specific gravities were assumed to be 2.75 for sulphide-rich intersections, 2.5 for oxide ore, or were calculated for each intersection using the Fe, Pb, Cu and Zn content (when available), or were determined using the sample weight in air and water, measured in the field. Grades were weighted using true width and specific gravity over an interval of 0.50m, or the vein thickness if more than 0.50m. Averaged intervals are listed in the drill logs in Appendix B.

6.4 QUALITY CONTROL MEASURES

All drill core samples were split in order to leave half of the sample for future check sampling or inspection. Samples from the first sixteen holes were variably sent for G1DX, 3A or G6 analysis. Beginning with drill hole SND06-462, all samples were sent for G1DX and G6 analysis. A large number of comparative gold results were generated. These are recorded in Table 4, Appendix A. A direct comparison is shown on Figure 3. The overall correlation appears to be fairly good, particularly below 10g/t. Above that level scatter increases, which can be attributed to nugget effect at higher grades. The plot of % Variability vs Average Grade indicates that the variability between values at the lower end of the scale (<10g/t) is much greater than that for values at the higher end.

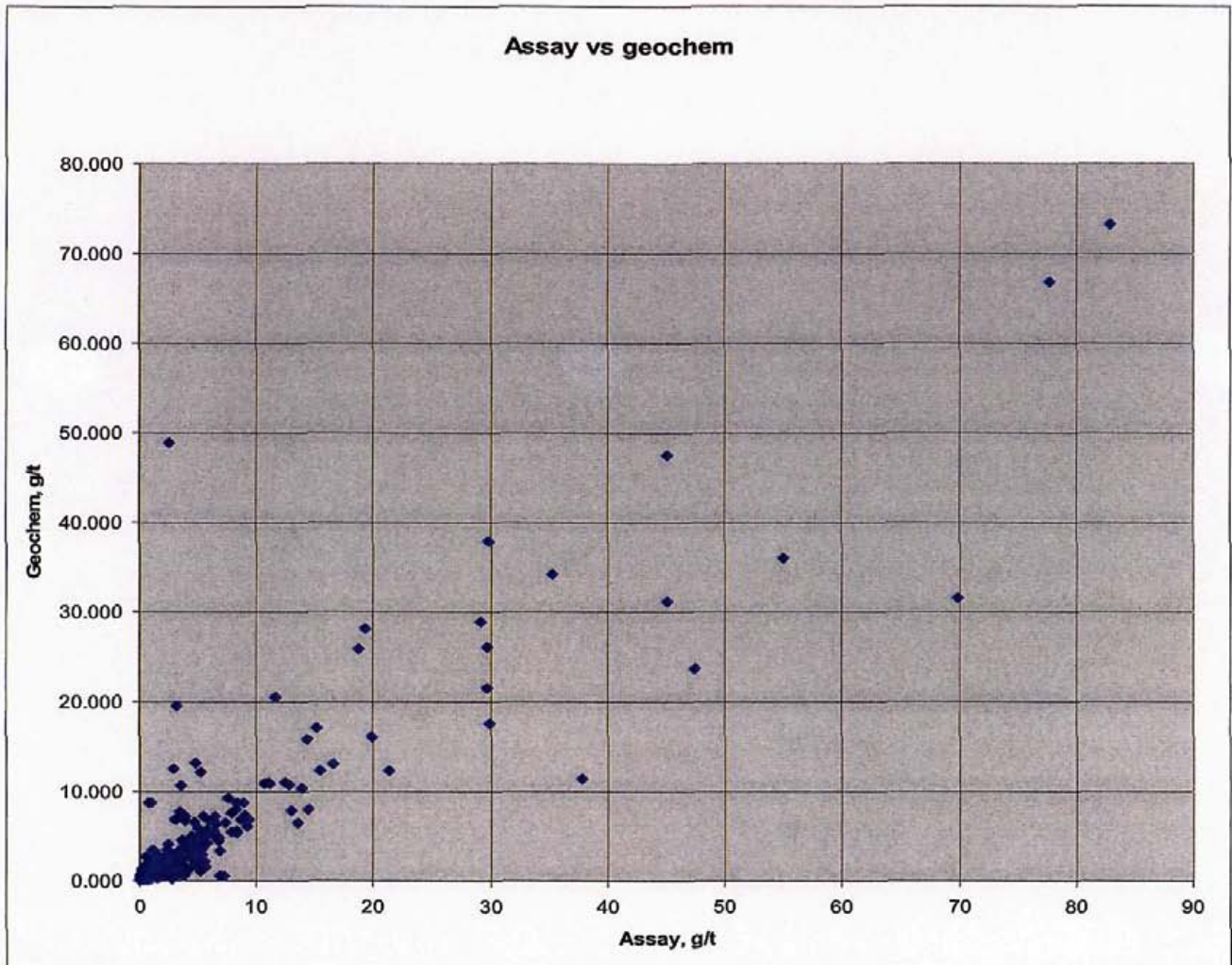


Figure 3: Plot of gold assay value vs geochemical value for duplicate samples, N = 1014 (See Appendix B).

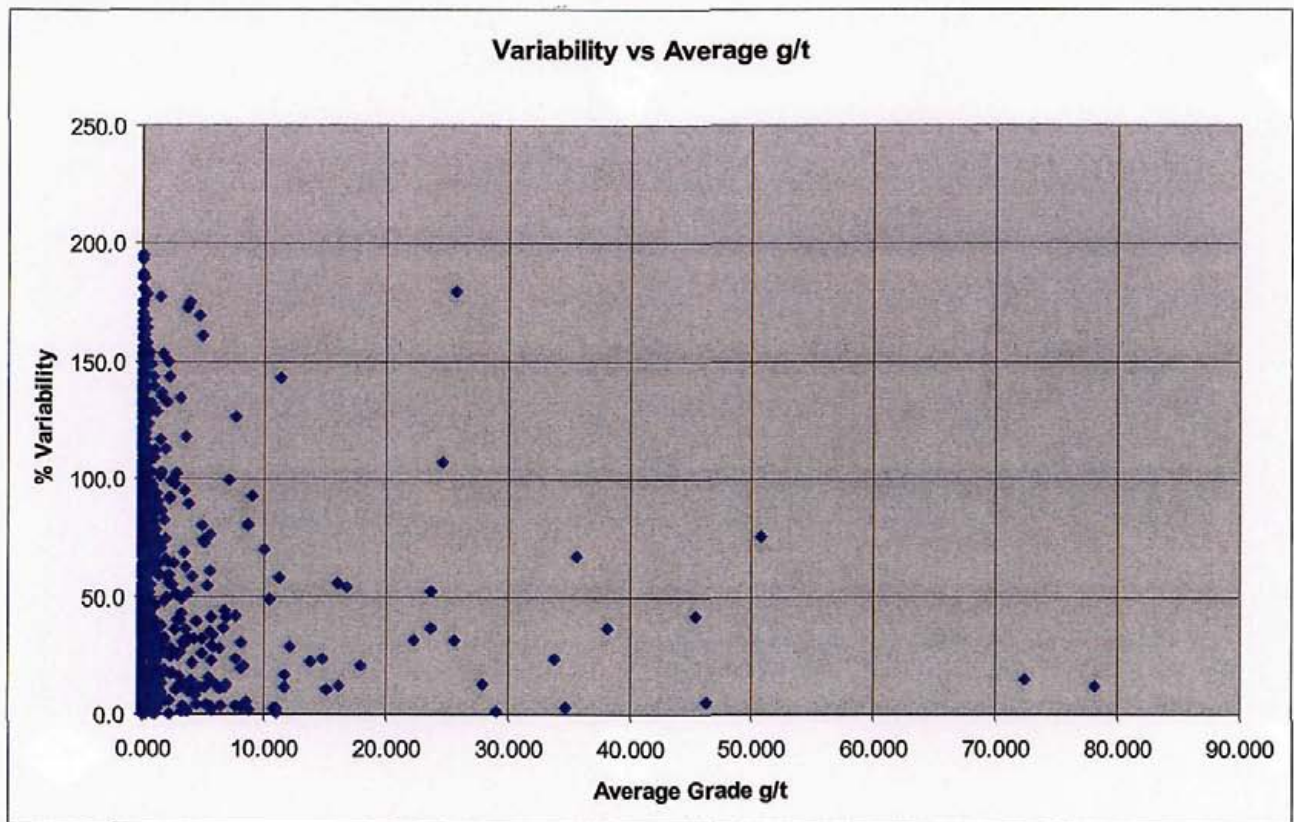


Figure 4: Plot of % variability vs the average gold grade of 1014 samples (See Table 4 - Appendix A).

Half of every thirtieth sample was given the next sequential sample number and sent to the laboratory as a duplicate. All of these samples were analyzed using a wet chemical technique and most were submitted for fire assay. The results are presented in Table 6 and Figure ?. The variability between wet geochemical results ranges from 2.8% to 197.1% (mean 72.5%) while for fire assay results on the same samples the variability ranges from 0% to 178.9% (mean 46.8%). All but one fire assay pair have variabilities less than 110%. This range in variabilities indicates that there is a strong nugget effect.

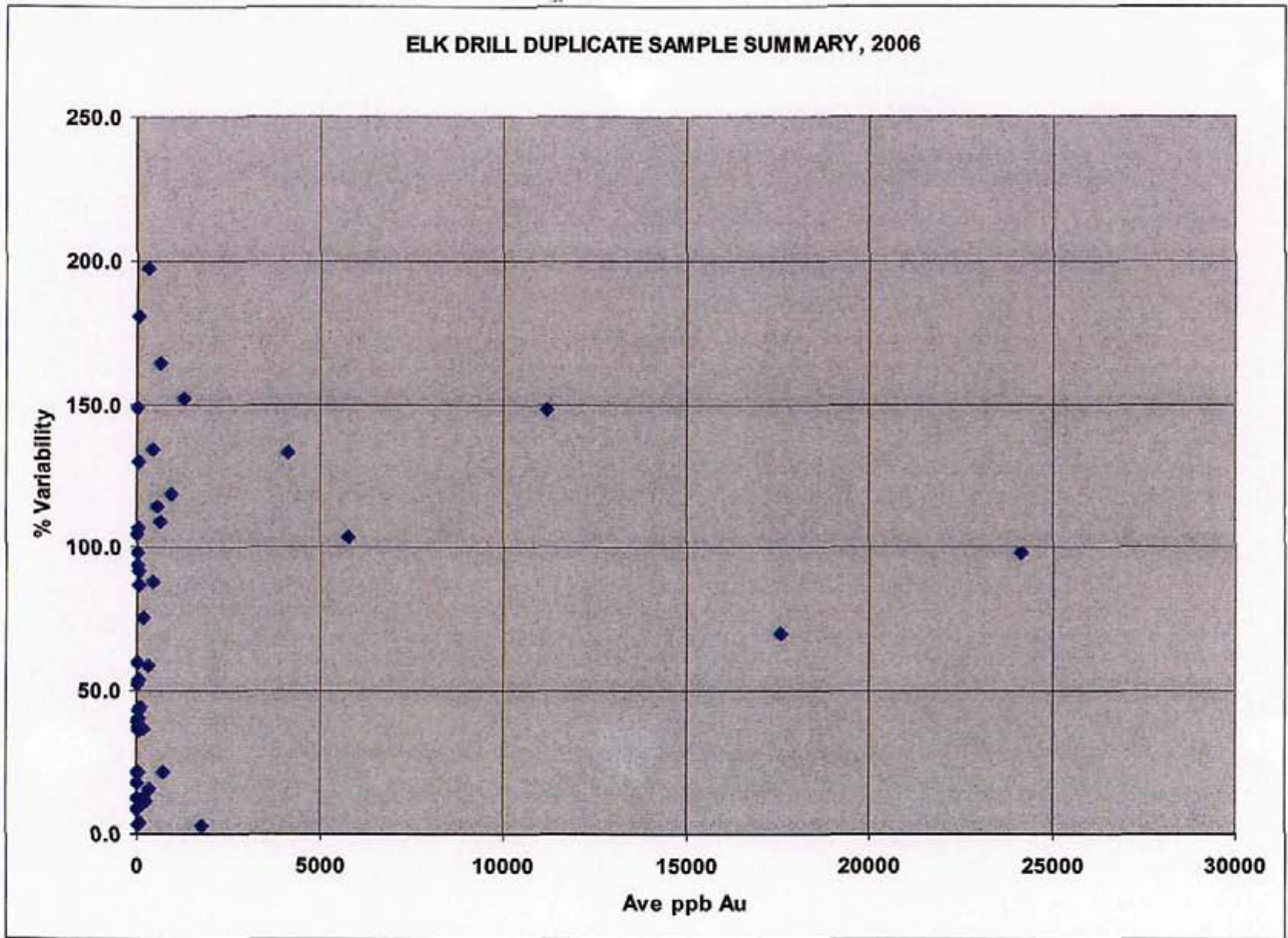


Figure 5: Duplicate sample variability

Table 5

ELK DRILL DUPLICATE SAMPLE SUMMARY, 2006

Original sample number	Duplicate sample number	Wet Geochemical				Fire Assay			
		Sample Au ppb	Duplicate Au ppb	Mean Au	Variability %	Sample AU FA gm/mt	Duplicate AU FA gm/mt	Mean Au	Variability %
SED446-11	SED446-12	8.2	9.3	8.75	12.6				
SED447-5	SED447-6	22.1	27.4	24.75	21.4				
SED449-4	SED449-5	268.7	240.1	254.4	11.2				
SND450-20	SND450-21	6874.3	1382.6	4128.45	133.0	2.95	4.27	3.61	36.6
SND450-40	SND450-41	239.7	616.9	428.3	88.1	0.75	0.75	0.75	0.0
SND451-10	SND451-11	116	1188	652	164.4				
SND452-10	SND452-11	79.8	77	78.4	3.6				
SND453-8	SND453-9	16.1	5.5	10.8	98.1				
SND454-1	SND454-2	3.6	4.3	3.95	17.7				
SND454-19	SND454-20	352.1	301.3	326.7	15.5				
SND456-7	SND456-8	27.4	26.5	26.95	3.3				
SND457-14	SND457-15	208.4	382.1	295.25	58.8	0.27	0.93	0.6	110.0
SND458-10	SND458-11	40.5	26.9	33.7	40.4				
SND458-40	SND458-41	28.4	76.5	52.45	91.7	0.03	0.04	0.035	28.6
SND459-19	SND459-20	31.7	22	26.85	36.1				
SND460-11	SND460-12	30.1	17.3	23.7	54.0				
SND460-41	SND460-42	143.6	729.6	436.6	134.2	0.45	1.1	0.775	83.9
SND461-18	SND461-19	87.6	79.4	83.5	9.8				
SND462-16	SND462-17	876.9	240.3	558.6	114.1	0.66	1.46	1.06	75.5
SND463-12	SND463-13	165.3	187.4	176.35	12.5	0.29	0.22	0.255	27.5
SND464-3	SND464-4	124.2	179.5	151.85	38.4	0.18	0.17	0.175	5.7
SND465-4	SND465-5	1.7	0.25	0.975	148.7				
SND466-10	SND466-11	3.7	2	2.85	59.6				
SND467-21	SND467-22	593.3	4.3	298.8	197.1				
SND468-20	SND468-21	11.3	53.3	32.3	130.0	0.04	0.11	0.075	93.3
SND469-6	SND469-7	2796.6	6760.2	5778.4	103.2	3.26	8.31	5.795	86.8
SND472-19	SND472-20	7.9	5.3	6.6	39.4	0.03	0.01	0.02	100.0
SND473-1	SND473-2	249.2	112.9	181.05	75.3	0.36	0.28	0.32	25.0
SND474-16	SND474-17	29.1	95.8	62.45	106.8	0.05	0.03	0.04	50.0
SND478-16	SND478-17	13.7	34.7	24.2	86.8	0.02	0.03	0.025	40.0
SND479-8	SND479-9	12311.5	35929.7	24120.6	97.9	21.33	54.95	38.14	88.1
SND478-3	SND478-4	1782	1833.3	1807.65	2.8	5.01	5.16	5.085	2.9
SND480-12	SND480-13	803.6	645.5	724.55	21.8	1.09	1.04	1.065	4.7
SND484-2	SND484-3	19472.5	2914.7	11193.6	147.9	3.25	5.32	4.285	48.3
SND486-7	SND486-8	12.3	9.9	11.1	21.6	0.04	0.03	0.035	28.6
SND488-23	SND488-24	1514	387.3	950.65	118.5	0.69	0.59	0.64	15.6
SND491-2	SND491-3	2243	306.6	1274.8	151.9	1.04	0.88	0.96	16.7
SND492-13	SND492-14	53.8	36.9	45.35	37.3	0.09	0.12	0.105	28.6
SND493-11	SND493-12	10.5	3.8	7.15	93.7	0.01	0.01	0.01	0.0
SND494-10	SND494-11	5.4	5.9	5.65	8.8	0.02	0.03	0.025	40.0
SND496-19	SND496-20	35.6	23	29.3	43.0	0.04	0.03	0.035	28.6
SND498-18	SND498-19	80	125.2	102.6	44.1	0.13	0.18	0.155	32.3
SND499-5	SND499-6	14.5	8.5	11.5	52.2	0.03	0.02	0.025	40.0
SND500-20	SND500-21	23.6	7.4	15.5	104.5	0.03	0.01	0.02	100.0
SND501-16	SND501-17	3.4	66.7	35.05	180.6	0.005	0.09	0.0475	178.9
SND502-13	SND502-14	23725.1	11436.4	17580.25	69.9	47.45	37.83	42.64	22.6
SND503-12	SND503-13	290.9	964.9	637.9	108.8	0.79	0.69	0.74	13.5
Average variability					72.5				
						46.8			

Blank samples were submitted to the laboratory with the same frequency as the duplicates. The blank samples were taken from unaltered granodiorite or quartz monzonite core that contained no quartz veining. The purpose of including blanks in the sample stream was to confirm that no contamination occurred in the sampling or analysis procedures. One sample, SED06449-6, had a marginally higher value (76.5ppb Au) but it is not significant. The results for all the blank samples analyzed since 2000 are shown in Table 6.

Sample Number	Au ppb	Sample Number	Au ppb	Sample Number	Au ppb	Au ppt	Sample Number	Au ppb	Au ppt	Sample Number	Au ppb	Au ppt
SND00298-21	0.8	SND03338-60	5.2	SND04382-13	11.0		SND05427-3	1.7		SND06458-42	3.2	<.01
SND00298-41	4.4	SND03341-5	<0.5	SND04382-33	1.3		SND05427-43	3.2		SND06459-21	6	<.01
SND00299-20	0.9	SND03342-24	2.2	SND04383-12	1.2		SND05428-11		0.00	SND06460-13	2	0.01
SND00299-40	2.9	SND03342-4	35	SND04384-13	1.0		SND05428-31	1.0		SND06460-43	1	0.01
SND00300-7	3.7	SND03343-16	3.9	SND04385-12	0.9		SND05429-29	2.0		SND06461-20	3	0.01
SND00301-8	8.9	SND03345-5	5.4	SND04386-7	<0.5		SND05429-49		0.00	SND06462-16	2	0.01
SND00302-6	36.6	SND03346-10	416.2	SND04387-21	0.8		SND05429-9		0.00	SND06463-14	1.1	0.01
SND00303-11	0.5	SND03347-12	11.7	SND04388-23	0.8		SND05430-14	1.0		SND06464-5	1	<.01
SND00304-6	9.6	SND03348-11	5	SND04388-3	4.0		SND05431-27	3.0		SND06465-6	3.2	0.02
SND00306-5	0.4	SND03349-31	1.9	SND04389-7	2.3		SND05431-7		0.03	SND06466-12	0.25	<.01
SND00308-16	0.3	SND03351-16	2.3	SND04390-8	9.0		SND05432-18		0.00	SND06467-23	0.8	0.01
		SND03351-36	9.7	SND04391-9	3.0		SND05415-28	8.4		SND06468-22	3	<.01
SND02310-21	5.3	SND03352-4	0.7	SND04392-11	<0.5		SND05415-9	1.4		SND06469-8	14.3	0.03
SND02311-27	3.6	SND03354-15	1.5	SND04393-15	2.0		SND05417-12	1.1		SND06472-21	2.5	<.01
SND02311-47	3.3	SND03354-35	3	SND04395-19	2.2		SND05417-32	2.1		SND06473-3	21.5	0.01
SND02312-12	12.0	SND03355-13	7	SND04396-9	19.6		SND05417-53	5.6		SND06474-16	2.6	<.01
SND02313-18	6.2	SND03355-33	0.3	SND04398-14	<0.5		SND05418-13	6.5		SND06478-18	0.5	0.01
SND02315-7	5.2	SND03356-20	10.5	SND04402-5	3.8		SND05418-39	1.1		SND06479-10	43.7	0.05
SND02317-4	14.0	SND03358-11	62.3	SND04403-8	7.5		SND05433-14	12.2		SND06478-5	6	0.02
SND02318-4	7.1	SND03358-31	15.1	SND04405-13	1.8		SND05433-34	11.3		SND06480-14	4.6	<.01
SND02318-5	1.6	SND03358-8	2	SND04408-4	2.1		SND05434-13		0.00	SND06484-4	1	<.01
SND02321-4	0.2	SND03361-4	17.9	SND04409-6	1.4		SND05434-33	7.6		SND06488-9	0.7	0.01
SND02323-7	1.4	SND03362-7	14.7	SND05416-53	0.9		SND05435-29	8.1		SND06488-25	13.7	<.01
SND02325-5	7.7	SND03364-9	5.8	SND05419-17	1.2		SND05435-9	5.6		SND06491-4	1.6	<.01
SND02325-27	0.1	SND03365-9	17.7	SND05419-37	5.1		SND05441-9	0.7		SND06492-15	1.3	<.01
SND02326-7	4.9			SND05420-20	2.5		SND05443-13		0.00	SND06493-13	3.3	0.01
SND02327-11	5.6	SND04366-21	9.2	SND05420-40	1.9		SND05444-25		0.00	SND06494-12	0.25	<.01
SND02329-7	1.3	SND04387-13	4.0	SND05421-23	7.5		SND05444-6		0.00	SND06496-21	0.26	0.01
SND02330-5	4.6	SND04368-12	16.2	SND05421-3	6.1		SND05445-14		0.03	SND06496-20	4.3	0.01
SND02331-14	1.3	SND04368-12	0.5	SND05421-43	4.9					SND06499-7	2.1	0.01
SND02332-7	3.4	SND04371-26	4.5	SND05421-83	6.3		SED06446-13	0.6		SND06500-22	10.1	0.03
SND02332-27	15.9	SND04371-9	<0.5	SND05421-83	2.5		SED06447-7	2.3		SND06501-18	1.2	<.01
SND02334-6	1.0	SND04373-17	0.7	SND05422-11		0.00	SED06448-6	76.5		SND06502-15	5.4	<.01
SND02334-26	3.6	SND04373-38	8.1	SND05422-31		0.07	SND06450-22	1.4		SND06503-14	2.4	0.01
SND02335-5	12.0	SND04375-18	4.5	SND05422-51		0.00	SND06450-42	0.25				
SND02335-25	1.6	SND04375-38	<0.5	SND05423-17	8.2		SND06451-12	2.1	<.01			
		SND04375-56	3.8	SND05423-37	1.3		SND06452-12	0.25	0.01			
SND03337-28	9.8	SND04377-4	2.6	SND05424-20	3.9		SND06453-10	4.8				
SND03337-7	9.6	SND04376-6	0.5	SND05425-10	88.9		SND06454-3	1.1				
SND03338-29	1	SND04380-23	0.6	SND05426-25	8.8		SND06454-21	1.8				
SND03338-9	75	SND04380-3	<0.5	SND05426-45		0.00	SND06456-9	2.6				
SND03339-20	3.8	SND04381-11	<0.5	SND05426-5	9.0		SND06457-16	4.4	0.01			
SND03339-41	0.5	SND04381-31	1.2	SND05427-23		0.00	SND06458-12	2.9	0.01			

NOTE: <0.5, <0.01 indicate below the detection limit for the methods used.

Acme Analytical Laboratories routinely re-sampled and re-analyzed pulps and rejects as part of their analytical procedure. The results for 2006 are given in Table 6 and Figure 6. The average variability of the wet geochemical numbers is twice that of the assay numbers (88% vs 42%) but the variability amongst all the numbers (six analyses per sample) is 112.5%. The range in percent variability among the wet geochemical numbers is 0.6% to 275.7%, while that for the fire assay numbers is narrower, 4.62% to 133.33%. High variability numbers indicate a strong nugget effect, particularly in samples analyzed by fire assay. The high variability among all the results and in the wet geochemical results is probably due to the difference in sample weight – 0.5gm for wet geochemical analysis vs 30gm for fire assay.

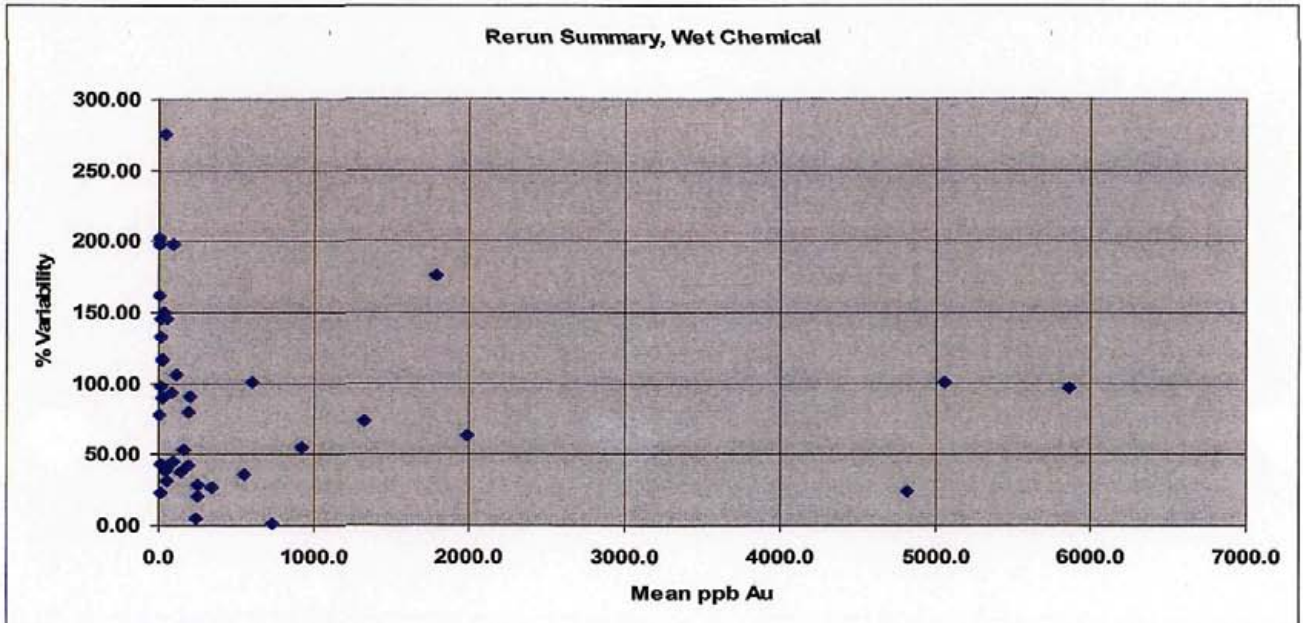


Figure 6: Geochemical rerun sample percent variability vs mean ppb gold, samples chosen by Acme, N = 41

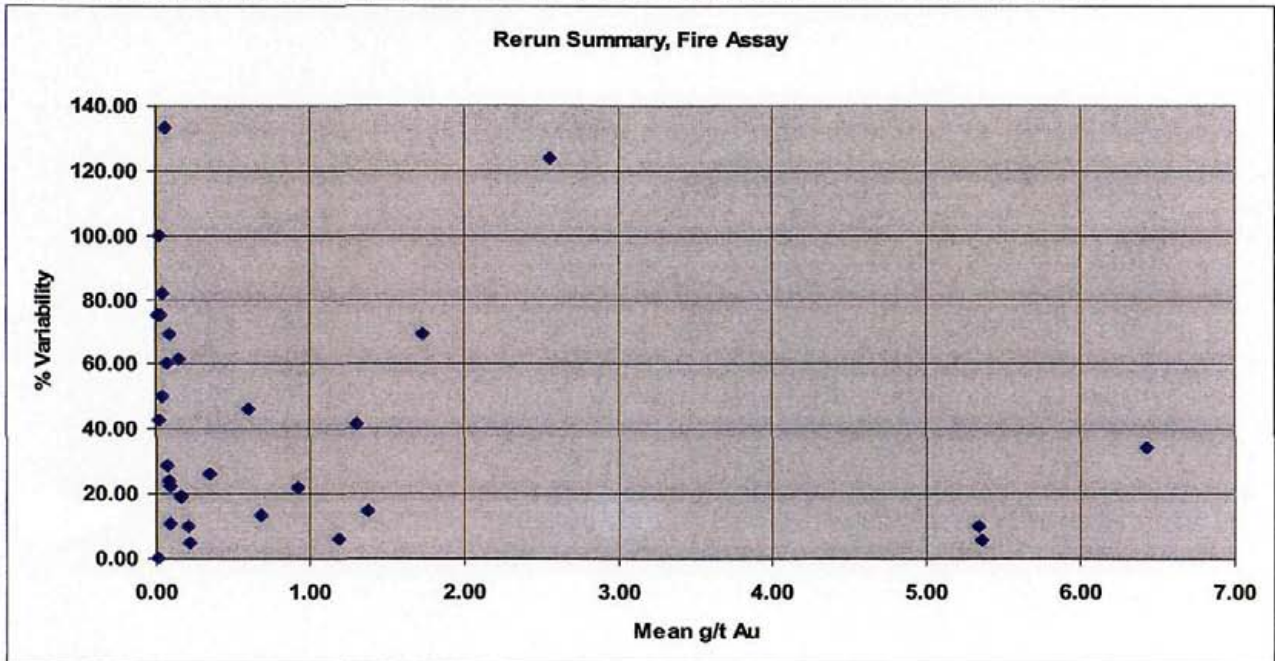


Figure 7: Fire Assay sample % variability vs mean g/t gold, samples chosen by Acme, N = 41 (See Table 8).

Table 7

ELK DRILL SAMPLE RERUN SUMMARY, 2006

Sample number	Wet Geochemical Analysis					Fire Assay					Report Number
	Au	Au	Au	Au	Variability	Au	Au	Au	Au	Variability	
	ppb X	ppb XRE	ppb XRRE	ppb average	%	g/t X	g/t XRE	g/t XRRE	g/t average	%	
SED449-5	240.1	235.3	245.7	240.4	4.33						A604663
SND450-6	165.9	138.6	113.9	139.5	37.28						A603973
SND450-33	132.2	130.1	214.0	156.8	52.84						A603973
SND451-21	283.0	241.9	212.9	245.9	28.50	0.22	0.21	0.22	0.22	4.62	A603972
SND452-4	832.1	1335.8	1807.2	1325.0	73.59	1.16	1.17	1.23	1.19	5.90	A604662
SND453-9	5.5	6.6	5.3	5.8	22.41						A604785
SND453-21	773.8	723.7	3853.4	1783.6	175.47	1.15	2.21	4.32	2.56	123.83	A604784
SND456-3	11.3	9.9	15.1	12.1	42.98						A605486
SND457-3	17.4	9.2	6.6	11.1	97.59	0.02	0.03	0.01	0.02	100.00	A605485
SND458-9	42.6	126.6	157.9	109.0	105.75	0.09	0.09	0.10	0.09	10.71	A605705
SND459-12	4.1	12.0	3.4	6.5	132.31						A605707
SND459-37	738.2	733.8	736.0	736.0	0.60	0.65	0.66	0.74	0.68	13.17	A605705
SND460-26	667.6	470.7	530.9	556.4	35.39	0.82	1.03	0.83	0.83	21.58	A605820
SND461-2	143.8	223.6	205.4	190.9	41.79						A605821
SND461-4	9.0	4.0	19.9	11.0	144.88	0.05	0.03	0.04	0.04	50.00	A605820
SND462-15	6.0	4.1	2.7	4.3	77.34	0.01	0.01	0.01	0.01	0.00	A606169
SND463-29	14.6	24.4	6.7	15.2	116.19	0.05	0.04	0.02	0.04	81.82	A606883
SND464-23	202.8	29.5	30.6	87.6	197.76	0.08	0.06	0.12	0.09	69.23	A607101
SND465-22	0.3	1.8	0.3	0.8	202.17						A607101
SND467-26	4.1	2.8	0.3	2.4	161.54	0.01	0.01	0.02	0.01	75.00	A607101
SND468-26	63.4	46.4	55.8	55.1	30.83	0.09	0.09	0.07	0.08	24.00	A607101
SND468-37	7208.5	5853.5	2116.0	5059.3	100.66	5.45	5.01	5.54	5.33	9.94	A607467
SND471-5	10.2	12.7	31.4	18.1	117.13	0.04	0.03	0.11	0.06	133.33	A607467
SND472-24	40.0	16.1	84.4	46.8	145.84	0.1	0.08	0.09	0.09	22.22	A607467
SND473-7	0.3	0.3	1.7	0.7	197.73						A607467
SND475-1	213.9	247.7	99.5	187.0	79.24	0.18	0.15	0.15	0.16	18.75	A607467
SND476-10	2150.2	1272.2	2520.5	1981.0	63.01	1.32	2.52	1.38	1.74	68.97	A607467
SND479-12	54.2	65.3	132.5	84.0	93.21	0.14	0.16	0.17	0.16	19.15	A608069
SND480-18	1102.2	1066.0	594.2	820.8	55.17	1.4	1.46	1.26	1.37	14.56	A608069
SND481-12	475.0	969.3	363.1	802.5	100.62	0.7	0.70	0.42	0.61	46.15	A608069
SND486-12	308.0	128.0	170.8	201.6	90.28	0.21	0.19	0.21	0.20	9.84	A608069
SND489-2	5374.4	4219.6	4834.4	4809.5	24.01	5.17	5.46	5.43	5.35	5.42	A608069
SND491-12	7.4	21.9	23.1	17.5	89.69	0.02	0.02	0.04	0.03	75.00	A608069
SND492-29	382.4	285.2	377.3	341.8	26.96	1.27	1.60	1.06	1.31	41.22	A608069
SND493-16	37.0	48.6	56.1	47.2	40.44	0.07	0.08	0.06	0.07	28.57	A608299
SND496-14	269.5	251.6	219.4	246.8	20.30	0.33	0.40	0.31	0.35	25.96	A608299
SND498-12	11.4	17.9	51.9	27.1	149.63	0.06	0.05	0.09	0.07	60.00	A608299
SND500-10	75.4	75.3	115.2	88.6	45.02	0.2	0.11	0.13	0.15	61.36	A608299
SND500-37	41.6	28.0	36.0	35.2	38.64	0.02	0.02	0.03	0.02	42.86	A608299
SND502-15	5.4	2.5	120.5	42.8	275.70						A608299
SND503-19	4802.3	3550.6	9213.0	5855.3	96.71	6.45	5.31	7.51	6.42	34.25	A608299
				Sum	3631.82				Sum	1297.41	
				Average	Variability				Average	Variability	
					88.8					41.9	

NOTES:

Samples were chosen by Acme

X = Original analysis

XRE = Analysis of second cut of original pulp

XRRE = Analysis of pulp prepared from reject material of X

Variability = Max sample value-Min sample value/Average of all sample values

Standard pulp samples were introduced to the sample stream by both Almaden Minerals Ltd. and Acme to check the consistency of the assay laboratory procedures. Almaden used three standards (9.78 +/- 0.53 g/t, 33.5 +/- 1.7 g/t and 35.25 +/- 1.21 g/t) during 2006, purchased from CDN Resource Laboratories Ltd. of Delta, BC. Initially, a fifteen gram aliquot of one of these standards was submitted to Acme with each blank and duplicate sample. This was later increased to 30 grams. The results are tabulated in Table 8. The mean of 26 wet chemical values for the 9780ppb pulp is 8416.7ppb, and the variability between these values is 65.4%. For the 23 assay values for the same pulp the mean is 9.83g/t, and the variability is 19.74%. In general, the wet geochemical results (0.5gm sample) deviated from the mean much more than the fire assay results (15 to 30gm sample), probably because of the much smaller sample size.

Table 8 ELK 2006 DRILL SAMPLE STANDARD SUMMARY

Sample#	Au ppb	Deviation	Au gmt	Deviation	Assay/Analysis	Au Standard	Report Number
SED06446-14	9619.4	0.00%			Wet Geochem	9.78+- .53 gm/t	A603973
SED06447-6	9627.1	0.00%			Wet Geochem	9.78+- .53 gm/t	A603973
SED06448-7	33884.2	0.00%			Wet Geochem	33.5+-1.7gm/t	A604785
SND06450-23	36435.0	3.51%	34.28	0.00%	Wet chem/FA	33.5+-1.7gm/t	A603972
SND06450-43	7078.2	23.48%	8.78	5.08%	Wet chem/FA	9.78+- .53 gm/t	A603972
SND06451-13	7728.2	16.45%	9.19	0.65%	Wet chem/FA	9.78+- .53 gm/t	A603972
SND06452-13	34204.4	0.00%	35.79	1.89%	Wet chem/FA	33.5+-1.7gm/t	A604784
SND06453-11	8138.1	1.21%	10.09	0.00%	Wet chem/FA	9.78+- .53 gm/t	A604784
SND06454-22	34290.2	0.00%			Wet Geochem	33.5+-1.7gm/t	A604785
SND06454-4	33433.5	0.00%			Wet Geochem	33.5+-1.7gm/t	A604785
SND06456-10	11571.4	12.23%			Wet Geochem	9.78+- .53 gm/t	A605486
SND06457-17	10518.0	2.02%	10.25	0.00%	Wet chem/FA	9.78+- .53 gm/t	A605485
SND06458-13	8075.1	12.70%	9.23	0.22%	Wet chem/FA	9.78+- .53 gm/t	A605705
SND06458-43	34309.0	0.00%	33.78	0.82%	Wet chem/FA	35.25 +-1.21 gm/t	A605705
SND06459-22	9087.7	1.75%	10.12	0.00%	Wet chem/FA	9.78+- .53 gm/t	A605705
SND06460-14	6523.5	29.48%	10.22	0.00%	Wet chem/FA	9.78+- .53 gm/t	A605820
SND06460-44	26728.3	15.60%	35.07	0.00%	Wet chem/FA	35.25 +-1.21 gm/t	A605820
SND06461-21	32181.4	5.52%	36.24	0.00%	Wet chem/FA	35.25 +-1.21 gm/t	A605820
SND06462-19	11216.7	8.79%	9.93	0.00%	Wet chem/FA	9.78+- .53 gm/t	A606169
SND06463-15	7997.9	13.54%	10.41	0.97%	Wet chem/FA	9.78+- .53 gm/t	A608863
SND06464-6	41864.8	14.82%	33.29	2.20%	Wet chem/FA	35.25 +-1.21 gm/t	A607101
SND06465-7	6587.7	28.67%	9.89	0.00%	Wet chem/FA	9.78+- .53 gm/t	A607101
SND06466-13	32906.2	3.32%	34.21	0.00%	Wet chem/FA	35.25 +-1.21 gm/t	A607101
SND06467-24	6906.4	25.34%	9.62	0.00%	Wet chem/FA	9.78+- .53 gm/t	A607101
SND06468-23	27852.0	16.77%	33.78	0.76%	Wet chem/FA	35.25 +-1.21 gm/t	A607467
SND06469-9	33668.1	1.09%	38.80	6.42%	Wet chem/FA	35.25 +-1.21 gm/t	A607467
SND06472-22	6842.6	26.03%	9.85	0.00%	Wet chem/FA	9.78+- .53 gm/t	A607467
SND06473-4	11505.9	11.60%	9.57	0.00%	Wet chem/FA	9.78+- .53 gm/t	A607467
SND06474-19	29879.9	12.22%	38.75	6.28%	Wet chem/FA	35.25 +-1.21 gm/t	A607467
SND06478-6	7732.5	16.41%	9.69	0.00%	Wet chem/FA	9.78+- .53 gm/t	A607467
SND06479-11	7202.9	22.13%	9.90	0.00%	Wet chem/FA	9.78+- .53 gm/t	A608069
SND06480-15	8451.7	8.63%	10.72	3.89%	Wet chem/FA	9.78+- .53 gm/t	A608069
SND06484-5	6603.5	28.81%	9.94	0.00%	Wet chem/FA	9.78+- .53 gm/t	A608069
SND06488-10	33581.7	1.41%	32.19	5.43%	Wet chem/FA	35.25 +-1.21 gm/t	A608069
SND06488-26	7615.7	17.67%	9.71	0.00%	Wet chem/FA	9.78+- .53 gm/t	A608069
SND06491-5	31331	7.96%	31.30	9.05%	Wet chem/FA	35.25 +-1.21 gm/t	A608069
SND06492-16	36015.8	4.27%	37.66	3.84%	Wet chem/FA	35.25 +-1.21 gm/t	A608069
SND06493-14	6280.5	32.10%	9.90	0.00%	Wet chem/FA	9.78+- .53 gm/t	A608299
SND06494-13	10410.6	0.98%	10.32	0.10%	Wet chem/FA	9.78+- .53 gm/t	A608069
SND06496-22	8845.9	4.37%	9.26	0.00%	Wet chem/FA	9.78+- .53 gm/t	A608299
SND06496-21	34458.6	0.00%	35.64	0.00%	Wet chem/FA	35.25 +-1.21 gm/t	A608299
SND06499-6	41623.4	14.16%	34.00	0.12%	Wet chem/FA	35.25 +-1.21 gm/t	A608299
SND06500-23	11784.1	14.30%	9.14	1.19%	Wet chem/FA	9.78+- .53 gm/t	A608299
SND06501-19	6541.4	29.26%	10.07	0.00%	Wet chem/FA	9.78+- .53 gm/t	A608299
SND06502-16	8837.6	4.46%	10.52	2.04%	Wet chem/FA	9.78+- .53 gm/t	A608299
SND06503-15	39915.1	9.46%	38.44	5.43%	Wet chem/FA	35.25 +-1.21 gm/t	A608299
Average		10.96%		1.38%			
NOTE: The deviation from a standard value was derived as follows: If the analytical result fell within the range of the standard value plus or minus the error (34.04-36.48 gm/t or 9.22-10.28 gm/t) a zero deviation was assigned. For the results above the upper limit or below the lower limit the percent deviation was calculated.							
Standards provided by: CDN Resource Laboratories Ltd. Delta, B.C.							

A number of samples were selected for check assaying by ALS Chemex laboratories in Vancouver. The pulps were sent from Acme to Chemex and assayed for gold. The samples were then re-numbered and returned to Acme for re-assay. The chart on Figure 3 indicates that, with two exceptions, Acme's repeatability is satisfactory. Examination of the two charts on Figures 8 and 9 shows that there is more variability in the 2006 results (6 of 13 results with > 50% variability) than in previous years (7 of 67 results with > 50% variability).

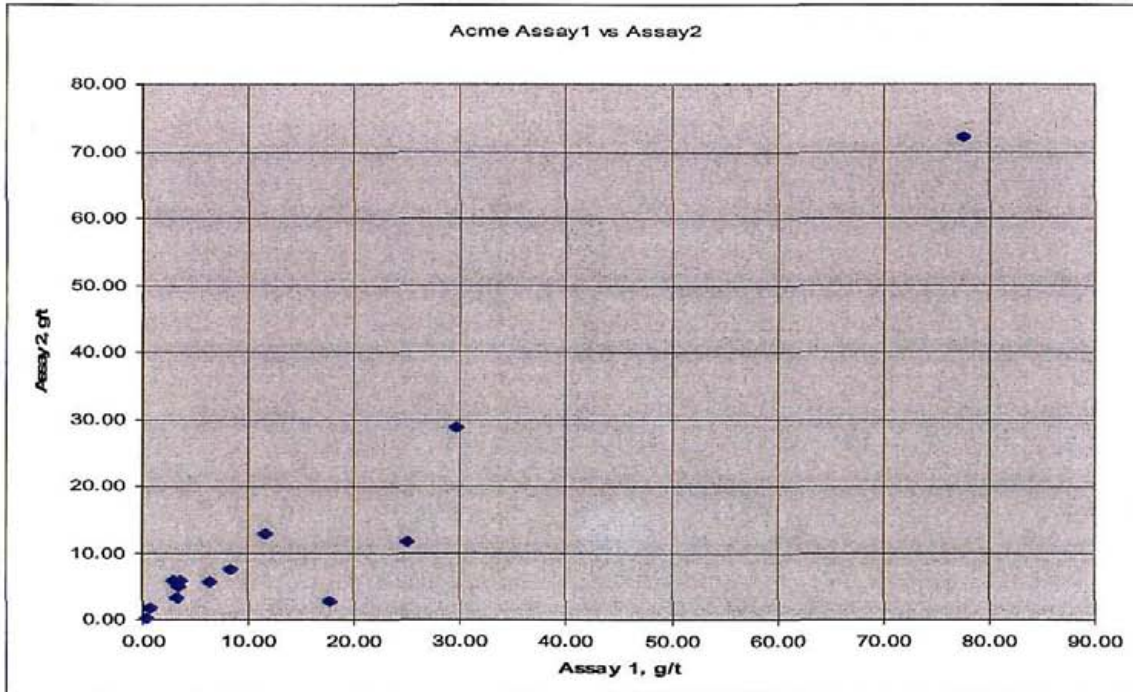


Figure 8: 2006 Acme vs Acme blind rerun sample gold check assays g/t.

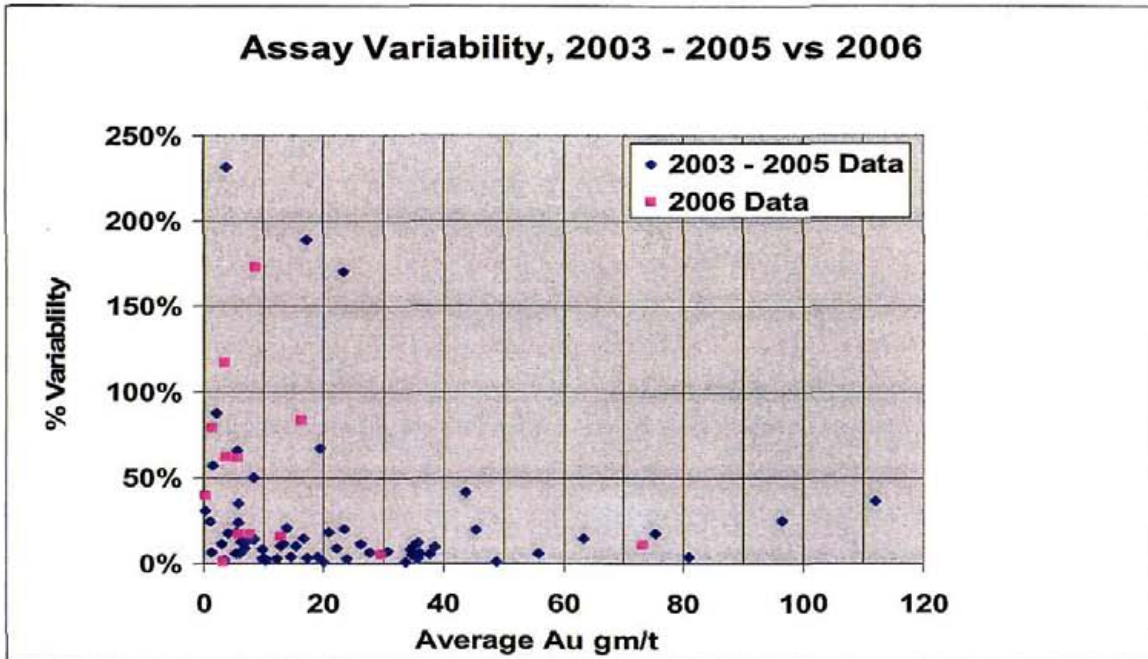


Figure 9: Acme vs Chemex gold check assay sample variability.

Table 9 ELK DRILL CHECK SAMPLE SUMMARY							
Fire Assay							
	Acme	Chemex	Acme Blind				Avg Au gm/t
SAMPLE #	Au gm/t	Au gm/t	Rerun Au gm/t	Average	% Variability		x % Var
SND06453-17	17.82	5.34	2.80	8.59	172.6%		14.82
SND06454-16	77.83	69.80	72.18	73.20	10.7%		7.83
SND06478-13	29.65	30.30	28.79	29.58	5.1%		1.51
SND06487-5	11.62	13.60	12.90	12.71	15.6%		1.98
SND06492-23	0.28	0.29	0.19	0.25	39.5%		0.10
SND06502-11	3.39	2.74	5.03	3.72	61.6%		2.29
SND06502-14	25.11	11.85	11.66	16.21	83.0%		13.45
SND06502-25	3.26	3.26	3.23	3.25	0.9%		0.03
SND06503-6	3.66	7.04	5.88	5.53	61.2%		3.38
SND06503-11	8.36	7.08	7.49	7.64	16.7%		1.28
SND06503-13	0.69	1.45	1.69	1.28	78.3%		1.00
SND06503-17	2.87	1.78	5.86	3.50	116.5%		4.08
SND06503-19	6.45	5.47	5.66	5.86	16.7%		0.98
SND06453-17	Average of 29.79, 5.45 g/t = 17.62						
SND06454-16	Average of 100.51, 68.82, 63.56 g/t = 77.63						
SND06502-14	Average of 37.83, 12.39 g/t = 25.11						
SND06503-6	Average of 6.58, 5.18 g/t = 5.88						

LIST OF PERSONNEL & CONTRATORS

PERSONNEL:	Position	Field Dates Worked
T. Archibald Saanichton, B.C.	Drill technician, Soil Sampler	Sept 21 – Oct. 28, 2006
J. Danielson Burnaby, B.C.	Soil sampler, Drill technician	June 5 – Aug 24, 2006
J. Hylands West Vancouver, B.C.	Geologist, Core logger	Aug 17 – Aug 24, 2006
W. Jakubowski Vancouver, B.C.	Geologist, Project Manager	June 5 – Oct. 28, 2006
E. Janckova Whistler, B.C.	Cook	June 5 – Oct.27, 2006
J. MacLean Burnaby, B.C.	Geologist Core logger	June 5 – Oct.28, 2006
J. Rhajiak Delta, B.C.	Soil Sampler Drill Technician	June 5 – Aug 17, 2006
F. Shirmohammad North Vancouver	Soil Sampler, Core logger	June 5 – Oct. 28, 2006
B. Sullivan Vancouver, B.C.	Drill technician	Sept 28 – Oct. 28, 2006
CONTRACTORS	Position	Dates Worked
RJ Beaupre Drilling Ltd. Princeton, B.C.	Diamond Drilling	4 men: July. 9 – Oct 25, 2006
Leclerc Diamond Drilling Ltd Cranbrook, B.C.	Diamond Drilling	4 men: Sept. 26 – Oct 24, 2006
Wiltech Developments Westbank, B.C.	Drill Site Prep, Reclamation and Road Construction Caterpillar 320 Excavator	1 man: 9 days June 7– Sept 29, 2006
Haul-Rite Transports Ltd. Merritt, B.C.	Logging JD Grapple Skidder Caterpillar 966 Loader	3 men: Aug 2-11, 2006

8.0 STATEMENT OF QUALIFICATIONS

I, Wojtek Jakubowski, of Vancouver, British Columbia, hereby certify that:

1. I am a professional geoscientist residing at #303 639 West 14th Avenue and employed by Almaden Minerals Ltd. of 1103 - 750 West Pender Street, Vancouver, B.C., V6C 2T8.
2. I received a B.Sc. degree in Geological Sciences from McGill University, Montreal, Quebec in 1979.
3. I have practiced my profession for 29 years in Quebec, Northwest Territories, Yukon Territory, British Columbia and Mexico.
4. I am a member of the Association of Professional Engineers and Geoscientists of the province of British Columbia, registration number 19563.
5. I am the author of this report and the supervisor of the field work conducted on the ELK mineral claims by Almaden Minerals Ltd. during the period June 5, 2006 to October 28, 2006.

ALMADEN MINERALS LTD.



Wojtek Jakubowski, B.Sc., P. Geo

9.0

STATEMENT OF COSTS

Elk Property 2006 Diamond Drill Program Cost Summary

DIAMOND DRILLING			Rate \$	Total	
Mob Demob				\$5,000	
Drill Site Prep and Reclamation Cat320	112.5	hr@	\$152.05	\$17,106	
Diamond Drill Holes Leclerc Drilling	1994.3	m@	\$95.08	\$189,622	
Diamond Drill Holes RJ Beaupre Drilling	6878.9	m@	\$72.14	\$496,240	
Downhole and Surface Survey Equip	4	mo@	\$2,150	\$8,600	\$716,568
SAMPLE ASSAY AND ANALYSIS			Rate \$	Total	
Drill Core Au,Ag Metallics 500gm(6)	41	smp@	\$23.89	\$979	
Drill Core Au, Ag FA1AT(8)	1155	smp@	\$14.75	\$17,036	
Drill Core 35 el ICP(1DX)	1166	smp@	\$9.61	\$11,205	
Drill Core Au 15gm (3A)	227	smp@	\$6.72	\$1,525	
Sample Prep Au, Ag Metallics	41	smp@	\$7.14	\$293	
Sample Prep Au, Ag FA1AT	1277	smp@	\$4.80	\$6,130	\$37,169
PERSONNEL			Rate \$	Total	
Geologist - Supervisor Feb - Oct	178	days@	\$323.00	\$57,494	
Geologist - Core logger June - Oct JM	111	days@	\$250.00	\$27,750	
Geologist - Core logger June - Oct FS	67	days@	\$220.00	\$14,740	
Drill Technician JR	36	days@	\$200.00	\$7,200	
Drill Technician JJH	8	days@	\$300.00	\$2,400	
Drill Technician JD	4	days@	\$200.00	\$800	
Drill Technician TA	33	days@	\$350.00	\$11,550	
Drill Technician BS	27	days@	\$350.00	\$9,450	
Cook	120	days@	\$250.00	\$30,000	\$161,384
GENERAL EXPENSES			Rate \$	Total	
Equipment and supplies				\$12,621	
Road Maintenance and Logging				\$9,060	
Accomodation				\$1,500	
Food	548	days@	\$27.08	\$14,838	
Truck rental	120	days@	\$74.25	\$8,910	
Fuel				\$3,300	
Freight				\$1,295	
Reclamation				\$482	
Office supplies and printing				\$1,053	
Recording fees				\$11,792	
Telephone and postage				\$8,068	
Travel				\$2,040	\$74,959
				TOTAL:	\$990,080

GEIGER, A.K.:

2000: A Fluid Inclusion Study and Geostatistical Analysis of Vein Mineralisation in the Siwash North Study Area, South Central British Columbia. UBC Undergraduate Thesis

MONGER, J.W.H.:

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PANTLELEYEV, A.:

1986: Ore Deposits #10. A Canadian Cordilleran Model for Epithermal Gold Silver Deposits; Geoscience Canada, Vol. 13, No. 12, pp. 101-111.

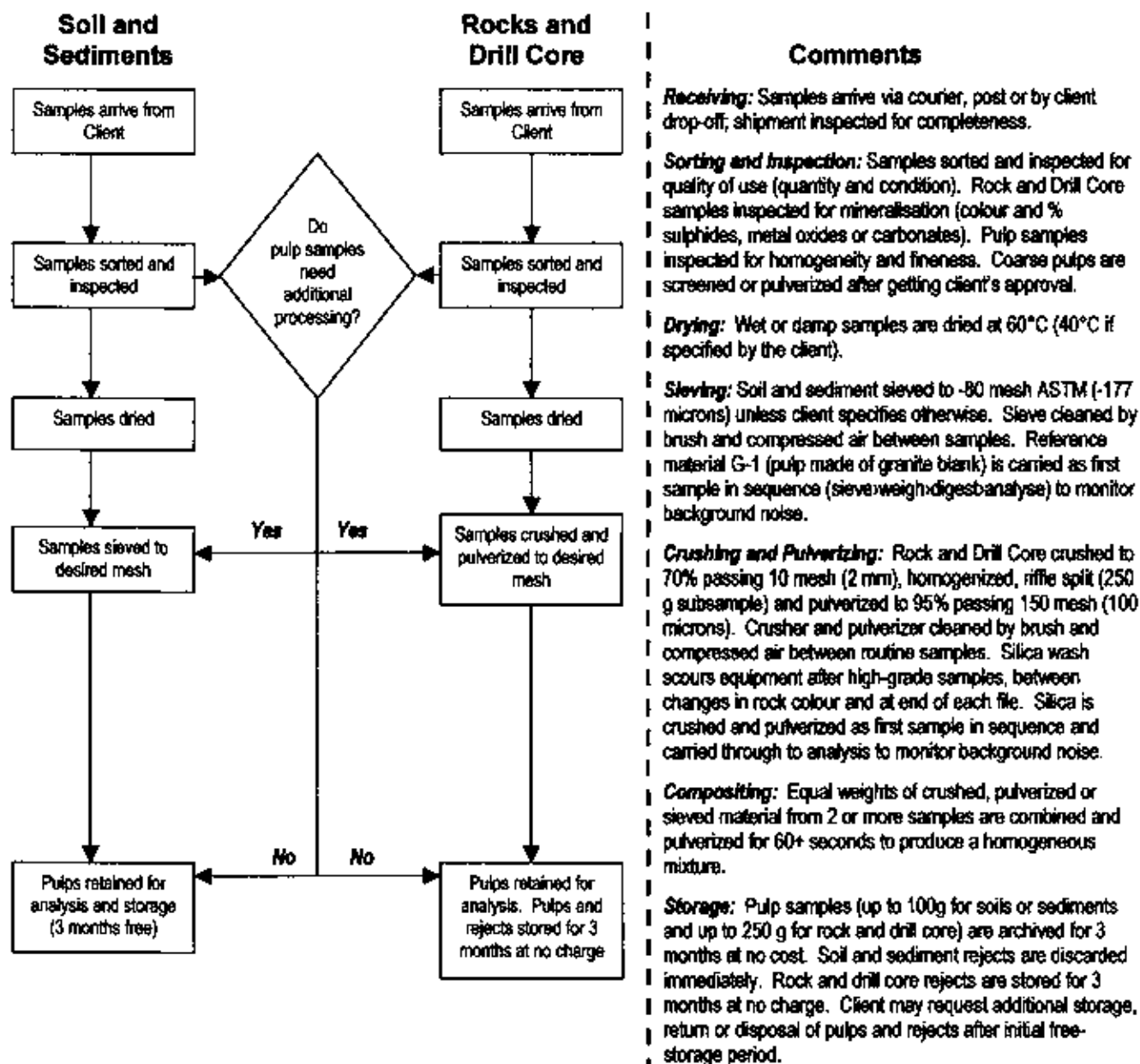
RICE, H.M.A.:

1947: Geology and Mineral Deposits of the Princeton Map Area, British Columbia; G.S.C., Memoir 243.

Appendix "A"

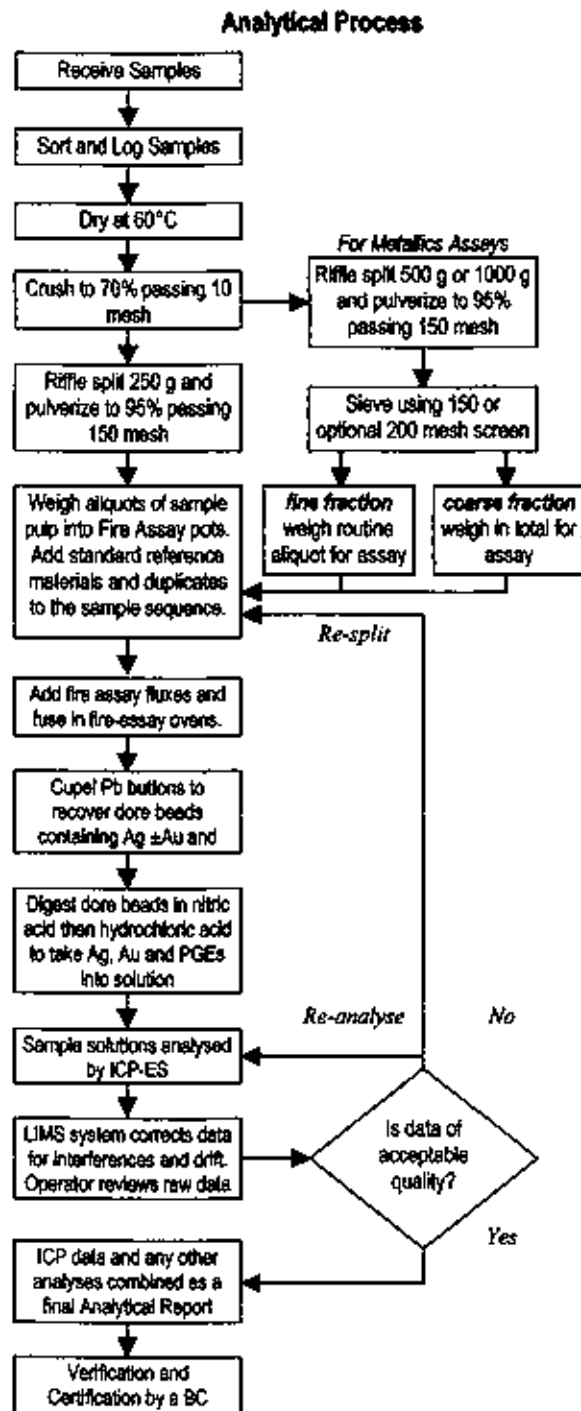
Assay and Analytical Results from Core Samples

General Sample Preparation Methods





METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 6 – PRECIOUS METALS ASSAY



Comments

Sample Preparation

Rock and drill core are jaw crushed to 70% passing 10 mesh (2 mm), a 250 g riffle split is then pulverized to 95% passing 150 mesh (100 µm) in a mild-steel ring-and-puck mill. One assay ton aliquots (29.2 g) are weighed into fire assay crucibles. Option for 2 assay-ton aliquots is available on request. Smaller aliquots of ¼ or ½ assay ton may be required with difficult ore matrices.

Metallics Assay: A 500 g reject split (or optional 1000 g) is pulverized to 95% passing 150 mesh. Screening the pulp gives a fine and coarse fraction (containing any coarse gold) for assaying.

Sample Digestion

The sample aliquot is custom blended with fire assay fluxes, PbO litharge and a Ag inquant. Firing the charge at 1050°C liberates Au ± PGEs that report to the molten Pb-metal phase. After cooling the Pb button is recovered placed in a cupel and fired at 950°C to render a Ag ± Au ± PGEs dore bead. The bead is weighed and parted (i.e. leached in 1 mL of hot HNO₃) to dissolve Ag leaving a Au sponge. Adding 10 mL of HCl dissolves the Au ± PGE sponge. A Rh fire assay requires inquanting with Au.

Sample Analysis

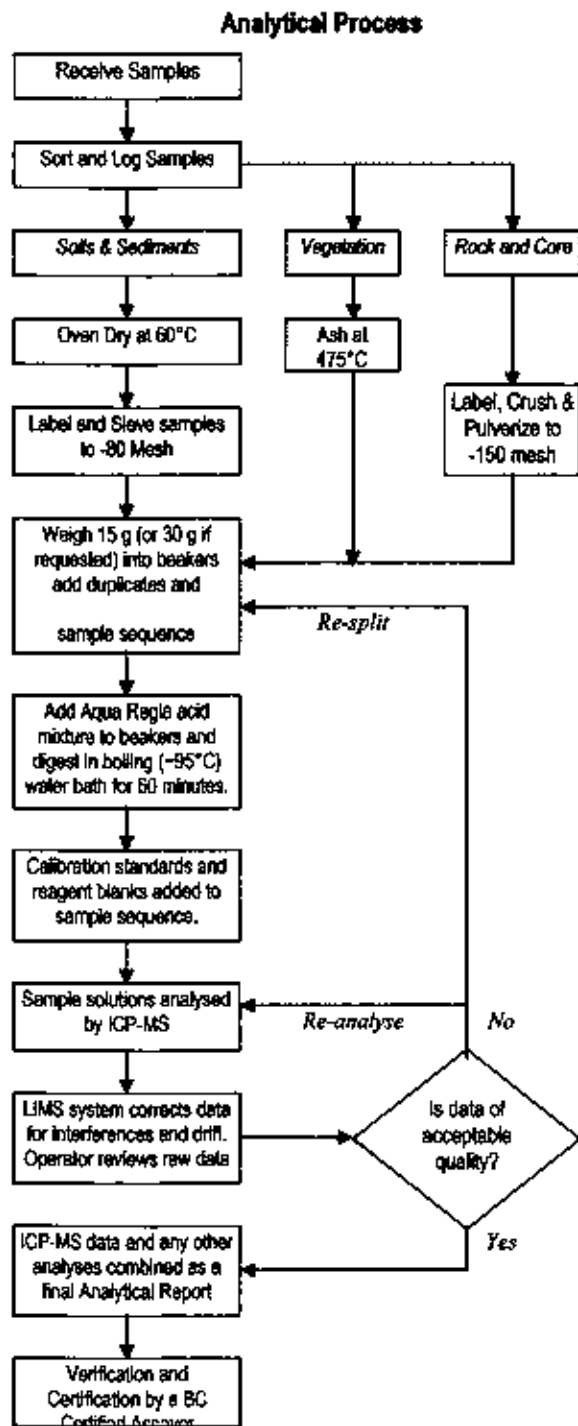
Solutions are analysed for Ag, Au, Pt, Pd and Rh on a Jarrel-Ash Atomcomp model 975 ICP emission spectrometer. Au in excess of 30 g/t forms a large sponge that can be weighed (gravimetric finish). Ag in excess of 300 g/t is reported from the fire assay solution otherwise a separate split is digested in aqua regia and analysed by ICP-ES.

Metallics Assay: The coarse fraction is assayed in total. An aliquot of the fine fraction is assayed. Results report the total Au in the coarse fraction, the fine-fraction Au concentration and a weighted average Au concentration for the entire sample.

Quality Control and Data Verification

An Analytical Batch (1 page) comprises 34 samples. QA/QC protocol incorporates a sample-prep blank (SI or G-1) as the first sample carried through all stages of preparation to analysis, a pulp duplicate to monitor analytical precision, a -10 mesh rejects duplicate to monitor sub-sampling variation (drill core only), two reagent blanks to measure background and aliquots of Rocklabs Certified Reference Materials like Oxd.34 to monitor accuracy. Raw and final data undergo a final verification by a British Columbia Certified Assayer who signs the Analytical Report before it is released to the client. Chief Assayer is Clarence Leong, other certified assayers are Leo Arclaga, Ken Kwok, Marcus Lau, Dean Toye and Jacky Wang.

METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 3A - AU BY WET EXTRACTION



Comments

Sample Preparation

All samples are dried at 60°C. Soil and sediment are sieved to -80 mesh (-177 µm). Moss-mats are disaggregated then sieved to yield -80 mesh sediment. Vegetation is pulverized or ashed (475°C). Rock and drill core is jaw crushed to 70% passing 10 mesh (2 mm), a 250 g riffle split is then pulverized to 95% passing 150 mesh (100 µm) in a mild-steel ring-and-puck mill. Pulp splits of 15 and 30 g splits are weighed into beakers.

Sample Digestion

A modified Aqua Regia solution of equal parts concentrated ACS grade HCl and HNO₃ and de-mineralised H₂O is added to each sample to leach for one hour in a hot water bath (>95°C). After cooling the solution is made up to final volume with 5% HCl. Sample weight to solution volume is 1 g per 20 mL.

Sample Analysis

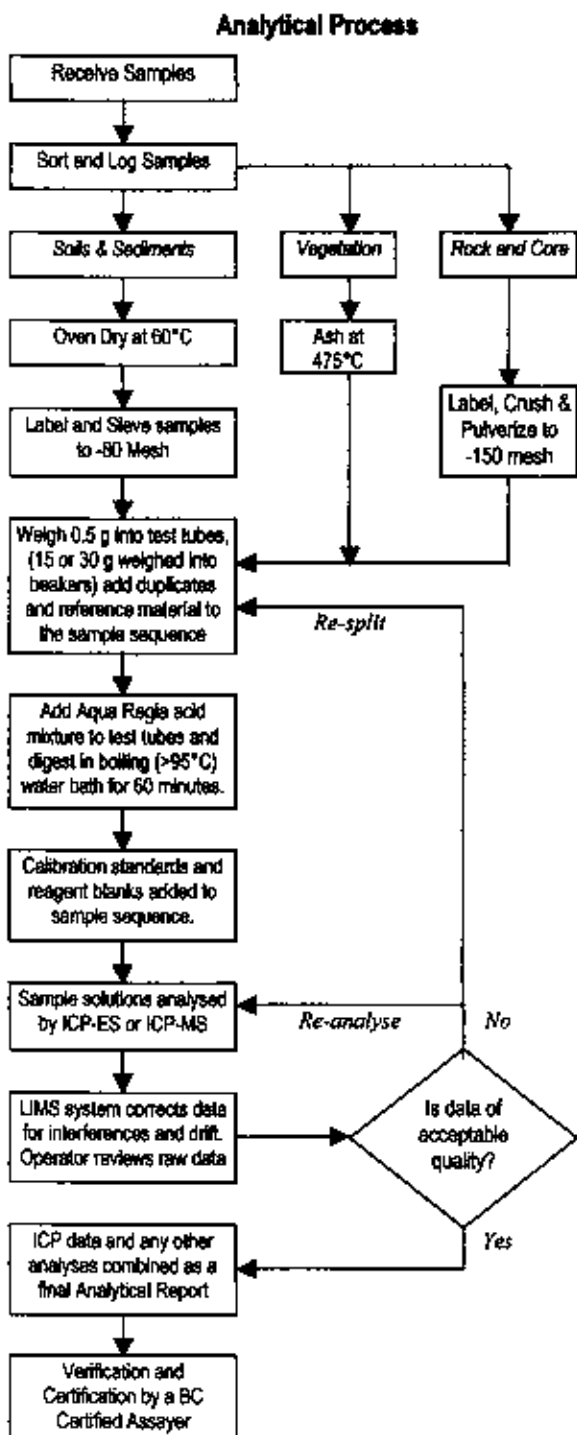
Solutions are aspirated into a Perkin Elmer Elan 6000 ICP mass spectrometer for the determination of Au.

Quality Control and Data Verification

An Analytical Batch (1 page) comprises 34 samples. QA/QC protocol incorporates a sample-prep blank (SI or G-1) carried through all stages of preparation and analysis as the first sample, a pulp duplicate to monitor analytical precision, a -10 mesh rejects duplicate to monitor sub-sampling variation (drill core only), two reagent blanks to measure background and aliquots of in-house Standard Reference Materials like STD Au-S (soil and sediment samples) or STD Au-R (rock and drill core samples) to monitor accuracy.

Raw and final data undergo a final verification by a British Columbia Certified Assayer who signs the Analytical Report before it is released to the client. Chief Assayer is Clarence Leong, other certified assayers are Dean Toye, Jacky Wang and Ken Kwock.

METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 1D & 1DX – ICP & ICP-MS ANALYSIS – AQUA REGIA



Comments

Sample Preparation

All samples are dried at 60°C. Soil and sediment are sieved to -80 mesh (-177 µm). Moss-mats are disaggregated then sieved to yield -80 mesh sediment. Vegetation is pulverized or ashed (475°C). Rock and drill core is jaw crushed to 70% passing 10 mesh (2 mm), a 250 g riffle split is then pulverized to 95% passing 150 mesh (100 µm) in a mild-steel ring-and-puck mill. Pulp splits of 0.5 g are weighed into test tubes, 15 and 30 g splits are weighed into beakers.

Sample Digestion

A modified Aqua Regia solution of equal parts concentrated ACS grade HCl and HNO₃ and de-mineralised H₂O is added to each sample to leach for one hour in a hot water bath (>95°C). After cooling the solution is made up to final volume with 5% HCl. Sample weight to solution volume is 1 g per 20 mL.

Sample Analysis

Group 1D: solutions aspirated into a Jarrel Ash AtomComp 800 or 975 ICP or Spectro Ciros Vision emission spectrometer are analysed for 30 elements: Ag, Al, As, Au, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sr, Th, Ti, U, V, W, Zn.

Group 1DX: solutions aspirated into a Perkin Elmer Elan 6000/9000 ICP mass spectrometer are analysed for 36 elements: Ag, Al, As, Au, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, Hg, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Sc, Se, Tl, Sr, Th, Ti, U, V, W, Zn.

Quality Control and Data Verification

An Analytical Batch (1 page) comprises 33 samples. QA/QC protocol incorporates a sample-prep blank (SI or G-1) carried through all stages of preparation and analysis as the first sample, a pulp duplicate to monitor analytical precision, a -10 mesh rejects duplicate to monitor sub-sampling variation (drill core only), two reagent blanks to measure background and aliquots of in-house Standard Reference Materials like STD DS6 to monitor accuracy.

Raw and final data undergo a final verification by a British Columbia Certified Assayer who signs the Analytical Report before it is released to the client. Chief Assayer is Clarence Leong, other certified assayers are Leo Arciaga, Marcus Lau, Ken Kwok and Jacky Wang.



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

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To: ALMADEN MINERALS LTD.

1103-750 W PENDER ST

VANCOUVER BC V6C 2T8

Page: 2 - A

Pages: 2 (A)

Finalized Date: 9-MAR-2007

Account: PFM

CERTIFICATE OF ANALYSIS VA07021020

Sample Description	Method Analyte Units LOR	WEI-21	ME-GRA22	ME-GRA22
		Recvd Wt. kg	Au ppm	Ag ppm
		0.02	0.05	5
SND06503-6		0.22	7.04	7
SND06503-19		0.20	5.47	20
SND06503-17		0.22	1.78	18
SND06503-13		0.22	1.45	11
SND06503-11		0.24	7.08	11
SND06502-25		0.20	3.26	12
SND06502-14		0.40	11.85	35
SND06502-11		0.20	2.74	7
SND06492-23		0.20	0.28	<5
SND06487-5		0.80	13.80	77
SND06478-13		1.00	30.3	54
SND06454-16		0.50	69.8	161
SND06453-17		0.50	5.34	9

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT ELK06-3 File # A603972

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski



Table with columns: SAMPLE#, Mo, Cu, Pb, Zn, Ag, Sr, Co, Mn, Fe, As, U, Au, Tl, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Tl, B, Al, Na, K, W, Hg, Se, Pb, Tl, S, Ga, Se. Rows include sample IDs like SED446-6, SED447-4, SED447-12, SND450-20, etc.

GROUP 10X - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.

(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY

- SAMPLE TYPE: DRILL CORE R150 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

08-05-2006 Pu2:58

Data FA DATE RECEIVED: JUL 21 2006 DATE REPORT MAILED:



All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

ASSAY CERTIFICATE

Almaden Minerals Ltd. PROJECT ELK06-3 File # A603972

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski



SAMPLE#	Ag** gm/mt	Au** gm/mt	Sample gm
G-1	<2	<.01	29.2
SED446-6	2	.08	29.2
SED447-4	4	.55	29.2
SED447-12	3	.20	29.2
SND450-20	7	2.95	29.2
SND450-21	5	4.27	29.2
SND450-23 (pulp)	6	34.28	7.5
SND450-26	3	.34	29.2
SND450-27	7	2.22	29.2
SND450-29	2	.55	29.2
SND450-30	<2	.10	29.2
SND450-31	2	.25	29.2
SND450-34	<2	.35	29.2
SND450-38	<2	.07	29.2
SND450-39	2	.83	29.2
SND450-40	5	.75	29.2
SND450-41	6	.75	29.2
SND450-43 (pulp)	6	8.78	7.5
SND450-44	<2	.10	29.2
SND450-46	<2	<.01	29.2
SND451-3	3	14.32	29.2
SND451-5	2	.16	29.2
SND451-11	<2	.97	29.2
SND451-12	<2	<.01	29.2
SND451-13 (pulp)	6	9.19	7.5
SND451-14	2	1.63	29.2
SND451-15	8	2.89	29.2
SND451-17	20	4.56	29.2
SND451-19	<2	.06	29.2
SND451-20	<2	.12	29.2
SND451-21	<2	.22	29.2
RE SND451-21	<2	.21	29.2
RRE SND451-21	<2	.22	29.2
STANDARD R-2a/OxL34	153	5.75	29.2

GROUP 6 - PRECIOUS METALS BY FIRE ASSAY FROM 1 A.T. SAMPLE, ANALYSIS BY ICP-ES.
- SAMPLE TYPE: DRILL CORE R150
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data # FA _____ DATE RECEIVED: JUL 21 2006 DATE REPORT MAILED:





GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT ELK06-3 File # A603973 Page 1

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	Au* ppb	Sample gm
G-1	<.5	30
SED446-1	.8	30
SED446-2	<.5	30
SED446-3	2.6	30
SED446-4	1.7	30
SED446-5	42.5	30
SED446-7	5.8	30
SED446-8	4.9	30
SED446-9	1429.9	30
SED446-10	7.8	30
SED446-11	8.2	30
SED446-12	9.3	30
SED446-13	.8	30
SED446-14 (pulp)	9619.4	5
SED447-1	18.3	30
SED447-2	5.5	30
SED447-3	66.5	30
SED447-5	22.1	30
SED447-6	27.4	30
SED447-7	2.3	30
SED447-8 (pulp)	9627.1	5
SED447-9	855.0	30
SED447-10	3510.0	30
SED447-11	63.1	30
SED447-13	26.1	30
SND450-1	7.0	30
SND450-2	27.1	30
SND450-3	306.2	30
SND450-4	97.0	30
SND450-5	25.9	30
SND450-6	165.9	30
RE SND450-6	138.6	30
RRE SND450-6	113.9	30
SND450-7	651.2	30
SND450-8	222.6	30
STANDARD AU-R	463.5	30

AU* GROUP 3A - IGNITED, ACID LEACHED, ANALYZED BY ICP-MS. (30 gm)
 - SAMPLE TYPE: DRILL CORE R150
 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



Data FA _____ DATE RECEIVED: JUL 21 2006 DATE REPORT MAILED: _____



SAMPLE#	Au* ppb	Sample gm
G-1	<.5	30
SND450-9	35.5	30
SND450-10	8.8	30
SND450-11	2444.2	30
SND450-12	250.9	30
SND450-13	117.7	30
SND450-14	36.6	30
SND450-15	271.0	30
SND450-16	866.9	30
SND450-17	1057.2	30
SND450-18	193.3	30
SND450-19	462.1	30
SND450-22	1.4	30
SND450-24	1212.6	30
SND450-25	663.7	30
SND450-28	341.5	30
SND450-32	7011.4	30
SND450-33	132.2	30
RE SND450-33	130.1	30
RRE SND450-33	214.0	30
SND450-35	19.9	30
SND450-36	20.8	30
SND450-37	16.1	30
SND450-42	<.5	30
SND450-45	3.9	30
SND450-47	10.0	30
SND450-48	28.7	30
SND451-1	14.4	30
SND451-2	20.9	30
SND451-4	67.8	30
SND451-6	2370.9	30
SND451-7	215.2	30
SND451-8	898.0	30
SND451-9	193.5	30
SND451-10	116.0	30
STANDARD AU-R	458.0	30

Sample type: DRILL CORE R150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Au* ppb	Sample gm
G-1	<.5	30
SND451-16	34.7	30
SND451-18	21.2	30
SND451-22	33.8	30
SND451-23	91.0	30
STANDARD AU-R	445.4	30

Sample type: DRILL CORE R150.

GEOCHEMICAL ANALYSIS CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-6 File # A604662
1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se						
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm						
G-1	.2	2.5	3.6	47	<1	3.9	4.1	563	2.14	<5	2.2	<.5	3.7	81	<.1	<.1	.1	41	.64	.077	8	8	62	206	153	2.1	25	143	55	.1	.61	2.4	.3	<.05	5	<5						
SED448-2	2.3	75.3	123.5	144	1.8	80.0	19.6	795	2.44	51.5	19.1	121.9	6.7	80	1.1	6.9	1.0	18	.41	.158	23	33	.29	55	.001	6	.55	.027	.29	1	.03	2.8	.2	1.09	1	<5						
SED448-6	1.4	13.6	33.7	64	.6	1.6	1.6	508	1.21	2.1	2.9	512	2	7.6	9	.3	.1	.3	11	.10	.025	19	8	.09	59	.022	2	.45	.067	.26	1	<.01	1.1	.2	12	2	<5					
SED448-7	1.7	20.3	31.6	87	.3	2.7	1.8	388	1.04	1.7	7.3	25.6	7.8	12	.3	.2	.2	8	.11	.023	18	8	.06	33	.002	1	.39	.036	.18	1	<.01	.9	.1	.35	1	<5						
SED448-9	3.0	20.3	583.7	103	13.9	3.5	15.0	184	9	16	59	7	12.7	1426.1	6.0	5	1.6	1.3	5.9	3	.06	.017	7	4	.02	8	.001	1	.34	.008	.23	.5	.01	3	.2	9.22	1	1.1				
SED448-10	1.5	5.7	4.8	30	.1	1.9	1.7	792	1.24	1.7	3.6	43.4	10.1	7	.1	.2	.1	10	.11	.024	20	9	.10	77	.016	1	.34	.062	.18	1	<.01	1.0	.1	.13	2	<5						
SED449-11	1.8	11.5	170.9	560	3.6	1.9	2.4	316	1.67	5.1	4.2	463.3	9.2	4	6.2	1	3.4	3	.07	.027	10	5	.04	42	.001	2	.37	.006	.32	3	.03	4	.1	1.28	1	<5						
SND452-1	2.4	5.7	28.0	53	.3	4.8	3.6	758	1.80	15.6	5.7	73.7	9.4	3	.2	.2	.2	2	.08	.026	10	7	.04	34	.001	4	.35	.024	.27	1	<.01	5	.1	.88	1	<5						
SND452-2	2.7	179.3	75.4	28	2.1	2.2	2.1	112	3.23	124.5	3.6	375.4	8.6	3	.6	1.8	.2	2	.06	.023	13	5	.04	27	.001	2	.54	.006	.42	4	<.01	.2	1	3.04	2	<5						
SND452-3	1.6	82.1	48.3	76	.7	3.0	1.4	449	1.39	43.9	2.6	152.5	8.8	5	.5	1.1	<.1	4	.06	.022	11	7	.04	45	.001	2	.36	.020	.29	2	<.01	.6	.1	.60	1	<5						
SND452-4	1.6	125.6	104.5	82	1.5	2.2	2.5	465	2.76	77.6	2.7	832.1	9.1	8	1.1	1.3	.2	3	.06	.021	9	5	.03	54	.001	2	.47	.031	.33	3	<.01	.6	.1	2.05	1	<5						
RE SND452-4	1.6	124.0	106.8	82	1.9	2.4	2.5	464	2.71	80.4	2.8	1335.8	9.4	8	1.1	1.4	.2	3	.06	.021	9	5	.03	51	.001	2	.46	.031	.33	2	<.01	.6	.2	2.03	1	<5						
RRE SND452-4	1.9	124.9	109.5	78	2.1	2.9	2.2	454	2.47	74.0	2.4	1807.2	8.1	7	1.0	1.4	.2	2	.06	.021	8	5	.03	47	.001	1	.36	.023	.25	2	<.01	.6	.1	1.89	1	<5						
SND452-6	1.8	653.2	248.0	121	15.4	1.5	1.7	695	3.65	127.9	2.8	6554.4	8.1	3	1.7	.7	6.5	2	.07	.022	7	6	.05	33	.001	<1	.42	.006	.35	3	<.01	4	.1	2.37	1	<5						
SND452-8	2.2	151.1	107.7	109	4.6	2.9	1.7	689	2.09	31.5	2.9	3251.2	8.0	7	.7	.3	2.8	3	.07	.023	9	5	.05	52	.001	1	.38	.011	.28	3	.01	.6	2	.84	1	<5						
SND452-9	1.5	221.8	114.2	129	2.1	1.7	1.7	639	2.85	83.3	2.4	85.6	8.3	3	1.5	.5	.4	2	.06	.021	8	7	.07	35	.001	<1	.48	.009	.36	7	<.01	.4	1	1.46	1	<5						
SND452-12	.9	8.0	4.2	37	<.1	1.5	3.5	747	2.51	1.4	2.5	<.5	6.1	19	.1	.2	<.1	28	.82	.077	14	4	.36	120	.109	1	.73	.091	.23	1	<.01	2.1	.1	<.05	4	<5						
SND452-13(not rec'd)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
STANDARD DS7	20	7	106	6	68.3	402	.9	56.0	9.7	623	2.37	47.1	4.8	55.6	4	3	70	6.3	5.6	4.5	83	.92	.079	12	175	1.04	373	118	38	.97	.076	.46	3	8	.20	2	6	4	2	.20	5	3.6

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: DRILL CORE R150 Samples beginning 'RE' are Retruns and 'RRE' are Reject Retruns.

Data 6 FA _____ DATE RECEIVED: AUG 1 2006 DATE REPORT MAILED: _____



ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-6 File # A604662
1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	3	<.01
SED448-2	3	.14
SED448-6	<2	.21
SED448-7	2	.18
SED448-9	18	1.27
SED448-10	<2	.02
SED449-11	4	1.04
SND452-1	<2	.10
SND452-2	3	.29
SND452-3	<2	.08
SND452-4	3	1.16
RE SND452-4	2	1.17
RRE SND452-4	<2	1.23
SND452-6	12	4.61
SND452-8	7	3.28
SND452-9	3	.16
SND452-12	<2	.01
SND452-13(not rec'd)	-	-
STANDARD R-2a/OxL34	158	5.72

GROUP 6 - PRECIOUS METALS BY FIRE ASSAY FROM 1 A.T. SAMPLE, ANALYSIS BY ICP-ES.
- SAMPLE TYPE: DRILL CORE R150
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data 6 FA _____

DATE RECEIVED: AUG 1 2006 DATE REPORT MAILED:



GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT ELK06-6 File # A604663

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski



SAMPLE#	Au* ppb
G-1	<.5
SED448-1	37.3
SED448-3	414.8
SED448-4	10.6
SED448-5	54.6
SED448-8	36.7
SED449-1	7.7
SED449-2	438.6
SED449-3	30.4
SED449-4	268.7
SED449-5	240.1
RE SED449-5	235.3
RRE SED449-5	245.7
SED449-6	76.5
SED449-7 (not rec'd)	-
SED449-8	59.5
SED449-9	54.2
SED449-10	11.2
SED449-12	6.9
SED449-13	29.0
SED449-14	48.2
SND452-5	197.8
SND452-7	29.7
SND452-10	79.8
SND452-11	77.0
SND452-14	245.3
STANDARD AU-R	473.8

AU* GROUP 3A - IGMITED, ACID LEACHED, ANALYZED BY ICP-MS. (30 gm)

SAMPLE TYPE: DRILL CORE R150

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data 1 FA

DATE RECEIVED: AUG 1 2006 DATE REPORT MAILED:





GEOCHEMICAL ANALYSIS CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-7 File # A604784

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Hg	Co	Mn	Fe	As	U	Au	Th	Sr	Cl	Se	Bi	V	Ca	P	La	Cr	Hg	Ba	Bi	B	Al	Na	K	Mg	Sr	Li	S	Ga	Se							
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm							
G-1	1	1.7	3.5	47	<1	3.4	4.1	492	1.75	<5	1.8	<5	3.7	57	<1	<1	1	32	56	0.76	3	6	.66	195	123	9	89	560	48	1	<0.1	1.9	4	<0.5	5	<5						
SM0452-13 (a)	22.6	60.4	402.4	53	4.5	1216	0.31	5	370	2.17	53.0	4	34294	4.29	17	1	4	4.7	29	45	0.32	12	1435	59	135	044	11	93	044	27	14	6	52	2.1	1	<0.5	3	<5				
SM0453-5	1.0	5.8	5.8	23	<1	9	2.3	490	86	196	3	4.6	32.0	7.9	4	2	2	<1	4	0.0	0.24	17	4	0.7	44	005	6	23	0.24	.16	1	<0.1	6	1	0.8	1	<5					
SM0453-6	8	8.9	41.0	51	3	8	1.4	372	66	4.5	2.8	6.3	1.7	3	9	1	1	3	11	0.24	14	3	0.4	88	002	3	23	0.20	21	5	<0.1	5	1	1.2	1	<5						
SM0453-12 (a)	15.7	335.8	319.9	359	4.6	104.9	25.1	489	3.36	189	7	1.3	9138	1	2.0	42	2	8	16	3	4.2	46	1	16	041	5	376	49	59	0.54	10	99	0.52	35	6	7	37	1.9	7	1.31	3	1.5
SM0453-13	1.4	42.6	25.0	77	.7	5	1.2	456	80	13.8	3.2	527	5	7.1	4	6	9	1	2	0.0	0.19	14	2	0.2	22	0.01	6	16	0.15	15	1.0	<0.1	4	2	2.0	4	<5					
SM0453-15	1.8	93.5	21.0	27	4	7	1.9	547	1.56	8.7	4.2	4.7	8.8	3	2	4	2	3	1.0	0.24	15	2	0.4	25	0.01	7	20	0.17	21	4	<0.1	5	1	4.7	1	<5						
SM0453-17	1.8	220.9	231.7	294	21.6	.5	2.4	526	2.57	38.3	4.5	31796	4	8.4	2	5.4	2	74.0	2	0.7	0.23	12	3	0.3	21	0.02	4	20	0.09	21	4	0.4	4	1	2.14	1	<5					
SM0453-20	1.5	93.2	81.7	137	4	6	1.2	742	1.12	17.4	3.9	35.6	6.7	3	1.9	2	2	2	0.7	0.23	10	3	0.2	25	0.01	6	20	0.09	22	4	<0.1	4	1	3.0	1	<5						
SM0453-21	1.6	161.7	120.4	25	1.8	6	2.9	98	2.49	59	1	3.0	173	8	5.4	1	3	5	1.5	1	0.4	0.16	4	5	0.1	24	0.01	5	18	0.05	23	5	0.1	1	<1	2.42	1	<5				
RE SM0453-21	1.5	174.2	122.8	25	2.6	.5	2.9	101	2.95	57	1	3.1	723	7	5.6	1	4	3	1.4	1	0.4	0.17	4	4	0.1	23	0.01	4	39	0.05	22	6	<0.1	1	<1	2.49	1	<5				
RE SM0453-21	1.4	189.9	128.6	27	4.4	8	3.1	106	2.57	60.8	3.5	3852	4	5.7	3	3	9	2.1	<1	0.4	0.18	4	5	0.1	26	0.01	4	21	0.05	25	6	0.2	2	1	2.47	1	<5					
SM0453-23	1.8	38.5	65.6	125	.3	6	1.2	922	1.31	73.9	2.8	12.6	8.0	3	6	2	3	2	0.7	0.20	12	2	0.3	22	0.01	6	16	0.12	17	3	<0.1	4	1	2.5	4	<5						
SM06454-8	1.6	31.3	189.3	132	1.6	2.8	4.2	236	1.62	19.4	21.4	149	5	8.9	5	2.6	3	2	0.9	0.24	12	3	0.3	26	0.01	4	22	0.13	21	3	5	0.2	4	1	3.37	1	<5					
SM06454-11	3.7	31.3	23.3	94	1	2.1	2.7	950	1.37	12.5	5.2	2.6	8.7	4	4	5	<1	4	0.9	0.27	20	3	0.7	42	0.13	6	25	0.27	23	2	0.1	8	2	1.2	1	<5						
SM06454-12	10.2	44.0	39.3	78	3	1.1	1.6	361	1.10	9.3	5.5	5.0	8.1	5	2	2	2	2	0.9	0.25	17	3	0.4	35	0.04	4	24	0.25	20	2	<0.1	6	1	4.3	1	<5						
SM06454-16	2.0	5773	9	1140	9	971	>100	1.9	20.4	275	14	48	158	7	9.4	>100000	4.9	3	13.9	2.6	181	7	<1	0.3	0.10	3	3	0.2	4	0.02	3	16	0.05	16	5	1.0	1	2.4	>10	<1	8	
SM06454-20	1.4	50.2	189.8	738	1.1	1.2	3.3	568	1.44	122.6	6.8	190.0	8.1	5	3.5	4.1	7	3	0.8	0.29	18	3	0.4	35	0.02	5	21	0.27	17	3	0.1	5	3	4.3	1	<5						
SM06454-24	1.9	25.9	28.9	52	5	7	1.8	464	88	1.7	2.5	140.0	10.9	5	4	1	1.0	4	0.8	0.20	18	3	0.6	37	0.05	8	19	0.33	15	1	0.3	7	1	<0.5	1	<5						
STANDARD 057	25.7	136.4	89.2	420	9	56.2	9.5	620	2.44	47.6	4.9	61.7	4.3	70	6.1	4.3	4.4	86	94	0.78	12	177	1	06	363	124	43	1	00	0.78	43	3	9	20	2	6	<0	20	5	1.6		

GROUP 10X - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: DRILL CORE R15D Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

DATE RECEIVED: AUG 8 2006 DATE REPORT MAILED: Apr 6 2006



ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-7 File # A604784
1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	.01
SND452-13 (pulp)	5	35.79
SND453-5	<2	.02
SND453-6	<2	.02
SND453-11 (pulp)	5	10.09
SND453-13	<2	.03
SND453-15	<2	.01
SND453-17	21	29.79
SND453-20	<2	.04
SND453-21	2	1.15
RE SND453-21	3	2.21
RRE SND453-21	4	4.32
SND453-23	<2	.03
SND6454-8	2	.63
SND6454-11	<2	.01
SND6454-12	<2	.01
SND6454-16	197	100.51
SND6454-23	3	.50
SND6454-24	<2	.34
STANDARD R-2a/SL20	147	5.99

GROUP 6 - PRECIOUS METALS BY FIRE ASSAY FROM 1 A.T. SAMPLE, ANALYSIS BY ICP-ES.
- SAMPLE TYPE: DRILL CORE R150
Samples beginning 'RE' are Retuns and 'RRE' are Reject Retuns.

Data 1 FA _____

DATE RECEIVED: AUG 8 2006 DATE REPORT MAILED: 09-04-06 P01:29 OUT



ASSAY CERTIFICATE




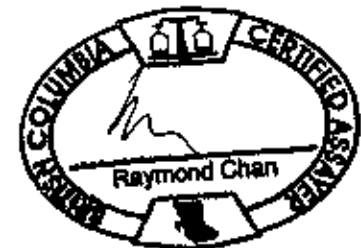
Almaden Minerals Ltd. PROJECT ELK06-7 File # A604784R
1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	S.Wt gm	NAu mg	-Au gm/mt	TotAu gm/mt
SND6454-16 STANDARD SL20	180	3.18	68.82	86.49
	-	-	5.93	5.93

-AU : -150 AU BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAU: AU DUPLICATED FROM -150 MESH. NAU - NATIVE GOLD, TOTAL SAMPLE FIRE ASSAY.
- SAMPLE TYPE: CORE REJECT M15

10-13-06 11:07 AM

Data FA  DATE RECEIVED: SEP 26 2006 DATE REPORT MAILED:



ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-7 File # A604784R2
 1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	S.Wt gm	NAu mg	-Ag gm/mT	TotAg gm/mT
SND453-17	584	2.54	89	93
SND6454-16	545	4.85	174	183
STANDARD SF-3	-	-	52	52

-AG : -150 AG BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAG: AG DUPLICATED FROM -150 MESH. NAG - NATIVE SILVER, TOTAL SAMPLE FIRE ASSAY.
 - SAMPLE TYPE: CORE REJ. #150

Method _____ Data _____ FA _____ DATE RECEIVED: DEC 15 2006 DATE REPORT MAILED: JAN 09 2007





ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-7 File # A604784R2

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	S.Wt gm	NAu mg	-Au gm/mt	TotAu gm/mt
SND453-17	584	8.65	5.45	20.26
SND6454-16	545	7.36	63.56	77.06
STANDARD SL20	-	-	6.26	6.26

-AU : -150 AU BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAU: AU DUPLICATED FROM -150 MESH. NAU - NATIVE GOLD, TOTAL SAMPLE FIRE ASSAY.
 - SAMPLE TYPE: CORE REJ. M150

Matts

Data FA DATE RECEIVED: DEC 15 2006 DATE REPORT MAILED: JAN 09 2007



ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-7 File # A604784R2
 1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	S. Wt gm	NAu mg	-Ag gm/mT	TotAg gm/mT
SND453-17	584	2.54	89	93
SND6454-16	545	4.85	174	183
STANDARD SF-3	-	-	52	52

-AG : -150 AG BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAG: AG DUPLICATED FROM -150 MESH. NAG - NATIVE SILVER, TOTAL SAMPLE FIRE ASSAY.
 * SAMPLE TYPE: CORE REJ. M150

Matto

Data FA DATE RECEIVED: DEC 15 2006 DATE REPORT MAILED:..... **JAN 09 2007**



ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-7 File # A604784R2
 1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	S. Wt gm	NAu mg	-Au gm/mt	TotAu gm/mt
SND453-17	584	8.65	5.45	20.26
SND6454-16	545	7.36	63.56	77.06
STANDARD SL20	-	-	6.26	6.26

-AU : -150 AU BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAU: AU DUPLICATED FROM -150 MESH. NAU - NATIVE GOLD, TOTAL SAMPLE FIRE ASSAY.
 - SAMPLE TYPE: CORE REJ. N150

Matto

Data PA DATE RECEIVED: DEC 15 2006 DATE REPORT MAILED: **JAN 09 2007**





GEOCHEMICAL ANALYSIS CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-7 File # A604785 Page 1

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	Au* ppb
G-1	<.5
SED449-7 (pulp)	33684.2
SND453-1	52.7
SND453-2	320.5
SND453-3	545.4
SND453-4	6294.5
SND453-7	115.4
SND453-8	16.1
SND453-9	5.5
RE SND453-9	6.6
RRE SND453-9	5.3
SND453-10	4.8
SND453-12	<.5
SND453-14	1.7
SND453-16	18.0
SND453-18	13.1
SND453-19	.7
SND453-22	351.3
SND453-24	5.5
SND453-25	825.5
SND6454-1	3.6
SND6454-2	4.3
SND6454-3	1.1
SND6454-4 (pulp)	33433.5
SND6454-5	16.3
SND6454-6	295.3
SND6454-7	152.2
SND6454-9	16.2
SND6454-10	45.5
SND6454-13	3.2
SND6454-14	13.8
SND6454-15	2.1
SND6454-17	5.2
SND6454-18	1038.3
SND6454-19	352.1
STANDARD AU-R	459.0

AU* GROUP 3A - IGNITED, ACID LEACHED, ANALYZED BY ICP-MS. (30 gm)
 - SAMPLE TYPE: DRILL CORE R150
 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



Data 6 FA _____ DATE RECEIVED: AUG 8 2006 DATE REPORT MAILED:



SAMPLE#	Au* ppb
G-1	4.6
SND6454-20	301.3
SND6454-21	1.8
SND6454-22 (pulp)	34290.2
SND6454-25	40.0
SND6454-26	126.7
STANDARD AU-R	465.3

Sample type: DRILL CORE R150.



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B %	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	.4	1.9	2.9	44	<.1	4.1	4.1	528	1.96	<.5	2.6	<.5	4.2	61	<.1	<.1	.1	35	.53	.073	7	7	.57	204	.129	1	.99	.088	.48	.3	<.01	2.0	.3	<.05	5	<.5
SND457-31	1.4	31.8	46.4	20	7.2	.4	2.6	307	1.63	47.0	2.2	4856.0	9.2	8	.3	.2	3.7	5	.20	.021	13	4	.08	24	.002	<1	.18	.023	.13	.1	.01	.8	.1	.91	1	<.5
SND457-32	1.0	118.6	50.6	102	2.8	.5	1.3	541	1.94	57.4	2.9	168.0	7.6	3	.3	2.0	1.8	3	.08	.019	11	4	.05	20	.001	<1	.17	.016	.14	.1	<.01	.5	.1	.74	1	<.5
SND457-33	1.1	279.3	84.3	101	3.3	.6	1.3	513	2.86	56.9	3.0	276.1	7.9	3	.5	.8	1.2	3	.08	.020	8	4	.05	21	.001	2	.19	.014	.17	.2	<.01	.5	.1	1.89	1	<.5
STANDARD DS7	20.7	108.1	70.7	408	1.0	56.2	9.6	624	2.39	48.3	5.0	87.8	4.3	69	6.3	5.8	4.5	83	.92	.078	11	172	1.05	369	.120	38	.97	.076	.44	3.8	.22	2.5	4.2	.21	4	3.7

Sample type: DRILL CORE R150.



ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-9 File # A605485 Page 1
 1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	.01
ELK06-R7 (rock)	<2	.01
ELK06-R8 (rock)	<2	.01
SND455-2	2	.13
SND455-3	2	.07
SND455-4	<2	.57
SND455-5	<2	3.97
SND455-8	2	.28
SND455-9	<2	.03
SND455-11	9	2.59
SND456-1	<2	.07
SND456-2	2	1.79
SND456-12	23	29.88
SND456-15	13	8.89
SND457-1	<2	.10
SND457-2	<2	.09
SND457-3	<2	.02
RE SND457-3	<2	.03
RRE SND457-3	<2	.01
SND457-4	<2	.06
SND457-5	<2	.01
SND457-6	<2	.12
SND457-8	<2	1.72
SND457-12	17	3.56
SND457-14	3	.27
SND457-15	5	.93
SND457-16	<2	.01
SND457-17 (pulp)	5	10.25
SND457-18	10	2.43
SND457-22	<2	.24
SND457-24	<2	.20
SND457-26	<2	.72
SND457-27	<2	.14
SND457-29	<2	.02
SND457-30	4	.36
STANDARD R-2a/SL20	158	6.08

GROUP 6 - PRECIOUS METALS BY FIRE ASSAY FROM 1 A.T. SAMPLE, ANALYSIS BY ICP-ES.
 - SAMPLE TYPE: DRILL CORE R150
 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

09-21-06 201:01 001



Data 6 FA _____ DATE RECEIVED: AUG 21 2006 DATE REPORT MAILED:.....



SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	<.01
SND457-31	5	6.81
SND457-32	3	2.77
SND457-33	3	.31
STANDARD R-2a/SL20	164	5.93

Sample type: DRILL CORE R150.

ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-9 File # A605485R
1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	S.Wt gm	N _{Ag} mg	-Ag gm/mT	TotAg gm/mT
SND456-12 STANDARD SF-3	479 -	6.31 -	93 53	106 53

-AG : -150 AG BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAG: AG DUPLICATED FROM -150 MESH. NAG - NATIVE SILVER, TOTAL SAMPLE FIRE ASSAY.
- SAMPLE TYPE: CORE REJ. M150

Matts

Data FA DATE RECEIVED: DEC 15 2006 DATE REPORT MAILED: **JAN 09 2007**



ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-9 File # A605485R
1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	S.Wt gm	NAu mg	-Au gm/mt	TotAu gm/mt
SND456-12 STANDARD SL20	479 -	6.19 -	26.49 6.26	39.41 6.26

-AU : -150 AU BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAU: AU DUPLICATED FROM -150 MESH. NAU - NATIVE GOLD, TOTAL SAMPLE FIRE ASSAY.
- SAMPLE TYPE: CORE REJ. M150

Matto

Data FA

DATE RECEIVED: DEC 15 2006 DATE REPORT MAILED: **JAN 09 2007**



GEOCHEMICAL ANALYSIS CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-9 File # A605486 Page 1

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	Au* ppb
G-1	.6
SND455-1	17.9
SND455-6	14455.1
SND455-7	2208.7
SND455-10	429.8
SND455-12	564.9
SND455-13	414.9
SND455-14	49.3
SND455-15	1861.6
SND456-3	11.3
RE SND456-3	9.9
RRE SND456-3	15.1
SND456-4	2691.6
SND456-5	393.8
SND456-6	61.5
SND456-7	27.4
SND456-8	26.5
SND456-9	2.6
SND456-10 (pulp)	11571.4
SND456-11	6.0
SND456-13	7.7
SND456-14	409.5
SND456-16	28.2
SND456-17	65.6
SND456-18	70.6
SND456-19	401.9
SND456-20	513.4
SND456-21	205.6
SND456-22	191.2
SND456-23	19.5
SND457-7	80.9
SND457-9	7.8
SND457-10	240.8
SND457-11	9.9
SND457-13	18.2
STANDARD AU-R	470.7

AU* GROUP 3A - IGNITED, ACID LEACHED, ANALYZED BY ICP-MS. (30 gm)
- SAMPLE TYPE: DRILL CORE R150
Samples beginning 'RE' are Retuns and 'RRE' are Reject Retuns.

09-21-06 10:20 001

Data PA DATE RECEIVED: AUG 21 2006 DATE REPORT MAILED:





SAMPLE#	Au* ppb
G-1	.5
SND457-19	270.3
SND457-20	35.5
SND457-21	190.7
SND457-23	15.0
SND457-25	316.9
SND457-28	437.8
SND457-34	18.3
STANDARD AU-R	469.0

Sample type: DRILL CORE R150.



ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-9 File # A605486R
1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	Au** gm/mt
SND455-6	12.60
STANDARD SL20	6.04

GROUP 6 - PRECIOUS METALS BY FIRE ASSAY FROM 1 A.T. SAMPLE, ANALYSIS BY ICP-ES.
- SAMPLE TYPE: CORE PULP

Data 1 FA _____ DATE RECEIVED: SEP 26 2006 DATE REPORT MAILED: 10-14-06 10:03 AM



ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-9 File # A605486R2
 1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	S.Wt gm	NAu mg	-Ag gm/mT	TotAg gm/mT
SND455-6 STANDARD R-3	485 -	.11 -	72 196	72 196

-AG : -150 AG BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAG: AG DUPLICATED FROM -150 MESH. NAG - NATIVE SILVER, TOTAL SAMPLE FIRE ASSAY.
 - SAMPLE TYPE: CORE REJ. M150

JAN 09 2007

Data PA DATE RECEIVED: DEC 15 2006 DATE REPORT MAILED:



ASSAY CERTIFICATE



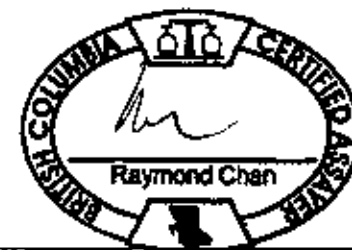
Almaden Minerals Ltd. PROJECT ELK06-9 File # A605486R2
 1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	S.Wt gm	NAu mg	-Au gm/mt	TotAu gm/mt
SND455-6	485	2.01	9.05	13.19
STANDARD SL20	-	-	6.29	6.29

-AU : -150 AU BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAU: AU DUPLICATED FROM -150 MESH. NAU - NATIVE GOLD, TOTAL SAMPLE FIRE ASSAY.
 - SAMPLE TYPE: CORE REJ. M150

Matto

Date FA DATE RECEIVED: DEC 15 2006 DATE REPORT MAILED: **JAN 09 2007**



GEOCHEMICAL ANALYSIS CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-11 File # A605705 Page 1
1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

Table with columns for ELEMENT and various units (ppm, ppb, %). Rows include sample IDs like G-1, SND458-1 through SND458-44, and STANDARD 057.

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 NCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY
- SAMPLE TYPE: DRILL CORE R150 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



Data FA DATE RECEIVED: AUG 28 2006 DATE REPORT MAILED:

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.



SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Y	S	Ga	Se
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	% ppm	% ppm	% ppm	% ppm	%	%	% ppm	ppm	ppm	ppm	ppm	% ppm	ppm	ppm
G-1	4	2.7	4.6	49	<1	4.9	4.8	542	1.91	<5	3.6	.7	5.1	83	<1	<1	.1	35	.60	.077	11	13	.60	230	.143	1.1	13	.128	56	.1	<0.1	2.2	.4	<.05	6	<.5
SND458-45	2.4	41.7	29.2	47	.4	1.4	1.6	452	1.30	7.9	3.0	73.8	12.6	7	.4	.3	.2	5	10	.022	21	5	.06	55	.006	1	.40	.066	25	2	<0.1	.8	.1	.24	2	<.5
SND458-46	5.1	21.7	8.8	18	.3	8	1.7	342	1.13	9.0	2.5	62.8	9.3	6	.2	.1	.1	3	.08	.019	18	5	.07	53	.003	2	.41	.057	.28	.1	<0.1	.7	1	.33	1	<.5
SND458-47	2.6	15.0	7.1	23	.2	8	1.9	345	1.11	3.2	3.0	44.7	11.3	8	.1	.2	.1	7	.09	.023	23	6	.11	55	.009	2	.40	.068	.24	.1	<0.1	1.0	.1	.10	2	<.5
SND458-49	2.6	18.2	15.2	24	1.6	.7	1.2	352	1.21	12.7	3.7	771.6	9.6	7	<1	.1	.6	5	.08	.021	21	5	.08	52	.004	3	.43	.065	.25	.1	<0.1	.7	1	.27	2	<.5
SND459-1	1.1	17.5	22.1	14	.3	.9	2.0	41	.82	22.6	6.0	33.3	6.9	2	.4	2	.1	2	.03	.018	16	6	.03	35	.001	1	.47	.013	.37	2	<0.1	.4	.1	.47	1	<.5
SND459-2	1.1	38.2	136.3	78	1.3	.3	2.1	497	1.15	546.2	2.4	330.7	8.5	6	1.3	.8	.1	5	.08	.024	19	5	.05	65	.002	3	.46	.045	.33	.1	.01	.7	.2	.41	1	<.5
SND459-3	1.7	50.4	29.7	55	1.9	.9	3.3	842	1.73	22.9	2.8	158.8	9.9	7	.7	.2	.4	5	.09	.027	21	5	.04	41	.001	2	.40	.042	.22	.1	.01	.8	.1	.80	1	<.5
SND459-4	1.3	100.7	235.4	4710	2.3	.9	1.9	525	1.07	37.6	2.4	183.3	9.1	6	96.3	.3	<1	4	.07	.022	17	5	.03	46	.001	3	.41	.041	.24	.6	.08	.7	.1	.55	1	<.5
SND459-6	2.0	19.3	36.7	70	.4	1.1	1.6	347	.83	21.0	4.8	39.9	9.2	5	.7	.2	<1	3	.07	.025	22	6	.03	47	.002	2	.39	.032	.27	.2	.01	.6	.1	.30	1	<.5
SND459-7	1.5	11.1	11.7	32	.3	1.3	1.9	405	.86	1.4	2.5	21.6	10.3	5	.4	2	<1	4	.09	.027	27	6	.06	54	.004	3	.52	.048	.33	4	<0.1	.8	.1	<.05	2	<.5
SND459-8	2.0	21.1	7.7	17	.2	1.0	1.7	572	1.05	8.9	2.4	17.7	9.9	6	.1	.2	.1	4	.09	.026	30	7	.05	85	.002	2	.39	.054	.24	1	<0.1	.8	1	.28	1	<.5
SND459-13	1.7	11.5	4.6	23	<1	.7	1.8	612	1.20	2.4	3.6	3.0	10.8	8	.1	.2	<1	10	.11	.027	24	5	.12	74	.023	2	.42	.079	.24	.1	<0.1	1.1	.1	.07	2	<.5
SND459-14	1.8	31.4	180.8	140	.6	1.0	1.7	580	1.34	11.8	7.2	15.1	10.3	9	3.1	.9	.1	3	.11	.025	23	5	.09	37	.001	4	.41	.032	.21	2	.01	.8	.1	.21	1	<.5
SND459-16	1.5	94.1	214.2	264	1.4	1.0	2.0	388	1.42	64.3	6.2	62.4	10.1	4	6.9	.8	.2	1	.06	.023	12	5	.06	45	.001	2	.53	.014	.38	.2	.01	.4	.1	.70	2	<.5
SND459-17	1.7	11.2	18.5	22	.2	.9	1.5	241	.70	26.9	7.6	6.5	10.8	7	.2	.4	<1	3	.09	.024	21	5	.03	43	.002	3	.37	.049	.20	1	<0.1	.7	2	.11	1	<.5
SND459-18	1.8	270.5	45.4	38	1.4	.9	1.2	633	2.52	40.5	3.5	22.0	7.7	2	.7	.3	1	1	.07	.022	9	5	.06	37	.001	2	.54	.010	.42	3	<0.1	4	.1	1.63	2	<.5
SND459-21	1.0	8.8	6.1	35	<1	1.1	3.8	649	2.15	1.2	2.9	6.0	7.3	22	.1	.3	<1	25	.64	.073	19	6	.34	180	.115	2	.70	.107	.33	.1	<0.1	2.5	1	<.05	4	<.5
SND459-22 (oulp)	11.5	63.6	3.7	44	8.3	510.5	16.8	180	3.12	452.6	.1	9087.7	.4	5	.1	51.6	<1	14	.11	.037	7	555	.06	28	.002	1	.28	.004	.18	1.2	6.87	1.2	8.3	1.98	1	25.0
SND459-23	1.3	30.2	54.3	98	.2	1.5	2.2	511	1.24	4.0	3.6	11.0	8.9	10	.8	.7	.1	4	.09	.021	20	5	.06	676	.001	5	.36	.041	.18	.1	.01	.9	.2	.11	1	<.5
SND459-24	1.1	16.5	34.5	72	.2	.8	1.6	424	1.21	12.1	2.6	40.3	12.4	6	.5	.6	.1	4	.07	.020	18	4	.04	114	.002	1	.38	.054	.26	.2	<0.1	.8	.1	.31	1	<.5
SND459-25	1.6	55.3	159.0	75	.5	1.1	1.2	277	1.04	26.0	2.7	81.2	8.0	4	1.0	6	.1	<1	.05	.018	10	7	.03	86	.001	2	.39	.023	.29	2	.01	.4	.1	.53	1	<.5
SND459-26	.9	47.4	270.9	122	3.7	.9	4.5	217	1.34	24.8	3.3	2774.5	8.0	3	1.9	.6	2.5	<1	.04	.017	9	5	.03	50	.001	2	.48	.006	.38	.2	.02	.3	.1	1.04	1	<.5
SND459-28	1.1	31.4	9.6	27	.1	.7	1.5	347	1.18	3.4	2.8	5.0	9.9	6	.3	.2	<1	6	.09	.025	24	5	.10	65	.003	1	.42	.054	.23	.1	.01	.8	1	.10	2	<.5
SND459-30	1.3	178.2	55.9	39	1.6	.5	1.3	504	2.08	50.2	4.2	176.8	10.2	3	.7	.2	.5	1	.07	.021	12	6	.05	48	.001	2	.50	.018	.39	.2	.01	.5	.2	1.29	1	<.5
SND459-30A	1.3	190.3	95.9	88	4.4	1.0	1.5	466	2.06	48.2	3.4	304.1	8.4	3	.7	.5	2.9	<1	.06	.019	10	6	.04	35	.001	4	.44	.017	.33	.2	<0.1	.4	1	1.37	1	<.5
SND459-31	.7	79.0	211.0	150	4.2	.9	1.8	245	1.87	48.1	2.5	816.8	7.2	1	4.4	1.0	2.8	<1	.04	.015	7	7	.03	41	.001	4	.44	.006	.36	.2	.01	.3	.1	1.62	1	<.5
SND459-31A	1.6	174.4	156.5	101	1.8	.9	1.7	446	2.47	85.2	2.9	204.2	8.2	2	1.2	6	.7	<1	.06	.019	9	6	.05	38	.001	1	.44	.010	.35	.2	<0.1	.3	.1	1.81	1	<.5
SND459-32	1.6	152.0	719.2	70	4.9	1.2	1.7	223	1.70	66.9	4.9	1928.0	5.9	5	4.4	3.4	2.0	<1	.04	.014	5	5	.03	28	.001	3	.45	.005	.34	.2	.02	.2	1	2.46	1	<.5
SND459-32A	2.7	177.9	248.8	133	1.1	1.3	1.7	597	2.12	71.7	2.5	62.2	8.9	3	1.1	2.3	.6	<1	.06	.021	10	5	.05	47	.001	4	.43	.012	.33	.3	<0.1	.4	.1	1.39	1	<.5
SND459-37	1.7	36.7	51.8	118	1.2	1.1	2.5	451	1.57	58.0	2.6	738.2	11.7	6	.6	4	.7	4	.08	.021	19	6	.04	76	.002	2	.37	.053	.24	2	.01	.8	.1	.61	1	<.5
RE SND459-37	1.6	37.3	49.8	118	1.3	1.0	2.6	453	1.57	62.8	2.7	733.8	11.2	6	.4	.3	.8	3	.09	.021	18	5	.04	75	.002	3	.36	.050	.25	.2	<0.1	.8	.1	.62	1	<.5
RRE SND459-37	1.7	39.3	52.1	123	5.1	1.0	2.3	464	1.60	61.2	2.9	736.0	11.8	6	.5	4	.8	4	.09	.021	20	6	.05	56	.002	2	.36	.050	.22	2	.01	.8	1	.59	1	<.5
SND459-38	1.2	113.4	63.0	110	1.5	1.0	2.0	727	2.93	56.7	2.7	238.7	10.1	6	.7	.4	.4	3	.09	.020	17	6	.07	47	.002	2	.36	.044	.22	9	<0.1	.9	1	1.57	1	<.5
STANDARD DS7	20.8	110.7	69.7	411	.9	56.8	9.9	628	2.39	47.7	4.9	56.9	4.5	69	6.4	5.7	4.5	84	.93	.078	12	174	1.06	362	.121	39	.97	.076	45	3.7	.20	2.5	4.2	.22	<.5	3.5

Sample type: DRILL CORE R150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



ASSAY CERTIFICATE

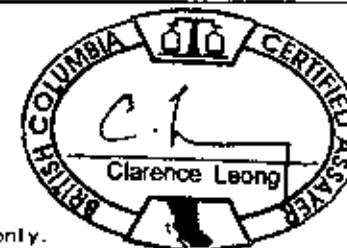


Almaden Minerals Ltd. PROJECT ELK06-11 File # A605705 Page 1

1105 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	.01
SND458-1	<2	.01
SND458-2	<2	.03
SND458-3	2	.08
SND458-4	<2	.20
SND458-8	<2	.02
SND458-9	2	.09
RE SND458-9	3	.09
RRE SND458-9	2	.10
SND458-12	<2	.01
SND458-13 (pulp)	9	9.23
SND458-14	5	.91
SND458-15	3	.55
SND458-16	2	.57
SND458-17	<2	.06
SND458-18	3	.17
SND458-19	<2	.09
SND458-20	2	.11
SND458-21	<2	.09
SND458-22	<2	.12
SND458-23	2	.05
SND458-25	<2	.15
SND458-26	<2	.07
SND458-27	<2	.10
SND458-28	<2	.04
SND458-29	2	.08
SND458-36	<2	.12
SND458-37	9	.29
SND458-38	<2	.02
SND458-39	<2	.06
SND458-40	<2	.03
SND458-41	<2	.04
SND458-42	<2	<.01
SND458-43 (pulp)	21	33.76
SND458-44	<2	.43
STANDARD R-2a/SL20	159	6.09

GROUP 6 - PRECIOUS METALS BY FIRE ASSAY FROM 1 A.T. SAMPLE, ANALYSIS BY ICP-ES.
- SAMPLE TYPE: DRILL CORE R150
Samples beginning 'RE' are Retuns and 'RRE' are Reject Retuns.



Data 1 FA _____ DATE RECEIVED: AUG 28 2006 DATE REPORT MAILED: 09-26-06 10:34 00T



SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	<.01
SND458-45	2	.10
SND458-46	<2	.64
SND458-47	<2	.05
SND458-49	2	.69
SND459-1	<2	.09
SND459-2	<2	.40
SND459-3	4	.25
SND459-4	3	.22
SND459-6	<2	.05
SND459-7	<2	<.01
SND459-8	<2	<.01
SND459-13	<2	.03
SND459-14	<2	.02
SND459-16	<2	.10
SND459-17	<2	.04
SND459-18	<2	.08
SND459-21	<2	<.01
SND459-22 (pulp)	10	10.12
SND459-23	<2	.03
SND459-24	2	.04
SND459-25	<2	.26
SND459-26	2	1.57
SND459-28	<2	.01
SND459-30	2	.14
SND459-30A	5	.90
SND459-31	4	2.92
SND459-31A	2	.50
SND459-32	7	1.82
SND459-32A	<2	.18
SND459-37	<2	.65
RE SND459-37	<2	.66
RRE SND459-37	<2	.74
SND459-38	<2	.46
STANDARD R-2a/SL20	156	6.06

Sample type: DRILL CORE R150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

GEOCHEMICAL ANALYSIS CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-11 File # A605706
1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Y	S	Ga	Se
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
G-1	.8	3.1	2.8	45	<.1	7.7	4.7	542	1.95	<.5	3.1	9	4.6	56	<.1	<.1	.1	41	53	087	7	74	61	225	139	1	.96	.070	.51	<.01	2.0	.4	<.05	5	<.5	
SND458-5	2.3	14.2	314.9	116	.8	1.6	2.2	502	1.06	201.9	4.2	1093.7	10.4	4.2	6	.5	.1	6	.09	.027	18	7	.09	37	.009	1	.28	.030	.16	<.01	.8	.1	.18	1	<.5	
SND459-15	2.7	82.2	1112.7	185	18.4	1.5	7.1	29	2.24	254.2	4.2	6811	3	5.4	2	6.1	2.1	2.4	<.03	.009	4	9	.01	12	<.001	1	18	.004	.19	.1	.01	.1	2.18	1	<.5	
STANDARD DS7	20.7	108.0	68.5	404	.9	54.5	9.6	619	2.37	47.4	4.8	51.1	4.3	69	6.2	5.6	4.4	83	.92	.079	12	168	1.05	365	.123	38	.96	.074	.44	3.7	.20	2.5	4.1	19	4.3	5

GROUP 10X - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: DRILL CORE M150

Data 1 FA _____ DATE RECEIVED: AUG 28 2006 DATE REPORT MAILED: 10-03-06 10:51 AM




ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-11 File # A605706
 1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	S.Wt gm	NAg mg	-Ag gm/mE	TotAg gm/mE
SND458-5	729	<.06	<2	<2
SND459-15	634	<.06	24	24
STANDARD R-2a	-	-	158	158

-AG : -150 AG BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAG: AG DUPLICATED FROM -150 MESH. NAG - NATIVE SILVER, TOTAL SAMPLE FIRE ASSAY.
 - SAMPLE TYPE: DRILL CORE M150

Data FA  DATE RECEIVED: AUG 28 2006 DATE REPORT MAILED:



ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-11 File # A605706
 1103 - 750 W. Pender St., Vancouver BC V6C 2Y8 Submitted by: Wojtek Jakubowski

SAMPLE#	S.Wt gm	NAU mg	-Au gm/mt	TotAu gm/mt
SND458-5	729	.72	2.41	3.40
SND459-15	634	1.40	8.63	10.84
STANDARD SL20	-	-	6.26	6.26

-AU : -150 AU BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAU: AU DUPLICATED FROM -150 MESH. NAU - NATIVE GOLD, TOTAL SAMPLE FIRE ASSAY.
 - SAMPLE TYPE: DRILL CORE M150

Date FA *VN* DATE RECEIVED: AUG 28 2006 DATE REPORT MAILED:



GEOCHEMICAL ANALYSIS CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-11 File # A605707
1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

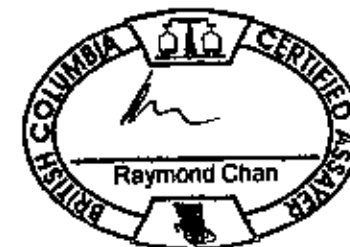


SAMPLE#	Au* ppb
G-1	<.5
SND458-6	2.3
SND458-7	5.9
SND458-10	40.5
SND458-11	26.9
SND458-24	45.1
SND458-48	12.5
SND458-50	48.8
SND458-51	15.2
SND459-5	5.9
SND459-9	28.5
SND459-10	2.0
SND459-11	7.1
SND459-12	4.1
RE SND459-12	12.0
RRE SND459-12	3.4
SND459-19	31.7
SND459-20	22.0
SND459-27	557.5
SND459-29	285.7
SND459-33	19.3
SND459-33A	82.7
SND459-34	57.4
SND459-34A	18.8
SND459-35	179.0
SND459-35A	7750.7
SND459-36	335.1
STANDARD AU-R	457.5

AU* GROUP 3A - IGNITED, ACID LEACHED, ANALYZED BY ICP-MS. (30 gm)
- SAMPLE TYPE: DRILL CORE R150
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

09-25-06 110:29 001

Data FA _____ DATE RECEIVED: AUG 28 2006 DATE REPORT MAILED:



ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-13 File # A605820 Page 1

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	<.01
SND 460-1	<2	.04
SND 460-2	<2	.02
SND 460-3	<2	.03
SND 460-6	2	3.75
SND 460-7	<2	.50
SND 460-13	<2	.01
SND 460-14 (pulp)	9	10.22
SND 460-15	9	4.58
SND 460-17	3	.32
SND 460-18	2	1.14
SND 460-19	<2	.12
SND 460-20	<2	.03
SND 460-21	<2	.06
SND 460-22	2	.05
SND 460-23	3	.13
SND 460-24	41	7.89
SND 460-25	<2	.14
SND 460-26	6	.92
RE SND 460-26	4	1.03
RRE SND 460-26	4	.83
SND 460-27	7	2.83
SND 460-31	<2	.06
SND 460-33	<2	.14
SND 460-35	<2	.16
SND 460-37	<2	.04
SND 460-38	<2	.09
SND 460-39	<2	.26
SND 460-40	3	.06
SND 460-41	<2	.45
SND 460-42	<2	1.10
SND 460-43	<2	.01
SND 460-44 (pulp)	18	35.07
SND 460-47	<2	.05
SND 460-48	<2	.07
STANDARD R-2a/SL20	156	6.03

GROUP 6 - PRECIOUS METALS BY FIRE ASSAY FROM 1 A.T. SAMPLE, ANALYSIS BY ICP-ES.
 - SAMPLE TYPE: DRILL CORE R150
 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

10-02-06 11:09 AM

Data PA DATE RECEIVED: SEP 1 2006 DATE REPORT MAILED:





SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	<.01
SND 460-49	<2	.06
SND 460-50	<2	.61
SND 460-51	<2	.15
SND 461-1	<2	.02
SND 461-3	5	18.75
SND 461-4	<2	.05
RE SND 461-4	<2	.03
RRE SND 461-4	<2	.04
SND 461-5	<2	.17
SND 461-6	<2	.04
SND 461-7	<2	.05
SND 461-8	<2	.11
SND 461-9	<2	.03
SND 461-10	<2	.09
SND 461-11	<2	.16
SND 461-12	6	.72
SND 461-13	<2	.16
SND 461-14	<2	.06
SND 461-15	<2	.09
SND 461-16	<2	.13
SND 461-17	<2	.66
SND 461-20	<2	.01
SND 461-21 (pulp)	17	36.24
SND 461-23	<2	1.64
SND 461-24	<2	.88
SND 461-25	3	.95
SND 461-26	3	6.89
SND 461-27	2	.81
SND 461-29	<2	.83
SND 461-30	<2	.09
SND 461-31	<2	.02
SND 461-32	<2	.66
STANDARD R-2a/SL20	157	5.99

Sample type: DRILL CORE R150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

GEOCHEMICAL ANALYSIS CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-13 File # A605821

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	Au* ppb
G-1	.5
SND460-4	24.3
SND460-5	1.9
SND460-8	7.1
SND460-9	<.5
SND460-10	38.5
SND460-11	30.1
SND460-12	17.3
SND460-16	176.7
SND460-28	44.3
SND460-29	2.6
SND460-30	216.6
SND460-32	92.6
SND460-34	68.6
SND460-36	317.1
SND460-45	653.0
SND460-46	26.7
SND460-52	59.5
SND460-53	356.0
SND461-2	143.8
RE SND461-2	223.6
RRE SND461-2	205.4
SND461-18	87.6
SND461-19	79.4
SND461-22	962.9
SND461-28	9.5
STANDARD AU-R	477.5

AU* GROUP 3A - IGRITED, ACID LEACHED, ANALYZED BY ICP-MS. (30 gm)

- SAMPLE TYPE: DRILL CORE R150

Samples beginning 'RE' are Recons and 'RRE' are Reject Recons.

09-26-06 10:15:33

Data 8 FA _____

DATE RECEIVED: SEP 1 2006 DATE REPORT MAILED:





SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Tl ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	.4	7.4	3.9	51	<.1	5.8	4.6	558	1.89	1.7	3.2	204.4	5.4	73	.1	<.1	.2	43	.59	.077	9	17	.60	220	.149	5	1.06	.090	.53	1.1	<.01	2.2	.4	<.05	5	<.5
SND462-32	4.6	1096.1	41.9	86	36.9	4.6	10.9	673	6.11	227.8	7.5	>100000	2.0	7	2.3	.3	32.3	9	.28	.088	7	13	.35	33	.005	4	.63	.013	.43	1.0	.02	1.7	.2	5.34	2	<.5
SND462-33	7.8	21.5	2.5	58	<.1	2.0	8.0	1231	3.32	1.6	1.7	48.0	6.5	25	<.1	.1	.1	44	.69	.118	23	9	.53	134	.093	1	.94	.071	.35	.1	<.01	5.8	.2	<.05	5	<.5
SND462-34	4.5	32.6	76.0	47	15.3	2.0	6.3	691	2.85	28.1	2.8	4919.5	8.8	16	.1	1	4.0	27	.41	.067	14	8	.29	73	.038	9	.64	.054	.28	2	.01	3.6	2	1.01	3	<.5
STANDARD DS7	20.9	104.8	67.4	418	9	55.5	9.9	632	2.43	50.9	4.9	68.2	4.5	72	6.4	5.1	4.4	87	.96	.083	13	165	1.06	377	.128	48	1.00	.080	.45	3.7	20	2.7	4.2	.21	5	3.5

Sample type: DRILL CORE R150.

ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-15 File # A606169 Page 1

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	<.01
ELK06-R9 (rock)	3	.05
SND462-1	<2	.01
SND462-2	<2	.03
SND462-3	<2	<.01
SND462-4	<2	.02
SND462-5	<2	.05
SND462-6	3	.70
SND462-7	<2	.05
SND462-8	<2	.03
SND462-9	<2	.14
SND462-10	<2	.06
SND462-11	<2	.56
SND462-12	<2	.04
SND462-13	<2	.03
SND462-14	<2	<.01
SND462-15	<2	.01
RE SND462-15	<2	.01
RRE SND462-15	<2	<.01
SND462-16	<2	.66
SND462-17	3	1.46
SND462-18	<2	.01
SND462-19 (pulp)	9	9.93
SND462-20	<2	.01
SND462-21	4	6.34
SND462-22	4	3.56
SND462-23	<2	.07
SND462-24	<2	.03
SND462-25	<2	<.01
SND462-26	<2	.01
SND462-27	<2	.01
SND462-28	2	.67
SND462-29	<2	.25
SND462-30	<2	.01
SND462-31	<2	.16
STANDARD R-2a/SL20	156	6.02

GROUP 6 - PRECIOUS METALS BY FIRE ASSAY FROM 1 A.T. SAMPLE, ANALYSIS BY ICP-ES.

* SAMPLE TYPE: DRILL CORE R150

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data 1 FA

DATE RECEIVED: SEP 8 2006 DATE REPORT MAILED:.....

10-12-06 11:28 OUT





SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	<.01
SND462-32	27	77.70
SND462-33	<2	.09
SND462-34	16	6.55
STANDARD R-2a/SL20	155	6.04

Sample type: DRILL CORE R150.



GEOCHEMICAL ANALYSIS CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-15 File # A606170
 1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Zr	S	Ga	Se		
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm			
G-1	.7	2.3	2.4	47	<.1	6.5	4.1	541	1.95	<.5	3.0	<.5	3.9	54	<.1	<.1	.1	41	.53	.084	7	74	.61	215	.143	<.1	.94	.078	.51	.1	<.01	2.1	.4	<.05	5	<.5		
SND462-32	3.8	1101.7	41.4	79	23.9	4.0	9.0	658	5.99	217.7	7.1	66866.6	2.0	7	2	0	.5	30	9	8	.29	.075	7	11	15	32	.004	<.1	.62	.013	.39	.3	.02	1.7	.2	5.11	2	<.5
SND462-24	<.1	<.1	<.1	<.1	<.1	<.1	<.1	1517	3.71	<.5	<.1	<.5	<.1	<.1	<.1	<.1	<.1	<.1	.46	<.001	<.1	<.1	.29	<.001	<.1	.53	<.001	<.01	<.1	<.01	<.1	<.1	<.1	.08	<.1	<.5		
STANDARD DS7	20.1	102.3	66.5	397	.9	53.9	9.3	607	2.31	46.2	4.7	71.3	4.2	66	6.0	5.3	4.0	82	.91	.075	12	163	1.02	358	.117	36	.95	.076	.43	3.8	.19	2.4	4.0	.20	4	3.2		

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.
 (>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
 - SAMPLE TYPE: DRILL CORE M150

10-12-06 10:35 OUT

Data 1 FA _____ DATE RECEIVED: SEP 8 2006 DATE REPORT MAILED:



ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-15 File # A606170
 1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	S.Wt gm	NAg mg	-Ag gm/mt	TotAg gm/mt
SND462-32	1040	<.06	22	22
STANDARD R-2a	-	-	152	152

-AG : -150 AG BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAG: AG DUPLICATED FROM -150 MESH. NAG - NATIVE SILVER, TOTAL SAMPLE FIRE ASSAY.
 - SAMPLE TYPE: DRILL CORE M150

11-06-06 11:50 001

Data FA *[Signature]* DATE RECEIVED: SEP 8 2006 DATE REPORT MAILED:.....



ASSAY CERTIFICATE




Almaden Minerals Ltd. PROJECT ELK06-15 File # A606170

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	S.Wt gm	NAu mg	-Au gm/mt	TotAu gm/mt
SND462-32	1040	2.74	70.24	72.87
STANDARD SL20	-	-	6.18	6.18

-AU : -150 AU BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUFAU: AU DUPLICATED FROM -150 MESH. NAU - NATIVE GOLD, TOTAL SAMPLE FIRE ASSAY.
- SAMPLE TYPE: DRILL CORE M150

Data FA  DATE RECEIVED: SEP 8 2006 DATE REPORT MAILED:



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm		
G-1	.3	18.9	4.8	51	<.1	6.5	4.7	567	2.05	<.5	2.8	1.1	4.8	66	<.1	<.1	.1	39	.55	.078	9	11	.59	207	.133	<1	1.06	.095	.53	.1<.01	2.2	.4<.05	5	<.5				
SND463-33	2.7	18.5	5.9	55	.1	2.6	9.5	1428	3.04	10.0	4.3	3.6	7.5	15	.5	<.1	<.1	20	.37	.090	17	6	.26	110	.030	1	.67	.035	.41	.1<.01	3.5	.2	.49	2	<.5			
SND463-34	.8	7.4	8.0	36	.7	1.4	2.8	284	1.15	4.2	3.3	4.4	7.1	5	.2	<.1	<.1	2	.07	.015	17	5	.10	32	.001	1	.29	.027	.22	.2	.01	.4	.1	.17	1	<.5		
SND463-35	1.7	22.8	26.4	53	.3	2.1	3.5	701	2.21	18.9	4.3	37.0	9.9	7	.5	.1	.1	4	.10	.010	8	10	.13	32	.001	<1	.29	.027	.20	.1<.01	.8	.1	.55	1	<.5			
SND463-36	1.5	22.8	14.4	120	.7	1.8	2.7	709	2.40	7.4	.8	3.1	4.3	11	.4	.3	.1	9	.27	.051	21	5	.14	45	.004	2	.32	.056	.15	.1<.01	1.4	.1	.13	2	<.5			
SND463-39	5.1	11.8	20.0	210	<.1	1.9	2.7	742	2.30	1.8	1.5	2.7	6.1	10	.4	.1	<.1	9	.20	.045	16	8	.19	69	.036	<1	.43	.069	.24	.1<.01	1.5	.2	.06	2	<.5			
STANDARD DS7	21.9	105.5	66.2	388	.8	53.3	9.1	605	2.34	46.2	4.6	51.9	4.3	69	6.2	4.7	4.3	81	.92	.079	12	168	1.03	365	.119	38	.96	.082	.43	3.7	.19	2.4	4.1	.19	5	3.6		

Sample type: DRILL CORE R150.



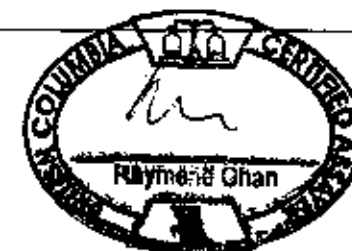
ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-16 File # A606863 Page 1
 1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: N / A

SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	.02
SND463-1	<2	.01
SND463-2	<2	.03
SND463-3	<2	.05
SND463-4	2	1.12
SND463-5	<2	.17
SND463-6	2	.12
SND463-7	2	.67
SND463-8	<2	.05
SND463-9	<2	.06
SND463-10	<2	.07
SND463-11	<2	.02
SND463-12	2	.29
SND463-13	<2	.22
SND463-14	<2	.01
SND463-15 (pulp)	10	10.41
SND463-16	<2	.19
SND463-17	<2	.04
SND463-18	<2	.03
SND463-19	<2	.29
SND463-20	<2	.02
SND463-21	<2	.04
SND463-22	2	.07
SND463-23	6	7.83
SND463-24	<2	.12
SND463-25	<2	.26
SND463-26	<2	.05
SND463-27	<2	.08
SND463-28	<2	.02
SND463-29	<2	.05
RE SND463-29	<2	.04
RRE SND463-29	<2	.02
SND463-30	<2	.06
SND463-31	<2	.02
SND463-32	<2	.04
STANDARD R-2a/SL20	159	6.09

GROUP 6 - PRECIOUS METALS BY FIRE ASSAY FROM 1 A.T. SAMPLE, ANALYSIS BY ICP-ES.
 - SAMPLE TYPE: DRILL CORE R150
 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



Data 1 FA DATE RECEIVED: SEP 25 2006 DATE REPORT MAILED:



SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	<.01
SND463-33	<2	.01
SND463-34	<2	<.01
SND463-35	2	.05
SND463-36	<2	<.01
SND463-39	<2	<.01
STANDARD R-2a/SL20	154	6.13

Sample type: DRILL CORE R150.

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT ELK06-16 File # A606864

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: N / A



SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Er	Mg	Ba	Ti	B	Al	Mg	K	W	Hg	Sc	Tl	S	Ga	Se							
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm								
G-1	8	3	1	3	3	52	<.1	7.0	4.4	516	1.95	.5	2.7	7	4.1	61	<.1	1	.1	40	.52	.084	8	71	.59	222	.143	1	.95	.074	.51	<.01	2.1	<.05	5	<.5							
SND463-37	8	4	217	0	144.2	36	35	4	3.0	26.5	217	5.22	113	2	2	7	28058	8	5.0	2	.5	.1	14.0	1	.11	.052	8	5	.08	27	.002	1	.57	.008	.46	.6	.01	.5	.2	5	49	1	<.5
SND463-38	6.0	100	8	331.8	99	11	0	5.0	4	1	537	2.09	67.3	5.3	5281.6	4.1	5	1.1	2	11.0	2	.12	.036	11	6	.11	30	.002	1	43	.011	.35	.6	<.01	8	.1	1	08	1	.6			
STANDARD 057	19	9	107	0	70	8	426	.8	52.6	9.4	629	2.36	46.3	5	0	79	7	4.7	73	6.9	5.6	4.7	82	.92	.077	14	167	1.04	371	.130	39	.98	.078	.43	3.8	19	2.6	4	1	20	4	3.6	

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.
 (>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
 * SAMPLE TYPE: DRILL CORE M150

Data *PA* _____ DATE RECEIVED: SEP 25 2006 DATE REPORT MAILED:.....






ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-16 File # A606864
 1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: N / A

SAMPLE#	S.Wt. gm	NAu mg	-Au gm/mt	TotAu gm/mt
SND463-37	1160	6.36	19.33	24.82
SND463-38	1020	13.13	8.28	21.18

-AU : -150 AU BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAU: AU DUPLICATED FROM -150 MESH. NAU - NATIVE GOLD, TOTAL SAMPLE FIRE ASSAY.
 ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
 - SAMPLE TYPE: DRILL CORE M150

Data FA  DATE RECEIVED: SEP 25 2006 DATE REPORT MAILED:





ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-16 File # A606864

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: M / A

SAMPLE#	S.Wt. gm	NAg mg	-Ag gm/mt	TotAg gm/mt
SND463-37	1160	8.05	33	40
SND463-38	1020	10.17	7	16

*AG : -150 AG BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAG: AG DUPLICATED FROM -150 MESH. NAG - NATIVE SILVER, TOTAL SAMPLE FIRE ASSAY.
 ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPM
 - SAMPLE TYPE: DRILL CORE M150

Data FA DATE RECEIVED: SEP 25 2006 DATE REPORT MAILED:.....



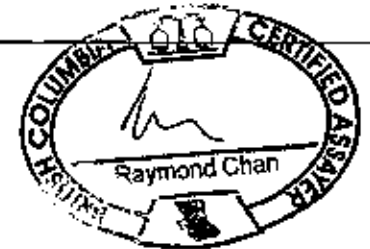
ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-17 File # A607101 Page 1
1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	<.01
SND464-1	<2	.02
SND464-2	<2	<.01
SND464-3	<2	.18
SND464-4	<2	.17
SND464-5	<2	<.01
SND464-6 (pulp)	18	33.29
SND464-7	<2	.37
SND464-8	<2	<.01
SND464-9	<2	<.01
SND464-10	7	13.83
SND464-11	<2	.59
SND464-12	<2	.04
SND464-13	<2	<.01
SND464-14	<2	.01
SND464-15	<2	.04
SND464-16	13	2.53
SND464-17	5	5.67
SND464-18	19	3.53
SND464-20	<2	.17
SND464-21	<2	.01
SND464-23	<2	.08
RE SND464-23	<2	.06
RRE SND464-23	<2	.12
SND464-24	<2	.04
SND464-25	<2	<.01
SND464-29	2	.20
SND465-1	8	.02
SND465-2	<2	.04
SND465-3	<2	.07
SND465-4	<2	<.01
SND465-5	<2	<.01
SND465-6	<2	.02
SND465-7 (pulp)	8	9.89
SND465-8	<2	<.01
STANDARD R-2a/SL20	159	6.09

GROUP 6 - PRECIOUS METALS BY FIRE ASSAY FROM 1 A.T. SAMPLE, ANALYSIS BY ICP-ES.
- SAMPLE TYPE: DRILL CORE R150
Samples beginning 'RE' are Retuns and 'RRE' are Reject Retuns.



Data 1 FA DATE RECEIVED: SEP 29 2006 DATE REPORT MAILED:.....



SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	<.01
SND465-9	<2	.01
SND465-10	<2	.06
SND465-11	<2	.14
SND465-12	<2	.03
SND465-13	<2	.24
SND465-14	<2	.02
SND465-15	<2	.06
SND465-16	<2	.04
SND465-17	<2	.04
SND465-18	<2	.04
SND465-19	<2	<.01
SND465-20	<2	.01
SND465-21	<2	<.01
SND465-22	<2	<.01
RE SND465-22	<2	<.01
RRE SND465-22	<2	<.01
SND465-23	<2	<.01
SND465-24	<2	.03
SND466-1	4	.22
SND466-2	<2	<.01
SND466-3	<2	<.01
SND466-4	<2	.04
SND466-6	<2	<.01
SND466-7	<2	<.01
SND466-8	<2	<.01
SND466-10	<2	<.01
SND466-11	<2	<.01
SND466-12	<2	<.01
SND466-13 (pulp)	17	34.21
SND466-14	2	.68
SND466-15	2	.50
SND466-16	<2	.09
SND466-17	<2	.03
SND466-18	<2	<.01
STANDARD R-2a/SL20	156	6.09

Sample type: DRILL CORE R150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	<.01
SND466-19	<2	.02
SND467-1	<2	.01
SND467-2	<2	<.01
SND467-3	<2	.01
SND467-4	<2	.01
SND467-5	<2	<.01
SND467-6	<2	.01
SND467-7	3	.29
SND467-8	<2	<.01
SND467-9	2	.32
SND467-10	<2	<.01
SND467-11	<2	.25
SND467-12	5	2.50
SND467-13	<2	.04
SND467-15	2	.05
SND467-16	<2	.03
SND467-18	<2	<.01
SND467-19	<2	.04
SND467-20	<2	.05
SND467-21	<2	.62
SND467-22	<2	<.01
SND467-23	<2	.01
SND467-24 (pulp)	10	9.62
SND467-25	<2	.06
SND467-26	<2	<.01
RE SND467-26	<2	.01
RRE SND467-26	<2	.02
SND467-27	<2	.01
SND467-28	<2	.04
SND467-29	2	.04
SND467-30	<2	.01
SND467-31	2	.03
STANDARD R-2a/SL20	155	5.78

Sample type: DRILL CORE R150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

GEOCHEMICAL ANALYSIS CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-17 File # A607102
 1103 - 750 W. Pender St., Vancouver BC V6C 2Y8 Submitted by: Wojtek Jakubowski

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Tl	B	Al	Na	K	Rb	Hg	Sc	Ti	S	Ga	Se														
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm														
G-1	9	30	27	46	<1	81	4.7	545	1.99	<5	2.7	1.3	4.3	63	<1	<1	1	45	.55	.082	8	96	.61	221	.143	2	.97	.082	52	1	<.01	2.3	.4	<.05	5	<.5														
SND464-19	25	104	1	72	45	13	4.9	4.6	1334	4.22	16.2	4.2	3434	7.5	28	3	1	2.9	15	.58	.062	15	4	.35	52	.004	4	.79	.035	30	3	<.01	3.1	.2	1.05	3	<.5													
SND464-22	7	54	3	13.8	24	.4	1.7	1.3	646	1.60	10.0	1.0	27.4	3.4	14	.3	1	<.1	3	.24	.034	13	5	.11	46	.004	2	.37	.041	25	1	<.01	1.1	1	.34	1	<.5													
SND464-26	1.6	305	0	72	0	145	4	0	3	4	1.9	641	7.72	254.6	24.3	645.3	2.7	3	2.2	.3	.3	<.1	.11	.030	7	4	.10	13	.003	3	.80	.008	53	5	<.01	6	1	7.61	3	<.5										
SND464-27	1.0	58.0	53.7	121	.5	13.9	6.2	936	2.30	48.0	4.2	33	9	2.8	32	1.6	2	1	23	.91	.072	10	17	.54	88	.021	3	.87	.021	51	1	<.01	3.2	2	.89	3	<.5													
SND464-28	2.9	18.6	16.4	50	2	2.1	1.4	606	1.73	18.5	2.4	24.4	4.5	6	.4	1	<.1	4	.18	.028	16	4	.13	37	.008	1	.42	.025	.30	3	<.01	1.1	1	.43	2	<.5														
SND466-5	.6	7.1	4.1	9	2	2.4	2.1	68	.67	.5	1.7	1.6	5.6	13	1	1	<.1	9	.15	.037	12	6	.05	79	.008	2	.36	.044	.10	1	<.01	1.2	1	<.05	1	<.5														
SND466-9	2.3	947	9	295	2	393	12	8	3	2	8	58	4.65	310.6	3.4	6315.5	4.6	14	3.4	.6	1.4	5	.08	.027	9	5	.04	15	.001	2	.47	.036	35	4	0.2	.9	1	4.80	1	<.5										
SND467-14	1.4	928	5	437	7	62	77.3	2.4	11.8	58	10.70	352.2	2.2	34205.7	3	4	4	1.9	.3	5.5	1	.05	.017	8	6	.03	4	.031	2	.57	.095	.38	.5	.02	4	1	>.10	1	<.5											
SND467-17	2.9	354.5	769	3	419	24	4	2	8	7.3	78	3.77	179.6	13.5	10837.8	4.5	10	5.7	.6	3.0	2	.08	.029	9	5	.02	11	.001	4	.41	.034	.31	.3	.03	.5	1	3.82	1	<.5											
STANDARD DS7	20	2	105.0	68.7	416	.9	54	6	9	4	628	2	38	45	1	4	8	55	0	4	4	72	6.2	5	0	4.3	81	94	.076	13	175	1	06	374	128	39	1	00	083	.45	3.6	.19	2	6	4	1	19	5	3	4

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.
 (>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
 * SAMPLE TYPE: DRILL CORE #150

Data 1 FA _____ DATE RECEIVED: SEP 29 2006 DATE REPORT MAILED:





ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-17 File # A607102
 1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	S.Wt gm	NAU mg	-Au gm/mt	TotAu gm/mt
SND464-19	900	.01	1.16	1.17
SND464-22	660	<.01	.05	.05
SND464-26	960	<.01	.55	.55
SND464-27	1020	<.01	.07	.07
SND464-28	1080	<.01	.03	.03
SND466-5	400	<.01	<.01	<.01
SND466-9	900	.10	6.03	6.14
SND467-14	660	2.97	35.21	39.71
SND467-17	960	.61	11.09	11.73
STANDARD SL20	-	-	5.97	5.97

-AU : -150 AU BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAU: AU DUPLICATED FROM -150 MESH. NAU - NATIVE GOLD, TOTAL SAMPLE FIRE ASSAY.
 - SAMPLE TYPE: DRILL CORE M150

Data FA *YHK* DATE RECEIVED: SEP 29 2006 DATE REPORT MAILED:





ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-17 File # A607102

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	S.Wt gm	NAg mg	-Ag gm/mt	TotAg gm/mt
SND464-19	900	<.06	<2	<2
SND464-22	660	<.06	<2	<2
SND464-26	960	.56	5	5
SND464-27	1020	<.06	<2	<2
SND464-28	1080	<.06	<2	<2
SND466-5	400	<.06	<2	<2
SND466-9	900	<.06	14	14
SND467-14	660	1.43	70	72
SND467-17	960	<.06	23	23
STANDARD R-2a	-	-	54	54

-AG : -150 AG BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAG: AG DUPLICATED FROM -150 MESH. NAG - NATIVE SILVER, TOTAL SAMPLE FIRE ASSAY.

- SAMPLE TYPE: DRILL CORE M150

Data FA DATE RECEIVED: SEP 29 2006 DATE REPORT MAILED:.....





SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	.2	9.9	9.4	47	<.1	3.5	4.5	526	1.80	.8	2.8	.8	4.4	69	.1	.1	.1	35	.52	.069	9	9	.58	197	.125	1	.99	.080	.51	.1	.01	1.8	.3	<.05	5	<.5
SND478-18	1.6	4.0	14.5	53	<.1	.8	4.9	819	2.60	1.5	2.4	.5	4.6	26	.3	.2	<.1	33	.88	.084	13	4	.49	188	.140	4	.86	.090	.41	.1	.01	2.8	.2	<.05	4	<.5
SND478-20	1.7	61.9	140.5	89	.5	.8	2.2	590	1.11	32.5	2.8	56.3	10.1	11	.7	1.0	.3	3	.08	.019	18	3	.05	53	.005	4	.25	.029	.18	.1	.01	.8	.2	.32	1	<.5
SND478-21	3.5	189.5	817.5	81	4.2	.8	2.7	448	1.62	63.7	4.9	3464.6	8.1	22	2.3	2.7	1.6	2	.06	.017	16	2	.04	84	.001	2	.27	.020	.20	.3	.02	.4	.2	1.22	1	<.5
STANDARD	20.9	103.6	72.3	403	.9	53.1	9.3	630	2.40	49.1	4.9	52.8	4.5	83	6.4	5.2	4.6	81	.95	.081	14	173	1.06	388	.125	40	1.00	.084	.46	3.8	.21	2.6	4.3	.20	5	3.8

Standard is STANDARD DS7.

ASSAY CERTIFICATE

Almaden Minerals Ltd. PROJECT ELK06-19 File # A607467 Page 1
 1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

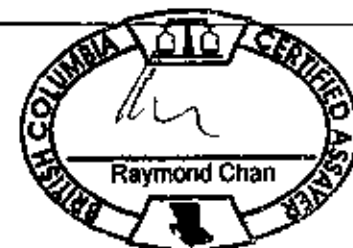


SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	.01
SND468-1	<2	.77
SND468-2	<2	.10
SND468-3	<2	<.01
SND468-4	3	1.62
SND468-5	<2	.01
SND468-7	<2	.01
SND468-8	<2	.03
SND468-9	<2	.02
SND468-10	5	2.23
SND468-11	<2	.01
SND468-12	<2	.04
SND468-13	<2	.01
SND468-14	<2	.02
SND468-15	<2	.04
SND468-16	<2	.01
SND468-17	7	3.88
SND468-18	9	.89
SND468-19	9	2.05
SND468-20	<2	.04
SND468-21	<2	.11
SND468-22	<2	<.01
SND468-23 (pulp)	18	33.78
SND468-24	<2	.33
SND468-25	<2	.03
SND468-26	<2	.09
RE SND468-26	<2	.09
RRE SND468-26	<2	.07
SND468-27	<2	.02
SND468-28	5	1.26
SND468-29	3	.40
SND468-30	<2	.05
SND468-31	<2	.03
SND468-32	6	1.47
SND468-33	<2	.04
STANDARD R-2a/SL20	158	6.16

GROUP 6 - PRECIOUS METALS BY FIRE ASSAY FROM 1 A.T. SAMPLE, ANALYSIS BY ICP-ES.
 - SAMPLE TYPE: DRILL CORE R150
 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

11-29-06 09:59 311

Data 1 FA _____ DATE RECEIVED: OCT 6 2006 DATE REPORT MAILED:.....





SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	<.01
SND468-34	3	.65
SND468-35	<2	.15
SND468-36	3	1.21
SND468-37	22	5.45
RE SND468-37	17	5.01
RRE SND468-37	17	5.54
SND468-38	2	.03
SND468-39	<2	.02
SND468-40	5	7.35
SND468-41	3	.55
SND468-42	<2	.45
SND468-43	8	5.75
SND468-44	<2	.45
SND468-45	18	8.94
SND469-1	<2	.02
SND469-3	<2	.04
SND469-4	<2	.03
SND469-5	<2	.43
SND469-6	12	3.28
SND469-7	17	8.31
SND469-8	<2	.03
SND469-9 (pulp)	18	38.80
SND469-10	3	.89
SND469-11	3	.07
SND469-12	6	5.17
SND469-13	<2	.23
SND469-14	2	.78
SND469-15	<2	.03
SND469-16	<2	.02
SND470-1	<2	.06
SND470-2	<2	.01
SND470-3	3	2.36
SND470-4	<2	.07
SND470-5	3	1.42
STANDARD R-2a/SL20	159	5.98

Sample type: DRILL CORE R150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	.02
SND470-6	4	4.40
SND470-7	<2	.06
SND470-8	2	.08
SND470-9	15	15.36
SND470-10	<2	.03
SND471-1	2	.05
SND471-2	<2	.01
SND471-4	<2	.01
SND471-5	3	.04
RE SND471-5	<2	.03
RRE SND471-5	<2	.11
SND471-6	<2	<.01
SND471-7	8	.91
SND471-8	15	14.44
SND471-9	7	2.60
SND471-10	5	.53
SND471-11	<2	.03
SND471-12	<2	.13
SND471-13	<2	.78
SND471-14	2	.03
SND471-15	12	6.56
SND471-16	<2	.06
SND471-17	<2	.06
SND471-18	<2	.51
SND471-19	<2	<.01
SND471-20	<2	<.01
SND471-21	<2	.06
SND471-22	4	2.24
SND471-23	2	.41
SND472-1	<2	.07
SND472-2	<2	.10
SND472-3	16	1.66
SND472-4	<2	.03
SND472-6	<2	.07
STANDARD R-2a/SL20	160	6.00

Sample type: DRILL CORE R150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	.01
SND472-7	8	5.67
SND472-8	2	.86
SND472-9	<2	.49
SND472-10	<2	.08
SND472-11	<2	.19
SND472-12	<2	.44
SND472-13	<2	.14
SND472-14	<2	.05
SND472-15	<2	.02
SND472-16	<2	.06
SND472-17	<2	.01
SND472-18	<2	.01
SND472-19	<2	.03
SND472-20	<2	.01
SND472-21	<2	<.01
SND472-22 (pulp)	8	9.85
SND472-23	3	4.79
SND472-24	<2	.10
RE SND472-24	<2	.08
RRE SND472-24	<2	.09
SND472-25	4	3.88
SND472-26	<2	.05
SND472-27	<2	.01
SND472-28	21	29.65
SND472-29	<2	.06
SND472-30	<2	.24
SND472-31	<2	.06
SND472-32	2	2.01
SND472-33	<2	.04
SND473-1	<2	.36
SND473-2	<2	.28
SND473-3	<2	.01
SND473-4 (pulp)	7	9.57
SND473-5	<2	.09
STANDARD SF-3/SL20	54	6.11

Sample type: DRILL CORE R150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	<.01
SND473-6	<2	<.01
SND473-7	<2	<.01
RE SND473-7	<2	<.01
RRE SND473-7	<2	<.01
SND473-8	<2	.02
SND473-9	<2	.02
SND473-10	<2	.07
SND473-11	3	3.16
SND473-12	<2	<.01
SND473-13	<2	<.01
SND473-14	7	4.42
SND473-15	<2	<.01
SND473-16	<2	.01
SND473-17	33	15.17
SND473-18	<2	.67
SND473-19	<2	.12
SND473-20	2	.32
SND473-21	5	2.22
SND473-22	6	13.50
SND473-23	<2	.17
SND473-24	<2	.16
SND473-25	<2	.01
SND474-1	<2	.02
SND474-2	<2	.27
SND474-3	6	2.60
SND474-4	<2	.12
SND474-5	<2	.13
SND474-6	<2	.04
SND474-7	<2	.06
SND474-8	<2	.09
SND474-9	<2	.03
SND474-10	<2	.15
SND474-11	3	2.09
SND474-12	<2	.17
STANDARD R-2a/SL20	158	5.99

Sample type: DRILL CORE R150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	<.01
SND474-13	<2	.05
SND474-14	<2	.01
SND474-15	<2	.22
SND474-16	<2	.05
SND474-17	<2	.03
SND474-18	<2	<.01
SND474-19 (pulp)	16	38.75
SND475-1	<2	.18
RE SND475-1	<2	.15
RRE SND475-1	<2	.15
SND475-2	<2	.03
SND475-3	<2	.09
SND475-4	15	3.69
SND475-6	<2	.01
SND475-7	<2	.06
SND475-8	<2	.01
SND475-10	<2	.01
SND475-11	<2	.05
SND475-12	<2	<.01
SND475-13	<2	.70
SND475-14	<2	.34
SND475-15	<2	.01
SND475-17	<2	.03
SND475-18	9	4.82
SND475-19	<2	.06
SND476-1	<2	.63
SND476-2	<2	.06
SND476-3	<2	.05
SND476-4	<2	.03
SND476-5	4	.08
SND476-6	<2	.12
SND476-7	<2	.01
SND476-8	6	3.13
SND476-9	<2	.04
STANDARD R-2a/SL20	159	6.17

Sample type: DRILL CORE R150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	<.01
SND476-10	4	1.32
RE SND476-10	4	2.52
RRE SND476-10	4	1.38
SND476-11	<2	.04
SND476-12	<2	.07
SND476-13	<2	.05
SND476-14	<2	.03
SND476-15	<2	.79
SND476-16	<2	.53
SND476-17	<2	3.90
SND476-18	2	.71
SND476-19	<2	.17
SND476-20	<2	.11
SND476-21	<2	.04
SND476-22	<2	1.16
SND476-23	2	9.24
SND476-24	<2	.34
SND478-1	3	7.22
SND478-2	12	5.23
SND478-3	4	5.01
SND478-4	3	5.16
SND478-5	<2	.02
SND478-6 (pulp)	8	9.69
SND478-7	<2	.25
SND478-8	<2	.22
SND478-9	<2	.03
SND478-10	<2	.81
SND478-11	2	.50
SND478-12	<2	.09
SND478-12A	21	5.74
SND478-14	<2	.14
SND478-15	<2	.17
SND478-16	<2	.02
SND478-17	<2	.03
STANDARD R-2a/SL20	159	6.06

Sample type: DRILL CORE R150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	.01
SND478-18	<2	.01
SND478-20	<2	.19
SND478-21	4	3.55
STANDARD SF-3/SL20	54	5.93

Sample type: DRILL CORE R150.

ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-19 File # A607467R
1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	S.Wt gm	NAg mg	-Ag gm/mt	TotAg gm/mt
SND472-28 STANDARD SF-3	299 -	.23 -	18 52	19 52

-AG : -150 AG BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAG: AG DUPLICATED FROM -150 MESH. NAG - NATIVE SILVER, TOTAL SAMPLE FIRE ASSAY.
- SAMPLE TYPE: CORE REJ. M150

Notes

Data FA DATE RECEIVED: DEC 15 2006 DATE REPORT MAILED: JAN. 1. 1. 2007



(ISO 9001 Accredited Co.)

ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-19 File # A607467R

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	S.Wt gm	NAu mg	-Au gm/mt	TotAu gm/mt
SND472-28 STANDARD SL20	299 -	2.20 -	18.35 6.21	25.71 6.21

-AU : -150 AU BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAU: AU DUPLICATED FROM -150 MESH. NAU - NATIVE GOLD, TOTAL SAMPLE FIRE ASSAY.
- SAMPLE TYPE: CORE REJ. M150

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Data FA DATE RECEIVED: DEC 15 2006 DATE REPORT MAILED:



GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT ELK06-19 File # A607468

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski



SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se		
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		
G-1	9	2.7	2.4	43	<1	7.0	4.1	535	1.99	<.5	2.8	5.6	3.7	59	<.1	<.1	.1	40	.53	.081	7	89	60	225	.128	1	.94	.076	.51	1<	.01	1.9	4	<.05	5	<5		
SN0468-6	4.2	228	1	568.6	878	24.3	15.5	13.6	802	5.32	109.9	19.4	13032.8	4.3	7	19.9	.7	7.7	8	.17	.051	11	152	11	14	.001	1	35	.008	.30	.2	.03	1.5	1	4.54	1	<5	
SN0469-2	3.1	1652.5	476	4	176	21.6	14.3	6.4	64	5.12	318.4	3.6	11073.1	4.2	2	4.4	.8	4.4	2	.10	.040	5	136	.03	22	.001	1	.30	.004	.28	13	7	.01	.5	1	5.56	1	<5
SN0471-3	4.0	1318	3	444.2	252	10.1	12.0	5.2	64	2.83	171.9	14.3	3518.1	5.1	15	5.2	.8	1.2	1	.09	.026	7	140	.03	20	.001	3	.28	.009	.22	.4	.01	7	1	2.86	1	<5	
SN0472-5	4.1	924.9	645.2	107	70.0	9.8	2.6	126	2.60	81.9	3.8	31486.4	6.4	2	1.5	4.8	15.6	<.1	.03	.012	3	111	.01	24	<.001	2	.16	.003	.18	.4	.06	.1	1	2.79	<.1	<5		
SN0475-5	4.7	125	3	252.4	175	2.2	8.9	5.9	821	2.66	43.5	6.9	635.4	7.8	12	2.7	.3	1.1	10	.19	.044	14	114	.16	49	.001	2	.36	.010	.24	.1	.01	2.1	1	1.12	1	<5	
SN0475-9	5.8	304	1	334	9	218	27.0	10.1	10.5	907	6.18	108.0	3.8	11034.6	6.1	7	1.1	.4	5.3	10	.18	.049	16	109	.17	32	.001	1	.39	.009	.30	2	.01	2.0	2	4.91	2	<5
SN0475-16	4.1	226.3	167.9	60	9.2	9.9	11.7	285	5.16	107.8	12.5	3646	2	5.9	4	1.1	.6	2.3	4	10	.035	8	117	.05	9	.001	1	.31	.005	.28	.2	.01	1.0	1	5.37	1	<5	
SN0478-13	5.3	1952.5	795	5	150	55.9	11.7	4.7	74	4.72	219.9	4.4	26113.6	5.3	4	3.8	5.0	6.5	<.1	.02	.006	4	157	.01	19	<.001	1	.18	.003	.18	.2	.06	.2	2	5.34	<.1	<5	
STANDARD 057	21.5	107.4	67.6	402	1.0	56.6	9.7	648	2.44	48.6	4.8	70.0	4.3	74	6.5	5.5	4.7	82	.95	.081	13	175	1.08	397	.126	40	1.02	.080	.48	3.8	.21	2.5	4.4	.20	5	3	5	

GROUP 10X - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.
 (>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
 - SAMPLE TYPE: DRILL CORE M150

Data FA DATE RECEIVED: OCT 6 2006 DATE REPORT MAILED:.....





ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-19 File # A607468
 1103 - 750 W. Pender St., Vancouver BC V6C 2E8 Submitted by: Wojtek Jakubowski

SAMPLE#	S.Wt gm	NAg mg	-Ag gm/mt	TotAg gm/mt
SND468-6	999	41.72	23	65
SND469-2	1015	41.38	23	63
SND471-3	999	24.90	11	36
SND472-5	1003	182.25	66	248
SND475-5	962	26.02	3	30
SND475-9	836	27.25	26	59
SND475-16	926	21.97	8	32
SND478-13	1047	61.33	53	111
STANDARD R-2a	-	-	54	54

-AG : -150 AG BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAG: AG DUPLICATED FROM -150 MESH. NAG - NATIVE SILVER, TOTAL SAMPLE FIRE ASSAY.
 - SAMPLE TYPE: DRILL CORE M150

Data FA *WJ* DATE RECEIVED: OCT 6 2006 DATE REPORT MAILED:





ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-19 File # A607468

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	S.Wt gm	NAu mg	-Au gm/mt	TotAu gm/mt
SND468-6	999	1.55	16.46	18.01
SND469-2	1015	.12	11.01	11.13
SND471-3	999	.06	4.87	4.93
SND472-5	1003	6.65	69.88	76.51
SND475-5	962	<.01	.78	.78
SND475-9	836	<.01	12.38	12.38
SND475-16	926	.02	3.59	3.61
SND478-13	1047	1.53	29.65	31.11
STANDARD SL20	-	-	5.99	5.99

-AU : -150 AU BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAU: AU DUPLICATED FROM -150 MESH. NAU - NATIVE GOLD, TOTAL SAMPLE FIRE ASSAY.
- SAMPLE TYPE: DRILL CORE M150

Date FA YWS DATE RECEIVED: OCT 6 2006 DATE REPORT MAILED:



ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-20 File # A608069R

1103 - 750 W. Pender St., Vancouver BC V6C 2Y8 Submitted by: Wojtek Jakubowski

SAMPLE#	S.Wt gm	NAg mg	-Ag gm/mE	TotAg gm/mE
SND-477-2	466	2.46	54	59
SND-479-8	299	2.75	38	47
SND-479-9 N.S.	-	-	-	-
SND-481-9	400	4.79	42	54
STANDARD R-3	-	-	195	195

-AG : -150 AG BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAG: AG DUPLICATED FROM -150 MESH. NAG - NATIVE SILVER, TOTAL SAMPLE FIRE ASSAY.
 - SAMPLE TYPE: CORE REJ. M150

Data FA DATE RECEIVED: DEC 16 2006 DATE REPORT MAILED: JAN 05 2007.



ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-20 File # A608069R
1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	S.Wt gm	NAu mg	-Au gm/mt	TotAu gm/mt
SND-477-2	466	1.34	27.56	30.44
SND-479-8	299	1.05	16.76	20.27
SND-479-9 N.S.	-	-	-	-
SND-481-9	400	34.90	33.62	120.87
STANDARD SL20	-	-	6.32	6.32

-AU : -150 AU BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAU: AU DUPLICATED FROM -150 MESH. NAU - NATIVE GOLD, TOTAL SAMPLE FIRE ASSAY.
- SAMPLE TYPE: CORE REJ. M150

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Data FA DATE RECEIVED: DEC 16 2006 DATE REPORT MAILED: JAN 05 2007



GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT ELK06-20 File # A608069 Page 1

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: N / A



Table with columns for elements (Mo, Cu, Pb, Zn, Ag, Bi, Co, Mn, Fe, As, U, Au, Th, Sr, Cd, Sb, B, V, Ca, P, La, Cr, Mg, Ba, Ti, B, Al, Na, K, W, Mg, Sc, Y, S, Ga, Se) and rows for various sample IDs (SND-477-1 to SND-480-7, STANDARD DS7). Columns contain numerical values representing concentrations in ppm or ppb.

GROUP TDX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.

(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY

- SAMPLE TYPE: DRILL CORE R150 Samples beginning 'RE' are Retuns and 'RRE' are Reject Retuns.

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DATE RECEIVED: OCT 20 2006 DATE REPORT MAILED: 11-30-06 A09:58 OUT





SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Sa ppm	Ti %	B %	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm				
G-1	.2	2.8	3.2	42	< 1	4.1	3.9	531	1.82	< 5	2.4	2.3	4.2	61	.1	< .1	.1	38	.55	.073	8	13	57	195	.126	< 1	.03	.082	49	1	.03	1.9	3	< .05	5	< 5				
SND-494-12	1.4	9.6	2.3	44	< 1	1.3	7.8	724	3.09	.8	1.6	< 5	4.7	20	.1	< .1	.1	62	.76	.106	16	4	.72	279	.220	< 1	1.15	.097	.69	.2	< .01	3.2	.4	< .05	5	< 5				
SND-494-13 (pulp)	11.0	60.1	3.6	40	9.2	512.4	15.8	179	3.01	412.1	1	104	6	.4	5	1	54.5	< .1	15	11	.033	6	624	06	27	.002	2	.27	.006	.18	1.4	6	33	1.2	8	1	1.82	1	23	2
SND-494-14	1.7	9.4	3.8	40	< 1	1.6	5.1	941	2.26	3.6	2.5	4.5	6.0	13	.1	.2	< .1	23	.28	.079	16	3	21	173	.031	< 1	.56	.040	.28	< .1	< .01	3.4	1	.07	2	< 5				
SND-494-15	2	37.5	23	3	148	.3	2.3	10.7	2430	3.63	18.2	3.5	46.0	5.3	7	2.1	.6	.1	10	26	.085	16	4	10	238	.002	1	.47	.020	.38	.2	.01	2.4	1	.55	1	< 5			
SND-494-16	1.1	18.5	180	7	965	7	1.7	7.3	1178	2.47	3.8	2.4	74.8	7.3	13	14.3	.3	.1	21	.30	.084	20	3	21	351	.015	1	59	.035	.28	2	.03	3.1	.1	.35	2	< 5			
SND-494-17	.9	70.7	118.1	241	3.1	2.5	8.8	2074	3.38	1882.8	2.3	502.4	7.9	8	3.3	2.4	.9	15	.30	.083	15	3	.22	95	.024	< 1	.62	.019	.39	.1	< .01	2.9	.2	.78	2	< 5				
SND-494-18	38.9	11.5	2.7	21	< 1	.9	2.5	1045	1.97	115	0	2.0	9.3	6.6	24	1	.2	< 1	9	.88	.103	14	6	.31	72	.002	1	1.04	.013	.55	.2	< .01	2.6	.2	< .05	2	< 5			
SND-494-19	8.8	274.8	8.9	47	3.4	1.1	6.0	913	4.05	6	2	2.3	235.6	7.3	31	.4	.7	9	23	1.69	.071	16	3	.43	97	.039	2	1.18	.024	.40	1	< .01	2.7	1	1.56	4	< 5			
SND-494-20	5.5	113.8	6.4	33	6	1.4	4.8	694	2.97	24	1	2.5	23	7	7.3	18	.1	.3	.4	25	1.11	.079	14	5	.35	126	.065	1	.85	.035	.52	.1	< .01	2.4	.2	1.37	3	< 5		
SND-494-21	2.8	80.5	2.7	57	3	2.6	6.0	2241	3.43	8.7	3.5	8.3	6.3	13	.2	.4	.1	16	.50	.087	11	3	.25	109	.025	3	.68	.024	.41	.1	< .01	3.4	.2	.51	2	< 5				
STANDARD DS7	20	0	106.5	66.4	398	.9	54.9	9.7	608	2.35	50.7	4.6	67.0	4.2	68	6.4	5	6	4	5	80	.91	.079	12	161	1.03	375	.119	40	95	.073	44	3.7	.70	2.4	4.2	.19	4	3.4	

Sample type: DRILL CORE R150

ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-20 File # A608069 Page 1
 1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: M / A

SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	.01
SND-477-1	<2	.03
SND-477-2	65	45.10
SND-477-3	<2	.02
SND-477-4	<2	1.45
SND-477-5	<2	.22
SND-477-6	<2	.01
SND-477-7	<2	.02
SND-477-8	<2	.77
SND-477-9	<2	3.85
SND-479-1	<2	<.01
SND-479-2	<2	<.01
SND-479-3	<2	<.01
SND-479-4	<2	.07
SND-479-5	<2	<.01
SND-479-7	<2	.01
SND-479-8	31	21.33
SND-479-9	97	54.95
SND-479-10	<2	.05
SND-479-10A	<2	.03
SND-479-11 (pulp)	8	9.90
SND-479-11A	<2	.09
SND-479-12	<2	.14
RE SND-479-12	<2	.16
RRE SND-479-12	<2	.17
SND-479-13	2	.18
SND-479-14	<2	.43
SND-480-1	<2	.27
SND-480-2	<2	.02
SND-480-3	<2	.22
SND-480-4	<2	.14
SND-480-5	<2	<.01
SND-480-6	<2	.02
SND-480-7	<2	.95
STANDARD SF-3/SL20	53	5.93

GROUP 6 - PRECIOUS METALS BY FIRE ASSAY FROM 1 A.T. SAMPLE, ANALYSIS BY ICP-ES.
 - SAMPLE TYPE: DRILL CORE R150
 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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Data 1 FA _____ DATE RECEIVED: OCT 20 2006 DATE REPORT MAILED:





SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	.01
SND-480-8	4	1.69
SND-480-9	<2	.06
SND-480-10	<2	.33
SND-480-11	<2	<.01
SND-480-12	5	1.09
SND-480-13	5	1.04
SND-480-14	<2	<.01
SND-480-15 (pulp)	9	10.72
SND-480-16	6	1.98
SND-480-17	4	1.43
SND-480-18	7	1.40
RE SND-480-18	6	1.46
RRE SND-480-18	5	1.26
SND-480-19	3	.24
SND-480-20	2	.42
SND-480-21	2	1.69
SND-480-22	<2	<.01
SND-480-23	<2	.01
SND-480-24	<2	.02
SND-480-25	<2	.19
SND-480-26	<2	.04
SND-480-27	<2	.01
SND-480-28	<2	.19
SND-480-29	<2	.24
SND-481-1	<2	.41
SND-481-2	7	.59
SND-481-3	<2	1.23
SND-481-4	<2	.03
SND-481-5	4	1.23
SND-481-6	2	.32
SND-481-7	3	1.81
SND-481-8	<2	.03
SND-481-9	72	82.91
SND-481-10	<2	<.01
STANDARD SF-3/SL20	55	6.18

Sample type: DRILL CORE R150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	<.01
SND-481-11	<2	.09
SND-481-12	2	.70
RE SND-481-12	2	.70
RRE SND-481-12	2	.42
SND-482-1	4	3.85
SND-482-2	<2	.04
SND-482-3	<2	.49
SND-482-4	<2	.02
SND-482-5	<2	.04
SND-482-6	6	1.84
SND-482-7	<2	.02
SND-482-8	6	6.42
SND-482-9	<2	.52
SND-482-10	<2	.13
SND-482-11	<2	.05
SND-483-1	2	.25
SND-483-2	2	.97
SND-483-3	2	.73
SND-483-4	<2	.21
SND-483-5	<2	.10
SND-483-6	3	1.32
SND-483-7	<2	.01
SND-483-8	13	6.02
SND-483-9	<2	.01
SND-484-1	4	2.19
SND-484-2	3	3.25
SND-484-3	5	5.32
SND-484-4	<2	<.01
SND-484-5 (pulp)	8	9.94
SND-484-6	<2	.08
SND-484-7	<2	.45
SND-484-8	<2	.02
SND-484-9	3	.99
SND-484-10	<2	.40
STANDARD SF-3/SL20	54	6.01

Sample type: DRILL CORE R150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	<.01
SND-484-11	<2	.16
SND-484-12	<2	.11
SND-484-13	<2	.67
SND-486-1	<2	.22
SND-486-2	3	.54
SND-486-3	<2	.08
SND-486-4	2	.11
SND-486-5	2	.55
SND-486-6	<2	.18
SND-486-7	<2	.04
SND-486-8	<2	.03
SND-486-9	<2	.01
SND-486-10 (pulp)	16	32.19
SND-486-12	<2	.21
RE SND-486-12	<2	.19
RRE SND-486-12	<2	.21
SND-486-13	<2	.02
SND-486-14	<2	.27
SND-487-1	<2	.05
SND-487-2	<2	<.01
SND-487-3	<2	.01
SND-487-4	<2	.01
SND-487-6	8	.65
SND-487-7	<2	.01
SND-488-1	<2	1.45
SND-488-2	<2	.25
SND-488-3	<2	.41
SND-488-4	<2	.13
SND-488-5	3	.60
SND-488-6	<2	.08
SND-488-7	4	.56
SND-488-8	<2	.07
SND-488-10	<2	.19
SND-488-11	<2	.08
STANDARD SF-3/SL20	55	6.08

Sample type: DRILL CORE R150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	.01
SND-488-12	<2	.03
SND-488-13	<2	.03
SND-488-14	<2	.01
SND-488-15	<2	.17
SND-488-16	<2	.13
SND-488-17	<2	.07
SND-488-18	<2	.02
SND-488-19	<2	.02
SND-488-20	10	9.31
SND-488-21	3	2.80
SND-488-22	3	2.62
SND-488-23	2	.69
SND-488-24	4	.59
SND-488-25	<2	<.01
SND-488-26 (pulp)	8	9.71
SND-488-27	<2	.01
SND-488-28	3	.16
SND-489-1	<2	.30
SND-489-2	13	5.17
RE SND-489-2	12	5.46
RRE SND-489-2	12	5.43
SND-489-3	2	.23
SND-489-4	<2	.02
SND-489-5	<2	.01
SND-490-1	3	1.02
SND-490-2	<2	.02
SND-490-3	<2	.06
SND-490-4	<2	.14
SND-490-5	<2	.01
SND-490-6	<2	.01
SND-490-7	<2	<.01
SND-490-8	<2	.39
SND-490-9	<2	.01
SND-490-11	<2	.02
STANDARD SF-3/SL20	53	6.02

Sample type: DRILL CORE R150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	<.01
SND-490-12	<2	.02
SND-490-13	<2	.01
SND-491-1	<2	.02
SND-491-2	<2	1.04
SND-491-3	4	.88
SND-491-4	<2	<.01
SND-491-5 (pulp)	19	31.30
SND-491-6	2	.51
SND-491-7	<2	.27
SND-491-8	<2	<.01
SND-491-12	<2	.02
RE SND-491-12	<2	.02
RRE SND-491-12	<2	.04
SND-491-13	<2	.13
SND-491-14	2	.44
SND-491-15	<2	.01
SND-491-16	<2	.11
SND-491-17	<2	.01
SND-491-18	<2	.03
SND-491-19	<2	<.01
SND-491-20	<2	.38
SND-491-21	<2	.45
SND-492-1	<2	<.01
SND-492-2	<2	.15
SND-492-3	<2	.01
SND-492-4	<2	.02
SND-492-5	<2	.24
SND-492-6	<2	.03
SND-492-7	<2	.14
SND-492-8	2	.09
SND-492-9	<2	.13
SND-492-10	<2	1.30
SND-492-11	<2	.30
SND-492-12	<2	.09
STANDARD SF-3/SL20	55	5.98

Sample type: DRILL CORE R150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	.01
SND-492-13	<2	.09
SND-492-14	<2	.12
SND-492-15	<2	<.01
SND-492-16 (pulp)	17	37.86
SND-492-17	<2	.02
SND-492-18	<2	.10
SND-492-19	<2	1.04
SND-492-20	4	6.90
SND-492-21	3	3.18
SND-492-22	4	.94
SND-492-23	<2	.28
SND-492-24	8	1.31
SND-492-25	2	.84
SND-492-26	<2	.05
SND-492-27	<2	.03
SND-492-28	2	2.14
SND-492-29	<2	1.27
RE SND-492-29	2	1.60
RRE SND-492-29	<2	1.06
SND-492-30	2	1.55
SND-492-31	4	1.66
SND-492-32	<2	.02
SND-492-33	<2	.20
SND-494-1	<2	.07
SND-494-2	<2	.09
SND-494-3	<2	.15
SND-494-4	<2	.01
SND-494-5	<2	.01
SND-494-6	<2	.01
SND-494-7	18	4.48
SND-494-8	<2	.04
SND-494-9	11	4.38
SND-494-10	<2	.02
SND-494-11	<2	.03
STANDARD SF-3/SL20	55	6.22

Sample type: DRILL CORE R150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	.01
SND-494-12	<2	<.01
SND-494-13 (pulp)	9	10.32
SND-494-14	<2	.01
SND-494-15	<2	.08
SND-494-16	<2	.14
SND-494-17	3	.56
SND-494-18	<2	.02
SND-494-19	3	.20
SND-494-20	<2	.10
SND-494-21	<2	.02
STANDARD SF-3/SL20	54	5.95

Sample type: DRILL CORE R150.

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT ELK06-21 File # A608299 Page 1
1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: K / A



Table with 29 columns (Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Au, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Tl, B, Al, Na, K, W, Hg, Se, Ti, S, Ga, Sb) and 32 rows (SND-493-1 to SND-493-21, STANDARD 057)

GROUP 10X - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-MNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.

(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.

SAMPLE TYPE: DRILL CORE R150 Samples beginning 'RE' are Retuns and 'RRE' are Reject Retuns.



11-24-06 8:03:45 PM

Data FA DATE RECEIVED: OCT 31 2006 DATE REPORT MAILED:

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-21 File # A608299 Page 1

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: N / A

SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	<.01
SND-493-1	<2	.05
SND-493-2	<2	.05
SND-493-3	2	.62
SND-493-4	<2	.06
SND-493-5	<2	.02
SND-493-6	<2	.01
SND-493-7	31	10.66
SND-493-8	4	3.73
SND-493-9	12	.39
SND-493-10	<2	.03
SND-493-11	<2	.01
SND-493-12	2	.01
SND-493-13	<2	.01
SND-493-14 (pulp)	10	9.90
SND-493-15	4	.20
SND-493-16	<2	.07
RE SND-493-16	<2	.08
RRE SND-493-16	<2	.06
SND-493-17	<2	.03
SND-493-18	<2	.02
SND-493-19	<2	.19
SND-493-20	<2	.41
SND-493-21	<2	.07
SND-495-1	5	3.46
SND-495-2	<2	.02
SND-495-3	<2	.08
SND-495-4	<2	.03
SND-495-5	<2	.04
SND-495-6	<2	<.01
SND-495-7	<2	<.01
SND-495-8	<2	.91
SND-495-9	<2	<.01
SND-496-1	<2	.02
SND-496-2	<2	.45
STANDARD SF-3/SL20	56	6.00

GROUP 6 - PRECIOUS METALS BY FIRE ASSAY FROM 1 A.T. SAMPLE, ANALYSIS BY ICP-ES.
- SAMPLE TYPE: DRILL CORE R150
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



Data 1 PA _____ DATE RECEIVED: OCT 31 2006 DATE REPORT MAILED: _____

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.



SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	<.01
SND-496-3	<2	.02
SND-496-4	<2	.38
SND-496-5	<2	.07
SND-496-6	4	1.25
SND-496-7	<2	.07
SND-496-8	<2	.34
SND-496-9	<2	.07
SND-496-10	<2	.01
SND-496-11	<2	.01
SND-496-12	2	1.00
SND-496-13	<2	.43
SND-496-14	9	.33
RE SND-496-14	8	.40
RRE SND-496-14	10	.31
SND-496-15	2	.03
SND-496-16	3	1.21
SND-496-18	<2	.03
SND-496-19	<2	.04
SND-496-20	<2	.03
SND-496-21	<2	.01
SND-496-22 (pulp)	10	9.28
SND-496-23	<2	.01
SND-496-24	2	1.34
SND-496-25	<2	.07
SND-496-26	<2	.01
SND-496-27	<2	4.61
SND-496-28	<2	.18
SND-496-29	<2	.01
SND-496-30	<2	.01
SND-496-31	<2	.03
SND-497-1	<2	.46
SND-497-2	3	.26
SND-497-3	<2	.03
SND-497-4	<2	.32
STANDARD SF-3/SL20	55	5.92

Sample type: DRILL CORE R150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	<.01
SND-497-5	<2	.06
SND-497-6	2	1.04
SND-498-1	<2	.55
SND-498-2	2	.84
SND-498-3	<2	.01
SND-498-4	<2	<.01
SND-498-5	<2	.04
SND-498-6	<2	.09
SND-498-7	<2	.30
SND-498-8	<2	.04
SND-498-9	<2	<.01
SND-498-10	<2	<.01
SND-498-11	<2	.34
SND-498-12	<2	.06
RE SND-498-12	<2	.05
RRE SND-498-12	<2	.09
SND-498-13	<2	.09
SND-498-14	<2	<.01
SND-498-15	<2	.04
SND-498-16	<2	.33
SND-498-17	<2	<.01
SND-498-18	<2	.13
SND-498-19	<2	.18
SND-498-20	<2	.01
SND-498-21 (pulp)	18	35.54
SND-498-22	<2	.09
SND-498-23	<2	.39
SND-498-24	<2	.20
SND-498-25	<2	<.01
SND-498-26	<2	.03
SND-498-27	<2	.01
SND-498-28	<2	<.01
SND-499-1	<2	.13
SND-499-2	<2	.52
STANDARD SF-3/SL20	55	6.05

Sample type: DRILL CORE R150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	<.01
SND-499-3	2	3.22
SND-499-4	<2	.05
SND-499-5	<2	.03
SND-499-6	<2	.02
SND-499-7	<2	.01
SND-499-8 (pulp)	18	34.00
SND-499-9	<2	.02
SND-499-10	<2	.01
SND-499-11	<2	.08
SND-499-12	<2	.04
SND-499-15	<2	.01
SND-499-16	<2	.07
SND-499-17	<2	.50
SND-499-18	<2	.03
SND-499-19	14	3.97
SND-500-1	<2	.18
SND-500-2	<2	.09
SND-500-3	<2	.02
SND-500-4	<2	.45
SND-500-5	<2	.20
SND-500-6	<2	.01
SND-500-7	<2	.46
SND-500-8	<2	.01
SND-500-9	<2	.03
SND-500-10	<2	.20
RE SND-500-10	4	.11
RRE SND-500-10	2	.13
SND-500-11	2	.08
SND-500-12	6	5.25
SND-500-13	<2	.05
SND-500-14	<2	.36
SND-500-15	3	4.17
SND-500-16	<2	.63
SND-500-17	<2	.01
STANDARD SF-3/SL20	54	6.01

Sample type: DRILL CORE R150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	<.01
SND-500-18	<2	<.01
SND-500-19	<2	.56
SND-500-20	<2	.03
SND-500-21	<2	.01
SND-500-22	<2	.03
SND-500-23 (pulp)	10	9.14
SND-500-24	<2	.04
SND-500-25	<2	<.01
SND-500-26	<2	.07
SND-500-27	<2	1.19
SND-500-28	<2	.26
SND-500-29	<2	.21
SND-500-30	<2	.02
SND-500-31	<2	.03
SND-500-32	5	.75
SND-500-33	<2	.50
SND-500-34	15	6.38
SND-500-35	<2	.14
SND-500-36	<2	.03
SND-500-37	<2	.02
RE SND-500-37	<2	.02
RRE SND-500-37	<2	.03
SND-501-1	<2	.13
SND-501-2	<2	.02
SND-501-3	<2	.49
SND-501-4	<2	<.01
SND-501-5	<2	.28
SND-501-6	<2	<.01
SND-501-7	<2	.10
SND-501-8	3	.89
SND-501-9	<2	.02
SND-501-10	<2	.05
SND-501-11	<2	.03
SND-501-12	<2	.08
STANDARD SF-3/SL20	54	5.92

Sample type: DRILL CORE R150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	3	<.01
SND-501-13	27	12.96
SND-501-14	<2	<.01
SND-501-15	3	.09
SND-501-16	<2	<.01
SND-501-17	<2	.09
SND-501-18	<2	<.01
SND-501-19 (pulp)	9	10.07
SND-501-20	3	1.28
SND-502-1	2	.27
SND-502-2	3	.09
SND-502-3	<2	.48
SND-502-4	<2	.03
SND-502-5	9	12.70
SND-502-6	<2	.09
SND-502-7	10	1.77
SND-502-8	<2	<.01
SND-502-9	<2	.50
SND-502-10	5	.43
SND-502-11	9	3.39
SND-502-12	<2	<.01
SND-502-13	106	47.45
SND-502-14	77	37.83
SND-502-15	<2	<.01
RE SND-502-15	<2	<.01
RRE SND-502-15	<2	.15
SND-502-16 (pulp)	11	10.52
SND-502-17	<2	<.01
SND-502-18	10	2.32
SND-502-19	<2	.02
SND-502-20	9	6.78
SND-502-21	6	2.88
SND-502-22	<2	.04
SND-502-23	<2	.02
SND-502-24	<2	.11
STANDARD SF-3/SL20	55	6.20

Sample type: DRILL CORE R150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	<.01
SND-502-25	11	3.26
SND-502-26	<2	.05
SND-502-27	9	1.32
SND-502-28	<2	.05
SND-502-29	<2	.01
SND-502-30	<2	.01
SND-502-31	5	.49
SND-503-1	<2	.07
SND-503-2	5	.45
SND-503-3	<2	<.01
SND-503-4	<2	.01
SND-503-5	3	.37
SND-503-6	8	3.66
SND-503-7	<2	.13
SND-503-8	2	.22
SND-503-9	<2	.06
SND-503-10	5	3.16
SND-503-11	18	8.36
SND-503-12	9	.79
SND-503-13	16	.69
SND-503-14	<2	.01
SND-503-15 (pulp)	22	38.44
SND-503-16	<2	.01
SND-503-17	27	2.87
SND-503-18	<2	.03
SND-503-19	28	6.45
RE SND-503-19	22	5.31
RRE SND-503-19	32	7.51
SND-503-20	<2	.06
SND-503-21	<2	.06
SND-503-22	<2	<.01
SND-503-23	17	3.47
SND-503-24	<2	.02
STANDARD SF-3/SL20	55	6.04

Sample type: DRILL CORE R150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.


ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-21 File # A608299R
 1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	S.Wt gm	NAu mg	-Au gm/mt	TotAu gm/mt
SND-502-13	560	13.95	44.19	69.10
SND-502-14	459	15.69	12.39	46.57
STANDARD SL20	-	-	6.17	6.17

-AU : -150 AU BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAU: AU DUPLICATED FROM -150 MESH. NAU - NATIVE GOLD, TOTAL SAMPLE FIRE ASSAY.
 - SAMPLE TYPE: CORE REJECT N15

Data FA  DATE RECEIVED: DEC 2 2006 DATE REPORT MAILED:.....DEC 19 2006



ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-21 File # A608299R
 1103 - 750 W. Pender St., Vancouver BC V6C 2Y8 Submitted by: Wojtek Jakubowski

SAMPLE#	S.Wt gm	NAg mg	-Ag gm/mT	TotAg gm/mT
SND-502-13	560	5.99	106	117
SND-502-14	459	8.14	32	50
STANDARD R-2a	-	-	201	2

-AG : -150 AG BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAG: AG DUPLICATED FROM -150 MESH. NAG - NATIVE SILVER, TOTAL SAMPLE FIRE ASSAY.
 - SAMPLE TYPE: CORE REJECT M15

Data FA *Vinc* DATE RECEIVED: DEC 2 2006 DATE REPORT MAILED: **DEC 19 2006**





GEOCHEMICAL ANALYSIS CERTIFICATE



Almaden Minerals Ltd. PROJECT BLK06-21 File # A608300
 1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: N / A

SAMPLE#	Mo	Cu	Pb	Zr	Ag	Mn	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se			
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm			
SND-496-17	1.8	538.3	81.9	105	7.8	1.8	5.0	484	4.40	187	7	1.4	1767	3	3	1	3	2.3	2.0	2.8	2	11	.039	4	6	.04	18	.001	<1	47	.005	29	4	.01	6	1	4.06	1	<.5
SND-499-13	3.0	261.9	534.5	320	88.5	6.5	64.6	674	22.63	2795.4	10.5	47451.1	2	3	10	7.1	4.3	26.1	6	14	.032	5	3	.15	7	.001	<1	29	.007	.12	.2	.04	1.1	.2	>10	1	1.2		
SND-499-14	1.6	221.5	339.5	1377	7.1	2.7	4.7	561	2.65	1016.7	19.9	3613.4	7	8	19	30.9	1.5	1.0	8	15	.039	8	5	17	41	.001	<1	35	.006	.19	.2	.03	1.2	.1	1.49	1	<.5		
STANDARD 957	19.9	105.4	68.1	407	.8	53.8	9.6	617	2.37	47.4	4.7	48.3	4.2	66	6.3	5.5	4.5	83	.91	.080	10	164	1.04	365	.102	39	.96	.079	44	3.2	.20	2.4	4.0	.20	4	3.2			

GROUP 10X - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.
 (>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
 - SAMPLE TYPE: DRILL CORE M150

11-23-06 P02:04 OUT

Data 1 FA _____ DATE RECEIVED: OCT 31 2006 DATE REPORT MAILED:



ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-21 File # A608300
 1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: N / A

SAMPLE#	S.Wt gm	NAu mg	-Au gm/mt	TotAu gm/mt
SND-496-17	476	.38	3.44	4.24
SND-499-13	535	2.24	45.11	49.30
SND-499-14	500	.23	3.99	4.45
STANDARD SL20	-	-	6.00	6.00

-AU : -150 AU BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAU: AU DUPLICATED FROM -150 MESH. NAU - NATIVE GOLD, TOTAL SAMPLE FIRE ASSAY.
 - SAMPLE TYPE: DRILL CORE M150

Data FA *VH* → DATE RECEIVED: OCT 31 2006 DATE REPORT MAILED: 11-28-06 P02:25 OUT



ASSAY CERTIFICATE



Almaden Minerals Ltd. PROJECT ELK06-21 File # A608300

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: N / A

SAMPLE#	S.Wt gm	NAg mg	-Ag gm/mT	TotAg gm/mT
SND-496-17	476	.46	7	8
SND-499-13	535	1.38	94	96
SND-499-14	500	.44	8	8
STANDARD SF-3	-	-	54	54

-AG : -150 AG BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAG: AG DUPLICATED FROM -150 MESH. NAG - NATIVE SILVER, TOTAL SAMPLE FIRE ASSAY.
 - SAMPLE TYPE: DRILL CORE M150

11-28-06 P02:25 OUT

Data FA *VIA* DATE RECEIVED: OCT 31 2006 DATE REPORT MAILED:.....



ASSAY CERTIFICATE



Almaden Minerals Ltd. File # A701429

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Wojtek Jakubowski

SAMPLE#	Au** gm/mt
ELKRR06-1	6.58
RE ELKRR06-1	5.18
ELKRR06-2	2.80
ELKRR06-3	5.66
ELKRR06-4	7.49
ELKRR06-5	1.69
ELKRR06-6	11.66
ELKRR06-7	3.23
ELKRR06-8	.19
ELKRR06-9	5.03
ELKRR06-10	28.79
ELKRR06-11	12.90
ELKRR06-12	5.86
ELKRR06-13	72.18
STANDARD SL20	5.94

GROUP 6 - PRECIOUS METALS BY FIRE ASSAY FROM 1 A.T. SAMPLE, ANALYSIS BY ICP-ES.

SAMPLE TYPE: ROCK PULP

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Date 1 PA _____

DATE RECEIVED: MAR 14 2007

DATE REPORT MAILED: ..

March 23/07



Appendix "B"

Table 4: Re-Assayed Sample Summary

Table 4

Re-Assayed Sample Summary 2006

Sample Number	Au ppb G1DX	AU FA g/g G8	AU g/g G1DX	Mean g/g	Variability %	Variance %	Standard deviation	Max-Min	Nmax-Nmin
SED446-6	31.5	0.08	0.032	0.058	87.0	0.12	0.03	0.024	0.049
SED447-12	185.7	0.2	0.188	0.194	5.8	0.01	0.01	0.006	0.011
SED447-4	318	0.55	0.318	0.434	53.5	2.69	0.16	0.116	0.232
SED448-10	43.4	0.02	0.043	0.032	73.8	0.03	0.02	0.012	0.023
SED448-2	121.9	0.14	0.122	0.131	13.8	0.02	0.01	0.009	0.018
SED448-8	512.2	0.21	0.512	0.381	83.7	4.57	0.21	0.151	0.302
SED448-7	25.6	0.18	0.026	0.103	150.2	1.19	0.11	0.077	0.154
SED448-9	1426.1	1.27	1.426	1.348	11.8	1.22	0.11	0.078	0.156
SED449-11	463.3	1.04	0.463	0.752	78.7	16.63	0.41	0.288	0.577
SND06450-20	6674.3	2.95	6.874	4.912	79.9	770.01	2.77	1.862	3.924
SND06450-21	1982.6	4.27	1.383	2.826	102.2	416.85	2.04	1.444	2.887
SND06450-26	228.9	0.34	0.228	0.284	39.1	0.82	0.08	0.056	0.111
SND06450-27	581.9	2.22	0.682	1.401	116.9	184.17	1.16	0.819	1.638
SND06450-29	327.1	0.55	0.327	0.439	50.8	2.48	0.16	0.111	0.223
SND06450-30	54.3	0.1	0.054	0.077	59.2	0.10	0.03	0.023	0.046
SND06450-31	151.7	0.25	0.152	0.201	48.9	0.48	0.07	0.049	0.098
SND06450-34	466.4	0.35	0.466	0.408	28.5	0.68	0.08	0.056	0.116
SND06450-38	61.8	0.07	0.062	0.066	12.4	0.00	0.01	0.004	0.008
SND06450-39	113	0.83	0.113	0.472	152.1	25.70	0.51	0.359	0.717
SND06450-40	239.7	0.75	0.240	0.495	103.1	13.02	0.36	0.255	0.510
SND06450-41	816.9	0.75	0.817	0.683	19.5	0.89	0.09	0.067	0.133
SND06450-44	16.3	0.1	0.018	0.059	138.1	0.33	0.06	0.041	0.082
SND06451-11	1188	0.97	1.188	1.079	20.2	2.38	0.15	0.109	0.218
SND06451-14	650.2	1.83	0.850	1.140	85.9	48.00	0.89	0.490	0.980
SND06451-15	2608.5	2.89	2.607	2.746	10.3	4.02	0.20	0.142	0.284
SND06451-17	4372.1	4.68	4.372	4.466	4.2	1.77	0.13	0.094	0.188
SND06451-19	71.2	0.06	0.071	0.068	17.1	0.01	0.01	0.006	0.011
SND06451-20	210.6	0.12	0.211	0.165	54.8	0.41	0.06	0.045	0.091
SND06451-21	283	0.22	0.283	0.252	25.0	0.20	0.04	0.032	0.063
SND06451-21RE	241.9	0.21	0.242	0.226	14.1	0.05	0.02	0.016	0.032
SND06451-21RRE	212.9	0.22	0.213	0.216	3.3	0.00	0.01	0.004	0.007
SND06451-3	15864.6	14.32	15.865	15.092	10.2	119.29	1.09	0.772	1.545
SND06451-5	142.6	0.16	0.143	0.151	11.5	0.62	0.01	0.009	0.017
SND06452-1	73.7	0.1	0.074	0.087	30.3	0.63	0.02	0.013	0.026
SND06452-2	375.4	0.28	0.375	0.333	25.7	0.36	0.06	0.043	0.085
SND06452-3	152.5	0.08	0.153	0.116	62.4	0.26	0.05	0.036	0.073
SND06452-4	832.1	1.16	0.832	0.998	32.9	5.38	0.23	0.164	0.328
SND06452-4RE	1335.8	1.17	1.336	1.253	13.2	1.37	0.12	0.083	0.166
SND06452-4RRE	1807.2	1.23	1.807	1.619	38.0	18.86	0.41	0.289	0.577
SND06452-8	6554.4	4.61	6.554	5.582	34.8	189.03	1.37	0.972	1.944
SND06452-8	3251.2	3.28	3.251	3.268	0.9	0.04	0.02	0.014	0.028
SND06452-9	65.6	0.16	0.086	0.123	60.6	0.28	0.05	0.037	0.074
SND06453-13	527.5	0.03	0.528	0.279	178.5	12.38	0.35	0.249	0.498
SND06453-15	4.7	0.01	0.005	0.007	72.1	0.00	0.00	0.003	0.005
SND06453-17	37796.4	29.79	37.796	33.793	23.7	3205.12	5.88	4.003	8.006
SND06453-20	35.6	0.04	0.036	0.038	11.6	0.00	0.00	0.002	0.004
SND06453-21	773.8	1.15	0.774	0.962	38.1	7.08	0.27	0.188	0.376
SND06453-21RE	723.7	2.21	0.724	1.487	101.3	110.45	1.05	0.743	1.486
SND06453-21RRE	3853.4	4.32	3.853	4.087	11.4	10.89	0.33	0.233	0.467
SND06453-23	12.8	0.03	0.013	0.021	81.7	0.02	0.01	0.009	0.017
SND06453-5	12	0.02	0.012	0.016	50.0	0.00	0.01	0.004	0.008
SND06453-6	6.3	0.02	0.006	0.013	104.2	0.01	0.01	0.007	0.014
SND06454-11	2.8	0.01	0.003	0.008	117.5	0.00	0.01	0.004	0.007
SND06454-12	5	0.01	0.005	0.008	66.7	0.00	0.00	0.003	0.005
SND06454-23	190	0.5	0.190	0.346	89.9	4.81	0.22	0.155	0.310
SND06454-24	140	0.34	0.140	0.240	83.3	2.00	0.14	0.100	0.200
SND06454-8	149.5	0.63	0.150	0.390	123.3	11.54	0.34	0.240	0.481
SND06455-11	1186.8	2.59	1.187	1.888	74.3	98.48	0.98	0.702	1.403
SND06455-2	61.4	0.13	0.061	0.098	71.7	0.24	0.05	0.034	0.069
SND06455-3	25.3	0.07	0.025	0.048	93.8	0.10	0.03	0.022	0.045
SND06455-4	214.7	0.57	0.215	0.392	90.6	6.31	0.25	0.178	0.355
SND06455-5	1386.3	3.97	1.386	2.668	97.6	338.96	1.84	1.302	2.604
SND06455-8	314.8	0.28	0.315	0.297	11.7	0.06	0.02	0.017	0.035
SND06455-9	11.4	0.03	0.011	0.021	89.9	0.02	0.01	0.009	0.018
SND06456-1	10.8	0.07	0.011	0.040	146.5	0.18	0.04	0.030	0.059
SND06456-12	17578.7	29.88	17.679	23.729	51.8	7586.10	8.70	6.151	12.301
SND06456-15	8723.1	8.89	8.723	8.807	1.9	1.39	0.12	0.083	0.167
SND06456-2	2314	1.79	2.314	2.052	25.5	13.73	0.37	0.282	0.524
SND06457-1	64	0.1	0.064	0.082	43.9	0.06	0.03	0.018	0.036
SND06457-12	2730.2	3.66	2.730	3.146	26.4	34.43	0.59	0.415	0.830
SND06457-14	208.4	0.27	0.208	0.239	25.6	0.19	0.04	0.031	0.062
SND06457-15	382.1	0.93	0.382	0.656	83.5	15.01	0.39	0.274	0.548
SND06457-18	4.4	0.01	0.004	0.007	77.8	0.00	0.00	0.003	0.006
SND06457-18	4026.6	2.43	4.027	3.226	49.5	127.46	1.13	0.798	1.597
SND06457-2	63	0.09	0.063	0.077	35.3	0.04	0.02	0.014	0.027
SND06457-22	143.3	0.24	0.143	0.192	50.5	0.47	0.07	0.048	0.097
SND06457-24	278.9	0.2	0.279	0.239	33.0	0.31	0.06	0.039	0.079
SND06457-26	742.4	0.72	0.742	0.731	3.1	0.03	0.02	0.011	0.022
SND06457-27	54.2	0.14	0.054	0.097	88.4	0.37	0.06	0.043	0.086

Table 4

Re-Assayed Sample Summary 2006

Sample Number	Au ppb G1DX	AU FA g/t Gs	Au g/t G1DX	Mean g/t	Variability %	Variance %	Standard deviation	Nr-Nave	Nmax-Nmin
SED446-6	31.6	0.08	0.032	0.056	67.0	0.12	0.03	0.024	0.049
SED447-12	188.7	0.2	0.169	0.184	5.8	0.01	0.01	0.006	0.011
SED447-4	318	0.55	0.316	0.434	53.5	2.69	0.16	0.116	0.232
SED448-10	49.4	0.02	0.043	0.032	73.8	0.03	0.02	0.012	0.023
SED448-2	121.9	0.14	0.122	0.131	13.8	0.02	0.01	0.009	0.019
SED448-6	512.2	0.21	0.512	0.361	83.7	4.57	0.21	0.151	0.302
SED448-7	25.6	0.18	0.028	0.103	150.2	1.19	0.11	0.077	0.164
SED448-9	1428.1	1.27	1.428	1.348	11.8	1.22	0.11	0.078	0.158
SED449-11	463.3	1.04	0.483	0.752	78.7	16.63	0.41	0.288	0.577
SND06450-20	6874.3	2.95	8.974	4.912	79.9	770.01	2.77	1.962	3.924
SND06450-21	1382.6	4.27	1.383	2.826	102.2	416.85	2.04	1.444	2.887
SND06450-28	228.9	0.34	0.229	0.264	39.1	0.82	0.08	0.066	0.111
SND06450-27	581.9	2.22	0.582	1.401	118.9	134.17	1.18	0.819	1.636
SND06450-29	327.1	0.55	0.327	0.439	50.8	2.48	0.16	0.111	0.223
SND06450-30	54.3	0.1	0.054	0.077	59.2	0.10	0.03	0.023	0.048
SND06450-31	151.7	0.25	0.152	0.201	48.9	0.48	0.07	0.049	0.098
SND06450-34	486.4	0.35	0.488	0.408	28.8	0.68	0.08	0.058	0.118
SND06450-38	61.8	0.07	0.062	0.068	12.4	0.00	0.01	0.004	0.008
SND06450-39	113	0.83	0.113	0.472	152.1	25.70	0.51	0.369	0.717
SND06450-40	238.7	0.75	0.240	0.495	103.1	13.02	0.38	0.253	0.510
SND06450-41	616.9	0.75	0.617	0.683	19.5	0.89	0.09	0.087	0.139
SND06450-44	18.3	0.1	0.018	0.059	138.1	0.33	0.08	0.041	0.082
SND06451-11	1188	0.97	1.188	1.078	20.2	2.38	0.15	0.109	0.218
SND06451-14	650.2	1.83	0.850	1.140	85.9	48.00	0.69	0.490	0.980
SND06451-15	2808.5	2.89	2.807	2.748	10.3	4.02	0.20	0.142	0.284
SND06451-17	4372.1	4.68	4.372	4.489	4.2	1.77	0.13	0.094	0.189
SND06451-19	71.2	0.06	0.071	0.068	17.1	0.01	0.01	0.006	0.011
SND06451-20	210.6	0.12	0.211	0.165	54.8	0.41	0.06	0.045	0.091
SND06451-21	283	0.22	0.283	0.252	25.0	0.20	0.04	0.032	0.063
SND06451-21RE	241.9	0.21	0.242	0.226	14.1	0.05	0.02	0.016	0.032
SND06451-21RRE	212.9	0.22	0.213	0.216	3.3	0.00	0.01	0.004	0.007
SND06451-3	15884.6	14.32	15.885	15.092	10.2	119.29	1.09	0.772	1.545
SND06451-5	142.6	0.16	0.143	0.151	11.5	0.02	0.01	0.009	0.017
SND06452-1	73.7	0.1	0.074	0.087	30.3	0.03	0.02	0.013	0.026
SND06452-2	375.4	0.29	0.375	0.333	28.7	0.36	0.06	0.043	0.085
SND06452-3	152.5	0.08	0.153	0.118	62.4	0.26	0.05	0.036	0.073
SND06452-4	832.1	1.18	0.832	0.996	32.9	5.38	0.23	0.164	0.328
SND06452-4RE	1335.6	1.17	1.336	1.253	13.2	1.37	0.12	0.083	0.166
SND06452-4RRE	1807.2	1.23	1.807	1.519	38.0	16.86	0.41	0.289	0.577
SND06452-6	8564.4	4.61	6.554	5.682	34.8	169.03	1.37	0.972	1.944
SND06452-29	54.2	0.02	0.054	0.037	82.2	0.06	0.02	0.017	0.034
SND06452-3	17.4	0.02	0.017	0.019	13.9	0.00	0.00	0.001	0.003
SND06452-30	230.6	0.38	0.231	0.295	43.8	0.84	0.09	0.065	0.129
SND06452-31	4856	6.81	4.856	5.833	33.5	190.91	1.38	0.977	1.954
SND06452-32	168	2.77	0.168	1.469	177.1	338.52	1.84	1.301	2.602
SND06452-33	276.1	0.31	0.276	0.293	11.6	0.06	0.02	0.017	0.034
SND06452-3RE	8.2	0.03	0.009	0.020	106.1	0.02	0.01	0.010	0.021
SND06452-3RRE	8.8	0.01	0.007	0.008	41.0	0.00	0.00	0.002	0.003
SND06452-4	103	0.06	0.103	0.082	52.8	0.09	0.03	0.022	0.043
SND06452-5	12.2	0.01	0.012	0.011	19.8	0.00	0.00	0.001	0.002
SND06452-6	130.7	0.12	0.131	0.125	8.5	0.01	0.01	0.005	0.011
SND06452-8	935.9	1.72	0.936	1.328	59.0	30.74	0.55	0.392	0.784
SND06458-1	4.2	0.01	0.004	0.007	81.7	0.00	0.00	0.003	0.006
SND06458-12	2.0	0.01	0.003	0.006	110.1	0.00	0.01	0.004	0.007
SND06458-14	517.3	0.91	0.517	0.714	55.0	7.71	0.28	0.196	0.393
SND06458-15	780.8	0.55	0.791	0.670	35.9	2.90	0.17	0.120	0.241
SND06458-16	372.7	0.67	0.373	0.471	41.9	1.95	0.14	0.089	0.177
SND06458-17	73.8	0.06	0.074	0.067	20.6	0.01	0.01	0.007	0.014
SND06458-18	137.5	0.17	0.138	0.154	21.1	0.05	0.02	0.016	0.033
SND06458-19	11.1	0.09	0.011	0.051	168.1	0.31	0.06	0.039	0.079
SND06458-2	14	0.03	0.014	0.022	72.7	0.01	0.01	0.008	0.016
SND06458-20	154.7	0.11	0.155	0.132	33.8	0.10	0.03	0.022	0.046
SND06458-21	102.6	0.09	0.103	0.096	13.3	0.01	0.01	0.008	0.013
SND06458-22	64.3	0.12	0.064	0.092	60.4	0.16	0.04	0.028	0.056
SND06458-23	39.1	0.05	0.033	0.042	40.7	0.01	0.01	0.008	0.017
SND06458-25	64.9	0.15	0.065	0.107	79.2	0.36	0.06	0.043	0.085
SND06458-26	18.9	0.07	0.019	0.044	115.3	0.13	0.04	0.026	0.051
SND06458-27	48.1	0.1	0.046	0.073	73.5	0.15	0.04	0.027	0.054
SND06458-28	21.5	0.04	0.022	0.031	60.2	0.02	0.01	0.009	0.019
SND06458-29	51.7	0.08	0.052	0.066	43.0	0.04	0.02	0.014	0.028
SND06458-3	65.9	0.08	0.058	0.088	35.5	0.03	0.02	0.012	0.024
SND06458-36	193.2	0.12	0.193	0.157	49.7	0.27	0.05	0.037	0.073
SND06458-37	144.8	0.29	0.145	0.217	86.8	1.05	0.10	0.073	0.145
SND06458-38	8.7	0.02	0.007	0.013	99.6	0.01	0.01	0.007	0.013
SND06458-39	25.6	0.06	0.026	0.043	60.4	0.06	0.02	0.017	0.034
SND06458-4	480.5	0.2	0.481	0.340	82.4	3.93	0.20	0.140	0.281
SND06458-40	28.4	0.03	0.028	0.029	5.5	0.00	0.00	0.001	0.002
SND06458-41	76.5	0.04	0.077	0.058	52.7	0.07	0.03	0.018	0.037
SND06458-44	174	0.43	0.174	0.302	84.8	3.28	0.18	0.128	0.256

Table 4

Re-Assayed Sample Summary 2006

Sample Number	Au ppb G1DX	AU FA g/t G8	Au g/t G1DX	Mean g/t	Variability %	Variance %	Standard deviation	Nx-Have	Nmax-Nmin
SED446-6	31.6	0.08	0.032	0.050	87.0	0.12	0.03	0.024	0.049
SED447-12	189.7	0.2	0.189	0.194	6.8	0.01	0.01	0.006	0.011
SED447-4	318	0.55	0.318	0.434	53.6	2.69	0.16	0.115	0.232
SED448-10	43.4	0.02	0.043	0.032	73.9	0.03	0.02	0.012	0.029
SED448-2	121.9	0.14	0.122	0.131	13.9	0.02	0.01	0.009	0.018
SED448-6	612.2	0.21	0.612	0.361	83.7	4.67	0.21	0.151	0.302
SED448-7	26.6	0.18	0.026	0.103	150.2	1.19	0.11	0.077	0.154
SED448-9	1429.1	1.27	1.426	1.348	11.6	1.22	0.11	0.078	0.156
SED449-11	483.3	1.04	0.463	0.752	76.7	16.83	0.41	0.288	0.577
SND06450-20	8874.3	2.85	6.874	4.912	79.9	770.01	2.77	1.962	3.924
SND06450-21	1382.8	4.27	1.383	2.826	102.2	416.85	2.04	1.444	2.897
SND06450-26	228.9	0.34	0.229	0.284	39.1	0.62	0.08	0.058	0.111
SND06450-27	581.9	2.22	0.582	1.401	116.9	134.17	1.18	0.819	1.639
SND06450-29	327.1	0.55	0.327	0.439	60.8	2.46	0.16	0.111	0.223
SND06450-30	54.3	0.1	0.054	0.077	59.2	0.10	0.03	0.023	0.048
SND06450-31	161.7	0.25	0.152	0.201	48.9	0.48	0.07	0.049	0.099
SND06450-34	468.4	0.35	0.466	0.408	28.5	0.68	0.08	0.058	0.116
SND06450-38	61.8	0.07	0.062	0.066	12.4	0.00	0.01	0.004	0.006
SND06450-39	113	0.83	0.113	0.472	152.1	25.70	0.51	0.359	0.717
SND06450-40	239.7	0.75	0.240	0.495	103.1	13.02	0.36	0.255	0.510
SND06450-41	616.9	0.76	0.617	0.683	19.5	0.89	0.09	0.067	0.133
SND06450-44	18.3	0.1	0.018	0.059	136.1	0.33	0.06	0.041	0.082
SND06451-11	1188	0.97	1.188	1.079	20.2	2.39	0.15	0.109	0.218
SND06451-14	850.2	1.63	0.850	1.140	85.9	48.00	0.89	0.490	0.980
SND06451-15	2606.6	2.89	2.607	2.748	10.3	4.02	0.20	0.142	0.284
SND06451-17	4372.1	4.58	4.372	4.468	4.2	1.77	0.13	0.094	0.189
SND06451-19	71.2	0.06	0.071	0.068	17.1	0.01	0.01	0.006	0.011
SND06451-20	210.6	0.12	0.211	0.165	54.8	0.41	0.06	0.045	0.091
SND06451-21	263	0.22	0.283	0.252	25.0	0.20	0.04	0.032	0.063
SND06451-21RE	241.9	0.21	0.242	0.226	14.1	0.05	0.02	0.016	0.032
SND06451-21RRE	212.9	0.22	0.213	0.216	3.3	0.00	0.01	0.004	0.007
SND06451-3	15894.6	14.32	16.866	15.082	10.2	118.29	1.09	0.772	1.545
SND06451-5	142.6	0.16	0.143	0.151	11.6	0.02	0.01	0.009	0.017
SND06452-1	73.7	0.1	0.074	0.087	30.3	0.03	0.02	0.013	0.026
SND06452-2	375.4	0.29	0.375	0.333	25.7	0.36	0.06	0.043	0.085
SND06452-3	152.5	0.08	0.153	0.118	62.4	0.28	0.06	0.036	0.073
SND06452-4	832.1	1.18	0.832	0.998	32.8	8.38	0.23	0.164	0.328
SND06452-4RE	1335.6	1.17	1.336	1.253	13.2	1.37	0.12	0.083	0.166
SND06452-4RRE	1807.2	1.23	1.607	1.519	38.0	18.66	0.41	0.289	0.577
SND06452-6	8554.4	4.81	6.554	5.582	34.8	189.03	1.37	0.972	1.944
SND06458-45	73.8	0.1	0.074	0.087	30.1	0.03	0.02	0.013	0.026
SND06458-46	62.8	0.64	0.063	0.351	164.3	16.66	0.41	0.289	0.577
SND06458-47	44.7	0.05	0.045	0.047	11.2	0.00	0.00	0.003	0.005
SND06458-49	771.8	0.89	0.772	0.791	11.2	0.33	0.06	0.041	0.082
SND06458-8	10	0.02	0.010	0.016	69.7	0.01	0.01	0.006	0.010
SND06458-9	42.6	0.09	0.043	0.066	71.5	0.11	0.03	0.024	0.047
SND06458-9RE	128.6	0.09	0.127	0.108	33.8	0.07	0.03	0.018	0.037
SND06458-9RRE	157.9	0.1	0.158	0.129	44.9	0.17	0.04	0.029	0.058
SND06459-1	33.3	0.09	0.033	0.062	92.0	0.16	0.04	0.028	0.057
SND06459-13	3	0.03	0.003	0.017	163.6	0.04	0.02	0.014	0.027
SND06459-14	15.1	0.02	0.015	0.018	27.9	0.00	0.00	0.002	0.005
SND06459-15	6811.3	8.83	6.811	7.721	23.6	165.36	1.29	0.909	1.819
SND06459-16	62.4	0.1	0.062	0.081	46.3	0.07	0.03	0.019	0.038
SND06459-17	8.5	0.04	0.007	0.023	144.1	0.06	0.02	0.017	0.034
SND06459-18	22	0.08	0.022	0.051	113.7	0.17	0.04	0.029	0.058
SND06459-2	330.7	0.4	0.331	0.365	19.0	0.24	0.05	0.035	0.069
SND06459-23	11	0.03	0.011	0.021	92.7	0.02	0.01	0.010	0.019
SND06459-24	40.3	0.04	0.040	0.040	0.7	0.00	0.00	0.000	0.000
SND06459-25	61.2	0.26	0.081	0.171	104.6	1.60	0.13	0.089	0.179
SND06459-26	2774.5	1.57	2.775	2.172	55.4	72.54	0.85	0.602	1.205
SND06459-28	5	0.01	0.005	0.008	66.7	0.00	0.00	0.003	0.005
SND06459-3	158.8	0.25	0.159	0.204	44.6	0.42	0.06	0.046	0.091
SND06459-30	176.8	0.14	0.177	0.158	23.2	0.07	0.03	0.018	0.037
SND06459-30A	304.1	0.9	0.304	0.602	99.0	17.75	0.42	0.288	0.586
SND06459-31	816.8	2.92	0.817	1.868	112.6	221.17	1.49	1.052	2.103
SND06459-31A	204.2	0.5	0.204	0.352	84.0	4.37	0.21	0.148	0.296
SND06459-32	1828	1.82	1.928	1.874	6.8	0.58	0.08	0.054	0.108
SND06459-32A	82.2	0.18	0.062	0.121	97.3	0.69	0.08	0.059	0.118
SND06459-37	799.2	0.85	0.798	0.894	12.7	0.39	0.06	0.044	0.088
SND06459-37RE	733.8	0.69	0.734	0.697	10.6	0.27	0.05	0.037	0.074
SND06459-37RRE	736	0.74	0.736	0.736	0.6	0.00	0.00	0.002	0.004
SND06459-38	238.7	0.46	0.239	0.349	63.3	2.45	0.16	0.111	0.221
SND06459-4	183.3	0.22	0.183	0.202	18.2	0.07	0.03	0.016	0.037
SND06459-6	39.9	0.05	0.040	0.045	22.5	0.01	0.01	0.006	0.010
SND06460-1	48	0.04	0.046	0.043	14.0	0.00	0.00	0.003	0.006
SND06460-13	2	0.01	0.002	0.006	133.3	0.00	0.01	0.004	0.008
SND06460-15	2239.5	4.58	2.240	3.410	68.6	273.60	1.65	1.170	2.341
SND06460-17	100	0.32	0.100	0.210	104.8	2.42	0.18	0.110	0.220
SND06460-18	1180.3	1.14	1.180	1.165	4.3	0.13	0.04	0.026	0.050

Table 4

Re-Assayed Sample Summary 2006

Sample Number	Au ppb G10X	AU FA g/t G6	Au g/t G10X	Mean g/t	Variability %	Variance %	Standard deviation	Nx-Nave	Nmax-Nmin
SED446-6	31.5	0.06	0.032	0.056	87.0	0.12	0.03	0.024	0.049
SED447-12	188.7	0.2	0.169	0.194	5.8	0.01	0.01	0.006	0.011
SED447-4	318	0.55	0.318	0.434	53.5	2.69	0.18	0.116	0.232
SED448-10	43.4	0.02	0.043	0.032	73.8	0.03	0.02	0.012	0.023
SED448-2	121.9	0.14	0.122	0.131	13.8	0.02	0.01	0.009	0.018
SED448-8	512.2	0.21	0.512	0.361	83.7	4.57	0.21	0.151	0.302
SED448-7	25.6	0.18	0.026	0.103	150.2	1.19	0.11	0.077	0.154
SED448-9	1426.1	1.27	1.426	1.348	11.6	1.22	0.11	0.078	0.156
SED449-11	483.3	1.04	0.463	0.752	76.7	16.63	0.41	0.288	0.577
SND06450-20	6874.3	2.95	6.874	4.812	78.9	770.01	2.77	1.862	3.924
SND06450-21	1362.6	4.27	1.383	2.828	102.2	416.85	2.04	1.444	2.887
SND06450-26	228.9	0.34	0.229	0.284	39.1	0.62	0.08	0.058	0.111
SND06450-27	581.9	2.22	0.582	1.401	118.9	134.17	1.18	0.819	1.638
SND06450-29	327.1	0.55	0.327	0.439	50.8	2.48	0.16	0.111	0.223
SND06450-30	64.3	0.1	0.064	0.077	59.2	0.10	0.03	0.023	0.046
SND06450-31	151.7	0.25	0.152	0.201	48.9	0.46	0.07	0.049	0.096
SND06450-34	466.4	0.35	0.466	0.408	28.5	0.68	0.08	0.058	0.116
SND06450-36	91.8	0.07	0.062	0.066	12.4	0.00	0.01	0.004	0.006
SND06450-38	113	0.83	0.113	0.472	152.1	25.70	0.51	0.359	0.717
SND06450-40	239.7	0.75	0.240	0.495	103.1	13.02	0.36	0.255	0.510
SND06450-41	616.9	0.75	0.617	0.683	19.8	0.89	0.09	0.067	0.133
SND06450-44	16.3	0.1	0.016	0.059	138.1	0.33	0.06	0.041	0.082
SND06451-11	1188	0.97	1.188	1.079	20.2	2.38	0.15	0.109	0.218
SND06451-14	850.2	1.63	0.850	1.140	85.9	48.00	0.89	0.480	0.980
SND06451-15	2605.5	2.89	2.607	2.748	10.3	4.02	0.20	0.142	0.284
SND06451-17	4372.1	4.56	4.372	4.466	4.2	1.77	0.13	0.094	0.188
SND06451-19	71.2	0.06	0.071	0.066	17.1	0.01	0.01	0.006	0.011
SND06451-20	210.6	0.12	0.211	0.165	54.8	0.41	0.06	0.045	0.091
SND06451-21	263	0.22	0.263	0.252	25.0	0.20	0.04	0.032	0.063
SND06451-21RE	241.9	0.21	0.242	0.226	14.1	0.05	0.02	0.016	0.032
SND06451-21RRE	212.9	0.22	0.213	0.218	3.3	0.00	0.01	0.004	0.007
SND06451-3	15684.6	14.32	15.685	15.092	10.2	119.26	1.09	0.772	1.545
SND06451-5	142.6	0.18	0.143	0.151	11.5	0.02	0.01	0.009	0.017
SND06452-1	73.7	0.1	0.074	0.087	30.3	0.03	0.02	0.013	0.026
SND06452-2	375.4	0.29	0.375	0.333	25.7	0.36	0.06	0.043	0.085
SND06452-3	162.5	0.08	0.163	0.116	62.4	0.26	0.05	0.036	0.073
SND06452-4	832.1	1.16	0.832	0.996	32.9	5.36	0.23	0.164	0.326
SND06452-4RE	1935.8	1.17	1.336	1.263	13.2	1.37	0.12	0.083	0.166
SND06452-4RRE	1807.2	1.23	1.807	1.519	38.0	16.66	0.41	0.269	0.577
SND06452-6	6554.4	4.61	6.554	5.562	34.8	189.03	1.37	0.972	1.944
SND06460-19	37.6	0.12	0.036	0.079	104.6	0.34	0.06	0.041	0.082
SND06460-2	12.9	0.02	0.013	0.016	43.2	0.00	0.01	0.004	0.007
SND06460-20	11.3	0.03	0.011	0.021	90.6	0.02	0.01	0.009	0.019
SND06460-21	16.6	0.06	0.016	0.036	105.3	0.06	0.03	0.021	0.041
SND06460-22	19.8	0.05	0.020	0.035	66.5	0.05	0.02	0.015	0.030
SND06460-23	59	0.13	0.059	0.065	76.1	0.25	0.05	0.036	0.071
SND06460-24	5447.4	7.89	5.447	6.669	36.6	298.31	1.73	1.221	2.443
SND06460-25	75.7	0.14	0.076	0.108	59.6	0.21	0.05	0.032	0.064
SND06460-26	667.6	0.92	0.668	0.794	31.8	3.19	0.18	0.126	0.252
SND06460-26RE	470.7	1.03	0.471	0.750	74.5	15.54	0.40	0.280	0.569
SND06460-26RRE	530.9	0.83	0.531	0.680	44.0	4.47	0.21	0.150	0.299
SND06460-27	12561.4	2.83	12.561	7.691	126.4	4726.28	6.67	4.861	9.721
SND06460-3	10.7	0.03	0.011	0.020	94.8	0.02	0.01	0.010	0.019
SND06460-31	27	0.05	0.027	0.044	76.9	0.05	0.02	0.017	0.033
SND06460-33	43.8	0.14	0.044	0.092	104.7	0.46	0.07	0.048	0.096
SND06460-35	52.7	0.16	0.053	0.106	100.9	0.58	0.08	0.054	0.107
SND06460-37	24.9	0.04	0.025	0.032	48.8	0.01	0.01	0.008	0.015
SND06460-38	50.6	0.09	0.051	0.070	58.0	0.08	0.03	0.020	0.039
SND06460-39	79	0.28	0.079	0.170	106.8	1.84	0.13	0.091	0.181
SND06460-40	21.3	0.06	0.021	0.041	95.2	0.07	0.03	0.019	0.039
SND06460-41	143.6	0.45	0.144	0.297	103.2	4.69	0.22	0.153	0.306
SND06460-42	729.6	1.1	0.730	0.915	40.5	6.86	0.26	0.185	0.370
SND06460-43	1	0.01	0.001	0.008	183.8	0.00	0.01	0.005	0.009
SND06460-47	96	0.05	0.096	0.074	64.9	0.12	0.03	0.024	0.048
SND06460-48	24	0.07	0.024	0.047	97.9	0.11	0.03	0.023	0.046
SND06460-49	74.2	0.06	0.074	0.067	21.2	0.01	0.01	0.007	0.014
SND06460-50	717.4	0.61	0.717	0.664	16.2	0.56	0.06	0.054	0.107
SND06460-51	31.9	0.15	0.032	0.091	129.6	0.70	0.08	0.059	0.116
SND06460-6	537.3	3.75	0.637	2.144	149.9	516.07	2.27	1.606	3.213
SND06460-7	1188.4	0.5	1.188	0.844	81.5	23.89	0.49	0.344	0.688
SND06461-1	15.1	0.02	0.015	0.018	27.9	0.00	0.00	0.002	0.005
SND06461-10	35.5	0.09	0.036	0.063	86.9	0.15	0.04	0.027	0.055
SND06461-11	114.6	0.16	0.115	0.137	33.1	0.10	0.03	0.023	0.045
SND06461-12	293	0.72	0.293	0.507	84.3	9.12	0.30	0.214	0.427
SND06461-13	129.9	0.16	0.130	0.145	20.8	0.05	0.02	0.015	0.030
SND06461-14	34	0.08	0.034	0.047	55.3	0.03	0.02	0.013	0.026
SND06461-15	69.8	0.09	0.064	0.077	34.1	0.03	0.02	0.013	0.026
SND06461-16	67.6	0.13	0.068	0.109	39.0	0.09	0.03	0.021	0.042
SND06461-17	644.5	0.66	0.545	0.602	19.2	0.67	0.06	0.058	0.116

Table 4 Re-Assayed Sample Summary 2006									
Sample Number	Au ppb G1DX	AU FA g/t G6	Au g/t G1DX	Mean g/t	Variability %	Variance %	Standard deviation	Nx-Nave	Nmax-Nmin
SED448-6	31.5	0.08	0.032	0.056	87.0	0.12	0.03	0.024	0.049
SED447-12	168.7	0.2	0.189	0.194	5.6	0.01	0.01	0.006	0.011
SED447-4	318	0.55	0.318	0.434	53.5	2.69	0.16	0.118	0.232
SED448-10	43.4	0.02	0.043	0.032	73.8	0.03	0.02	0.012	0.023
SED448-2	121.9	0.14	0.122	0.131	13.6	0.02	0.01	0.009	0.016
SED448-8	512.2	0.21	0.512	0.361	83.7	4.57	0.21	0.151	0.302
SED448-7	25.6	0.19	0.026	0.103	150.2	1.19	0.11	0.077	0.154
SED448-9	1426.1	1.27	1.426	1.348	11.6	1.22	0.11	0.078	0.156
SED449-11	483.3	1.04	0.463	0.752	76.7	16.63	0.41	0.288	0.577
SND06450-20	6874.3	2.85	6.874	4.912	79.9	770.01	2.77	1.962	3.924
SND06450-21	1382.6	4.27	1.383	2.826	102.2	416.85	2.04	1.444	2.887
SND06450-26	228.9	0.34	0.229	0.284	39.1	0.62	0.06	0.056	0.111
SND06450-27	581.9	2.22	0.582	1.401	116.9	134.17	1.16	0.619	1.638
SND06450-29	327.1	0.55	0.327	0.439	50.8	2.46	0.16	0.111	0.223
SND06450-30	54.3	0.1	0.054	0.077	59.2	0.10	0.03	0.023	0.048
SND06450-31	151.7	0.25	0.152	0.201	48.9	0.48	0.07	0.049	0.098
SND06450-34	466.4	0.35	0.466	0.406	28.5	0.66	0.06	0.058	0.118
SND06450-38	61.6	0.07	0.062	0.066	12.4	0.00	0.01	0.004	0.008
SND06450-39	113	0.83	0.113	0.472	152.1	25.70	0.51	0.359	0.717
SND06450-40	239.7	0.75	0.240	0.495	103.1	13.02	0.36	0.255	0.510
SND06450-41	616.9	0.75	0.617	0.603	19.5	0.69	0.09	0.067	0.133
SND06450-44	18.3	0.1	0.018	0.059	138.1	0.33	0.06	0.041	0.082
SND06451-11	1188	0.97	1.188	1.079	20.2	2.38	0.15	0.109	0.216
SND06451-14	650.2	1.63	0.650	1.140	65.9	46.00	0.69	0.490	0.980
SND06451-15	2606.6	2.89	2.607	2.749	10.3	4.02	0.20	0.142	0.284
SND06451-17	4372.1	4.56	4.372	4.498	4.2	1.77	0.13	0.094	0.188
SND06451-19	71.2	0.06	0.071	0.068	17.1	0.01	0.01	0.006	0.011
SND06451-20	210.6	0.12	0.211	0.165	54.8	0.41	0.06	0.045	0.091
SND06451-21	283	0.22	0.283	0.252	25.0	0.20	0.04	0.032	0.063
SND06451-21RE	241.9	0.21	0.242	0.226	14.1	0.05	0.02	0.016	0.032
SND06451-21RRE	212.9	0.22	0.213	0.216	3.3	0.00	0.01	0.004	0.007
SND06451-3	15884.6	14.32	15.885	15.092	10.2	119.29	1.09	0.772	1.545
SND06451-5	142.6	0.16	0.143	0.151	11.5	0.02	0.01	0.009	0.017
SND06452-1	73.7	0.1	0.074	0.087	30.3	0.03	0.02	0.013	0.026
SND06452-2	376.4	0.29	0.375	0.333	25.7	0.36	0.06	0.043	0.085
SND06452-3	162.5	0.08	0.163	0.118	62.4	0.26	0.05	0.036	0.073
SND06452-4	832.1	1.16	0.832	0.996	32.9	5.38	0.23	0.164	0.326
SND06452-4RE	1335.8	1.17	1.336	1.253	13.2	1.37	0.12	0.083	0.166
SND06452-4RRE	1807.2	1.23	1.807	1.519	38.0	16.66	0.41	0.289	0.577
SND06452-6	6554.4	4.61	6.554	5.582	34.8	189.03	1.37	0.972	1.944
SND06461-20	3	0.01	0.003	0.007	107.7	0.00	0.00	0.004	0.007
SND06461-23	850	1.64	0.850	1.245	63.5	31.21	0.58	0.395	0.790
SND06461-24	336.6	0.68	0.339	0.609	86.8	14.64	0.38	0.271	0.541
SND06461-25	8786.6	0.95	6.767	4.668	161.0	3070.77	5.54	3.818	7.637
SND06461-26	508.9	6.89	0.509	3.699	172.5	2035.92	4.51	3.191	6.381
SND06461-27	432.9	0.61	0.433	0.621	60.7	7.11	0.27	0.189	0.377
SND06461-29	320.6	0.83	0.321	0.675	86.5	12.97	0.36	0.255	0.509
SND06461-3	25777.9	16.75	25.778	22.264	31.6	2469.57	4.97	3.514	7.028
SND06461-30	17	0.09	0.017	0.054	136.4	0.27	0.05	0.037	0.073
SND06461-31	5	0.02	0.005	0.013	120.0	0.01	0.01	0.008	0.015
SND06461-32	282.2	0.66	0.282	0.471	80.2	7.14	0.27	0.189	0.378
SND06461-4	9	0.05	0.009	0.030	139.0	0.08	0.03	0.021	0.041
SND06461-4RE	4	0.03	0.004	0.017	152.9	0.03	0.02	0.013	0.026
SND06461-4RRE	19.9	0.04	0.020	0.030	67.1	0.02	0.01	0.010	0.020
SND06461-5	170.6	0.17	0.171	0.170	0.4	0.00	0.00	0.000	0.001
SND06461-6	126.8	0.04	0.127	0.083	104.1	0.36	0.06	0.043	0.087
SND06461-7	9.4	0.05	0.009	0.030	136.7	0.08	0.03	0.020	0.041
SND06461-8	43.7	0.11	0.044	0.077	66.3	0.22	0.05	0.033	0.066
SND06461-9	9.9	0.03	0.010	0.020	100.8	0.02	0.01	0.010	0.020
SND06462-10	25.5	0.06	0.026	0.043	60.7	0.06	0.02	0.017	0.035
SND06462-11	415.5	0.56	0.416	0.488	29.6	1.04	0.10	0.072	0.145
SND06462-12	6	0.04	0.008	0.024	133.3	0.05	0.02	0.016	0.032
SND06462-13	16.5	0.03	0.017	0.023	56.1	0.01	0.01	0.007	0.014
SND06462-15	6	0.01	0.006	0.008	50.0	0.00	0.00	0.002	0.004
SND06462-15RE	4.1	0.01	0.004	0.007	63.7	0.00	0.00	0.003	0.006
SND06462-18	676.9	0.66	0.679	0.799	26.4	2.40	0.15	0.109	0.219
SND06462-17	240.3	1.46	0.240	0.650	143.5	74.38	0.66	0.810	1.220
SND06462-18	2	0.01	0.002	0.006	133.3	0.00	0.01	0.004	0.008
SND06462-2	10.2	0.03	0.010	0.020	98.5	0.02	0.01	0.010	0.020
SND06462-20	4	0.01	0.004	0.007	85.7	0.00	0.00	0.003	0.006
SND06462-21	5595.9	6.34	5.596	5.998	12.5	27.68	0.53	0.372	0.744
SND06462-22	10631.6	3.56	10.632	7.096	99.7	2500.38	5.00	3.536	7.072
SND06462-23	41.1	0.07	0.041	0.056	52.0	0.04	0.02	0.014	0.029
SND06462-24	25.9	0.03	0.026	0.028	14.7	0.00	0.00	0.002	0.004
SND06462-26	10.5	0.01	0.011	0.010	4.9	0.00	0.00	0.000	0.001
SND06462-27	14.9	0.01	0.015	0.012	39.4	0.00	0.00	0.002	0.005
SND06462-28	1350.5	0.67	1.351	1.010	67.4	23.15	0.46	0.340	0.681
SND06462-29	474.6	0.26	0.475	0.362	62.0	2.52	0.16	0.112	0.225
SND06462-30	3	0.01	0.003	0.007	107.7	0.00	0.00	0.004	0.007

Table 4

Re-Assayed Sample Summary 2006

Sample Number	Au ppb G10X	Al FA g/t	Au g/t G10X	Mean g/t	Variability %	Variance %	Standard deviation	Nx-Nave	Nmax-Nmin
SED446-6	31.6	0.08	0.032	0.056	87.0	0.12	0.03	0.024	0.049
SED447-12	188.7	0.2	0.189	0.194	5.8	0.01	0.01	0.006	0.011
SED447-4	318	0.56	0.318	0.434	53.6	2.69	0.16	0.118	0.232
SED448-10	43.4	0.02	0.043	0.032	73.8	0.03	0.02	0.012	0.023
SED448-2	121.9	0.14	0.122	0.131	13.8	0.02	0.01	0.009	0.018
SED448-8	512.2	0.21	0.512	0.361	83.7	4.67	0.21	0.151	0.302
SED448-7	25.6	0.16	0.026	0.103	150.2	1.19	0.11	0.077	0.164
SED448-9	1426.1	1.27	1.426	1.346	11.6	1.22	0.11	0.078	0.156
SED448-11	463.3	1.04	0.483	0.752	76.7	16.83	0.41	0.288	0.577
SND06450-20	6874.3	2.95	6.874	4.812	79.9	770.01	2.77	1.862	3.924
SND06450-21	1382.8	4.27	1.383	2.826	102.2	416.85	2.04	1.444	2.867
SND06450-26	228.8	0.34	0.229	0.284	39.1	0.62	0.08	0.056	0.111
SND06450-27	581.9	2.22	0.562	1.401	116.9	134.17	1.16	0.819	1.638
SND06450-29	327.1	0.55	0.327	0.439	50.8	2.48	0.18	0.111	0.223
SND06450-30	54.9	0.1	0.054	0.077	89.2	0.10	0.03	0.023	0.046
SND06450-31	161.7	0.25	0.162	0.201	49.9	0.48	0.07	0.049	0.098
SND06450-34	466.4	0.35	0.466	0.408	28.5	0.68	0.08	0.058	0.116
SND06450-38	61.8	0.07	0.062	0.068	12.4	0.00	0.01	0.004	0.008
SND06450-39	113	0.83	0.113	0.472	162.1	25.70	0.51	0.359	0.717
SND06450-40	239.7	0.75	0.240	0.495	103.1	13.02	0.36	0.255	0.510
SND06450-41	618.9	0.75	0.617	0.683	19.5	0.69	0.09	0.087	0.133
SND06450-44	18.3	0.1	0.018	0.059	138.1	0.33	0.06	0.041	0.082
SND06451-11	1199	0.97	1.188	1.079	20.2	2.38	0.15	0.109	0.218
SND06451-14	660.2	1.83	0.660	1.140	85.9	48.00	0.69	0.490	0.980
SND06451-15	2605.5	2.89	2.607	2.748	10.3	4.02	0.20	0.142	0.284
SND06451-17	4372.1	4.69	4.372	4.468	4.2	1.77	0.13	0.094	0.188
SND06451-19	71.2	0.06	0.071	0.068	17.1	0.01	0.01	0.006	0.011
SND06451-20	210.8	0.12	0.211	0.165	54.8	0.41	0.08	0.045	0.091
SND06451-21	283	0.22	0.283	0.252	25.0	0.20	0.04	0.032	0.063
SND06451-21RE	241.8	0.21	0.242	0.226	14.1	0.05	0.02	0.018	0.032
SND06451-21RRE	212.9	0.22	0.213	0.216	3.3	0.00	0.01	0.004	0.007
SND06451-3	15864.6	14.32	15.865	15.062	10.2	119.29	1.09	0.772	1.545
SND06451-5	142.8	0.16	0.143	0.181	11.5	0.02	0.01	0.009	0.017
SND06452-1	73.7	0.1	0.074	0.087	30.3	0.03	0.02	0.013	0.026
SND06452-2	375.4	0.29	0.375	0.333	25.7	0.36	0.06	0.043	0.085
SND06452-3	152.5	0.08	0.183	0.118	82.4	0.28	0.08	0.036	0.073
SND06452-4	832.1	1.18	0.832	0.998	32.9	5.38	0.23	0.164	0.328
SND06452-4RE	1335.8	1.17	1.336	1.253	13.2	1.37	0.12	0.083	0.166
SND06452-4RRE	1807.2	1.23	1.807	1.519	36.0	16.69	0.41	0.289	0.577
SND06452-6	6554.4	4.61	6.554	5.682	34.8	189.03	1.37	0.972	1.944
SND06462-31	75	0.16	0.076	0.118	72.3	0.39	0.09	0.043	0.085
SND06462-32	66666.6	77.7	66.667	72.283	15.0	5868.13	7.66	5.417	10.833
SND06462-33	48	0.09	0.048	0.069	60.9	0.09	0.03	0.021	0.042
SND06462-34	4919.5	8.55	4.920	5.785	28.4	132.83	1.15	0.815	1.631
SND06462-4	4.1	0.02	0.004	0.012	132.0	0.01	0.01	0.006	0.016
SND06462-5	18	0.05	0.018	0.034	94.1	0.05	0.02	0.016	0.032
SND06462-6	194.7	0.7	0.195	0.447	113.0	12.77	0.39	0.253	0.505
SND06462-7	33	0.05	0.033	0.042	41.0	0.01	0.01	0.009	0.017
SND06462-8	29.2	0.03	0.029	0.030	2.7	0.00	0.00	0.000	0.001
SND06462-9	174.8	0.14	0.176	0.187	22.1	0.06	0.02	0.017	0.035
SND06463-1	2.5	0.01	0.003	0.006	120.0	0.00	0.01	0.004	0.008
SND06463-10	25.8	0.07	0.026	0.048	92.3	0.10	0.03	0.022	0.044
SND06463-11	1.3	0.02	0.001	0.011	175.8	0.02	0.01	0.009	0.019
SND06463-12	165.3	0.29	0.165	0.228	54.8	0.78	0.09	0.062	0.126
SND06463-13	187.4	0.22	0.187	0.204	16.0	0.05	0.02	0.016	0.033
SND06463-14	1.1	0.01	0.001	0.006	160.4	0.00	0.01	0.004	0.009
SND06463-16	199.2	0.19	0.199	0.195	4.7	0.00	0.01	0.005	0.009
SND06463-17	25.6	0.04	0.026	0.033	43.9	0.01	0.01	0.007	0.014
SND06463-18	15.9	0.03	0.016	0.023	61.4	0.01	0.01	0.007	0.014
SND06463-19	305.8	0.29	0.308	0.298	5.2	0.01	0.01	0.008	0.016
SND06463-2	13	0.03	0.013	0.022	79.1	0.01	0.01	0.009	0.017
SND06463-20	1.8	0.02	0.002	0.011	167.0	0.02	0.01	0.009	0.018
SND06463-21	83	0.04	0.083	0.062	89.9	0.09	0.03	0.022	0.043
SND06463-22	28.6	0.07	0.029	0.049	84.0	0.09	0.03	0.021	0.041
SND06463-23	7564.3	7.83	7.564	7.697	3.5	3.53	0.19	0.133	0.266
SND06463-24	61.7	0.12	0.062	0.091	84.2	0.17	0.04	0.029	0.058
SND06463-25	171.7	0.26	0.172	0.216	40.9	0.39	0.06	0.044	0.088
SND06463-26	16.6	0.05	0.017	0.033	100.3	0.06	0.02	0.017	0.033
SND06463-27	33.3	0.08	0.033	0.057	82.4	0.11	0.03	0.023	0.047
SND06463-28	13.1	0.02	0.013	0.017	41.7	0.00	0.00	0.003	0.007
SND06463-29	14.6	0.05	0.015	0.032	109.6	0.06	0.03	0.018	0.036
SND06463-29RE	24.4	0.04	0.024	0.032	48.4	0.01	0.01	0.008	0.016
SND06463-29RRE	6.7	0.02	0.007	0.013	99.8	0.01	0.01	0.007	0.013
SND06463-3	31.8	0.05	0.032	0.041	44.5	0.02	0.01	0.009	0.018
SND06463-30	29.3	0.08	0.029	0.046	66.8	0.05	0.02	0.015	0.031
SND06463-31	2.8	0.02	0.003	0.011	154.0	0.02	0.01	0.009	0.017
SND06463-32	8.9	0.04	0.009	0.024	127.2	0.05	0.02	0.016	0.031
SND06463-33	3.6	0.01	0.004	0.007	84.1	0.00	0.00	0.003	0.006
SND06463-35	37	0.05	0.037	0.044	29.9	0.01	0.01	0.007	0.013

Table 4

Re-Assayed Sample Summary 2006

Sample Number	Au ppb G10X	AU FA g/t Gt	Au g/t G10X	Mean g/t	Variability %	Variance %	Standard deviation	Nx-Nave	Nmax-Nmin
SED446-6	31.5	0.06	0.032	0.058	67.0	0.12	0.03	0.024	0.049
SED447-12	168.7	0.2	0.189	0.194	5.8	0.01	0.01	0.006	0.011
SED447-4	318	0.55	0.318	0.434	53.5	2.66	0.16	0.116	0.232
SED448-10	43.4	0.02	0.043	0.032	73.8	0.03	0.02	0.012	0.023
SED448-2	121.9	0.14	0.122	0.131	13.8	0.02	0.01	0.009	0.018
SED448-6	512.2	0.21	0.512	0.381	83.7	4.57	0.21	0.161	0.302
SED448-7	25.6	0.18	0.028	0.103	150.2	1.19	0.11	0.077	0.154
SED448-9	1426.1	1.27	1.426	1.348	11.6	1.22	0.11	0.078	0.158
SED448-11	463.3	1.04	0.463	0.752	78.7	15.83	0.41	0.288	0.577
SND06450-20	6874.3	2.95	6.874	4.912	79.9	770.01	2.77	1.962	3.924
SND06450-21	1382.6	4.27	1.383	2.826	102.2	418.85	2.04	1.444	2.887
SND06450-26	228.9	0.34	0.228	0.284	39.1	0.82	0.08	0.066	0.111
SND06450-27	581.9	2.22	0.582	1.401	118.9	134.17	1.18	0.819	1.636
SND06450-28	327.1	0.55	0.327	0.439	50.8	2.46	0.16	0.111	0.223
SND06450-30	54.3	0.1	0.054	0.077	69.2	0.10	0.03	0.023	0.046
SND06450-31	161.7	0.25	0.152	0.201	48.9	0.48	0.07	0.049	0.098
SND06450-34	466.4	0.35	0.466	0.408	28.5	0.68	0.08	0.058	0.116
SND06450-38	61.8	0.07	0.062	0.066	12.4	0.00	0.01	0.004	0.008
SND06450-39	113	0.63	0.113	0.472	152.1	25.70	0.51	0.359	0.717
SND06450-40	239.7	0.75	0.240	0.495	103.1	13.02	0.36	0.255	0.510
SND06450-41	616.9	0.75	0.617	0.683	19.5	0.89	0.09	0.067	0.133
SND06450-44	18.3	0.1	0.018	0.056	138.1	0.33	0.06	0.041	0.082
SND06451-11	1188	0.97	1.188	1.079	20.2	2.38	0.15	0.109	0.218
SND06451-14	660.2	1.63	0.650	1.140	85.9	48.00	0.69	0.490	0.980
SND06451-15	2606.6	2.89	2.607	2.748	10.3	4.02	0.20	0.142	0.284
SND06451-17	4372.1	4.56	4.372	4.466	4.2	1.77	0.13	0.094	0.188
SND06451-19	71.2	0.06	0.071	0.066	17.1	0.01	0.01	0.008	0.011
SND06451-20	210.6	0.12	0.211	0.165	54.8	0.41	0.06	0.045	0.091
SND06451-21	263	0.22	0.263	0.252	25.0	0.20	0.04	0.032	0.063
SND06451-21RE	241.9	0.21	0.242	0.226	14.1	0.05	0.02	0.016	0.032
SND06451-21RRE	212.9	0.22	0.213	0.216	3.3	0.00	0.01	0.004	0.007
SND06451-3	15884.6	14.32	15.885	15.692	10.2	119.29	1.09	0.772	1.545
SND06451-5	142.8	0.16	0.143	0.151	11.5	0.02	0.01	0.009	0.017
SND06452-1	73.7	0.1	0.074	0.087	30.3	0.03	0.02	0.013	0.026
SND06452-2	375.4	0.29	0.375	0.333	25.7	0.38	0.06	0.043	0.085
SND06452-3	152.5	0.06	0.153	0.116	62.4	0.26	0.05	0.036	0.073
SND06452-4	832.1	1.16	0.832	0.996	32.9	5.38	0.23	0.164	0.328
SND06452-4RE	1335.6	1.17	1.336	1.253	13.2	1.37	0.12	0.083	0.166
SND06452-4RRE	1807.2	1.23	1.807	1.519	38.0	16.66	0.41	0.289	0.577
SND06452-6	6554.4	4.81	6.554	6.582	34.8	189.03	1.37	0.972	1.944
SND06463-37	28058.8	19.33	28.059	23.694	36.8	3809.60	6.17	4.394	8.729
SND06463-38	5281.6	8.28	5.282	6.781	44.2	449.52	2.12	1.499	2.998
SND06463-4	575.2	1.12	0.575	0.848	84.3	14.84	0.39	0.272	0.545
SND06463-5	6.5	0.17	0.007	0.088	185.3	1.34	0.12	0.082	0.164
SND06463-6	82.9	0.12	0.083	0.101	36.6	0.07	0.03	0.018	0.037
SND06463-7	518.9	0.67	0.519	0.594	25.4	1.14	0.11	0.078	0.151
SND06463-8	12.7	0.06	0.013	0.031	119.0	0.07	0.03	0.019	0.037
SND06463-9	41.9	0.06	0.042	0.051	35.5	0.02	0.01	0.009	0.018
SND06464-1	25.1	0.02	0.025	0.029	22.6	0.00	0.00	0.003	0.005
SND06464-10	10373.1	13.83	10.373	12.102	28.6	597.51	2.44	1.728	3.457
SND06464-11	210	0.59	0.210	0.400	95.0	7.22	0.27	0.190	0.380
SND06464-12	36.9	0.04	0.037	0.038	8.1	0.00	0.00	0.002	0.003
SND06464-14	16	0.01	0.016	0.013	46.2	0.00	0.00	0.003	0.006
SND06464-15	11.2	0.04	0.011	0.026	112.5	0.04	0.02	0.014	0.029
SND06464-16	1529.5	2.53	1.530	2.030	49.3	50.05	0.71	0.500	1.001
SND06464-17	6465.7	5.87	6.466	5.568	3.7	2.08	0.14	0.102	0.204
SND06464-18	3089.1	3.53	3.089	3.310	13.3	9.72	0.31	0.220	0.441
SND06464-19	3434.7	1.16	3.435	2.297	99.0	258.71	1.61	1.137	2.275
SND06464-20	220.9	0.17	0.221	0.195	26.0	0.13	0.04	0.025	0.051
SND06464-21	3	0.01	0.003	0.007	107.7	0.00	0.00	0.004	0.007
SND06464-22	27.4	0.05	0.027	0.039	58.4	0.03	0.02	0.011	0.023
SND06464-23	202.6	0.08	0.203	0.141	86.8	0.75	0.09	0.061	0.123
SND06464-23RE	28.6	0.06	0.030	0.045	68.2	0.05	0.02	0.015	0.031
SND06464-23RRE	30.6	0.12	0.031	0.076	118.7	0.40	0.06	0.045	0.089
SND06464-24	30.4	0.04	0.030	0.035	27.3	0.00	0.01	0.005	0.010
SND06464-26	645.3	0.55	0.645	0.598	15.9	0.45	0.07	0.048	0.095
SND06464-27	33.9	0.07	0.034	0.052	69.5	0.07	0.03	0.018	0.036
SND06464-28	24.4	0.03	0.024	0.027	20.6	0.00	0.00	0.003	0.006
SND06464-29	181.2	0.2	0.181	0.191	9.9	0.02	0.01	0.009	0.019
SND06464-3	124.2	0.16	0.124	0.152	36.7	0.16	0.04	0.028	0.056
SND06464-4	179.6	0.17	0.180	0.175	5.4	0.00	0.01	0.005	0.009
SND06464-7	227.9	0.37	0.228	0.299	47.8	1.01	0.10	0.071	0.142
SND06465-1	13.1	0.02	0.013	0.017	41.7	0.00	0.00	0.003	0.007
SND06465-10	26.1	0.06	0.026	0.043	78.7	0.06	0.02	0.017	0.034
SND06465-11	166.2	0.14	0.166	0.153	17.1	0.03	0.02	0.013	0.026
SND06465-12	33.6	0.03	0.034	0.032	11.3	0.00	0.00	0.002	0.004
SND06465-13	139.7	0.24	0.140	0.190	52.8	0.50	0.07	0.050	0.100
SND06465-14	9.5	0.02	0.010	0.015	71.2	0.01	0.01	0.005	0.011
SND06465-15	25.6	0.06	0.026	0.043	60.4	0.06	0.02	0.017	0.034

Table 4

Re-Assayed Sample Summary 2006

Sample Number	Au ppb G1DX	AU FA g/t G6	Au g/t G1DX	Mean g/t	Variability %	Variance %	Standard deviation	Nx-Mave	Nmax-Nmin
SED446-6	31.5	0.08	0.032	0.056	87.0	0.12	0.03	0.024	0.046
SED447-12	188.7	0.2	0.189	0.164	3.6	0.01	0.01	0.006	0.011
SED447-4	316	0.55	0.318	0.434	53.5	2.89	0.16	0.116	0.232
SED448-10	43.4	0.02	0.043	0.032	73.8	0.03	0.02	0.012	0.023
SED448-2	121.9	0.14	0.122	0.131	13.8	0.02	0.01	0.009	0.018
SED448-5	512.2	0.21	0.512	0.381	83.7	4.57	0.21	0.151	0.302
SED448-7	25.6	0.18	0.028	0.103	150.2	1.18	0.11	0.077	0.154
SED448-9	1426.1	1.27	1.426	1.348	11.6	1.22	0.11	0.078	0.156
SED449-11	463.3	1.04	0.463	0.752	76.7	18.83	0.41	0.268	0.577
SND06450-20	6874.3	2.95	6.874	4.912	79.9	770.01	2.77	1.962	3.924
SND06450-21	1382.5	4.27	1.383	2.826	102.2	416.85	2.04	1.444	2.887
SND06450-26	228.9	0.34	0.229	0.284	39.1	0.82	0.08	0.056	0.111
SND06450-27	581.9	2.22	0.582	1.401	116.9	134.17	1.18	0.819	1.638
SND06450-29	327.1	0.55	0.327	0.439	50.8	2.46	0.16	0.111	0.223
SND06450-30	54.3	0.1	0.054	0.077	59.2	0.10	0.03	0.023	0.046
SND06450-31	151.7	0.25	0.152	0.201	48.9	0.48	0.07	0.049	0.098
SND06450-34	466.4	0.35	0.466	0.408	28.5	0.88	0.08	0.058	0.116
SND06450-38	61.8	0.07	0.062	0.066	12.4	0.00	0.01	0.004	0.008
SND06450-39	113	0.83	0.113	0.472	152.1	25.70	0.81	0.359	0.717
SND06450-40	239.7	0.75	0.240	0.495	103.1	13.02	0.36	0.255	0.510
SND06450-41	616.9	0.75	0.617	0.683	19.5	0.89	0.09	0.067	0.133
SND06450-44	18.3	0.1	0.018	0.059	138.1	0.33	0.08	0.041	0.082
SND06451-11	1188	0.97	1.188	1.079	20.2	2.38	0.15	0.109	0.218
SND06451-14	650.2	1.83	0.650	1.140	85.8	48.00	0.89	0.490	0.980
SND06451-15	2606.5	2.89	2.607	2.748	10.3	4.02	0.20	0.142	0.284
SND06451-17	4372.1	4.86	4.372	4.466	4.2	1.77	0.13	0.094	0.188
SND06451-19	71.2	0.08	0.071	0.088	17.1	0.01	0.01	0.006	0.011
SND06451-20	210.8	0.12	0.211	0.185	54.8	0.41	0.06	0.045	0.091
SND06451-21	283	0.22	0.283	0.262	25.0	0.20	0.04	0.032	0.063
SND06451-21RE	241.9	0.21	0.242	0.228	14.1	0.05	0.02	0.015	0.032
SND06451-21RRE	212.9	0.22	0.213	0.218	3.9	0.00	0.01	0.004	0.007
SND06451-3	15864.6	14.32	15.865	15.092	10.2	119.29	1.09	0.772	1.545
SND06451-5	142.8	0.16	0.143	0.151	11.5	0.02	0.01	0.009	0.017
SND06452-1	73.7	0.1	0.074	0.087	30.3	0.03	0.02	0.013	0.026
SND06452-2	375.4	0.29	0.375	0.333	25.7	0.36	0.06	0.043	0.085
SND06452-3	152.5	0.08	0.153	0.116	62.4	0.26	0.05	0.036	0.073
SND06452-4	832.1	1.16	0.832	0.996	32.9	5.36	0.23	0.164	0.328
SND06452-4RE	1335.8	1.17	1.336	1.263	13.2	1.37	0.12	0.083	0.166
SND06452-4RRE	1807.2	1.23	1.807	1.519	38.0	18.88	0.41	0.289	0.577
SND06452-6	6554.4	4.81	6.554	5.592	34.8	169.03	1.37	0.972	1.944
SND06455-10	5.8	0.04	0.006	0.023	149.3	0.08	0.02	0.017	0.034
SND06455-17	12.3	0.04	0.012	0.026	105.9	0.04	0.02	0.014	0.028
SND06455-18	7.4	0.04	0.007	0.024	137.6	0.05	0.02	0.015	0.033
SND06455-2	13.2	0.04	0.013	0.027	100.8	0.04	0.02	0.013	0.027
SND06455-20	5.5	0.01	0.006	0.008	58.1	0.00	0.00	0.002	0.006
SND06455-24	8.1	0.03	0.008	0.019	118.0	0.02	0.02	0.011	0.022
SND06455-3	13.7	0.07	0.014	0.042	134.5	0.18	0.04	0.028	0.058
SND06455-6	3.2	0.02	0.003	0.012	144.8	0.01	0.01	0.008	0.017
SND06455-9	8	0.01	0.008	0.009	22.2	0.00	0.00	0.001	0.002
SND06460-1	103.9	0.22	0.103	0.162	72.2	0.88	0.08	0.058	0.117
SND06460-14	254.6	0.89	0.255	0.487	91.0	9.05	0.30	0.213	0.425
SND06460-16	550.1	0.5	0.550	0.525	9.5	0.13	0.04	0.026	0.050
SND06460-16	73.8	0.09	0.074	0.082	19.6	0.01	0.01	0.008	0.016
SND06460-17	35.3	0.03	0.035	0.033	16.2	0.00	0.00	0.003	0.005
SND06460-19	8.1	0.02	0.008	0.014	84.7	0.01	0.01	0.008	0.012
SND06460-4	0.7	0.04	0.001	0.020	193.1	0.08	0.03	0.020	0.039
SND06467-1	3.2	0.01	0.003	0.007	103.0	0.00	0.00	0.003	0.007
SND06467-11	78.3	0.25	0.078	0.164	104.8	1.47	0.12	0.085	0.172
SND06467-12	3220.7	2.5	3.221	2.860	25.2	25.97	0.51	0.360	0.721
SND06467-13	8	0.04	0.008	0.024	133.3	0.05	0.02	0.016	0.032
SND06467-14	34205.7	35.21	34.208	34.708	2.9	50.43	0.71	0.502	1.004
SND06467-15	4	0.05	0.004	0.027	170.4	0.11	0.03	0.023	0.046
SND06467-16	5.4	0.03	0.005	0.018	139.0	0.03	0.02	0.012	0.025
SND06467-17	10837.8	11.09	10.838	10.964	2.3	3.18	0.18	0.128	0.252
SND06467-19	13.2	0.04	0.013	0.027	100.8	0.04	0.02	0.013	0.027
SND06467-20	20.8	0.05	0.021	0.036	83.3	0.04	0.02	0.015	0.029
SND06467-21	593.3	0.82	0.593	0.807	4.4	0.04	0.02	0.013	0.027
SND06467-23	0.8	0.01	0.001	0.005	170.4	0.00	0.01	0.005	0.009
SND06467-25	2	0.08	0.002	0.031	187.1	0.17	0.04	0.029	0.058
SND06467-26RE	2.8	0.01	0.003	0.006	112.5	0.00	0.01	0.004	0.007
SND06467-26RRE	0.25	0.02	0.000	0.010	165.1	0.02	0.01	0.010	0.020
SND06467-27	1.7	0.01	0.002	0.006	141.9	0.00	0.01	0.004	0.008
SND06467-28	25.2	0.04	0.026	0.033	45.4	0.01	0.01	0.007	0.015
SND06467-29	39.8	0.04	0.040	0.040	0.5	0.00	0.00	0.000	0.000
SND06467-3	27.9	0.01	0.028	0.019	94.5	0.02	0.01	0.009	0.018
SND06467-30	5.7	0.01	0.008	0.008	54.8	0.00	0.00	0.002	0.004
SND06467-31	8	0.03	0.008	0.019	115.8	0.02	0.02	0.011	0.022
SND06467-4	1.8	0.01	0.002	0.006	139.0	0.00	0.01	0.004	0.008
SND06467-8	1.3	0.01	0.001	0.006	154.0	0.00	0.01	0.004	0.009

Table 4

Re-Assayed Sample Summary 2008

Sample Number	Au ppb G1DX	Al FA g/t G6	Au g/t G1DX	Mean g/t	Variability %	Variance %	Standard deviation	Nx-Nave	Nmax-Nmin
SED446-8	31.5	0.08	0.032	0.058	87.0	0.12	0.03	0.024	0.049
SED447-12	188.7	0.2	0.189	0.194	5.8	0.01	0.01	0.006	0.011
SED447-4	318	0.55	0.318	0.434	53.6	2.09	0.16	0.116	0.232
SED448-10	43.4	0.02	0.043	0.032	73.8	0.03	0.02	0.012	0.023
SED448-2	121.9	0.14	0.122	0.131	13.8	0.02	0.01	0.009	0.018
SED448-6	612.2	0.21	0.512	0.361	83.7	4.57	0.21	0.151	0.302
SED448-7	25.8	0.18	0.026	0.103	150.2	1.19	0.11	0.077	0.154
SED448-8	1426.1	1.27	1.426	1.348	11.6	1.22	0.11	0.078	0.156
SED449-11	463.3	1.04	0.463	0.782	76.7	16.63	0.41	0.268	0.577
SND06450-20	6874.3	2.95	8.874	4.912	79.9	770.01	2.77	1.862	3.924
SND06450-21	1382.6	4.27	1.383	2.826	102.2	416.85	2.04	1.444	2.887
SND06450-26	226.9	0.34	0.229	0.284	39.1	0.82	0.08	0.056	0.111
SND06450-27	681.9	2.22	0.582	1.401	118.9	134.17	1.16	0.819	1.638
SND06450-29	327.1	0.55	0.327	0.439	50.8	2.48	0.16	0.111	0.223
SND06450-30	54.3	0.1	0.064	0.077	59.2	0.10	0.03	0.023	0.046
SND06450-31	151.7	0.25	0.152	0.201	48.9	0.46	0.07	0.048	0.098
SND06450-34	466.4	0.35	0.466	0.408	28.5	0.66	0.08	0.058	0.116
SND06450-38	61.8	0.07	0.062	0.066	12.4	0.00	0.01	0.004	0.008
SND06450-39	113	0.63	0.113	0.472	162.1	25.70	0.51	0.359	0.717
SND06450-40	239.7	0.75	0.240	0.495	103.1	13.02	0.36	0.255	0.510
SND06450-41	818.9	0.75	0.617	0.683	18.5	0.69	0.09	0.067	0.133
SND06450-44	18.3	0.1	0.018	0.069	138.1	0.33	0.06	0.041	0.082
SND06451-11	1188	0.97	1.188	1.079	20.2	2.36	0.15	0.109	0.218
SND06451-14	650.2	1.63	0.650	1.140	85.9	48.00	0.69	0.490	0.980
SND06451-15	2606.5	2.69	2.607	2.748	10.3	4.02	0.20	0.142	0.284
SND06451-17	4372.1	4.56	4.372	4.466	4.2	1.77	0.13	0.094	0.188
SND06451-19	71.2	0.06	0.071	0.066	17.1	0.01	0.01	0.006	0.011
SND06451-20	210.6	0.12	0.211	0.165	54.8	0.41	0.06	0.045	0.091
SND06451-21	383	0.22	0.283	0.252	26.0	0.20	0.04	0.032	0.063
SND06451-21RE	241.9	0.21	0.242	0.228	14.1	0.05	0.02	0.016	0.032
SND06451-21RRE	212.9	0.22	0.213	0.216	3.3	0.00	0.01	0.004	0.007
SND06451-3	15664.6	14.32	15.665	15.992	10.2	118.28	1.09	0.772	1.545
SND06451-5	142.6	0.16	0.143	0.151	11.5	0.02	0.01	0.009	0.017
SND06452-1	73.7	0.1	0.074	0.087	30.3	0.03	0.02	0.013	0.026
SND06452-2	375.4	0.29	0.375	0.333	25.7	0.36	0.08	0.043	0.085
SND06452-3	182.5	0.08	0.153	0.116	62.4	0.26	0.05	0.036	0.073
SND06452-4	832.1	1.16	0.832	0.996	32.9	5.36	0.23	0.164	0.328
SND06452-4RE	1335.8	1.17	1.336	1.253	13.2	1.37	0.12	0.083	0.166
SND06452-4RRE	1807.2	1.23	1.807	1.519	38.0	16.66	0.41	0.289	0.577
SND06452-6	6554.4	4.61	6.554	5.562	34.8	189.03	1.37	0.972	1.944
SND06487-7	160.8	0.29	0.161	0.225	57.3	0.83	0.09	0.065	0.129
SND06487-9	221.1	0.32	0.221	0.271	38.6	0.49	0.07	0.049	0.099
SND06488-1	324	0.77	0.324	0.647	81.6	9.95	0.32	0.223	0.446
SND06488-10	2234.6	2.23	2.235	2.232	0.2	0.00	0.00	0.002	0.005
SND06488-11	1.9	0.01	0.002	0.006	138.1	0.00	0.01	0.004	0.008
SND06488-12	25.6	0.04	0.026	0.033	43.9	0.01	0.01	0.007	0.014
SND06488-13	4.7	0.01	0.005	0.007	72.1	0.00	0.00	0.003	0.005
SND06488-14	6.9	0.02	0.007	0.013	87.4	0.01	0.01	0.007	0.013
SND06488-15	28	0.04	0.028	0.034	35.3	0.01	0.01	0.006	0.012
SND06488-16	9.1	0.01	0.009	0.010	9.4	0.00	0.00	0.000	0.001
SND06488-17	6765.2	3.86	6.765	5.323	54.2	418.22	2.04	1.443	2.885
SND06488-18	435.8	0.89	0.436	0.663	68.5	10.31	0.32	0.227	0.454
SND06488-19	1493.8	2.05	1.494	1.772	31.4	15.48	0.39	0.278	0.556
SND06488-2	89	0.1	0.089	0.095	11.6	0.01	0.01	0.006	0.011
SND06488-20	11.3	0.04	0.011	0.026	111.9	0.04	0.02	0.014	0.029
SND06488-21	53.3	0.11	0.053	0.082	69.4	0.16	0.04	0.028	0.057
SND06488-24	148.4	0.33	0.148	0.238	77.1	1.89	0.13	0.092	0.184
SND06488-25	28.9	0.03	0.029	0.029	4.8	0.00	0.00	0.001	0.001
SND06488-26	63.4	0.09	0.063	0.077	34.7	0.04	0.02	0.013	0.027
SND06488-26RE	46.4	0.09	0.046	0.068	63.9	0.10	0.03	0.022	0.044
SND06488-26RRE	55.6	0.07	0.056	0.063	22.9	0.01	0.01	0.007	0.014
SND06488-27	15.3	0.02	0.016	0.018	25.4	0.00	0.00	0.002	0.006
SND06488-28	1004.6	1.26	1.005	1.132	22.6	3.26	0.18	0.128	0.255
SND06488-28	374.8	0.4	0.375	0.367	6.5	0.03	0.02	0.013	0.025
SND06488-30	35	0.05	0.035	0.043	35.3	0.01	0.01	0.008	0.015
SND06488-31	16.6	0.03	0.017	0.023	57.5	0.01	0.01	0.007	0.013
SND06488-32	1809.5	1.47	1.810	1.540	9.1	0.97	0.10	0.070	0.140
SND06488-33	21	0.04	0.021	0.031	82.3	0.02	0.01	0.010	0.019
SND06488-34	581.8	0.85	0.582	0.608	14.8	0.39	0.06	0.044	0.088
SND06488-35	60	0.15	0.060	0.105	85.7	0.41	0.06	0.046	0.090
SND06488-36	419.1	1.21	0.419	0.815	97.1	31.28	0.56	0.395	0.791
SND06488-37	7208.5	8.45	7.209	6.329	27.8	154.82	1.24	0.879	1.759
SND06488-37RE	5853.5	5.01	5.854	5.432	15.5	36.57	0.60	0.422	0.844
SND06488-37RRE	2118	5.54	2.118	3.828	89.4	588.19	2.42	1.712	3.424
SND06488-38	16.5	0.03	0.017	0.023	58.1	0.01	0.01	0.007	0.014
SND06488-38	12.6	0.02	0.013	0.016	45.4	0.00	0.01	0.004	0.007
SND06488-4	1381.4	1.82	1.381	1.501	18.8	2.85	0.17	0.119	0.239
SND06488-40	6488.1	7.36	6.488	6.909	12.8	38.89	0.62	0.441	0.882
SND06488-41	121.5	0.55	0.122	0.338	127.8	8.18	0.30	0.214	0.429

Table 4

Re-Assayed Sample Summary 2006

Sample Number	Au ppb G1DX	AU FA gt G6	Au gt G1DX	Mean gt	Variability %	Variance %	Standard deviation	Nx-Nave	Nmax-Nmin
SED446-6	31.5	0.06	0.032	0.058	67.0	0.12	0.03	0.024	0.049
SED447-12	188.7	0.2	0.189	0.194	5.8	0.01	0.01	0.006	0.011
SED447-4	318	0.55	0.318	0.434	53.5	2.69	0.16	0.116	0.232
SED448-10	43.4	0.02	0.043	0.032	73.8	0.03	0.02	0.012	0.023
SED448-2	121.9	0.14	0.122	0.131	13.8	0.02	0.01	0.009	0.018
SED448-6	512.2	0.21	0.512	0.361	83.7	4.57	0.21	0.151	0.302
SED448-7	25.6	0.18	0.026	0.103	150.2	1.19	0.11	0.077	0.154
SED448-9	1426.1	1.27	1.426	1.345	11.6	1.22	0.11	0.078	0.156
SED449-11	463.3	1.04	0.463	0.752	76.7	16.63	0.41	0.288	0.577
SND06450-20	6874.3	2.85	6.874	4.912	79.9	770.01	2.77	1.962	3.924
SND06450-21	1382.6	4.27	1.383	2.626	102.2	416.65	2.04	1.444	2.887
SND06450-26	228.9	0.34	0.229	0.284	39.1	0.62	0.08	0.056	0.111
SND06450-27	581.9	2.22	0.582	1.401	116.9	134.17	1.16	0.819	1.636
SND06450-29	327.1	0.55	0.327	0.439	50.8	2.49	0.18	0.111	0.223
SND06450-30	54.3	0.1	0.054	0.077	59.2	0.10	0.03	0.023	0.046
SND06450-31	151.7	0.25	0.152	0.201	45.9	0.48	0.07	0.049	0.096
SND06450-34	466.4	0.35	0.466	0.408	28.5	0.68	0.08	0.058	0.116
SND06450-38	61.6	0.07	0.062	0.068	12.4	0.00	0.01	0.004	0.008
SND06450-39	113	0.83	0.113	0.472	152.1	25.70	0.51	0.359	0.717
SND06450-40	239.7	0.75	0.240	0.485	103.1	13.02	0.36	0.255	0.510
SND06450-41	616.9	0.75	0.617	0.683	19.5	0.69	0.09	0.067	0.133
SND06450-44	18.3	0.1	0.018	0.059	138.1	0.33	0.06	0.041	0.082
SND06451-11	1188	0.87	1.188	1.079	20.2	2.38	0.15	0.109	0.216
SND06451-14	850.2	1.83	0.850	1.140	65.9	48.00	0.69	0.490	0.980
SND06451-15	2606.5	2.89	2.607	2.748	10.3	4.02	0.20	0.142	0.284
SND06451-17	4372.1	4.56	4.372	4.466	4.2	1.77	0.13	0.094	0.188
SND06451-19	71.2	0.06	0.071	0.068	17.1	0.01	0.01	0.006	0.011
SND06451-20	210.6	0.12	0.211	0.165	54.6	0.41	0.06	0.045	0.091
SND06451-21	283	0.22	0.283	0.252	25.0	0.20	0.04	0.032	0.063
SND06451-21RE	241.9	0.21	0.242	0.226	14.1	0.05	0.02	0.016	0.032
SND06451-21RRE	212.9	0.22	0.213	0.218	3.3	0.00	0.01	0.004	0.007
SND06451-3	15864.6	14.32	15.865	15.082	10.2	119.29	1.09	0.772	1.545
SND06451-5	142.6	0.16	0.143	0.151	11.5	0.02	0.01	0.009	0.017
SND06452-1	73.7	0.1	0.074	0.087	30.3	0.03	0.02	0.013	0.026
SND06452-2	375.4	0.29	0.375	0.333	25.7	0.36	0.06	0.043	0.085
SND06452-3	152.5	0.08	0.153	0.116	82.4	0.26	0.05	0.036	0.073
SND06452-4	832.1	1.16	0.832	0.966	32.9	5.39	0.23	0.164	0.326
SND06452-4RE	1335.8	1.17	1.336	1.253	13.2	1.37	0.12	0.083	0.166
SND06452-4RRE	1807.2	1.23	1.807	1.519	38.0	16.66	0.41	0.289	0.577
SND06452-8	6554.4	4.61	6.554	5.582	34.8	189.03	1.37	0.972	1.944
SND06466-42	336.1	0.45	0.336	0.394	28.4	0.83	0.08	0.056	0.112
SND06466-43	5656.8	5.75	5.657	5.703	1.6	0.43	0.07	0.047	0.093
SND06466-44	81.3	0.45	0.081	0.298	138.8	6.80	0.26	0.184	0.369
SND06466-45	7372.8	8.94	7.373	8.156	19.2	122.81	1.11	0.784	1.567
SND06466-5	7.6	0.01	0.008	0.009	24.7	0.00	0.00	0.001	0.002
SND06466-6	13032.8	16.46	13.033	14.746	23.2	587.28	2.42	1.714	3.427
SND06466-7	13.6	0.01	0.014	0.012	30.5	0.00	0.00	0.002	0.004
SND06466-8	34.7	0.03	0.035	0.032	14.3	0.00	0.00	0.002	0.005
SND06466-9	0.25	0.02	0.009	0.010	165.1	0.02	0.01	0.010	0.020
SND06469-1	8.2	0.02	0.006	0.013	105.3	0.01	0.01	0.007	0.014
SND06469-10	329	0.89	0.329	0.810	82.0	15.74	0.40	0.281	0.561
SND06469-11	14.4	0.07	0.014	0.042	131.6	0.15	0.04	0.028	0.056
SND06469-12	12146.8	5.17	12.147	8.658	80.6	2433.79	4.93	3.486	6.977
SND06469-13	47.9	0.23	0.048	0.139	131.1	1.69	0.13	0.081	0.162
SND06469-14	267.2	0.78	0.267	0.524	97.9	13.15	0.38	0.256	0.513
SND06469-15	2.9	0.03	0.003	0.016	164.7	0.04	0.02	0.014	0.027
SND06469-16	1.8	0.02	0.002	0.011	167.0	0.02	0.01	0.009	0.018
SND06469-2	11073.1	11.01	11.073	11.042	0.6	0.20	0.04	0.032	0.063
SND06469-3	7.1	0.04	0.007	0.024	139.7	0.05	0.02	0.016	0.033
SND06469-4	163.7	0.03	0.164	0.097	138.0	0.89	0.09	0.067	0.134
SND06469-5	267.2	0.43	0.267	0.349	46.7	1.33	0.12	0.081	0.163
SND06469-6	2796.6	3.28	2.797	3.036	15.9	11.66	0.34	0.242	0.483
SND06469-7	6760.2	6.31	6.760	6.535	5.3	10.13	0.32	0.225	0.450
SND06469-8	14.3	0.03	0.014	0.022	70.8	0.01	0.01	0.008	0.016
SND06470-1	2.3	0.06	0.002	0.031	185.2	0.17	0.04	0.029	0.058
SND06470-10	16.5	0.03	0.019	0.024	47.4	0.01	0.01	0.006	0.012
SND06470-2	1.9	0.01	0.002	0.006	136.1	0.00	0.01	0.004	0.008
SND06470-3	753.2	2.36	0.753	1.557	103.2	128.09	1.14	0.803	1.607
SND06470-4	42.7	0.07	0.043	0.056	46.4	0.04	0.02	0.014	0.027
SND06470-5	415.1	1.42	0.415	0.918	109.5	50.49	0.71	0.502	1.005
SND06470-6	3161.2	4.4	3.161	3.791	32.2	74.27	0.86	0.609	1.219
SND06470-7	26.8	0.06	0.029	0.044	70.3	0.05	0.02	0.016	0.031
SND06470-8	27	0.06	0.027	0.054	99.1	0.14	0.04	0.027	0.053
SND06470-9	12256.3	15.36	12.256	13.809	22.5	481.03	2.19	1.551	3.102
SND06471-1	45.5	0.05	0.045	0.048	9.4	0.00	0.00	0.002	0.005
SND06471-10	196.9	0.53	0.197	0.363	91.6	5.55	0.24	0.167	0.333
SND06471-11	19.2	0.03	0.010	0.020	98.6	0.02	0.01	0.010	0.020
SND06471-12	79.2	0.19	0.079	0.105	46.6	0.13	0.04	0.025	0.051
SND06471-13	261.2	0.78	0.261	0.531	94.0	12.44	0.35	0.249	0.499

Table 4

Re-Assayed Sample Summary 2006

Sample Number	Au ppb G1DX	AU FA g/t G6	Au g/t G1DX	Mean g/t	Variability %	Variance %	Standard deviation	Nx-Nave	Nmax-Nmin
SED446-6	31.5	0.08	0.032	0.056	67.0	0.12	0.03	0.024	0.049
SED447-12	188.7	0.2	0.189	0.194	5.8	0.01	0.01	0.006	0.011
SED447-4	318	0.55	0.318	0.434	53.5	2.69	0.16	0.116	0.232
SED448-10	43.4	0.02	0.043	0.032	73.8	0.03	0.02	0.012	0.023
SED448-2	121.9	0.14	0.122	0.131	13.8	0.02	0.01	0.009	0.018
SED448-6	512.2	0.21	0.512	0.361	63.7	4.57	0.21	0.151	0.302
SED448-7	25.6	0.18	0.026	0.103	150.2	1.19	0.11	0.077	0.154
SED448-9	1426.1	1.27	1.426	1.348	11.6	1.22	0.11	0.078	0.156
SED449-11	463.3	1.04	0.463	0.752	76.7	16.63	0.41	0.298	0.677
SND06450-20	6874.3	2.95	6.874	4.912	79.9	770.01	2.77	1.962	3.924
SND06450-21	1382.6	4.27	1.383	2.626	102.2	416.65	2.04	1.444	2.867
SND06450-26	228.9	0.34	0.229	0.284	39.1	0.82	0.06	0.056	0.111
SND06450-27	581.9	2.22	0.582	1.401	116.9	134.17	1.16	0.819	1.638
SND06450-29	327.1	0.55	0.327	0.439	50.6	2.48	0.16	0.111	0.223
SND06450-30	54.3	0.1	0.054	0.077	59.2	0.10	0.03	0.023	0.046
SND06450-31	151.7	0.25	0.152	0.201	46.9	0.48	0.07	0.049	0.098
SND06450-34	466.4	0.35	0.466	0.408	28.5	0.89	0.06	0.058	0.116
SND06450-36	61.6	0.07	0.062	0.069	12.4	0.00	0.01	0.004	0.008
SND06450-39	113	0.83	0.113	0.472	152.1	25.70	0.51	0.359	0.717
SND06450-40	239.7	0.75	0.240	0.495	103.1	13.02	0.36	0.255	0.510
SND06450-41	616.9	0.75	0.617	0.683	19.6	0.89	0.09	0.067	0.133
SND06450-44	18.3	0.1	0.018	0.059	136.1	0.33	0.06	0.041	0.082
SND06451-11	1168	0.97	1.168	1.079	20.2	2.36	0.15	0.109	0.218
SND06451-14	660.2	1.63	0.650	1.140	85.9	48.00	0.89	0.490	0.980
SND06451-15	2606.5	2.69	2.607	2.746	10.3	4.02	0.20	0.142	0.284
SND06451-17	4372.1	4.56	4.372	4.466	4.2	1.77	0.13	0.094	0.188
SND06451-19	71.2	0.06	0.071	0.066	17.1	0.01	0.01	0.006	0.011
SND06451-20	210.6	0.12	0.211	0.165	54.8	0.41	0.08	0.045	0.091
SND06451-21	263	0.22	0.293	0.252	25.0	0.20	0.04	0.032	0.063
SND06451-21RE	241.9	0.21	0.242	0.226	14.1	0.05	0.02	0.016	0.032
SND06451-21RRE	212.9	0.22	0.213	0.216	3.3	0.00	0.01	0.004	0.007
SND06451-3	15864.6	14.32	15.865	15.062	10.2	119.29	1.09	0.772	1.545
SND06451-5	142.6	0.16	0.143	0.151	11.5	0.02	0.01	0.009	0.017
SND06452-1	73.7	0.1	0.074	0.087	30.3	0.03	0.02	0.013	0.026
SND06452-2	376.4	0.29	0.375	0.333	25.7	0.36	0.06	0.043	0.085
SND06452-3	152.5	0.08	0.153	0.116	62.4	0.26	0.05	0.036	0.073
SND06452-4	832.1	1.18	0.832	0.996	32.9	6.36	0.23	0.164	0.328
SND06452-4RE	1335.6	1.17	1.336	1.253	13.2	1.37	0.12	0.083	0.166
SND06452-4RRE	1607.2	1.23	1.607	1.519	38.0	16.66	0.41	0.269	0.577
SND06452-6	6554.4	4.61	6.554	5.562	34.8	169.03	1.37	0.972	1.944
SND06471-14	46.6	0.03	0.049	0.039	47.7	0.02	0.01	0.009	0.019
SND06471-15	6339.6	6.56	6.340	6.450	3.4	2.43	0.16	0.110	0.220
SND06471-16	23.9	0.06	0.024	0.042	66.1	0.07	0.03	0.018	0.036
SND06471-17	274.9	0.06	0.275	0.167	126.9	2.31	0.15	0.107	0.215
SND06471-18	156.3	0.51	0.156	0.333	108.2	6.26	0.25	0.177	0.354
SND06471-2	7.1	0.01	0.007	0.009	33.9	0.00	0.00	0.001	0.003
SND06471-21	43.1	0.06	0.043	0.052	32.8	0.01	0.01	0.006	0.017
SND06471-22	2669.7	2.24	2.670	2.455	17.5	9.23	0.30	0.215	0.430
SND06471-23	302.5	0.41	0.303	0.358	30.2	0.58	0.08	0.054	0.108
SND06471-3	3518.1	4.87	3.518	4.194	32.2	91.38	0.96	0.676	1.352
SND06471-4	8.9	0.01	0.008	0.009	11.6	0.00	0.00	0.001	0.001
SND06471-5	10.2	0.04	0.010	0.025	118.7	0.04	0.02	0.015	0.030
SND06471-5RE	12.7	0.03	0.013	0.021	81.0	0.01	0.01	0.009	0.017
SND06471-5RRE	31.4	0.11	0.031	0.071	111.2	0.31	0.06	0.039	0.079
SND06471-7	656.7	0.91	0.656	0.683	6.2	0.15	0.04	0.027	0.054
SND06471-8	7975.5	14.44	7.976	11.208	57.7	2069.49	4.57	3.232	6.465
SND06471-9	2035.4	2.6	2.035	2.318	24.4	15.94	0.40	0.282	0.565
SND06472-1	19.7	0.07	0.020	0.045	112.2	0.13	0.04	0.025	0.050
SND06472-10	41	0.08	0.041	0.061	64.5	0.08	0.03	0.020	0.039
SND06472-11	130.3	0.19	0.130	0.160	37.3	0.16	0.04	0.030	0.060
SND06472-12	559.2	0.44	0.559	0.500	23.9	0.71	0.08	0.060	0.119
SND06472-13	116.6	0.14	0.116	0.129	16.6	0.02	0.02	0.011	0.021
SND06472-14	48.9	0.05	0.049	0.049	2.2	0.00	0.00	0.001	0.001
SND06472-15	16.6	0.02	0.019	0.019	6.2	0.00	0.00	0.001	0.001
SND06472-16	26.4	0.06	0.026	0.043	77.8	0.06	0.02	0.017	0.034
SND06472-17	12.1	0.01	0.012	0.011	19.0	0.00	0.00	0.001	0.002
SND06472-18	33.9	0.01	0.033	0.022	107.6	0.03	0.02	0.012	0.023
SND06472-19	7.9	0.03	0.008	0.019	116.6	0.02	0.02	0.011	0.022
SND06472-2	52.1	0.1	0.052	0.076	63.0	0.11	0.03	0.024	0.046
SND06472-20	5.3	0.01	0.005	0.008	61.4	0.00	0.00	0.002	0.005
SND06472-23	2623.5	4.79	2.624	3.607	51.7	193.36	1.39	0.983	1.967
SND06472-24	40	0.1	0.040	0.070	65.7	0.16	0.04	0.030	0.060
SND06472-24RE	16.1	0.06	0.016	0.046	133.0	0.20	0.05	0.032	0.064
SND06472-24RRE	64.4	0.09	0.064	0.087	6.4	0.00	0.00	0.003	0.006
SND06472-25	2634.6	3.86	2.635	3.357	31.1	54.64	0.74	0.523	1.045
SND06472-26	42	0.05	0.042	0.046	17.4	0.00	0.01	0.004	0.008
SND06472-27	10	0.01	0.010	0.010	0.0	0.00	0.00	0.000	0.000
SND06472-28	21546.8	29.65	21.547	25.588	31.7	3263.09	5.73	4.052	8.103
SND06472-29	33.9	0.06	0.034	0.047	55.6	0.03	0.02	0.013	0.026

Table 4

Re-Assayed Sample Summary 2006

Sample Number	Au ppb G1DX	AU FA g/t G6	Au g/t G1DX	Mean g/t	Variability %	Variance %	Standard deviation	Nx-Nave	Nmax-Nmin
SED446-6	31.5	0.06	0.032	0.056	67.0	0.12	0.03	0.024	0.049
SED447-12	169.7	0.2	0.169	0.194	5.8	0.01	0.01	0.006	0.011
SED447-4	318	0.55	0.318	0.434	53.5	2.89	0.16	0.116	0.232
SED448-10	43.4	0.02	0.043	0.032	73.6	0.03	0.02	0.012	0.023
SED448-2	121.9	0.14	0.122	0.131	13.8	0.02	0.01	0.009	0.019
SED448-8	512.2	0.21	0.512	0.361	83.7	4.57	0.21	0.151	0.302
SED448-7	25.6	0.18	0.026	0.103	150.2	1.19	0.11	0.077	0.154
SED448-9	1426.1	1.27	1.426	1.348	11.6	1.22	0.11	0.078	0.156
SED448-11	463.3	1.04	0.463	0.752	76.7	16.83	0.41	0.268	0.577
SND06450-20	6874.3	2.95	6.874	4.912	79.9	770.01	2.77	1.962	3.924
SND06450-21	1382.6	4.27	1.383	2.826	102.2	416.66	2.04	1.444	2.887
SND06450-26	226.9	0.34	0.229	0.284	39.1	0.62	0.06	0.056	0.111
SND06450-27	581.9	2.22	0.582	1.401	116.9	134.17	1.16	0.819	1.636
SND06450-29	327.1	0.66	0.327	0.439	50.8	2.48	0.16	0.111	0.223
SND06450-30	54.3	0.1	0.054	0.077	68.2	0.10	0.03	0.023	0.046
SND06450-31	151.7	0.25	0.152	0.201	48.9	0.48	0.07	0.049	0.098
SND06450-34	466.4	0.35	0.466	0.408	28.5	0.68	0.08	0.056	0.116
SND06450-36	61.8	0.07	0.062	0.066	12.4	0.00	0.01	0.004	0.008
SND06450-39	113	0.83	0.113	0.472	152.1	25.70	0.51	0.359	0.717
SND06450-40	239.7	0.75	0.240	0.495	103.1	13.02	0.36	0.255	0.510
SND06450-41	616.9	0.75	0.617	0.683	19.5	0.89	0.09	0.067	0.133
SND06450-44	18.3	0.1	0.018	0.059	138.1	0.33	0.06	0.041	0.082
SND06451-11	1189	0.97	1.188	1.079	20.2	2.36	0.15	0.109	0.218
SND06451-14	650.2	1.63	0.650	1.140	65.9	48.00	0.69	0.490	0.980
SND06451-15	2606.5	2.89	2.807	2.746	10.3	4.02	0.20	0.142	0.284
SND06451-17	4372.1	4.56	4.372	4.468	4.2	1.77	0.13	0.094	0.188
SND06451-19	71.2	0.06	0.071	0.066	17.1	0.01	0.01	0.006	0.011
SND06451-20	210.6	0.12	0.211	0.165	54.6	0.41	0.06	0.045	0.091
SND06451-21	283	0.22	0.283	0.252	25.0	0.20	0.04	0.032	0.063
SND06451-21RE	241.9	0.21	0.242	0.228	14.1	0.05	0.02	0.016	0.032
SND06451-21RRE	212.9	0.22	0.213	0.218	3.3	0.00	0.01	0.004	0.007
SND06451-3	15864.6	14.32	15.865	15.092	10.2	119.29	1.09	0.772	1.545
SND06451-5	142.6	0.16	0.143	0.151	11.5	0.02	0.01	0.009	0.017
SND06452-1	73.7	0.1	0.074	0.087	30.3	0.03	0.02	0.013	0.026
SND06452-2	375.4	0.29	0.375	0.333	25.7	0.36	0.06	0.043	0.085
SND06452-3	152.5	0.06	0.153	0.116	62.4	0.26	0.05	0.036	0.073
SND06452-4	832.1	1.18	0.832	0.996	32.9	5.36	0.23	0.164	0.328
SND06452-4RE	1335.8	1.17	1.336	1.253	13.2	1.37	0.12	0.083	0.166
SND06452-4RRE	1807.2	1.23	1.807	1.519	38.0	16.66	0.41	0.289	0.577
SND06452-6	6554.4	4.61	6.554	5.582	34.8	189.03	1.37	0.972	1.944
SND06472-3	1457.6	1.66	1.458	1.559	13.0	2.06	0.14	0.101	0.202
SND06472-30	161.2	0.24	0.161	0.201	39.3	0.31	0.06	0.038	0.079
SND06472-31	89.1	0.08	0.089	0.075	39.0	0.04	0.02	0.015	0.029
SND06472-32	1450.2	2.01	1.450	1.730	32.4	15.67	0.40	0.260	0.560
SND06472-33	64.1	0.04	0.064	0.052	46.3	0.03	0.02	0.012	0.024
SND06472-4	19.5	0.03	0.020	0.025	42.4	0.01	0.01	0.005	0.011
SND06472-5	31486.4	69.66	31.486	50.683	75.6	73703.43	27.15	19.197	38.394
SND06472-6	25.6	0.07	0.026	0.046	92.3	0.10	0.03	0.022	0.044
SND06472-7	1464.6	5.67	1.465	3.567	117.9	684.27	2.97	2.103	4.205
SND06472-8	599.2	0.88	0.599	0.730	35.7	3.40	0.16	0.130	0.261
SND06472-9	224	0.49	0.224	0.357	74.5	3.54	0.19	0.133	0.266
SND06473-1	249.2	0.36	0.249	0.305	36.4	0.61	0.08	0.055	0.111
SND06473-10	33.7	0.07	0.034	0.052	70.0	0.07	0.03	0.016	0.036
SND06473-11	1803.6	3.16	1.804	2.462	54.7	92.00	0.96	0.676	1.357
SND06473-14	3193.8	4.42	3.194	3.807	32.2	75.16	0.67	0.613	1.226
SND06473-16	26.3	0.01	0.026	0.018	89.6	0.01	0.01	0.006	0.016
SND06473-17	17133.1	15.17	17.133	16.152	12.2	192.69	1.39	0.982	1.963
SND06473-18	394.9	0.67	0.395	0.532	51.7	3.76	0.19	0.136	0.275
SND06473-19	98.4	0.12	0.098	0.109	19.8	0.02	0.02	0.011	0.022
SND06473-2	112.9	0.26	0.113	0.196	65.1	1.40	0.12	0.084	0.167
SND06473-20	99.4	0.32	0.099	0.210	105.2	2.43	0.16	0.110	0.221
SND06473-21	661.1	2.22	0.661	1.551	66.4	69.63	0.95	0.669	1.339
SND06473-22	6499.5	13.5	6.500	10.000	70.0	2460.36	4.95	3.500	7.001
SND06473-23	169.8	0.17	0.170	0.170	0.1	0.00	0.00	0.000	0.000
SND06473-24	177.6	0.16	0.178	0.169	10.4	0.02	0.01	0.008	0.018
SND06473-25	10.7	0.01	0.011	0.010	6.8	0.00	0.00	0.000	0.001
SND06473-3	21.5	0.01	0.022	0.016	73.0	0.01	0.01	0.006	0.012
SND06473-5	20	0.09	0.020	0.056	127.3	0.25	0.05	0.035	0.070
SND06473-8	16.6	0.02	0.017	0.018	17.4	0.00	0.00	0.002	0.003
SND06473-9	6.2	0.02	0.006	0.014	83.7	0.01	0.01	0.006	0.012
SND06474-1	11.5	0.02	0.012	0.016	54.0	0.00	0.01	0.004	0.008
SND06474-10	47.4	0.15	0.047	0.099	104.0	0.53	0.07	0.051	0.103
SND06474-11	2487	2.09	2.487	2.289	17.3	7.88	0.26	0.189	0.397
SND06474-12	65	0.17	0.065	0.118	89.4	0.55	0.07	0.053	0.105
SND06474-13	22.1	0.05	0.022	0.036	77.4	0.04	0.02	0.014	0.028
SND06474-14	9.6	0.01	0.010	0.010	4.1	0.00	0.00	0.000	0.000
SND06474-15	113.2	0.22	0.113	0.167	64.1	0.57	0.08	0.053	0.107
SND06474-16	29.1	0.05	0.029	0.040	52.8	0.02	0.01	0.010	0.021
SND06474-17	95.8	0.03	0.096	0.063	104.6	0.22	0.05	0.033	0.066

Table 4

Re-Assayed Sample Summary 2006

Sample Number	Au ppb G1DX	AU FA g/t G6	Au g/t G1DX	Mean g/t	Variability %	Variance %	Standard deviation	Nx-Nave	Nmax-Nmin
SED446-6	31.5	0.08	0.032	0.056	67.0	0.12	0.03	0.024	0.049
SED447-12	188.7	0.2	0.189	0.194	5.8	0.01	0.01	0.006	0.011
SED447-4	318	0.55	0.318	0.434	53.5	2.69	0.16	0.116	0.232
SED448-10	43.4	0.02	0.043	0.032	73.8	0.03	0.02	0.012	0.023
SED448-2	121.9	0.14	0.122	0.131	13.8	0.02	0.01	0.009	0.018
SED448-8	512.2	0.21	0.512	0.361	83.7	4.57	0.21	0.151	0.302
SED448-7	25.6	0.18	0.026	0.103	150.2	1.19	0.11	0.077	0.154
SED448-9	1426.1	1.27	1.426	1.348	11.6	1.22	0.11	0.078	0.156
SED449-11	463.3	1.04	0.463	0.752	76.7	16.63	0.41	0.288	0.577
SND06450-20	6974.3	2.95	6.874	4.912	79.9	770.01	2.77	1.962	3.924
SND06450-21	1382.6	4.27	1.383	2.626	102.2	416.85	2.04	1.444	2.887
SND06450-26	228.9	0.34	0.229	0.284	39.1	0.62	0.08	0.056	0.111
SND06450-27	581.9	2.22	0.582	1.401	116.9	134.17	1.18	0.819	1.638
SND06450-29	327.1	0.55	0.327	0.439	50.6	2.48	0.19	0.111	0.223
SND06450-30	54.3	0.1	0.054	0.077	59.2	0.10	0.03	0.023	0.046
SND06450-31	151.7	0.26	0.152	0.201	48.9	0.48	0.07	0.049	0.098
SND06450-34	466.4	0.35	0.466	0.406	28.5	0.68	0.08	0.056	0.116
SND06450-36	61.8	0.07	0.062	0.066	12.4	0.00	0.01	0.004	0.008
SND06450-39	113	0.83	0.113	0.472	152.1	25.70	0.51	0.359	0.717
SND06450-40	239.7	0.76	0.240	0.496	103.1	13.02	0.36	0.255	0.510
SND06450-41	616.9	0.75	0.617	0.683	19.5	0.89	0.09	0.067	0.133
SND06450-44	18.3	0.1	0.018	0.059	138.1	0.33	0.06	0.041	0.082
SND06451-11	1168	0.97	1.168	1.079	20.2	2.38	0.15	0.109	0.218
SND06451-14	850.2	1.83	0.850	1.140	85.9	48.00	0.60	0.490	0.980
SND06451-15	2606.5	2.89	2.607	2.748	10.3	4.02	0.20	0.142	0.284
SND06451-17	4372.1	4.56	4.372	4.466	4.2	1.77	0.13	0.094	0.188
SND06451-19	71.2	0.06	0.071	0.066	17.1	0.01	0.01	0.006	0.011
SND06451-20	210.6	0.12	0.211	0.165	64.8	0.41	0.06	0.045	0.091
SND06451-21	283	0.22	0.283	0.252	25.0	0.20	0.04	0.032	0.063
SND06451-21RE	241.9	0.21	0.242	0.226	14.1	0.05	0.02	0.016	0.032
SND06451-21RRE	212.9	0.22	0.213	0.216	3.3	0.00	0.01	0.004	0.007
SND06451-3	15664.6	14.32	15.666	15.082	10.2	119.29	1.09	0.772	1.545
SND06451-5	142.6	0.16	0.143	0.151	11.5	0.02	0.01	0.009	0.017
SND06452-1	73.7	0.1	0.074	0.067	30.3	0.03	0.02	0.013	0.026
SND06452-2	375.4	0.29	0.375	0.333	25.7	0.36	0.06	0.043	0.086
SND06452-3	152.5	0.06	0.153	0.116	62.4	0.26	0.05	0.036	0.073
SND06452-4	832.1	1.16	0.832	0.996	32.9	6.38	0.23	0.164	0.328
SND06452-4RE	1335.8	1.17	1.336	1.253	13.2	1.37	0.12	0.083	0.166
SND06452-4RRE	1807.2	1.23	1.807	1.519	38.0	16.66	0.41	0.289	0.577
SND06452-6	6554.4	4.61	6.554	5.582	34.8	189.03	1.37	0.972	1.944
SND06474-2	161.5	0.27	0.162	0.216	50.3	0.59	0.08	0.054	0.109
SND06474-3	48836.4	2.8	48.836	25.718	179.8	106890.23	32.89	23.118	46.236
SND06474-4	66.2	0.12	0.066	0.093	57.8	0.14	0.04	0.027	0.054
SND06474-5	119.7	0.13	0.120	0.125	8.2	0.01	0.01	0.005	0.010
SND06474-6	90.7	0.04	0.091	0.065	77.6	0.13	0.04	0.025	0.051
SND06474-7	31.8	0.06	0.032	0.046	61.4	0.04	0.02	0.014	0.028
SND06474-8	16.3	0.09	0.016	0.053	138.7	0.27	0.05	0.037	0.074
SND06474-8	20.7	0.03	0.021	0.026	36.7	0.00	0.01	0.005	0.009
SND06475-1	213.9	0.18	0.214	0.197	17.2	0.06	0.02	0.017	0.034
SND06476-10	6.9	0.01	0.007	0.006	38.1	0.00	0.00	0.002	0.003
SND06476-11	33.2	0.05	0.033	0.042	40.4	0.01	0.01	0.008	0.017
SND06475-13	453.5	0.7	0.454	0.577	42.7	3.04	0.17	0.123	0.247
SND06475-14	205.1	0.34	0.205	0.273	49.5	0.91	0.10	0.067	0.135
SND06475-15	16.2	0.01	0.016	0.013	47.3	0.00	0.00	0.003	0.006
SND06475-16	3648.2	3.81	3.648	3.628	1.0	0.07	0.03	0.018	0.036
SND06475-17	11.6	0.03	0.012	0.021	88.5	0.02	0.01	0.006	0.012
SND06475-18	13134.3	4.82	13.134	8.977	82.6	3456.38	5.86	4.157	8.314
SND06475-19	42.1	0.06	0.042	0.051	35.1	0.02	0.01	0.009	0.018
SND06475-1RE	247.7	0.15	0.248	0.189	49.1	0.48	0.07	0.049	0.098
SND06475-1RRE	99.5	0.15	0.100	0.125	40.5	0.13	0.04	0.025	0.051
SND06475-2	24.4	0.03	0.024	0.027	20.6	0.00	0.00	0.003	0.006
SND06475-3	74.4	0.09	0.074	0.082	19.0	0.01	0.01	0.006	0.012
SND06475-4	2452.1	3.69	2.452	3.071	40.3	76.02	0.68	0.519	1.038
SND06475-6	635.4	0.78	0.635	0.706	20.4	1.05	0.10	0.072	0.145
SND06475-6	5	0.01	0.005	0.008	66.7	0.00	0.00	0.003	0.005
SND06475-7	92.8	0.06	0.093	0.076	42.7	0.05	0.02	0.016	0.033
SND06475-8	16.1	0.01	0.016	0.013	46.7	0.00	0.00	0.003	0.006
SND06475-9	11034.6	12.38	11.035	11.707	11.5	90.51	0.95	0.673	1.345
SND06476-1	254.6	0.63	0.256	0.442	64.9	7.05	0.27	0.188	0.375
SND06476-10	2150.2	1.32	2.150	1.735	47.9	34.46	0.59	0.415	0.830
SND06476-10RE	1272.2	2.52	1.272	1.898	65.8	77.85	0.66	0.624	1.248
SND06476-10RRE	2520.5	1.38	2.521	1.950	58.5	65.04	0.61	0.570	1.141
SND06476-11	18	0.04	0.016	0.029	76.9	0.02	0.02	0.011	0.022
SND06476-12	54.4	0.07	0.054	0.062	25.1	0.01	0.01	0.008	0.016
SND06476-13	19.6	0.05	0.020	0.035	67.4	0.05	0.02	0.015	0.030
SND06476-14	16.1	0.03	0.016	0.023	60.3	0.01	0.01	0.007	0.014
SND06476-15	919.1	0.79	0.919	0.855	15.1	0.83	0.09	0.065	0.129
SND06476-16	179.9	0.53	0.180	0.355	98.6	6.13	0.25	0.175	0.350
SND06476-17	639.6	3.9	0.640	2.270	143.6	531.51	2.31	1.630	3.260

Table 4

Re-Assayed Sample Summary 2006

Sample Number	Au ppb G10X	AU FA g/t Gs	Au g/t G1DX	Mean g/t	Variability %	Variance %	Standard deviation	Nx-Nave	Nmax-Nmin
SED446-6	31.5	0.08	0.032	0.056	87.0	0.12	0.03	0.024	0.049
SED447-12	189.7	0.2	0.189	0.184	6.8	0.01	0.01	0.008	0.011
SED447-4	310	0.55	0.316	0.434	53.5	2.69	0.18	0.116	0.232
SED448-10	43.4	0.02	0.043	0.032	73.8	0.03	0.02	0.012	0.023
SED448-2	121.9	0.14	0.122	0.131	13.8	0.02	0.01	0.009	0.018
SED448-6	612.2	0.21	0.512	0.381	83.7	4.57	0.21	0.151	0.302
SED448-7	25.6	0.16	0.026	0.103	150.2	1.19	0.11	0.077	0.154
SED448-9	1426.1	1.27	1.426	1.348	11.6	1.22	0.11	0.076	0.156
SED449-11	463.3	1.04	0.463	0.752	76.7	18.83	0.41	0.268	0.577
SND06450-20	6874.3	2.95	6.874	4.912	79.9	770.01	2.77	1.952	3.924
SND06450-21	1382.6	4.27	1.383	2.826	102.2	416.85	2.04	1.444	2.887
SND06450-26	228.9	0.34	0.228	0.264	39.1	0.62	0.08	0.056	0.111
SND06450-27	581.9	2.22	0.582	1.401	116.9	134.17	1.16	0.619	1.638
SND06450-29	327.1	0.56	0.327	0.439	50.8	2.46	0.16	0.111	0.223
SND06450-30	54.3	0.1	0.054	0.077	59.2	0.10	0.03	0.023	0.048
SND06450-31	151.7	0.25	0.152	0.201	46.9	0.46	0.07	0.049	0.098
SND06450-34	466.4	0.35	0.466	0.406	28.5	0.68	0.08	0.058	0.116
SND06450-38	81.6	0.07	0.082	0.068	12.4	0.00	0.01	0.004	0.008
SND06450-39	113	0.83	0.113	0.472	152.1	25.70	0.61	0.369	0.717
SND06450-40	239.7	0.75	0.240	0.495	103.1	13.02	0.36	0.255	0.510
SND06450-41	616.8	0.75	0.617	0.683	19.5	0.89	0.09	0.067	0.133
SND06450-44	18.3	0.1	0.018	0.059	135.1	0.33	0.06	0.041	0.082
SND06451-11	1188	0.97	1.188	1.079	20.2	2.38	0.15	0.109	0.216
SND06451-14	650.2	1.83	0.650	1.140	85.9	46.00	0.89	0.490	0.960
SND06451-15	2608.5	2.89	2.607	2.748	10.3	4.02	0.20	0.142	0.284
SND06451-17	4372.1	4.56	4.372	4.466	4.2	1.77	0.13	0.094	0.188
SND06451-19	71.2	0.06	0.071	0.066	17.1	0.01	0.01	0.006	0.011
SND06451-20	210.6	0.12	0.211	0.166	54.8	0.41	0.06	0.045	0.091
SND06451-21	289	0.22	0.283	0.252	25.0	0.20	0.04	0.032	0.063
SND06451-21RE	241.9	0.21	0.242	0.226	14.1	0.05	0.02	0.016	0.032
SND06451-21RRE	212.9	0.22	0.213	0.216	3.3	0.00	0.01	0.004	0.007
SND06451-3	15864.6	14.32	15.865	15.092	10.2	119.29	1.09	0.772	1.545
SND06451-5	142.6	0.18	0.143	0.151	11.5	0.02	0.01	0.009	0.017
SND06452-1	73.7	0.1	0.074	0.087	30.3	0.03	0.02	0.013	0.026
SND06452-2	375.4	0.29	0.376	0.333	25.7	0.36	0.06	0.043	0.085
SND06452-3	152.5	0.06	0.153	0.116	82.4	0.28	0.05	0.036	0.073
SND06452-4	832.1	1.16	0.832	0.996	32.9	5.36	0.23	0.164	0.328
SND06452-4RE	1335.6	1.17	1.336	1.253	13.2	1.37	0.12	0.083	0.166
SND06452-4RRE	1807.2	1.23	1.807	1.518	38.0	16.66	0.41	0.289	0.577
SND06452-6	8554.4	4.81	6.554	5.582	34.8	189.03	1.37	0.972	1.944
SND06478-18	680.1	0.71	0.680	0.695	4.3	0.04	0.02	0.015	0.030
SND06478-19	19.3	0.17	0.018	0.094	161.1	1.15	0.11	0.076	0.152
SND06478-2	36.8	0.06	0.039	0.049	42.9	0.02	0.01	0.011	0.021
SND06478-20	70	0.11	0.070	0.090	44.4	0.08	0.03	0.020	0.040
SND06478-21	89.4	0.04	0.089	0.065	76.4	0.12	0.03	0.025	0.049
SND06478-22	896.6	1.16	0.897	1.028	25.6	3.47	0.19	0.132	0.263
SND06478-23	6049.9	9.24	6.050	7.645	41.7	508.84	2.26	1.595	3.190
SND06478-24	203.8	0.34	0.204	0.272	50.1	0.93	0.10	0.068	0.136
SND06478-3	15.2	0.05	0.015	0.033	106.7	0.06	0.02	0.017	0.035
SND06478-4	14.2	0.03	0.014	0.022	71.5	0.01	0.01	0.008	0.015
SND06478-5	51.3	0.08	0.051	0.066	43.7	0.04	0.02	0.014	0.029
SND06478-6	54.2	0.12	0.054	0.087	75.5	0.22	0.05	0.033	0.066
SND06478-7	4.7	0.01	0.005	0.007	72.1	0.00	0.00	0.003	0.005
SND06478-8	6788.7	3.13	6.789	4.959	73.8	689.30	2.59	1.829	3.658
SND06478-9	21.5	0.04	0.022	0.031	60.2	0.02	0.01	0.009	0.019
SND06477-1	20.2	0.03	0.020	0.025	39.0	0.00	0.01	0.005	0.010
SND06477-2	31116.6	45.1	31.116	38.108	36.7	9778.31	9.89	6.992	13.885
SND06477-3	27.8	0.02	0.028	0.024	31.9	0.00	0.01	0.004	0.008
SND06477-4	1101.2	1.46	1.101	1.276	27.3	6.08	0.25	0.174	0.349
SND06477-5	139.8	0.22	0.140	0.180	44.6	0.32	0.06	0.040	0.080
SND06477-6	9.7	0.01	0.010	0.010	3.0	0.00	0.00	0.000	0.000
SND06477-7	13.5	0.02	0.014	0.017	38.9	0.00	0.00	0.003	0.007
SND06477-8	834.7	0.77	0.835	0.802	8.1	0.21	0.05	0.032	0.065
SND06477-9	7218	3.85	7.218	5.534	60.9	667.17	2.38	1.684	3.368
SND06478-1	484.7	7.22	0.485	3.852	174.8	2268.21	4.76	3.368	6.735
SND06478-10	428.1	0.81	0.428	0.619	61.7	7.29	0.27	0.191	0.382
SND06478-11	354.8	0.5	0.355	0.427	34.0	1.05	0.10	0.073	0.145
SND06478-12	84.2	0.08	0.084	0.087	6.7	0.00	0.00	0.003	0.006
SND06478-12A	4154.5	5.74	4.155	4.947	32.0	126.69	1.12	0.793	1.586
SND06478-13	26113.6	29.85	26.114	27.882	12.7	623.31	2.50	1.796	3.538
SND06478-14	64.6	0.14	0.065	0.102	73.7	0.28	0.05	0.038	0.075
SND06478-15	57.2	0.17	0.057	0.114	99.3	0.64	0.06	0.058	0.113
SND06478-16	13.7	0.02	0.014	0.017	37.4	0.00	0.00	0.003	0.006
SND06478-17	34.7	0.03	0.035	0.032	14.5	0.00	0.00	0.002	0.005
SND06478-18	0.5	0.01	0.001	0.005	181.0	0.00	0.01	0.005	0.010
SND06478-2	12208.9	5.23	12.209	8.719	80.0	2435.25	4.93	3.489	6.979
SND06478-20	58.3	0.19	0.056	0.123	108.8	0.88	0.09	0.067	0.134
SND06478-21	3464.6	3.55	3.465	3.507	2.4	0.36	0.06	0.043	0.085
SND06478-3	1782	5.01	1.782	3.396	95.1	521.00	2.28	1.614	3.228

Table 4

Re-Assayed Sample Summary 2006

Sample Number	Au ppt G1DX	AU FA g/g G6	Au g/g G1DX	Mean g/t	Variability %	Variance %	Standard deviation	Nz-Nave	Nmax-Nmin
SED446-6	31.5	0.08	0.032	0.056	67.0	0.12	0.03	0.024	0.049
SED447-12	188.7	0.2	0.189	0.194	5.8	0.01	0.01	0.006	0.011
SED447-4	318	0.55	0.318	0.434	53.5	2.89	0.18	0.118	0.232
SED448-10	43.4	0.02	0.043	0.032	73.8	0.03	0.02	0.012	0.023
SED448-2	121.9	0.14	0.122	0.131	13.8	0.02	0.01	0.009	0.018
SED448-6	512.2	0.21	0.512	0.361	63.7	4.57	0.21	0.151	0.302
SED448-7	25.6	0.18	0.026	0.103	150.2	1.18	0.11	0.077	0.154
SED448-8	1426.1	1.27	1.426	1.348	11.6	1.22	0.11	0.078	0.156
SED449-11	483.3	1.04	0.483	0.752	78.7	16.63	0.41	0.288	0.577
SND06450-20	6874.3	2.95	6.874	4.912	79.9	770.01	2.77	1.982	3.924
SND06450-21	1382.6	4.27	1.383	2.628	102.2	418.85	2.04	1.444	2.887
SND06450-28	228.9	0.34	0.229	0.284	39.1	0.82	0.08	0.056	0.111
SND06450-27	581.0	2.22	0.582	1.401	118.0	134.17	1.18	0.819	1.638
SND06450-29	327.1	0.55	0.327	0.439	50.8	2.46	0.16	0.111	0.223
SND06450-30	54.3	0.1	0.054	0.077	59.2	0.10	0.03	0.023	0.046
SND06450-31	151.7	0.25	0.152	0.201	48.9	0.48	0.07	0.049	0.098
SND06450-34	486.4	0.35	0.486	0.408	28.5	0.88	0.08	0.058	0.116
SND06450-38	61.8	0.07	0.062	0.068	12.4	0.00	0.01	0.004	0.008
SND06450-39	113	0.63	0.113	0.472	152.1	25.70	0.51	0.358	0.717
SND06450-40	239.7	0.75	0.240	0.495	103.1	13.02	0.38	0.255	0.510
SND06450-41	818.9	0.75	0.617	0.663	19.5	0.89	0.09	0.067	0.133
SND06450-44	18.3	0.1	0.018	0.058	136.1	0.33	0.06	0.041	0.082
SND06451-11	1188	0.97	1.188	1.079	20.2	2.38	0.15	0.109	0.218
SND06451-14	650.2	1.83	0.650	1.140	85.9	48.00	0.89	0.490	0.980
SND06451-15	2608.5	2.89	2.607	2.748	10.3	4.02	0.20	0.142	0.284
SND06451-17	4372.1	4.56	4.372	4.486	4.2	1.77	0.13	0.094	0.188
SND06451-19	71.2	0.06	0.071	0.066	17.1	0.01	0.01	0.006	0.011
SND06451-20	210.8	0.12	0.211	0.165	54.8	0.41	0.06	0.046	0.091
SND06451-21	283	0.22	0.283	0.252	25.0	0.20	0.04	0.032	0.063
SND06451-21RE	241.0	0.21	0.242	0.228	14.1	0.05	0.02	0.018	0.032
SND06451-21RRE	212.9	0.22	0.213	0.218	3.3	0.00	0.01	0.004	0.007
SND06451-3	15884.6	14.32	15.885	15.092	10.2	119.29	1.09	0.772	1.545
SND06451-5	142.6	0.16	0.143	0.151	11.5	0.02	0.01	0.009	0.017
SND06452-1	73.7	0.1	0.074	0.087	30.3	0.03	0.02	0.013	0.026
SND06452-2	375.4	0.29	0.375	0.333	25.7	0.36	0.08	0.043	0.085
SND06452-3	152.5	0.08	0.153	0.118	82.4	0.26	0.05	0.036	0.073
SND06452-4	832.1	1.16	0.832	0.996	32.9	5.38	0.23	0.164	0.328
SND06452-4RE	1335.8	1.17	1.336	1.253	13.2	1.37	0.12	0.083	0.166
SND06452-4RRE	1807.2	1.23	1.807	1.519	38.0	18.66	0.41	0.289	0.577
SND06452-8	6554.4	4.61	6.554	5.582	34.8	189.03	1.37	0.872	1.744
SND06478-4	1833.3	5.16	1.833	3.497	95.1	553.35	2.35	1.663	3.327
SND06478-5	8	0.02	0.008	0.014	85.7	0.01	0.01	0.006	0.012
SND06478-7	177.4	0.25	0.177	0.214	34.0	0.26	0.05	0.036	0.073
SND06478-8	22	0.22	0.022	0.121	163.6	1.96	0.14	0.099	0.198
SND06478-9	20	0.03	0.020	0.025	40.0	0.00	0.01	0.005	0.010
SND06478-10	43.7	0.05	0.044	0.047	13.4	0.00	0.00	0.003	0.006
SND06478-10A	30.4	0.03	0.030	0.030	1.3	0.00	0.00	0.000	0.000
SND06478-11A	95	0.09	0.095	0.093	5.4	0.00	0.00	0.003	0.005
SND06478-12	54.2	0.14	0.054	0.097	88.4	0.37	0.06	0.043	0.086
SND06478-12RE	65.3	0.16	0.065	0.113	84.1	0.45	0.07	0.047	0.095
SND06478-12RRE	132.5	0.17	0.133	0.151	24.8	0.07	0.03	0.019	0.038
SND06478-13	172	0.18	0.172	0.176	4.5	0.00	0.01	0.004	0.008
SND06478-14	108.7	0.43	0.109	0.289	118.3	5.18	0.23	0.181	0.321
SND06478-4	584.9	0.07	0.585	0.332	157.0	13.78	0.37	0.262	0.525
SND06478-6	7986.9	8.23	7.987	8.108	3.0	2.85	0.17	0.122	0.243
SND06478-7	8.8	0.01	0.008	0.009	12.8	0.00	0.00	0.001	0.001
SND06478-8	12311.5	21.33	12.312	16.821	53.6	4066.87	6.38	4.509	9.019
SND06478-8	35828.7	54.85	35.830	45.440	41.8	18088.59	13.45	9.510	19.020
SND06480-1	70.8	0.27	0.071	0.170	118.8	1.98	0.14	0.100	0.199
SND06480-10	337.3	0.33	0.337	0.334	2.2	0.00	0.01	0.004	0.007
SND06480-12	803.8	1.09	0.804	0.947	30.2	4.10	0.20	0.143	0.286
SND06480-13	645.5	1.04	0.646	0.843	46.8	7.76	0.28	0.197	0.395
SND06480-16	1637.2	1.98	1.637	1.809	19.0	5.86	0.24	0.171	0.343
SND06480-17	621	1.43	0.621	1.026	78.9	32.72	0.57	0.405	0.808
SND06480-18	1102.2	1.4	1.102	1.251	23.8	4.43	0.21	0.149	0.298
SND06480-18RE	1066	1.48	1.066	1.263	31.2	7.76	0.28	0.197	0.394
SND06480-18RRE	594.2	1.26	0.594	0.927	71.8	22.16	0.47	0.333	0.666
SND06480-19	186.6	0.24	0.187	0.203	36.1	0.27	0.05	0.037	0.073
SND06480-2	12.9	0.02	0.013	0.016	43.2	0.00	0.01	0.004	0.007
SND06480-20	253.8	0.42	0.254	0.337	49.3	1.38	0.12	0.083	0.166
SND06480-21	810.8	1.89	0.611	1.150	83.8	58.23	0.76	0.540	1.079
SND06480-23	7.7	0.01	0.008	0.009	26.0	0.00	0.00	0.001	0.002
SND06480-24	6.7	0.02	0.007	0.013	98.6	0.01	0.01	0.007	0.013
SND06480-25	59.6	0.19	0.060	0.125	104.5	0.85	0.09	0.066	0.130
SND06480-26	25.4	0.04	0.025	0.033	44.6	0.01	0.01	0.007	0.015
SND06480-27	4	0.01	0.004	0.007	85.7	0.00	0.00	0.003	0.006
SND06480-28	69	0.19	0.069	0.130	93.4	0.73	0.09	0.061	0.121
SND06480-29	71.5	0.24	0.072	0.158	108.2	1.42	0.12	0.084	0.169
SND06480-3	89.5	0.22	0.070	0.145	104.0	1.13	0.11	0.075	0.151

Table 4

Re-Assayed Sample Summary 2008

Sample Number	Au ppb G10X	AU FA g/t G6	Au g/t G10X	Mean g/t	Variability %	Variance %	Standard deviation	Nx-Nave	Nmax-Nmin
SED448-8	31.5	0.08	0.032	0.058	87.0	0.12	0.03	0.024	0.049
SED447-12	188.7	0.2	0.189	0.194	5.6	0.01	0.01	0.008	0.011
SED447-4	318	0.55	0.318	0.434	53.5	2.69	0.16	0.116	0.232
SED448-10	43.4	0.02	0.043	0.032	73.8	0.03	0.02	0.012	0.023
SED448-2	121.9	0.14	0.122	0.131	13.8	0.02	0.01	0.006	0.018
SED448-6	512.2	0.21	0.512	0.361	83.7	4.57	0.21	0.161	0.302
SED448-7	25.8	0.18	0.028	0.103	150.2	1.19	0.11	0.077	0.154
SED448-9	1426.1	1.27	1.426	1.348	11.8	1.22	0.11	0.078	0.156
SED449-11	463.3	1.04	0.463	0.752	76.7	16.63	0.41	0.288	0.577
SND06450-20	6874.3	2.85	6.874	4.612	79.9	770.01	2.77	1.962	3.924
SND06450-21	1382.6	4.27	1.383	2.828	102.2	418.85	2.04	1.444	2.887
SND06450-26	228.9	0.34	0.229	0.284	38.1	0.62	0.08	0.056	0.111
SND06450-27	581.9	2.22	0.582	1.401	110.9	134.17	1.18	0.819	1.638
SND06450-29	327.1	0.55	0.327	0.439	50.8	2.48	0.16	0.111	0.223
SND06450-30	54.3	0.1	0.054	0.077	58.2	0.10	0.03	0.023	0.046
SND06450-31	151.7	0.25	0.152	0.201	48.9	0.46	0.07	0.049	0.098
SND06450-34	488.4	0.35	0.488	0.408	28.5	0.68	0.08	0.058	0.116
SND06450-38	81.8	0.07	0.082	0.086	12.4	0.00	0.01	0.004	0.008
SND06450-38	113	0.83	0.113	0.472	152.1	25.70	0.51	0.359	0.717
SND06450-40	239.7	0.75	0.240	0.495	103.1	13.02	0.36	0.255	0.510
SND06450-41	618.9	0.75	0.617	0.583	19.5	0.89	0.09	0.067	0.133
SND06450-44	18.3	0.1	0.018	0.058	138.1	0.33	0.06	0.041	0.082
SND06451-11	1188	0.87	1.188	1.079	20.2	2.38	0.15	0.109	0.218
SND06451-14	850.2	1.63	0.850	1.140	85.9	48.00	0.89	0.490	0.890
SND06451-15	2606.5	2.89	2.607	2.748	10.3	4.02	0.20	0.142	0.284
SND06451-17	4372.1	4.56	4.372	4.466	4.2	1.77	0.13	0.094	0.188
SND06451-19	71.2	0.08	0.071	0.068	17.1	0.01	0.01	0.006	0.011
SND06451-20	210.8	0.12	0.211	0.185	54.8	0.41	0.06	0.045	0.091
SND06451-21	283	0.22	0.283	0.252	25.0	0.20	0.04	0.032	0.063
SND06451-21RE	241.9	0.21	0.242	0.228	14.1	0.05	0.02	0.016	0.032
SND06451-21RRE	212.9	0.22	0.213	0.218	3.3	0.00	0.01	0.004	0.007
SND06451-3	15864.8	14.32	15.865	15.092	10.2	119.29	1.09	0.772	1.545
SND06451-5	142.8	0.16	0.143	0.151	11.5	0.02	0.01	0.009	0.017
SND06452-1	73.7	0.1	0.074	0.087	30.3	0.03	0.02	0.013	0.028
SND06452-2	375.4	0.29	0.375	0.333	25.7	0.36	0.06	0.043	0.085
SND06452-3	152.5	0.08	0.153	0.116	62.4	0.26	0.05	0.036	0.073
SND06452-4	832.1	1.16	0.832	0.996	32.9	5.36	0.23	0.164	0.328
SND06452-4RE	1335.8	1.17	1.336	1.253	13.2	1.37	0.12	0.083	0.166
SND06452-4RRE	1807.2	1.23	1.807	1.519	38.0	18.86	0.41	0.289	0.577
SND06452-8	6554.4	4.61	6.554	5.582	34.8	189.03	1.37	0.972	1.944
SND06480-4	50	0.14	0.050	0.095	94.7	0.41	0.08	0.045	0.090
SND06480-6	10	0.02	0.010	0.016	86.7	0.01	0.01	0.005	0.010
SND06480-7	364	0.95	0.364	0.657	89.2	17.17	0.41	0.293	0.586
SND06480-8	913.2	1.09	0.913	1.302	69.7	30.17	0.55	0.388	0.777
SND06480-9	18	0.08	0.018	0.038	107.7	0.09	0.03	0.021	0.042
SND06481-1	177.9	0.41	0.178	0.294	79.0	2.89	0.16	0.118	0.232
SND06481-11	42.2	0.09	0.042	0.066	72.3	0.11	0.03	0.024	0.048
SND06481-12	475	0.7	0.475	0.588	38.3	2.53	0.16	0.113	0.225
SND06481-12RE	969.3	0.7	0.969	0.835	32.3	3.63	0.19	0.135	0.269
SND06481-12RRE	363.1	0.42	0.363	0.392	14.5	0.16	0.04	0.028	0.057
SND06481-2	276.4	0.59	0.275	0.433	72.7	4.95	0.22	0.157	0.315
SND06481-3	3313.3	1.23	3.313	2.272	91.7	217.01	1.47	1.042	2.083
SND06481-4	22.2	0.03	0.022	0.026	28.9	0.00	0.01	0.004	0.008
SND06481-5	886	1.23	0.886	1.048	34.7	6.82	0.28	0.182	0.364
SND06481-6	105.7	0.32	0.106	0.213	100.7	2.30	0.15	0.107	0.214
SND06481-7	884	1.81	0.884	1.247	90.3	63.39	0.80	0.563	1.126
SND06481-8	28.2	0.03	0.028	0.029	6.2	0.00	0.00	0.001	0.002
SND06481-9	73308.4	82.91	73308.4	78.108	12.3	4811.46	8.79	4.802	8.604
SND06482-1	2493	3.85	2.493	3.172	42.8	92.07	0.86	0.678	1.357
SND06482-10	66.7	0.13	0.069	0.099	61.7	0.19	0.04	0.031	0.061
SND06482-11	28.5	0.05	0.029	0.039	54.8	0.02	0.02	0.011	0.022
SND06482-2	12	0.04	0.012	0.026	107.7	0.04	0.02	0.014	0.028
SND06482-3	413.5	0.49	0.414	0.452	18.9	0.29	0.05	0.038	0.077
SND06482-4	5.6	0.02	0.006	0.013	112.5	0.01	0.01	0.007	0.014
SND06482-5	74.1	0.04	0.074	0.057	58.8	0.06	0.02	0.017	0.034
SND06482-6	1363.9	1.84	1.364	1.612	28.3	10.40	0.32	0.228	0.456
SND06482-7	64.4	0.02	0.064	0.042	105.2	0.10	0.03	0.022	0.044
SND06482-8	7192.6	6.42	7.193	8.806	11.4	29.85	0.55	0.388	0.773
SND06482-9	653	0.52	0.653	0.587	22.7	0.88	0.09	0.067	0.133
SND06483-1	203.9	0.25	0.204	0.227	20.3	0.11	0.03	0.023	0.048
SND06483-2	310.5	0.97	0.311	0.640	103.0	21.75	0.47	0.330	0.660
SND06483-3	8717.1	0.73	8.717	4.724	169.1	3169.69	5.65	3.994	7.987
SND06483-4	1023.6	0.21	1.024	0.617	131.9	33.10	0.56	0.407	0.814
SND06483-5	122.3	0.1	0.122	0.111	20.1	0.02	0.02	0.011	0.022
SND06483-6	1209.8	1.32	1.210	1.285	8.7	0.81	0.06	0.055	0.110
SND06483-7	4	0.01	0.004	0.007	85.7	0.00	0.00	0.003	0.006
SND06483-8	8713.8	6.02	6.714	6.367	10.9	24.05	0.49	0.347	0.694
SND06483-9	8	0.01	0.008	0.009	22.2	0.00	0.00	0.001	0.002
SND06484-1	2315.9	2.19	2.316	2.253	5.6	0.79	0.09	0.063	0.126

Table 4

Re-Assayed Sample Summary 2006

Sample Number	Au ppb G1DX	AU FA g/t G6	Au g/t G1DX	Mean g/t	Variability %	Variance %	Standard deviation	Hx-Nave	Nmax-Hmin
SED448-6	31.5	0.08	0.032	0.056	87.0	0.12	0.03	0.024	0.049
SED447-12	188.7	0.2	0.189	0.194	5.8	0.01	0.01	0.008	0.011
SED447-4	316	0.55	0.318	0.434	53.5	2.89	0.18	0.116	0.232
SED448-10	43.4	0.02	0.043	0.032	73.8	0.03	0.02	0.012	0.023
SED448-2	121.9	0.14	0.122	0.131	13.8	0.02	0.01	0.009	0.018
SED448-8	512.2	0.21	0.512	0.361	83.7	4.57	0.21	0.151	0.302
SED448-7	25.6	0.18	0.026	0.103	150.2	1.19	0.11	0.077	0.154
SED448-9	1426.1	1.27	1.426	1.348	11.8	1.22	0.11	0.076	0.156
SED449-11	483.3	1.04	0.463	0.752	76.7	18.83	0.41	0.288	0.577
SND08450-20	6874.3	2.95	6.874	4.912	78.9	770.01	2.77	1.962	3.924
SND08450-21	1382.6	4.27	1.383	2.826	102.2	416.85	2.04	1.444	2.897
SND08450-26	228.9	0.34	0.229	0.284	39.1	0.82	0.08	0.058	0.111
SND08450-27	581.9	2.22	0.582	1.401	118.9	134.17	1.16	0.819	1.638
SND08450-28	327.1	0.55	0.327	0.439	50.8	2.48	0.16	0.111	0.223
SND08450-30	54.3	0.1	0.054	0.077	59.2	0.10	0.03	0.023	0.046
SND08450-31	151.7	0.25	0.152	0.201	48.9	0.48	0.07	0.049	0.098
SND08450-34	466.4	0.35	0.466	0.408	28.5	0.68	0.08	0.058	0.116
SND08450-38	81.8	0.07	0.062	0.068	12.4	0.00	0.01	0.004	0.008
SND08450-39	113	0.83	0.113	0.472	152.1	25.70	0.51	0.359	0.717
SND08450-40	239.7	0.75	0.240	0.495	103.1	13.02	0.38	0.255	0.510
SND08450-41	818.9	0.75	0.817	0.883	19.5	0.89	0.09	0.067	0.133
SND08450-44	16.3	0.1	0.018	0.059	138.1	0.33	0.06	0.041	0.082
SND08451-11	1188	0.97	1.188	1.079	20.2	2.38	0.15	0.109	0.218
SND08451-14	650.2	1.83	0.650	1.140	85.9	48.00	0.69	0.490	0.980
SND08451-15	2506.5	2.89	2.607	2.748	10.3	4.02	0.20	0.142	0.284
SND08451-17	4372.1	4.56	4.372	4.466	4.2	1.77	0.13	0.094	0.188
SND08451-19	71.2	0.06	0.071	0.068	17.1	0.01	0.01	0.008	0.011
SND08451-20	210.8	0.12	0.211	0.185	54.8	0.41	0.08	0.045	0.091
SND08451-21	283	0.22	0.283	0.262	25.0	0.20	0.04	0.032	0.063
SND08451-21RE	241.9	0.21	0.242	0.226	14.1	0.05	0.02	0.018	0.032
SND08451-21RRE	212.9	0.22	0.213	0.216	3.3	0.00	0.01	0.004	0.007
SND08451-3	15884.6	14.32	15.885	15.092	10.2	119.29	1.08	0.772	1.545
SND08451-5	142.6	0.18	0.143	0.151	11.5	0.02	0.01	0.009	0.017
SND08452-1	73.7	0.1	0.074	0.087	30.3	0.09	0.02	0.013	0.026
SND08452-2	375.4	0.29	0.375	0.333	25.7	0.36	0.08	0.043	0.085
SND08452-3	152.5	0.08	0.153	0.118	82.4	0.26	0.05	0.038	0.073
SND08452-4	832.1	1.18	0.832	0.996	32.9	5.38	0.23	0.164	0.328
SND08452-4RE	1335.8	1.17	1.336	1.253	13.2	1.37	0.12	0.083	0.166
SND08452-4RRE	1807.2	1.23	1.807	1.519	38.0	16.68	0.41	0.288	0.577
SND08452-8	8554.4	4.81	8.554	5.582	34.8	189.03	1.37	0.972	1.944
SND08484-10	304.9	0.4	0.305	0.352	27.0	0.45	0.07	0.048	0.096
SND08484-11	116.5	0.16	0.117	0.138	31.5	0.09	0.03	0.022	0.044
SND08484-12	41.3	0.11	0.041	0.076	99.8	0.24	0.05	0.034	0.069
SND08484-13	585	0.87	0.585	0.628	13.5	0.38	0.08	0.043	0.085
SND08484-2	19472.5	3.25	19.473	11.381	142.8	13158.48	11.47	8.111	16.223
SND08484-3	2814.7	5.32	2.815	4.117	58.4	289.27	1.70	1.203	2.405
SND08484-6	52	0.08	0.052	0.066	42.4	0.04	0.02	0.014	0.028
SND08484-7	420.4	0.45	0.420	0.435	8.8	0.04	0.02	0.015	0.030
SND08484-8	33	0.02	0.033	0.027	49.1	0.01	0.01	0.007	0.013
SND08484-9	807.7	0.99	0.808	0.799	47.9	7.31	0.27	0.191	0.382
SND08488-1	1039	0.22	1.039	0.630	130.1	33.54	0.58	0.410	0.819
SND08488-11	28899.5	29.18	28.899	29.030	0.9	3.39	0.18	0.130	0.261
SND08488-12	308	0.21	0.308	0.259	37.6	0.48	0.07	0.049	0.098
SND08488-12RE	126	0.19	0.126	0.158	40.5	0.20	0.05	0.032	0.064
SND08488-12RRE	170.8	0.21	0.171	0.180	20.8	0.08	0.03	0.020	0.039
SND08488-13	11.6	0.02	0.012	0.018	53.2	0.00	0.01	0.004	0.008
SND08488-14	1261	0.27	1.261	0.766	129.5	49.10	0.70	0.496	0.991
SND08488-2	739.2	0.54	0.739	0.840	31.1	1.08	0.14	0.100	0.199
SND08488-3	55.5	0.08	0.056	0.068	36.2	0.03	0.02	0.012	0.025
SND08488-4	81.8	0.11	0.082	0.096	29.4	0.04	0.02	0.014	0.028
SND08488-5	351.7	0.55	0.352	0.451	44.0	1.97	0.14	0.099	0.198
SND08488-6	95.3	0.18	0.095	0.138	61.5	0.36	0.08	0.042	0.085
SND08488-7	12.3	0.04	0.012	0.028	105.9	0.04	0.02	0.014	0.028
SND08488-8	9.9	0.03	0.010	0.020	100.8	0.02	0.01	0.010	0.020
SND08488-9	0.7	0.01	0.001	0.005	173.8	0.00	0.01	0.005	0.009
SND08487-1	39.4	0.05	0.039	0.045	23.7	0.01	0.01	0.005	0.011
SND08487-3	3.6	0.01	0.004	0.007	94.1	0.00	0.00	0.003	0.006
SND08487-4	6.4	0.01	0.006	0.008	43.9	0.00	0.00	0.002	0.004
SND08487-5	20501.7	11.82	20.502	16.081	55.3	3844.23	6.28	4.441	8.882
SND08487-6	417.3	0.85	0.417	0.534	43.6	2.71	0.16	0.118	0.233
SND08487-7	7.2	0.01	0.007	0.009	32.6	0.00	0.00	0.001	0.003
SND08488-1	1040	1.45	1.040	1.245	32.9	8.40	0.29	0.205	0.410
SND08488-10	101.3	0.19	0.101	0.148	60.9	0.39	0.06	0.044	0.089
SND08488-11	41	0.06	0.041	0.081	64.5	0.08	0.03	0.020	0.039
SND08488-12	10.1	0.03	0.010	0.020	99.3	0.02	0.01	0.010	0.020
SND08488-13	13	0.03	0.013	0.022	79.1	0.01	0.01	0.008	0.017
SND08488-14	3.3	0.01	0.003	0.007	100.6	0.00	0.00	0.003	0.007
SND08488-15	113.7	0.17	0.114	0.142	39.7	0.16	0.04	0.028	0.058
SND08488-16	107.7	0.13	0.108	0.119	18.8	0.02	0.02	0.011	0.022

Table 4

Re-Assayed Sample Summary 2006

Sample Number	Au ppb G1DX	AU FA g/t G6	Au g/t G1DX	Mean g/t	Variability %	Variance %	Standard deviation	Nx-Nave	Nmax-Nmin
SED446-6	31.6	0.08	0.032	0.056	67.0	0.12	0.03	0.024	0.046
SED447-12	189.7	0.2	0.189	0.194	5.8	0.01	0.01	0.006	0.011
SED447-4	318	0.66	0.318	0.434	53.6	2.69	0.18	0.116	0.232
SED448-10	43.4	0.02	0.043	0.032	73.8	0.03	0.02	0.012	0.023
SED448-2	121.9	0.14	0.122	0.131	13.8	0.02	0.01	0.009	0.018
SED448-6	512.2	0.21	0.612	0.381	83.7	4.57	0.21	0.151	0.302
SED448-7	25.6	0.18	0.026	0.103	150.2	1.19	0.11	0.077	0.154
SED448-9	1426.1	1.27	1.426	1.348	11.8	1.22	0.11	0.078	0.158
SED448-11	463.3	1.04	0.463	0.752	78.7	16.63	0.41	0.288	0.577
SND06450-20	6874.3	2.95	6.874	4.912	79.9	770.01	2.77	1.962	3.924
SND06450-21	1382.6	4.27	1.383	2.826	102.2	416.85	2.04	1.444	2.887
SND06450-26	228.6	0.34	0.228	0.284	39.1	0.82	0.08	0.056	0.111
SND06450-27	581.9	2.22	0.582	1.401	116.9	134.17	1.16	0.819	1.638
SND06450-29	327.1	0.55	0.327	0.439	60.6	2.48	0.16	0.111	0.223
SND06450-30	54.3	0.1	0.054	0.077	59.2	0.10	0.03	0.023	0.046
SND06450-31	151.7	0.26	0.152	0.201	48.9	0.48	0.07	0.049	0.098
SND06450-34	466.4	0.36	0.466	0.468	28.6	0.66	0.08	0.058	0.116
SND06450-38	61.8	0.07	0.062	0.066	12.4	0.00	0.01	0.004	0.008
SND06450-39	113	0.89	0.113	0.472	152.1	26.70	0.51	0.359	0.717
SND06450-40	239.7	0.75	0.240	0.495	103.1	13.02	0.36	0.255	0.510
SND06450-41	616.9	0.76	0.617	0.683	19.5	0.89	0.09	0.067	0.133
SND06450-44	18.3	0.1	0.018	0.059	138.1	0.33	0.06	0.041	0.082
SND06451-11	1189	0.97	1.188	1.079	20.2	2.36	0.16	0.109	0.218
SND06451-14	650.2	1.83	0.850	1.140	85.9	48.00	0.89	0.490	0.980
SND06451-15	2608.5	2.89	2.607	2.748	10.3	4.02	0.20	0.142	0.284
SND06451-17	4372.1	4.68	4.372	4.466	4.2	1.77	0.13	0.094	0.188
SND06451-19	71.2	0.08	0.071	0.088	17.1	0.01	0.01	0.006	0.011
SND06451-20	210.6	0.12	0.211	0.165	54.8	0.41	0.06	0.045	0.091
SND06451-21	283	0.22	0.283	0.252	25.0	0.20	0.04	0.032	0.063
SND06451-21RE	241.9	0.21	0.242	0.226	14.1	0.05	0.02	0.016	0.032
SND06451-21RRE	212.9	0.22	0.213	0.216	3.3	0.00	0.01	0.004	0.007
SND06451-3	15864.6	14.32	15.865	15.092	10.2	119.29	1.09	0.772	1.545
SND06451-5	142.6	0.18	0.143	0.151	11.5	0.02	0.01	0.009	0.017
SND06452-1	73.7	0.1	0.074	0.087	30.3	0.03	0.02	0.013	0.026
SND06452-2	375.4	0.28	0.375	0.333	26.7	0.36	0.08	0.049	0.095
SND06452-3	152.5	0.08	0.153	0.116	62.4	0.26	0.05	0.036	0.073
SND06452-4	832.1	1.16	0.832	0.996	32.9	5.38	0.23	0.164	0.328
SND06452-4RE	1336.6	1.17	1.336	1.263	13.2	1.37	0.12	0.083	0.166
SND06452-4RRE	1807.2	1.23	1.807	1.519	38.0	18.66	0.41	0.289	0.577
SND06452-6	6554.4	4.81	6.554	5.582	34.6	189.03	1.37	0.972	1.944
SND06468-17	54.5	0.07	0.056	0.062	24.9	0.01	0.01	0.008	0.016
SND06468-18	31.4	0.02	0.031	0.028	44.4	0.01	0.01	0.008	0.011
SND06468-19	7.5	0.02	0.008	0.014	90.9	0.01	0.01	0.008	0.013
SND06468-2	83	0.25	0.083	0.167	100.3	1.39	0.12	0.084	0.167
SND06468-20	6868.6	9.31	6.866	8.083	30.4	301.20	1.74	1.227	2.454
SND06468-21	1436.6	2.8	1.436	2.118	84.4	93.08	0.96	0.682	1.364
SND06468-22	1978	2.82	1.978	2.298	28.0	20.74	0.46	0.322	0.644
SND06468-23	1614	0.89	1.614	1.102	74.8	39.95	0.68	0.412	0.824
SND06468-24	387.3	0.59	0.387	0.489	41.5	2.05	0.14	0.101	0.203
SND06468-27	7.4	0.01	0.007	0.009	29.9	0.00	0.00	0.001	0.003
SND06468-28	242.6	0.16	0.243	0.201	41.0	0.34	0.06	0.041	0.083
SND06468-3	301.9	0.41	0.302	0.368	30.4	0.68	0.08	0.064	0.128
SND06468-4	89.1	0.13	0.089	0.100	81.2	0.19	0.04	0.030	0.061
SND06468-5	287.6	0.6	0.288	0.434	76.8	5.52	0.24	0.166	0.332
SND06468-6	52.7	0.08	0.053	0.066	41.1	0.04	0.02	0.014	0.027
SND06468-7	1055	0.66	1.055	0.808	61.3	12.25	0.35	0.248	0.496
SND06468-8	19.1	0.07	0.019	0.045	114.3	0.13	0.04	0.025	0.051
SND06468-9	1069.5	2.57	1.069	1.819	82.5	112.73	1.09	0.751	1.502
SND06489-1	235.3	0.3	0.235	0.268	24.2	0.21	0.05	0.032	0.065
SND06489-2	5374.4	5.17	5.374	5.272	3.9	2.09	0.14	0.102	0.204
SND06489-2RE	4216.6	5.46	4.220	4.840	25.6	78.93	0.86	0.620	1.240
SND06489-2RRE	4834.4	5.43	4.834	5.132	11.8	17.74	0.42	0.298	0.596
SND06489-3	207.7	0.23	0.208	0.218	10.2	0.02	0.02	0.011	0.022
SND06489-4	8.2	0.02	0.008	0.013	105.3	0.01	0.01	0.007	0.014
SND06489-5	0.7	0.01	0.001	0.005	173.9	0.00	0.01	0.006	0.009
SND06490-1	881.7	1.02	0.882	0.941	16.6	1.25	0.11	0.079	0.158
SND06490-10	466.7	1.04	0.467	0.753	76.1	16.43	0.41	0.287	0.573
SND06490-11	3.7	0.02	0.004	0.012	137.6	0.01	0.01	0.008	0.016
SND06490-12	11.9	0.02	0.012	0.016	50.8	0.00	0.01	0.004	0.008
SND06490-13	3.4	0.01	0.003	0.007	98.5	0.00	0.00	0.003	0.007
SND06490-2	49.2	0.02	0.049	0.035	84.4	0.04	0.02	0.015	0.029
SND06490-3	72.4	0.08	0.072	0.069	18.7	0.01	0.01	0.006	0.012
SND06490-4	480.1	0.14	0.480	0.300	106.7	5.12	0.23	0.160	0.320
SND06490-5	5.7	0.01	0.006	0.008	54.8	0.00	0.00	0.002	0.004
SND06490-6	2.5	0.01	0.003	0.006	120.0	0.00	0.01	0.004	0.008
SND06490-8	211.3	0.39	0.211	0.301	59.4	1.80	0.13	0.089	0.178
SND06491-1	9	0.02	0.009	0.016	75.9	0.01	0.01	0.006	0.011
SND06491-12	7.4	0.02	0.007	0.014	92.0	0.01	0.01	0.006	0.013
SND06491-12RE	21.9	0.02	0.022	0.021	9.1	0.00	0.00	0.001	0.002

Table 4

Re-Assayed Sample Summary 2008

Sample Number	Au ppb G1DX	AU FA g/t G6	Au g/t G1DX	Mean g/t	Variability %	Variance %	Standard deviation	Nx-Nave	Nmax-Nmin
SED446-8	31.5	0.08	0.032	0.056	87.0	0.12	0.03	0.024	0.049
SED447-12	188.7	0.2	0.188	0.184	8.8	0.01	0.01	0.006	0.011
SED447-4	318	0.55	0.318	0.434	53.5	2.69	0.18	0.116	0.232
SED448-10	43.4	0.02	0.043	0.032	73.8	0.03	0.02	0.012	0.023
SED448-2	121.8	0.14	0.122	0.131	13.8	0.02	0.01	0.009	0.018
SED448-6	512.2	0.21	0.512	0.361	83.7	4.57	0.21	0.151	0.302
SED448-7	25.6	0.18	0.026	0.103	150.2	1.19	0.11	0.077	0.154
SED448-9	1426.1	1.27	1.426	1.348	11.6	1.22	0.11	0.078	0.156
SED449-11	463.3	1.04	0.463	0.752	78.7	16.83	0.41	0.288	0.577
SND06450-20	5874.3	2.85	6.874	4.812	78.9	770.01	2.77	1.982	3.924
SND06450-21	1382.8	4.27	1.383	2.826	102.2	418.85	2.04	1.444	2.887
SND06450-26	228.9	0.34	0.229	0.284	39.1	0.82	0.08	0.056	0.111
SND06450-27	581.8	2.22	0.582	1.401	116.9	134.17	1.18	0.819	1.638
SND06450-29	327.1	0.55	0.327	0.439	50.8	2.46	0.18	0.111	0.223
SND06460-30	54.3	0.1	0.054	0.077	59.2	0.16	0.03	0.023	0.048
SND06460-31	151.7	0.25	0.152	0.201	48.9	0.48	0.07	0.049	0.098
SND06460-34	466.4	0.35	0.468	0.408	28.5	0.58	0.08	0.058	0.116
SND06460-38	61.8	0.07	0.062	0.068	12.4	0.05	0.01	0.004	0.008
SND06460-39	113	0.83	0.113	0.472	152.1	25.70	0.51	0.358	0.717
SND06460-40	239.7	0.75	0.240	0.495	103.1	13.02	0.36	0.265	0.510
SND06460-41	616.8	0.75	0.617	0.683	19.5	0.89	0.09	0.087	0.133
SND06460-44	18.3	0.1	0.018	0.059	138.1	0.33	0.08	0.041	0.082
SND06461-11	1188	0.97	1.188	1.079	20.2	2.38	0.15	0.109	0.218
SND06461-14	650.2	1.83	0.650	1.140	85.9	48.00	0.89	0.490	0.980
SND06461-16	2606.5	2.89	2.607	2.748	10.3	4.02	0.20	0.142	0.284
SND06461-17	4372.1	4.56	4.372	4.468	4.2	1.77	0.13	0.094	0.188
SND06461-19	71.2	0.06	0.071	0.068	17.1	0.01	0.01	0.008	0.011
SND06461-20	210.8	0.12	0.211	0.165	54.8	0.41	0.08	0.045	0.091
SND06461-21	283	0.22	0.283	0.262	25.0	0.20	0.04	0.032	0.063
SND06461-21RE	241.9	0.21	0.242	0.228	14.1	0.08	0.02	0.016	0.032
SND06461-21RRE	212.9	0.22	0.213	0.216	3.3	0.00	0.01	0.004	0.007
SND06461-3	15864.6	14.32	15.865	15.992	10.2	119.29	1.08	0.772	1.545
SND06461-6	142.8	0.16	0.143	0.151	11.5	0.02	0.01	0.009	0.017
SND06462-1	73.7	0.1	0.074	0.087	30.3	0.03	0.02	0.013	0.026
SND06462-2	375.4	0.29	0.375	0.333	25.7	0.36	0.08	0.043	0.086
SND06462-3	152.6	0.08	0.153	0.116	82.4	0.26	0.05	0.036	0.073
SND06462-4	832.1	1.16	0.832	0.996	32.9	5.38	0.23	0.164	0.328
SND06462-4RE	1335.8	1.17	1.336	1.253	13.2	1.37	0.12	0.083	0.168
SND06462-4RRE	1807.2	1.23	1.807	1.519	38.0	16.88	0.41	0.289	0.577
SND06462-6	6554.4	4.61	6.554	5.582	34.6	189.03	1.37	0.972	1.944
SND06491-12RRE	23.1	0.04	0.023	0.032	53.8	0.01	0.01	0.008	0.017
SND06491-13	120.4	0.13	0.120	0.125	7.7	0.00	0.01	0.005	0.010
SND06491-14	411.9	0.44	0.412	0.425	6.6	0.04	0.02	0.014	0.028
SND06491-15	8.2	0.01	0.009	0.010	8.3	0.00	0.00	0.000	0.001
SND06491-16	17.4	0.11	0.017	0.064	145.4	0.43	0.07	0.048	0.093
SND06491-17	8.7	0.01	0.009	0.009	13.9	0.00	0.00	0.001	0.001
SND06491-18	8.3	0.03	0.008	0.019	113.3	0.02	0.02	0.011	0.022
SND06491-2	2243	1.04	2.243	1.842	73.3	72.98	0.85	0.602	1.203
SND06491-20	404.5	0.38	0.405	0.392	6.2	0.03	0.02	0.012	0.025
SND06491-21	1596.2	0.45	1.596	1.023	112.0	65.89	0.81	0.573	1.148
SND06491-3	308.5	0.88	0.307	0.593	98.6	16.44	0.41	0.287	0.573
SND06491-6	370.3	0.51	0.370	0.440	31.7	0.88	0.10	0.070	0.140
SND06491-7	349.7	0.27	0.350	0.310	25.7	0.32	0.06	0.040	0.080
SND06491-9	16104.4	19.82	16.104	17.962	20.7	890.28	2.83	1.858	3.716
SND06492-10	660.1	1.3	0.660	0.980	65.3	20.47	0.45	0.320	0.640
SND06492-11	178.5	0.3	0.178	0.239	60.8	0.74	0.09	0.061	0.122
SND06492-12	43.3	0.09	0.043	0.067	70.1	0.11	0.03	0.023	0.047
SND06492-13	53.8	0.09	0.054	0.072	50.3	0.07	0.03	0.018	0.036
SND06492-14	36.9	0.12	0.037	0.078	105.9	0.35	0.06	0.042	0.083
SND06492-17	8.5	0.02	0.009	0.014	80.7	0.01	0.01	0.006	0.012
SND06492-18	35	0.1	0.035	0.068	96.3	0.21	0.05	0.033	0.065
SND06492-19	938	1.04	0.938	0.989	10.3	0.52	0.07	0.051	0.102
SND06492-2	88.4	0.15	0.089	0.120	50.6	0.16	0.04	0.030	0.061
SND06492-20	3229.9	6.9	3.230	5.065	72.5	673.48	2.60	1.835	3.670
SND06492-21	1176.6	3.18	1.177	2.178	82.0	200.88	1.42	1.002	2.003
SND06492-22	502.7	0.94	0.503	0.721	60.8	8.56	0.31	0.219	0.437
SND06492-23	326.6	0.28	0.127	0.203	75.5	1.18	0.11	0.077	0.153
SND06492-24	1150.3	1.31	1.150	1.230	13.0	1.28	0.11	0.080	0.160
SND06492-25	447.8	0.84	0.448	0.644	60.9	7.89	0.28	0.198	0.392
SND06492-26	15	0.05	0.015	0.033	107.7	0.06	0.02	0.018	0.035
SND06492-27	27	0.03	0.027	0.029	10.5	0.00	0.00	0.002	0.003
SND06492-28	1027.2	2.14	1.027	1.584	70.3	61.82	0.79	0.556	1.113
SND06492-29	382.4	1.27	0.382	0.816	111.2	41.19	0.64	0.454	0.908
SND06492-29RE	285.2	1.8	0.285	0.943	139.5	88.43	0.93	0.657	1.316
SND06492-29RRE	377.3	1.08	0.377	0.719	95.0	23.30	0.48	0.341	0.683
SND06492-3	6.6	0.01	0.007	0.008	41.0	0.00	0.00	0.002	0.003
SND06492-30	676.7	1.55	0.677	1.113	78.4	38.13	0.82	0.437	0.873
SND06492-31	637	1.86	0.637	1.149	89.1	62.33	0.72	0.512	1.023
SND06492-32	7	0.02	0.007	0.014	98.3	0.01	0.01	0.007	0.013

Table 4

Re-Assayed Sample Summary 2006

Sample Number	Au ppb G1DX	AU FA g/t G6	Au g/t G1DX	Mean g/t	Variability %	Variance %	Standard deviation	Nx-Nave	Nmax-Nmin
SED446-8	31.8	0.08	0.032	0.058	87.0	0.12	0.03	0.024	0.048
SED447-12	188.7	0.2	0.189	0.194	5.8	0.01	0.01	0.006	0.011
SED447-4	318	0.55	0.318	0.434	53.5	2.69	0.16	0.116	0.232
SED448-10	43.4	0.02	0.043	0.032	73.8	0.03	0.02	0.012	0.023
SED448-2	121.9	0.14	0.122	0.131	13.8	0.02	0.01	0.009	0.018
SED448-6	512.2	0.21	0.512	0.381	83.7	4.57	0.21	0.151	0.302
SED448-7	25.6	0.18	0.028	0.103	180.2	1.19	0.11	0.077	0.154
SED448-9	1420.1	1.27	1.428	1.348	11.8	1.22	0.11	0.078	0.158
SED449-11	463.3	1.04	0.483	0.752	78.7	18.63	0.41	0.288	0.577
SND08450-20	6874.3	2.95	8.874	4.912	79.9	770.01	2.77	1.982	3.824
SND08450-21	1382.6	4.27	1.383	2.828	102.2	418.85	2.04	1.444	2.887
SND08450-26	228.8	0.34	0.229	0.284	39.1	0.82	0.08	0.056	0.111
SND08450-27	581.9	2.22	0.582	1.401	118.9	134.17	1.16	0.819	1.638
SND08450-29	327.1	0.65	0.327	0.439	50.8	2.48	0.15	0.111	0.223
SND08450-30	54.3	0.1	0.054	0.077	69.2	0.10	0.03	0.023	0.046
SND08450-31	151.7	0.25	0.152	0.201	48.9	0.48	0.07	0.049	0.098
SND08450-34	466.4	0.35	0.468	0.408	28.5	0.68	0.08	0.058	0.116
SND08450-38	61.8	0.07	0.082	0.088	12.4	0.00	0.01	0.004	0.008
SND08450-39	113	0.83	0.113	0.472	152.1	25.70	0.51	0.359	0.717
SND08450-40	239.7	0.75	0.240	0.495	103.1	13.02	0.36	0.255	0.510
SND08450-41	618.9	0.75	0.617	0.883	19.5	0.89	0.09	0.087	0.133
SND08450-44	18.3	0.1	0.018	0.059	138.1	0.33	0.06	0.041	0.082
SND08451-11	1188	0.97	1.188	1.079	20.2	2.38	0.15	0.109	0.218
SND08451-14	650.2	1.63	0.650	1.140	85.9	48.00	0.69	0.460	0.880
SND08451-15	2606.5	2.89	2.807	2.748	10.3	4.02	0.20	0.142	0.284
SND08451-17	4372.1	4.56	4.372	4.468	4.2	1.77	0.13	0.094	0.188
SND08451-19	71.2	0.06	0.071	0.068	17.1	0.01	0.01	0.006	0.011
SND08451-20	210.8	0.12	0.211	0.165	84.8	0.41	0.06	0.045	0.091
SND08451-21	289	0.22	0.283	0.262	25.0	0.20	0.04	0.032	0.063
SND08451-21RRE	241.9	0.21	0.242	0.228	14.1	0.05	0.02	0.018	0.032
SND08451-21RRE	212.9	0.22	0.213	0.218	3.3	0.00	0.01	0.004	0.007
SND08451-3	15884.6	14.32	15.888	15.092	10.2	119.29	1.09	0.772	1.545
SND08451-5	142.0	0.18	0.143	0.151	11.5	0.02	0.01	0.009	0.017
SND08452-1	73.7	0.1	0.074	0.087	30.3	0.03	0.02	0.013	0.026
SND08452-2	375.4	0.29	0.375	0.333	25.7	0.38	0.06	0.043	0.085
SND08452-3	152.5	0.08	0.153	0.116	62.4	0.28	0.05	0.036	0.073
SND08452-4	832.1	1.10	0.832	0.990	32.9	5.38	0.23	0.164	0.328
SND08452-4RE	1335.8	1.17	1.336	1.253	13.2	1.37	0.12	0.083	0.166
SND08452-4RRE	1807.2	1.23	1.807	1.519	38.0	18.58	0.41	0.289	0.577
SND08452-6	6554.4	4.81	6.554	5.582	34.8	188.03	1.37	0.972	1.944
SND08452-33	17.3	0.2	0.017	0.109	188.2	1.87	0.13	0.091	0.183
SND08452-4	7.5	0.02	0.008	0.014	90.9	0.01	0.01	0.006	0.013
SND08452-5	135.7	0.24	0.136	0.188	55.5	0.54	0.07	0.052	0.104
SND08452-8	6.5	0.03	0.007	0.018	128.8	0.03	0.02	0.012	0.024
SND08452-7	69	0.14	0.089	0.115	44.5	0.13	0.04	0.028	0.051
SND08452-8	62.8	0.09	0.063	0.076	35.6	0.04	0.02	0.014	0.027
SND08452-9	173.2	0.13	0.173	0.152	28.5	0.09	0.03	0.022	0.043
SND08453-1	19	0.05	0.018	0.035	89.9	0.05	0.02	0.016	0.031
SND08453-10	31.8	0.03	0.032	0.031	5.2	0.00	0.00	0.001	0.002
SND08453-11	10.5	0.01	0.011	0.010	4.9	0.00	0.00	0.000	0.001
SND08453-12	3.8	0.01	0.004	0.007	89.9	0.00	0.00	0.003	0.006
SND08453-13	3.3	0.01	0.003	0.007	100.8	0.00	0.00	0.003	0.007
SND08453-15	179.4	0.2	0.179	0.190	10.9	0.02	0.01	0.010	0.021
SND08453-16	37	0.07	0.037	0.054	61.7	0.05	0.02	0.017	0.033
SND08453-16RE	48.6	0.08	0.048	0.064	48.6	0.05	0.02	0.018	0.031
SND08453-16RRE	56.1	0.06	0.058	0.058	6.7	0.00	0.00	0.002	0.004
SND08453-17	24.9	0.03	0.025	0.027	18.6	0.00	0.00	0.003	0.005
SND08453-18	10.8	0.02	0.011	0.015	59.7	0.00	0.01	0.005	0.009
SND08453-19	231.8	0.19	0.232	0.211	19.8	0.09	0.03	0.021	0.042
SND08453-2	41.8	0.05	0.042	0.048	17.9	0.00	0.01	0.004	0.008
SND08453-20	249.6	0.41	0.250	0.330	48.6	1.28	0.11	0.080	0.160
SND08453-21	54	0.07	0.054	0.062	25.8	0.01	0.01	0.008	0.016
SND08453-3	310.3	0.82	0.310	0.485	68.6	4.80	0.22	0.155	0.310
SND08453-4	22	0.08	0.022	0.041	92.7	0.07	0.03	0.019	0.038
SND08453-5	8	0.02	0.008	0.014	85.7	0.01	0.01	0.006	0.012
SND08453-6	2.3	0.01	0.002	0.006	125.2	0.00	0.01	0.004	0.008
SND08453-7	10903	10.66	10.903	10.782	2.3	2.95	0.17	0.122	0.243
SND08453-8	4311.9	3.73	4.312	4.021	14.5	16.93	0.41	0.291	0.582
SND08453-9	288.2	0.39	0.288	0.338	30.7	0.54	0.07	0.052	0.104
SND08454-1	17.3	0.07	0.017	0.044	120.7	0.14	0.04	0.028	0.053
SND08454-10	5.4	0.02	0.005	0.013	115.0	0.01	0.01	0.007	0.015
SND08454-11	6.9	0.03	0.006	0.018	134.3	0.03	0.02	0.012	0.024
SND08454-14	4.5	0.01	0.005	0.007	75.9	0.00	0.00	0.003	0.006
SND08454-15	48	0.08	0.048	0.063	84.0	0.08	0.02	0.017	0.034
SND08454-18	74.8	0.14	0.075	0.107	60.7	0.21	0.05	0.033	0.065
SND08454-17	502.4	0.58	0.502	0.531	10.8	0.17	0.04	0.029	0.058
SND08454-16	9.3	0.02	0.009	0.016	73.0	0.01	0.01	0.005	0.011
SND08454-19	235.9	0.2	0.238	0.218	18.3	0.08	0.03	0.018	0.036
SND08454-2	72.1	0.09	0.072	0.081	22.1	0.02	0.01	0.009	0.018

Table 4

Re-Assayed Sample Summary 2006

Sample Number	Au ppb G1DX	AU FA g/t G6	Au g/t G1DX	Mean g/t	Variability %	Variance %	Standard deviation	Nz-Nava	Nmax-Nmin
SED446-6	31.5	0.08	0.032	0.056	87.0	0.12	0.03	0.024	0.049
SED447-12	160.7	0.2	0.189	0.194	5.8	0.01	0.01	0.008	0.011
SED447-4	310	0.55	0.318	0.434	53.5	2.89	0.16	0.116	0.292
SED448-10	43.4	0.02	0.043	0.032	73.8	0.03	0.02	0.012	0.023
SED448-2	121.9	0.14	0.122	0.131	13.9	0.02	0.01	0.009	0.018
SED448-8	512.2	0.21	0.512	0.361	83.7	4.57	0.21	0.151	0.302
SED448-7	25.8	0.18	0.026	0.103	150.2	1.19	0.11	0.077	0.154
SED448-9	1426.1	1.27	1.426	1.348	11.6	1.22	0.11	0.078	0.156
SED448-11	463.3	1.04	0.463	0.752	76.7	18.83	0.41	0.288	0.577
SND06450-20	6874.3	2.95	8.874	4.912	78.9	770.01	2.77	1.982	3.924
SND06450-21	1382.6	4.27	1.383	2.828	102.2	416.85	2.04	1.444	2.887
SND06450-26	228.9	0.34	0.229	0.284	39.1	0.62	0.06	0.058	0.111
SND06450-27	581.9	2.22	0.582	1.401	118.9	134.17	1.16	0.819	1.638
SND06450-29	327.1	0.56	0.327	0.439	50.8	2.48	0.16	0.111	0.223
SND06450-30	54.3	0.1	0.054	0.077	59.2	0.10	0.03	0.023	0.046
SND06450-31	151.7	0.25	0.152	0.201	48.9	0.48	0.07	0.049	0.098
SND06450-34	466.4	0.35	0.466	0.408	28.5	0.68	0.08	0.058	0.116
SND06450-38	61.0	0.07	0.062	0.066	12.4	0.00	0.01	0.004	0.008
SND06450-39	113	0.83	0.113	0.472	152.1	25.70	0.51	0.359	0.717
SND06450-40	236.7	0.75	0.240	0.495	103.1	13.02	0.36	0.255	0.510
SND06450-41	616.9	0.75	0.617	0.683	19.5	0.89	0.09	0.067	0.133
SND06450-44	18.3	0.1	0.018	0.059	136.1	0.33	0.06	0.041	0.082
SND06451-11	1188	0.87	1.188	1.079	20.2	2.38	0.15	0.109	0.218
SND06451-14	660.2	1.83	0.660	1.140	85.9	48.00	0.69	0.490	0.980
SND06451-15	2608.5	2.89	2.607	2.748	10.3	4.02	0.20	0.142	0.284
SND06451-17	4372.1	4.56	4.372	4.466	4.2	1.77	0.13	0.094	0.188
SND06451-19	71.2	0.06	0.071	0.066	17.1	0.01	0.01	0.006	0.011
SND06451-20	210.0	0.12	0.211	0.185	54.8	0.41	0.06	0.045	0.091
SND06451-21	283	0.22	0.283	0.252	26.0	0.20	0.04	0.032	0.063
SND06451-21RE	241.9	0.21	0.242	0.226	14.1	0.05	0.02	0.016	0.032
SND06451-21RRE	212.9	0.22	0.213	0.218	3.9	0.00	0.01	0.004	0.007
SND06451-3	15864.6	14.32	15.865	15.092	10.2	119.29	1.09	0.772	1.545
SND06451-5	142.6	0.18	0.143	0.151	11.5	0.02	0.01	0.009	0.017
SND06452-1	73.7	0.1	0.074	0.087	30.3	0.03	0.02	0.013	0.026
SND06452-2	375.4	0.29	0.375	0.333	25.7	0.36	0.06	0.043	0.086
SND06452-3	152.5	0.08	0.153	0.116	82.4	0.26	0.05	0.036	0.073
SND06452-4	632.1	1.18	0.632	0.996	32.9	5.38	0.23	0.164	0.326
SND06452-4RE	1335.8	1.17	1.336	1.253	13.2	1.37	0.12	0.083	0.166
SND06452-4RRE	1807.2	1.23	1.807	1.519	38.0	18.66	0.41	0.289	0.577
SND06452-6	8554.4	4.81	6.554	5.582	34.8	189.03	1.37	0.972	1.944
SND06494-20	23.7	0.1	0.024	0.082	123.4	0.29	0.05	0.036	0.078
SND06494-21	8.3	0.02	0.006	0.014	82.7	0.01	0.01	0.006	0.012
SND06494-3	236.3	0.15	0.236	0.193	44.7	0.37	0.06	0.043	0.086
SND06494-4	3	0.01	0.003	0.007	107.7	0.00	0.00	0.004	0.007
SND06494-5	2	0.01	0.002	0.006	133.3	0.00	0.01	0.004	0.008
SND06494-6	5.6	0.01	0.006	0.008	58.1	0.00	0.00	0.002	0.006
SND06494-7	4143.2	4.48	4.143	4.312	7.8	5.67	0.24	0.166	0.337
SND06494-8	11	0.04	0.011	0.028	113.7	0.04	0.02	0.015	0.029
SND06494-9	4924.8	4.38	4.925	4.652	11.7	14.83	0.39	0.272	0.545
SND06495-1	2051.3	3.46	2.051	2.756	51.1	99.22	1.00	0.704	1.408
SND06495-2	4.5	0.02	0.005	0.012	126.5	0.01	0.01	0.008	0.016
SND06495-3	61.1	0.08	0.061	0.071	28.8	0.02	0.01	0.009	0.019
SND06495-4	15.7	0.03	0.016	0.023	62.6	0.01	0.01	0.007	0.014
SND06495-5	27.6	0.04	0.028	0.034	36.7	0.01	0.01	0.006	0.012
SND06495-8	689.8	0.91	0.690	0.800	27.6	2.43	0.18	0.110	0.220
SND06496-1	8.4	0.02	0.008	0.014	81.7	0.01	0.01	0.006	0.012
SND06496-10	17.4	0.01	0.017	0.014	54.0	0.00	0.01	0.004	0.007
SND06496-11	0.5	0.01	0.001	0.005	181.0	0.00	0.01	0.005	0.010
SND06496-12	130.3	1	0.130	0.585	153.9	37.82	0.61	0.435	0.870
SND06496-13	383.6	0.43	0.384	0.407	11.4	0.11	0.03	0.023	0.046
SND06496-14	268.6	0.33	0.270	0.300	20.2	0.18	0.04	0.030	0.061
SND06496-14RE	261.6	0.4	0.252	0.326	45.5	1.10	0.10	0.074	0.148
SND06496-14RRE	219.4	0.31	0.219	0.285	34.2	0.41	0.06	0.045	0.091
SND06496-15	8.3	0.03	0.008	0.019	113.3	0.02	0.02	0.011	0.022
SND06496-16	1162.1	1.21	1.162	1.196	2.3	0.04	0.02	0.014	0.028
SND06496-17	1767.3	3.44	1.767	2.604	64.2	139.90	1.18	0.838	1.673
SND06496-18	14.9	0.03	0.015	0.022	67.3	0.01	0.01	0.008	0.015
SND06496-19	35.8	0.04	0.036	0.038	11.6	0.00	0.00	0.002	0.004
SND06496-2	203.8	0.45	0.204	0.327	75.4	3.04	0.17	0.123	0.246
SND06496-20	23	0.03	0.023	0.027	26.4	0.00	0.00	0.004	0.007
SND06496-23	1.6	0.01	0.002	0.006	144.8	0.00	0.01	0.004	0.008
SND06496-24	710	1.34	0.710	1.025	61.5	19.85	0.45	0.315	0.630
SND06496-25	83.4	0.07	0.063	0.067	9.9	0.00	0.00	0.003	0.007
SND06496-28	2	0.01	0.002	0.006	133.3	0.00	0.01	0.004	0.008
SND06496-27	2413.1	4.61	2.413	3.512	62.6	241.32	1.55	1.098	2.197
SND06496-28	195	0.18	0.195	0.188	8.0	0.01	0.01	0.008	0.015
SND06496-29	11.2	0.01	0.011	0.011	11.3	0.00	0.00	0.001	0.001
SND06496-3	66.1	0.02	0.066	0.043	107.1	0.11	0.03	0.023	0.048
SND06496-30	2.5	0.01	0.003	0.006	120.0	0.00	0.01	0.004	0.008

Table 4

Sample Number	Re-Assayed Sample Summary 2008				Mean g/t	Variability %	Variance %	Standard deviation	N _x -N _{ave}	N _{max} -N _{min}
	Au ppb G1DX	AU FA g/t G6	Au g/t G1DX							
SED446-6	31.6	0.08	0.032	0.058	87.0	0.12	0.03	0.024	0.049	
SED447-12	188.7	0.2	0.189	0.194	5.8	0.01	0.01	0.006	0.011	
SED447-4	318	0.55	0.318	0.434	53.5	2.89	0.18	0.116	0.232	
SED448-10	43.4	0.02	0.043	0.032	73.8	0.03	0.02	0.012	0.023	
SED448-2	121.9	0.14	0.122	0.131	13.8	0.02	0.01	0.009	0.018	
SED448-8	512.2	0.21	0.612	0.381	83.7	4.57	0.21	0.151	0.302	
SED448-7	26.8	0.18	0.028	0.103	160.2	1.19	0.11	0.077	0.154	
SED448-9	1426.1	1.27	1.428	1.348	11.8	1.22	0.11	0.078	0.156	
SED449-11	483.3	1.04	0.483	0.762	78.7	18.63	0.41	0.288	0.577	
SND06450-20	6874.3	2.95	6.874	4.912	79.9	770.01	2.77	1.962	3.924	
SND06450-21	1382.6	4.27	1.383	2.826	102.2	418.85	2.04	1.444	2.887	
SND06450-26	228.9	0.34	0.229	0.284	39.1	0.82	0.08	0.058	0.111	
SND06450-27	581.9	2.22	0.582	1.401	118.9	134.17	1.18	0.819	1.638	
SND06450-29	327.1	0.55	0.327	0.439	50.8	2.48	0.18	0.111	0.223	
SND06450-30	54.3	0.1	0.064	0.077	59.2	0.10	0.03	0.023	0.046	
SND06450-31	151.7	0.25	0.152	0.201	48.9	0.48	0.07	0.049	0.098	
SND06450-34	488.4	0.35	0.485	0.408	28.5	0.88	0.08	0.058	0.116	
SND06450-38	61.8	0.07	0.082	0.085	12.4	0.00	0.01	0.004	0.008	
SND06450-39	113	0.83	0.113	0.472	152.1	25.70	0.51	0.359	0.717	
SND06450-40	238.7	0.75	0.240	0.495	103.1	13.02	0.38	0.255	0.510	
SND06450-41	818.9	0.75	0.817	0.883	19.5	0.89	0.09	0.067	0.133	
SND06450-44	18.3	0.1	0.018	0.059	138.1	0.33	0.08	0.041	0.082	
SND06451-11	1189	0.97	1.188	1.079	20.2	2.38	0.15	0.109	0.218	
SND06451-14	850.2	1.83	0.850	1.140	85.9	48.00	0.69	0.490	0.980	
SND06451-15	2688.5	2.89	2.807	2.748	10.3	4.02	0.20	0.142	0.284	
SND06451-17	4372.1	4.68	4.372	4.466	4.2	1.77	0.13	0.094	0.188	
SND06451-19	71.2	0.06	0.071	0.066	17.1	0.01	0.01	0.006	0.011	
SND06451-20	210.8	0.12	0.211	0.185	54.8	0.41	0.06	0.045	0.091	
SND06451-21	283	0.22	0.283	0.262	25.0	0.20	0.04	0.032	0.063	
SND06451-21RRE	241.9	0.21	0.242	0.228	14.1	0.06	0.02	0.018	0.032	
SND06451-21RRE	212.9	0.22	0.213	0.218	3.3	0.00	0.01	0.004	0.007	
SND06451-3	15884.8	14.32	15.885	15.982	10.2	119.29	1.99	0.772	1.545	
SND06451-5	142.8	0.18	0.143	0.151	11.5	0.02	0.01	0.009	0.017	
SND06452-1	73.7	0.1	0.074	0.087	30.3	0.03	0.02	0.013	0.026	
SND06452-2	376.4	0.29	0.375	0.333	26.7	0.36	0.06	0.043	0.085	
SND06452-3	152.8	0.08	0.153	0.116	82.4	0.26	0.05	0.038	0.078	
SND06452-4	832.1	1.18	0.832	0.988	32.9	5.38	0.23	0.184	0.328	
SND06452-4RRE	1335.8	1.17	1.336	1.253	13.2	1.37	0.12	0.083	0.168	
SND06452-4RRE	1807.2	1.23	1.807	1.519	38.0	18.88	0.41	0.289	0.577	
SND06452-6	8554.4	4.81	8.554	5.582	34.8	189.03	1.37	0.972	1.944	
SND06496-31	27.4	0.03	0.027	0.029	9.1	0.00	0.00	0.001	0.003	
SND06496-4	213.3	0.38	0.213	0.297	58.2	1.39	0.12	0.083	0.167	
SND06496-5	43	0.07	0.043	0.057	47.8	0.04	0.02	0.014	0.027	
SND06496-6	1028.7	1.25	1.029	1.139	19.4	2.45	0.16	0.111	0.221	
SND06496-7	45.9	0.07	0.046	0.058	41.8	0.03	0.02	0.012	0.024	
SND06496-8	177.3	0.34	0.177	0.259	82.9	1.32	0.12	0.081	0.163	
SND06496-9	28.1	0.07	0.028	0.048	91.4	0.10	0.03	0.022	0.044	
SND06497-1	187.8	0.48	0.188	0.324	84.1	3.71	0.19	0.136	0.272	
SND06497-2	282.2	0.28	0.282	0.271	8.2	0.02	0.02	0.011	0.022	
SND06497-3	8.1	0.03	0.009	0.020	108.9	0.02	0.01	0.010	0.021	
SND06497-4	231.3	0.32	0.231	0.278	32.2	0.39	0.06	0.044	0.089	
SND06497-5	48	0.08	0.048	0.053	28.4	0.01	0.01	0.007	0.014	
SND06497-6	1037.4	1.04	1.037	1.039	0.3	0.00	0.00	0.001	0.003	
SND06498-1	510	0.65	0.510	0.530	7.5	0.08	0.03	0.020	0.040	
SND06498-11	265.2	0.34	0.265	0.303	24.7	0.28	0.05	0.037	0.075	
SND06498-12	11.4	0.08	0.011	0.038	138.1	0.12	0.03	0.024	0.049	
SND06498-12RRE	17.9	0.05	0.018	0.034	94.8	0.05	0.02	0.018	0.032	
SND06498-12RRE	51.9	0.08	0.052	0.071	53.7	0.07	0.03	0.019	0.038	
SND06498-13	31.7	0.09	0.032	0.081	95.8	0.17	0.04	0.028	0.058	
SND06498-15	27.1	0.04	0.027	0.034	38.5	0.01	0.01	0.006	0.013	
SND06498-16	215.1	0.33	0.215	0.273	42.2	0.68	0.08	0.057	0.115	
SND06498-18	80	0.13	0.080	0.105	47.8	0.13	0.04	0.025	0.050	
SND06498-19	125.2	0.18	0.125	0.153	35.9	0.16	0.04	0.027	0.055	
SND06498-2	328.9	0.84	0.327	0.583	87.9	13.18	0.36	0.267	0.513	
SND06498-20	4.3	0.01	0.004	0.007	79.7	0.00	0.00	0.003	0.006	
SND06498-22	144.4	0.09	0.144	0.117	48.4	0.15	0.04	0.027	0.054	
SND06498-23	127.8	0.39	0.128	0.259	101.3	3.44	0.19	0.131	0.262	
SND06498-24	131.9	0.2	0.132	0.186	41.0	0.23	0.05	0.034	0.068	
SND06498-26	5.9	0.03	0.006	0.018	134.3	0.03	0.02	0.012	0.024	
SND06498-27	3.3	0.01	0.003	0.007	100.8	0.00	0.00	0.003	0.007	
SND06498-3	8.8	0.01	0.009	0.009	15.1	0.00	0.00	0.001	0.001	
SND06498-5	59.2	0.04	0.059	0.050	38.7	0.02	0.01	0.010	0.019	
SND06498-6	83.5	0.09	0.064	0.077	34.5	0.04	0.02	0.013	0.027	
SND06498-7	121	0.3	0.121	0.211	85.0	1.60	0.13	0.090	0.179	
SND06498-8	24.8	0.04	0.025	0.032	47.7	0.01	0.01	0.008	0.015	
SND06498-1	84.8	0.13	0.085	0.087	88.9	0.21	0.05	0.033	0.065	
SND06499-10	2	0.01	0.002	0.006	133.3	0.00	0.01	0.004	0.008	
SND06499-11	124.1	0.08	0.124	0.102	43.2	0.10	0.03	0.022	0.044	
SND06499-12	34.3	0.04	0.034	0.037	15.3	0.00	0.00	0.003	0.006	

Table 4

Re-Assayed Sample Summary 2008

Sample Number	Au ppb G10X	AU FA gr G6	Au gr G10X	Mean gr	Variability %	Variance %	Standard deviation	Nx-None	Nmax-Nmin
SED446-6	31.5	0.06	0.032	0.056	87.0	0.12	0.03	0.024	0.049
SED447-12	188.7	0.2	0.189	0.184	5.8	0.01	0.01	0.006	0.011
SED447-4	316	0.55	0.318	0.434	53.5	2.89	0.16	0.116	0.232
SED448-10	43.4	0.02	0.043	0.032	73.8	0.03	0.02	0.012	0.023
SED448-2	121.9	0.14	0.122	0.131	13.8	0.02	0.01	0.009	0.018
SED448-6	512.2	0.21	0.512	0.361	63.7	4.57	0.21	0.151	0.302
SED448-7	25.6	0.18	0.026	0.103	150.2	1.19	0.11	0.077	0.164
SED448-9	1428.1	1.27	1.428	1.348	11.6	1.22	0.11	0.078	0.156
SED449-11	463.3	1.04	0.483	0.752	76.7	16.63	0.41	0.288	0.577
SND06450-20	9874.3	2.95	6.874	4.912	79.9	770.01	2.77	1.862	3.924
SND06450-21	1382.6	4.27	1.383	2.826	102.2	416.85	2.04	1.444	2.887
SND06450-26	228.9	0.34	0.228	0.284	39.1	0.62	0.08	0.056	0.111
SND06450-27	581.9	2.22	0.582	1.401	116.9	134.17	1.18	0.819	1.636
SND06450-29	327.1	0.55	0.327	0.439	60.8	2.48	0.16	0.111	0.223
SND06450-30	54.3	0.1	0.054	0.077	69.2	0.10	0.03	0.023	0.046
SND06450-31	151.7	0.25	0.152	0.201	46.9	0.46	0.07	0.049	0.096
SND06450-34	466.4	0.35	0.466	0.408	28.5	0.68	0.08	0.058	0.116
SND06450-38	61.8	0.07	0.062	0.066	12.4	0.00	0.01	0.004	0.006
SND06450-39	113	0.63	0.113	0.472	152.1	25.70	0.51	0.359	0.717
SND06450-40	239.7	0.75	0.240	0.495	103.1	13.02	0.36	0.255	0.510
SND06450-41	616.9	0.75	0.617	0.683	19.5	0.89	0.09	0.067	0.133
SND06450-44	18.3	0.1	0.016	0.059	138.1	0.33	0.06	0.041	0.082
SND06451-11	1188	0.97	1.188	1.079	20.2	2.38	0.16	0.109	0.218
SND06451-14	650.2	1.83	0.650	1.140	65.9	48.00	0.69	0.490	0.980
SND06451-15	2606.5	2.89	2.607	2.748	10.3	4.02	0.20	0.142	0.284
SND06451-17	4372.1	4.66	4.372	4.486	4.2	1.77	0.13	0.094	0.188
SND06451-19	71.2	0.06	0.071	0.066	17.1	0.01	0.01	0.006	0.011
SND06451-20	210.6	0.12	0.211	0.185	54.8	0.41	0.06	0.045	0.091
SND06451-21	263	0.22	0.263	0.252	25.0	0.20	0.04	0.032	0.063
SND06451-21RE	241.9	0.21	0.242	0.226	14.1	0.05	0.02	0.016	0.032
SND06451-21RRE	212.9	0.22	0.213	0.218	3.3	0.00	0.01	0.004	0.007
SND06451-3	15864.6	14.32	15.865	15.082	10.2	119.29	1.09	0.772	1.546
SND06451-5	142.6	0.16	0.143	0.151	11.5	0.02	0.01	0.009	0.017
SND06452-1	73.7	0.1	0.074	0.087	30.3	0.03	0.02	0.013	0.026
SND06452-2	375.4	0.28	0.375	0.333	25.7	0.36	0.06	0.043	0.085
SND06452-3	152.5	0.08	0.153	0.116	62.4	0.26	0.05	0.036	0.073
SND06452-4	832.1	1.16	0.832	0.966	32.9	5.38	0.23	0.184	0.328
SND06452-4RE	1335.8	1.17	1.336	1.253	13.2	1.37	0.12	0.083	0.166
SND06452-4RRE	1807.2	1.23	1.807	1.519	38.0	16.68	0.41	0.289	0.577
SND06452-6	6554.4	4.61	6.554	5.682	34.8	189.03	1.37	0.972	1.944
SND06499-13	47451.1	45.11	47.451	46.291	5.1	274.04	1.66	1.171	2.341
SND06499-14	3613.4	3.99	3.613	3.802	9.9	7.09	0.27	0.186	0.377
SND06499-15	10.5	0.01	0.011	0.010	4.9	0.00	0.00	0.000	0.001
SND06499-16	67.4	0.07	0.067	0.069	3.8	0.00	0.00	0.001	0.003
SND06499-17	274.3	0.5	0.274	0.367	56.3	2.55	0.16	0.113	0.226
SND06499-18	49.7	0.03	0.049	0.039	47.5	0.02	0.01	0.009	0.019
SND06499-19	2947.2	3.97	2.947	3.459	29.6	52.31	0.72	0.511	1.023
SND06499-2	2677.5	0.52	2.678	1.699	134.9	232.74	1.53	1.079	2.158
SND06499-3	2849.2	3.22	2.849	3.035	12.2	6.67	0.26	0.185	0.371
SND06499-4	35	0.05	0.035	0.043	35.3	0.01	0.01	0.008	0.015
SND06499-6	14.5	0.03	0.015	0.022	69.7	0.01	0.01	0.008	0.016
SND06499-6	8.5	0.02	0.009	0.014	60.7	0.01	0.01	0.008	0.012
SND06499-7	2.1	0.01	0.002	0.006	130.6	0.00	0.01	0.004	0.008
SND06499-9	2	0.02	0.002	0.011	163.6	0.02	0.01	0.009	0.018
SND06500-1	1217.6	0.18	1.218	0.699	146.5	53.85	0.73	0.519	1.036
SND06500-10	75.4	0.2	0.075	0.138	90.5	0.78	0.09	0.062	0.125
SND06500-10RE	75.3	0.11	0.075	0.093	37.5	0.06	0.02	0.017	0.035
SND06500-10RRE	115.2	0.13	0.115	0.123	12.1	0.01	0.01	0.007	0.015
SND06500-11	54.2	0.06	0.054	0.067	38.5	0.03	0.02	0.013	0.026
SND06500-12	1028.2	5.25	1.028	3.139	134.5	891.18	2.99	2.111	4.222
SND06500-13	42.5	0.05	0.043	0.046	16.2	0.00	0.01	0.004	0.008
SND06500-14	32	0.36	0.032	0.196	167.3	5.38	0.23	0.164	0.328
SND06500-15	2698.1	4.17	2.698	3.534	36.0	60.89	0.90	0.636	1.272
SND06500-16	333.9	0.83	0.334	0.482	61.4	4.38	0.21	0.148	0.296
SND06500-17	14.2	0.01	0.014	0.012	34.7	0.00	0.00	0.002	0.004
SND06500-19	1322.5	0.56	1.323	0.941	81.0	29.07	0.54	0.381	0.763
SND06500-2	120	0.09	0.120	0.105	28.6	0.05	0.02	0.015	0.030
SND06500-20	23.6	0.03	0.024	0.027	23.9	0.00	0.00	0.003	0.006
SND06500-21	7.4	0.01	0.007	0.009	29.9	0.00	0.00	0.001	0.003
SND06500-22	10.1	0.03	0.010	0.020	89.3	0.02	0.01	0.010	0.020
SND06500-24	26.1	0.04	0.026	0.033	42.1	0.01	0.01	0.007	0.014
SND06500-26	118.9	0.07	0.120	0.095	52.6	0.12	0.04	0.025	0.050
SND06500-27	748.2	1.19	0.748	0.969	45.6	0.76	0.31	0.221	0.442
SND06500-28	219.1	0.26	0.219	0.240	17.1	0.08	0.03	0.020	0.041
SND06500-29	172.2	0.21	0.172	0.191	19.6	0.07	0.03	0.019	0.038
SND06500-3	9.1	0.02	0.009	0.015	74.9	0.01	0.01	0.005	0.011
SND06500-30	27.9	0.02	0.028	0.024	33.0	0.00	0.01	0.004	0.008
SND06500-31	18.7	0.03	0.018	0.024	46.4	0.01	0.01	0.006	0.011
SND06500-32	672.5	0.75	0.673	0.711	10.9	0.30	0.05	0.039	0.078

Table 4

Re-Assayed Sample Summary 2006

Sample Number	Au ppb G1DX	AU FA g/t G6	Au g/L G1DX	Mean g/t	Variability %	Variance %	Standard deviation	Nx-Nave	Nmax-Nmin
SED446-6	31.5	0.08	0.032	0.056	87.0	0.12	0.03	0.024	0.049
SED447-12	188.7	0.2	0.189	0.194	5.8	0.01	0.01	0.006	0.011
SED447-4	318	0.55	0.318	0.434	53.5	2.69	0.18	0.116	0.232
SED448-10	43.4	0.02	0.043	0.032	73.8	0.03	0.02	0.012	0.023
SED448-2	121.9	0.14	0.122	0.131	13.6	0.02	0.01	0.009	0.016
SED448-6	612.2	0.21	0.512	0.361	83.7	4.57	0.21	0.151	0.302
SED448-7	25.6	0.18	0.026	0.103	150.2	1.19	0.11	0.077	0.154
SED448-9	1426.1	1.27	1.426	1.348	11.6	1.22	0.11	0.076	0.158
SED449-11	483.3	1.04	0.483	0.752	76.7	16.83	0.41	0.288	0.577
SND06450-20	6874.3	2.95	6.874	4.912	79.9	770.01	2.77	1.962	3.924
SND06450-21	1382.0	4.27	1.383	2.826	102.2	416.85	2.04	1.444	2.887
SND06450-26	228.9	0.34	0.229	0.284	39.1	0.62	0.08	0.056	0.111
SND06450-27	581.9	2.22	0.582	1.401	116.9	134.17	1.19	0.819	1.538
SND06450-29	327.1	0.55	0.327	0.439	60.8	2.48	0.16	0.111	0.223
SND06450-30	54.3	0.1	0.054	0.077	69.2	0.10	0.03	0.023	0.046
SND06450-31	151.7	0.25	0.152	0.201	48.9	0.48	0.07	0.049	0.098
SND06450-34	468.4	0.35	0.468	0.408	28.5	0.68	0.08	0.058	0.116
SND06450-38	61.6	0.07	0.062	0.066	12.4	0.00	0.01	0.004	0.008
SND06450-39	113	0.83	0.113	0.472	152.1	25.70	0.51	0.359	0.717
SND06450-40	239.7	0.75	0.240	0.495	103.1	13.02	0.36	0.255	0.510
SND06450-41	816.9	0.75	0.817	0.893	19.5	0.89	0.09	0.067	0.133
SND06450-44	18.3	0.1	0.018	0.059	138.1	0.33	0.06	0.041	0.082
SND06451-11	1188	0.87	1.188	1.079	20.2	2.36	0.15	0.108	0.218
SND06451-14	850.2	1.83	0.850	1.140	85.9	48.00	0.89	0.490	0.980
SND06451-15	2606.5	2.89	2.607	2.748	10.3	4.02	0.20	0.142	0.284
SND06451-17	4372.1	4.56	4.372	4.466	4.2	1.77	0.13	0.094	0.188
SND06451-19	71.2	0.08	0.071	0.066	17.1	0.01	0.01	0.006	0.011
SND06451-20	210.6	0.12	0.211	0.165	54.8	0.41	0.06	0.045	0.091
SND06451-21	283	0.22	0.283	0.262	25.0	0.20	0.04	0.032	0.065
SND06451-21RE	241.9	0.21	0.242	0.228	14.1	0.05	0.02	0.016	0.032
SND06451-21RRE	212.9	0.22	0.213	0.216	3.3	0.00	0.01	0.004	0.007
SND06451-3	15864.6	14.32	15.865	15.082	10.2	119.29	1.08	0.772	1.545
SND06451-5	142.6	0.18	0.143	0.161	11.5	0.02	0.01	0.008	0.017
SND06452-1	73.7	0.1	0.074	0.087	30.3	0.03	0.02	0.013	0.026
SND06452-2	375.4	0.29	0.375	0.333	25.7	0.36	0.06	0.043	0.085
SND06452-3	152.5	0.08	0.153	0.116	82.4	0.28	0.05	0.038	0.073
SND06452-4	832.1	1.18	0.832	0.966	32.9	5.38	0.23	0.164	0.328
SND06452-4RE	1335.8	1.17	1.336	1.253	13.2	1.37	0.12	0.083	0.168
SND06452-4RRE	1807.2	1.23	1.807	1.519	38.0	16.66	0.41	0.289	0.577
SND06452-6	6654.4	4.61	6.554	5.582	34.8	189.03	1.37	0.972	1.944
SND06500-33	411.1	0.5	0.411	0.458	19.5	0.40	0.06	0.044	0.089
SND06500-34	6080.5	6.38	5.061	5.720	23.1	87.05	0.93	0.660	1.320
SND06500-35	203.3	0.14	0.203	0.172	36.9	0.20	0.04	0.032	0.063
SND06500-36	29.4	0.03	0.029	0.030	2.0	0.00	0.00	0.000	0.001
SND06500-37	41.8	0.02	0.042	0.031	70.1	0.02	0.02	0.011	0.022
SND06500-37RE	28	0.02	0.028	0.024	33.3	0.00	0.01	0.004	0.008
SND06500-37RRE	36	0.03	0.036	0.033	18.2	0.00	0.00	0.003	0.006
SND06500-4	186.6	0.45	0.189	0.319	81.9	3.42	0.18	0.131	0.261
SND06500-5	458.7	0.2	0.467	0.328	78.2	3.29	0.18	0.128	0.257
SND06500-6	1	0.01	0.001	0.006	163.6	0.00	0.01	0.005	0.009
SND06500-7	290.4	0.46	0.290	0.375	45.2	1.44	0.12	0.085	0.170
SND06500-8	5.3	0.01	0.005	0.008	61.4	0.00	0.00	0.002	0.005
SND06500-9	17.2	0.03	0.017	0.024	54.2	0.01	0.01	0.006	0.013
SND06501-1	38.1	0.13	0.038	0.064	109.3	0.42	0.08	0.048	0.092
SND06501-10	25.9	0.05	0.026	0.038	83.5	0.03	0.02	0.012	0.024
SND06501-11	4.1	0.03	0.004	0.017	151.9	0.03	0.02	0.013	0.026
SND06501-12	68.2	0.08	0.088	0.084	9.8	0.00	0.01	0.004	0.008
SND06501-13	7908.3	12.98	7.908	10.434	48.4	1275.98	3.57	2.526	5.052
SND06501-15	79.4	0.09	0.079	0.065	12.5	0.01	0.01	0.005	0.011
SND06501-17	66.7	0.09	0.067	0.078	29.7	0.03	0.02	0.012	0.023
SND06501-2	25.9	0.02	0.026	0.023	25.7	0.00	0.00	0.003	0.006
SND06501-20	1329.6	1.25	1.329	1.304	3.7	0.12	0.03	0.024	0.049
SND06501-3	239.7	0.49	0.240	0.365	68.6	3.13	0.18	0.125	0.250
SND06501-5	207.2	0.28	0.207	0.244	29.0	0.26	0.05	0.038	0.073
SND06501-7	91.2	0.1	0.091	0.086	9.2	0.00	0.01	0.004	0.008
SND06501-8	685.9	0.89	0.686	0.788	25.9	2.08	0.14	0.102	0.204
SND06501-9	2	0.02	0.002	0.011	163.6	0.02	0.01	0.009	0.018
SND06502-1	55.4	0.27	0.055	0.163	131.8	2.30	0.15	0.107	0.215
SND06502-10	180	0.43	0.180	0.295	91.5	3.65	0.19	0.135	0.270
SND06502-11	3262.5	3.39	3.263	3.336	3.2	0.58	0.08	0.054	0.108
SND06502-13	23725.1	47.45	23.725	35.588	66.7	28143.54	18.78	11.862	23.725
SND06502-14	11435.4	37.83	11.435	24.633	107.2	34833.75	18.66	13.197	26.395
SND06502-15RRE	120.5	0.15	0.121	0.135	21.8	0.04	0.02	0.015	0.030
SND06502-16	3475	2.32	3.475	2.698	39.9	66.70	0.82	0.578	1.155
SND06502-18	3.5	0.02	0.004	0.012	140.4	0.01	0.01	0.008	0.017
SND06502-2	10.1	0.09	0.010	0.050	158.6	0.32	0.06	0.040	0.080
SND06502-20	4457	8.78	4.457	5.819	41.3	268.82	1.64	1.182	2.323
SND06502-21	379.1	2.88	0.379	1.630	153.5	312.73	1.77	1.250	2.501
SND06502-22	12.9	0.04	0.013	0.028	102.5	0.04	0.02	0.014	0.027

Table 4

Re-Assayed Sample Summary 2006

Sample Number	Au ppb G1DX	AU FA g/t G6	Au g/t G1DX	Mean g/t	Variability %	Variance %	Standard deviation	Nx-Nave	Nmax-Nmin
SED446-6	31.5	0.08	0.032	0.056	87.0	0.12	0.03	0.024	0.048
SED447-12	188.7	0.2	0.189	0.194	5.8	0.01	0.01	0.006	0.011
SED447-4	318	0.55	0.316	0.434	53.5	2.69	0.16	0.116	0.232
SED448-10	43.4	0.02	0.043	0.032	73.8	0.03	0.02	0.012	0.023
SED448-2	121.9	0.14	0.122	0.131	13.8	0.02	0.01	0.009	0.018
SED448-6	512.2	0.21	0.512	0.381	83.7	4.57	0.21	0.151	0.302
SED448-7	25.6	0.18	0.026	0.103	150.2	1.19	0.11	0.077	0.154
SED448-9	1426.1	1.27	1.426	1.346	11.6	1.22	0.11	0.078	0.156
SED448-11	463.3	1.04	0.463	0.752	76.7	16.63	0.41	0.268	0.577
SND06450-20	6874.3	2.95	6.874	4.912	79.9	770.01	2.77	1.862	3.924
SND06450-21	1382.6	4.27	1.383	2.826	102.2	416.85	2.04	1.444	2.857
SND06450-26	226.9	0.34	0.226	0.284	39.1	0.62	0.06	0.056	0.111
SND06450-27	581.9	2.22	0.582	1.401	118.9	134.17	1.16	0.819	1.638
SND06450-29	327.1	0.55	0.327	0.439	50.8	2.48	0.16	0.111	0.223
SND06450-30	54.3	0.1	0.054	0.077	59.2	0.10	0.03	0.023	0.046
SND06450-31	151.7	0.25	0.152	0.201	46.9	0.48	0.07	0.049	0.098
SND06450-34	466.4	0.35	0.466	0.408	28.5	0.88	0.08	0.056	0.116
SND06450-38	61.8	0.07	0.062	0.066	12.4	0.00	0.01	0.004	0.008
SND06450-39	113	0.63	0.113	0.472	152.1	25.70	0.51	0.359	0.717
SND06450-40	239.7	0.75	0.240	0.485	103.1	13.02	0.36	0.255	0.510
SND06450-41	616.9	0.75	0.617	0.683	19.5	0.69	0.09	0.067	0.133
SND06450-44	18.3	0.1	0.018	0.059	138.1	0.33	0.06	0.041	0.082
SND06451-11	1189	0.97	1.188	1.079	20.2	2.36	0.15	0.109	0.218
SND06451-14	650.2	1.63	0.650	1.140	85.9	48.00	0.69	0.490	0.980
SND06451-15	2606.5	2.89	2.607	2.748	10.3	4.02	0.20	0.142	0.284
SND06451-17	4372.1	4.56	4.372	4.466	4.2	1.77	0.13	0.084	0.168
SND06451-19	71.2	0.08	0.071	0.066	17.1	0.01	0.01	0.006	0.011
SND06451-20	210.6	0.12	0.211	0.165	54.8	0.41	0.06	0.045	0.091
SND06451-21	283	0.22	0.283	0.252	25.0	0.20	0.04	0.032	0.063
SND06451-21RE	241.9	0.21	0.242	0.229	14.1	0.95	0.02	0.016	0.032
SND06451-21RRE	212.9	0.22	0.213	0.216	3.3	0.00	0.01	0.004	0.007
SND06451-3	15864.6	14.32	15.865	15.092	10.2	119.29	1.09	0.772	1.545
SND06451-6	142.6	0.16	0.143	0.151	11.5	0.02	0.01	0.009	0.017
SND06452-1	73.7	0.1	0.074	0.067	30.3	0.03	0.02	0.013	0.026
SND06452-2	375.4	0.29	0.375	0.333	25.7	0.36	0.06	0.043	0.085
SND06452-3	152.5	0.08	0.153	0.116	62.4	0.26	0.05	0.036	0.073
SND06452-4	632.1	1.16	0.632	0.998	32.9	5.38	0.23	0.164	0.328
SND06452-4RE	1335.6	1.17	1.336	1.263	13.2	1.37	0.12	0.083	0.166
SND06452-4RRE	1807.2	1.23	1.607	1.519	38.0	16.68	0.41	0.289	0.577
SND06452-6	6554.4	4.61	6.554	5.582	34.8	189.03	1.37	0.972	1.944
SND06502-23	15.4	0.02	0.015	0.018	26.0	0.00	0.00	0.002	0.005
SND06502-24	65.5	0.11	0.066	0.096	25.1	0.03	0.02	0.012	0.025
SND06502-25	660.9	3.26	0.661	1.960	132.6	337.77	1.84	1.360	2.599
SND06502-26	9.8	0.05	0.010	0.030	134.4	0.06	0.03	0.020	0.040
SND06502-27	390.9	1.32	0.391	0.855	108.6	43.16	0.66	0.465	0.929
SND06502-28	12.3	0.05	0.012	0.031	121.0	0.07	0.03	0.019	0.038
SND06502-29	6.1	0.01	0.006	0.008	48.4	0.00	0.00	0.002	0.004
SND06502-3	172.1	0.48	0.172	0.328	94.4	4.74	0.22	0.154	0.308
SND06502-30	6.7	0.01	0.007	0.008	39.5	0.00	0.00	0.002	0.003
SND06502-31	255.5	0.48	0.256	0.373	62.9	2.75	0.17	0.117	0.235
SND06502-4	35.4	0.03	0.035	0.033	16.5	0.00	0.00	0.003	0.005
SND06502-5	10752.2	12.7	10.752	11.726	16.8	189.70	1.38	0.974	1.946
SND06502-6	272	0.09	0.272	0.181	100.6	1.66	0.13	0.081	0.162
SND06502-7	383	1.77	0.383	1.077	128.6	96.18	0.96	0.684	1.387
SND06502-8	2673.6	0.5	2.674	1.687	137.0	238.23	1.54	1.087	2.174
SND06503-1	172.8	0.07	0.173	0.121	84.7	0.53	0.07	0.051	0.103
SND06503-10	2190	3.16	2.190	2.675	36.3	47.05	0.69	0.485	0.970
SND06503-11	5520	6.36	6.520	6.940	40.9	403.28	2.01	1.420	2.840
SND06503-12	390.9	0.79	0.291	0.540	82.3	12.48	0.35	0.250	0.499
SND06503-13	984.9	0.69	0.985	0.837	35.2	4.35	0.21	0.147	0.295
SND06503-14	2.4	0.01	0.002	0.006	122.6	0.00	0.01	0.004	0.008
SND06503-16	8.6	0.01	0.008	0.009	15.1	0.00	0.00	0.001	0.001
SND06503-17	1569.2	2.87	1.569	2.215	59.2	85.91	0.93	0.655	1.311
SND06503-18	5.4	0.03	0.005	0.018	139.0	0.03	0.02	0.012	0.025
SND06503-19	4802.3	6.45	4.802	5.626	29.3	135.75	1.17	0.824	1.648
SND06503-19RE	3550.6	5.31	3.551	4.430	39.7	154.77	1.24	0.880	1.759
SND06503-19RRE	9213	7.51	9.213	8.362	20.4	145.01	1.20	0.852	1.703
SND06503-2	217.3	0.45	0.217	0.334	69.7	2.71	0.16	0.116	0.233
SND06503-20	15.1	0.06	0.015	0.036	119.6	0.10	0.03	0.022	0.045
SND06503-21	22	0.06	0.022	0.041	92.7	0.07	0.03	0.019	0.038
SND06503-23	7758.2	3.47	7.756	5.613	76.4	618.58	3.03	2.143	4.286
SND06503-24	2.6	0.02	0.003	0.011	154.0	0.02	0.01	0.009	0.017
SND06503-4	12.1	0.01	0.012	0.011	19.0	0.00	0.00	0.001	0.002
SND06503-5	551.9	0.37	0.552	0.461	39.5	1.85	0.13	0.091	0.182
SND06503-6	4547.1	3.66	4.547	4.104	21.6	39.35	0.63	0.444	0.887
SND06503-7	113.3	0.13	0.113	0.122	13.7	0.01	0.01	0.006	0.017
SND06503-8	103	0.22	0.103	0.162	72.4	0.68	0.06	0.059	0.117
SND06503-9	39.7	0.06	0.040	0.050	40.7	0.02	0.01	0.010	0.020