



CONTACT INFORMATION  
Mining Records Curator  
Arizona Geological Survey  
3550 N. Central Ave, 2nd floor  
Phoenix, AZ, 85012  
602-771-1601  
<http://www.azgs.az.gov>  
[inquiries@azgs.az.gov](mailto:inquiries@azgs.az.gov)

The following file is part of the Walter E. Heinrichs, Jr. Mining Collection

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Wednesday 15

January

1986

S	M	T	W	T	F	S
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5	6	7	8	9	10	11
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Job #1425

1/22/88

Arm Cuts N.  
Wheat, Ridge, Ca.  
(303) 425-1230

Joy Moseley Sr. Land

re: Draft agreement address  
S.F. Claims Lease W.

ATW

12:29  
12:29  
1 Minute

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# Tuesday 14

DECEMBER, 1985

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FEBRUARY, 1986

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Tuesday, Jan. 14, 1986

14/351

TO 104 Moseley Dr. Landman F W.E. Heinrichs (602)  
Alm. Cu. & Nil 4860 Robb St. Suite R Box 5964 623-0578  
201 Wheat Ridge, CO 80033 M Tucson, AZ 85703-0964

↓ SUBJECT SE Claims, La Paz County AZ DATE 1/20/88

MESSAGE Enclosed map on U.S.G.S. Quad background, shows the 42 Claim block. Copies of recorded notices (as recorded) for Claims 101 thru 120 are enclosed as are quit claim deed for same and for Claims 1 thru 22. Conformance notices as recorded of the latter are available here, but photocopies as recorded will have to come from the recorder's office as our only set never came back from Amoco. Sincerely, SIGNED W.E. Heinrichs for Heinrichs GEODEX

REPLY Per our phone ("Partners") (25% owner) conversation today, I am also enclosing the BLM Receipt Copy for the recording with them of the SF (SE) 101 thru SF (SE) 120 (AMK-186704 thru AMK-186723). We will contact the BLM in Phoenix next week for further follow up as you requested. Please be advised that La Paz became a new county circa 1984. SIGNED W.E. Heinrichs for DATE / /

AS N half of Yuma  
REDIFORM® 45 472

SEND PARTS 1 AND 3 WITH CARBON INTACT -  
PART 3 WILL BE RETURNED WITH REPLY.

POLY PAK (50 SETS) 4P472

DETACH AND FILE FOR FOLLOW-UP

Wednesday 29

January

1986

S M T W T F S  
5 6 7 8 9 10 11  
12 13 14 15 16 17 18  
19 20 21 22 23 24 25  
26 27 28 29 30 31

SE, Chinas Job #1425

Fry Noseley  
Sr. Land Man.

Am. Can & N. Wheatridge  
(303) 425-1230

5:30  
4:00  
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3  
Minutes

# Tuesday 28

DECEMBER 1985

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FEBRUARY 1986

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Tuesday, Jan. 28, 1986

28/337

S.E.  
~~XL~~ Claims  
1/18/88

Am. Cu & Ni

Copies of claim notices

" " quit claim deed

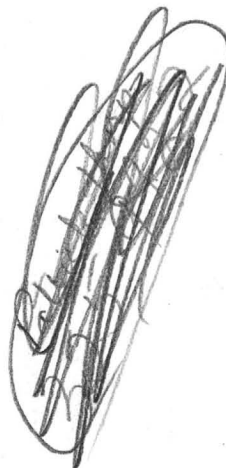
two maps filed with claim notices

Joy Mosley Sr. Landman.

4860 Robb St. (303) 425-1230

Suite 201

Wheat Ridge, CO.  
80033



Don't have  
copies as recorded  
(50 claims)

## RESUME

### PERSONAL DATA

Daniel F. Powers, 2518 N. Jonathan, Tucson, AZ 85745. Age 34.  
Married. Resident of Tucson for 13 years. Member Army  
National Guard. 624-8228, 624-9189.

### EDUCATIONAL BACKGROUND

Bachelor of Science Degree, University of Arizona, May 1981.  
Coursework includes 24 semester hours of accounting to  
include: General Accounting, Managerial Accounting, Inter-  
mediate Accounting (both semesters), Cost Accounting,  
Intro and Advanced Federal Taxation, and Auditing. Have  
met all requirements to take the CPA exam.

### EMPLOYMENT HISTORY

Army National Guard, Silver Bell Army Heliport, Marana, AZ.  
Responsible for budgeting and tracking multiple fund accounts.  
Monitor pay and travel for unit. Use Zenith 248 and Wang PC  
in performance of duties.

James V. Scanlan, CPA, 6955 N Oracle Rd, Tucson, AZ 742-8555.  
Prepared tax returns both manually and on computer. Had main  
responsibility for reviewing all tax work. Work on an as needed  
basis now for tax and accounting work.

Multiple Business Associates, PO Box 5964, Tucson, AZ 798-3855.  
Work part time as needed on various accounts. Work includes bank  
reconciliations through financial statements, payroll reports, and  
tax work. Type of accounts serviced: law firm, mining company,  
construction company, and homeowners association. Work on manual  
and computerized systems.

Air National Guard, 1500 E Valencia, Tucson, AZ 85706. Worked  
in the Accounting and Finance Department from December 30, 1983  
through February 28, 1986. Responsible for military payroll,  
manday accounting, and customer service. Operated Zenith micro-  
computer in performance of duties.

Data Professional Services, 1008 N. Tucson Blvd, Tucson, AZ 85716.  
Tax Accountant from January 1981 through May 1984. Prepared  
individual, partnership, corporation, fiduciary, and estate  
returns. Reconciled books to tax return and made necessary  
adjusting and correcting entries. Operated a IBM system 23 mini-  
computer.

### REFERENCES

James V. Scanlan, CPA, 6955 N. Oracle Rd, Tucson, AZ. 742-8555.

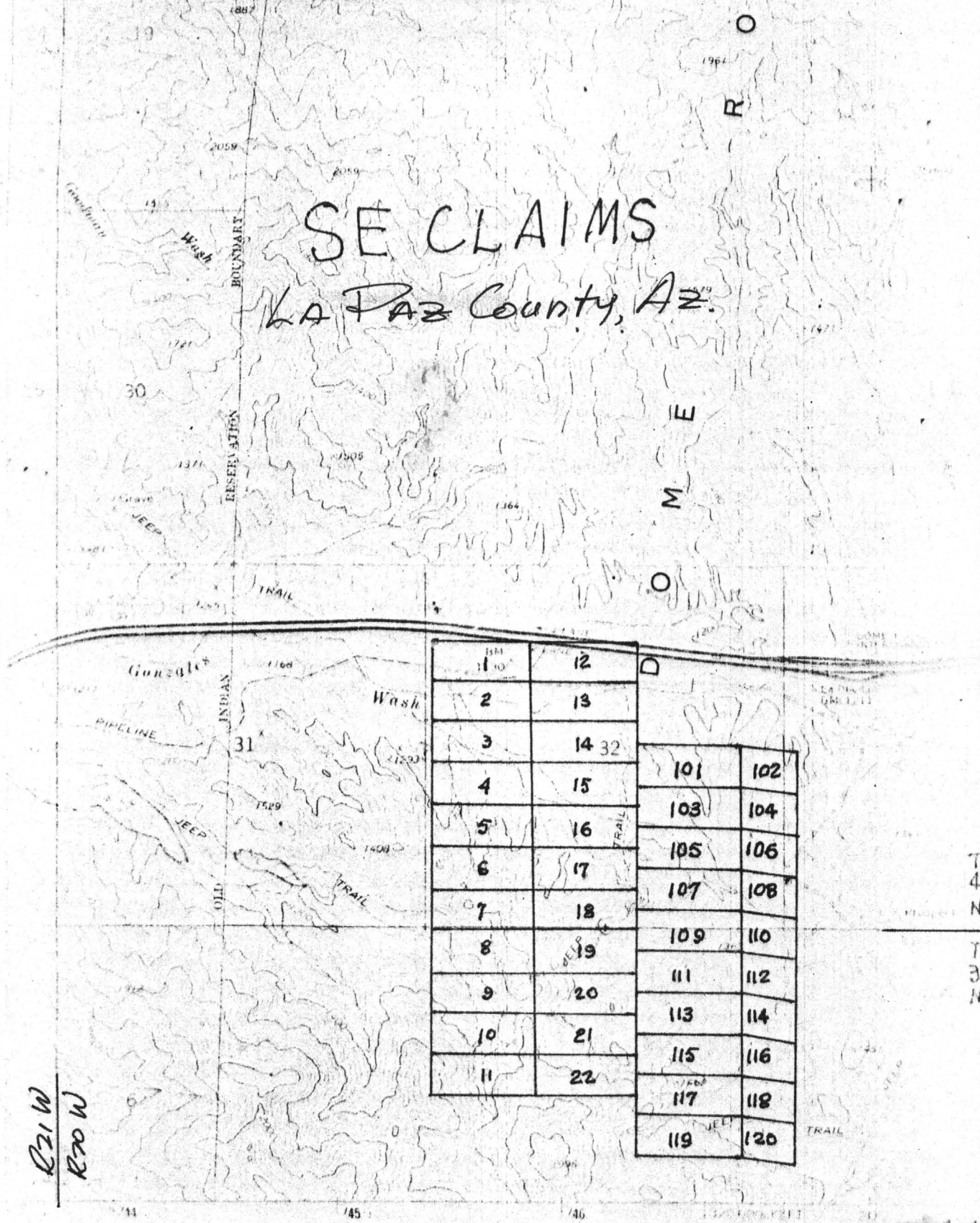
Ken Winchester, Multiple Business Associates, PO Box 5964, Tucson,  
AZ. 85703. 798-3855.

Charles Whitehurst, 1301 W Via Caballo, Tucson, AZ. 85704.  
Data Professional Services. Retired. 297-3454.



# SE CLAIMS

## La Paz County, AZ.



R21 W  
R20 W

1	2	D		
3	4		101	102
5	6		103	104
7	8		105	106
9	10		107	108
11	12		109	110
13	14		111	112
15	16		113	114
17	18		115	116
19	20		117	118
21	22		119	120

Map not plotted and published by the Geological Survey

by USGS and USC&GS

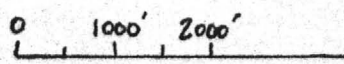
by photogrammetric methods from aerial

photos taken 1970. Field checked 1971

and 10,000-foot grid ticks: Arizona coordinate

and zone (transverse Mercator)

MIDDLE CAMP MTN.  
Quad.



281  
249 MSL

# Monday 27

## January

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S.E. Clavin  
Job # 1425

La Paz County Recorder  
669-6136, Parker, AZ

\$1<sup>00</sup> / page copies of recorded  
notices. Cashier's Check  
W.



# Sunday 26

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## January

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## 1986

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Sunday, Jan. 26, 1986

26/339

AMERICAN COPPER & NICKEL COMPANY, INC.

USA Regional Headquarters  
4860 Robb Street  
Wheat Ridge, Colorado 80033  
303-425-1230

December 16, 1987

Mr. James D. Lohry  
2121 E. Monte Vista Drive  
Tucson, Arizona 85719

Re: SE Claims LaPaz County, Arizona

Dear Mr. Lohry:

Mel Lahr, Manager of our Western District has advised me that you and your associates would consider a deal whereby American Copper & Nickel Company, Inc. (ACNC) could acquire your SE Claims located in LaPaz County, Arizona.

In return for 100% equity in the property through a lease or purchase agreement, ACNC would propose the following terms:

1. In return for a 5 year option to lease, ACNC would pay to the owners option payments according to the following Schedule:

Upon signing	\$12,000
on or before 1st Anniversary	\$16,000
on or before 2nd Anniversary	\$20,000
on or before 3rd Anniversary	\$24,000
on or before 4th Anniversary	\$28,000
2. During the option period, ACNC would commit to funding a \$50,000 annual work commitment, for so long as the option agreement remains in force.
3. ACNC could terminate the option at any time, provided it had completed the work commitment for that year, retaining no equity.
4. ACNC could exercise the lease or purchase agreement on or before the 5th anniversary date of the option agreement by paying an advance royalty amounting to \$60,000.



Mr. James D. Loghry  
Page 2  
December 16, 1987  
SE Claims, LaPaz County, Arizona

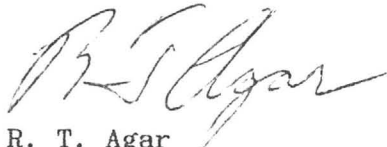
5. The term of the lease would be for 20 years or so long as production continues on the property.
6. Prior to production, ACNC would pay the owner \$60,000 per year and after commencement of production, a royalty of 10% of Net Proceeds.
7. Net Proceeds is defined as gross annual revenue minus annual operating costs minus a capital charge which would be an amount equal to the annual depreciation allowed by the I.R.S.
8. At any time prior to commencement of production, ACNC would have the option to purchase the property for \$3,000,000 less any advance royalties received up to the time ACNC elects to exercise the purchase option, or pay the production royalty described above.
9. If ACNC does not elect to exercise the purchase option, the owners can elect to receive their royalty in kind (subject to approval by our tax department).
10. The purchase price would be adjusted for inflation from the date the lease agreement is exercised.

I believe the above covers the major terms which are subject to Board approval and are not to be considered legally binding at this time. The above proposal is for your consideration. We would be pleased to provide a draft agreement for your perusal if the above terms are satisfactory to you. Please let us know at your convenience or call me or Mel Lahr if any clarification is required.

Thank you for the opportunity and hope to hear from you at the soonest.

Sincerely yours,

AMERICAN COPPER & NICKEL COMPANY, INC.

  
R. T. Agar  
President  
Director of Exploration  
USA

xc: T. Podolsky  
J. Moseley  
M. Lahr  
File

FRIDAY

JANUARY						
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31						

Success

29

JAN. 1988

8/16/89

1: PM

AM C4 & Vi  
Wheat Ridge, Colo.

(303) 425-1230 re

1989 Annual labor

SE Claims J6 #1425

A.T.&T.

2 Minutes

FRIDAY, JAN. 29

- 337

DAYS REMAINING

DAY OF THE YEAR

3/6/89  
John Lukens.

Called.  
again

Peter Thurston  
1 yr ago.

Barry Krause

Sudbury Copper Cliff

Bruce Bell.

Kofa Inn

consultant G.P.  
Denver.

669-2101 15th. Mar.

John staying in Parker.

8/16/89 Walt called Joy Moseley  
(303) 425-1230 | 1989 Annual Labor.  
<sup>our</sup> letters of Feb 89, she said  
Reno office was supposed to attend  
to matter & that she would follow  
up on it.

W.

Am Gu & Nickel

3/6/89

1070  
Storage

John Lukens called.

old road.

---

Dan Lout

Magma Chem.

893-1434

Herb Shearer.

Sky Fork Resources.

May Call about

S.E. Claims

Feb. 9, 1989

Dear Walt,

Did it get cold in Tucson, too?

It's been quite a winter here -  
more (much more) snow since I got  
back from Arizona + low temps.

I got <sup>my</sup> notice of termination from  
INCO last weekend. It sounded  
to me as if they had no intention of  
coming up with any more \$ for us,  
even though they may have been within  
one month of the anniversary date  
of the agreement when they cancelled  
out. Could they have overlooked/  
forgotten about this clause??  
Do you have any thoughts on this?

I certainly enjoyed seeing you & Glen again, and having a chance for a brief visit with Jim. Thanks for your hospitality, Walt.

I am gathering some literature on the northern Mexico / Sierra Madre Occidental region (geology, mining, etc.) in preparation for the trip Richard & I are planning for this summer. Hope to see you then.



your partner,  
Bill

P.S. Are we already covered for assessment work this year, as a result of INCO's & Cyprus' work? (or only INCO's, I guess?).





TELEX: 364412 INTR ID 894

**HEINRICHS GEOEXPLORATION COMPANY**

P. O. BOX 5964, TUCSON, ARIZONA 85703, 806 WEST GRANT ROAD, PHONE: (602) 623-0578

February 15, 1989

American Copper & Nickel Company, Inc.  
4860 Robb Street  
Wheat Ridge, CO 80033

Attn: Joy K. Moseley  
Senior Landman

Re: SE Claims  
La Paz County, AZ  
GEOEX #1425

Dear Ms. Moseley:

Receipt of your letter and attachments of 2 February 1989  
are acknowledged.

We enjoyed the association as well and regret that success did  
not prevail this time. Maybe better luck next time?

Regarding labor for the assessment year 1988-1989, I am  
enclosing copy of your filing for the 1987-1988 year with the  
second paragraph highlighted. If you would please be so kind as  
to furnish us with the similar facts of persons employed, type of work *where*  
done and approximate expenditure, since 12 o'clock noon September  
1, 1988, we would be most appreciative.

Sincerely,  
Heinrichs GEOEXploration Co.  
co-owners

Walter E. Heinrichs, Jr., President

WEH:jh  
cc: W. Hirt

AMERICAN COPPER + NICKEL CO.  
4860 ROBB ST. STE. 201  
WHEAT RIDGE CO 80033 AFFI

ARIZONA  
AFFIDAVIT OF LABOR PERFORMED  
AND IMPROVEMENTS MADE

Joy K. Moseley, being first duly sworn, deposes and says that she is a citizen of the United States and more than eighteen (18) years of age, and resides at 922 19th Street, Golden, CO 80401, County of Jefferson, State of Colorado, and is personally acquainted with the mining claims situated in the Middle Camp and Oro Fino Mining Districts, La Paz County, Arizona, the names and books and pages of recording in the office of the County Recorder of La Paz County, Arizona and the Bureau of Land Management serial numbers of the Notices of Location are listed in detail on the attached ACNC Claim Summary. The names of the claims are as follows:

## SE Claims #1-#42

That between 12 o'clock noon September 1, 1987, and 12 o'clock noon September 1, 1988, at least \$23,420.00 worth of work and improvements were done and performed for the benefit of each of the aforementioned claims. Such work and improvements were made by and at the expense of American Copper & Nickel Company, Inc. owner(s) of said claims, whose address is 4860 Robb Street, Suite 201, Wheat Ridge, Colorado 80033, for the purpose of complying with the laws of the United States pertaining to assessment of annual work and John Lukens and Peter Thurston were the persons employed by said owner(s) and who labored upon said claims, did said work and improvements, the same being as follows, to wit: nine RCR holes totaling 2,752 feet were drilled on SE #14, #17, #18, #103, #105, #107 and #108 performed by Young Exploration whose mailing address is P.O. Box 74, Round Mountain, NV 89045.

Said labor was performed and improvements made for the benefit of each and all of said mining claims comprising said contiguous groups as part of a general plan of exploration, improvement and development, and they tend to explore, improve and develop each and all of said mining claims. The amount expended for and the value of said labor and improvements is more than One Hundred Dollars (\$100.00) for each of the mining claims and at least said amount was allocated to each of the mining claims. Said expenditure was made in good faith for the purpose of exploring, improving and developing said contiguous groups of mining claims, and was intended as annual labor and improvements for each and all of the above-described unpatented mining claims for the assessment year ending at 12:00 o'clock noon, Gila and Salt River Meridian, September 1, 1988.

Ray K. Mosely

Agent for: American Copper & Nickel Company, Inc.

STATE OF COLORADO )  
County of Jefferson . ) ss.

The foregoing instrument was acknowledged before me this 10<sup>th</sup> day of October, 1988,  
by JOY K. MOSELEY.

RECEIVED  
B.L.M. AZ STATE OFFICE

NOV 14 1988

7:45 A.M.  
PHOENIX, ARIZONA

AMERICAN COPPER & NICKEL COMPANY, INC.

USA Regional Headquarters  
4860 Robb Street  
Wheat Ridge, Colorado 80033  
303-425-1230

*Recd: 2/3/89  
WZ/W.*

February 2, 1989

Mr. Walter E. Heinrichs  
Heinrichs GEOEXploration Company  
810 West Grant Road  
Tucson, Arizona 85705

Dear Mr. Heinrichs,

American Copper & Nickel Company, Inc. hereby terminates and surrenders all right, title and interest in that certain property known as the Stray Elephant Property and more particularly described in Exhibit A.

A recordable Quit Claim Deed is attached as required by the Agreement. Data on the property will be sent to you immediately.

We have enjoyed our association with you and regret that the property has not met with its anticipated success.

Sincerely,

AMERICAN COPPER & NICKEL COMPANY, INC.

*Joy K. Moseley*

Joy K. Moseley  
Senior Landman

JKM/mas

xc: M. Lahr  
All Signatories of Record  
File

## QUIT CLAIM DEED

THIS DEED, made this 2nd day of February, 1989 between **American Copper & Nickel Company, Inc.**, a Minnesota Corporation, with offices at 4860 Robb Street, Wheat Ridge, Colorado 80033 (hereinafter referred to as "GRANTOR") and Walter E. Heinrichs, president of **Heinrichs GEOEXploration Company**, 810 West Grand Road, Tucson, Arizona 85705; **William C. Hirt**, a single man, 639 South 500 East, Salt Lake City, Utah 84102; **James D. and Margaret R. Loghry**, husband and wife, 212 East Monte Vista Drive, Tucson, Arizona 85719; **Richard J. and Vicki J. Lundin**, husband and wife, 372 Hackberry Circle, Prescott, Arizona 86303 (hereinafter referred to as "GRANTEE" whether one or more);


### W I N E S S E T H:

THAT GRANTOR for and in consideration of the sum of TEN DOLLARS (\$10.00) paid to the GRANTOR by the GRANTEE and for other good and valuable consideration, the receipt of which is hereby acknowledged, does hereby remise, release, sell, convey and QUIT CLAIM unto the GRANTEE, its successors and assigns forever, all of the GRANTOR's right, title, interest, claim and demand whatsoever which the GRANTOR has in those certain unpatented lode mining claims located in La Paz County, Arizona, known as the SE Claims and more particularly described in Exhibit A attached hereto.

TO HAVE AND TO HOLD the same, together with all and singular the appurtenances and privileges thereunto belonging, or is any wise appertaining, and all estate, right, title, interest and claim whatsoever of the said GRANTOR, either in law or equity, to the proper use or benefit of the GRANTEE, its successors and assigns.

These claims shall be subject to that certain Exploration Right with Option to Lease dated February 5, 1988 between American Copper & Nickel Company, Inc. and Heinrichs GEOEXploration Company, William C. Hirt, James D. and Margaret R. Loghry, Richard J. and Vicki J. Lundin, both GRANTOR and GRANTEE holding in their possession copies of the same.

IN WITNESS WHEREOF, the GRANTOR has caused its corporate name to be hereunto subscribed by its President the day and year first above written.

  
R.T. Agar - President  
Director of Exploration - USA

STATE OF COLORADO)

COUNTY OF JEFFERSON)

On this 2nd day of February 1989, personally appeared before me **R.T. Agar**, who being sworn, stated that he is the President-Director of Exploration USA of the above corporation and that this instrument was voluntarily signed and sealed on behalf of the corporation by authority of its Board of Directors.

  
Joy K. Moseley  
Notary Public for the State of Colorado

My commission expires: \_\_\_\_\_

MY COMMISSION EXPIRES MAY 24, 1992  
4860 ROBB STREET, SUITE 201  
WHEAT RIDGE, CO 80033



## EXHIBIT A

42 SE CLAIMS

LA PAZ COUNTY, ARIZONA

CLAIM NAME	CLAIM NO.	BLM SERIAL # A MC	LA PAZ CTY BOOK\PAGE	LOCATION DATE
SE	1	105414	1168 643-644	04/05/80
SE	2	105415	1168 645-646	04/05/80
SE	3	105416	1168 647-648	04/06/80
SE	4	105417	1168 649-650	04/06/80
SE	5	105418	1168 651-652	04/05/80
SE	6	105419	1168 653-654	04/05/80
SE	7	105420	1168 655-656	04/06/80
SE	8	105421	1168 657-658	04/06/80
SE	9	105422	1168 659-660	04/06/80
SE	10	105423	1168 661-662	04/06/80
SE	11	105424	1168 663-664	04/06/80
SE	12	105425	1168 665-666	04/05/80
SE	13	105426	1168 667-668	04/05/80
SE	14	105427	1168 669-670	04/06/80
SE	15	105428	1168 671-672	04/06/80
SE	16	105429	1168 673-674	04/05/80
SE	17	105430	1168 675-676	04/05/80
SE	18	105431	1168 677-678	04/05/80
SE	19	105432	1168 679-680	04/05/80
SE	20	105433	1168 681-682	04/06/80
SE	21	105434	1168 683-684	04/06/80
SE	22	105435	1168 685-686	04/06/80
SE	101	186704	1303 731-732	09/28/82
SE	102	186705	1303 733-734	09/28/82
SE	103	186706	1303 735-736	09/28/82
SE	104	186707	1303 737-738	09/28/82
SE	105	186708	1303 739-740	09/28/82
SE	106	186709	1303 741-742	09/28/82
SE	107	186710	1303 743-744	09/28/82
SE	108	186711	1303 745-746	09/28/82
SE	109	186712	1303 747-748	09/29/82
SE	110	186713	1303 749-450	09/29/82
SE	111	186714	1303 751-752	09/29/82
SE	112	186715	1303 753-754	09/29/82
SE	113	186716	1303 755-756	09/29/82
SE	114	186717	1303 757-758	09/29/82
SE	115	186718	1303 759-760	09/29/82
SE	116	186719	1303 761-762	09/29/82
SE	117	186720	1303 763-764	09/29/82
SE	118	186721	1303 765-766	09/29/82
SE	119	186722	1303 767-768	09/30/82
SE	120	186723	1303 769-770	09/30/82

AMERICAN COPPER & NICKEL COMPANY, INC.

USA Regional Headquarters  
4860 Robb Street  
Wheat Ridge, Colorado 80033  
303-425-1230

August 17, 1989

Mr. Walter Heinrichs  
HEINRICHS GEOEXploration Co.  
P.O. Box 5964  
Tucson, AZ 84703



Dear Mr. Heinrichs,

The following work was done on your Stray Elephant property which can be applied to 1989 assessment work.

Between September 1, 1988 and September 1, 1989, five RCR holes, totalling 2,460 feet were drilled on SE claims #105, #106, #107 and #113 by Major Drilling, 1655 Franklin Way, Sparks, NV. Dozer work was done by Custom Dozing, P.O. Box 1005, Puseu, AZ 85344. The work was done under the supervision of Mr. John Lukens, a professional geologist employed by American Copper & Nickel Company, Inc., lessee of the claims. The cost of the drilling and dozer work was \$23,909.00.

I have enclosed the letter sent to the BLM stating that reclamation of areas disturbed by ACNC's activities has been completed.

If you have any questions or concerns, please do not hesitate to give me a call. My telephone number is (303) 425-1230.

Sincerely,

AMERICAN COPPER & NICKEL COMPANY, INC.

*Joy K. Moseley*

Joy K. Moseley  
Senior Landman

JKM/mas

xc: J. Lukens  
T. Guinand  
File

2460  
2752  
-----  
5212

AMERICAN COPPER & NICKEL COMPANY, INC.  
Western District Office  
#24 Glen-Carran Circle  
Sparks, Nevada 89431  
702-331-7331

RECEIVED  
APR 24 1989  
AMERICAN COPPER & NICKEL CO.  
DENVER

April 20, 1989

Michael Werner  
Bureau of Land Management  
Yuma Resource Area  
3150 Winsor Avenue  
Yuma, AZ 85365

Dear Mr. Werner:

American Copper & Nickel Company, Inc. has completed operations on the SE claims, T3 & 4N R20W, La Paz County. All areas disturbed by ACNC have been reclaimed and are ready for inspection by BLM personnel.

If you have any questions or comments, please feel free to contact me.

Sincerely,

AMERICAN COPPER & NICKEL COMPANY, INC.

John H. Lukens  
Senior Geologist

*John H. Lukens*

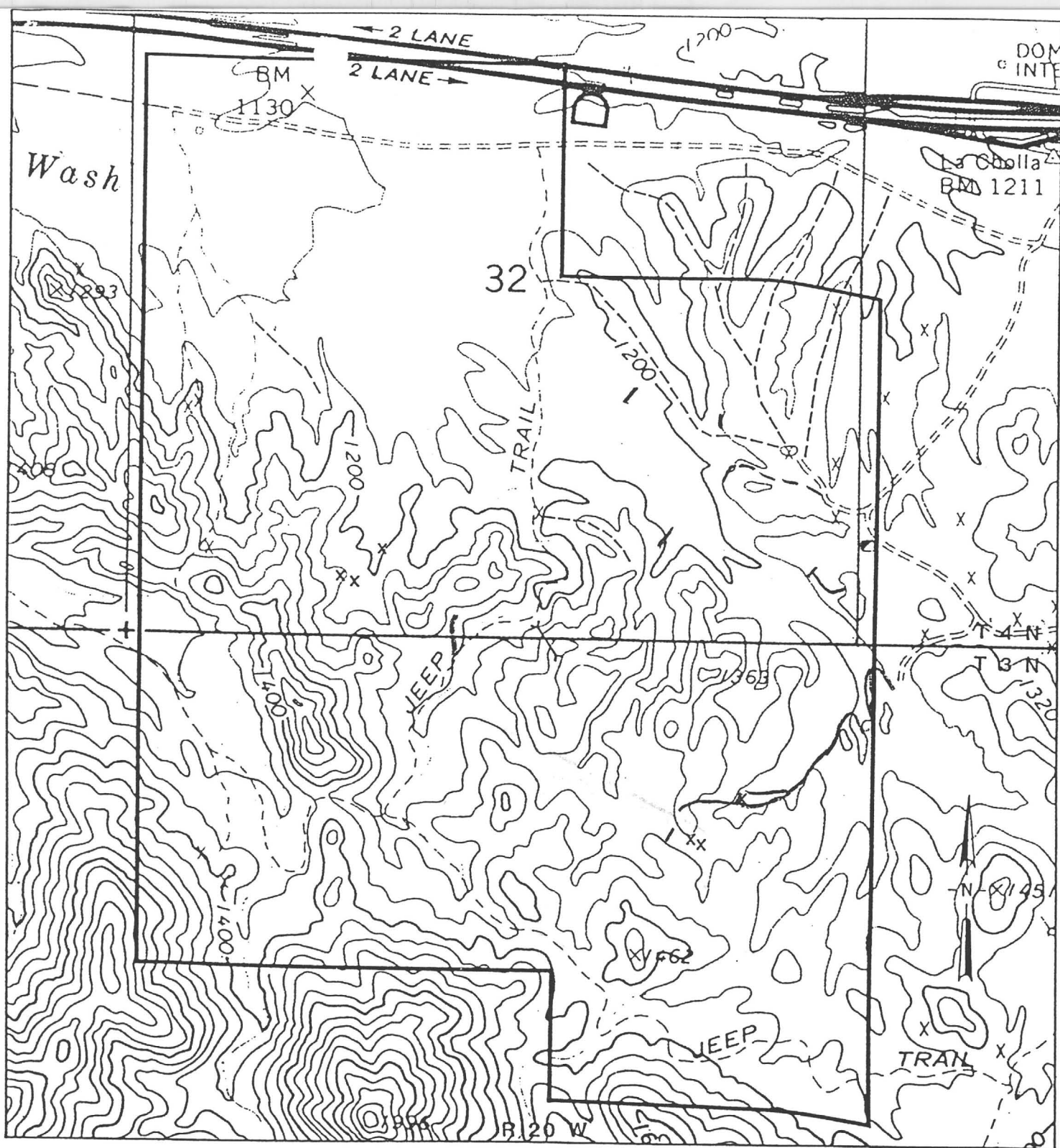
JHL/klwr

xc: Mel Lahr, Manager, Western District  
Joy Moseley, Sr. Landman

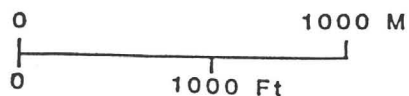
Encl.







- ☐ Pre ACNC
- ☒ ACNC 1988
- ☒ ACNC 1989
- ☐ AREAS RECLAIMED



## SURFACE DISTURBANCE MAP

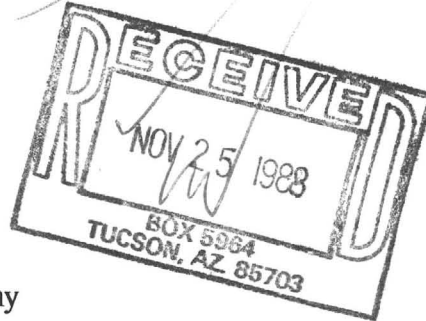
### SE CLAIMS

La Paz County, Arizona

American Copper & Nickel Company, Inc.

AMERICAN COPPER & NICKEL COMPANY, INC.

USA Regional Headquarters  
4860 Robb Street  
Wheat Ridge, Colorado 80033  
303-425-1230



November 22, 1988

Heinrichs GEOEXploration Company  
P.O. Box 5964  
Tucson, AZ 85703-0964

Dear Sirs,

Attached herewith please find a copy of the Annual Assessment Work (Proof of Labor) form for the SE Group of lode mining claims.

This form has been filed with the La Paz County Courthouse and the Arizona Bureau of Land Management.

If you have any questions or comments regarding this assessment work, please do not hesitate to call. Our telephone number is (303) 425-1230.

Sincerely,

AMERICAN COPPER & NICKEL COMPANY, INC.

*Mary Ann Snyder*

Mary Ann Snyder  
Property Clerk

mas

xc: File

RECORDED  
REQUIRE

When Recorded  
Mail to:

88-5875

AMERICAN COPPER + NICKEL Co.  
4860 ROBB ST. STE. 201  
WHEAT RIDGE CO  
80033

ARIZONA  
AFFIDAVIT OF LABOR PERFORMED  
AND IMPROVEMENTS MADE

Joy K. Moseley, being first duly sworn, deposes and says that she is a citizen of the United States and more than eighteen (18) years of age, and resides at 922 19th Street, Golden, CO 80401, County of Jefferson, State of Colorado, and is personally acquainted with the mining claims situated in the Middle Camp and Oro Fino Mining Districts, La Paz County, Arizona, the names and books and pages of recording in the office of the County Recorder of La Paz County, Arizona and the Bureau of Land Management serial numbers of the Notices of Location are listed in detail on the attached ACNC Claim Summary. The names of the claims are as follows:

SE Claims #1-#42

That between 12 o'clock noon September 1, 1987, and 12 o'clock noon September 1, 1988, at least \$23,420.00 worth of work and improvements were done and performed for the benefit of each of the aforementioned claims. Such work and improvements were made by and at the expense of American Copper & Nickel Company, Inc. owner(s) of said claims, whose address is 4860 Robb Street, Suite 201, Wheat Ridge, Colorado 80033, for the purpose of complying with the laws of the United States pertaining to assessment of annual work and John Lukens and Peter Thurston were the persons employed by said owner(s) and who labored upon said claims, did said work and improvements, the same being as follows, to wit: nine RCR holes totaling 2,752 feet were drilled on SE #14, #17, #18, #103, #105, #107 and #108 performed by Young Exploration whose mailing address is P.O. Box 74, Round Mountain, NV 89045.

Said labor was performed and improvements made for the benefit of each and all of said mining claims comprising said contiguous groups as part of a general plan of exploration, improvement and development, and they tend to explore, improve and develop each and all of said mining claims. The amount expended for and the value of said labor and improvements is more than One Hundred Dollars (\$100.00) for each of the mining claims and at least said amount was allocated to each of the mining claims. Said expenditure was made in good faith for the purpose of exploring, improving and developing said contiguous groups of mining claims, and was intended as annual labor and improvements for each and all of the above-described unpatented mining claims for the assessment year ending at 12:00 o'clock noon, Gila and Salt River Meridian, September 1, 1988.

RECEIVED  
B.L.M. AZ STATE OFFICE

NOV 14 1988

7:45 A.M.  
PHOENIX, ARIZONA

Joy K. Moseley

Agent for: American Copper & Nickel Company, Inc.

STATE OF COLORADO )  
County of Jefferson ) ss.

The foregoing instrument was acknowledged before me this 12 day of October, 1988, by JOY K. MOSELEY.

Mary Ann Snyder  
Notary Public  
SEAL

My Commission Expires:  
MY COMMISSION EXPIRES APRIL 20, 1992  
4860 ROBB ST. #201  
WHEAT RIDGE, CO 80033



RECORDED IN OFFICIAL RECORDS  
OF LA PAZ COUNTY, ARIZONA  
OCT 21 '88 - 11 30 AM  
EK  
Lois K. Hesse, COUNTY RECORDER

RF	5
CO. SUR	4
ST. SUR	5
P+H	54 SE
TOTAL FEE	14
1 - OF 3 PAGES	

## ACNC CLAIMS SUMMARY

42 SE CLAIMS

LA PAZ COUNTY, ARIZONA

OWNER: ACNC

CLAIM NAME	CLAIM NO.	BLM SERIAL # A MC	LA PAZ CTY BOOK/PAGE	LOCATION DATE	LOCATION 1\4 S \ T \ R
SE	1	105414	1168 643-644	04/05/80	NW 32\04N\20W
SE	2	105415	1168 645-646	04/05/80	NW 32\04N\20W
SE	3	105416	1168 647-648	04/06/80	NW 32\04N\20W SW 32\04N\20W
SE	4	105417	1168 649-650	04/06/80	SW 32\04N\20W
SE	5	105418	1168 651-652	04/05/80	SW 32\04N\20W
SE	6	105419	1168 653-654	04/05/80	SW 32\04N\20W
SE	7	105420	1168 655-656	04/06/80	SW 32\04N\20W
SE	8	105421	1168 657-658	04/06/80	NW 05\03N\20W
SE	9	105422	1168 659-660	04/06/80	NW 05\03N\20W
SE	10	105423	1168 661-662	04/06/80	NW 05\03N\20W
SE	11	105424	1168 663-664	04/06/80	NW 05\03N\20W SW 05\03N\20W
SE	12	105425	1168 665-666	04/05/80	NE 32\04N\20W NW 32\04N\20W
SE	13	105426	1168 667-668	04/05/80	NE 32\04N\20W NW 32\04N\20W
SE	14	105427	1168 669-670	04/06/80	NE 32\04N\20W NW 32\04N\20W SW 32\04N\20W SE 32\04N\20W
SE	15	105428	1168 671-672	04/06/80	SW 32\04N\20W SE 32\04N\20W
SE	16	105429	1168 673-674	04/05/80	SW 32\04N\20W SE 32\04N\20W
SE	17	105430	1168 675-676	04/05/80	SW 32\04N\20W SE 32\04N\20W
SE	18	105431	1168 677-678	04/05/80	SW 32\04N\20W SE 32\04N\20W
SE	19	105432	1168 679-680	04/05/80	NE 05\03N\20W NW 05\03N\20W
SE	20	105433	1168 681-682	04/06/80	NE 05\03N\20W NW 05\03N\20W
SE	21	105434	1168 683-684	04/06/80	NE 05\03N\20W NW 05\03N\20W
SE	22	105435	1168 685-686	04/06/80	NE 05\03N\20W NW 05\03N\20W SW 05\03N\20W SE 05\03N\20W
SE	101	186704	1303 731-732	09/28/82	NE 32\04N\20W SE 32\04N\20W
SE	102	186705	1303 733-734	09/28/82	NE 32\04N\20W NW 33\04N\20W SW 33\04N\20W SE 32\04N\20W
SE	103	186706	1303 735-736	09/28/82	SE 32\04N\20W
SE	104	186707	1303 737-738	09/28/82	SW 33\04N\20W SE 32\04N\20W

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B.L.M. AZ STATE OFFICE

NOV 14 1988

7:45 A.M.  
PHOENIX, ARIZONA

## ACNC CLAIMS SUMMARY

42 SE CLAIMS

LA PAZ COUNTY, ARIZONA

OWNER: ACNC

CLAIM NAME	CLAIM NO.	BLM SERIAL # A MC	LA PAZ CTY BOOK\PAGE	LOCATION DATE	LOCATION 1\4 5 \ 7 \ R
SE	105	186708	1303 739-740	09/28/82	SE 32\04N\20W
SE	106	186709	1303 741-742	09/28/82	SW 33\04N\20W
					SE 32\04N\20W
SE	107	186710	1303 743-744	09/28/82	SE 32\04N\20W
SE	108	186711	1303 745-746	09/28/82	SW 33\04N\20W
					SE 32\04N\20W
SE	109	186712	1303 747-748	09/29/82	NE 05\03N\20W
					SE 32\04N\20W
SE	110	186713	1303 749-450	09/29/82	NE 05\03N\20W
					NW 04\03N\20W
					SW 33\04N\20W
					SE 32\04N\20W
SE	111	186714	1303 751-752	09/29/82	NE 05\03N\20W
SE	112	186715	1303 753-754	09/29/82	NE 05\03N\20W
					NW 04\03N\20W
SE	113	186716	1303 755-756	09/29/82	NE 05\03N\20W
SE	114	186717	1303 757-758	09/29/82	NE 05\03N\20W
					NW 04\03N\20W
SE	115	186718	1303 759-760	09/29/82	NE 05\03N\20W
SE	116	186719	1303 761-762	09/29/82	NE 05\03N\20W
					NW 04\03N\20W
					SW 04\03N\20W
					SE 05\03N\20W
SE	117	186720	1303 763-764	09/29/82	SE 05\03N\20W
SE	118	186721	1303 765-766	09/29/82	SW 04\03N\20W
					SE 05\03N\20W
SE	119	186722	1303 767-768	09/30/82	SE 05\03N\20W
SE	120	186723	1303 769-770	09/30/82	SW 04\03N\20W
					SE 05\03N\20W

RECEIVED  
B.L.M. AZ STATE OFFICE

NOV 14 1988

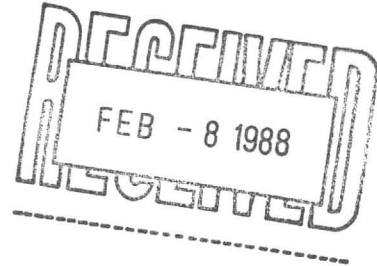
7:45 A.M.  
PHOENIX, ARIZONA





AMERICAN COPPER & NICKEL COMPANY, INC.

USA Regional Headquarters  
4860 Robb Street  
Wheat Ridge, Colorado 80033  
303-425-1230



February 5, 1988

Mr. Walter E. Heinrichs  
Heinrichs GEOEXploration Company  
810 West Grant Road  
Tucson, Arizona 85705

Dear Mr. Heinrichs,

Enclosed please find an original Exploration Right With Option To Lease with attached Short Form and a Mining Lease for the "Stray Elephant Property" located in La Paz County, Arizona. Please execute and notarize the Option to Lease and the Short Form and return the entire packet to our office. Upon receipt from all parties of the executed counterparts of these agreements, a check in the amount of \$12,000.00 will be promptly sent to Heinrichs GEOEXploration Company for distribution to each of the Stray Elephant partners as provided in paragraph 9 of the agreement.

We look forward to a long and prosperous relationship with you and if I can be of any further assistance, please do not hesitate to call me. My telephone number is (303) 425-1230.

Sincerely,

AMERICAN COPPER & NICKEL COMPANY, INC.

*Joy K. Moseley*  
Joy K. Moseley  
Senior Landman

JKM/mas

xc: File

EXPLORATION RIGHT WITH OPTION TO LEASE  
(Unpatented Claims)

This Agreement, effective as of the 5th day of February, 1988, is between

Heinrichs GEOEXploration Company,  
an Arizona corporation  
810 West Grant Road  
Tucson, Arizona 85705

William C. Hirt,  
a single man  
639 South 500 East  
Salt Lake City, Utah 84102

James D. and Margaret R. Loghry,  
husband and wife  
2121 East Monte Vista Drive  
Tucson, Arizona 85719

Richard J. and Vicki J. Lundin,  
husband and wife  
372 Hackberry Circle  
Prescott, Arizona 86303

(Collectively, the "Owner")

AND

American Copper & Nickel Company, Inc.,  
a Minnesota corporation  
4860 Robb Street, Suite 201  
Wheat Ridge, Colorado 80033

("ACNC")

Recitals

Owner represents that it is the owner of and is in possession of forty two (42) unpatented mining claims in La Paz County, Arizona known as the "Stray Elephant Property" (the "Property"), more particularly described in Exhibit A attached hereto and incorporated by reference herein.

Owner has record title to the Property as stated above and in paragraph 6, entitled "Undivided Interest", and Owner has equitable title to the Property in an informal partnership known as "Stray Elephant Partners."



ACNC desires to obtain and Owner is willing to grant an exclusive exploration right containing an exclusive option to lease the Property.

NOW THEREFORE, in consideration of a total of Twelve Thousand Dollars (\$12,000.00) in hand paid to Owner, the receipt and sufficiency of which are hereby acknowledged, and further in consideration of the mutual covenants, agreements, and promises herein contained, the parties hereto agree as follows:

1. Exploration Right. Owner grants to ACNC the sole and exclusive right to explore, sample, and test the Property.

2. Additional Property. (a) Except for a block of thirty six (36) unpatented mining claims to be leased to Cyprus Metals Company (SE #23-52 and 57-62), Owner represents that it has no interest in any mining property, water rights, or fee lands (except the Property) within one (1) mile from the boundaries of the Property described in Exhibit A. If it appears that Owner has any such interest, the interest shall, at ACNC's option, be deemed a part of the Property for the purposes of this Agreement.

(b) If during the term of this Agreement, Owner locates or otherwise acquires an interest in any mining property, water rights, or fee lands within the area described in the foregoing subparagraph (a), the interest shall, at ACNC's option, be deemed a part of the Property for the purposes of this Agreement. This option shall not apply to properties or rights acquired by Owner through the party or parties leasing the SE #23-52 and 57-62 unpatented mining claims.

3. Term. The term of this Agreement shall be five (5) years from the date hereof, unless sooner surrendered or otherwise terminated, or until the earlier exercise of the option granted by paragraph 18, entitled "Option to Lease."

4. Exclusive Possession. ACNC shall have the exclusive possession of the Property during the term of this Agreement.

5. Title. (a) Owner warrants that it is in possession of the Property, that it has the right to enter into this Agreement, that it knows of no other person claiming any interest in the Property or the ground covered thereby, and that the Property is free from all liens and encumbrances, except liens for property taxes not yet due and payable. Owner further warrants to ACNC the quiet enjoyment of the Property and the right to explore, develop, and mine the same.

(b) Owner represents that when this Agreement has been executed by all five of the individuals and the corporation collectively referred to as "Owner," this Agreement is binding on the "Stray Elephant Partners" and no further approval of any other party is required.

(c) Owner warrants that the unpatented mining claims included in the Property have been properly located, and that for each assessment year assessment work has been performed (or other steps taken in accordance with the law) for the benefit of the claims. Owner warrants and will defend title to the Property against all persons whomsoever.

(d) Owner shall provide ACNC with recording data with respect to location notices and certificates, affidavits of annual labor, deeds, easements, or other documents which bear upon Owner's title to the Property, and shall provide ACNC with copies of all such documents and all title reports and abstracts in Owner's possession or control. Owner shall, upon ACNC's request, record any such document in Owner's possession or control which has not been recorded.

(e) At ACNC's request, Owner shall take all action necessary (including judicial proceedings) to remove any cloud from or cure any defect in his title to the Property or the ground covered thereby. If Owner fails or refuses to take any such action, ACNC may take any such action in Owner's name. Owner agrees to cooperate with ACNC in any such action taken. ACNC may recover from Owner or from any payments thereafter to become due to Owner hereunder all costs and expenses (including attorneys' fees) incurred by ACNC in any such action. If the United States or any third person attacks the validity of any unpatented mining claim included in the Property for any reason except ACNC's failure to comply with its obligation to perform assessment work pursuant to this Agreement, ACNC shall have no obligation to defend the validity of the claim.

6. Undivided Interest. (a) The Property is owned by the following parties as tenants in common:

Heinrichs GEOEXploration Company,  
undivided 25%;

William C. Hirt,  
undivided 25%;

James D. and Margaret R. Loghry,  
undivided 25%; and

Richard J. and Vicki J. Lundin,  
undivided 25%.

(b) If the interest claimed by Owner in any portion of the Property is less than one hundred percent (100%), the interest claimed by Owner is set forth in Exhibit A. Any representation or warranty of title made by Owner shall apply only to the interest set forth in Exhibit A.

7. Option Payments. ACNC shall pay to Owner option payments on the dates and in the amounts as follows:

\$16,000 on the first anniversary of this Agreement  
\$20,000 on the second anniversary of this Agreement  
\$24,000 on the third anniversary of this Agreement  
\$28,000 on the fourth anniversary of this Agreement

These payments shall be in lieu of any obligation on the part of ACNC, express or implied, to explore the Property or perform any work thereon, except assessment work and ACNC's work commitment.

8. Work Commitment in Lieu of Implied Covenants. ACNC agrees to a minimum commitment of Fifty Thousand Dollars (\$50,000.00) in the first year of the Agreement and in each subsequent year during the term of this Agreement. All expenditures made on or for the benefit of the Property shall count toward such minimum work commitment, and expenditures in excess of the minimum amount may be credited against such minimum work commitment in subsequent years. Such work commitment is in lieu of all implied covenants, and there are no covenants or conditions relating to the exploration, development, mining, or related operations on or in connection with the Property, or the timing thereof, other than those expressly provided in this Agreement, and none shall be implied. After commencing any mining or related operations on or in connection with the Property, ACNC may in its sole discretion curtail or cease such operations so long as it continues to make any payments due Owner under this Agreement.

9. Payments. All payments made to Owner shall be made to the parties identified in paragraph 6, entitled "Undivided Interest," in proportion to the parties' undivided interest in the Property. ACNC shall make all payments due Owner hereunder by check, which shall be transmitted to Heinrichs GEOEXploration Company at its address for notice. Upon making such payments, ACNC shall be deemed to have made the payments to Owner, its heirs, representatives, successors, and assigns, and thereupon ACNC shall be discharged to the extent thereof as if the payments had been made directly to each individual Owner, or to any person, firm or corporation entitled thereto, and ACNC shall

not be liable for the ultimate distribution or receipt of any payment or payments.

10. Operations. (a) During the term of this Agreement, ACNC shall have free and unrestricted access to the Property, and shall have the exclusive right (i) to explore, sample, and test the Property, (ii) to erect, construct, use, and maintain on the Property such roads, buildings, structures, machinery, equipment, personal property, fixtures, and improvements as may be required for the conduct of its exploration and related operations, and (iii) to extract and remove from the Property, without royalty or other compensation to Owner, such ore as may be mined in the normal course of exploration operations and such ore as ACNC may require for bulk sampling and testing. ACNC shall not conduct commercial mining operations on the Property or sell any ores, minerals, concentrates, or other products from the Property prior to exercising the option granted by paragraph 18, entitled "Option to Lease."

(b) ACNC shall conduct all of its operations on the Property in good and workmanlike manner and in accordance with accepted mining practice.

(c) All decisions with respect to exploration of the Property, including all decisions regarding the commencement, supervision, resumption or termination of any operation, shall be made by ACNC in its sole discretion. There are no covenants or agreements regarding this matter other than those expressly set forth herein.

(d) ACNC shall comply with all laws and regulations governing its operations on the Property. If this Agreement is inconsistent with or contrary to any law or regulation, the law or regulation shall control and this Agreement shall be deemed to be modified accordingly.

11. No Implied Covenants. There are no implied covenants or conditions whatsoever in this Agreement relating to the evaluation of the Property, or the time thereof except as expressly provided in this Agreement.

12. Protection from Liens and Damages. ACNC shall keep the Property free of liens for labor performed or materials or merchandise furnished for use on the Property under this Agreement, and shall hold Owner harmless from all costs, loss, or damage which may result from any work or operations of ACNC or its occupancy of the Property.

13. Taxes. Owner shall pay all taxes levied against the Property prior to the date of this Agreement. ACNC shall pay or

reimburse Owner for all taxes levied against the Property during the term of this Agreement. In the case of taxes for the calendar year in which this Agreement commences, and for the calendar year in which this Agreement ends, there shall be an apportionment between the parties, ACNC to bear the proportion of taxes upon the Property applicable to the part of the calendar year included hereunder, and Owner to bear the balance of the taxes. ACNC shall pay all taxes levied during the term of this Agreement against all buildings, structures, machinery, equipment, personal property, fixtures, and improvements placed upon the Property by ACNC, and all taxes levied against ACNC as an employer of labor. All taxes shall be paid when due and before delinquent, but ACNC shall be under no obligation to pay any tax so long as the tax is being contested in good faith and by appropriate legal proceedings and the nonpayment thereof does not adversely affect any right, title, or interest of Owner in or to the Property.

14. Insurance. ACNC shall carry at all times during the term of this Agreement worker's compensation and other insurance required by state laws and mining regulations.

15. Inspection. (a) Owner or its authorized representative may enter on the Property at any reasonable time for the purpose of inspection, but shall enter at Owner's own risk and so as not to hinder unreasonably the operations of ACNC. Owner shall indemnify and hold ACNC harmless from any damage, claim, or demand by reason of injury to or the presence of Owner, his agents or representatives on the Property.

(b) Owner or its authorized representative may, at any reasonable time, inspect any records pertinent and necessary for substantiating the compliance of ACNC with the provisions of this Agreement.

16. Data. (a) Upon the execution of this Agreement, Owner shall deliver to ACNC all drill core, all geological, geophysical, and engineering data and maps, logs of drill holes, results of assaying and sampling, and similar data concerning the Property (or copies thereof) which are in Owner's possession or control.

(b) Upon the surrender or other termination of this Agreement (except by exercise of the option to purchase and payment of the full purchase price as provided in paragraph 18, entitled "Option to Lease"), ACNC shall, within sixty (60) days after termination, (i) return to Owner all drill core and original data delivered by Owner to ACNC which are then in ACNC's possession or control, and (ii) make available for inspection by Owner all factual geological and geophysical data and maps (not



including interpretive data), logs of drill holes, drill core and results of assaying and sampling pertaining to the Property which ACNC has obtained as a result of its exploration work under this Agreement and which are then in ACNC's possession or control. Upon Owner's request made within sixty (60) days after termination of this Agreement, ACNC shall, at Owner's expense, provide Owner with the drill core designated by Owner and with copies of any portion of the factual geological and geophysical data and maps (not including interpretive data), logs of drill holes, and results of assaying and sampling designated by Owner. ACNC makes no representation or warranty as to the accuracy or completeness of any such data or information, and shall not be liable on account of any use by Owner or any other person of any such data or information. ACNC shall not be liable for the loss or destruction of any drill core.

17. Confidentiality. All information obtained by Owner or its authorized representatives from ACNC arising out of ACNC's activities on the Property pursuant to this Agreement shall be kept strictly confidential by Owner and shall not be released to any third party except upon the prior written consent of ACNC.

18. Option to Lease. Owner grants to ACNC during the term of this Agreement the sole and exclusive option to lease the Property, together with all appurtenances and water rights incident thereto and all improvements and personal property thereon, free and clear of all liens and encumbrances, by delivering to Owner an advance royalty payment of Sixty Thousand Dollars (\$60,000.00). If ACNC exercises its option to lease, Owner agrees to execute and deliver to ACNC the Mining Lease With Option To Purchase attached hereto as Exhibit "B" within thirty (30) days after ACNC gives notice that it elects to exercise the option to lease.

19. Escrow. Any time after the execution of this Agreement, if requested to do so by ACNC Owner shall execute, acknowledge, and deliver to an escrow agent selected by ACNC (the Escrow Agent) the Mining Lease With Option To Purchase attached hereto as Exhibit "B." Owner agrees the escrow agent shall hold the lease and deliver it to ACNC when entitled hereunder to receive the same. The parties hereto agree to execute escrow instructions reasonably requested by Escrow Agent.

20. Termination and Surrender. (a) If ACNC fails to comply with any of the provisions of this Agreement and if ACNC does not initiate and diligently pursue steps to correct the default within thirty (30) days after notice has been given to it by Owner specifying with particularity the nature of the default, then upon the expiration of the thirty-day period, all

rights of ACNC under this Agreement (except as provided in paragraphs 21 and 22, entitled "Removal of Property" and "Access") shall terminate, and all liabilities and obligations of ACNC (except liabilities existing on the date of termination, and except as provided in paragraph 16, entitled "Data") shall terminate. Any default claimed with respect to the payment of money may be cured by the deposit in escrow of the amount in controversy (not including claimed consequential, special, exemplary, or punitive damages) and giving of notice of the deposit to Owner, the amount to remain in escrow until the controversy is resolved by decision of a court or otherwise. If ACNC by notice to Owner disputes the existence of a default, then this Agreement shall not terminate hereunder unless ACNC does not initiate and diligently pursue steps to correct the default within thirty (30) days after the existence of a default has been determined by decision of a court or otherwise.

(b) Subject to the right of Owner to terminate this Agreement as provided in the foregoing subparagraph (a), controversy between the parties hereto shall not interrupt performance of this Agreement or the continuation of operations hereunder. In the event of any controversy, ACNC may continue operations hereunder and shall make the payments provided for herein notwithstanding the existence of the controversy. Upon the resolution of the controversy, such payments or restitutions shall be made as required by the terms of the decision of the court or otherwise.

(c) ACNC may at any time terminate this Agreement as to all or any part of the Property by delivering to Owner or by filing for record in the appropriate office (with a copy to Owner) a good and sufficient Surrender of this Agreement or a Partial Surrender describing that portion of the Property as to which this Agreement is surrendered. Upon mailing the Surrender or Partial Surrender to Owner or to the appropriate office, all rights of ACNC under this Agreement with respect to the portion of the Property as to which this Agreement is terminated (except as provided in paragraphs 21 and 22, entitled "Removal of Property" and "Access") shall terminate and all liabilities and obligations of ACNC with respect to the portion of the Property as to which this Agreement is terminated (except liabilities existing on the date of termination, and except as provided in paragraph 16, entitled "Data") shall terminate.

21. Removal of Property. For a period of six (6) months after the termination of this Agreement ACNC shall have the right (but not the obligation) to remove from the Property all buildings, structures, machinery, equipment, personal property, fixtures, and improvements owned by ACNC or erected or placed on or in the Property by ACNC, except mine timbers in place. ACNC

may keep one or more watchmen on the Property during the six-month period.

22. Access. For as long as necessary after termination of this Agreement, ACNC shall have the right of access to and across the Property for reclamation purposes.

23. Easements. If requested by ACNC during the term of this Agreement, Owner, subject to any required permission or allowed restrictions of the party or parties leasing the SE #23-52 unpatented mining claims, shall execute one or more instruments granting to ACNC without cost to ACNC easements upon, over, or through the Property or upon, over, or through other property owned by Owner. Such easements shall be for the construction, maintenance, use, and removal of all facilities reasonably necessary or convenient for ACNC's operations on the Property or on other property.

24. Amendments, Relocations, and Patents. During the term of this Agreement, ACNC shall have the right (but not the obligation) to amend or relocate, in the name of Owner, any or all of the unpatented mining claims included in the Property, to locate placer claims on ground theretofore covered by lode claims and vice versa, to locate mill sites on ground theretofore covered by mining claims and vice versa, and to locate any fractions resulting from the location, amendment, or relocation of mining claims or mill sites. At the request of ACNC, Owner shall apply for a patent for any or all of the unpatented mining claims and mill sites. All expenses authorized by ACNC in connection with locating, amending, or relocating mining claims or mill sites or prosecuting patent proceedings shall be borne by ACNC. The rights of ACNC under this Agreement shall extend to all such locations, amended locations, relocations, and patented mining claims and mill sites.

25. Compliance with Federal Land Policy and Management Act. (a) Owner warrants that the location notices or location certificates for the unpatented mining claims included in the Property have been properly filed in the proper office of the Bureau of Land Management pursuant to 43 U.S.C. § 1744(b).

(b) Owner warrants that evidence of assessment work or notices of intention to hold have been properly recorded in the proper county (or recording district) office and filed in the proper office of the Bureau of Land Management pursuant to § 314(a) of the Federal Land Policy and Management Act of 1976, 43 U.S.C. § 1744(a), as required, for each assessment year to and including the assessment year ending September 1, 1987.



26. Assessment Work. (a) Owner warrants that the annual assessment work required to hold the Property has been performed for the assessment year ending September 1, 1987. ACNC shall perform the assessment work for the benefit of the Property for the assessment year ending September 1, 1988, and for every assessment year thereafter in which ACNC continues this Agreement beyond the 1st day of June of the assessment year. If any court or governmental agency decides that the work performed by ACNC does not constitute the kind of work required by federal or state law, ACNC shall nevertheless be deemed to have complied with the terms of this Agreement if the work done by ACNC is of the kind generally accepted in the mining industry as assessment work under existing law.

(b) ACNC shall be relieved of its obligation to perform assessment work for any period in which assessment work is not required or is suspended, and ACNC shall have the benefit of subsequent laws enacted which relate to assessment work, including any laws extending the time within which to perform assessment work. For each year in which ACNC performs assessment work, it will record in the office where the location notice or location certificate is recorded, and in any other proper office in the county (or recording district) in which the claims are located, and in the proper office of the Bureau of Land Management, an affidavit of assessment work or other document complying with the requirements of state law and the Federal Land Policy and Management Act of 1976 and the regulations implementing and supplementing the Act.

(c) Owner represents that the Property is one contiguous group of mining claims, and agree that work on any one or more of the claims will be for the benefit of all of the claims.

27. Notices. All notices and other communications to either party shall be in writing and shall be sufficiently given if delivered in person or sent by certified or registered mail, return receipt requested, addressed as hereinafter set forth. Any notice given by or to Heinrichs GEOExploration Company shall be notice by or to all Owners. Notices given by mail shall be deemed delivered as of the date of mailing. Until a change of address is communicated as indicated above, all notices to Owner shall be addressed:

Heinrichs GEOEXploration Company  
P. O. Box 5964  
Tucson, Arizona 85703-0964

Attention: Walter E. Heinrichs

and all notices to ACNC shall be addressed:

American Copper & Nickel Company, Inc.  
4860 Robb Street, Suite 201  
Wheat Ridge, Colorado 80033

Attention: R. T. Agar, President

28. Assignment. (a) The rights of either party hereunder may be assigned in whole or in part, subject to the provisions hereinafter set forth.

(b) No change or division in the ownership of the Property or the payments provided for herein, however accomplished, shall enlarge the obligations or diminish the rights of ACNC. Owner covenants that any change in his ownership shall be accomplished in such a manner that ACNC shall be required to make payments and to give notices to but one person, firm, or corporation, and upon breach of this covenant, ACNC may retain all monies otherwise due to Owner until the breach has been cured. No change or division in ownership shall be binding on ACNC until thirty (30) days after Owner has given ACNC a certified copy of the recorded instrument evidencing the change or division.

29. Force Majeure. (a) If ACNC shall be prevented by Force Majeure from timely performance of any of its obligations hereunder (except the payment of money to Owner), the failure of performance shall be excused and the period for performance and the term of this Agreement shall be extended for an additional period equal to the duration of the Force Majeure. Upon the occurrence and upon the termination of any Force Majeure, ACNC shall promptly notify Owner. ACNC shall use reasonable diligence to remedy a Force Majeure, but shall not be required against its better judgment to settle any labor dispute or contest the validity of any law or regulation or any action or inaction of civil or military authority.

(b) "Force Majeure" means any cause beyond ACNC's reasonable control, including law or regulation; action or inaction of civil or military authority; inability to obtain any license, permit, or other authorization that may be required to conduct operations on or in connection with the Property; unusually severe weather; mining casualty; fire; explosion; flood; insurrection; riot; labor dispute; inability after diligent effort to obtain workmen or material; delay in transportation; and acts of God.

30. Short Form. Contemporaneously herewith, ACNC and Owner have executed and delivered a Short Form of Agreement. ACNC may record the Short Form of this Agreement.

31. Inurement. All covenants, conditions, limitations, and provisions herein contained apply to and are binding upon the parties hereto, their heirs, representatives, successors, and assigns.

32. Modification. No modification, variation, or amendment of this Agreement shall be effective unless the modification, variation, or amendment is in writing and is signed by Owner and ACNC.

33. Waiver. No waiver of any breach or default under this Agreement shall be effective unless the waiver is in writing and signed by the party against whom the waiver is claimed. No waiver of any breach or default shall be deemed to be a waiver of any other or subsequent breach or default.

34. Construction. (a) The paragraph headings are for convenience only, and shall not be used in the construction of this Agreement. The term "Owner" shall be deemed to be singular or plural, and shall be deemed to be masculine or feminine, or both, or neuter, whenever the construction of this Agreement so requires.

(b) As to any provision of this Agreement, the parties do not intend that there shall be any violation of the Rule Against Perpetuities or any similar rule. If any such violation should inadvertently occur, it is the wish of the parties that the appropriate court shall reform such provision in such a way as to approximate most closely the intent of the parties within the limits permissible under the Rule Against Perpetuities or similar rule.

35. Governing Law. The formation, interpretation, and performance of this Agreement shall be governed by the law of the state of Arizona.

36. Invalidity. The invalidity of any provision of this Agreement shall not affect the enforceability of any other provision of this Agreement.

37. Counterparts. This Agreement may be executed by any number of counterparts, each of which shall be deemed to be an original. If any person named as one of the Owners does not execute this Agreement, it nevertheless shall be binding upon those persons executing it.

38. Additional Documents. Owner will provide ACNC with such additional documents as may be necessary to carry out the

purposes of this Agreement. If conditions change by reason of conveyances, assignments, or other matters relating to the title to or description of the Property, Owner and ACNC shall execute amendments of this Agreement and the Short Form of Agreement, and any other documents which may be necessary to reflect such changed conditions.

39. Entire Agreement. This Agreement sets forth the entire agreement of the parties and, except as herein expressly provided, supersedes all previous and contemporaneous agreements, representations, warranties, or understandings, written or oral.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the date first above written.

Heinrichs GEOEXploration Company

By: \_\_\_\_\_  
Walter E. Heinrichs,  
President

[SEAL]

Attest: \_\_\_\_\_  
Secretary

EIN: \_\_\_\_\_

\_\_\_\_\_  
William C. Hirt  
SSN: \_\_\_\_\_

\_\_\_\_\_  
James D. Loghry  
SSN: \_\_\_\_\_

\_\_\_\_\_  
Margaret R. Loghry  
SSN: \_\_\_\_\_

\_\_\_\_\_  
Richard J. Lundin

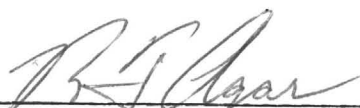
SSN: \_\_\_\_\_

\_\_\_\_\_  
Vicki J. Lundin

SSN: \_\_\_\_\_

AMERICAN COPPER & NICKEL COMPANY,  
INC.

By: \_\_\_\_\_

  
R. T. Agar, President  
Director of Exploration--USA

STATE OF \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss:

The foregoing instrument was acknowledged before me this  
\_\_\_\_ day of February, 1988, by Walter E. Heinrichs, the President  
of Heinrichs GEOEXploration Company , an Arizona corporation,  
on behalf of the corporation.

\_\_\_\_\_  
Notary Public

My Commission Expires:  
\_\_\_\_\_

[SEAL]

STATE OF \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss:

The foregoing instrument was acknowledged before me this  
\_\_\_\_ day of February, 1988, by William C. Hirt, a single man.

\_\_\_\_\_  
Notary Public

My Commission Expires:

\_\_\_\_\_  
[SEAL]

STATE OF \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss:

The foregoing instrument was acknowledged before me this  
\_\_\_\_ day of February, 1988, by James D. Loghry and Margaret R.  
Loghry, husband and wife.

\_\_\_\_\_  
Notary Public

My Commission Expires:

\_\_\_\_\_  
[SEAL]

STATE OF \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss:

The foregoing instrument was acknowledged before me this  
\_\_\_\_ day of February, 1988, by Richard J. Lundin and Vicki J.  
Lundin, husband and wife.

\_\_\_\_\_  
Notary Public

My Commission Expires:

\_\_\_\_\_  
[SEAL]

STATE OF COLORADO )  
County of Jefferson ) ss:

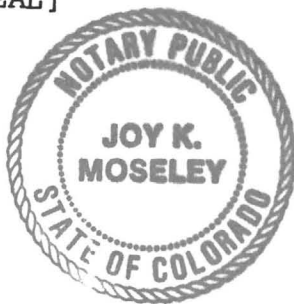
The foregoing instrument was acknowledged before me this  
5th day of February, 1988, by R. T. Agar, the President of  
American Copper & Nickel Company, Inc., a Minnesota corporation,  
on behalf of the corporation.

Joy K. Moseley  
Notary Public

My Commission Expires:

My Commission Expires May 24, 1993

[SEAL]



# EXHIBIT A

## PROPERTY

All those certain unpatented mining claims situate in Section 32, Township 4 North, Range 20 West, and Section 5, Township 3 North, Range 20 West, La Paz County, Arizona, and recorded in the county records at the book and page shown, and with the Bureau of Land Management under the serial number shown, as follows:

<u>Name of Claim</u>	<u>Book</u>	<u>Page</u>	<u>B.L.M. Serial No.</u>
SE #1	1168	643-44	AMC105414
SE #2	1168	645-46	AMC105415
SE #3	1168	647-48	AMC105416
SE #4	1168	649-50	AMC105417
SE #5	1168	651-52	AMC105418
SE #6	1168	653-54	AMC105419
SE #7	1168	655-56	AMC105420
SE #8	1168	657-58	AMC105421
SE #9	1168	659-60	AMC105422
SE #10	1168	661-62	AMC105423
SE #11	1168	663-64	AMC105424
SE #12	1168	665-66	AMC105425
SE #13	1168	667-68	AMC105426
SE #14	1168	669-70	AMC105427
SE #15	1168	671-72	AMC105428
SE #16	1168	673-74	AMC105429
SE #17	1168	675-76	AMC105430
SE #18	1168	677-78	AMC105431
SE #19	1168	679-80	AMC105432
SE #20	1168	681-82	AMC105433
SE #21	1168	683-84	AMC105434
SE #22	1168	685-86	AMC105435
SE #101	1303	729-30	AMC186704
SE #102	1303	731-32	AMC186705
SE #103	1303	733-34	AMC186706
SE #104	1303	735-36	AMC186707
SE #105	1303	737-38	AMC186708
SE #106	1303	739-40	AMC186709
SE #107	1303	741-42	AMC186710
SE #108	1303	743-44	AMC186711
SE #109	1303	745-46	AMC186712
SE #110	1303	747-48	AMC186713
SE #111	1303	749-50	AMC186714



SE #112	1303	751-52	AMC186715
SE #113	1303	753-54	AMC186716
SE #114	1303	755-56	AMC186717
SE #115	1303	757-58	AMC186718
SE #116	1303	759-60	AMC186719
SE #117	1303	761-62	AMC186720
SE #118	1303	763-64	AMC186721
SE #119	1303	765-67	AMC186722
SE #120	1303	768-70	AMC186723

Together with all extralateral rights, water rights, and appurtenances.

SHORT FORM  
OF  
EXPLORATION RIGHT WITH OPTION TO LEASE  
(Unpatented Claims)

This Agreement, effective as of the 5th day of February, 1988, is between

Heinrichs GEOEXploration Company,  
an Arizona corporation  
810 West Grant Road  
Tucson, Arizona 85705

William C. Hirt,  
a single man  
639 South 500 East  
Salt Lake City, Utah 84102

James D. and Margaret R. Loghry,  
husband and wife  
2121 East Monte Vista Drive  
Tucson, Arizona 85719

Richard J. and Vicki J. Lundin,  
husband and wife  
372 Hackberry Circle  
Prescott, Arizona 86303

(Collectively, the "Owner")

AND

American Copper & Nickel Company, Inc.,  
a Minnesota corporation  
4860 Robb Street, Suite 201  
Wheat Ridge, Colorado 80033

("ACNC")

Recitals

Owner represents that it is the owner of and is in possession of forty two (42) unpatented mining claims in La Paz County, Arizona known as the "Stray Elephant Property" (the "Property"), more particularly described in Exhibit A attached hereto and incorporated by reference herein.

ACNC desires to obtain and Owner is willing to grant an exclusive exploration right containing an exclusive option to lease and an exclusive option to purchase the Property.

NOW THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration in hand paid to Owner, the receipt and sufficiency of which are hereby acknowledged, and further in consideration of the mutual covenants, agreements, and promises herein contained, the parties hereto agree as follows:

Exploration Right. Owner grants to ACNC the sole and exclusive right to explore, sample, and test the Property.

Additional Property. (a) Except for a block of thirty six (36) unpatented mining claims which may be leased to a third party (SE #23-52 and 57-62), Owner represents that it has no interest in any mining property, water rights, or fee lands (except the Property) within one (1) mile from the boundaries of the Property described in Exhibit A. If it appears that Owner has any such interest, the interest shall, at ACNC's option, be deemed a part of the Property for the purposes of this Agreement.

(b) If during the term of this Agreement, Owner locates or otherwise acquires an interest in any mining property, water rights, or fee lands within the area described in the foregoing subparagraph (a), the interest shall, at ACNC's option, be deemed a part of the Property for the purposes of this Agreement. This option shall not apply to properties or rights acquired by Owner through the party or parties leasing the SE #23-52 and 57-62 unpatented mining claims.

Term. The term of this Agreement shall be five (5) years from the date hereof, unless sooner surrendered or otherwise terminated, or until the earlier exercise of the option.

Exclusive Possession. ACNC shall have the exclusive possession of the Property during the term of this Agreement.

Additional Terms. Additional terms and conditions of this Agreement are contained in an instrument of even date by and between the parties hereto. This Short Form shall not limit, decrease, increase, or in any manner affect any of the terms of said instrument or any rights, interests, or obligations of the parties thereunder.

Heinrichs GEOEXploration Company

By: \_\_\_\_\_  
Walter E. Heinrichs,  
President

[SEAL]

Attest: \_\_\_\_\_  
Secretary

EIN: \_\_\_\_\_

\_\_\_\_\_  
William C. Hirt  
SSN: \_\_\_\_\_

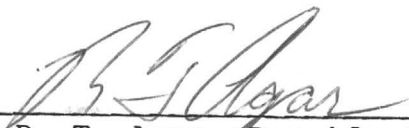
\_\_\_\_\_  
James D. Loghry  
SSN: \_\_\_\_\_

\_\_\_\_\_  
Margaret R. Loghry  
SSN: \_\_\_\_\_

\_\_\_\_\_  
Richard J. Lundin  
SSN: \_\_\_\_\_

\_\_\_\_\_  
Vicki J. Lundin  
SSN: \_\_\_\_\_

AMERICAN COPPER & NICKEL COMPANY,  
INC.

By:   
R. T. Agar, President  
Director of Exploration--USA

STATE OF \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss:

The foregoing instrument was acknowledged before me this  
\_\_\_\_ day of February, 1988, by Walter E. Heinrichs, the President  
of Heinrichs GEOEXploration Company, an Arizona corporation,  
on behalf of the corporation.

\_\_\_\_\_  
Notary Public

My Commission Expires:  
\_\_\_\_\_

[SEAL]

STATE OF \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss:

The foregoing instrument was acknowledged before me this  
\_\_\_\_ day of February, 1988, by William C. Hirt, a single man.

\_\_\_\_\_  
Notary Public

My Commission Expires:  
\_\_\_\_\_

[SEAL]

STATE OF \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss:

The foregoing instrument was acknowledged before me this  
\_\_\_\_ day of February, 1988, by James D. Loghry and Margaret R.  
Loghry, husband and wife.

\_\_\_\_\_  
Notary Public

My Commission Expires:

\_\_\_\_\_  
[SEAL]

STATE OF \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss:

The foregoing instrument was acknowledged before me this  
\_\_\_\_ day of February, 1988, by Richard J. Lundin and Vicki J.  
Lundin, husband and wife.

\_\_\_\_\_  
Notary Public

My Commission Expires:

\_\_\_\_\_  
[SEAL]

STATE OF COLORADO                    )  
  ) ss:  
County of Jefferson                    )

The foregoing instrument was acknowledged before me this  
5th day of February, 1988, by R. T. Agar, the President of  
American Copper & Nickel Company, Inc., a Minnesota corporation,  
on behalf of the corporation.

Joy K. Moseley  
Notary Public

My Commission Expires:

My Commission Expires May 24, 1988

[SEAL]



# EXHIBIT A

## PROPERTY

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SE #5	1168	651-52	AMC105418
SE #6	1168	653-54	AMC105419
SE #7	1168	655-56	AMC105420
SE #8	1168	657-58	AMC105421
SE #9	1168	659-60	AMC105422
SE #10	1168	661-62	AMC105423
SE #11	1168	663-64	AMC105424
SE #12	1168	665-66	AMC105425
SE #13	1168	667-68	AMC105426
SE #14	1168	669-70	AMC105427
SE #15	1168	671-72	AMC105428
SE #16	1168	673-74	AMC105429
SE #17	1168	675-76	AMC105430
SE #18	1168	677-78	AMC105431
SE #19	1168	679-80	AMC105432
SE #20	1168	681-82	AMC105433
SE #21	1168	683-84	AMC105434
SE #22	1168	685-86	AMC105435
SE #101	1303	729-30	AMC186704
SE #102	1303	731-32	AMC186705
SE #103	1303	733-34	AMC186706
SE #104	1303	735-36	AMC186707
SE #105	1303	737-38	AMC186708
SE #106	1303	739-40	AMC186709
SE #107	1303	741-42	AMC186710
SE #108	1303	743-44	AMC186711
SE #109	1303	745-46	AMC186712
SE #110	1303	747-48	AMC186713
SE #111	1303	749-50	AMC186714



SE #112	1303	751-52	AMC186715
SE #113	1303	753-54	AMC186716
SE #114	1303	755-56	AMC186717
SE #115	1303	757-58	AMC186718
SE #116	1303	759-60	AMC186719
SE #117	1303	761-62	AMC186720
SE #118	1303	763-64	AMC186721
SE #119	1303	765-67	AMC186722
SE #120	1303	768-70	AMC186723

Together with all extralateral rights, water rights, and appurtenances.

AMCU. Vi.

2/2/89

John Lukins Called - giving up SE.

0.5 ppm. east

Denser people: formal documents

couple of weeks all data will be sent

- digitizing drill logs may take a little longer  
and if so will send separately later.

W.

# SHORT COURSES

IN 1989. AT THE UNIVERSITY OF SHEFFIELD U.K.

FOR ARCHITECTS, ENGINEERS, PLANNERS & ADMINISTRATORS

CENTRE FOR DEVELOPMENT PLANNING STUDIES



The Centre for Development Planning Studies at the University of Sheffield invites applications for a programme of short courses which will be given during 1989. This Centre, which is particularly concerned with the areas of housing, building and planning, provides up-to-date training which is likely to be of interest to local and central government officials, academics, students and practising consultants.



All course fees include the cost of tuition and materials plus bed and breakfast accommodation in a University Hall of Residence. The Centre cannot provide financial awards. Applicants for 12-week courses may be eligible for UK technical assistance awards, applications for which should be made to the nearest office of the British Council or UK High Commission. Other possible sources of financial assistance are the European Economic Community, the United Nations Development Programme and the World Bank.



## MANAGEMENT OF URBAN GROWTH: THE ART OF CONTROLLING DEVELOPMENT

Uncontrolled urban growth is a major problem in most developing nations. Conventional approaches to urban management have coped poorly with social, physical, functional, organisational and economic crises. At the same time, an array of management tools are available which could be applied advantageously.

This 12-week course is intended for mid- and senior-level architects, engineers, planners, economists and administrators who are engaged in governmental and developmental organisations. It will focus upon these newer approaches to growth management in metropolitan cities, ranging from development control to maintenance planning. Emphasis will be placed upon institutional, financial, organisational and administrative structures for effective growth management.

**COST** £2,600 FOR TUITION

£1,200 FOR ACCOMMODATION

JULY 3 - SEPT. 22 1989

## PROJECT PLANNING AND IMPLEMENTATION: MAKING SURE IT HAPPENS

The successful planning and implementation of projects is essential as a means of achieving development. In far too many cases, however, there have been examples of ineffective project formulation and as a result, the implementation record has been poor. This represents a waste of scarce resources.

This 12-week course is designed for mid-career personnel who are involved in various government, semi-government and non-governmental organisations. The course will provide a systematic guide for preparing urban and regional projects, including conception, evaluation and co-ordination. Effectively planned projects enhance the likelihood that they will be implemented. Common implementation problems will be examined and the course will include methods of planning by which such problems can be avoided.

**COST** £2,600 FOR TUITION

£1,200 FOR ACCOMMODATION

JULY 3 - SEPT. 22 1989

**TOTAL FEE OF £3,800 INCLUDES COST OF TUITION AND MATERIALS PLUS BED & BREAKFAST ACCOMMODATION AT A UNIVERSITY HALL OF RESIDENCE**

ENQUIRIES AND APPLICATION FORMS FROM:

THE DIRECTOR, CENTRE FOR DEVELOPMENT PLANNING STUDIES  
UNIVERSITY OF SHEFFIELD, SHEFFIELD S10 2TN, UNITED KINGDOM  
TELEX No. 547216 UGSHEF G. FAX No. 0742 739826

**PLEASE DISPLAY**

TO

Joy Moseley  
ACNC.  
Wheat Ridge, Colo.

F  
R  
O  
M

W. B. Kinich  
GEORX #1425  
Tucson, AZ

↓ SUBJECT

S.E. Claims La Paz County AZ

DATE

2/19/88

MESSAGE

The agreement and check arrived on schedule except they did not call and, in the case of Tucson P.O. to P.O. means to our MAIN distributing Express Mail P.O. only. If, to our sub P.O., it's called "P.O. to addressee". In that case the Box 5964, 85703-0964 address you used is the preferable one. However we also get some mail at 810 West Grant, Zip 85705 as well, which is not preferable, because we are

SIGNED

~~REPLY~~

not always here to receive it during normal working hours (as you already know) when, at best, our phone answering machine is on or the phone is on call forwarding.

Thanks for expediting matters and, I hope we have a mutual winner

SIGNED

W. B. Kinich

DATE

2/19/88

**GEOEX**GEOPHYSICAL ENGINEERS  
TUCSON, ARIZONA**HEINRICH'S GEOEXPLORATION COMPANY**

808 WEST GRANT ROAD PH. 623-0578

MAILING ADDRESS: P.O. BOX 5964

TUCSON, ARIZONA 85703

CABLE: GEOEX, TUCSON

UNION BANK  
TUCSON, ARIZONA

NO 11885

91-101  
1221

February 19 1988

PAY  
TO THE ORDER  
OF

DOLLARS \$ 2,700.00

Richard J. Lundin  
and Vicki J. Lundin  
372 Hackberry Circle  
Prescott, AZ 86303

HEINRICH'S GEOEXPLORATION COMPANY

NON - NEGOTIABLE

⑈011885⑈ ⑆122101010⑆ 3048946⑈

HEINRICH'S GEOEXPLORATION COMPANY

DATE	INVOICE NO.	DESCRIPTION	AMOUNT	DISC. OR DEDUC.	NET AMOUNT
		1/4 share S.E. Claims Partnership American Copper & Nickel Co. \$3,000.00 Less Finder's fee (Corn-Ahern) (300.00) <u>\$2,700.00</u>	\$2,700.00		
		Richard SS# 342-38-4281			
		Vicki SS# 373-58-0136			

**GEOEX**GEOPHYSICAL ENGINEERS  
TUCSON, ARIZONA**HEINRICH'S GEOEXPLORATION COMPANY**

808 WEST GRANT ROAD PH. 623-0578

MAILING ADDRESS: P.O. BOX 5964

TUCSON, ARIZONA 85703

CABLE: GEOEX, TUCSON

NION BANK  
TUCSON, ARIZONA

No 11886

91-101  
1221

February 19 1988

PAY  
TO THE ORDER  
OF

DOLLARS \$ 2,700.00

James, D. Loghry  
and Margaret R. Loghry  
2121 E. Monte Vista Dr.  
Tucson, AZ 85719

HEINRICH'S GEOEXPLORATION COMPANY

NON - NEGOTIABLE

⑈011886⑈ ⑆122101010⑆ 30⑈4894⑈6⑈

HEINRICH'S GEOEXPLORATION COMPANY

DATE	INVOICE NO.	DESCRIPTION	AMOUNT	DISC. OR DEDUC.	NET AMOUNT
		1/4 share S.E. Claims Partnership			
		American Copper & Nickel Co.	\$3,000.00		
		Less Finder's fee (Corn-Ahern)	(300.00) --		
			<u>\$2,700.00</u>		\$2,700.00
	(Jim)	SS # 120-26-2072			

**GEOEX**GEOPHYSICAL ENGINEERS  
TUCSON, ARIZONA**HEINRICH'S GEOEXPLORATION COMPANY**

808 WEST GRANT ROAD PH. 623-0578

MAILING ADDRESS: P.O. BOX 5964

TUCSON, ARIZONA 85703

CABLE: GEOEX, TUCSON

UNION BANK  
TUCSON, ARIZONA

NO 11887

91-101  
1221

February 19 1988

PAY  
TO THE ORDER  
OF

DOLLARS \$ 1,200.00

Russell Corn - Richard Ahern  
8425 Desert Stepps Dr.  
Tucson, AZ 85710

HEINRICH'S GEOEXPLORATION COMPANY

NON - NEGOTIABLE

⑈011887⑈ ⑆122101010⑆ 3048946⑈

HEINRICH'S GEOEXPLORATION COMPANY

DATE	INVOICE NO.	DESCRIPTION	AMOUNT	DISC. OR DEDUC.	NET AMOUNT
		Finder's Fee S.E. Claim Group (10% of \$12,000.00)	\$1,200.00		
		<u>I.D. Partnership # 86-0358467</u>			



**GEOEX**GEOPHYSICAL ENGINEERS  
TUCSON, ARIZONA**HEINRICH'S GEOEXPLORATION COMPANY**808 WEST GRANT ROAD PH. 623-0578  
MAILING ADDRESS: P.O. BOX 5964  
TUCSON, ARIZONA 85703  
CABLE: GEOEX, TUCSONUNION BANK  
TUCSON, ARIZONA

No 11884

91-101  
1221

February 19 1988

PAY  
TO THE ORDER  
OF

DOLLARS \$ 2,700.00

William C. Hirt  
639 South 500 East  
Salt Lake City, Utah 84102

HEINRICH'S GEOEXPLORATION COMPANY

NON - NEGOTIABLE

⑈011884⑈ ⑆122101010⑆ 3048946⑈

HEINRICH'S GEOEXPLORATION COMPANY

DATE	INVOICE NO.	DESCRIPTION	AMOUNT	DISC. OR DEDUC.	NET AMOUNT
		1/2 share S.E. Claims partnership American Copper & Nickel Co. \$3,000.00 Less (Finder's fee) (300.00) (Corn-Ahern) <u>\$2,700.00</u>	\$2,700.00		
		<i>W.C. Hirt 55 # 182-38-7339</i>			





HEINRICHS GEOEXPLORATION COMPANY

P. O. BOX 5964, TUCSON, ARIZONA 85703. 806 WEST GRANT ROAD. PHONE: (602) 623-0578

February 19, 1988

William C. Hirt  
James D. Loghry  
Richard J. Lundin

Re: S.E. Claims La Paz County AZ.  
GEOEX #1425  
(A.C.N.C. portions)

Gentlemen:

Enclosed is a copy of a letter we received today from A.C.N.C.  
You should receive a similar one for the same purpose.

Also enclosed is GEOEX check for your share of A.C.N.C.  
proceeds. Rather than wait after we deposited the A.C.N.C. check to  
clear before cutting your proceeds share checks, we transferred the  
funds to cover. This will cost us some \$35.00 in interest lost, but will  
roughly save about two weeks in time.

Cheers,  
Heinrichs GEOEXploration Co.

Walter E. Heinrichs, Jr.

WEH:jh

cc: as listed.

AMERICAN COPPER & NICKEL COMPANY, INC.

USA Regional Headquarters  
4860 Robb Street  
Wheat Ridge, Colorado 80033  
303-425-1230



February 5, 1988

Mr. Walter E. Heinrichs  
Heinrichs GEOEXploration Company  
P.O. Box 5964  
Tucson, Arizona 85703-0964

**Re: Final Exploration Right with Option to Lease**

Dear Mr. Heinrichs,

I am enclosing for your files a copy of the Agreement dated February 5, 1988 and fully executed counterparts.

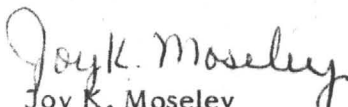
As noted in your letter dated February 8, 1988, there was a minor correction to be made in the listing of various unpatented mining claims in paragraph 23 on page 9 and paragraph 25 on page B-12. As discussed, we have accomplished this change so that we do not have to make pen and ink corrections. For my files, please sign and return the extra copy of this transmittal letter so that I can put it in my file and have evidence that you agree that this was the intent of the parties. Once again, thank you for your prompt attention to this.

A check is being sent to the Heinrichs GEOEXploration Company in the total amount of \$12,000.00 for distribution to each partner in proportion to his undivided interest.

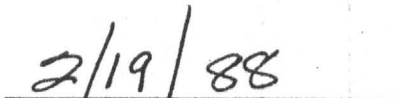
Please feel free to call me if you have any questions. My telephone number is (303) 425-1230.

Sincerely,

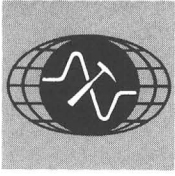
AMERICAN COPPER & NICKEL COMPANY, INC.

  
Joy K. Moseley  
Senior Landman

  
Mr. Walter E. Heinrichs

  
Date





HEINRICHS GEOEXPLORATION COMPANY

P. O. BOX 5964, TUCSON, ARIZONA 85703, 806 WEST GRANT ROAD, PHONE: (602) 623-0578

February 19, 1988

William C. Hirt  
James D. Loghry  
Richard J. Lundin

Re: S.E. Claims La Paz County AZ.  
GEOEX #1425  
(A.C.N.C. portions)

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clear before cutting your proceeds share checks, we transferred the  
funds to cover. This will cost us some \$35.00 in interest lost, but will  
roughly save about two weeks in time.

Cheers,  
Heinrichs GEOEXploration Co.

Walter E. Heinrichs, Jr.

WEH:jh

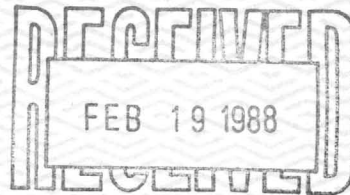
cc: as listed.

AMERICAN COPPER  
& NICKEL CO., INC.  
TRUST ACCOUNT

DETACH AND RETAIN THIS STATEMENT  
THE ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW.  
IF NOT CORRECT PLEASE NOTIFY US PROMPTLY. NO RECEIPT DESIRED.

DELUXE - FORM WVC-3 V-2

DATE	DESCRIPTION	AMOUNT
2/5/88	PAYMENT UPON EXECUTION OF OPTION AGREEMENT FOR THE STRAY ELEPHANT - 1ST Year owners: Heinrich - GEOExploration William Hirt James D. & Margaret R. Loghry Richard J. & Vicki J. Lundin  (25% each UNDIVIDED interest)	700-103-690 \$12,000

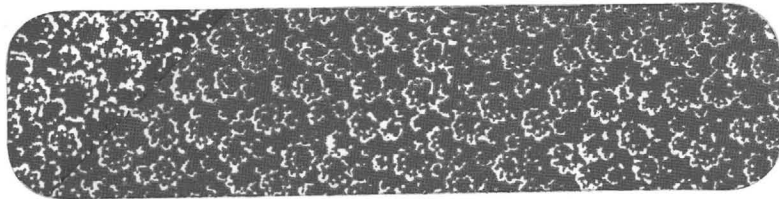


**AMERICAN COPPER & NICKEL CO., INC.**

➤ R. T. AGAR OR R. J. WORSFOLD

4860 Robb Street

Wheatridge, CO 80033-2106



*Lead: Tucson, AZ 2/19/88 - 2/20/88*

AMERICAN COPPER & NICKEL CO., INC.

TRUST ACCOUNT

R. T. AGAR OR TERENCE T. QUIRKE, JR.

4860 ROBB ST.

WHEAT RIDGE, COLO. 80033

**1STBANK**

WESTLAND, MI

820 752-2000  
1000 N. COLFAX AVE  
LANSING, MI 48206

16224

82-504/1070

February 18 19 88

PAY Twelve Thousand Dollars and 00/100

DOLLARS \$ 12,000.00

7

TO  
THE  
ORDER  
OF

Heinrichs GEOExploration Company  
P.O. Box 5964  
Tucson, AZ 85703-0964

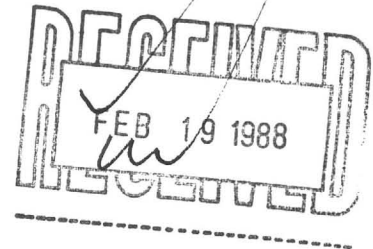
*Terence T. Quirke, Jr.*

⑈016224⑈ ⑆⑆107005047⑆ 055 0299⑈

DELUXE CHECK PRINTERS

*STE Claims Jett 1425 Exox*

AMERICAN COPPER & NICKEL COMPANY, INC.  
USA Regional Headquarters  
4860 Robb Street  
Wheat Ridge, Colorado 80033  
303-425-1230



February 5, 1988

Mr. Walter E. Heinrichs  
Heinrichs GEOEXploration Company  
P.O. Box 5964  
Tucson, Arizona 85703-0964

**Re: Final Exploration Right with Option to Lease**

Dear Mr. Heinrichs,

I am enclosing for your files a copy of the Agreement dated February 5, 1988 and fully executed counterparts.

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A check is being sent to the Heinrichs GEOEXploration Company in the total amount of \$12,000.00 for distribution to each partner in proportion to his undivided interest.

Please feel free to call me if you have any questions. My telephone number is (303) 425-1230.

Sincerely,

AMERICAN COPPER & NICKEL COMPANY, INC.

*Joy K. Moseley*

Joy K. Moseley  
Senior Landman

*Walter E. Heinrichs*  
\_\_\_\_\_  
Mr. Walter E. Heinrichs

*2/19/88*  
\_\_\_\_\_  
Date



EXPLORATION RIGHT WITH OPTION TO LEASE  
(Unpatented Claims)

This Agreement, effective as of the 5<sup>th</sup> day of February, 1988, is between

Heinrichs GEOEXploration Company,  
an Arizona corporation  
810 West Grant Road  
Tucson, Arizona 85705

William C. Hirt,  
a single man  
639 South 500 East  
Salt Lake City, Utah 84102

James D. and Margaret R. Loghry,  
husband and wife  
2121 East Monte Vista Drive  
Tucson, Arizona 85719

Richard J. and Vicki J. Lundin,  
husband and wife  
372 Hackberry Circle  
Prescott, Arizona 86303

(Collectively, the "Owner")

AND

American Copper & Nickel Company, Inc.,  
a Minnesota corporation  
4860 Robb Street, Suite 201  
Wheat Ridge, Colorado 80033

("ACNC")

Recitals

Owner represents that it is the owner of and is in possession of forty two (42) unpatented mining claims in La Paz County, Arizona known as the "Stray Elephant Property" (the "Property"), more particularly described in Exhibit A attached hereto and incorporated by reference herein.

Owner has record title to the Property as stated above and in paragraph 6, entitled "Undivided Interest", and Owner has equitable title to the Property in an informal partnership known as "Stray Elephant Partners."

ACNC desires to obtain and Owner is willing to grant an exclusive exploration right containing an exclusive option to lease the Property.

NOW THEREFORE, in consideration of a total of Twelve Thousand Dollars (\$12,000.00) in hand paid to Owner, the receipt and sufficiency of which are hereby acknowledged, and further in consideration of the mutual covenants, agreements, and promises herein contained, the parties hereto agree as follows:

1. Exploration Right. Owner grants to ACNC the sole and exclusive right to explore, sample, and test the Property.

2. Additional Property. (a) Except for a block of thirty six (36) unpatented mining claims to be leased to Cyprus Metals Company (SE #23-52 and 57-62), Owner represents that it has no interest in any mining property, water rights, or fee lands (except the Property) within one (1) mile from the boundaries of the Property described in Exhibit A. If it appears that Owner has any such interest, the interest shall, at ACNC's option, be deemed a part of the Property for the purposes of this Agreement.

(b) If during the term of this Agreement, Owner locates or otherwise acquires an interest in any mining property, water rights, or fee lands within the area described in the foregoing subparagraph (a), the interest shall, at ACNC's option, be deemed a part of the Property for the purposes of this Agreement. This option shall not apply to properties or rights acquired by Owner through the party or parties leasing the SE #23-52 and 57-62 unpatented mining claims.

3. Term. The term of this Agreement shall be five (5) years from the date hereof, unless sooner surrendered or otherwise terminated, or until the earlier exercise of the option granted by paragraph 18, entitled "Option to Lease."

4. Exclusive Possession. ACNC shall have the exclusive possession of the Property during the term of this Agreement.

5. Title. (a) Owner warrants that it is in possession of the Property, that it has the right to enter into this Agreement, that it knows of no other person claiming any interest in the Property or the ground covered thereby, and that the Property is free from all liens and encumbrances, except liens for property taxes not yet due and payable. Owner further warrants to ACNC the quiet enjoyment of the Property and the right to explore, develop, and mine the same.

(b) Owner represents that when this Agreement has been executed by all five of the individuals and the corporation collectively referred to as "Owner," this Agreement is binding on the "Stray Elephant Partners" and no further approval of any other party is required.

(c) Owner warrants that the unpatented mining claims included in the Property have been properly located, and that for each assessment year assessment work has been performed (or other steps taken in accordance with the law) for the benefit of the claims. Owner warrants and will defend title to the Property against all persons whomsoever.

(d) Owner shall provide ACNC with recording data with respect to location notices and certificates, affidavits of annual labor, deeds, easements, or other documents which bear upon Owner's title to the Property, and shall provide ACNC with copies of all such documents and all title reports and abstracts in Owner's possession or control. Owner shall, upon ACNC's request, record any such document in Owner's possession or control which has not been recorded.

(e) At ACNC's request, Owner shall take all action necessary (including judicial proceedings) to remove any cloud from or cure any defect in his title to the Property or the ground covered thereby. If Owner fails or refuses to take any such action, ACNC may take any such action in Owner's name. Owner agrees to cooperate with ACNC in any such action taken. ACNC may recover from Owner or from any payments thereafter to become due to Owner hereunder all costs and expenses (including attorneys' fees) incurred by ACNC in any such action. If the United States or any third person attacks the validity of any unpatented mining claim included in the Property for any reason except ACNC's failure to comply with its obligation to perform assessment work pursuant to this Agreement, ACNC shall have no obligation to defend the validity of the claim.

6. Undivided Interest. (a) The Property is owned by the following parties as tenants in common:

Heinrichs GEOEXploration Company,  
undivided 25%;

William C. Hirt,  
undivided 25%;

James D. and Margaret R. Loghry,  
undivided 25%; and

Richard J. and Vicki J. Lundin,  
undivided 25%.

(b) If the interest claimed by Owner in any portion of the Property is less than one hundred percent (100%), the interest claimed by Owner is set forth in Exhibit A. Any representation or warranty of title made by Owner shall apply only to the interest set forth in Exhibit A.

7. Option Payments. ACNC shall pay to Owner option payments on the dates and in the amounts as follows:

\$16,000 on the first anniversary of this Agreement  
\$20,000 on the second anniversary of this Agreement  
\$24,000 on the third anniversary of this Agreement  
\$28,000 on the fourth anniversary of this Agreement

These payments shall be in lieu of any obligation on the part of ACNC, express or implied, to explore the Property or perform any work thereon, except assessment work and ACNC's work commitment.

8. Work Commitment in Lieu of Implied Covenants. ACNC agrees to a minimum commitment of Fifty Thousand Dollars (\$50,000.00) in the first year of the Agreement and in each subsequent year during the term of this Agreement. All expenditures made on or for the benefit of the Property shall count toward such minimum work commitment, and expenditures in excess of the minimum amount may be credited against such minimum work commitment in subsequent years. Such work commitment is in lieu of all implied covenants, and there are no covenants or conditions relating to the exploration, development, mining, or related operations on or in connection with the Property, or the timing thereof, other than those expressly provided in this Agreement, and none shall be implied. After commencing any mining or related operations on or in connection with the Property, ACNC may in its sole discretion curtail or cease such operations so long as it continues to make any payments due Owner under this Agreement.

9. Payments. All payments made to Owner shall be made to the parties identified in paragraph 6, entitled "Undivided Interest," in proportion to the parties' undivided interest in the Property. ACNC shall make all payments due Owner hereunder by check, which shall be transmitted to Heinrichs GEOEXploration Company at its address for notice. Upon making such payments, ACNC shall be deemed to have made the payments to Owner, its heirs, representatives, successors, and assigns, and thereupon ACNC shall be discharged to the extent thereof as if the payments had been made directly to each individual Owner, or to any person, firm or corporation entitled thereto, and ACNC shall

not be liable for the ultimate distribution or receipt of any payment or payments.

10. Operations. (a) During the term of this Agreement, ACNC shall have free and unrestricted access to the Property, and shall have the exclusive right (i) to explore, sample, and test the Property, (ii) to erect, construct, use, and maintain on the Property such roads, buildings, structures, machinery, equipment, personal property, fixtures, and improvements as may be required for the conduct of its exploration and related operations, and (iii) to extract and remove from the Property, without royalty or other compensation to Owner, such ore as may be mined in the normal course of exploration operations and such ore as ACNC may require for bulk sampling and testing. ACNC shall not conduct commercial mining operations on the Property or sell any ores, minerals, concentrates, or other products from the Property prior to exercising the option granted by paragraph 18, entitled "Option to Lease."

(b) ACNC shall conduct all of its operations on the Property in good and workmanlike manner and in accordance with accepted mining practice.

(c) All decisions with respect to exploration of the Property, including all decisions regarding the commencement, supervision, resumption or termination of any operation, shall be made by ACNC in its sole discretion. There are no covenants or agreements regarding this matter other than those expressly set forth herein.

(d) ACNC shall comply with all laws and regulations governing its operations on the Property. If this Agreement is inconsistent with or contrary to any law or regulation, the law or regulation shall control and this Agreement shall be deemed to be modified accordingly.

11. No Implied Covenants. There are no implied covenants or conditions whatsoever in this Agreement relating to the evaluation of the Property, or the time thereof except as expressly provided in this Agreement.

12. Protection from Liens and Damages. ACNC shall keep the Property free of liens for labor performed or materials or merchandise furnished for use on the Property under this Agreement, and shall hold Owner harmless from all costs, loss, or damage which may result from any work or operations of ACNC or its occupancy of the Property.

13. Taxes. Owner shall pay all taxes levied against the Property prior to the date of this Agreement. ACNC shall pay or

reimburse Owner for all taxes levied against the Property during the term of this Agreement. In the case of taxes for the calendar year in which this Agreement commences, and for the calendar year in which this Agreement ends, there shall be an apportionment between the parties, ACNC to bear the proportion of taxes upon the Property applicable to the part of the calendar year included hereunder, and Owner to bear the balance of the taxes. ACNC shall pay all taxes levied during the term of this Agreement against all buildings, structures, machinery, equipment, personal property, fixtures, and improvements placed upon the Property by ACNC, and all taxes levied against ACNC as an employer of labor. All taxes shall be paid when due and before delinquent, but ACNC shall be under no obligation to pay any tax so long as the tax is being contested in good faith and by appropriate legal proceedings and the nonpayment thereof does not adversely affect any right, title, or interest of Owner in or to the Property.

14. Insurance. ACNC shall carry at all times during the term of this Agreement worker's compensation and other insurance required by state laws and mining regulations.

15. Inspection. (a) Owner or its authorized representative may enter on the Property at any reasonable time for the purpose of inspection, but shall enter at Owner's own risk and so as not to hinder unreasonably the operations of ACNC. Owner shall indemnify and hold ACNC harmless from any damage, claim, or demand by reason of injury to or the presence of Owner, his agents or representatives on the Property.

(b) Owner or its authorized representative may, at any reasonable time, inspect any records pertinent and necessary for substantiating the compliance of ACNC with the provisions of this Agreement.

16. Data. (a) Upon the execution of this Agreement, Owner shall deliver to ACNC all drill core, all geological, geophysical, and engineering data and maps, logs of drill holes, results of assaying and sampling, and similar data concerning the Property (or copies thereof) which are in Owner's possession or control.

(b) Upon the surrender or other termination of this Agreement (except by exercise of the option to purchase and payment of the full purchase price as provided in paragraph 18, entitled "Option to Lease"), ACNC shall, within sixty (60) days after termination, (i) return to Owner all drill core and original data delivered by Owner to ACNC which are then in ACNC's possession or control, and (ii) make available for inspection by Owner all factual geological and geophysical data and maps (not



including interpretive data), logs of drill holes, drill core and results of assaying and sampling pertaining to the Property which ACNC has obtained as a result of its exploration work under this Agreement and which are then in ACNC's possession or control. Upon Owner's request made within sixty (60) days after termination of this Agreement, ACNC shall, at Owner's expense, provide Owner with the drill core designated by Owner and with copies of any portion of the factual geological and geophysical data and maps (not including interpretive data), logs of drill holes, and results of assaying and sampling designated by Owner. ACNC makes no representation or warranty as to the accuracy or completeness of any such data or information, and shall not be liable on account of any use by Owner or any other person of any such data or information. ACNC shall not be liable for the loss or destruction of any drill core.

17. Confidentiality. All information obtained by Owner or its authorized representatives from ACNC arising out of ACNC's activities on the Property pursuant to this Agreement shall be kept strictly confidential by Owner and shall not be released to any third party except upon the prior written consent of ACNC.

18. Option to Lease. Owner grants to ACNC during the term of this Agreement the sole and exclusive option to lease the Property, together with all appurtenances and water rights incident thereto and all improvements and personal property thereon, free and clear of all liens and encumbrances, by delivering to Owner an advance royalty payment of Sixty Thousand Dollars (\$60,000.00). If ACNC exercises its option to lease, Owner agrees to execute and deliver to ACNC the Mining Lease With Option To Purchase attached hereto as Exhibit "B" within thirty (30) days after ACNC gives notice that it elects to exercise the option to lease.

19. Escrow. Any time after the execution of this Agreement, if requested to do so by ACNC Owner shall execute, acknowledge, and deliver to an escrow agent selected by ACNC (the Escrow Agent) the Mining Lease With Option To Purchase attached hereto as Exhibit "B." Owner agrees the escrow agent shall hold the lease and deliver it to ACNC when entitled hereunder to receive the same. The parties hereto agree to execute escrow instructions reasonably requested by Escrow Agent.

20. Termination and Surrender. (a) If ACNC fails to comply with any of the provisions of this Agreement and if ACNC does not initiate and diligently pursue steps to correct the default within thirty (30) days after notice has been given to it by Owner specifying with particularity the nature of the default, then upon the expiration of the thirty-day period, all



rights of ACNC under this Agreement (except as provided in paragraphs 21 and 22, entitled "Removal of Property" and "Access") shall terminate, and all liabilities and obligations of ACNC (except liabilities existing on the date of termination, and except as provided in paragraph 16, entitled "Data") shall terminate. Any default claimed with respect to the payment of money may be cured by the deposit in escrow of the amount in controversy (not including claimed consequential, special, exemplary, or punitive damages) and giving of notice of the deposit to Owner, the amount to remain in escrow until the controversy is resolved by decision of a court or otherwise. If ACNC by notice to Owner disputes the existence of a default, then this Agreement shall not terminate hereunder unless ACNC does not initiate and diligently pursue steps to correct the default within thirty (30) days after the existence of a default has been determined by decision of a court or otherwise.

(b) Subject to the right of Owner to terminate this Agreement as provided in the foregoing subparagraph (a), controversy between the parties hereto shall not interrupt performance of this Agreement or the continuation of operations hereunder. In the event of any controversy, ACNC may continue operations hereunder and shall make the payments provided for herein notwithstanding the existence of the controversy. Upon the resolution of the controversy, such payments or restitutions shall be made as required by the terms of the decision of the court or otherwise.

(c) ACNC may at any time terminate this Agreement as to all or any part of the Property by delivering to Owner or by filing for record in the appropriate office (with a copy to Owner) a good and sufficient Surrender of this Agreement or a Partial Surrender describing that portion of the Property as to which this Agreement is surrendered. Upon mailing the Surrender or Partial Surrender to Owner or to the appropriate office, all rights of ACNC under this Agreement with respect to the portion of the Property as to which this Agreement is terminated (except as provided in paragraphs 21 and 22, entitled "Removal of Property" and "Access") shall terminate and all liabilities and obligations of ACNC with respect to the portion of the Property as to which this Agreement is terminated (except liabilities existing on the date of termination, and except as provided in paragraph 16, entitled "Data") shall terminate.

21. Removal of Property. For a period of six (6) months after the termination of this Agreement ACNC shall have the right (but not the obligation) to remove from the Property all buildings, structures, machinery, equipment, personal property, fixtures, and improvements owned by ACNC or erected or placed on or in the Property by ACNC, except mine timbers in place. ACNC

may keep one or more watchmen on the Property during the six-month period.

22. Access. For as long as necessary after termination of this Agreement, ACNC shall have the right of access to and across the Property for reclamation purposes.

23. Easements. If requested by ACNC during the term of this Agreement, Owner, subject to any required permission or allowed restrictions of the party or parties leasing the SE #23-52 and 57-62 unpatented mining claims, shall execute one or more instruments granting to ACNC without cost to ACNC easements upon, over, or through the Property or upon, over, or through other property owned by Owner. Such easements shall be for the construction, maintenance, use, and removal of all facilities reasonably necessary or convenient for ACNC's operations on the Property or on other property.

24. Amendments, Relocations, and Patents. During the term of this Agreement, ACNC shall have the right (but not the obligation) to amend or relocate, in the name of Owner, any or all of the unpatented mining claims included in the Property, to locate placer claims on ground theretofore covered by lode claims and vice versa, to locate mill sites on ground theretofore covered by mining claims and vice versa, and to locate any fractions resulting from the location, amendment, or relocation of mining claims or mill sites. At the request of ACNC, Owner shall apply for a patent for any or all of the unpatented mining claims and mill sites. All expenses authorized by ACNC in connection with locating, amending, or relocating mining claims or mill sites or prosecuting patent proceedings shall be borne by ACNC. The rights of ACNC under this Agreement shall extend to all such locations, amended locations, relocations, and patented mining claims and mill sites.

25. Compliance with Federal Land Policy and Management Act. (a) Owner warrants that the location notices or location certificates for the unpatented mining claims included in the Property have been properly filed in the proper office of the Bureau of Land Management pursuant to 43 U.S.C. § 1744(b).

(b) Owner warrants that evidence of assessment work or notices of intention to hold have been properly recorded in the proper county (or recording district) office and filed in the proper office of the Bureau of Land Management pursuant to § 314(a) of the Federal Land Policy and Management Act of 1976, 43 U.S.C. § 1744(a), as required, for each assessment year to and including the assessment year ending September 1, 1987.

26. Assessment Work. (a) Owner warrants that the annual assessment work required to hold the Property has been performed for the assessment year ending September 1, 1987. ACNC shall perform the assessment work for the benefit of the Property for the assessment year ending September 1, 1988, and for every assessment year thereafter in which ACNC continues this Agreement beyond the 1st day of June of the assessment year. If any court or governmental agency decides that the work performed by ACNC does not constitute the kind of work required by federal or state law, ACNC shall nevertheless be deemed to have complied with the terms of this Agreement if the work done by ACNC is of the kind generally accepted in the mining industry as assessment work under existing law.

(b) ACNC shall be relieved of its obligation to perform assessment work for any period in which assessment work is not required or is suspended, and ACNC shall have the benefit of subsequent laws enacted which relate to assessment work, including any laws extending the time within which to perform assessment work. For each year in which ACNC performs assessment work, it will record in the office where the location notice or location certificate is recorded, and in any other proper office in the county (or recording district) in which the claims are located, and in the proper office of the Bureau of Land Management, an affidavit of assessment work or other document complying with the requirements of state law and the Federal Land Policy and Management Act of 1976 and the regulations implementing and supplementing the Act.

(c) Owner represents that the Property is one contiguous group of mining claims, and agree that work on any one or more of the claims will be for the benefit of all of the claims.

27. Notices. All notices and other communications to either party shall be in writing and shall be sufficiently given if delivered in person or sent by certified or registered mail, return receipt requested, addressed as hereinafter set forth. Any notice given by or to Heinrichs GEOExploration Company shall be notice by or to all Owners. Notices given by mail shall be deemed delivered as of the date of mailing. Until a change of address is communicated as indicated above, all notices to Owner shall be addressed:

Heinrichs GEOExploration Company  
P. O. Box 5964  
Tucson, Arizona 85703-0964

Attention: Walter E. Heinrichs

and all notices to ACNC shall be addressed:

American Copper & Nickel Company, Inc.  
4860 Robb Street, Suite 201  
Wheat Ridge, Colorado 80033

Attention: R. T. Agar, President

28. Assignment. (a) The rights of either party hereunder may be assigned in whole or in part, subject to the provisions hereinafter set forth.

(b) No change or division in the ownership of the Property or the payments provided for herein, however accomplished, shall enlarge the obligations or diminish the rights of ACNC. Owner covenants that any change in his ownership shall be accomplished in such a manner that ACNC shall be required to make payments and to give notices to but one person, firm, or corporation, and upon breach of this covenant, ACNC may retain all monies otherwise due to Owner until the breach has been cured. No change or division in ownership shall be binding on ACNC until thirty (30) days after Owner has given ACNC a certified copy of the recorded instrument evidencing the change or division.

29. Force Majeure. (a) If ACNC shall be prevented by Force Majeure from timely performance of any of its obligations hereunder (except the payment of money to Owner), the failure of performance shall be excused and the period for performance and the term of this Agreement shall be extended for an additional period equal to the duration of the Force Majeure. Upon the occurrence and upon the termination of any Force Majeure, ACNC shall promptly notify Owner. ACNC shall use reasonable diligence to remedy a Force Majeure, but shall not be required against its better judgment to settle any labor dispute or contest the validity of any law or regulation or any action or inaction of civil or military authority.

(b) "Force Majeure" means any cause beyond ACNC's reasonable control, including law or regulation; action or inaction of civil or military authority; inability to obtain any license, permit, or other authorization that may be required to conduct operations on or in connection with the Property; unusually severe weather; mining casualty; fire; explosion; flood; insurrection; riot; labor dispute; inability after diligent effort to obtain workmen or material; delay in transportation; and acts of God.

30. Short Form. Contemporaneously herewith, ACNC and Owner have executed and delivered a Short Form of Agreement. ACNC may record the Short Form of this Agreement.

31. Inurement. All covenants, conditions, limitations, and provisions herein contained apply to and are binding upon the parties hereto, their heirs, representatives, successors, and assigns.

32. Modification. No modification, variation, or amendment of this Agreement shall be effective unless the modification, variation, or amendment is in writing and is signed by Owner and ACNC.

33. Waiver. No waiver of any breach or default under this Agreement shall be effective unless the waiver is in writing and signed by the party against whom the waiver is claimed. No waiver of any breach or default shall be deemed to be a waiver of any other or subsequent breach or default.

34. Construction. (a) The paragraph headings are for convenience only, and shall not be used in the construction of this Agreement. The term "Owner" shall be deemed to be singular or plural, and shall be deemed to be masculine or feminine, or both, or neuter, whenever the construction of this Agreement so requires.

(b) As to any provision of this Agreement, the parties do not intend that there shall be any violation of the Rule Against Perpetuities or any similar rule. If any such violation should inadvertently occur, it is the wish of the parties that the appropriate court shall reform such provision in such a way as to approximate most closely the intent of the parties within the limits permissible under the Rule Against Perpetuities or similar rule.

35. Governing Law. The formation, interpretation, and performance of this Agreement shall be governed by the law of the state of Arizona.

36. Invalidity. The invalidity of any provision of this Agreement shall not affect the enforceability of any other provision of this Agreement.

37. Counterparts. This Agreement may be executed by any number of counterparts, each of which shall be deemed to be an original. If any person named as one of the Owners does not execute this Agreement, it nevertheless shall be binding upon those persons executing it.

38. Additional Documents. Owner will provide ACNC with such additional documents as may be necessary to carry out the

purposes of this Agreement. If conditions change by reason of conveyances, assignments, or other matters relating to the title to or description of the Property, Owner and ACNC shall execute amendments of this Agreement and the Short Form of Agreement, and any other documents which may be necessary to reflect such changed conditions.

39. Entire Agreement. This Agreement sets forth the entire agreement of the parties and, except as herein expressly provided, supersedes all previous and contemporaneous agreements, representations, warranties, or understandings, written or oral.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the date first above written.

Heinrichs GEOEXploration Company

By: 

Walter E. Heinrichs,  
President

[SEAL]

Attest: 

Secretary

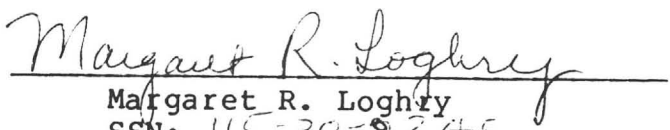
EIN: 26-0141-923

  
William C. Hirt

SSN: \_\_\_\_\_

  
James D. Loghry

SSN: 120-25-7076

  
Margaret R. Loghry

SSN: 115-30-8245



purposes of this Agreement. If conditions change by reason of conveyances, assignments, or other matters relating to the title to or description of the Property, Owner and ACNC shall execute amendments of this Agreement and the Short Form of Agreement, and any other documents which may be necessary to reflect such changed conditions.

39. Entire Agreement. This Agreement sets forth the entire agreement of the parties and, except as herein expressly provided, supersedes all previous and contemporaneous agreements, representations, warranties, or understandings, written or oral.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the date first above written.

Heinrichs GEOEXploration Company

By: \_\_\_\_\_  
Walter E. Heinrichs,  
President

[SEAL]

Attest: \_\_\_\_\_  
Secretary

EIN: \_\_\_\_\_


\_\_\_\_\_  
*William C. Hirt*  
William C. Hirt  
SSN: 182-38-7339

\_\_\_\_\_  
James D. Loghry  
SSN: \_\_\_\_\_

\_\_\_\_\_  
Margaret R. Loghry  
SSN: \_\_\_\_\_

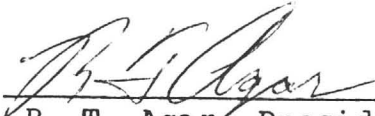


Richard J. Lundin  
SSN: 342-38-4281



Vicki J. Lundin  
SSN: 373-58-0136

AMERICAN COPPER & NICKEL COMPANY,  
INC.

By: 

R. T. Agar, President  
Director of Exploration--USA

STATE OF \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss:

The foregoing instrument was acknowledged before me this  
\_\_\_ day of February, 1988, by Walter E. Heinrichs, the President  
of Heinrichs GEOExploration Company , an Arizona corporation,  
on behalf of the corporation.

\_\_\_\_\_  
Notary Public

My Commission Expires:


\_\_\_\_\_  
[SEAL]



\_\_\_\_\_  
Richard J. Lundin  
SSN: \_\_\_\_\_

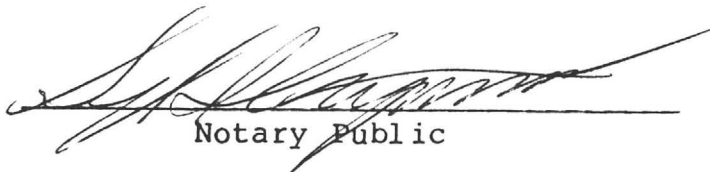
\_\_\_\_\_  
Vicki J. Lundin  
SSN: \_\_\_\_\_

AMERICAN COPPER & NICKEL COMPANY,  
INC.

By:   
R. T. Agar, President  
Director of Exploration--USA

STATE OF Arizona )  
County of Pima ) ss:

The foregoing instrument was acknowledged before me this  
8 day of February, 1988, by Walter E. Heinrichs, the President  
of Heinrichs GEOEXploration Company, an Arizona corporation,  
on behalf of the corporation.

  
Notary Public

My Commission Expires:

My Commission Expires May 31, 1991

[SEAL]

STATE OF Utah )  
County of Galt Lake ) ss:

16<sup>th</sup> The foregoing instrument was acknowledged before me this  
day of February, 1988, by William C. Hirt, a single man.

Michelle Spence  
Notary Public

My Commission Expires:

2-20-91

[SEAL]

STATE OF \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss:

The foregoing instrument was acknowledged before me this  
\_\_\_\_ day of February, 1988, by James D. Loghry and Margaret R.  
Loghry, husband and wife.

\_\_\_\_\_  
Notary Public

My Commission Expires:

\_\_\_\_\_

[SEAL]

STATE OF \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss:

The foregoing instrument was acknowledged before me this  
\_\_\_\_ day of February, 1988, by William C. Hirt, a single man.

\_\_\_\_\_  
Notary Public

My Commission Expires:

\_\_\_\_\_  
[SEAL]

STATE OF Arizona )  
County of Pima ) ss:

The foregoing instrument was acknowledged before me this  
6<sup>th</sup> day of February, 1988, by James D. Loghry and Margaret R.  
Loghry, husband and wife.

Paula Bryan  
Notary Public

My Commission Expires:

8-19-88

[SEAL]

STATE OF Arizona )  
County of Yavapai ) ss:

8th The foregoing instrument was acknowledged before me this  
day of February, 1988, by Richard J. Lundin and Vicki J.  
Lundin, husband and wife.

Patricia Washburn  
Notary Public

My Commission Expires:  
My Commission Expires April 22, 1990

[SEAL]

STATE OF COLORADO )  
County of Jefferson ) ss:

The foregoing instrument was acknowledged before me this  
5th day of February, 1988, by R. T. Agar, the President of  
American Copper & Nickel Company, Inc., a Minnesota corporation,  
on behalf of the corporation.

Joy K. Moseley  
Notary Public

My Commission Expires:

1993

[SEAL]



EXHIBIT A

PROPERTY

All those certain unpatented mining claims situate in Section 32, Township 4 North, Range 20 West, and Section 5, Township 3 North, Range 20 West, La Paz County, Arizona, and recorded in the county records at the book and page shown, and with the Bureau of Land Management under the serial number shown, as follows:

<u>Name of Claim</u>	<u>Book</u>	<u>Page</u>	<u>B.L.M. Serial No.</u>
SE #1	1168	643-44	AMC105414
SE #2	1168	645-46	AMC105415
SE #3	1168	647-48	AMC105416
SE #4	1168	649-50	AMC105417
SE #5	1168	651-52	AMC105418
SE #6	1168	653-54	AMC105419
SE #7	1168	655-56	AMC105420
SE #8	1168	657-58	AMC105421
SE #9	1168	659-60	AMC105422
SE #10	1168	661-62	AMC105423
SE #11	1168	663-64	AMC105424
SE #12	1168	665-66	AMC105425
SE #13	1168	667-68	AMC105426
SE #14	1168	669-70	AMC105427
SE #15	1168	671-72	AMC105428
SE #16	1168	673-74	AMC105429
SE #17	1168	675-76	AMC105430
SE #18	1168	677-78	AMC105431
SE #19	1168	679-80	AMC105432
SE #20	1168	681-82	AMC105433
SE #21	1168	683-84	AMC105434
SE #22	1168	685-86	AMC105435
SE #101	1303	729-30	AMC186704
SE #102	1303	731-32	AMC186705
SE #103	1303	733-34	AMC186706
SE #104	1303	735-36	AMC186707
SE #105	1303	737-38	AMC186708
SE #106	1303	739-40	AMC186709
SE #107	1303	741-42	AMC186710
SE #108	1303	743-44	AMC186711
SE #109	1303	745-46	AMC186712
SE #110	1303	747-48	AMC186713
SE #111	1303	749-50	AMC186714

SE #112	1303	751-52	AMC186715
SE #113	1303	753-54	AMC186716
SE #114	1303	755-56	AMC186717
SE #115	1303	757-58	AMC186718
SE #116	1303	759-60	AMC186719
SE #117	1303	761-62	AMC186720
SE #118	1303	763-64	AMC186721
SE #119	1303	765-67	AMC186722
SE #120	1303	768-70	AMC186723

Together with all extralateral rights, water rights, and appurtenances.

SHORT FORM  
OF  
EXPLORATION RIGHT WITH OPTION TO LEASE  
(Unpatented Claims)

This Agreement, effective as of the 5th day of February, 1988, is between

Heinrichs GEOEXploration Company,  
an Arizona corporation  
810 West Grant Road  
Tucson, Arizona 85705

William C. Hirt,  
a single man  
639 South 500 East  
Salt Lake City, Utah 84102

James D. and Margaret R. Loghry,  
husband and wife  
2121 East Monte Vista Drive  
Tucson, Arizona 85719

Richard J. and Vicki J. Lundin,  
husband and wife  
372 Hackberry Circle  
Prescott, Arizona 86303

(Collectively, the "Owner")

AND

American Copper & Nickel Company, Inc.,  
a Minnesota corporation  
4860 Robb Street, Suite 201  
Wheat Ridge, Colorado 80033

("ACNC")

Recitals

Owner represents that it is the owner of and is in possession of forty two (42) unpatented mining claims in La Paz County, Arizona known as the "Stray Elephant Property" (the "Property"), more particularly described in Exhibit A attached hereto and incorporated by reference herein.

ACNC desires to obtain and Owner is willing to grant an exclusive exploration right containing an exclusive option to lease and an exclusive option to purchase the Property.

NOW THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration in hand paid to Owner, the receipt and sufficiency of which are hereby acknowledged, and further in consideration of the mutual covenants, agreements, and promises herein contained, the parties hereto agree as follows:

Exploration Right. Owner grants to ACNC the sole and exclusive right to explore, sample, and test the Property.

Additional Property. (a) Except for a block of thirty six (36) unpatented mining claims which may be leased to a third party (SE #23-52 and 57-62), Owner represents that it has no interest in any mining property, water rights, or fee lands (except the Property) within one (1) mile from the boundaries of the Property described in Exhibit A. If it appears that Owner has any such interest, the interest shall, at ACNC's option, be deemed a part of the Property for the purposes of this Agreement.

(b) If during the term of this Agreement, Owner locates or otherwise acquires an interest in any mining property, water rights, or fee lands within the area described in the foregoing subparagraph (a), the interest shall, at ACNC's option, be deemed a part of the Property for the purposes of this Agreement. This option shall not apply to properties or rights acquired by Owner through the party or parties leasing the SE #23-52 and 57-62 unpatented mining claims.

Term. The term of this Agreement shall be five (5) years from the date hereof, unless sooner surrendered or otherwise terminated, or until the earlier exercise of the option.

Exclusive Possession. ACNC shall have the exclusive possession of the Property during the term of this Agreement.

Additional Terms. Additional terms and conditions of this Agreement are contained in an instrument of even date by and between the parties hereto. This Short Form shall not limit, decrease, increase, or in any manner affect any of the terms of said instrument or any rights, interests, or obligations of the parties thereunder.



Heinrichs GEOEXploration Company

By: Walter E. Heinrichs  
Walter E. Heinrichs,  
President

[SEAL]

Attest: M. Jean Heinrichs  
Secretary

EIN: 86-6141-923

William C. Hirt  
SSN: \_\_\_\_\_

James D. Loghry  
James D. Loghry  
SSN: 120-26-7076

Margaret R. Loghry  
Margaret R. Loghry  
SSN: 115-30-8245

Richard J. Lundin  
SSN: \_\_\_\_\_

Vicki J. Lundin  
SSN: \_\_\_\_\_

Heinrichs GEOEXploration Company

By: \_\_\_\_\_  
Walter E. Heinrichs,  
President

[SEAL]

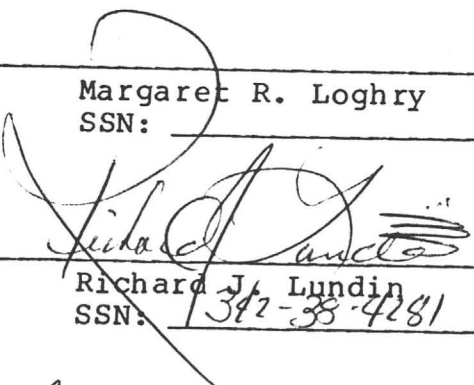
Attest: \_\_\_\_\_  
Secretary


EIN: \_\_\_\_\_

William C. Hirt  
SSN: \_\_\_\_\_

James D. Loghry  
SSN: \_\_\_\_\_

Margaret R. Loghry  
SSN: \_\_\_\_\_

  
Richard J. Lundin  
SSN: 1342-38-4281

  
Vicki J. Lundin  
SSN: 373-58-0136

Heinrichs GEOEXploration Company

By: \_\_\_\_\_  
Walter E. Heinrichs,  
President

[SEAL]

Attest: \_\_\_\_\_  
Secretary

EIN: \_\_\_\_\_

\_\_\_\_\_  
*William C. Hirt*  
William C. Hirt  
SSN: 182-38-7339

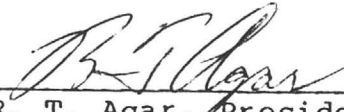
\_\_\_\_\_  
James D. Loghry  
SSN: \_\_\_\_\_

\_\_\_\_\_  
Margaret R. Loghry  
SSN: \_\_\_\_\_

\_\_\_\_\_  
Richard J. Lundin  
SSN: \_\_\_\_\_

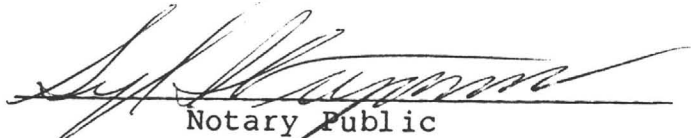
\_\_\_\_\_  
Vicki J. Lundin  
SSN: \_\_\_\_\_

AMERICAN COPPER & NICKEL COMPANY,  
INC.

By:   
R. T. Agar, President  
Director of Exploration--USA

STATE OF Arizona )  
County of Pima ) ss:

8 The foregoing instrument was acknowledged before me this  
day of February, 1988, by Walter E. Heinrichs, the President  
of Heinrichs GEOEXploration Company, an Arizona corporation,  
on behalf of the corporation.

  
Notary Public

My Commission Expires:

My Commission Expires May 31, 1991

[SEAL]

STATE OF \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss:

\_\_\_\_\_ The foregoing instrument was acknowledged before me this  
day of February, 1988, by William C. Hirt, a single man.

\_\_\_\_\_  
Notary Public

My Commission Expires:

\_\_\_\_\_

[SEAL]

AMERICAN COPPER & NICKEL COMPANY,  
INC.

By: *R. T. Agar*  
R. T. Agar, President  
Director of Exploration--USA

STATE OF \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss:

The foregoing instrument was acknowledged before me this  
\_\_\_\_ day of February, 1988, by Walter E. Heinrichs, the President  
of Heinrichs GEOEXploration Company , an Arizona corporation,  
on behalf of the corporation.

\_\_\_\_\_  
Notary Public

My Commission Expires:  
\_\_\_\_\_

[SEAL]

STATE OF Utah )  
County of Salt Lake ) ss:

17th The foregoing instrument was acknowledged before me this  
day of February, 1988, by William C. Hirt, a single man.

*Michelle Spence*  
Notary Public

My Commission Expires:

2-20-89

[SEAL]

STATE OF Arizona )  
County of Pima ) ss:

See The foregoing instrument was acknowledged before me this  
6 day of February, 1988, by James D. Loghry and Margaret R.  
Loghry, husband and wife.

Paulie Brown  
Notary Public

My Commission Expires:

8/29/88

[SEAL]

STATE OF \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss:

The foregoing instrument was acknowledged before me this  
\_\_\_\_ day of February, 1988, by Richard J. Lundin and Vicki J.  
Lundin, husband and wife.

\_\_\_\_\_  
Notary Public

My Commission Expires:

\_\_\_\_\_

[SEAL]

STATE OF \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss:

The foregoing instrument was acknowledged before me this  
\_\_\_\_ day of February, 1988, by James D. Loghry and Margaret R.  
Loghry, husband and wife.

\_\_\_\_\_  
Notary Public

My Commission Expires:  
\_\_\_\_\_

[SEAL]

STATE OF Arizona )  
County of Yavapai ) ss:

8th The foregoing instrument was acknowledged before me this  
day of February, 1988, by Richard J. Lundin and Vicki J.  
Lundin, husband and wife.

Leticia Nashburn  
Notary Public

My Commission Expires:  
My Commission Expires April 22, 1990  
\_\_\_\_\_

[SEAL]

STATE OF COLORADO                    )  
  ) ss:  
County of Jefferson                 )

The foregoing instrument was acknowledged before me this  
5<sup>th</sup> day of February, 1988, by R. T. Agar, the President of  
American Copper & Nickel Company, Inc., a Minnesota corporation,  
on behalf of the corporation.

Joy K. Moseley  
Notary Public

My Commission Expires:

February 11, 1991

[SEAL]





EXHIBIT A

PROPERTY

All those certain unpatented mining claims situate in Section 32, Township 4 North, Range 20 West, and Section 5, Township 3 North, Range 20 West, La Paz County, Arizona, and recorded in the county records at the book and page shown, and with the Bureau of Land Management under the serial number shown, as follows:

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SE #2	1168	645-46	AMC105415
SE #3	1168	647-48	AMC105416
SE #4	1168	649-50	AMC105417
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SE #12	1168	665-66	AMC105425
SE #13	1168	667-68	AMC105426
SE #14	1168	669-70	AMC105427
SE #15	1168	671-72	AMC105428
SE #16	1168	673-74	AMC105429
SE #17	1168	675-76	AMC105430
SE #18	1168	677-78	AMC105431
SE #19	1168	679-80	AMC105432
SE #20	1168	681-82	AMC105433
SE #21	1168	683-84	AMC105434
SE #22	1168	685-86	AMC105435
SE #101	1303	729-30	AMC186704
SE #102	1303	731-32	AMC186705
SE #103	1303	733-34	AMC186706
SE #104	1303	735-36	AMC186707
SE #105	1303	737-38	AMC186708
SE #106	1303	739-40	AMC186709
SE #107	1303	741-42	AMC186710
SE #108	1303	743-44	AMC186711
SE #109	1303	745-46	AMC186712
SE #110	1303	747-48	AMC186713
SE #111	1303	749-50	AMC186714

SE #112	1303	751-52	AMC186715
SE #113	1303	753-54	AMC186716
SE #114	1303	755-56	AMC186717
SE #115	1303	757-58	AMC186718
SE #116	1303	759-60	AMC186719
SE #117	1303	761-62	AMC186720
SE #118	1303	763-64	AMC186721
SE #119	1303	765-67	AMC186722
SE #120	1303	768-70	AMC186723

Together with all extralateral rights, water rights, and appurtenances.

EXHIBIT B

MINING LEASE WITH OPTION TO PURCHASE  
(Unpatented Claims)

This Agreement, effective as of the \_\_\_\_ day of  
\_\_\_\_, 19\_\_\_\_, is between

Heinrichs GEOEXploration Company,  
an Arizona corporation  
810 West Grant Road  
Tucson, Arizona 85705

• William C. Hirt,  
a single man  
639 South 500 East  
Salt Lake City, Utah 84102

James D. and Margaret R. Loghry,  
husband and wife  
2121 East Monte Vista Drive  
Tucson, Arizona 85719

Richard J. and Vicki J. Lundin,  
husband and wife  
372 Hackberry Circle  
Prescott, Arizona 86303

(Collectively, the "Owner")

AND

American Copper & Nickel Company, Inc.,  
a Minnesota corporation  
4860 Robb Street, Suite 201  
Wheat Ridge, Colorado 80033

("ACNC")

Recitals

Owner represents that it is the owner of and is in possession of forty two (42) unpatented mining claims in La Paz County, Arizona known as the "Stray Elephant Property" (the "Property"), more particularly described in Exhibit A attached hereto and incorporated by reference herein.

Owner has record title to the Property as stated above and in paragraph 6, entitled "Undivided Interest," and Owner has equitable title to the Property in "Stray Elephant Partners."

ACNC desires to obtain and Owner is willing to grant an exclusive exploration right containing an exclusive option to lease the Property.

NOW THEREFORE, in consideration of a total of Sixty Thousand Dollars (\$60,000.00) advance minimum royalty in hand paid to Owner, the receipt and sufficiency of which are hereby acknowledged, and further in consideration of the mutual covenants, agreements, and promises herein contained, the parties hereto agree as follows:

1. Lease. Owner leases the Property to ACNC, together with all appurtenances and water rights incident thereto and all improvements and personal property thereon.

2. Additional Property. (a) Except for a block of thirty six (36) unpatented mining claims to be leased to Cyprus Metals Company (SE #23-52 and 57-62), Owner represents that it has no interest in any mining property, water rights, or fee lands (except the Property) within one (1) mile from the boundaries of the Property described in Exhibit A. If it appears that Owner has any such interest, the interest shall, at ACNC's option, be deemed a part of the Property for the purposes of this Agreement.

(b) If during the term of this Agreement, Owner locates or otherwise acquires an interest in any mining property, water rights, or fee lands within the area described in the foregoing subparagraph (a), the interest shall, at ACNC's option, be deemed a part of the Property for the purposes of this Agreement. This option shall not apply to properties or rights acquired by Owner through the party or parties leasing the SE #23-52 and 57-62 unpatented mining claims.

3. Term. The term of this Agreement shall be twenty (20) years from the date hereof and the term shall continue so long thereafter as ACNC continues to produce minerals from the Property, unless sooner surrendered or otherwise terminated, or until the earlier exercise of the option granted by paragraph 20, entitled "Option to Purchase."

4. Exclusive Possession. ACNC shall have the exclusive possession of the Property during the term of this Agreement.

5. Title. (a) Owner warrants that it is in possession of the Property, that it has the right to enter into this Agreement, that it knows of no other person claiming any interest in the Property or the ground covered thereby, and that the Property is free from all liens and encumbrances, except liens for property taxes not yet due and payable. Owner further warrants to ACNC the quiet enjoyment of the Property and the right to explore, develop, and mine the same.

(b) Owner represents that when this Agreement has been executed by all five of the individuals and the corporation collectively referred to as "Owner," this Agreement is binding on the "Stray Elephant Partners" and no further approval of any other party is required.

(c) Owner warrants that the unpatented mining claims included in the Property have been properly located, and that for each assessment year assessment work has been performed (or other steps taken in accordance with the law) for the benefit of the claims. Owner warrants and will defend title to the Property against all persons whomsoever.

(d) Owner shall provide ACNC with recording data with respect to location notices and certificates, affidavits of annual labor, deeds, easements, or other documents which bear upon Owner's title to the Property, and shall provide ACNC with copies of all such documents and all title reports and abstracts in Owner's possession or control. Owner shall, upon ACNC's request, record any such document in Owner's possession or control which has not been recorded.

(e) At ACNC's request, Owner shall take all action necessary (including judicial proceedings) to remove any cloud from or cure any defect in his title to the Property or the ground covered thereby. If Owner fails or refuses to take any such action, ACNC may take any such action in Owner's name. Owner agrees to cooperate with ACNC in any such action taken. ACNC may recover from Owner or from any payments thereafter to become due to Owner hereunder all costs and expenses (including attorneys' fees) incurred by ACNC in any such action. If the United States or any third person attacks the validity of any unpatented mining claim included in the Property for any reason except ACNC's failure to comply with its obligation to perform assessment work pursuant to this Agreement, ACNC shall have no obligation to defend the validity of the claim.

6. Undivided Interest. (a) (a) The Property is owned by the following parties as tenants in common:

Heinrichs GEOEXploration Company,  
undivided 25%;

William C. Hirt,  
undivided 25%;

James D. and Margaret R. Loghry,  
undivided 25%; and

Richard J. and Vicki J. Lundin,  
undivided 25%.

(b) If the interest claimed by Owner in any portion of the Property is less than one hundred percent (100%), the interest claimed by Owner is set forth in Exhibit A. Any representation or warranty of title made by Owner shall apply only to the interest set forth in Exhibit A.

7. Royalty. (a) ACNC shall pay to Owner a minimum royalty in the amount of Sixty Thousand Dollars (\$60,000.00) per year on the anniversary date of this Agreement. These minimum royalty payments shall be in lieu of any obligation on the part of ACNC, express or implied, to explore or develop the Property or perform any work thereon except assessment work.

(b) ACNC shall pay to Owner a royalty of ten percent (10%) of the Net Proceeds from all ores, minerals, concentrates, or other products mined and removed from the Property and sold or processed by ACNC. There shall be credited against the production royalty payments provided for in this subparagraph

(b) all minimum royalties theretofore paid pursuant to the foregoing subparagraph (a).

(c) "Gross Revenue" means all revenue resulting from the production and sale of minerals or mineral products from the Property. If minerals or mineral products are sold in an arms length transaction, the Gross Revenue shall be the value of sales at the point of sale, less all discounts, rebates, or other allowances given in connection with such sale. If the minerals or mineral products are not sold through an arms length transaction but are further processed by ACNC or an affiliate, Gross Revenue from such minerals or mineral products shall be deemed to be the value at the point in time and place of sale or shipment for further processing as determined in the trade for concentrate sold to a smelter.

(d) Production Royalty shall be payable on the "Net Proceeds." Net Proceeds means Gross Royalty Revenue less: (i) state mining taxes; (ii) all exploration and development expenditures on the Property subsequent to the achievement of commercial production

for that period of time that the royalty is being calculated as determined under generally accepted accounting principles; (iii) all operating costs in connection with the Property or any mine, mill or other facility located thereon; and (iv) a Capital Charge.

There shall be a "Capital Charge" in lieu of any other recoupment of expenditures for capital facilities on the Property. All capital expenditures of any nature whatsoever shall be separately identified, and there shall then be a depreciation schedule attached for each such expenditure. Such depreciation charges shall be no greater than the maximum amount allowable by the United States Internal Revenue Code, as amended, and the amount of the capital charge shall be the sum of all such depreciation charges, pro rated for the applicable period.

(e) All royalty payments with respect to ores, minerals, or other products which are sold by ACNC in the crude state or as concentrates or other intermediate products shall be made on or before the 25th day of the month following the calendar quarter in which payment is received for such ores, minerals, or other products. All royalty payments with respect to ores, minerals, or other products which are processed by or for the account of ACNC to produce concentrates or other salable intermediate products which are smelted or otherwise further processed by or for the account of ACNC shall be made on or before the 25th day of the month following the calendar quarter in which such ores, minerals, or other products are first processed. All royalty payments shall be accompanied by a statement indicating the amount of ores, minerals, concentrates, or other products sold or processed and the computation of the royalty being paid.

(f) Within ninety (90) days after the end of ACNC's fiscal year, ACNC will furnish an unaudited year end statement showing the amount of royalties paid Owner during the fiscal year. All year end statements shall be conclusively presumed true and correct after the expiration of twelve (12) months from the date furnished, unless within the twelve-month period Owner takes written exception, specifying with particularity the items excepted to and the ground for each exception. Owner shall be entitled to an annual independent audit of the matters covered by the statement, at its expense, provided it selects for the audit an accounting firm of recognized standing, at least one of whose members is a member of the American Institute of Certified Public Accountants.

(f) If at any time during the term of this Agreement it appears that one or more third parties may have a claim of ownership in the Property, the minerals lying in or under the Property, or



royalties or other payments with respect to the Property, ACNC may withhold from any payments which would otherwise be due to Owner under the terms of this Agreement an amount sufficient to satisfy the claims. ACNC shall deposit the amount withheld in escrow, giving notice of the deposit to Owner, the amount to remain in escrow until the controversy is resolved by decision of a court or otherwise. Owner shall pay when due and before delinquent all taxes required by this Agreement to be paid by Owner and all mortgage and other payments required to preserve Owner's interest in the Property. Owner shall furnish ACNC with receipts or other evidence of such payments. If at any time during the term of this Agreement it appears that any one or more third parties may have a claim against the Property by reason of any tax, mortgage, or other lien, ACNC may pay any past due payments and shall be subrogated to all rights of the holder against Owner. If ACNC makes any payments to one or more third parties as a result of any claim of ownership, tax, mortgage, or lien, either by way of contract, settlement, compromise, pursuant to final judgment of any court of record, or otherwise, ACNC may recover from Owner or from any payments thereafter to become due to Owner hereunder the amount of any payment and all costs and expenses (including attorneys' fees) incurred by ACNC in connection with the claim of ownership, tax, mortgage, or lien.

(h) If ACNC stockpiles any ores, minerals, or other products upon other property for a period longer than six (6) months, ACNC shall pay Owner a provisional royalty of ninety percent (90%) of the estimated royalty. When such ores, minerals, or other products are sold or processed by ACNC, ACNC shall pay to or recover from Owner the difference between the provisional royalty paid and the amount of royalty determined as provided in subparagraphs (c) and (d), above.

(i) Owner shall have the right to take its Net Proceeds royalty "in kind." Such election shall be a one time election that can be made on ninety (90) days written notice at any time during the term of this Agreement, effective at the beginning of a calendar year.

8. Stockpiling. ACNC may stockpile any ores, minerals, or other products produced from the Property at such place or places as ACNC may elect, either upon the Property or upon other property.

9. Commingling. ACNC may commingle ore, minerals, concentrates, or other products from the Property ("Subject Ore") with ore, minerals, concentrates, or other products from other property ("Other Ore"). Before commingling, ACNC shall weigh and sample the Subject Ore and Other Ore in accordance



with sound mining and metallurgical practice for moisture and metal content and assay the samples to determine metal content. ACNC shall keep records showing weights, moisture, percent metal content, and gross metal content of the Subject Ore and Other Ore. Royalties shall be allocated between Subject Ore and Other Ore on the basis of gross metal content, with regard being given to the difference, if any, between the royalty rate on Subject Ore and the royalty rate on Other Ore.

10. Payments. All payments made to Owner shall be made to the parties identified in paragraph 6, entitled "Undivided Interest," in proportion to the parties' undivided interest in the Property. ACNC shall make all payments due Owner hereunder by check, which shall be made payable to and shall be transmitted to Heinrichs GEOEXploration Company at its address for notice. Upon making such payments, ACNC shall be deemed to have made the payments to Owner, its heirs, representatives, successors, and assigns, and thereupon ACNC shall be discharged to the extent thereof as if the payments had been made directly to each individual Owner, or to any person, firm or corporation entitled thereto, and ACNC shall not be liable for the ultimate distribution or receipt of any payment or payments.

11. Operations. (a) During the term of this Agreement, ACNC shall have free and unrestricted access to the Property, and shall have the right (i) to explore, develop, and mine the Property, and to extract, remove, and sell or otherwise dispose of for its own account any and all ores, minerals, concentrates, or other products, (ii) to remove ores, air, water, waste, and materials from the Property by means of underground or surface operations on or in the Property, (iii) to deposit ores, water, waste, and materials from the Property or other property on or in the Property, and to use any part of the Property for waste dumps and tailings disposal areas, (iv) to conduct on or in the Property general mining, milling, processing, and related operations respecting the Property and other property, and to use any part of the Property for any purposes incident to such operations, and (v) to erect, construct, use, and maintain on the Property such roads, buildings, structures, machinery, equipment, personal property, fixtures, and improvements as may be necessary or convenient for the conduct of ACNC's operations.

(b) ACNC shall conduct all operations on the Property in a good and workmanlike manner and in accordance with accepted mining practice. All decisions with respect to exploration, development, and mining of the Property and the selling of ores, minerals, concentrates, or other products from the Property, including all decisions regarding the commencement, suspension, resumption, or termination of any operations, shall be made by ACNC in its sole discretion. ACNC may sell ores, minerals,

concentrates, or other products, and may stockpile ores, minerals, concentrates or other products for any length of time before selling the same. There are no covenants or agreements regarding these matters other than those expressly set forth herein.

(c) ACNC may use any mining method, whether or not the method is in general use at the time of the execution of this Agreement, including, without limitation, underground mining (including methods, such as block caving, which result in the disturbance or subsidence of the surface), surface mining (including strip mining, open pit mining, and dredging), and in situ mining (including solution mining, leaching, gasification, and liquefaction).

(d) ACNC shall comply with all laws and regulations governing its operations on the Property. If this Agreement is inconsistent with or contrary to any law or regulation, the law or regulation shall control and this Agreement shall be deemed to be modified accordingly.

12. Dumps and Tailings. All dumps, tailings, or residue remaining after mining, milling, or subsequent processing of ores, minerals, concentrates, or other products from the Property shall be the sole and exclusive property of ACNC, unless such dumps, tailings, or residue remain upon the Property after the period of time provided for in paragraph 23, entitled "Removal of Property", in which case the dumps, tailings, or residue shall be the property of Owner.

13. No Implied Covenants. No covenants or conditions relating to the exploration, development, mining, or related operations on or in connection with the Property, or the timing thereof, other than those expressly provided in this Agreement, shall be implied. After commencing any exploration, development, mining or related operations on or in connection with the Property, ACNC may in its sole discretion curtail or cease such operations so long as it continues to make any payments due Owner under this Agreement.

14. Protection from Liens and Damages. ACNC shall keep the Property free of liens for labor performed or materials or merchandise furnished for use on the Property under this Agreement, and shall hold Owner harmless from all costs, loss, or damage which may result from any work or operations of ACNC or its occupancy of the Property.

15. Taxes. Owner shall pay all taxes levied against the Property prior to the date of this Agreement. ACNC shall pay or reimburse Owner for all taxes levied against the Property during

the term of this Agreement. In the case of taxes for the calendar year in which this Agreement commences, and for the calendar year in which this Agreement ends, there shall be an apportionment between the parties, ACNC to bear the proportion of taxes upon the Property applicable to the part of the calendar year included hereunder, and Owner to bear the balance of the taxes. ACNC shall pay all taxes levied during the term of this Agreement against all buildings, structures, machinery, equipment, personal property, fixtures, and improvements placed upon the Property by ACNC, and all taxes levied against ACNC as an employer of labor. All taxes shall be paid when due and before delinquent, but ACNC shall be under no obligation to pay any tax so long as the tax is being contested in good faith and by appropriate legal proceedings and the nonpayment thereof does not adversely affect any right, title, or interest of Owner in or to the Property.

16. Insurance. ACNC shall carry at all times during the term of this Agreement worker's compensation and other insurance required by state laws and mining regulations.

17. Inspection. (a) Owner or its authorized representative may enter on the Property at any reasonable time for the purpose of inspection, but shall enter at Owner's own risk and so as not to hinder unreasonably the operations of ACNC. Owner shall indemnify and hold ACNC harmless from any damage, claim, or demand by reason of injury to or the presence of Owner, his agents or representatives on the Property.

(b) Owner or its authorized representative may, at any reasonable time, inspect any records pertinent and necessary for substantiating the compliance of ACNC with the provisions of this Agreement.

18. Data. (a) Upon the execution of this Agreement, Owner shall deliver to ACNC all drill core, all geological, geophysical, and engineering data and maps, logs of drill holes, results of assaying and sampling, and similar data concerning the Property (or copies thereof) which are in Owner's possession or control.

(b) Upon the surrender or other termination of this Agreement (except upon exercise of the option to purchase and payment of the full purchase price as provided in paragraph 20, entitled "Option to Purchase") ACNC shall, within sixty (60) days after termination, (i) return to Owner all drill core and original data delivered by Owner to ACNC which are then in ACNC's possession or control, and (ii) make available for inspection by Owner all factual geological and geophysical data and maps (not including interpretive data), logs of drill holes, drill core

and results of assaying and sampling pertaining to the Property which ACNC has obtained as a result of its exploration work under this Agreement and which are then in ACNC's possession or control. Upon Owner's request made within sixty (60) days after termination of this Agreement, ACNC shall, at Owner's expense, provide Owner with the drill core designated by Owner and with copies of any portion of the factual geological and geophysical data and maps (not including interpretive data), logs of drill holes, and results of assaying and sampling designated by Owner. ACNC makes no representation or warranty as to the accuracy or completeness of any such data or information, and shall not be liable on account of any use by Owner or any other person of any such data or information. ACNC shall not be liable for the loss or destruction of any drill core.

19. Confidentiality. All information obtained by Owner or its authorized representatives from ACNC arising out of ACNC's activities on the Property pursuant to this Agreement shall be kept strictly confidential by Owner and shall not be released to any third party except upon the prior written consent of ACNC.

20. Option to Purchase. Owner grants to ACNC during the term of this Agreement until commencement of commercial production on the Property the sole and exclusive option to purchase the Property, together with all appurtenances and water rights incident thereto and all improvements and personal property thereon, free and clear of all liens and encumbrances, for a total purchase price of Three Million Dollars (\$3,000,000.00). The Three Million (\$3,000,000.00) purchase price shall be adjusted if the purchase option is exercised more than one month after the effective date of this Agreement. Such adjustment shall be the annual increase or decrease in the Consumer Price Index for all Urban Consumers, All Items Index-- U. S. City Average, as published by the Bureau of Labor Statistics, U. S. Department of Labor (the "Index") between the monthly Index for the month of the effective date of this Agreement and the last published Index before the month of the exercise of the Option to Purchase. ACNC shall be entitled to a credit against the purchase price for all amounts paid as minimum royalty under the provisions of paragraph 7, entitled "Royalty", and for all costs and expenses incurred under the provisions of paragraph 5, entitled "Title", and the balance will be payable within thirty (30) days after ACNC gives notice that it elects to exercise the option to purchase.

21. Escrow. Contemporaneously with the execution of this Agreement, Owner shall execute, acknowledge, and deliver to an escrow agent selected by ACNC (the "Escrow Agent") a general warranty deed conveying the Property to ACNC. Owner and ACNC hereby appoint the Escrow Agent to receive and distribute all



payments and to hold the deed and deliver it to the party entitled hereunder to receive the same. The parties hereto agree to execute escrow instructions reasonably requested by the Escrow Agent.

22. Termination and Surrender. (a) If ACNC fails to comply with any of the provisions of this Agreement, including the paragraph entitled "Royalty", and if ACNC does not initiate and diligently pursue steps to correct the default within thirty (30) days after notice has been given to it by Owner specifying with particularity the nature of the default, then upon the expiration of the thirty-day period, all rights of ACNC under this Agreement (except as provided in paragraphs 23 and 24, entitled "Removal of Property" and "Access") shall terminate, and all liabilities and obligations of ACNC (except liabilities existing on the date of termination, except as provided in paragraph 18, entitled "Data", and except liability for payments under paragraph 7, entitled "Royalty" then due or, in the case of production royalties, then accrued) shall terminate. Any default claimed with respect to the payment of money may be cured by the deposit in escrow of the amount in controversy (not including claimed consequential, special, exemplary, or punitive damages) and giving of notice of the deposit to Owner, the amount to remain in escrow until the controversy is resolved by decision of a court or otherwise. If ACNC by notice to Owner disputes the existence of a default, then this Agreement shall not terminate unless ACNC does not initiate and diligently pursue steps to correct the default within thirty (30) days after the existence of a default has been determined by decision of a court or otherwise.

(b) Subject to the right of Owner to terminate this Agreement as provided in the foregoing subparagraph (a), controversy between the parties hereto shall not interrupt performance of this Agreement or the continuation of operations hereunder. In the event of any controversy, ACNC may continue operations hereunder and shall make the payments provided for herein notwithstanding the existence of the controversy. Upon the resolution of the controversy, such payments or restitutions shall be made as required by the terms of the decision of the court or otherwise.

(c) ACNC may at any time terminate this Agreement as to all or any part of the Property by delivering to Owner or by filing for record in the appropriate office (with a copy to Owner) a good and sufficient Surrender of this Agreement or a Partial Surrender describing that portion of the Property as to which this Agreement is surrendered. Upon mailing the Surrender or Partial Surrender to Owner or to the appropriate office, all rights of ACNC under this Agreement with respect to the portion

of the Property as to which this Agreement is terminated (except as provided in paragraphs 23 and 24, entitled "Removal of Property" and "Access") shall terminate and all liabilities and obligations of ACNC with respect to the portion of the Property as to which this Agreement is terminated (except liabilities existing on the date of termination, except as provided in paragraph 18, entitled "Data", and except liability for payments under paragraph 7, entitled "Royalty" then due or, in the case of production royalties, then accrued) shall terminate.

23. Removal of Property. For a period of six (6) months after the termination of this Agreement ACNC shall have the right (but not the obligation) to remove from the Property all broken or stockpiled ore, minerals, concentrates, or other products (subject to the payment of the royalties provided for in this Agreement), dumps, tailings, and residue, and all buildings, structures, machinery, equipment, personal property, fixtures, and improvements owned by ACNC or erected or placed on or in the Property by ACNC, except mine timbers in place. ACNC may keep one or more watchmen on the Property during the six-month period.

24. Access. For as long as necessary after termination of this Agreement, ACNC shall have the right of access to and across the Property for reclamation purposes.

25. Easements. If requested by ACNC during the term of this Agreement, Owner, subject to any required permission or allowed restrictions of the party or parties leasing the SE #23-52 and 57-62 unpatented mining claims, shall execute one or more instruments granting to ACNC without cost to ACNC easements upon, over, or through the Property or upon, over, or through other property owned by Owner. Such easements shall be for the construction, maintenance, use, and removal of all facilities reasonably necessary or convenient for ACNC's operations on the Property or on other property.

26. Amendments, Relocations, and Patents. During the term of this Agreement, ACNC shall have the right (but not the obligation) to amend or relocate, in the name of Owner, any or all of the unpatented mining claims included in the Property, to locate placer claims on ground theretofore covered by lode claims and vice versa, to locate mill sites on ground theretofore covered by mining claims and vice versa, and to locate any fractions resulting from the location, amendment, or relocation of mining claims or mill sites. At the request of ACNC, Owner shall apply for a patent for any or all of the unpatented mining claims and mill sites. All expenses authorized by ACNC in connection with locating, amending, or relocating mining claims or mill sites or prosecuting patent

proceedings shall be borne by ACNC. The rights of ACNC under this Agreement shall extend to all such locations, amended locations, relocations, and patented mining claims and mill sites.

27. Compliance with Federal Land Policy and Management Act. (a) Owner warrants that the location notices or location certificates for the unpatented mining claims included in the Property have been properly filed in the proper office of the Bureau of Land Management pursuant to 43 U.S.C. § 1744(b).

(b) Owner warrants that evidence of assessment work or notices of intention to hold have been properly recorded in the proper county (or recording district) office and filed in the proper office of the Bureau of Land Management pursuant to § 314(a) of the Federal Land Policy and Management Act of 1976, 43 U.S.C. § 1744(a), as required, for each assessment year to and including the assessment year ending September 1, 1987.

28. Assessment Work. (a) Owner warrants that the annual assessment work required to hold the Property has been performed for the assessment year ending September 1, 1987. ACNC shall perform the assessment work for the benefit of the Property for the assessment year ending September 1, 1988, and for every assessment year thereafter in which ACNC continues this Agreement beyond the 1st day of June of the assessment year. If any court or governmental agency decides that the work performed by ACNC does not constitute the kind of work required by federal or state law, ACNC shall nevertheless be deemed to have complied with the terms of this Agreement if the work done by ACNC is of the kind generally accepted in the mining industry as assessment work under existing law.

(b) ACNC shall be relieved of its obligation to perform assessment work for any period in which assessment work is not required or is suspended, and ACNC shall have the benefit of subsequent laws enacted which relate to assessment work, including any laws extending the time within which to perform assessment work. For each year in which ACNC performs assessment work, it will record in the office where the location notice or location certificate is recorded, and in any other proper office in the county (or recording district) in which the claims are located, and in the proper office of the Bureau of Land Management, an affidavit of assessment work or other document complying with the requirements of state law and the Federal Land Policy and Management Act of 1976 and the regulations implementing and supplementing the Act.

(c) Owner represents that the Property is one contiguous group of mining claims, and agree that work on any one or more of the claims will be for the benefit of all of the claims.

29. Notices. All notices and other communications to either party shall be in writing and shall be sufficiently given if delivered in person or sent by certified or registered mail, return receipt requested, addressed as hereinafter set forth. Any notice given by or to Heinrichs GEOEXploration Company shall be notice by or to all Owners. Notices given by mail shall be deemed delivered as of the date of mailing. Until a change of address is communicated as indicated above, all notices to Owner shall be addressed:

Heinrichs GEOEXploration Company  
P. O. Box 5964  
Tucson, Arizona 85703-0964

Attention: Walter E. Heinrichs

and all notices to ACNC shall be addressed:

American Copper & Nickel Company, Inc.  
4860 Robb Street, Suite 201  
Wheat Ridge, Colorado 80033

Attention: R. T. Agar, President

30. Assignment. (a) The rights of either party hereunder may be assigned in whole or in part, subject to the provisions hereinafter set forth.

(b) No change or division in the ownership of the Property or the payments provided for herein, however accomplished, shall enlarge the obligations or diminish the rights of ACNC. Owner covenants that any change in his ownership shall be accomplished in such a manner that ACNC shall be required to make payments and to give notices to but one person, firm, or corporation, and upon breach of this covenant, ACNC may retain all monies otherwise due to Owner until the breach has been cured. No change or division in ownership shall be binding on ACNC until thirty (30) days after Owner has given ACNC a certified copy of the recorded instrument evidencing the change or division.

31. Force Majeure. (a) If ACNC shall be prevented by Force Majeure from timely performance of any of its obligations hereunder (except the payment of money to Owner), the failure of performance shall be excused and the period for performance and the term of this Agreement shall be extended for an additional period equal to the duration of the Force Majeure. Upon the



occurrence and upon the termination of any Force Majeure, ACNC shall promptly notify Owner. ACNC shall use reasonable diligence to remedy a Force Majeure, but shall not be required against its better judgment to settle any labor dispute or contest the validity of any law or regulation or any action or inaction of civil or military authority.

(b) "Force Majeure" means any cause beyond ACNC's reasonable control, including law or regulation; action or inaction of civil or military authority; inability to obtain any license, permit, or other authorization that may be required to conduct operations on or in connection with the Property; unusually severe weather; mining casualty; fire; explosion; flood; insurrection; riot; labor dispute; inability after diligent effort to obtain workmen or material; delay in transportation; acts of God; unavailability of a suitable market for the ores, minerals, concentrates, or other products from the Property; and excessive costs of mining, milling, processing or marketing, or insufficient prices available for the ores, minerals, concentrates, or other products produced from the Property, which render ACNC's operations uneconomic.

32. Short Form. Contemporaneously herewith, ACNC and Owner have executed and delivered a Short Form of Agreement. ACNC may record the Short Form of this Agreement.

33. Inurement. All covenants, conditions, limitations, and provisions herein contained apply to and are binding upon the parties hereto, their heirs, representatives, successors, and assigns.

34. Modification. No modification, variation, or amendment of this Agreement shall be effective unless the modification, variation, or amendment is in writing and is signed by Owner and ACNC.

35. Waiver. No waiver of any breach or default under this Agreement shall be effective unless the waiver is in writing and signed by the party against whom the waiver is claimed. No waiver of any breach or default shall be deemed to be a waiver of any other or subsequent breach or default.

36. Construction. The paragraph headings are for convenience only, and shall not be used in the construction of this Agreement. The term "Owner" shall be deemed to be singular or plural, and shall be deemed to be masculine or feminine, or both, or neuter, whenever the construction of this Agreement so requires.

37. Governing Law. The formation, interpretation, and performance of this Agreement shall be governed by the law of the state of Arizona.

38. Invalidity. The invalidity of any provision of this Agreement shall not affect the enforceability of any other provision of this Agreement.

39. Counterparts. This Agreement may be executed by any number of counterparts, each of which shall be deemed to be an original. If any person named as one of the Owners does not execute this Agreement, it nevertheless shall be binding upon those persons executing it.

40. Additional Documents. Owner will provide ACNC with such additional documents as may be necessary to carry out the purposes of this Agreement. If conditions change by reason of conveyances, assignments, or other matters relating to the title to or description of the Property, Owner and ACNC shall execute amendments of this Agreement and the Short Form of Agreement, and any other documents which may be necessary to reflect such changed conditions.

41. Entire Agreement. This Agreement sets forth the entire agreement of the parties and, except as herein expressly provided, supersedes all previous and contemporaneous agreements, representations, warranties, or understandings, written or oral.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the date first above written.

Heinrichs GEOEXploration Company

By: \_\_\_\_\_  
Walter E. Heinrichs,  
President

[SEAL]

Attest: \_\_\_\_\_  
Secretary

EIN: \_\_\_\_\_

\_\_\_\_\_  
William C. Hirt  
SSN: \_\_\_\_\_

\_\_\_\_\_  
James D. Loghry  
SSN: \_\_\_\_\_

\_\_\_\_\_  
Margaret R. Loghry  
SSN: \_\_\_\_\_

\_\_\_\_\_  
Richard J. Lundin  
SSN: \_\_\_\_\_

\_\_\_\_\_  
Vicki J. Lundin  
SSN: \_\_\_\_\_

AMERICAN COPPER & NICKEL COMPANY,  
INC.

By: \_\_\_\_\_  
R. T. Agar, President  
Director of Exploration--USA

STATE OF \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss:

The foregoing instrument was acknowledged before me this  
\_\_\_\_ day of \_\_\_\_\_, 19\_\_, by Walter E. Heinrichs,  
the President of Heinrichs GEOExploration Company , an Arizona  
corporation, on behalf of the corporation.

\_\_\_\_\_  
Notary Public

My Commission Expires:  
\_\_\_\_\_

[SEAL]

STATE OF \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss:

The foregoing instrument was acknowledged before me this  
\_\_\_\_ day of \_\_\_\_\_, 19\_\_, by William C. Hirt, a single  
man.

\_\_\_\_\_  
Notary Public

My Commission Expires:  
\_\_\_\_\_

[SEAL]

STATE OF \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss:

The foregoing instrument was acknowledged before me this  
\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, by James D. Loghry and  
Margaret R. Loghry, husband and wife.

\_\_\_\_\_  
Notary Public

My Commission Expires:

\_\_\_\_\_

[SEAL]

STATE OF \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss:

The foregoing instrument was acknowledged before me this  
\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, by Richard J. Lundin and Vicki  
J. Lundin, husband and wife.

\_\_\_\_\_  
Notary Public

My Commission Expires:

\_\_\_\_\_

[SEAL]

STATE OF COLORADO                    )  
  ) ss:  
County of \_\_\_\_\_)

The foregoing instrument was acknowledged before me this  
\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, by R. T. Agar, the  
President of American Copper & Nickel Company, Inc., a Minnesota  
corporation, on behalf of the corporation.

\_\_\_\_\_  
Notary Public

My Commission Expires:

\_\_\_\_\_

[SEAL]

## EXHIBIT A

### PROPERTY

All those certain unpatented mining claims situate in Section 32, Township 4 North, Range 20 West, and Section 5, Township 3 North, Range 20 West, La Paz County, Arizona, and recorded in the county records at the book and page shown, and with the Bureau of Land Management under the serial number shown, as follows:

<u>Name of Claim</u>	<u>Book</u>	<u>Page</u>	<u>B.L.M. Serial No.</u>
SE #1	1168	643-44	AMC105414
SE #2	1168	645-46	AMC105415
SE #3	1168	647-48	AMC105416
SE #4	1168	649-50	AMC105417
SE #5	1168	651-52	AMC105418
SE #6	1168	653-54	AMC105419
SE #7	1168	655-56	AMC105420
SE #8	1168	657-58	AMC105421
SE #9	1168	659-60	AMC105422
SE #10	1168	661-62	AMC105423
SE #11	1168	663-64	AMC105424
SE #12	1168	665-66	AMC105425
SE #13	1168	667-68	AMC105426
SE #14	1168	669-70	AMC105427
SE #15	1168	671-72	AMC105428
SE #16	1168	673-74	AMC105429
SE #17	1168	675-76	AMC105430
SE #18	1168	677-78	AMC105431
SE #19	1168	679-80	AMC105432
SE #20	1168	681-82	AMC105433
SE #21	1168	683-84	AMC105434
SE #22	1168	685-86	AMC105435
SE #101	1303	729-30	AMC186704
SE #102	1303	731-32	AMC186705
SE #103	1303	733-34	AMC186706
SE #104	1303	735-36	AMC186707
SE #105	1303	737-38	AMC186708
SE #106	1303	739-40	AMC186709
SE #107	1303	741-42	AMC186710
SE #108	1303	743-44	AMC186711
SE #109	1303	745-46	AMC186712
SE #110	1303	747-48	AMC186713
SE #111	1303	749-50	AMC186714

SE #112	1303	751-52	AMC186715
SE #113	1303	753-54	AMC186716
SE #114	1303	755-56	AMC186717
SE #115	1303	757-58	AMC186718
SE #116	1303	759-60	AMC186719
SE #117	1303	761-62	AMC186720
SE #118	1303	763-64	AMC186721
SE #119	1303	765-67	AMC186722
SE #120	1303	768-70	AMC186723

Together with all extralateral rights, water rights, and appurtenances.



# SKYLINE LABS, INC.

SPECIALISTS IN EXPLORATION GEOCHEMISTRY

12090 WEST 50TH PLACE • WHEAT RIDGE, COLORADO 80033 • TEL: (303) 424-7718

## REPORT OF ANALYSIS

Surface Samples

JOB NO. DBB 550  
December 11, 1987  
P.O. NO. 103-220  
BATCH NO. 1000

American Copper and Nickel Co., Inc.  
Attn: M. Mason  
4860 Robb Street  
Wheat Ridge, Colorado 80033

### Analysis of 17 Pulps

ITEM	SAMPLE NO.	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)	Hg (ppm)	
1	131376	.200	.10	12.	<1.	.02	SE Property
2	131377	.640	.70	120.	2.	.27	
3	131378	.014	.45	90.	1.	.02	
4	131379	.025	1.20	105.	<1.	.04	
5	131380	.012	.10	2.	1.	.02	
6	131381	.045	2.00	6.	<1.	.12	
7	131382	2.500	1.30	80.	3.	.04	
8	131383	1.100	1.70	55.	<1.	.43	
9	131384	.300	1.30	75.	9.	.06	
10	131385	.016	.20	10.	2.	.02	
11	131386	.035	.40	28.	<1.	.04	
12	131387	.020	.05	16.	<1.	.03	
13	131388	.012	.40	6.	1.	.03	
14	131389	.050	.50	>1000.	>1000.	.02	
15	131390	.030	.65	>1000.	>1000.	.03	
16	131391	.450	1.90	>1000.	>1000.	.03	
17	131392	.025	<.05	110.	65.	.03	

*Gordon H. VanSickle*  
Gordon H. VanSickle  
Manager

cc: J. Lukens, Sparks

RECEIVED

DEC 14 1987

AMERICAN COPPER & NICKEL CO., INC.  
RENO

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ITEM	SAMPLE NO.	Au (ppm)
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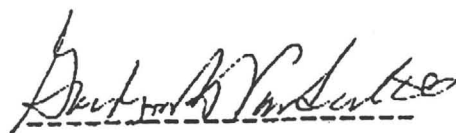
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21	138015	1.000
22	138016	.520
23	138017	3.700 - vein grab
24	138018	1.800
25	138019	.045
26	138020	.170
27	138021	.680
28	138022	.005
29	138023	.230
30	138024	.330
31	138025	.020
32	138026	.014
33	138027	.014
34	138028	.010
35	138029	.002
36	138030	.002

Senator  
Property

SE Claims

9  
17  
29

  
Gordon H. VanSickle  
Manager

cc: Mel Lahr, Sparks

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH JML 3-1-2 HCL-HNO3-H2O AT 95 DEC. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.  
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: DEC 15 1987 DATE REPORT MAILED: Dec 17/87 ASSAYER: A. J. DEAN TOYE, CERTIFIED B.C. ASSAYER

AMERICAN COPPER & NICKEL PROJECT-103-220 #1000 File # 87-6182

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	M6	BA	TI	B	AL	NA	K	M
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
131376	89	104	108	81	.1	3	11	531	5.13	7	5	ND	18	310	1	2	2	16	.10	.027	14	65	.09	78	.01	9	.79	.05	.28	1
131377	15	789	67	1244	1.1	52	76	420	26.55	135	7	5	11	64	1	2	8	78	.23	.073	7	22	.37	63	.03	17	1.11	.08	.17	1
131378	16	54	39	24	.6	1	4	82	4.79	57	5	ND	8	63	1	2	3	5	.31	.017	13	70	.07	96	.01	16	.43	.02	.18	1
131379	8	106	37	21	1.2	2	5	127	9.64	106	5	ND	17	113	1	2	3	13	.43	.018	8	22	.07	137	.01	20	.59	.02	.22	1
131380	14	18	9	6	.3	3	1	46	1.46	6	7	ND	3	18	1	3	2	2	.16	.007	4	183	.01	23	.04	13	.07	.02	.08	1
131381	11	63	15	15	2.5	1	3	60	4.97	11	5	ND	16	129	1	2	2	3	.14	.034	34	27	.03	91	.01	6	.40	.03	.35	1
131382	17	274	98	43	1.5	1	13	466	18.32	99	5	4	24	193	1	5	11	16	.41	.060	19	36	.06	101	.01	9	.45	.02	.21	1
131383	9	443	34	66	2.3	2	25	2756	9.66	69	5	2	25	126	1	2	12	12	.20	.043	18	22	.06	122	.01	9	.67	.01	.27	1
131384	23	366	270	32	1.5	1	34	1601	13.68	96	7	ND	21	285	1	9	9	22	.46	.061	24	65	.09	77	.01	21	.53	.04	.22	1
131385	5	54	69	23	.2	1	3	95	2.90	15	5	ND	9	61	1	2	2	8	.14	.011	12	37	.08	44	.01	11	.38	.13	.21	1
131386	6	52	101	26	.6	1	8	180	24.79	36	5	ND	3	188	1	2	2	5	.56	.031	8	20	.03	23	.02	3	.18	1.26	2.11	8
131387	23	117	45	54	.3	2	6	183	10.79	22	6	ND	18	96	1	3	4	46	.27	.019	17	33	.05	71	.01	7	.54	.21	.29	1
131388	12	29	129	68	.3	13	14	283	8.54	14	5	ND	11	85	1	5	11	47	.25	.038	17	60	.65	124	.07	71	1.02	.09	.61	1
131389	114	1034	2753	117	.6	3	5	407	7.12	1024	5	ND	14	90	1	1005	43	18	.11	.009	4	43	.06	151	.01	13	.40	.06	.15	1
131390	60	441	6685	95	.9	2	2	55	1.50	1943	15	ND	6	56	4	897	110	4	.05	.005	3	136	.02	126	.01	8	.27	.05	.13	1
131391	61	1521	12015	116	2.3	5	4	439	4.97	2619	5	ND	6	85	2	1914	104	7	.04	.008	4	53	.03	19	.01	8	.40	.04	.13	1
131392	12	70	559	6	.2	1	2	49	1.82	133	5	ND	29	14	1	64	2	2	.04	.005	14	103	.04	46	.01	5	.33	.01	.28	1
STD C	20	63	40	132	7.5	70	31	1090	4.20	44	17	8	39	55	19	17	25	61	.46	.084	42	60	.93	181	.08	32	1.94	.06	.14	12

of 20

SE  
claims

# GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO<sub>3</sub>-H<sub>2</sub>O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MW FE CA P LA CR NG BA TI W AND LIMITED FOR NA K AND AL. AN DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPES: R-PULP AND ANALYSIS BY AA FROM 10 GRAM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: FEB 01 1988 DATE REPORT MAILED: Feb 9/88

AMERICAN COPPER & NICKEL PROJECT-103-220 #1008 File # 88-0288 Page 1

SAMPLE#	NO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	H6	BA	TI	B	AL	MA	K	PPM	PPB	PPY
131399	9	286	39	797	.9	18	107	1478	19.43	63	38	100	47	91	1	2	14	17	.23	.167	65	16	.09	133	.01	11	1.04	.10	.50	1	41	10
131400	49	124	39	44	.8	1	10	373	19.40	52	5	100	23	136	1	2	20	11	.66	.054	22	43	.05	27	.01	8	.39	.28	.94	1	21	30
131401	21	75	94	27	.6	2	4	145	6.63	40	5	100	19	92	1	2	3	5	.17	.021	18	23	.09	203	.01	32	.55	.06	.27	1	8	10
131402	11	26	10	26	.6	1	4	226	3.00	27	5	100	15	91	1	2	8	3	.25	.026	28	54	.07	47	.01	16	.39	.22	.35	1	12	5
131403	110	102	52	22	1.0	2	7	190	12.81	141	5	100	10	69	1	2	20	34	.46	.043	6	47	.08	107	.01	12	.33	.19	.44	2	7	10
131404	7	27	22	31	.1	1	2	103	2.27	32	5	100	20	48	1	2	2	7	.18	.034	38	74	.13	158	.01	5	.60	.07	.35	1	13	30
131405	4	53	247	46	1.6	1	4	185	4.48	38	5	100	18	67	1	2	9	7	.27	.044	29	30	.09	109	.01	6	.54	.23	.39	1	3	20
131406	6	100	107	17	.2	1	2	73	3.12	28	5	100	14	56	1	2	9	7	.36	.027	26	45	.10	96	.01	3	.60	.06	.24	1	1	10
131407	8	39	7	69	.1	4	5	300	2.34	6	5	100	23	112	1	2	2	4	.14	.052	34	33	.08	255	.01	9	.69	.12	.28	1	43	5
131408	14	59	104	21	.6	2	3	79	3.07	31	5	100	19	107	1	2	2	4	.35	.047	29	79	.08	96	.01	11	.49	.28	.28	1	6	5
131409	4	57	32	69	.1	2	5	90	3.04	68	5	100	22	117	1	2	2	6	.12	.038	41	22	.07	102	.01	11	.66	.11	.30	1	1	5
131410	10	87	66	34	.4	2	5	219	5.46	39	8	100	31	194	1	2	2	8	.14	.074	34	50	.09	80	.01	13	.60	.44	.47	1	5	10
131411	4	148	56	34	.1	3	10	663	3.34	16	5	100	21	68	1	2	6	5	.29	.047	32	30	.09	99	.01	4	.51	.04	.23	1	1	40
131412	20	31	222	15	.3	2	2	54	2.57	19	5	100	6	46	1	2	2	6	.15	.016	10	123	.03	130	.01	7	.21	.03	.18	1	16	50
131413	2	38	14	13	.1	1	3	93	4.91	27	5	100	24	97	1	2	2	8	.53	.045	30	21	.10	122	.01	6	.64	.23	.46	1	1	20
131414	5	63	9	30	.1	2	2	62	2.12	25	5	100	22	68	1	2	2	14	.46	.040	34	57	.12	121	.01	4	.64	.07	.22	1	1	5
131415	10	116	169	162	3.1	11	19	249	20.62	111	5	100	18	193	1	2	14	18	.11	.068	29	23	.05	17	.01	3	.26	1.39	.75	1	7	20
131416	24	24	10	8	.9	4	2	44	2.11	6	5	100	3	25	1	2	2	5	.12	.008	6	201	.01	118	.01	2	.08	.02	.07	1	65	190
131417	7	21	14	9	.4	2	2	66	2.96	23	5	100	11	92	1	2	2	4	.33	.012	12	42	.04	171	.01	11	.25	.08	.12	1	3	40
131418	120	215	715	31	7.6	3	6	446	4.68	122	5	100	13	86	1	34	128	6	.51	.049	11	107	.08	121	.01	4	.35	.15	.35	1	270	30
131419	73	181	256	72	.2	3	24	1684	4.73	23	5	100	19	63	1	2	2	6	.55	.064	17	53	.12	163	.01	5	.56	.02	.37	1	46	80
131420	20	136	1612	13	.6	1	1	55	1.96	70	5	100	9	56	1	3	5	3	.03	.030	19	91	.31	95	.01	26	.75	.03	.34	2	9	10
131421	26	937	2653	38	4.5	5	5	211	6.57	73	5	100	5	28	1	7	161	4	.09	.010	2	86	.03	18	.01	30	.33	.01	.04	5	76	20
131422	24	1880	1049	18	41.7	6	3	86	1.07	95	3	2	2	15	1	3	58	2	.39	.006	2	242	.06	96	.01	3	.15	.01	.06	6	1270	1300
131423	40	191	71	35	1.9	4	11	1163	5.34	23	5	2	8	50	1	8	2	7	.16	.022	7	93	.02	39	.01	6	.25	.05	.47	1	1140	10
131424	14	45	61	11	2.4	3	1	79	1.59	14	5	6	7	14	1	2	3	2	.10	.008	8	173	.05	63	.01	62	.27	.04	.17	1	5360	50
131425	4	85	24	15	.5	2	3	119	4.04	21	5	100	26	73	1	2	2	4	.84	.034	38	34	.05	47	.01	9	.54	.26	.33	1	121	10
131426	8	89	15	50	.1	3	4	192	1.60	12	5	100	16	56	1	2	2	4	.13	.024	26	65	.12	75	.01	14	.48	.08	.29	1	98	10
131427	3	56	23	14	1.0	2	2	79	2.85	9	5	100	18	82	1	2	2	4	.12	.038	34	37	.07	80	.01	3	.37	.17	.29	1	65	430
131428	6	49	24	33	.1	2	2	49	2.37	10	5	100	18	67	1	2	2	3	.11	.033	29	60	.12	74	.01	13	.49	.08	.26	1	11	70
131429	2	73	13	16	.5	1	3	120	4.21	16	5	100	9	78	1	2	2	6	.59	.021	17	21	.09	231	.01	6	.68	.03	.29	1	21	60
131430	9	54	149	18	4.9	1	6	178	16.62	20	5	100	7	105	1	2	11	8	.25	.029	10	58	.09	18	.01	4	.28	.85	.67	1	28	180
131431	6	51	326	5	7.9	3	1	81	1.96	8	5	100	11	29	1	2	2	2	.13	.015	8	83	.02	66	.02	2	.21	.06	.08	1	266	1000
131432	11	80	35	40	.7	2	3	202	2.78	36	5	100	6	132	1	2	12	5	.04	.008	10	34	.09	101	.01	11	.76	.10	.17	1	4	100
131433	10	83	24	12	2.1	2	4	80	6.31	48	5	100	28	300	1	2	2	8	.14	.030	35	30	.08	98	.01	5	.56	.34	.45	1	5	5
131434	117	47	54	36	.6	2	7	140	7.22	46	6	100	22	385	1	3	6	7	.70	.061	31	41	.12	80	.01	8	.74	.10	.68	1	1	20
131435	19	57	40	132	7.4	69	29	1127	4.16	44	22	8	37	48	18	21	23	56	.46	.087	39	57	.88	181	.07	38	.90	.08	.13	11	470	1400

AMERICAN COPPER & NICKEL PROJECT-103-220 #1008 FILE # 88-0288

SAMPLES	MO	CU	PB	ZN	AS	U	AU	TH	SR	CD	SO	BI	V	CA	P	LA	CR	MS	BA	TI	B	AL	MA	K	M	PPH	PPB	PPS	H6			
131433	30	53	33	86	.5	2	12	198	8.76	204	5	10	24	272	1	2	5	6	.48	.081	29	27	.67	159	.01	12	.49	.04	.27	1	17	10
131434	8	24	48	13	.9	1	5	100	11.26	87	5	10	15	182	1	2	10	8	.30	.035	32	44	.13	46	.01	16	.63	.69	.47	1	2	5
131437	6	34	21	9	.9	1	3	61	6.88	109	5	10	12	77	1	2	4	14	.20	.018	14	29	.09	102	.01	12	.42	.20	.53	1	39	5
131438	8	34	21	9	.9	1	3	61	6.88	109	5	10	12	77	1	2	4	14	.20	.018	14	29	.09	102	.01	12	.42	.20	.53	1	39	5
131438	8	34	21	9	.9	1	3	61	6.88	109	5	10	12	77	1	2	4	14	.20	.018	14	29	.09	102	.01	12	.42	.20	.53	1	39	5
131438	8	34	21	9	.9	1	3	61	6.88	109	5	10	12	77	1	2	4	14	.20	.018	14	29	.09	102	.01	12	.42	.20	.53	1	39	5
131438	8	34	21	9	.9	1	3	61	6.88	109	5	10	12	77	1	2	4	14	.20	.018	14	29	.09	102	.01	12	.42	.20	.53	1	39	5
131451	17	42	121	63	1.0	3	5	113	6.37	34	5	10	13	49	1	2	5	4	.72	.033	18	45	.05	73	.01	26	.30	.15	.22	1	1	5
131452	31	251	299	35	.1	2	8	499	5.84	118	5	10	16	99	1	2	16	9	.54	.024	20	113	.07	54	.01	15	.82	.02	.24	1	2	10
131453	21	121	241	57	1.3	1	13	548	8.19	41	5	10	13	67	3	2	5	4	.42	.039	10	37	.07	84	.01	29	.33	.11	.26	1	52	20
131453	21	121	241	57	1.3	1	13	548	8.19	41	5	10	13	67	3	2	5	4	.42	.039	10	37	.07	84	.01	29	.33	.11	.26	1	52	20
131454	29	191	137	17	7.8	1	3	101	5.75	49	5	10	18	113	1	10	2	8	.12	.031	25	111	.03	84	.01	2	.40	.05	.31	2	385	2300
131454	29	191	137	17	7.8	1	3	101	5.75	49	5	10	18	113	1	10	2	8	.12	.031	25	111	.03	84	.01	2	.40	.05	.31	2	385	2300
131455	21	113	1013	29	.4	2	3	287	2.57	98	7	10	17	58	1	2	2	5	.44	.042	15	59	.07	150	.01	2	.69	.03	.20	1	26	10
131455	21	113	1013	29	.4	2	3	287	2.57	98	7	10	17	58	1	2	2	5	.44	.042	15	59	.07	150	.01	2	.69	.03	.20	1	26	10
131455	21	113	1013	29	.4	2	3	287	2.57	98	7	10	17	58	1	2	2	5	.44	.042	15	59	.07	150	.01	2	.69	.03	.20	1	26	10
131455	21	113	1013	29	.4	2	3	287	2.57	98	7	10	17	58	1	2	2	5	.44	.042	15	59	.07	150	.01	2	.69	.03	.20	1	26	10
131455	21	113	1013	29	.4	2	3	287	2.57	98	7	10	17	58	1	2	2	5	.44	.042	15	59	.07	150	.01	2	.69	.03	.20	1	26	10
131456	15	45	36	4	4.1	3	1	37	.63	3	5	10	10	14	1	2	2	2	.03	.004	13	178	.01	48	.01	10	.08	.01	.04	1	475	1200
131456	15	45	36	4	4.1	3	1	37	.63	3	5	10	10	14	1	2	2	2	.03	.004	13	178	.01	48	.01	10	.08	.01	.04	1	475	1200
131457	6	143	79	266	.4	9	12	395	8.44	20	5	10	19	111	1	2	9	24	.35	.082	50	22	.28	126	.02	7	1.02	.05	.44	1	13	5
131457	6	143	79	266	.4	9	12	395	8.44	20	5	10	19	111	1	2	9	24	.35	.082	50	22	.28	126	.02	7	1.02	.05	.44	1	13	5
131458	12	14	8	9	.1	3	1	36	1.44	6	5	10	4	119	1	4	2	16	.29	.018	10	131	.02	38	.01	4	.20	.02	.11	1	22	10
131458	12	14	8	9	.1	3	1	36	1.44	6	5	10	4	119	1	4	2	16	.29	.018	10	131	.02	38	.01	4	.20	.02	.11	1	22	10
131459	125	421	1347	17	62.8	2	2	53	2.28	238	5	10	2	56	1	36	105	5	.57	.009	5	74	.10	108	.01	2	.38	.08	.28	1	235	320
131459	125	421	1347	17	62.8	2	2	53	2.28	238	5	10	2	56	1	36	105	5	.57	.009	5	74	.10	108	.01	2	.38	.08	.28	1	235	320
131460	9	31	28	1	1.1	1	2	45	3.25	17	5	10	22	56	1	2	2	4	.19	.023	28	69	.04	155	.01	6	.40	.06	.37	1	24	10
131460	9	31	28	1	1.1	1	2	45	3.25	17	5	10	22	56	1	2	2	4	.19	.023	28	69	.04	155	.01	6	.40	.06	.37	1	24	10
131461	5	91	29	10	4.2	5	2	62	1.95	11	5	10	14	99	1	2	2	3	.21	.018	21	51	.05	118	.01	24	.37	.06	.23	1	36	950
131461	5	91	29	10	4.2	5	2	62	1.95	11	5	10	14	99	1	2	2	3	.21	.018	21	51	.05	118	.01	24	.37	.06	.23	1	36	950
131462	6	26	43	22	4.4	1	2	56	2.55	15	5	10	15	123	1	2	2	6	.28	.030	30	68	.06	172	.01	8	.42	.10	.27	1	72	280
131462	6	26	43	22	4.4	1	2	56	2.55	15	5	10	15	123	1	2	2	6	.28	.030	30	68	.06	172	.01	8	.42	.10	.27	1	72	280
131463	5	16	85	18	.7	4	5	129	5.00	8	5	10	8	89	1	2	2	29	.51	.029	14	41	.13	172	.02	2	.63	.05	.38	1	6	190
131463	5	16	85	18	.7	4	5	129	5.00	8	5	10	8	89	1	2	2	29	.51	.029	14	41	.13	172	.02	2	.63	.05	.38	1	6	190
131464	11	16	100	12	.3	4	4	66	3.61	4	5	10	8	283	1	2	2	10	.41	.044	8	92	.07	108	.02	27	.49	.04	.30	1	11	64
131464	11	16	100	12	.3	4	4	66	3.61	4	5	10	8	283	1	2	2	10	.41	.044	8	92	.07	108	.02	27	.49	.04	.30	1	11	64
131465	7	20	44	19	.1	2	2	78	2.67	3	5	10	19	127	1	2	2	11	.13	.036	17	39	.06	123	.01	3	.46	.01	.25	1	3	20
131465	7	20	44	19	.1	2	2	78	2.67	3	5	10	19	127	1	2	2	11	.13	.036	17	39	.06	123	.01	3	.46	.01	.25	1	3	20
131466	8	47	12	26	.2	9	7	226	2.46	12	5	10	5	186	1	2	2	24	1.07	.041	13	84	.29	79	.05	23	1.13	.05	.14	1	8	100
131466	8	47	12	26	.2	9	7	226	2.46	12	5	10	5	186	1	2	2	24	1.07	.041	13	84	.29	79	.05	23	1.13	.05	.14	1	8	100
131467	6	23	26	24	.1	2	5	130	2.83	82	5	10	26	99	1	2	2	11	.37	.027	21	25	.11	49	.01	4	.55	.05	.20	1	5	10
131467	6	23	26	24	.1	2	5	130	2.83	82	5	10	26	99	1	2	2	11	.37	.027	21	25	.11	49	.01	4	.55	.05	.20	1	5	10
131468	14	12	24	8	.4	1	7	60	2.67	30	5	10	23	170	1	2	2	12	.22	.023	33	124	.03	150	.02	3	.35	.10	.17	1	1	30
131468	14	12	24	8	.4	1	7	60	2.67	30	5	10	23	170	1	2	2	12	.22	.023	33	124	.03	150	.02	3	.35	.10	.17	1	1	30
131469	46	56	649	18	1.2	1	5	77	8.21	53	5	10	20	102	1	2	5	23	.47	.047	25	32	.08	135	.01	5	.49	.13	.44	2	49	5
131469	46	56	649	18	1.2	1	5	77	8.21	53	5	10	20	102	1	2	5	23	.47	.047	25	32	.08	135	.01	5	.49	.13	.44	2	49	5
131470	25	1199	298	17	61.5	4	10	98	4.14	48	39	10	15	204	1	5	20	14	.08	.047	36	75	.05	56	.01	25	.52	.02	.21	1	73	92000
131470	25	1199	298	17	61.5	4	10	98	4.14	48	39	10	15	204	1	5	20	14	.08	.047	36	75	.05	56	.01	25	.52	.02	.21	1	73	92000
131471	26	11602	163	240	22.6	1	14	1340	8.87	28	14	10	14	38	1	2	183	23	.31	.020	18	36	.43	40	.01	2	1.22	.02	.19	10	320	340
131471	26	11602	163	240	22.6	1	14	1340	8.87	28	14	10	14	38	1	2	183	23	.31	.020	18	36	.43	40	.01	2	1.22	.02	.19	10	320	340
131472	16	3000	38	198	3.0	2	15	1795	8.30	15	5	10	14	40	1	2	6	23	.46	.013	13	83	.92	78	.02	2	1.88	.01	.25	5	155	330
131472	16	3000	38	198	3.0	2	15	1795	8.30	15	5	10	14																			

SE  
claim

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH JHL 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.  
- SAMPLE TYPE: ROCK PULP AU ANALYSIS BY NA FROM 20 GRAM SAMPLE. MG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: MAR 14 1988

DATE REPORT MAILED: MAR 17/88

ASSAYER: C. J. D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

AMERICAN COPPER & NICKEL PROJECT-103-690 #1024 File # 88-0739

SAMPLE#	MO	CU	PB	ZN	AS	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	AU	HG
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
131439	9	67	63	5	1.1	1	1	24	1.33	8	5	2	7	17	1	3	5	2	.07	.010	10	92	.05	77	.01	34	.25	.06	.19	1	1210	10
131440	8	60	40	6	3.6	2	1	40	1.61	11	5	ND	7	14	1	2	3	3	.24	.009	10	44	.07	84	.01	35	.26	.03	.21	1	255	680
131441	5	101	65	100	.6	2	6	492	3.42	28	5	ND	9	21	2	2	2	3	2.84	.015	10	34	.08	44	.01	4	.41	.30	.20	1	15	10
131442	4	76	22	49	.5	3	4	83	2.85	10	5	ND	18	58	1	3	2	6	.27	.031	22	20	.08	126	.01	5	.47	.04	.22	2	8	30
131443	7	73	115	31	.5	1	3	24	2.05	18	6	ND	14	52	1	2	2	4	.09	.020	17	39	.05	117	.01	3	.49	.12	.28	1	78	5
131444	7	187	82	40	.4	4	5	122	6.32	12	5	ND	22	110	1	2	2	14	.44	.035	20	22	.14	111	.01	6	.49	.04	.27	2	6	20
131445	10	73	15	18	.5	3	2	81	2.28	8	7	ND	19	151	1	2	2	9	.72	.042	29	61	.11	177	.01	8	.53	.03	.23	1	26	30
131446	12	97	91	85	5.3	7	6	76	7.38	27	5	ND	7	104	1	2	4	6	.33	.058	18	52	.05	90	.01	7	.18	.11	.42	1	98	110
131447	11	76	218	144	.5	5	6	111	6.02	12	5	ND	18	150	1	2	2	25	.14	.040	20	73	.13	52	.01	16	.60	.03	.35	1	19	20
131448	5	101	18	45	.3	4	5	108	4.88	8	5	ND	21	226	1	2	2	56	.34	.048	25	29	.17	86	.02	10	.66	.05	.43	2	8	10
131449	11	71	87	99	.2	7	17	575	7.14	12	5	ND	5	211	2	2	2	37	.45	.099	15	32	.78	59	.07	14	1.40	.09	.38	1	48	10
131450	5	9	66	4	.1	1	1	42	.81	6	5	ND	5	29	1	2	6	4	.83	.006	22	28	.04	197	.01	7	.28	.01	.16	1	2	5
131490	9	15	223	8	.2	2	4	104	1.38	12	5	ND	5	44	1	3	4	8	1.10	.010	21	24	.04	403	.01	7	.25	.01	.13	1	2	20
131491	11	52	43	5	1.6	1	1	26	3.65	2	5	ND	7	37	1	2	2	6	.11	.012	5	116	.02	50	.01	2	.08	.38	1.09	1	285	60
131492	6	21	19	5	.4	1	1	41	.58	7	5	ND	8	35	1	2	4	3	.47	.013	16	36	.07	116	.01	25	.36	.03	.19	1	96	5
131493	18	758	390	10	2.5	3	1	44	.78	20	6	ND	4	82	1	2	2	4	1.46	.013	6	158	.04	232	.01	10	.25	.03	.10	1	625	80
131494	13	20	59	7	.4	1	2	23	3.36	51	5	ND	17	73	1	2	2	6	.27	.024	23	27	.06	110	.01	29	.38	.04	.26	1	38	5
131495	11	64	33	37	.4	3	6	482	2.89	12	5	ND	12	165	1	2	2	16	1.67	.021	10	73	.13	250	.01	6	.43	.03	.20	2	55	5
131496	3	31	610	30	.5	2	2	166	1.60	27	7	ND	20	108	1	2	2	5	.49	.035	13	25	.07	197	.01	6	.51	.04	.27	2	5	5
131497	10	22	379	14	.2	2	2	108	1.32	15	5	ND	16	118	1	2	2	3	1.37	.014	17	80	.07	163	.01	4	.34	.04	.14	1	6	20
131498	9	24	162	17	.4	2	1	61	1.81	12	5	ND	21	182	1	2	2	4	.32	.022	20	33	.06	149	.01	12	.43	.04	.19	1	11	10
131499	10	47	31	10	3.0	2	1	90	3.08	26	5	ND	19	114	1	2	2	3	.31	.040	13	89	.06	125	.01	14	.37	.02	.21	1	52	180
131500	5	77	22	14	.5	2	1	45	3.14	21	5	ND	15	48	1	2	2	4	.53	.011	9	32	.11	156	.01	24	.32	.05	.13	1	111	10
570 C/AU-R	17	58	38	132	7.1	70	28	1058	4.00	41	22	6	37	48	17	20	18	59	.48	.088	37	55	.95	171	.07	34	1.72	.09	.14	11	500	1400

AMERICAN COPPER & NICKEL PROJECT-103-220 #1008 FILE # 88-0288

SAMPLE	MO	CU	FE	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	H6	BA	TI	B	AL	MA	K	N	AUF	PPB	PPB	PPB
131483	39	21	171	75	.1	4	9	460	5.28	8	5	ND	11	276	1	2	2	11	.07	.039	14	31	.06	52	.01	25	.53	.03	.22	1	17	5
131484	11	10	88	47	.4	4	15	621	2.53	12	5	ND	5	88	1	2	6	.15	.016	14	76	.06	46	.01	10	.41	.07	.25	1	2	5	
131485	12	14	140	9	1.8	4	2	61	2.82	14	5	ND	3	73	1	4	2	11	.49	.023	9	76	.05	139	.01	12	.27	.02	.12	1	21	40
131486	9	23	141	37	8.7	4	4	88	5.10	6	5	ND	22	219	1	2	3	18	.34	.044	19	77	.09	217	.02	37	.67	.04	.24	1	1	20
131487	21	12	173	45	.4	4	9	335	3.45	7	5	ND	4	181	1	2	12	.31	.017	11	55	.07	151	.01	8	.35	.04	.20	1	32	30	
131488	12	120	215	112	.2	7	24	1649	9.02	15	5	ND	10	506	1	2	49	.11	.072	15	57	.05	187	.02	19	.83	.06	.36	1	1	40	
131489	6	301	55	327	.3	13	21	625	10.72	22	5	ND	11	256	3	2	12	.26	.087	73	28	.61	11	.04	19	1.37	.10	.69	1	52	30	
131501	100	9315	18823	576	234.9	10	10	3352	5.42	395	89	209	4	183	4	6	3	1809	.09	.043	10	195	.03	763	.01	8	.19	.01	.07	11	17100	5
131502	6	412	762	78	1.9	5	2	199	1.29	14	5	6	21	21	1	2	2	77	.29	.077	45	59	.06	52	.01	5	.55	.04	.18	1	3980	5
131503	7	62	164	79	1.0	10	7	526	3.56	6	5	ND	19	25	1	2	2	34	1.91	.084	84	82	.25	106	.01	17	1.01	.04	.24	1	590	5
131504	19	677	16386	24672	40.3	10	5	2085	1.32	504	5	ND	1	81	12	2	30	11.94	.008	18	209	.14	118	.01	165	.71	.06	.48	3	400	740	
131505	14	33	4363	1182	1.2	4	1	878	1.17	37	5	ND	1	16	3	2	10	1.02	.015	54	95	.07	55	.01	4	.51	.03	.15	1	112	10	
131506	16	59	19474	6721	7.3	4	2	1309	1.69	101	5	ND	1	37	3	4	9	.13	.009	26	57	.19	41	.01	7	.57	.01	.16	8	4	120	
131507	21	12	2003	1948	1.2	2	1	105	1.16	15	5	ND	1	17	1	2	4	.11	.014	61	109	.01	57	.01	5	.29	.04	.13	1	22	5	
131508	16	114	15438	1213	12.5	46	11	9000	3.67	112	5	3	1	167	8	9	2	44	13.04	.077	33	70	1.12	55	.08	5	1.70	.01	.09	7	2780	1300
131509	9	53	674	167	.5	4	1	485	.51	4	5	ND	1	24	1	2	25	2.40	.018	18	109	.13	83	.02	2	.17	.01	.16	1	550	10	
131510	23	297	16291	29015	27.2	14	10	3012	4.70	116	5	ND	1	119	9	13	43	11.61	.018	5	41	.34	48	.02	22	.79	.01	.03	4	1010	230	
131511	16	25	1813	853	4.2	5	2	401	1.15	30	5	ND	6	9	2	2	9	.35	.011	19	126	.17	192	.01	20	.53	.02	.12	1	215	5	
131512	89	303	12189	12280	34.7	5	7	4093	6.70	109	5	2	1	24	177	8	3	86	3.18	.009	7	63	.17	93	.01	7	.50	.01	.02	2	1015	150
131513	46	49823	5528	5159	18.9	19	20	2419	7.27	57	5	2	1	16	10	9	344	.38	.027	5	65	.07	33	.01	14	.82	.01	.02	2	2020	40	
131514	22	1543	2156	2993	4.8	20	6	1286	7.14	34	5	ND	1	28	2	2	7	132	1.67	.037	21	157	.36	307	.05	2	1.52	.02	.88	77	72	40
131515	143	601	1092	425	4.9	8	3	207	2.70	33	5	ND	1	36	1	2	19	.15	.029	8	87	.07	435	.01	11	.44	.01	.12	4	55	3	
131516	31	43	17631	41317	16.2	10	13	4750	5.55	100	5	ND	1	52	69	9	6	20	1.88	.009	8	96	.40	80	.01	10	1.37	.01	.30	3	960	70
131517	19	26	15383	2500	15.4	1	2	86209	3.73	621	35	2	349	17	16	2	2	1189	21.71	.023	8	15	.15	33	.01	2	.35	.05	.10	36	4150	130
131518	4	53	1104	851	.3	59	19	4053	4.48	20	5	ND	1	62	3	2	2	108	2.88	.118	38	87	2.69	31	.25	3	2.60	.02	.08	1	61	20
131519	11	77	16065	829	26.7	16	5	1354	2.57	6009	5	ND	1	325	5	34	68	16.72	.025	32	59	.26	702	.09	267	1.81	.13	1.36	41	89	250	
131520	3	28	2700	163	.3	6	3	1226	1.00	234	5	ND	5	30	1	13	57	3.13	.014	22	46	.16	358	.07	4	.37	.04	.36	2	24	10	
131521	2	13	1086	158	.2	61	29	1506	5.28	49	5	ND	1	79	1	2	68	3.87	.024	3	26	2.64	353	.16	7	3.42	.14	1.40	1	440	10	
131522	6	2568	195	42	3.3	21	20	714	4.83	13	5	ND	1	97	1	3	16	1.12	.39	.001	2	41	.10	30	.01	36	.14	.01	.04	1	240	5
131523	12	880	75	148	5.8	11	8	2159	3.23	9	5	ND	1	415	1	16	17	1.49	.013	4	44	.14	160	.01	5	.76	.01	.13	1	8	20	
131524	18	59	39	132	7.3	67	25	1063	4.12	42	16	7	36	47	18	19	55	.46	.051	38	56	.92	176	.07	34	1.97	.09	.14	12	520	1300	

- ASSAY REQUIRED FOR Cu. Pb > 10,000 ppm  
Zn > 20,000 ppm  
Ag > 35 ppm

## GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO<sub>3</sub>-H<sub>2</sub>O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR HG BA TI B AL NA K W AUT PPM  
- SAMPLE TYPE: ROCK PULP AU: ANALYSIS BY NA FROM 20 GRAM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: MAR 28 1988 DATE REPORT MAILED: *Mar 31/88* ASSAYER: *C. Perry* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

AMERICAN COPPER &amp; NICKEL PROJECT-103-690 #1028 File # 88-0910

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	TI	B	AL	NA	K	W	AUT	HG
PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
131544	57	1311	63	338	.1	11	36	6135	10.50	392	5	ND	19	279	3	86	135	21	5.31	.054	10	42	.11	232	.01	9	.93	.02	.18	1	7	20
131545	16	45	508	19	3.4	2	2	153	2.52	32	5	ND	32	132	1	2	2	7	.34	.039	40	34	.07	234	.01	13	.29	.10	.24	1	29	350
131546	12	92	91	30	.4	2	3	143	3.31	11	5	ND	25	121	1	2	2	6	.96	.044	32	65	.10	150	.01	5	.39	.06	.27	1	18	20
131547	6	48	30	27	.1	2	5	113	1.80	9	5	ND	4	26	1	2	2	4	.18	.007	8	37	.05	56	.01	5	.53	.16	.26	2	11	20
131548	9	103	69	63	.1	3	6	217	3.41	10	7	ND	30	106	1	2	2	9	.68	.034	35	52	.14	137	.01	9	.52	.05	.29	1	13	5
131549	23	99	46	141	6.0	6	14	617	21.46	26	5	ND	6	82	2	9	2	8	.92	.011	4	26	.09	844	.01	21	.37	.03	.14	1	280	2000
131550	26	110	233	80	.7	7	58	2486	16.30	51	7	ND	19	264	2	2	4	53	1.18	.079	23	79	.09	94	.02	13	.50	.10	.74	1	181	80
131551	65	135	84	73	.1	5	48	3714	9.41	41	5	ND	28	225	2	2	5	22	1.07	.038	9	33	.09	91	.01	23	.51	.06	.17	1	39	30
131552	37	279	12	470	1.1	17	49	1495	11.91	75	5	ND	29	64	2	4	2	9	.93	.072	4	45	.07	121	.01	19	.54	.03	.19	1	12	110
131553	34	29	47	20	.2	2	2	140	2.04	9	5	ND	7	63	1	2	2	7	.28	.014	10	30	.07	138	.01	9	.47	.02	.26	1	230	30
131554	13	38	231	281	.8	8	13	161	10.34	33	5	ND	19	62	1	5	4	4	.07	.079	32	62	.04	52	.01	12	.50	.08	.75	1	157	20
131555	5	17	77	18	.7	2	3	77	3.76	10	5	ND	14	93	1	2	2	7	.22	.024	27	31	.04	149	.01	4	.56	.04	.52	1	45	30
131556	6	12	37	10	.5	2	11	33	2.20	13	5	ND	10	41	1	2	3	5	.17	.022	25	47	.04	89	.01	16	.80	.09	.41	2	22	10
131557	15	88	104	130	.3	7	2	309	8.05	41	5	ND	22	123	2	2	3	11	.31	.044	17	26	.04	104	.01	20	.41	.03	.23	1	5	10
131558	9	9	47	21	.5	2	2	57	2.57	7	5	ND	17	167	1	2	2	7	.31	.027	39	58	.10	126	.01	9	.51	.06	.25	1	6	5
131559	8	30	88	15	.1	2	2	154	9.31	8	5	ND	7	34	1	5	2	13	.66	.017	4	39	.13	177	.01	19	.28	.02	.15	2	2	10
131560	5	167	8	51	.1	3	4	304	2.78	32	6	ND	18	180	1	2	2	24	.42	.040	38	35	.19	70	.02	12	1.10	.05	.33	1	3	5
131561	5	88	78	231	.4	6	20	471	2.76	57	6	ND	42	294	1	2	2	8	1.80	.053	43	12	.13	200	.01	10	.99	.05	.60	1	58	5
131562	6	12	21	29	.1	2	1	102	.97	11	5	ND	19	56	1	2	2	7	.34	.012	15	60	.14	116	.01	11	.46	.04	.30	1	3	40
131563	17	57	40	51	.5	2	1	50	3.05	14	5	ND	10	80	1	2	2	11	1.02	.008	5	36	.13	210	.01	15	.55	.05	.20	1	12	10
131564	12	92	22	62	.8	3	3	206	5.97	35	5	ND	20	140	1	2	2	30	.47	.025	19	42	.10	243	.01	13	.60	.03	.24	2	56	30
131565	10	61	21	59	.4	3	6	318	3.54	18	5	ND	23	432	1	2	2	40	.24	.028	17	18	.27	85	.02	38	1.05	.29	.31	1	28	20
131566	8	111	1046	19	2.4	2	2	48	10.06	56	5	ND	22	162	1	4	24	12	.25	.064	17	36	.19	92	.01	17	.65	.21	.50	1	62	10
131567	13	54	621	24	1.3	2	2	77	8.57	32	5	ND	6	91	1	2	2	21	.13	.041	15	28	.06	49	.01	4	.43	.49	.53	2	83	10
131568	7	53	266	12	3.3	2	2	46	5.77	52	5	ND	8	76	1	2	2	8	.29	.030	8	61	.06	68	.01	6	.29	.20	.55	1	450	500
STD C/AU-R	20	62	39	152	7.8	72	30	1062	4.09	41	22	7	40	50	19	20	22	60	.49	.090	39	61	.95	182	.07	34	1.77	.09	.13	14	515	1400



GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - 500 GRAM SAMPLE IS DIGESTED WITH 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH DEION. THIS ANALYSIS IS PARTIAL FOR THE CA, P, K, Na, Ti, B AND LIMITED FOR Fe, Mn, Al, AND DETECTION LIMIT BY ICP IS 3 PPM. NO ANALYSIS BY FLUORINE AL.

DATE RECEIVED: MAY 10 1988 DATE REPORT MAILED: May 13/88 ASSAYER: C. L. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

A.C.N.C. SPARKS PROJECT-103-690 #1042 File # 88-1353 Page 1

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	V	Cr	Ba	Ti	B	Al	Na	K	W	Au*	Hg											
131569	4	37	227	137	.1	1	2	143	3.17	28	5	10	25	160	2	4	4	5	1.11	.046	28	23	.10	209	.01	11	.49	.33	.41	1	2	20
131570	19	624	350	1494	1.0	55	77	1323	26.45	105	20	10	13	133	4	2	2	65	.48	.032	8	33	.11	59	.01	30	1.00	.01	.22	1	215	5
131571	8	16	24	32	.1	1	1	29	1.03	6	5	10	31	18	1	2	2	3	.14	.006	36	33	.64	27	.62	14	.35	.03	.24	1	1	10
131572	18	48	17	26	.6	3	2	14	2.47	11	11	10	7	311	1	2	2	56	.28	.057	16	100	.06	63	.03	8	.35	.07	.17	1	7	30
131573	6	14	10	19	.1	2	1	170	.69	9	5	10	12	26	1	2	2	8	.22	.057	29	71	.13	27	.01	13	.31	.02	.07	1	1	20
131574	19	86	110	122	.5	4	7	92	7.96	28	5	10	17	90	1	2	2	13	.30	.033	12	84	.07	99	.01	10	.50	.05	.26	1	2	30
131575	72	59	145	94	.8	2	5	93	5.33	17	5	10	12	76	1	2	5	8	.27	.031	12	47	.05	90	.01	4	.36	.03	.21	1	195	20
131576	10	30	234	14	4.4	4	6	27	6.00	89	5	10	7	46	1	2	2	9	.12	.019	5	87	.02	61	.02	4	.17	.16	.39	1	715	200
131577	14	59	1042	22	4.4	1	4	81	9.43	36	5	10	5	95	1	2	2	8	.03	.033	11	34	.14	79	.01	7	.36	.13	.39	1	1610	10
131578	21	54	768	24	2.5	3	6	70	13.47	44	5	10	5	107	1	2	2	23	.21	.048	12	81	.08	65	.01	2	.26	.51	.73	1	116	29
131579	14	61	367	18	1.9	2	7	69	14.44	59	5	10	3	78	1	2	2	11	.25	.033	4	43	.06	59	.01	4	.20	.47	.73	1	356	16
131580	14	297	153	52	14.0	1	8	55	15.85	30	5	5	51	163	1	2	2	21	.26	.088	33	63	.07	58	.01	11	.41	.58	.31	1	518	213
131581	28	125	37	67	9	6	19	396	7.14	57	5	10	14	61	1	2	2	44	.99	.107	45	29	.73	149	.15	34	1.14	.06	.49	1	46	2006
131582	5	8	11	20	.1	1	1	118	.63	2	5	10	6	4	1	2	2	2	.69	.005	3	118	.04	13	.01	6	.23	.35	.12	1	36	5
131583	3	26	4	75	1	2	3	353	1.62	2	5	10	3	24	1	2	2	16	.46	.058	7	48	.27	51	.08	3	.39	.06	.40	1	5	20
131584	37	251	18	11	5.3	9	13	49	4.78	2	5	17	1	56	1	2	2	20	.03	.096	2	228	.01	1101	.01	12	.15	.31	.01	1	14680	5
131585	3	9	153	10	3.4	1	5	21	7.47	2	5	3	5	30	1	2	2	7	.09	.005	5	39	.05	180	.01	7	.59	.64	.20	1	2560	5
131586	11	13	164	1	2.9	4	6	26	3.95	2	5	3	4	47	1	2	2	3	.05	.010	6	129	.52	282	.01	2	.28	.34	.20	1	2853	5
131587	3	52	10	15	.1	1	3	174	.90	2	5	10	1	13	1	2	2	4	.12	.002	2	47	.10	39	.02	2	.35	.65	.18	1	52	10
131588	8	363	538	136	1.3	9	10	181	3.99	64	5	3	4	61	1	2	5	83	1.31	.018	7	78	.24	311	.02	7	.59	.02	.29	2	2390	5

SE Property

200' sample  
30' sample

SE Claims Property

A.C.N.C. SPARKS PROJECT-103-690 #1042 FILE # 88-1353

PD

SAMPLE	NO	CO	FE	ZN	AG	NI	CO	KR	TE	AS	U	MO	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	SI	I	N	AN	EG	
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	
13105	6	72	297	13	2.3	1	1	79	3.34	21	5	MD	15	72	1	2	18	2	1.15	.031	23	27	.03	36	.01	12	.31	.16	.34	1	616	5	
13106	5	43	45	33	.4	1	1	14	2.46	40	5	MD	28	79	1	2	62	3	2.29	.041	34	46	.03	47	.01	2	.46	.11	.25	1	330	5	
13107	7	12	236	10	.1	1	1	33	1.36	49	5	MD	8	660	1	2	3	6	2.43	.008	9	20	.10	50	.01	23	.30	.03	.20	1	7	5	
13108	11	11	368	6	.1	1	1	242	1.20	57	5	MD	6	315	1	2	2	5	1.41	.006	11	55	.06	42	.01	15	.23	.01	.10	1	4	10	
13109	5	5	55	3	.2	1	1	44	.33	15	5	MD	6	88	2	2	2	3	.72	.003	22	30	.32	101	.01	2	.26	.01	.17	1	1	5	
13110	13	21	410	11	.1	1	1	220	2.61	73	5	MD	9	82	1	2	3	9	.61	.307	24	51	.08	46	.01	7	.29	.03	.17	1	4	30	
13111	7	45	933	28	.4	1	1	2	193	1.05	95	5	MD	32	296	1	2	39	5	.21	.027	23	28	.15	149	.01	70	.57	.37	.25	1	4	20
13112	9	62	646	33	.3	1	1	16	940	1.93	43	5	MD	33	220	1	2	4	3	.41	.220	17	54	.67	90	.01	15	.42	.07	.23	1	2	40
STD C/N-1	20	64	41	133	7.6	73	31	1162	4.26	91	23	6	40	56	29	17	21	61	.51	.093	46	86	.90	103	.03	33	1.93	.06	.16	13	406	1300	

SE  
Property

# SKYLINE LABS, INC.

SPECIALISTS IN EXPLORATION GEOCHEMISTRY

12090 WEST 50TH PLACE • WHEAT RIDGE, COLORADO 80033 • TEL.: (303) 424-7718

## REPORT OF ANALYSIS

RECEIVED

MAY 09 1988

AMERICAN COPPER & NICKEL CO., INC.  
RENO

JOB NO. DBB 560

May 5, 1988

P.O. NO. 103-690

BATCH NO. 1040

American Copper and Nickel Co., Inc.

Attn: M. Mason

4860 Robb Street

Wheat Ridge, Colorado 80033

### Analysis of 24 Pulps

			FIRE ASSAY	
			Au	
ITEM	SAMPLE NO.		(oz/T)	
TRENCH 2	1	131589	<.002	
	2	131590	<.002	
	3	131591	<.002	
	4	131592	<.002	
	5	131593	<.002	
	6	131594	<.002	
	7	131595	<.002	
	8	131596	.010	342
	9	131597	<.002	
	10	131598	<.002	
TRENCH 1	11	131599	<.002	
	12	131600	.008	274
	13	131601	<.002	
	14	131602	<.002	
	15	131603	.002	69
	16	131604	<.002	
	17	131605	.016	549
	18	131606	.009	309
	19	131607	<.002	
	20	131608	<.002	
TRENCH 3	21	131609	<.002	
	22	131610	<.002	
	23	131611	<.002	
	24	131612	<.002	

cc: John Lukens, Reno



Gordon H. VanSickle  
Manager

# TRENCH 1

Trench Sample  
Locations  
No Geologic Map  
of trenches



1042/03H

004

1042/03H

131601

131606

.004 OPT M4  
.016 OPT

.002 DAT

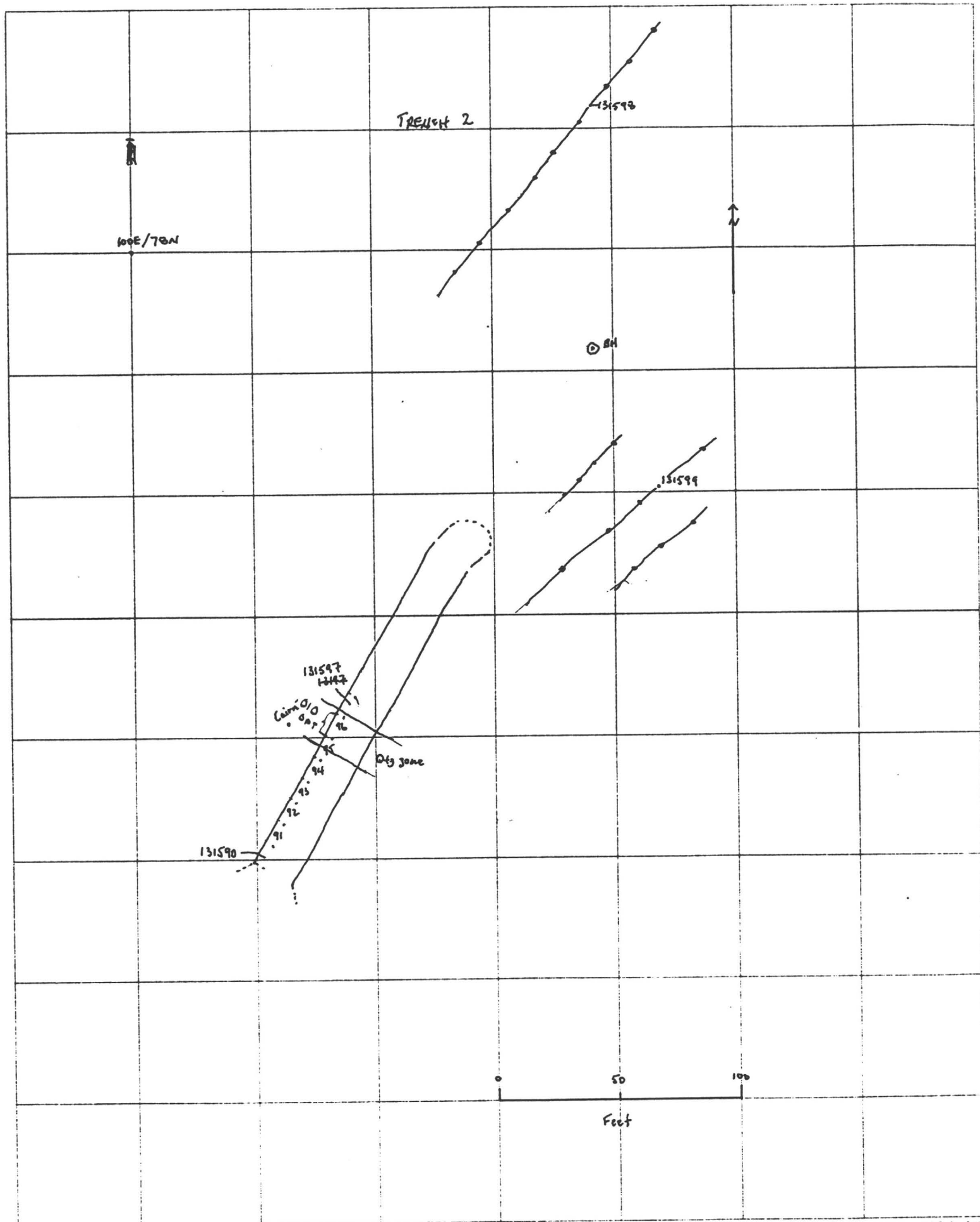
road

0

50

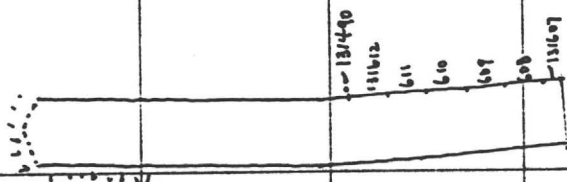
100

feet



TRENCH 3

1"=50'



100

50

Feet

1012/042

## BOREHOLE LOG

BOREHOLE : 76086

DATE PRINTED 6/ 3/1989

NORTHING : 9843.00      EASTING : 9860.00      ELEVATION : 1250.00      FINAL DEPTH 300.00

CLAIM #	SE 108	COMPLETED	05/28/88
SECTION	9850 E	N OR S	N
E OR W	E	STARTED	05/26/88
LOGGED BY	JL, PT	PROJECT	STRAY ELEPHANT
MEASUREMENT UNITS M OR FT	Ft	DRILLED BY	Young Expl
DRILL TYPE	RCR	BASELINE AZIMUTH	310
BOREHOLE BEARING(GRID BEARING)	180	HOLE SIZE	5 Inch
LEVEL	Surface	COUNTRY	USA
PROV/STATE	Arizona	ASSAYED FOR	Au+ICP
COUNTY	La Paz	TOWNSHIP	4N
RANGE	20W	SECTION	32
QUADRANGLE	Middle Camp Mtn. 7.5'		

## DEVIATION RECORDS

FOOTAGE	AZIMUTH	DIP	FOOTAGE	AZIMUTH	DIP	FOOTAGE	AZIMUTH	DIP
.00	220.00	-60.00	300.00	220.00	-60.00			

FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb	Ag ppm	Cu ppm	As ppm
.00	10.00	METAVOLCANIC							
		Broken, iron oxide after pyrite,	FX205945	.00	5.00	0	0.2	-	-
		argillic alteration, minor sericite.	FX205946	5.00	10.00	130	0.4	-	-
10.00	60.00	METAVOLCANIC							
		White, abundant clay, minor	FX205947	10.00	15.00	100	0.6	-	-
		disseminated pyrite, iron oxide after	FX205948	15.00	20.00	30	0.8	-	-
		pyrite, limonite and purple iron oxide,	FX205949	20.00	25.00	30	0.8	-	-
		minor alunite.	FX205950	25.00	30.00	50	0.6	-	-
			FX205952	30.00	35.00	30	0.6	-	-
			FX205953	35.00	40.00	40	0.4	-	-
			FX205954	40.00	45.00	0	0	-	-
			FX205955	45.00	50.00	0	0	-	-
			FX205956	50.00	55.00	0	0	-	-
			FX205957	55.00	60.00	560	0	-	-
60.00	80.00	METAVOLCANIC							
		Shear zone, rock is strongly foliated.	FX205958	60.00	65.00	90	0	-	-
		Gray to light gray, locally	FX205959	65.00	70.00	30	0	-	-
		silicified, minor clay and alunite.	FX205960	70.00	75.00	80	0	-	-
			FX205961	75.00	80.00	50	0	-	-
80.00	145.00	METAVOLCANIC							
		Latite, medium to dark gray, 1% pyrite	FX205962	80.00	85.00	70	0	-	-

FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb	Ag ppm	Cu ppm	As ppm
		locally, minor gypsum, rock is mostly unaltered.	FX205963	85.00	90.00	60	0.4	-	-
			FX205964	90.00	95.00	40	0.2	-	-
			FX205965	95.00	100.00	0	0	-	-
			FX205966	100.00	105.00	60	0	-	-
			FX205968	105.00	110.00	0	0.2	-	-
			FX205969	110.00	115.00	40	0	-	-
			FX205970	115.00	120.00	60	0.8	-	-
			FX205971	120.00	125.00	40	0.6	-	-
			FX205972	125.00	130.00	0	0.4	-	-
			FX205973	130.00	135.00	0	0.4	-	-
			FX205974	135.00	140.00	40	0.2	-	-
			FX205975	140.00	145.00	0	0.4	-	-
145.00	185.00	METAVOLCANIC							
		Rhyolite, light gray, quartz eyes, minor clay locally, clear quartz locally to 3-5% pyrite.	FX205976	145.00	150.00	0	0	-	-
			FX205977	150.00	155.00	0	0	-	-
			FX205978	155.00	160.00	30	0.6	-	-
			FX205979	160.00	165.00	0	0.8	-	-
			FX205980	165.00	170.00	30	0.6	-	-
			FX205982	170.00	175.00	60	0	-	-
			FX205983	175.00	180.00	50	0.4	-	-
			FX205984	180.00	185.00	250	0.4	-	-
185.00	200.00	METAVOLCANIC							
		Gray-green, 2-3% pyrite disseminated and in stringers.	FX205985	185.00	190.00	310	0.2	-	-
			FX205986	190.00	195.00	50	0	-	-
			FX205987	195.00	200.00	30	0.4	-	-
200.00	285.00	METAVOLCANIC							
		Gray and green, 3-5% pyrite 200-245, pyrite in stringers and disseminated, minor tourmaline.	FX205988	200.00	205.00	70	0.6	-	-
			FX205989	205.00	210.00	510	0.4	-	-
			FX205990	210.00	215.00	0	0.6	-	-
			FX205991	215.00	220.00	30	0.4	-	-
			FX205992	220.00	225.00	0	0.4	-	-
			FX205994	225.00	230.00	240	0.4	-	-
			FX205995	230.00	235.00	40	0.8	-	-
			FX205996	235.00	240.00	0	0.4	-	-
			FX205997	240.00	245.00	30	0.4	-	-
			FX205998	245.00	250.00	40	0.4	-	-
			FX205999	250.00	255.00	50	1	-	-
			FX247000	255.00	260.00	30	0.6	-	-
			FX247001	260.00	265.00	51	0.3	23	2
			FX247002	265.00	270.00	26	0.4	16	2
			FX247003	270.00	275.00	23	0.3	13	2
			FX247004	275.00	280.00	39	0.2	15	2
			FX247005	280.00	285.00	53	0.3	14	2



FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb	Ag ppm	Cu ppm	As ppm
285.00	300.00	METAVOLCANIC							
		Pale green to white, schistose, 3-5%	PX247006	285.00	290.00	18	0.3	13	3
		disseminated pyrite.	PX247007	290.00	295.00	51	0.1	56	2
		Foot of hole.	PX247008	295.00	300.00	131	0.2	104	4

## BOREHOLE LOG

BOREHOLE :76087

DATE PRINTED

6/ 3/1989

NORTHING : 9993.00      EASTING : 8802.00      ELEVATION : 1230.00      FINAL DEPTH 300.00

CLAIM #	SE 105	COMPLETED	06/01/88
SECTION	8800 E	N OR S	N
E OR W	S	STARTED	05/30/88
LOGGED BY	P Thurston	PROJECT	STRAY ELEPHANT
MEASUREMENT UNITS M OR FT	Ft	DRILLED BY	Young Expl
DRILL TYPE	RCR	BASELINE AZIMUTH	310
BOREHOLE BEARING(GRID BEARING)	180	HOLE SIZE	5 Inch
LEVEL	Surface	COUNTRY	USA
PROV/STATE	Arizona	ASSAYED FOR	Au+ICP
COUNTY	La Paz	TOWNSHIP	4N
RANGE	20W	SECTION	32
QUADRANGLE	Middle Camp Mtn. 7.5'		

## DEVIATION RECORDS

FOOTAGE	AZIMUTH	DIP	FOOTAGE	AZIMUTH	DIP	FOOTAGE	AZIMUTH	DIP
.00	220.00	-60.00	.00	220.00	-60.00			

FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb	Ag ppm	Cu ppm	As ppm
.00	50.00	METAVOLCANIC							
		White, schistose, quartz-rich, minor	FX247009	.00	5.00	7	0.2	34	2
		tourmaline and alunite, iron oxide.	FX247010	5.00	10.00	14	0.2	35	3
			FX247011	10.00	15.00	1	0.1	21	2
			FX247012	15.00	20.00	1	0.1	24	2
			FX247013	20.00	25.00	3	0.1	35	3
			FX247014	25.00	30.00	4	0.2	36	4
			FX247015	30.00	35.00	1	0.1	30	2
			FX247016	35.00	40.00	1	0.2	23	4
			FX247017	40.00	45.00	1	0.3	21	3
			FX247018	45.00	50.00	1	0.4	43	6
50.00	85.00	METAVOLCANIC							
		White, schistose, quartz-rich.	FX247019	50.00	55.00	1	0.2	31	4
			FX247020	55.00	60.00	1	0.1	44	9
			FX247021	60.00	65.00	2	0.1	53	10
			FX247022	65.00	70.00	12	0.2	51	4
			FX247023	70.00	75.00	5	0.2	29	5
			FX247025	75.00	80.00	4	0.1	26	3
			FX247026	80.00	85.00	9	0.2	38	3
85.00	145.00	METAVOLCANIC							
		White, foliated, strong iron oxide.	FX247027	85.00	90.00	10	0.2	37	2
			FX247028	90.00	95.00	95	0.2	40	2

FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb	Ag ppm	Cu ppm	As ppm
			FX247029	95.00	100.00	119	0.2	26	2
			FX247030	100.00	105.00	425	0.2	13	2
			FX247031	105.00	110.00	23	0.1	8	2
			FX247032	110.00	115.00	26	0.1	8	2
			FX247033	115.00	120.00	56	0.1	8	2
			FX247034	120.00	125.00	16	0.1	25	3
			FX247035	125.00	130.00	103	0.1	8	2
			FX247036	130.00	135.00	8	0.1	10	2
			FX247037	135.00	140.00	8	0.3	7	4
			FX247038	140.00	145.00	1310	2.5	7	3
145.00	300.00	METAVOLCANIC							
		White, gray, green, metasediment rock	FX247039	145.00	150.00	54	2.4	6	3
		locally, 2-5% pyrite locally	FX247040	150.00	155.00	87	2	5	2
		disseminated and in stringers.	FX247041	155.00	160.00	59	0.4	10	2
		Foot of hole.	FX247042	160.00	165.00	87	0.5	15	2
			FX247043	165.00	170.00	130	0.5	18	2
			FX247044	170.00	175.00	91	0.5	17	3
			FX247045	175.00	180.00	40	0.1	9	2
			FX247047	180.00	185.00	55	0.2	8	2
			FX247048	185.00	190.00	139	0.1	36	2
			FX247049	190.00	195.00	124	0.3	26	4
			FX247050	195.00	200.00	78	0.1	8	2
			FX247051	200.00	205.00	57	0.1	17	4
			FX247052	205.00	210.00	121	0.1	28	4
			FX247053	210.00	215.00	25	0.2	8	2
			FX247054	215.00	220.00	30	0.3	5	3
			FX247055	220.00	225.00	38	0.2	7	2
			FX247056	225.00	230.00	33	0.4	7	2
			FX247057	230.00	235.00	63	0.1	6	2
			FX247059	235.00	240.00	22	0.1	4	2
			FX247060	240.00	245.00	13	0.1	4	2
			FX247061	245.00	250.00	14	0.1	9	2
			FX247062	250.00	255.00	5	0.4	13	2
			FX247063	255.00	260.00	13	0.1	14	2
			FX247064	260.00	265.00	6	0.1	12	2
			FX247065	265.00	270.00	20	0.4	9	4
			FX247066	270.00	275.00	39	0.4	5	2
			FX247067	275.00	280.00	24	0.2	6	2
			FX247068	280.00	285.00	26	0.1	9	2
			FX247069	285.00	290.00	19	0.1	11	2
			FX247070	290.00	295.00	30	0.4	10	2
			FX247071	295.00	300.00	10	0.3	4	2

## BOREHOLE LOG

BOREHOLE :76088

DATE PRINTED 6/ 3/1989

NORTHING : 7951.00 EASTING : 10118.00 ELEVATION : 1325.00 FINAL DEPTH 300.00

CLAIM #	SE 113	COMPLETED	06/01/88
SECTION	10100 E	N OR S	N
E OR W	E	STARTED	06/01/88
LOGGED BY	P Thurston	PROJECT	Stray Elephant
MEASUREMENT UNITS M OR FT	Ft	DRILLED BY	Young Expl
DRILL TYPE	RCR	BASELINE AZIMUTH	310
BOREHOLE BEARING(GRID BEARING)	180	HOLE SIZE	5 Inch
LEVEL	Surface	COUNTRY	USA
PROV/STATE	Arizona	ASSAYED FOR	Au+ICP
COUNTY	La Paz	TOWNSHIP	3N
RANGE	20W	SECTION	5
QUADRANGLE	Middle Camp Mtn. 7.5'		

## DEVIATION RECORDS

FOOTAGE	AZIMUTH	DIP	FOOTAGE	AZIMUTH	DIP	FOOTAGE	AZIMUTH	DIP
.00	220.00	-45.00	300.00	220.00	-45.00			

FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb	Ag ppm	Cu ppm	As ppm
.00	20.00	METAVOLCANIC							
		White to tan, argillic alteration, iron oxide.	FX247072	.00	5.00	7	0.2	32	3
			FX247073	5.00	10.00	4	0.1	32	2
			FX247074	10.00	15.00	1	0.7	28	4
			FX247075	15.00	20.00	1	0.5	18	2
20.00	25.00	QUARTZ							
		White to translucent, 10% altered metavolcanic.	FX247076	20.00	25.00	1	0.1	23	2
25.00	115.00	METAVOLCANIC							
		White to tan, argillic alteration, some gray clastic rock, iron oxide common.	FX247077	25.00	30.00	1	0.1	17	3
			FX247078	30.00	35.00	1	0.1	37	2
			FX247080	35.00	40.00	2	0.8	18	2
			FX247081	40.00	45.00	1	0.2	23	2
			FX247082	45.00	50.00	1	0.3	25	2
			FX247083	50.00	55.00	19	0.2	24	2
			FX247084	55.00	60.00	5	0.2	25	2
			FX247085	60.00	65.00	1	0.3	31	2
			FX247086	65.00	70.00	12	1	21	2
			FX247087	70.00	75.00	1	0.3	26	2
			FX247088	75.00	80.00	1	0.1	28	2
			FX247089	80.00	85.00	1	0.9	34	2

FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb	Ag ppm	Cu ppm	As ppm
			FX247090	85.00	90.00	2	0.6	27	2
			FX247091	90.00	95.00	1	0.1	29	2
			FX247092	95.00	100.00	1	1	25	2
			FX247093	100.00	105.00	1	0.6	27	2
			FX247094	105.00	110.00	1	0.7	13	2
			FX247096	110.00	115.00	59	0.8	33	3
115.00	170.00	METAVOLCANIC							
		Gray to green, 1-3% disseminated pyrite.	FX247097	115.00	120.00	15	0.9	29	2
			FX247098	120.00	125.00	1	0.8	14	2
			FX247099	125.00	130.00	5	1.3	40	2
			FX247100	130.00	135.00	6	0.1	38	2
			FX247101	135.00	140.00	4	1.2	25	2
			FX247102	140.00	145.00	6	1.3	26	3
			FX247103	145.00	150.00	11	0.5	45	2
			FX247104	150.00	155.00	7	0.2	31	2
			FX247105	155.00	160.00	6	0.4	32	2
			FX247106	160.00	165.00	8	0.9	35	2
			FX247107	165.00	170.00	10	0.7	54	2
170.00	195.00	METASEDIMENT							
		Dark gray, qtz-rich, 3-5% pyrite.	FX247108	170.00	175.00	6	0.2	14	2
			FX247109	175.00	180.00	1	0.3	26	2
			FX247110	180.00	185.00	3	0.5	41	2
			FX247111	185.00	190.00	12	0.9	32	2
			FX247112	190.00	195.00	15	1.8	47	2
195.00	225.00	METASEDIMENT							
		Dark gray, 1-3% disseminated pyrite.	FX247113	195.00	200.00	14	0.6	26	2
			FX247114	200.00	205.00	475	2.9	44	2
			FX247115	205.00	210.00	17	1	33	2
			FX247116	210.00	215.00	6	0.3	53	2
			FX247117	215.00	220.00	7	0.6	38	2
			FX247119	220.00	225.00	9	0.6	41	2
225.00	300.00	METAVOLCANIC							
		White to light green, foliated, gypsum	FX247120	225.00	230.00	13	0.7	27	2
		230-240, 1-2% disseminated pyrite.	FX247121	230.00	235.00	12	0.8	53	2
		Foot of hole.	FX247122	235.00	240.00	1	0.5	62	2
			FX247123	240.00	245.00	8	0.2	43	2
			FX247124	245.00	250.00	14	0.5	33	2
			FX247125	250.00	255.00	5	1	28	2
			FX247126	255.00	260.00	5	0.2	26	2
			FX247127	260.00	265.00	7	0.3	30	2
			FX247128	265.00	270.00	3	0.3	23	2
			FX247129	270.00	275.00	5	1	20	2
			FX247130	275.00	280.00	25	2.2	45	2
			FX247131	280.00	285.00	43	2	37	2

FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb	Ag ppm	Cu ppm	As ppm
			FX247132	285.00	290.00	75	3.2	192	30
			FX247133	290.00	295.00	61	1	147	45
			FX247134	295.00	300.00	35	0.9	100	16

BOREHOLE LOG

BOREHOLE :76089

DATE PRINTED 6/ 3/1989

NORTHING : 8360.00EASTING : 10437.00ELEVATION : 1270.00FINAL DEPTH 400.00

CLAIM # SE 113COMPLETED 06/04/88

SECTION 10400 E N OR S N

E OR W E STARTED 06/03/88

LOGGED BY P Thurston PROJECT STRAY ELEPHANT

MEASUREMENT UNITS M OR FT Ft DRILLED BY Young Expl

DRILL TYPE RCR BASELINE AZIMUTH 310

BOREHOLE BEARING(GRID BEARING)0 HOLE SIZE 5 Inch

LEVEL Surface COUNTRY USA

PROV/STATE Arizona ASSAYED FOR Au+ICP

COUNTY La Paz TOWNSHIP 3N

RANGE 20W SECTION 5

QUADRANGLE Middle Camp Mtn. 7.5'

DEVIATION RECORDS									
FOOTAGE	AZIMUTH	DIP	FOOTAGE	AZIMUTH	DIP	FOOTAGE	AZIMUTH	DIP	
.00	.00	-90.00	300.00	.00	-90.00				
FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb	Ag ppm	Cu ppm	As ppm
.00	55.00	METAVOLCANIC							
		White, argillic alteration, abundant	FX247135	.00	5.00	345	0.2	55	2
		clay, minor tourmaline, limonite	FX247136	5.00	10.00	18	0.1	24	2
		common.	FX247137	10.00	15.00	21	0.2	14	2
			FX247138	15.00	20.00	51	1.3	7	2
			FX247139	20.00	25.00	48	0.7	9	2
			FX247140	25.00	30.00	55	0.7	14	2
			FX247141	30.00	35.00	121	1.4	14	2
			FX247143	35.00	40.00	315	5.8	22	2
			FX247144	40.00	45.00	47	0.8	9	2
			FX247145	45.00	50.00	22	1.4	21	2
			FX247146	50.00	55.00	17	0.9	10	2
55.00	160.00	METAVOLCANIC							
		Light gray-green, phyllitic, trace to	FX247147	55.00	60.00	13	0.3	13	3
		1% tourmaline, 1-3% pyrite locally.	FX247148	60.00	65.00	5	0.3	13	2
			FX247149	65.00	70.00	7	0.4	26	2
			FX247150	70.00	75.00	6	0.3	18	2
			FX247151	75.00	80.00	4	0.4	16	2
			FX247152	80.00	85.00	5	0.1	15	2
			FX247153	85.00	90.00	6	0.6	14	2
			FX247154	90.00	95.00	8	0.5	18	2
			FX247155	95.00	100.00	3	0.4	12	2

FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb	Ag ppm	Cu ppm	As ppm
			FX247156	100.00	105.00	4	0.1	9	2
			FX247157	105.00	110.00	5	0.3	13	2
			FX247158	110.00	115.00	3	0.3	13	2
			FX247159	115.00	120.00	5	0.1	18	2
			FX247160	120.00	125.00	4	0.1	17	2
			FX247161	125.00	130.00	5	0.1	18	2
			FX247162	130.00	135.00	9	0.1	19	2
			FX247164	135.00	140.00	8	0.2	14	2
			FX247165	140.00	145.00	9	0.8	13	2
			FX247166	145.00	150.00	8	0.4	14	2
			FX247167	150.00	155.00	5	0.1	11	2
			FX247168	155.00	160.00	6	0.1	26	2
160.00	285.00	METASEDIMENT							
		Medium to dark gray-green, grains of quartz and feldspar in chloritic matrix, minor calcite, trace to 1% pyrite disseminated and in stringers, trace tourmaline locally.	FX247169	160.00	165.00	6	0.1	23	2
			FX247170	165.00	170.00	8	0.1	13	2
			FX247171	170.00	175.00	11	0.1	25	2
			FX247172	175.00	180.00	5	0.1	43	2
			FX247173	180.00	185.00	4	0.2	22	2
			FX247174	185.00	190.00	11	0.3	16	2
			FX247175	190.00	195.00	17	0.2	20	2
			FX247177	195.00	200.00	23	0.3	18	2
			FX247178	200.00	205.00	1	0.1	12	2
			FX247179	205.00	210.00	1	0.1	10	2
			FX247180	210.00	215.00	1	0.1	11	2
			FX247181	215.00	220.00	1	0.2	14	2
			FX247182	220.00	225.00	1	0.1	14	2
			FX247183	225.00	230.00	1	0.1	12	2
			FX247184	230.00	235.00	7	0.1	14	2
			FX247185	235.00	240.00	12	0.1	28	2
			FX247186	240.00	245.00	21	0.2	34	2
			FX247187	245.00	250.00	2	0.1	9	2
			FX247188	250.00	255.00	1	0.1	11	2
			FX247189	255.00	260.00	2	0.3	13	3
			FX247190	260.00	265.00	1	0.1	8	2
			FX247191	265.00	270.00	2	0.1	13	2
			FX247192	270.00	275.00	1	0.1	13	2
			FX247193	275.00	280.00	1	0.1	12	2
			FX247194	280.00	285.00	1	0.2	17	2
285.00	325.00	METAVOLCANIC							
		Tan to green, foliated, phyllitic, minor tourmaline, 3-5% pyrite.	FX247195	285.00	290.00	1	0.1	13	2
			FX247196	290.00	295.00	7	0.2	13	2
			FX247197	295.00	300.00	24	0.1	15	2
			FX247198	300.00	305.00	5	0.3	73	2
			FX247199	305.00	310.00	28	0.3	38	3
			FX247200	310.00	315.00	2	0.1	176	3



FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb	Ag ppm	Cu ppm	As ppm
			FX247201	315.00	320.00	3	0.1	33	2
			FX247202	320.00	325.00	1	0.2	18	2
325.00	400.00	METASEDIMENT							
		Dark gray-green, medium grained to	FX247203	325.00	330.00	1	0.1	12	2
		coarse grained, with chloritic matrix,	FX247204	330.00	335.00	1	0.2	11	2
		phyllitic, trace carbonate, minor	FX247205	335.00	340.00	3	0.1	16	2
		tourmaline, 1% pyrite average, but 3-5%	FX247206	340.00	345.00	5	0.1	19	2
		locally.	FX247207	345.00	350.00	1	0.1	13	2
		Foot of hole.	FX247208	350.00	355.00	1	0.1	10	2
			FX247210	355.00	360.00	18	0.1	8	2
			FX247211	360.00	365.00	4	0.1	13	2
			FX247212	365.00	370.00	6	0.1	25	2
			FX247213	370.00	375.00	5	0.1	11	2
			FX247214	375.00	380.00	8	0.1	4	2
			FX247216	380.00	385.00	16	0.1	16	2
			FX247217	385.00	390.00	4	0.1	7	2
			FX247218	390.00	395.00	4	0.1	8	2
			FX247219	395.00	400.00	6	0.1	14	2

BOREHOLE LOG

BOREHOLE :76090

DATE PRINTED6/ 3/1989

NORTHING : 8713.00EASTING : 8004.00ELEVATION : 1180.00FINAL DEPTH 300.00

CLAIM #SE 17COMPLETED06/06/88

SECTION8000 E N OR S N

E OR WE E STARTED06/05/88

LOGGED BYP Thurston PROJECTSTRAY ELEPHANT

MEASUREMENT UNITS M OR FT Ft DRILLED BYYoung Expl

DRILL TYPERCR BASELINE AZIMUTH310

BOREHOLE BEARING(GRID BEARING)0 HOLE SIZE5 Inch

LEVELSurface COUNTRYUSA

PROV/STATEArizona ASSAYED FORAu+ICP

COUNTYL a Paz TOWNSHIP4N

RANGE20W SECTION32

QUADRANGLEMiddle Camp Mtn. 7.5'

DEVIATION RECORDS										
FOOTAGE		AZIMUTH	DIP	FOOTAGE		AZIMUTH	DIP			
.00		.00	-90.00	300.00		.00	-90.00			
FROM	TO	DESCRIPTION		SAMPLE NBR	FROM	TO	Au ppb	Ag ppm	Cu ppm	As ppm
.00	25.00	METAVOLCANIC								
		White, argillic alteration, limonite		FX247220	.00	5.00	46	0.1	12	2
		and hematite.		FX247221	5.00	10.00	56	0.2	15	2
				FX247222	10.00	15.00	52	0.1	11	2
				FX247223	15.00	20.00	36	0.1	10	2
				FX247224	20.00	25.00	121	0.1	13	2
25.00	140.00	METAVOLCANIC								
		Pale to medium green, generally 1-2%		FX247225	25.00	30.00	124	0.2	11	2
		pyrite, minor iron oxide, 3-5% pyrite		FX247226	30.00	35.00	119	0.4	9	2
		70-135, 5-7% pyrite 135-140.		FX247227	35.00	40.00	86	0.3	19	2
				FX247228	40.00	45.00	26	0.1	16	2
				FX247229	45.00	50.00	30	0.1	19	2
				FX247230	50.00	55.00	23	0.1	16	2
				FX247231	55.00	60.00	77	0.3	19	2
				FX247232	60.00	65.00	27	0.3	10	2
				FX247233	65.00	70.00	48	0.1	24	2
				FX247235	70.00	75.00	85	0.1	20	2
				FX247236	75.00	80.00	220	0.1	60	2
				FX247237	80.00	85.00	146	0.1	45	2
				FX247238	85.00	90.00	27	0.1	12	2
				FX247239	90.00	95.00	23	0.3	10	2
				FX247240	95.00	100.00	33	0.2	11	2

FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb	Ag ppm	Cu ppm	As ppm
			FX247241	100.00	105.00	32	0.2	9	2
			FX247242	105.00	110.00	140	2.1	10	2
			FX247243	110.00	115.00	86	0.4	12	2
			FX247244	115.00	120.00	60	0.3	8	2
			FX247245	120.00	125.00	8	0.2	7	2
			FX247246	125.00	130.00	15	0.3	12	2
			FX247247	130.00	135.00	1	0.3	23	2
			FX247248	135.00	140.00	1	0.3	18	2
140.00	175.00	METAVOLCANIC							
		Medium to dark green, andesite or	FX247249	140.00	145.00	9	0.3	15	2
		basalt, schistose, 5-7% pyrite 140-145,	FX247250	145.00	150.00	7	0.3	9	2
		3-5% pyrite 145-165.	FX247251	150.00	155.00	1	0.3	7	2
			FX247252	155.00	160.00	2	0.4	6	2
			FX247253	160.00	165.00	43	0.1	7	2
			FX247254	165.00	170.00	38	0.3	10	2
			FX247255	170.00	175.00	1	0.3	11	2
175.00	195.00	METAVOLCANIC							
		Fault zone. Dark gray-green,	FX247256	175.00	180.00	112	0.4	31	2
		schistose, trace quartz, 3-5% pyrite	FX247257	180.00	185.00	11	0.2	6	2
		185-195.	FX247258	185.00	190.00	1	0.3	5	2
			FX247259	190.00	195.00	9	0.3	7	3
195.00	235.00	METAVOLCANIC							
		Dark green, andesite, foliated,	FX247260	195.00	200.00	6	0.2	7	2
		schistose, 1% tourmaline locally, 3-5%	FX247262	200.00	205.00	11	0.1	10	2
		pyrite.	FX247263	205.00	210.00	1	0.2	10	2
			FX247264	210.00	215.00	46	0.1	14	2
			FX247265	215.00	220.00	38	0.2	8	2
			FX247266	220.00	225.00	15	0.4	7	2
			FX247267	225.00	230.00	29	0.6	14	2
			FX247268	230.00	235.00	1	0.4	6	2
235.00	300.00	METAVOLCANIC							
		White to dark green, schistose,	FX247269	235.00	240.00	1	3.3	18	2
		sheared locally, trace tourmaline	FX247270	240.00	245.00	7	0.4	7	2
		locally, 3-5% pyrite.	FX247271	245.00	250.00	11	0.1	8	3
		Foot of hole.	FX247272	250.00	255.00	15	0.4	8	2
			FX247273	255.00	260.00	3	0.4	8	2
			FX247274	260.00	265.00	1	0.3	4	2
			FX247275	265.00	270.00	2	1.4	10	2
			FX247276	270.00	275.00	7	0.4	6	2
			FX247277	275.00	280.00	2	0.1	5	2
			FX247278	280.00	285.00	5	0.1	5	2
			FX247279	285.00	290.00	22	0.1	5	2
			FX247280	290.00	295.00	7	0.1	10	2
			FX247281	295.00	300.00	13	0.1	9	2

FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb	Ag ppm	Cu ppm	As ppm
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## BOREHOLE LOG

BOREHOLE : 76091

DATE PRINTED 15/ 2/1989

NORTHING : 8752.00 EASTING : 8405.00 ELEVATION : 1190.00 FINAL DEPTH 200.00

CLAIM #	SE 107	COMPLETED	06/06/88
SECTION	8400 E	N OR S	N
E OR W	E	STARTED	06/06/88
LOGGED BY	P Thurston	PROJECT	STRAY ELEPHANT
MEASUREMENT UNITS M OR FT	Ft	DRILLED BY	Young Expl
DRILL TYPE	RCR	BASELINE AZIMUTH	310
BOREHOLE BEARING(GRID BEARING)0		HOLE SIZE	5 Inch
LEVEL	Surface	COUNTRY	USA
PROV/STATE	Arizona	ASSAYED FOR	Au+ICP
COUNTY	La Paz	TOWNSHIP	4N
RANGE	20W	SECTION	32
QUADRANGLE	Middle Camp Mtn. 7.5'		

## DEVIATION RECORDS

FOOTAGE	AZIMUTH	DIP	FOOTAGE	AZIMUTH	DIP	FOOTAGE	AZIMUTH	DIP
.00	.00	-90.00	200.00	.00	-90.00			

FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb	Ag ppm	As ppm	Sb ppm	Cu ppm
.00	55.00	METAVOLCANIC								
		White, argillically altered tuffaceous	FX247282	.00	5.00	22	0.8	14	2	59
		rock, iron oxide, trace to 1% pyrite	FX247283	5.00	10.00	94	0.2	7	2	35
		locally.	FX247285	10.00	15.00	42	0.3	15	2	23
			FX247286	15.00	20.00	14	0.1	9	2	50
			FX247287	20.00	25.00	4	0.1	6	2	43
			FX247288	25.00	30.00	46	0.1	3	2	29
			FX247289	30.00	35.00	8	0.2	2	2	17
			FX247290	35.00	40.00	5	0.1	3	2	14
			FX247291	40.00	45.00	16	0.3	3	2	19
			FX247292	45.00	50.00	5	0.7	2	3	18
			FX247293	50.00	55.00	17	0.3	27	3	132
55.00	95.00	METAVOLCANIC								
		Green and gray schistose rock,	FX247294	55.00	60.00	44	0.3	21	2	70
		abundant clay, 1-2% pyrite.	FX247295	60.00	65.00	91	0.5	27	3	53
			FX247296	65.00	70.00	162	0.2	26	2	177
			FX247297	70.00	75.00	27	0.6	14	2	544
			FX247298	75.00	80.00	40	0.1	13	2	29
			FX247299	80.00	85.00	57	0.3	17	2	19
			FX247300	85.00	90.00	33	0.4	24	2	11
			FX247301	90.00	95.00	305	0.6	28	2	260

FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb	Ag ppm	As ppm	Sb ppm	Cu ppm
95.00	175.00	METAVOLCANIC								
		White to light gray, foliated, trace	FX247302	95.00	100.00	68	0.5	26	2	35
		gypsum, 3-5% pyrite disseminated and in	FX247303	100.00	105.00	113	0.4	26	2	144
		stringers.	FX247304	105.00	110.00	128	0.5	30	2	71
			FX247306	110.00	115.00	105	0.6	28	2	43
			FX247307	115.00	120.00	154	0.6	37	2	30
			FX247308	120.00	125.00	31	0.7	11	2	45
			FX247309	125.00	130.00	20	0.8	8	2	72
			FX247310	130.00	135.00	25	1.1	6	2	318
			FX247311	135.00	140.00	9	0.7	7	2	97
			FX247312	140.00	145.00	19	0.9	9	2	57
			FX247313	145.00	150.00	15	0.8	7	2	36
			FX247314	150.00	155.00	10	0.5	12	2	45
			FX247315	155.00	160.00	16	1	9	2	63
			FX247316	160.00	165.00	9	0.8	9	2	53
			FX247317	165.00	170.00	12	1.5	7	2	8
			FX247319	170.00	175.00	28	0.6	21	3	14
175.00	200.00	METAVOLCANIC								
		Green, foliated, 3-5% pyrite.	FX247320	175.00	180.00	37	0.5	18	2	16
		Foot of hole.	FX247321	180.00	185.00	31	0.4	22	2	14
			FX247322	185.00	190.00	102	0.5	22	2	13
			FX247323	190.00	195.00	64	0.5	56	3	41
			FX247324	195.00	200.00	38	0.8	26	3	89

## BOREHOLE LOG

BOREHOLE : 76092

DATE PRINTED 16/ 2/1989

NORTHING : 7929.00      EASTING : 7990.00      ELEVATION : 1270.00      FINAL DEPTH 400.00

CLAIM #	SE 18	COMPLETED	06/07/88
SECTION	8000 E	N OR S	N
E OR W	E	STARTED	06/07/88
LOGGED BY	P Thurston	PROJECT	STRAY ELEPHANT
MEASUREMENT UNITS M OR FT	Ft	DRILLED BY	Young Expl
DRILL TYPE	RCR	BASELINE AZIMUTH	310
BOREHOLE BEARING(GRID BEARING)	180	HOLE SIZE	5 Inch
LEVEL	Surface	COUNTRY	USA
PROV/STATE	Arizona	ASSAYED FOR	Au+ICP
COUNTY	La Paz	TOWNSHIP	4N
RANGE	20W	SECTION	32
QUADRANGLE	Middle Camp Mtn. 7.5'		

## DEVIATION RECORDS

FOOTAGE	AZIMUTH	DIP	FOOTAGE	AZIMUTH	DIP	FOOTAGE	AZIMUTH	DIP
.00	220.00	-45.00	400.00	220.00	-45.00			

FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb	Ag ppm	As ppm	Sb ppm	Cu ppm
.00	15.00	OVERBURDEN								
		Fill material for drill pad.	FX247325	.00	5.00	-	-	-	-	-
			FX247326	5.00	10.00	-	-	-	-	-
			FX247327	10.00	15.00	-	-	-	-	-
15.00	40.00	METAVOLCANIC								
		Dark green, fine grained, limonite common.	FX247328	15.00	20.00	17	0.9	10	2	52
			FX247329	20.00	25.00	11	0.5	10	2	48
			FX247330	25.00	30.00	24	0.8	14	2	91
			FX247331	30.00	35.00	22	0.9	19	2	89
			FX247332	35.00	40.00	29	1.7	27	2	92
40.00	80.00	METAVOLCANIC								
		Tuff, white to red, argillie alteration, iron oxide, minor pyrite.	FX247333	40.00	45.00	16	1.6	23	2	89
			FX247334	45.00	50.00	9	1.1	15	2	60
			FX247335	50.00	55.00	13	0.5	9	2	66
			FX247336	55.00	60.00	81	1.3	16	3	76
			FX247337	60.00	65.00	130	6.1	21	12	93
			FX247338	65.00	70.00	54	2.4	8	2	37
			FX247339	70.00	75.00	32	1.9	2	2	61
			FX247340	75.00	80.00	15	0.8	6	2	62
80.00	210.00	METAVOLCANIC								
		Phyllitic tuff, light gray-green, 2-3% pyrite 140-190 disseminated and in	FX247342	80.00	85.00	46	1.1	10	2	101
			FX247343	85.00	90.00	23	1.1	14	2	114

FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb	Ag ppm	As ppm	Sb ppm	Cu ppm
		stringers.	FX247344	90.00	95.00	56	0.7	17	2	112
			FX247345	95.00	100.00	23	0.6	15	2	75
			FX247346	100.00	105.00	16	0.6	5	2	41
			FX247347	105.00	110.00	22	0.5	22	2	29
			FX247348	110.00	115.00	55	0.4	20	2	25
			FX247349	115.00	120.00	29	0.7	14	2	24
			FX247350	120.00	125.00	27	0.8	4	2	52
			FX247351	125.00	130.00	18	0.2	8	2	16
			FX247352	130.00	135.00	17	0.4	7	2	513
			FX247353	135.00	140.00	32	0.9	10	2	625
			FX247354	140.00	145.00	25	0.8	8	2	519
			FX247356	145.00	150.00	20	1.2	13	2	680
			FX247357	150.00	155.00	19	0.8	9	2	360
			FX247358	155.00	160.00	9	0.3	6	2	194
			FX247359	160.00	165.00	15	0.9	6	2	377
			FX247360	165.00	170.00	12	0.4	9	2	17
			FX247361	170.00	175.00	16	0.4	10	2	25
			FX247362	175.00	180.00	13	0.4	11	2	22
			FX247363	180.00	185.00	16	0.1	7	2	7
			FX247364	185.00	190.00	21	0.6	9	2	10
			FX247365	190.00	195.00	50	0.3	9	2	14
			FX247366	195.00	200.00	10	0.6	5	2	7
			FX247367	200.00	205.00	8	0.3	6	2	3
			FX247368	205.00	210.00	7	0.7	12	2	6
210.00	400.00	METAVOLCANIC								
		Gray-green, tuffaceous 225-305,	FX247369	210.00	215.00	12	1.2	14	2	10
		phyllitic 305-400, 3-5% pyrite.	FX247370	215.00	220.00	8	0.7	9	2	9
		Foot of Hole.	FX247371	220.00	225.00	6	0.3	5	2	12
			FX247372	225.00	230.00	23	0.2	8	2	15
			FX247374	230.00	235.00	9	0.5	22	3	43
			FX247375	235.00	240.00	7	0.1	9	2	8
			FX247376	240.00	245.00	1	0.5	5	2	6
			FX247377	245.00	250.00	3	0.2	5	2	7
			FX247378	250.00	255.00	5	0.2	8	2	6
			FX247379	255.00	260.00	3	0.1	8	2	11
			FX247380	260.00	265.00	12	0.2	7	2	34
			FX247381	265.00	270.00	24	0.4	9	2	114
			FX247382	270.00	275.00	19	0.3	13	2	121
			FX247383	275.00	280.00	1	0.2	10	2	36
			FX247384	280.00	285.00	10	0.3	7	2	80
			FX247385	285.00	290.00	1	0.3	11	2	17
			FX247386	290.00	295.00	2	0.4	3	2	78
			FX247387	295.00	300.00	6	0.4	5	2	48
			FX247388	300.00	305.00	1	0.6	4	2	62
			FX247389	305.00	310.00	14	0.9	13	2	97
			FX247390	310.00	315.00	10	0.5	3	2	10
			FX247391	315.00	320.00	3	0.4	3	2	11



FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb	Ag ppm	As ppm	Sb ppm	Cu ppm
			FX247392	320.00	325.00	1	0.8	7	2	18
			FX247393	325.00	330.00	16	0.5	4	2	14
			FX247394	330.00	335.00	1	1.7	5	2	24
			FX247395	335.00	340.00	31	1.5	5	2	26
			FX247396	340.00	345.00	28	1.3	8	2	30
			FX247397	345.00	350.00	24	1.1	4	2	24
			FX247398	350.00	355.00	14	3	14	3	62
			FX247399	355.00	360.00	29	2	13	2	56
			FX247400	360.00	365.00	43	1.3	13	2	43
			FX247401	365.00	370.00	56	2.5	16	2	76
			FX247402	370.00	375.00	124	2.7	26	2	91
			FX247403	375.00	380.00	135	3.1	46	2	39
			FX247404	380.00	385.00	158	2.2	64	2	60
			FX247405	385.00	390.00	97	1.8	43	2	287
			FX247406	390.00	395.00	129	3.2	27	2	418
			FX247407	395.00	400.00	290	2.6	27	2	198

## BOREHOLE LOG

BOREHOLE : 76093

DATE PRINTED 16/ 2/1989

NORTHING : 10007.00      EASTING : 8009.00      ELEVATION : 1180.00      FINAL DEPTH 260.00

CLAIM #	SE 103	COMPLETED	06/08/88
SECTION	8000 E	N OR S	N
E OR W	E	STARTED	06/08/88
LOGGED BY	P Thurston	PROJECT	STRAY ELEPHANT
MEASUREMENT UNITS M OR FT	Ft	DRILLED BY	Young Expl
DRILL TYPE	RCR	BASELINE AZIMUTH	310
BOREHOLE BEARING(GRID BEARING)	180	HOLE SIZE	5 Inch
LEVEL	Surface	COUNTRY	USA
PROV/STATE	Arizona	ASSAYED FOR	Au+ICP
COUNTY	La Paz	TOWNSHIP	4N
RANGE	20W	SECTION	32
QUADRANGLE	Middle Camp Mtn. 7.5'		

## DEVIATION RECORDS

FOOTAGE	AZIMUTH	DIP	FOOTAGE	AZIMUTH	DIP	FOOTAGE	AZIMUTH	DIP
.00	220.00	-45.00	260.00	220.00	-45.00			

FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb	Ag ppm	As ppm	Sb ppm	Cu ppm
.00	45.00	OVERBURDEN								
		Mixture of metavolcanic and metasediment rock.	*****	.00	30.00					
			FX247408	30.00	35.00	62	0.8	23	2	109
			FX247410	35.00	40.00	85	1.3	27	2	126
			FX247411	40.00	45.00	34	0.4	22	2	101
45.00	65.00	METAVOLCANIC								
		White and red, argillic alteration, iron oxide.	FX247412	45.00	50.00	28	0.5	35	2	230
			FX247413	50.00	55.00	2	0.3	26	2	172
			FX247414	55.00	60.00	10	0.4	49	3	124
			FX247415	60.00	65.00	29	0.4	137	11	309
65.00	125.00	METAVOLCANIC								
		Shear zone. Rock is foliated, abundant clay.	FX247416	65.00	70.00	5	0.2	34	2	250
			FX247417	70.00	75.00	5	0.1	6	2	160
			FX247419	75.00	80.00	16	0.1	6	2	164
			FX247420	80.00	85.00	7	0.1	4	2	178
			FX247421	85.00	90.00	10	0.2	4	2	232
			FX247422	90.00	95.00	4	0.1	3	2	248
			FX247423	95.00	100.00	4	0.1	6	2	214
			FX247424	100.00	105.00	8	0.1	6	2	229
			FX247425	105.00	110.00	14	0.2	8	2	134
			FX247426	110.00	115.00	30	0.1	22	3	149

FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb	Ag ppm	As ppm	Sb ppm	Cu ppm
			FX247427	115.00	120.00	20	0.2	5	2	233
			FX247428	120.00	125.00	67	0.1	6	2	181
125.00	260.00	METAVOLCANIC								
		Gray-green, schistose andesite to	FX247429	125.00	130.00	57	0.3	4	2	257
		basalt, 1-2% pyrite.	FX247430	130.00	135.00	12	0.2	3	2	195
		Foot of hole.	FX247431	135.00	140.00	7	0.1	5	2	27
			FX247432	140.00	145.00	4	0.1	4	2	33
			FX247433	145.00	150.00	6	0.1	5	2	24
			FX247434	150.00	155.00	17	0.1	6	2	130
			FX247435	155.00	160.00	8	0.1	7	2	51
			FX247436	160.00	165.00	9	0.1	4	2	53
			FX247437	165.00	170.00	24	0.1	6	2	77
			FX247438	170.00	175.00	15	0.1	5	4	63
			FX247439	175.00	180.00	27	0.1	4	2	65
			FX247440	180.00	185.00	12	0.1	7	5	88
			FX247442	185.00	190.00	33	0.1	5	4	238
			FX247443	190.00	195.00	10	0.1	4	4	316
			FX247444	195.00	200.00	1	0.2	5	2	281
			FX247445	200.00	205.00	20	0.1	4	2	207
			FX247446	205.00	210.00	3	0.1	7	2	168
			FX247447	210.00	215.00	7	0.1	8	4	138
			FX247448	215.00	220.00	2	0.1	5	2	107
			FX247449	220.00	225.00	4	0.6	6	2	71
			FX247450	225.00	230.00	6	0.1	5	4	120
			FX247451	230.00	235.00	5	0.1	2	2	66
			FX247452	235.00	240.00	1	0.1	7	2	63
			FX247453	240.00	245.00	1	0.1	7	2	88
			FX247454	245.00	250.00	15	0.1	13	4	87
			FX247455	250.00	255.00	9	0.1	12	3	95
			FX247456	255.00	260.00	1	0.1	8	3	71

## BOREHOLE LOG

BOREHOLE :76094

DATE PRINTED 16/ 2/1989

NORTHING : 10200.00 EASTING : 6800.00 ELEVATION : 1150.00 FINAL DEPTH 292.00

CLAIM #	SE 14	COMPLETED	06/11/88
SECTION	6800 E	N OR S	N
E OR W	E	STARTED	06/10/88
LOGGED BY	J Lukens	PROJECT	STRAY ELEPHANT
MEASUREMENT UNITS M OR FT	Ft	DRILLED BY	Young Expl
DRILL TYPE	RCR	BASELINE AZIMUTH	310
BOREHOLE BEARING(GRID BEARING)	180	HOLE SIZE	5 Inch
LEVEL	Surface	COUNTRY	USA
PROV/STATE	Arizona	ASSAYED FOR	Au+ICP
COUNTY	La Paz	TOWNSHIP	4N
RANGE	20W	SECTION	32
QUADRANGLE	Middle Camp Mtn. 7.5'		
COMMENTS Hole abandoned at 292 ft due to caving at 180 ft			

## DEVIATION RECORDS

FOOTAGE	AZIMUTH	DIP	FOOTAGE	AZIMUTH	DIP	FOOTAGE	AZIMUTH	DIP
.00	220.00	-60.00	292.00	220.00	-60.00			

FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb	Ag ppm	As ppm	Sb ppm	Cu ppm
.00	180.00	OVERBURDEN								
		Mixture of aluvium composed of of metavolcanic, metasediment and granitic rock.	*****	.00	15.00					
			FX247457	15.00	20.00	1	0.1	31	2	35
			FX247458	20.00	25.00	1	0.1	41	2	31
			FX247459	25.00	30.00	1	0.1	42	2	33
			FX247460	30.00	35.00	5	0.1	38	2	24
			FX247461	35.00	40.00	2	0.1	36	2	38
			FX247463	40.00	45.00	10	0.1	39	2	30
			FX247464	45.00	50.00	5	0.1	54	2	30
			FX247465	50.00	55.00	3	0.1	28	2	34
			FX247466	55.00	60.00	9	0.1	32	2	34
			FX247467	60.00	65.00	3	0.1	34	2	34
			FX247468	65.00	70.00	1	0.1	35	2	33
			FX247469	70.00	75.00	3	0.1	35	2	37
			FX247470	75.00	80.00	4	0.1	40	2	35
			FX247471	80.00	90.00	3	0.1	39	2	30
			FX247472	90.00	95.00	2	0.1	40	2	29
			FX247473	95.00	100.00	7	0.3	33	2	30
			FX247474	100.00	105.00	4	0.1	39	2	35
			FX247475	105.00	110.00	3	0.1	40	2	31

FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb	Ag ppm	As ppm	Sb ppm	Cu ppm
			FX247476	110.00	115.00	8	0.1	40	2	35
			FX247477	115.00	120.00	2	0.1	40	2	36
			FX247478	120.00	125.00	8	0.4	38	2	35
			FX247479	125.00	130.00	3	0.1	37	2	29
			FX247480	130.00	135.00	5	0.1	35	2	26
			FX247481	135.00	140.00	10	0.1	40	3	26
			FX247482	140.00	145.00	2	0.1	35	2	25
			FX247483	145.00	150.00	6	0.1	41	2	28
			FX247484	150.00	155.00	20	0.1	38	2	28
			FX247485	155.00	160.00	15	0.1	34	2	27
			FX247486	160.00	165.00	22	0.2	33	2	31
			FX247487	165.00	170.00	18	0.2	30	2	38
180.00	292.00	METAVOLCANIC								
		Green to dark green latite to	FX247488	185.00	190.00	15	0.1	30	2	35
		andesite, locally strongly foliated,	FX247490	190.00	195.00	25	0.1	33	2	35
		locally phyllitic, 1% disseminated	FX247491	195.00	200.00	28	0.2	40	2	33
		pyrite.	FX247492	200.00	205.00	34	0.1	35	2	30
		Foot of hole.	FX247493	205.00	210.00	20	0.1	29	2	35
			FX247494	210.00	215.00	6	0.1	33	2	47
			FX247495	215.00	220.00	26	0.1	32	2	71
			FX247496	220.00	225.00	8	0.1	20	2	65
			FX247497	225.00	230.00	12	0.1	20	2	38
			FX247498	230.00	235.00	11	0.2	14	2	59
			FX247499	235.00	240.00	7	0.1	12	2	49
			FX247500	240.00	245.00	1	0.1	15	2	51
			FX247502	245.00	250.00	21	0.1	13	2	61
			FX247503	250.00	255.00	17	0.1	18	2	50
			FX247504	255.00	260.00	14	0.1	12	2	93
			FX247505	260.00	265.00	16	0.1	13	2	120
			FX247506	265.00	270.00	26	0.1	14	2	120
			FX247507	270.00	275.00	1	0.1	5	2	110
			FX247508	275.00	280.00	3	0.1	9	2	92
			FX247509	280.00	285.00	9	0.1	6	3	44
			FX247510	285.00	290.00	10	0.2	6	2	47
			FX247511	290.00	292.00	11	0.1	11	3	51

1988 Drill Holes

## SKYLINE LABS, INC.

SPECIALISTS IN EXPLORATION GEOCHEMISTRY

12090 WEST 50TH PLACE • WHEAT RIDGE, COLORADO 80033 • TEL.: (303) 424-7718

## REPORT OF ANALYSIS

JOB NO. DBB 573

June 25, 1988

P.O. NO: 103-690

SHIPMENT NO: 1063-I

American Copper and Nickel Co., Inc.  
 Attn: M. Mason  
 4860 Robb Street  
 Wheat Ridge, Colorado 80033

## Analysis of 56 Pulps

ITEM	SAMPLE NUMBER	Au (ppb)	Ag (ppm)
1	FX205945	<20.	.2
2	FX205946	115/10' [30.	.4
3	FX205947	100.	.6
4	FX205948	30.	.8
5	FX205949	30.	.8
6	FX205950	50.	.6
7	FX205951	4200.	1.4
8	FX205952	30.	.6
9	FX205953	40.	.4
10	FX205954	<20.	<.2
11	FX205955	<20.	<.2
12	FX205956	<20.	.2
13	FX205957	55-60' -560.	<.2
14	FX205958	90.	.2
15	FX205959	30.	<.2
16	FX205960	80.	<.2
17	FX205961	50.	.2
18	FX205962	70.	<.2
19	FX205963	60.	.4
20	FX205964	40.	.2

↓ 76086  
 5-15/ 115 ppb Au

std

1988 Drilling

RECEIVED  
 JUN 27 1988  
 AMERICAN COPPER & NICKEL CO., INC.  
 RENO

ITEM	SAMPLE NUMBER	Au (ppb)	Ag (ppm)	
21	FX205965	<20.	<.2	↓
22	FX205966	60.	<.2	
<del>23</del>	<del>FX205967</del>	<del>2500.</del>	<del>2.0</del>	
24	FX205968	<20.	.2	
25	FX205969	40.	<.2	
26	FX205970	60.	.8	
27	FX205971	40.	.6	
28	FX205972	<20.	.4	
29	FX205973	<20.	.4	
30	FX205974	40.	.2	
31	FX205975	<20.	.4	
32	FX205976	<20.	<.2	
33	FX205977	<20.	<.2	
34	FX205978	30.	.6	
35	FX205979	<20.	.8	
36	FX205980	30.	.6	
<del>37</del>	<del>FX205981</del>	<del>3700.</del>	<del>1.2</del>	std 76086
38	FX205982	60.	<.2	
39	FX205983	50.	.4	
40	FX205984	250.	.4	
41	FX205985	310.	.2	
42	FX205986	50.	<.2	
43	FX205987	30.	.4	
44	FX205988	70.	.6	
45	FX205989	-510.	.4	
46	FX205990	<20.	.6	
47	FX205991	30.	.4	
48	FX205992	<20.	.4	
<del>49</del>	<del>FX205993</del>	<del>2200.</del>	<del>2.0</del>	std
50	FX205994	-240.	.4	↑

D6 F  
57

JOB NO. DBB 573  
June 25, 1988  
PAGE 3

ITEM	SAMPLE NUMBER	Au (ppb)	Ag (ppm)
51	FX205995	40.	.8
52	FX205996	20.	.4
53	FX205997	30.	.4
54	FX205998	40.	.4
55	FX205999	50.	1.0
56	FX206000	30.	.6

76086



Gordon H. VanSickle  
Manager

cc: J. Lukens, Sparks



GEOCHEMICAL ANALYSIS CERTIFICATE

ICL - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO<sub>3</sub>-H<sub>2</sub>O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LACQUE IS PARTIAL FOR MN, CR, P, LA, CE, MO, BA, Y, B AND LIMITED FOR NA, F AND AL. AN DETECTION LIMIT BY ICP IS 3 PPM. NO ANALYSIS BY ACID LACQUE/AL FROM 20 GRAM SAMPLE.

DATE RECEIVED: JUN 21 1968

DATE REPORT MAILED:

July 4/88

ASSAYER. C. C. Fier

J. D. TSYE OR C. LEONG

CERTIFIED B.C. ASSAYERS

A.C.N.C. SPARKS PROJECT-103.690 #1063 File # 88-2211

Page 1

SAMPLE#	NO	C	Pb	Ln	Ag	Ni	Co	Mn	Fe	As	U	Au	Ta	St	Cd	Sb	B	V	Ca	P	Mo	Cr	Hg	Ba	Ti	O	Al	Si	F	V	As	
PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER
TX 247001	5	51	122	191	.3	8	14	841	3.30	23	5	ND	22	51	2	2	1	11	1.50	.046	17	30	.59	42	.01	2	.84	.02	.38	1	51	1
TX 247002	1	35	152	204	.4	9	12	796	2.97	16	5	ND	23	46	2	2	1	9	1.59	.047	.0	12	.57	32	.01	12	.70	.01	.34	1	26	1
TX 247003	3	24	250	358	.3	8	12	856	2.71	13	5	ND	25	44	4	2	1	16	1.56	.048	.0	13	.73	21	.61	2	.75	.01	.39	1	39	1
TX 247004	2	33	184	185	.2	8	16	961	2.69	15	5	ND	28	49	1	2	1	12	1.75	.052	.0	13	.98	18	.01	10	.94	.01	.21	1	39	1
TX 247005	5	37	174	306	.3	7	15	937	2.78	14	5	ND	26	45	3	2	1	9	1.78	.050	.0	16	.82	26	.01	6	.85	.01	.21	1	53	1
TX 247006	8	22	220	157	.3	7	0	334	2.09	12	5	ND	26	44	2	3	1	4	.71	.045	.7	17	.21	21	.61	2	.37	.01	.18	1	18	1
TX 247007	3	436	57	134	.2	7	9	1021	3.33	56	5	ND	32	27	1	2	1	8	1.06	.049	.2	22	.70	20	.31	2	.94	.01	.16	1	51	1
TX 247008	3	565	43	101	.2	7	10	1052	3.25	104	5	ND	27	22	1	4	1	10	.88	.046	.0	15	.73	24	.01	5	.36	.01	.22	1	131	1
TX 247009	6	102	53	33	.2	1	4	213	1.70	31	5	ND	18	212	1	2	1	12	1.22	.021	.5	42	.19	29	.01	6	.48	.02	.19	1	7	1
TX 247010	4	225	40	45	.2	2	14	958	1.89	35	5	ND	19	192	1	2	1	9	.37	.020	.3	16	.22	136	.01	2	.49	.03	.18	1	14	1
TX 247011	5	52	39	28	.1	1	7	509	1.47	21	5	ND	17	156	1	2	1	4	.10	.014	.0	32	.06	121	.01	4	.34	.03	.12	1	1	1
TX 247012	4	35	33	26	.1	1	4	412	1.50	24	5	ND	17	155	1	2	1	4	.00	.014	.22	16	.06	107	.01	7	.36	.03	.12	1	1	1
TX 247013	6	69	32	44	.1	2	13	1537	1.63	35	5	ND	19	157	1	3	1	4	.15	.016	.1	34	.06	157	.01	3	.35	.02	.16	1	3	1
TX 247014	4	128	40	52	.2	4	11	1187	2.63	36	5	ND	21	151	1	4	1	4	.16	.022	.6	14	.13	118	.01	4	.42	.02	.19	1	4	1
TX 247015	4	30	57	29	.1	2	2	176	1.69	39	5	ND	18	166	1	2	1	2	.08	.033	.4	33	.67	99	.31	6	.40	.02	.14	1	1	1
TX 247016	3	28	79	21	.2	2	1	146	1.40	23	5	ND	16	165	1	2	1	2	.04	.010	.81	16	.04	75	.61	2	.36	.01	.12	1	1	1
TX 247017	5	51	55	32	.3	1	3	312	1.45	21	5	ND	18	142	1	2	1	2	.07	.039	.9	30	.07	53	.61	2	.31	.01	.39	1	1	1
TX 247018	5	89	82	58	.4	1	23	3912	1.54	43	5	ND	14	145	1	5	1	4	.04	.068	.42	17	.04	73	.61	2	.39	.01	.15	1	1	1
TX 247019	7	60	314	39	.2	2	13	2427	1.40	31	5	ND	17	32	1	4	1	19	.3	.04	.619	24	.39	.39	.39	.39	.39	.39	.39	.39	.39	.39
TX 247020	7	38	295	67	.1	1	3	458	1.53	44	1	ND	23	164	1	5	1	6	.05	.025	.2	17	.03	64	.61	8	.34	.01	.12	1	1	1
TX 247021	8	84	169	67	.1	1	3	457	1.53	57	5	ND	24	166	1	12	1	4	.13	.017	.16	37	.08	57	.61	1	.34	.01	.12	1	1	1
TX 247022	7	260	131	74	.1	2	5	535	2.54	51	5	ND	15	174	1	4	1	7	.27	.620	.17	12	.24	36	.37	5	.45	.01	.16	1	12	1
TX 247023	21	153	104	59	.2	1	6	469	2.17	29	5	ND	12	152	1	27	1	3	.13	.012	.6	26	.12	30	.61	3	.35	.01	.14	1	5	1
TX 247024	10	16	6	51	.1	1	1	1	1	1	1	ND	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TX 247025	25	75	165	38	.1	3	3	294	1.62	26	1	ND	13	53	1	2	1	2	.67	.034	.3	14	.06	35	.01	4	.31	.01	.12	1	4	1
TX 247026	11	239	311	59	.2	1	11	825	2.37	39	5	ND	15	177	1	3	1	3	.21	.013	.11	20	.19	52	.61	1	.42	.01	.13	1	9	1
TX 247027	6	312	56	88	.2	3	12	1113	3.11	37	5	ND	17	62	1	3	1	1	.31	.020	.15	14	.27	77	.37	2	.57	.01	.12	1	19	1
TX 247028	9	328	91	93	.2	2	21	2261	3.11	43	5	ND	15	182	1	2	1	3	.30	.027	.21	24	.25	19	.61	2	.45	.01	.12	1	35	1
TX 247029	9	243	58	104	.2	2	25	2439	3.63	25	5	ND	16	177	1	2	1	3	.15	.022	.18	21	.12	33	.61	6	.53	.01	.12	1	118	1
TX 247030	10	126	29	36	.2	1	9	362	3.17	22	5	ND	11	151	1	2	1	4	.06	.035	.1	21	.06	56	.37	2	.58	.01	.12	1	425	1
TX 247031	5	83	74	49	.1	1	3	395	2.47	3	5	ND	15	147	1	2	1	3	.08	.025	.11	8	.05	53	.31	1	.34	.02	.13	1	23	1
TX 247032	11	14	170	35	.1	1	4	239	2.47	3	5	ND	14	96	1	2	1	2	.06	.021	.11	25	.04	131	.61	3	.56	.02	.12	1	26	1
TX 247033	4	54	60	43	.1	1	4	565	3.15	3	5	ND	13	194	1	2	1	3	.07	.029	.11	2	.05	63	.61	4	.84	.01	.12	1	56	1
TX 247034	10	162	82	55	.1	2	7	716	2.57	25	5	ND	16	111	1	3	1	6	.22	.017	.1	30	.35	106	.61	5	.84	.01	.13	1	5	1
TX 247035	12	71	33	64	.1	1	7	708	2.57	3	5	ND	13	134	1	1	1	2	.05	.015	.11	3	.64	53	.31	3	.76	.01	.13	1	193	1
TX 247036	9	45	45	58	.1	1	5	597	2.57	16	5	ND	16	165	1	2	1	2	.16	.024	.11	16	.04	43	.61	2	.74	.01	.13	1	8	1
TX 247037	17	58	35	132	.1	1	28	1888	4.61	11	16	5	ND	17	17	1	18	.57	.031	.11	58	.04	178	.07	34	1.92	.06	.14	1	565	1	

76081

71086

SMPL#	NO	CU	PO	LA	AG	NI	CO	KA	FE	AS	V	MO	TA	SR	CD	SB	BL	V	CA	P	LA	CR	MG	BA	TI	AL	BA	I	V	AN	
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	
TX 247037	7	77	110	115	.3	7	7	942	4.16	7	8	ND	23	200	1	4	4	24	.09	.044	34	14	.06	45	.01	2	1.09	.01	11	1	8
TX 247038	9	103	56	80	2.5	3	4	116	2.76	7	5	2	12	113	1	3	2	14	.09	.022	22	15	.07	35	.01	2	1.00	.01	11	1	1310
TX 247039	6	638	60	109	2.4	9	11	70	2.45	6	5	ND	19	87	1	3	2	8	.07	.028	24	11	.13	41	.01	2	.03	.01	16	1	54
TX 247040	15	2671	140	423	2.0	16	30	307	3.08	5	5	ND	22	222	2	2	10	21	.16	.055	53	26	.68	53	.02	2	1.50	.01	46	1	67
TX 247041	9	361	68	427	.4	17	19	535	3.72	10	5	ND	24	354	1	2	3	24	.67	.062	59	14	.92	73	.03	2	2.25	.02	68	1	59
TX 247042	15	1640	69	139	.5	12	21	166	4.07	15	5	ND	10	210	1	2	6	9	.21	.040	70	55	.31	50	.01	2	1.01	.01	.27	1	87
TX 247043	14	1278	56	220	.5	13	22	163	7.61	18	5	ND	22	272	1	2	4	9	.16	.044	38	25	.32	33	.01	2	.95	.01	.29	3	130
TX 247044	14	663	56	223	.5	13	18	200	5.91	17	6	ND	24	257	1	3	2	14	.16	.040	42	45	.44	47	.02	4	1.04	.02	.37	2	97
TX 247045	13	499	49	238	.1	12	13	248	4.50	9	5	ND	25	245	1	2	2	17	.11	.050	51	18	.56	53	.02	10	1.16	.02	.42	2	40
TX 247046	16	11	7	92	1.8	12	1	88	7.1	97	5	3	1	36	1	22	2	25	.27	.006	3	239	.01	306	.01	10	1.16	.02	.42	2	40
TX 247047	9	590	26	300	.2	15	15	388	3.48	8	5	ND	25	230	1	2	2	10	.16	.040	38	36	.76	61	.04	12	1.41	.02	.61	1	55
TX 247048	7	519	30	485	.1	17	26	357	3.57	36	5	ND	20	93	0	2	2	15	.50	.044	27	21	.51	66	.02	19	1.46	.01	.52	2	139
TX 247049	9	363	27	493	.3	19	27	442	3.76	26	13	ND	25	51	24	4	4	17	.47	.051	37	33	.70	63	.04	10	1.43	.02	.63	1	124
TX 247050	5	143	25	512	.1	16	30	259	3.72	8	5	ND	25	23	5	2	2	10	.32	.057	55	17	.00	69	.05	13	1.24	.02	.68	1	78
TX 247051	5	140	30	735	.1	24	58	5593	4.33	17	5	ND	27	24	4	4	2	17	.32	.056	47	38	.91	60	.06	4	1.36	.01	.72	371	57
TX 247052	5	65	35	412	.1	18	41	4363	3.33	28	5	ND	25	12	1	4	2	13	.26	.052	36	23	.40	52	.07	2	.06	.01	.52	71	121
TX 247053	4	72	29	236	.2	13	22	1979	3.25	8	5	ND	24	34	1	3	2	23	.66	.051	24	31	.85	67	.15	9	1.27	.02	.76	13	25
TX 247054	4	62	55	136	.3	10	19	631	3.35	5	5	ND	23	41	1	2	2	27	.70	.052	19	13	.85	58	.14	2	1.12	.02	.68	85	30
TX 247055	4	116	36	170	.2	12	17	740	3.35	7	5	ND	19	46	5	2	2	29	.71	.053	16	33	.96	69	.15	2	1.34	.02	.79	16	38
TX 247056	4	204	76	344	.4	11	24	1086	3.36	7	5	ND	19	28	8	2	2	25	.42	.055	15	12	1.01	71	.15	2	1.38	.02	.84	1	33
TX 247057	4	100	38	289	.1	13	23	1759	3.40	6	5	ND	18	39	5	2	2	20	.43	.056	14	27	1.07	79	.16	2	1.53	.02	.93	1	63
TX 247058	3	59	54	156	.1	11	16	750	3.19	4	5	ND	17	52	2	2	2	31	.76	.055	14	12	1.85	72	.17	2	1.50	.02	.91	1	22
TX 247059	22	49	58	110	.1	8	13	553	3.11	4	5	ND	20	46	1	2	2	24	.88	.054	16	42	.94	58	.17	5	1.30	.02	.78	1	13
TX 247060	4	24	32	97	.1	9	14	531	3.06	9	5	ND	19	48	1	2	5	27	.88	.054	14	28	1.03	66	.17	8	1.44	.02	.91	1	14
TX 247061	1	18	35	102	.4	8	13	400	2.86	13	5	ND	19	56	1	2	2	32	.76	.054	16	13	1.06	65	.17	9	1.49	.02	.86	1	5
TX 247062	4	40	33	111	.1	9	13	603	3.13	14	5	ND	17	40	1	2	2	31	1.00	.056	18	32	1.16	66	.14	15	1.49	.02	.92	1	13
TX 247063	1	33	41	126	.1	9	12	645	2.85	12	5	ND	18	50	1	2	4	28	.95	.051	23	15	1.07	64	.13	2	1.50	.02	.89	1	6
TX 247064	3	66	63	127	.4	9	14	970	3.21	9	5	ND	25	44	1	4	4	24	1.42	.051	38	30	1.04	64	.07	2	1.47	.02	.81	1	20
TX 247065	2	169	51	112	.4	10	17	771	3.04	5	5	ND	20	35	1	2	3	23	1.21	.057	22	14	1.05	65	.11	8	1.36	.02	.84	1	39
TX 247066	4	173	50	129	.2	11	20	868	3.04	6	5	ND	23	38	1	2	2	22	1.40	.056	35	26	.98	56	.07	2	1.22	.02	.75	1	24
TX 247067	3	98	46	119	.1	8	14	906	3.07	9	5	ND	21	63	1	2	2	13	2.09	.049	46	15	.79	58	.04	2	1.05	.02	.56	1	26
TX 247068	3	49	55	121	.1	11	12	1037	3.15	11	5	ND	23	54	1	2	2	19	1.05	.052	46	30	.86	62	.05	8	1.22	.02	.67	1	19
TX 247069	5	162	53	226	.4	12	17	1046	4.29	10	5	ND	12	43	1	2	2	39	1.68	.067	29	17	1.51	56	.06	2	1.00	.02	.71	1	30
TX 247070	2	69	60	181	.3	12	20	904	4.71	4	5	ND	8	38	1	2	2	53	1.14	.059	14	33	1.63	71	.12	2	2.03	.02	.86	1	18
TX 247071	1	45	12	54	.2	3	2	39	2.05	32	5	ND	14	132	1	2	3	9	3.85	.026	31	11	.29	137	.01	2	.86	.13	.29	1	7
TX 247072	1	68	47	132	6.5	48	27	1059	4.09	42	54	1	37	48	14	13	21	57	.47	.004	39	57	.04	134	.07	30	1.95	.06	.14	11	465

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SAMPLE#	NO	Cu	Pb	La	Ag	Bi	Co	Mo	Fe	As	U	Al	Th	Sc	Cd	Sb	Si	V	Ca	P	La	Cr	Mg	Ba	Cl	B	Al	Na	F	Au*	
PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM	
TX 247073	3	45	16	47	-1	1	1	41	2.13	32	5	ND	17	70	1	2	2	6	.62	.026	37	36	.00	71	.01	14	.65	.13	.24	1	4
TX 247074	2	46	123	10	-7	1	1	49	2.40	20	5	ND	22	69	1	4	4	4	.23	.043	42	13	.05	75	.01	16	.67	.13	.30	1	1
TX 247075	3	60	35	61	-5	1	2	61	3.08	10	5	ND	22	56	1	2	2	7	.06	.045	38	31	.04	90	.01	11	.82	.11	.10	1	1
TX 247076	4	67	30	20	-1	2	3	52	3.20	23	5	ND	10	51	1	2	5	5	.09	.051	24	41	.02	49	.01	10	.16	.06	.27	2	1
TX 247077	3	52	5	49	-1	1	1	49	2.19	17	5	ND	20	42	1	3	2	6	.04	.030	43	31	.00	81	.01	3	.67	.09	.27	1	1
TX 247078	2	72	4	53	-1	2	2	50	2.36	37	5	ND	19	45	1	2	2	6	.04	.031	40	16	.07	77	.01	6	.69	.06	.26	1	1
TX 247079	3	43	179	34	-8	1	3	163	2.61	18	5	ND	18	60	1	2	2	4	.16	.043	30	32	.04	73	.01	5	.48	.11	.23	1	2
TX 247080	2	75	170	64	-2	1	2	131	2.26	23	5	ND	16	63	1	2	6	6	.13	.040	40	13	.04	88	.01	5	.60	.08	.26	1	1
TX 247081	3	112	69	134	-3	2	6	64	2.77	25	5	ND	26	74	1	2	2	14	.11	.050	54	24	.30	69	.05	5	.96	.06	.45	1	1
TX 247082	2	65	11	201	-2	4	6	410	2.88	24	5	ND	29	29	1	2	2	14	.12	.045	61	13	.44	70	.07	4	.90	.04	.49	1	19
TX 247083	3	61	20	177	-2	3	4	370	2.92	25	6	ND	30	45	1	2	5	14	.07	.055	76	30	.50	57	.06	6	.94	.04	.53	1	5
TX 247084	3	65	256	120	-3	1	4	247	3.02	31	5	ND	25	32	1	2	5	10	.05	.054	65	14	.22	58	.03	7	.67	.06	.39	1	1
TX 247085	3	59	15	107	-1	3	4	210	3.13	21	5	ND	23	20	1	2	2	15	.04	.046	20	29	.40	54	.00	6	.87	.02	.50	1	12
TX 247086	3	59	15	107	-1	3	4	210	3.13	21	5	ND	23	20	1	2	2	15	.04	.046	20	29	.40	54	.00	6	.87	.02	.50	1	1
TX 247087	1	41	10	52	-3	3	6	116	3.04	26	5	ND	25	17	1	2	2	16	.07	.042	48	14	.29	58	.05	7	.61	.03	.36	1	1
TX 247088	3	24	50	24	-1	1	2	36	2.87	28	5	ND	19	18	1	2	5	9	.02	.030	41	30	.05	104	.01	0	.30	.04	.34	1	1
TX 247089	1	59	37	23	-9	4	6	33	2.77	34	5	ND	25	21	1	2	4	9	.04	.035	55	14	.04	70	.01	0	.52	.04	.29	1	1
TX 247090	2	55	54	33	-6	1	4	56	2.66	27	5	ND	25	16	1	2	2	10	.03	.035	55	27	.15	61	.02	6	.50	.04	.32	1	2
TX 247091	2	74	51	24	-1	3	5	26	3.27	29	5	ND	19	12	1	2	2	5	.03	.026	34	14	.04	77	.01	7	.57	.07	.33	1	1
TX 247092	3	436	82	43	1.0	4	13	20	3.66	25	5	ND	23	9	1	2	5	4	.04	.010	30	32	.03	31	.01	10	.65	.03	.10	1	1
TX 247093	2	107	41	44	-6	2	6	30	3.13	27	5	ND	19	11	1	2	5	4	.03	.012	32	15	.03	38	.01	5	.47	.04	.18	1	1
TX 247094	5	60	136	23	-7	1	2	31	2.29	13	5	ND	17	24	1	2	6	1	.02	.023	19	48	.02	82	.01	6	.29	.07	.25	1	1
TX 247095	20	14	5	97	-1	1	1	125	.99	136	5	5	1	64	1	25	5	30	.95	.005	3	232	.03	155	.01	2	.11	.01	.05	11	1400
TX 247096	3	110	167	110	-8	3	5	62	3.07	33	5	ND	28	37	2	3	2	3	.18	.043	49	16	.04	38	.01	4	.69	.12	.20	1	59
TX 247097	3	1297	264	299	-9	4	11	77	4.04	29	5	ND	28	27	5	2	2	2	.17	.030	52	29	.11	33	.01	6	.71	.02	.13	1	15
TX 247098	2	973	205	211	-8	4	8	84	2.61	14	5	ND	29	20	5	2	2	2	.11	.025	56	10	.10	43	.01	7	.49	.01	.15	1	1
TX 247099	3	219	340	417	1.3	7	37	1862	4.83	40	8	ND	42	20	34	2	4	4	.22	.067	75	36	.26	58	.01	10	.62	.02	.26	1	5
TX 247100	1	27	85	630	-1	0	60	5999	5.49	30	5	ND	26	6	2	2	2	6	.30	.052	50	13	.41	53	.02	17	.64	.02	.33	1	6
TX 247101	1	61	37	133	-6	63	25	1355	4.09	46	16	8	37	47	24	16	19	50	.46	.001	39	56	.42	138	.03	24	1.41	.04	.13	12	615

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## GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
THIS ANALYSIS IS PARTIAL FOR NA, FE, SI, CA, P, LA, CE, MG, BA, TI, B, V AND AL. NO DETECTION LIMIT BY ICP IS 3 PPM.  
- SAMPLE TYPE: ROCK PULP ANALYSIS BY ACID LACH/LA FROM 20 GR SAMPLE

DATE RECEIVED: JULI 01 1988

DATE REPORT MAILED:

July 11/88

ASSAYER: C. LEONG, CERTIFIED B.C. ASSAYERS

A.C.N.C. SPARKS PROJECT-103-690 #1063

File # 88-2424 Page 1

SAMPLE#	NO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	V	CA	F	LA	CE	MG	BA	TI	B	AL	NA	K	V	AU*								
PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM								
FX 247101	3	128	196	565	1.2	7	23	1320	3.90	25	5	ND	ND	24	8	9	2	2	4	19	.049	39	36	34	44	.01	6	.61	.01	.29	1	4
FX 247102	2	210	149	198	1.3	6	20	522	4.44	26	10	ND	ND	22	11	13	3	3	2	11	.028	36	17	11	44	.01	5	.41	.01	.17	1	6
FX 247103	3	22	33	492	.5	9	46	2775	6.37	45	7	ND	ND	24	7	6	2	4	2	.25	.061	49	24	.05	.39	.01	9	.39	.01	.13	1	11
FX 247104	1	31	18	572	.2	9	47	3650	3.27	31	17	ND	ND	32	8	10	2	2	3	.29	.072	63	14	.15	.65	.01	5	.55	.01	.24	1	7
FX 247105	8	336	27	103	.4	4	14	182	3.61	32	20	ND	ND	30	22	6	2	2	4	.19	.057	49	19	.28	.75	.01	7	.76	.01	.34	1	6
FX 247106	2	72	120	546	.3	7	33	2224	3.44	35	12	ND	ND	30	14	17	2	2	4	.28	.060	54	13	.22	.67	.01	9	.65	.01	.29	1	8
FX 247107	2	20	95	525	.7	7	44	4116	2.99	54	5	ND	ND	24	6	5	2	3	8	.23	.053	39	27	.54	58	.05	14	.73	.01	.95	1	10
FX 247108	2	19	14	330	.2	7	29	3409	3.16	14	5	ND	ND	20	8	3	2	2	12	.10	.042	22	15	.55	59	.08	16	.76	.02	.95	1	6
FX 247109	2	12	16	97	.3	3	10	1039	2.27	26	5	ND	ND	21	41	1	2	2	12	1.07	.042	22	23	.62	60	.07	3	.85	.02	.90	1	1
FX 247110	1	15	43	96	.5	4	10	958	2.45	41	5	ND	ND	21	38	2	2	3	11	1.13	.042	23	15	.54	60	.07	39	.81	.02	.36	1	3
FX 247111	2	11	108	260	.9	2	13	1355	2.13	32	5	ND	ND	23	44	5	2	2	7	1.18	.047	36	23	.41	51	.04	4	.66	.02	.38	1	12
FX 247112	4	76	883	1101	1.8	4	17	932	5.07	47	5	ND	ND	21	38	11	2	4	4	1.26	.052	40	12	.19	37	.03	9	.48	.01	.30	1	15
FX 247113	2	30	40	138	.6	2	6	1743	2.37	26	5	ND	ND	20	37	4	2	2	11	1.05	.042	38	22	.50	72	.09	12	.85	.02	1.10	1	14
FX 247114	1	31	341	675	2.9	3	12	1622	2.77	44	5	ND	ND	20	29	8	2	2	9	.83	.044	42	12	.50	58	.07	10	.72	.02	.98	1	17
FX 247115	3	11	130	243	1.0	4	19	813	3.60	33	5	ND	ND	23	44	5	2	3	3	1.81	.049	45	21	.14	33	.01	6	.33	.01	.19	1	1
FX 247116	1	10	44	95	.3	4	13	688	2.62	53	5	ND	ND	24	33	3	2	2	5	1.23	.057	52	15	.39	55	.03	7	.56	.02	.35	1	6
FX 247117	5	40	61	573	.6	10	47	4565	3.71	38	5	ND	ND	24	8	3	3	3	7	.89	.053	51	51	.40	53	.04	9	.61	.02	.52	1	7
FX 247118	15	15	6	38	1.2	12	2	112	.90	151	5	1	1	1	1	1	1	1	28	.39	.063	2	241	.63	556	.01	12	.13	.01	.03	11	3993
FX 247119	2	21	66	355	.6	8	37	3087	4.19	41	5	ND	ND	23	11	4	2	2	4	.66	.053	48	19	.28	43	.02	12	.50	.02	.30	1	9
FX 247120	3	27	44	221	.7	7	25	1462	3.23	27	10	ND	ND	22	11	7	2	2	3	.28	.042	39	31	.23	38	.01	9	.64	.01	.23	1	13
FX 247121	3	132	57	48	.8	7	17	76	7.02	53	13	ND	ND	19	11	14	2	5	2	.74	.024	30	15	.03	22	.01	8	.37	.01	.12	2	12
FX 247122	3	141	24	507	.5	10	50	4707	3.28	62	5	ND	ND	20	9	3	2	2	3	.71	.044	36	33	.19	38	.02	9	.53	.01	.22	1	1
FX 247123	2	25	31	469	.2	9	56	5288	4.34	43	5	ND	ND	21	6	2	2	2	4	.47	.053	35	19	.23	43	.02	7	.19	.01	.26	1	8
FX 247124	4	112	33	1662	.5	14	76	8322	4.28	33	5	ND	ND	19	6	3	2	2	2	.97	.051	36	30	.12	32	.01	6	.38	.01	.16	1	14
FX 247125	3	23	131	359	1.0	8	15	415	3.85	28	5	ND	ND	21	13	5	2	5	1	.82	.043	37	14	.04	21	.01	7	.50	.01	.12	1	5
FX 247126	4	103	15	1269	.2	12	60	6775	3.36	26	5	ND	ND	21	11	4	2	2	2	.73	.049	45	40	.15	32	.01	9	.45	.01	.20	1	5
FX 247127	4	105	28	1561	.3	14	72	7556	3.77	30	5	ND	ND	20	7	3	2	2	2	.50	.044	42	20	.12	33	.01	14	.37	.01	.19	1	7
FX 247128	4	26	29	1259	.3	13	63	7001	3.76	23	5	ND	ND	20	11	2	2	2	2	1.55	.040	44	38	.13	36	.01	5	.45	.01	.17	1	3
FX 247129	3	87	70	153	1.0	5	14	187	1.70	20	15	ND	ND	23	23	15	2	2	2	.79	.036	45	15	.09	53	.01	9	.85	.01	.18	1	5
FX 247130	8	517	249	1016	2.2	6	33	169	2.15	45	57	ND	ND	16	19	90	2	9	2	.65	.021	26	40	.03	47	.01	8	.73	.01	.14	1	25
FX 247131	9	1631	147	237	2.0	7	31	34	1.51	37	37	ND	ND	5	5	5	11	2	6	1.10	.064	9	37	.02	33	.01	8	.42	.01	.13	1	45
FX 247132	34	3881	127	478	3.2	3	28	25	1.99	192	53	ND	ND	4	11	5	30	13	2	.16	.065	8	46	.02	25	.01	11	.42	.01	.12	1	75
FX 247133	10	466	263	419	1.0	13	25	17	2.53	147	131	ND	ND	12	38	5	45	5	7	.39	.038	8	12	.03	25	.01	35	1.10	.03	.22	1	61
FX 247134	7	255	142	2416	.2	27	92	9409	5.85	130	20	ND	ND	13	41	4	16	2	13	.54	.051	20	32	.26	12	.51	17	1.43	.02	.21	1	35
FX 247135	1	32	26	32	.2	1	2	56	1.48	55	5	ND	ND	28	31	3	2	2	7	1.03	.025	37	9	.12	59	.03	18	.55	.08	.35	1	349
FX 247136	1	56	27	15	.1	1	1	42	1.33	24	5	ND	ND	20	23	1	3	2	4	.38	.030	25	25	.06	41	.02	4	.64	.03	.21	1	18

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A.C.N.C. SPARKS PROJECT-103-690 #1063 FILE # 88-2424

SAMPLE#	NO	CU	PB	ZN	AG	NI	CO	MO	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	WA	K	V	AN
PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
FX 247137	2	57	19	12	.2	1	2	41	2.26	14	5	ND	14	20	1	2	2	3	.07	.008	14	13	.03	33	.01	13	.46	.09	.20	1	21
FX 247138	16	24	2	4	1.3	1	2	23	2.43	7	5	ND	12	24	2	2	2	1	.02	.009	15	34	.01	28	.01	19	.27	.12	.24	1	51
FX 247139	5	46	2	11	.7	1	1	26	2.40	9	5	ND	19	37	1	2	3	1	.03	.015	25	14	.03	27	.01	14	.37	.14	.18	1	48
FX 247140	4	52	10	10	.7	1	2	23	2.70	14	5	ND	18	34	3	2	2	2	.03	.011	26	17	.03	24	.01	5	.33	.15	.16	1	55
FX 247141	3	72	5	14	1.4	1	2	27	2.59	14	5	ND	17	29	2	2	2	3	.02	.011	20	14	.03	31	.01	11	.46	.12	.19	1	121
FX 247142	16	17	7	91	2.1	1	2	22	3.02	22	5	ND	24	44	2	2	2	4	.05	.024	31	26	.03	32	.01	5	.46	.13	.22	1	315
FX 247143	6	61	6	10	5.8	1	2	23	3.02	22	5	ND	24	44	2	2	2	4	.05	.024	31	26	.03	32	.01	5	.46	.13	.22	1	315
FX 247144	1	28	2	10	.8	1	1	17	1.04	9	5	ND	11	19	1	2	2	2	.03	.005	21	11	.03	28	.01	16	.36	.14	.18	1	47
FX 247145	4	31	14	5	1.4	1	2	17	3.05	21	5	ND	12	16	2	2	2	3	.01	.008	13	35	.03	32	.01	25	.33	.25	.24	1	17
FX 247146	2	39	8	5	.9	1	2	14	3.55	10	5	ND	18	36	1	2	3	2	.03	.023	38	13	.03	32	.01	25	.33	.25	.24	1	17
FX 247147	3	278	17	11	.3	1	10	18	3.11	13	5	ND	28	47	4	3	2	3	.07	.048	54	25	.06	25	.04	25	.83	.05	.15	1	13
FX 247148	4	260	27	12	.3	1	12	29	3.90	13	6	ND	28	31	4	2	2	2	.09	.029	42	12	.12	30	.01	2	.66	.01	.16	1	5
FX 247149	7	98	28	48	.4	1	17	507	3.37	26	5	ND	26	10	2	2	2	2	.35	.043	24	25	.18	27	.01	12	.63	.01	.19	1	7
FX 247150	7	21	24	16	.3	1	14	409	3.40	18	5	ND	23	27	1	2	2	2	1.39	.046	17	11	.19	26	.02	14	.28	.01	.18	1	6
FX 247151	6	119	32	18	.4	1	15	458	3.39	16	5	ND	24	15	2	2	2	2	1.09	.046	29	29	.09	28	.02	15	.28	.01	.17	1	4
FX 247152	2	14	7	13	.1	1	14	147	3.51	15	5	ND	25	10	2	2	2	4	.52	.048	26	15	.17	39	.05	10	.39	.02	.22	1	5
FX 247153	3	92	50	20	.6	1	7	285	3.39	14	5	ND	25	18	2	2	2	4	.98	.048	27	25	.28	39	.04	7	.47	.02	.25	1	6
FX 247154	2	27	34	16	.5	1	11	449	3.29	18	5	ND	25	23	4	2	2	3	1.41	.047	29	13	.24	38	.01	29	.46	.02	.24	1	8
FX 247155	2	35	27	23	.4	1	7	336	3.48	12	5	ND	25	18	2	2	2	3	1.10	.048	22	24	.27	37	.01	3	.42	.01	.24	1	3
FX 247156	2	14	13	27	.1	1	6	281	2.93	9	5	ND	26	16	2	2	2	5	.94	.047	27	13	.35	42	.02	20	.53	.02	.30	1	4
FX 247157	4	39	25	46	.3	1	13	262	3.56	13	5	ND	26	16	4	2	2	3	1.16	.048	45	29	.23	27	.01	3	.45	.01	.24	1	5
FX 247158	2	51	35	21	.3	1	9	541	2.46	13	5	ND	27	48	1	2	2	4	2.46	.048	35	12	.21	38	.01	6	.49	.02	.24	1	3
FX 247159	2	20	16	25	.1	1	9	403	2.98	18	5	ND	26	39	1	2	2	7	1.61	.052	23	21	.43	42	.04	11	.64	.02	.37	1	5
FX 247160	1	12	30	26	.1	1	13	299	3.29	17	5	ND	29	25	3	2	2	6	1.21	.057	42	15	.43	46	.02	3	.66	.02	.38	1	4
FX 247161	3	8	30	27	.1	1	11	505	2.67	18	5	ND	27	29	3	2	2	5	2.06	.048	52	14	.48	43	.01	15	.60	.02	.32	1	5
FX 247162	1	14	51	28	.1	1	12	385	3.38	19	5	ND	27	31	2	2	2	4	1.84	.046	44	15	.32	37	.01	21	.55	.02	.30	1	9
FX 247163	10	11	4	96	1.3	9	2	111	.82	158	5	3	1	63	1	23	1	20	.91	.003	2	242	.03	559	.01	32	.12	.01	.02	10	3990
FX 247164	3	11	48	28	.2	1	13	400	3.28	14	5	ND	28	36	2	2	2	3	2.06	.048	50	15	.25	33	.01	17	.51	.02	.28	1	8
FX 247165	3	64	288	308	.8	1	11	223	3.82	13	5	ND	29	17	5	2	4	1	1.14	.046	54	14	.05	30	.01	2	.32	.01	.16	1	9
FX 247166	3	29	46	44	.4	1	10	334	2.90	14	5	ND	27	26	3	2	4	1	1.71	.047	51	18	.05	32	.01	14	.34	.01	.15	1	8
FX 247167	3	12	11	6	.1	1	11	300	3.33	11	5	ND	25	20	2	2	2	2	1.40	.044	41	17	.07	27	.01	10	.34	.01	.17	1	5
FX 247168	1	5	9	19	.1	1	9	444	2.01	26	5	ND	26	28	3	2	2	5	1.54	.047	32	14	.41	45	.04	13	.71	.01	.38	1	6
FX 247169	2	11	5	33	.1	1	9	492	2.54	23	5	ND	20	36	1	2	4	11	1.20	.046	17	16	.61	68	.08	2	1.06	.01	1.01	1	8
FX 247170	2	12	5	32	.1	1	8	493	2.83	13	5	ND	23	23	2	2	3	11	.91	.046	21	15	.57	59	.07	2	.93	.01	1.09	1	8
FX 247171	2	11	10	23	.1	2	15	331	3.57	25	5	ND	24	16	2	2	4	6	.83	.047	31	16	.32	41	.03	4	.57	.01	.34	1	11
FX 247172	2	11	18	11	.1	2	21	335	3.71	43	5	ND	24	20	2	2	2	4	1.18	.045	24	16	.22	28	.03	2	.45	.02	.22	1	5
FX 247173	17	57	38	131	7.2	67	20	1055	4.08	40	10	8	37	47	17	16	21	57	.47	.003	39	57	.32	175	.07	22	1.97	.06	.14	13	440

Std

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## A.C.N.C. SPARKS PROJECT-103-690 #1063 FILE # 88-2424

SAMPLE	Mo	Cu	Pb	Ln	Ag	NI	Co	Mn	Fe	As	U	Au	Tb	Sr	Cd	SD	BI	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	V	Au*
PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
TX 247173	4	30	14	23	.2	3	12	299	2.93	22	6	ND	25	17	1	2	2	9	.01	.015	23	18	.44	46	.05	2	.76	.03	.88	1	4
TX 247174	2	245	6	59	.3	3	8	715	2.17	16	5	ND	21	32	1	2	2	13	2.16	.049	20	16	.60	61	.08	2	1.05	.03	.76	1	11
TX 247175	2	29	10	38	.2	3	6	608	2.19	20	5	ND	23	33	1	2	2	9	1.31	.055	29	16	.50	70	.09	2	1.07	.02	.66	1	17
TX 247176	17	16	9	35	2.0	10	96	2.10	100	100	5	ND	25	29	2	2	2	10	1.42	.045	33	17	.51	53	.05	7	.99	.03	1.03	1	23
TX 247177	2	34	13	31	.3	3	11	540	2.63	18	5	ND	25	29	2	2	2	14	1.09	.044	20	15	.62	69	.11	5	1.14	.03	.75	1	1
TX 247178	2	9	8	36	.1	3	9	469	2.39	12	5	ND	19	36	1	2	2	15	1.39	.042	20	17	.61	59	.07	20	1.05	.05	1.01	2	1
TX 247179	3	5	7	36	.1	3	10	555	2.38	10	5	ND	19	89	1	2	2	13	.06	.042	22	14	.60	57	.07	2	.98	.03	1.02	1	1
TX 247180	2	5	13	34	.1	3	8	462	2.30	11	5	ND	21	53	1	2	2	10	1.11	.044	31	16	.52	58	.05	2	.92	.03	.99	1	1
TX 247181	2	17	10	29	.2	3	11	635	2.09	14	6	ND	22	39	2	2	2	12	1.15	.045	23	15	.59	63	.08	2	1.04	.03	.90	1	1
TX 247182	2	14	14	34	.1	3	9	569	2.24	14	6	ND	22	42	1	2	2	12	1.15	.045	23	15	.59	63	.08	2	1.04	.03	.90	1	1
TX 247183	2	12	10	37	.1	2	6	581	2.29	12	5	ND	22	40	1	2	2	13	1.21	.044	28	16	.57	76	.10	2	1.12	.03	.68	1	1
TX 247184	4	17	11	26	.1	3	10	539	2.14	14	5	ND	23	38	3	2	2	6	1.55	.048	45	17	.31	49	.03	2	.69	.02	.90	1	7
TX 247185	3	35	15	27	.1	3	13	624	3.46	28	5	ND	23	42	2	2	2	5	1.09	.044	49	14	.24	41	.02	9	.58	.02	.32	1	12
TX 247186	1	31	14	42	.2	3	9	715	2.32	34	5	ND	23	40	2	2	2	9	1.79	.046	49	15	.40	61	.05	2	.89	.03	1.04	1	21
TX 247187	1	10	21	40	.1	2	6	587	1.97	9	5	ND	19	51	1	2	2	11	1.74	.043	30	15	.50	67	.09	2	.98	.03	.96	1	2
TX 247188	2	9	18	39	.1	3	6	396	2.12	11	5	ND	18	46	1	2	2	16	.06	.043	19	15	.60	73	.11	5	1.13	.03	.73	1	1
TX 247189	5	11	41	36	.3	4	11	362	2.19	13	6	ND	21	33	1	3	2	14	.93	.043	19	18	.54	60	.08	2	.98	.03	1.08	1	2
TX 247190	3	15	24	39	.1	3	7	400	2.26	8	5	ND	21	66	1	2	2	17	1.26	.043	25	15	.62	64	.08	6	1.11	.04	.99	1	1
TX 247191	2	11	17	38	.1	3	5	450	2.06	13	5	ND	19	43	1	2	2	19	1.01	.044	24	16	.64	58	.10	2	1.09	.03	.70	1	2
TX 247192	2	8	14	48	.1	3	6	682	2.13	13	5	ND	25	38	1	2	2	20	1.15	.044	36	16	.64	62	.07	2	1.12	.03	.73	1	1
TX 247193	2	6	13	44	.1	3	5	723	2.23	12	8	ND	25	29	2	2	2	17	1.40	.041	46	15	.61	74	.06	25	1.03	.03	.65	1	1
TX 247194	3	10	15	35	.2	2	7	789	2.10	17	5	ND	24	47	2	2	2	15	2.28	.041	43	16	.52	53	.05	2	.90	.02	1.01	1	1
TX 247195	2	12	16	38	.1	3	7	578	2.30	13	5	ND	25	39	2	2	2	13	1.48	.042	39	15	.57	70	.07	17	1.15	.03	.70	1	1
TX 247196	1	18	13	42	.2	3	8	555	2.27	13	6	ND	25	40	1	2	2	12	1.44	.042	32	15	.55	76	.09	2	1.12	.02	.72	1	24
TX 247197	1	15	7	30	.1	3	6	457	1.85	15	6	ND	24	37	2	2	2	8	1.42	.042	33	14	.45	60	.06	3	.88	.02	1.02	1	1
TX 247198	2	16	28	33	.3	3	9	429	2.23	73	6	ND	24	32	3	2	2	6	1.51	.041	44	15	.34	48	.02	15	.62	.02	.32	1	5
TX 247199	2	7	67	34	.3	3	8	451	2.46	38	5	ND	25	38	3	3	5	4	2.07	.041	44	14	.34	40	.01	17	.62	.02	.24	1	28
TX 247200	1	9	27	39	.1	3	6	414	1.96	176	7	ND	24	39	1	3	2	4	2.21	.039	39	12	.25	32	.02	8	.57	.02	.25	1	2
TX 247201	4	7	39	32	.1	4	11	218	2.12	33	5	ND	26	24	2	2	2	3	1.36	.041	33	15	.16	26	.02	2	.44	.02	.21	1	3
TX 247202	2	8	50	35	.2	4	8	262	2.26	18	5	ND	24	23	2	2	2	7	1.10	.041	28	10	.34	36	.05	7	.58	.02	.31	1	1
TX 247203	2	6	32	44	.1	3	6	361	2.08	12	5	ND	23	38	1	2	2	13	1.21	.041	17	18	.54	72	.07	15	1.01	.03	1.01	1	1
TX 247204	3	5	39	47	.2	3	7	390	2.03	11	5	ND	20	34	2	2	2	12	1.31	.040	17	18	.49	56	.07	9	.88	.03	1.00	1	1
TX 247205	2	6	61	47	.1	3	13	292	2.28	16	5	ND	20	28	1	2	2	11	.85	.039	17	13	.16	46	.07	9	.77	.03	.94	1	3
TX 247206	1	1	94	128	.1	3	8	356	1.85	19	5	ND	18	35	2	2	3	14	1.01	.040	19	16	.40	55	.07	2	.92	.03	1.01	1	5
TX 247207	2	11	40	70	.1	3	8	323	1.96	13	5	ND	19	30	1	2	3	13	.97	.039	19	16	.50	42	.06	2	.82	.04	.96	1	1
TX 247208	1	5	19	28	.1	2	5	231	1.72	10	5	ND	19	42	1	2	5	16	.73	.039	22	15	.51	64	.07	10	1.00	.04	1.04	1	1
TX 247209	1	5	37	37	.2	4	28	1037	1.00	38	5	ND	19	47	1	2	5	16	.73	.039	22	15	.51	64	.07	10	1.00	.04	1.04	1	1

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A.C.N.C. SPARKS PROJECT-103-690 #1063 FILE # 88-2424

SAMPLE	NO	CU	PB	ZN	AG	NI	CO	MA	FE	AS	U	AU	TH	ST	CD	SD	BI	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	Y	Au*	
PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	
241209	19	14	7	20	1.0	11	2	115	.00	164	5	3	1	61	1	22	2	28	.22	.003	2	237	.09	553	.01	7	.15	.01	.03	1	1510	54
241210	1	4	13	30	.1	3	4	260	1.73	8	5	ND	20	40	1	2	2	15	.03	.038	18	13	.52	59	.08	22	.99	.04	1.07	1	18	
241211	1	3	10	32	.1	3	5	386	1.67	13	5	ND	24	28	1	2	2	12	1.30	.038	25	14	.45	49	.07	25	.87	.03	1.01	2	4	
241212	2	19	9	28	.1	2	10	476	2.05	25	5	ND	24	27	2	2	2	7	1.80	.040	43	14	.33	47	.03	19	.70	.02	.92	1	6	
241213	6	8	12	27	.1	2	10	276	2.33	11	5	ND	26	22	2	2	2	9	1.15	.039	39	17	.36	48	.02	10	.74	.03	.51	1	5	
241214	2	5	20	18	.1	3	5	186	2.14	4	5	ND	25	22	1	2	2	6	.92	.040	41	14	.36	49	.01	6	.48	.04	.23	1	8	
241215	15	15	7	07	1.7	10	2	96	.45	94	5	2	1	31	1	23	2	25	.36	.005	3	200	.09	353	.01	16	.17	.01	.06	9	2410	54
241216	2	16	38	20	.1	2	9	152	2.48	16	5	ND	22	16	1	2	7	4	.84	.038	41	16	.22	30	.01	7	.49	.02	.25	2	16	
241217	2	4	17	38	.1	3	4	280	1.64	7	5	ND	25	16	2	2	2	11	.99	.039	50	15	.47	46	.03	19	.90	.03	1.02	1	4	
241218	1	5	7	28	.1	2	6	478	1.61	8	5	ND	22	40	1	2	2	9	1.98	.038	40	13	.40	131	.02	7	.79	.03	.37	2	4	
241219	1	4	21	28	.1	2	8	338	1.87	14	5	ND	21	40	1	2	2	11	1.10	.040	22	16	.48	59	.05	22	.92	.04	.92	1	6	
241220	4	44	40	63	.1	6	8	489	1.97	12	5	ND	16	88	2	2	2	13	1.48	.025	25	16	.35	116	.03	32	.80	.05	.33	1	46	
241221	5	59	31	118	.2	6	8	424	2.25	15	5	ND	19	105	1	2	2	12	2.01	.024	33	13	.24	121	.01	13	.73	.10	.29	1	56	
241222	12	53	23	85	.1	4	14	530	2.80	11	5	ND	20	104	2	2	2	10	1.02	.025	28	13	.16	63	.01	10	.66	.10	.23	1	52	
241223	17	45	21	67	.1	2	8	329	3.32	10	5	ND	24	103	1	2	2	8	.51	.027	28	11	.11	41	.01	11	.53	.10	.20	1	36	
241224	8	77	37	96	.1	4	7	341	3.54	13	5	ND	23	102	1	2	2	15	.75	.039	33	17	.18	61	.01	7	.87	.08	.24	1	121	
241225	3	70	34	69	.2	4	4	184	4.71	11	5	ND	22	57	1	2	2	28	.17	.035	23	19	.51	39	.05	9	1.45	.08	.28	1	124	
241226	1	100	63	86	.4	9	4	232	5.23	9	5	ND	23	71	1	2	2	39	.09	.039	27	21	1.00	29	.09	7	1.98	.07	.32	1	119	
241227	1	51	70	127	.3	17	7	470	5.73	19	5	ND	13	81	1	2	2	67	.24	.071	24	25	1.81	20	.19	3	2.28	.10	.25	1	86	
241228	1	44	38	123	.1	26	19	588	4.93	16	5	ND	10	32	2	2	2	44	.45	.071	11	25	2.20	24	.17	6	2.15	.03	.24	1	26	
241229	1	17	26	122	.1	27	24	853	5.59	19	5	ND	7	40	1	2	2	49	1.30	.070	5	27	2.47	27	.14	5	2.37	.04	.21	1	30	
241230	1	17	34	100	.1	24	22	705	4.77	16	5	ND	7	47	1	2	2	45	1.08	.060	7	28	2.31	21	.14	8	2.21	.04	.17	1	23	
241231	1	88	66	141	.3	29	30	818	6.11	19	5	ND	7	36	1	2	2	47	.65	.072	5	38	2.30	22	.09	13	2.52	.03	.11	1	77	
241232	2	57	114	239	.3	28	35	1045	5.50	10	5	ND	8	13	5	2	2	35	.42	.076	11	34	2.36	17	.10	10	2.23	.03	.15	1	27	
241233	1	18	72	261	.1	25	24	1795	5.20	21	5	ND	8	32	1	2	2	56	1.74	.061	11	40	2.40	14	.08	4	2.10	.04	.10	1	48	
241234	19	15	6	92	1.2	11	2	108	.07	144	5	3	1	61	1	25	1	28	.09	.003	2	234	.09	546	.01	5	.11	.01	.05	11	1445	54
241235	1	22	25	167	.1	27	18	1647	5.50	20	5	ND	6	29	1	2	2	65	1.25	.068	8	39	2.60	9	.08	4	2.33	.04	.06	1	85	
241236	2	21	53	146	.1	33	33	1612	6.61	60	5	ND	8	32	1	2	2	30	1.90	.060	17	42	2.23	12	.03	5	1.87	.03	.12	1	220	
241237	2	20	39	122	.1	29	24	1614	5.44	45	5	ND	11	23	1	2	2	26	1.37	.064	24	35	2.39	11	.01	2	1.83	.01	.11	1	146	
241238	2	20	42	95	.1	23	29	701	5.20	12	5	ND	13	21	1	2	3	22	1.32	.076	37	36	1.83	17	.01	13	1.51	.02	.15	1	27	
241239	2	69	53	97	.3	24	21	658	5.16	10	5	ND	9	21	1	2	4	23	1.10	.072	17	34	1.87	16	.06	17	1.63	.02	.14	1	23	
241240	3	115	45	107	.2	25	32	878	5.91	11	5	ND	7	34	1	2	3	22	2.21	.072	16	33	2.04	13	.05	4	1.75	.02	.11	1	33	
241241	3	56	44	100	.2	27	28	756	5.74	9	5	ND	7	24	1	2	3	23	1.41	.070	15	38	1.80	17	.05	2	1.56	.02	.12	1	32	
241242	1	11598	34	223	2.1	23	26	821	6.26	10	5	ND	7	21	4	2	3	35	1.15	.068	12	36	2.05	17	.06	2	1.84	.02	.09	1	140	
241243	2	2718	16	131	.4	19	17	900	4.83	12	5	ND	10	28	1	2	3	41	1.06	.055	9	42	1.63	14	.07	2	1.63	.04	.08	1	86	
241244	3	1145	20	104	.3	16	13	750	3.81	8	5	ND	11	23	1	2	2	34	1.05	.043	9	44	1.42	10	.06	15	1.27	.04	.06	1	60	
241245	17	57	43	122	7.1	67	28	1855	4.86	45	17	7	36	47	16	16	19	57	.47	.085	39	56	.93	175	.07	31	1.95	.09	.11	12	485	

Std

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SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MA	FE	AS	U	AU	TH	SI	CD	SB	BL	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	Y	AN*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	PPM	PPM	PPM
TX 241245	2	480	25	91	.2	16	14	668	4.33	7	5	ND	10	29	1	2	2	40	1.09	.049	9	40	1.43	18	.07	5	1.33	.03	.07	2	8
TX 241246	2	131	62	131	.3	21	19	855	5.61	12	5	ND	7	38	1	2	2	46	1.43	.066	10	40	2.05	14	.07	24	1.44	.03	.08	1	15
TX 241247	3	64	29	123	.3	20	18	885	5.08	23	5	ND	7	32	1	2	3	48	1.00	.069	9	40	2.15	14	.08	15	2.07	.03	.10	1	1
TX 241248	2	35	25	104	.3	20	19	970	4.29	18	5	ND	7	55	1	2	2	48	1.04	.060	8	39	2.01	14	.09	20	2.09	.03	.11	2	1
TX 241249	2	34	135	136	.3	22	23	1150	4.63	15	5	ND	6	64	1	2	2	67	1.49	.060	7	44	1.98	14	.11	11	2.01	.03	.15	1	9
TX 241250	2	44	81	200	.3	20	17	1007	4.13	9	5	ND	7	67	1	2	2	70	1.28	.055	8	41	2.12	31	.12	15	2.15	.02	.29	1	7
TX 241251	2	27	115	184	.3	19	19	801	3.85	7	6	ND	7	74	2	2	2	65	1.10	.046	8	42	1.86	40	.12	6	1.89	.03	.37	1	1
TX 241252	3	21	108	180	.4	19	18	870	4.29	6	5	ND	7	54	2	2	2	77	.95	.055	7	43	2.21	44	.14	20	2.12	.03	.93	1	2
TX 241253	3	29	50	109	.1	22	17	885	4.03	7	5	ND	6	83	1	2	2	56	.98	.055	7	41	2.01	27	.14	25	2.13	.03	.27	1	43
TX 241254	2	35	143	224	.3	25	31	1396	5.22	10	5	ND	4	68	1	2	2	56	1.30	.056	7	45	1.93	22	.13	9	1.96	.03	.22	1	38
TX 241255	1	23	219	547	.3	22	15	1863	4.41	11	5	ND	5	79	6	2	2	63	1.75	.058	7	39	2.47	17	.11	6	2.45	.02	.24	1	1
TX 241256	2	43	95	149	.4	25	22	1318	5.34	31	5	ND	6	45	1	2	3	60	1.16	.054	6	38	2.37	22	.11	3	2.10	.03	.34	1	112
TX 241257	2	19	50	125	.2	24	21	1537	4.64	6	5	ND	6	55	1	2	2	60	1.79	.056	11	41	2.51	50	.09	24	2.36	.03	.38	1	11
TX 241258	2	12	49	110	.3	27	29	1062	4.67	5	5	ND	6	66	1	2	2	59	1.58	.055	8	44	2.42	34	.10	12	2.27	.03	.31	1	1
TX 241259	2	21	86	140	.3	24	23	1031	5.18	7	5	ND	8	49	1	3	2	53	1.18	.056	7	38	2.37	34	.08	5	2.26	.03	.39	1	9
TX 241260	1	22	61	105	.2	23	22	944	4.67	7	5	ND	6	67	1	2	2	64	1.10	.055	7	35	2.28	32	.11	15	2.24	.03	.53	1	6
TX 241261	15	16	8	91	1.8	8	1	88	.69	96	5	2	1	31	1	24	2	23	.36	.004	4	289	.03	358	.01	19	.13	.01	.06	9	250
TX 241262	3	40	28	92	.1	25	28	968	5.19	10	5	ND	5	65	1	2	2	59	1.55	.060	7	32	2.38	25	.10	18	2.31	.04	.30	1	11
TX 241263	4	33	46	101	.2	21	19	785	4.44	10	5	ND	5	98	1	2	2	62	1.56	.058	7	43	2.27	25	.12	2	2.40	.03	.32	1	1
TX 241264	3	38	41	108	.1	24	15	760	4.64	14	5	ND	8	70	1	2	2	36	1.27	.055	7	43	2.38	29	.11	10	2.39	.03	.27	1	46
TX 241265	3	42	45	102	.2	25	19	758	4.12	8	5	ND	7	48	1	2	2	53	1.92	.068	6	34	2.29	33	.12	24	2.21	.03	.34	1	38
TX 241266	3	102	62	126	.4	25	30	808	5.63	7	5	ND	9	44	1	2	2	36	1.74	.066	11	34	2.12	28	.12	5	2.12	.03	.20	1	15
TX 241267	4	39	194	292	.6	22	39	1580	12.16	16	5	ND	7	36	4	2	2	20	2.41	.045	14	49	1.54	18	.03	21	1.49	.02	.13	1	29
TX 241268	3	104	83	164	.4	9	19	818	4.35	6	5	ND	25	41	1	2	2	6	2.22	.057	19	31	.76	27	.02	6	.92	.01	.17	1	1
TX 241269	8	141	565	632	3.3	10	44	720	14.11	18	5	ND	13	35	10	2	14	5	1.93	.030	13	41	.29	17	.01	18	.39	.01	.12	1	1
TX 241270	2	47	94	157	.4	8	16	708	3.62	7	5	ND	18	45	1	2	2	5	2.52	.052	19	27	.58	29	.04	10	.74	.01	.15	1	7
TX 241271	3	36	35	88	.1	8	10	564	3.26	8	5	ND	18	39	1	3	2	6	1.91	.044	16	36	.48	35	.04	16	.81	.02	.18	1	11
TX 241272	2	44	68	83	.4	7	12	575	3.04	8	5	ND	25	37	2	2	2	7	1.76	.054	24	27	.73	31	.05	15	.91	.02	.16	1	15
TX 241273	3	142	84	67	.4	7	11	473	3.41	8	5	ND	19	33	1	2	4	6	1.49	.044	23	33	.59	36	.04	6	.74	.01	.19	1	3
TX 241274	2	24	130	99	.3	9	11	574	3.64	4	5	ND	21	37	1	2	2	10	1.33	.046	26	32	.83	38	.07	7	.94	.02	.34	1	1
TX 241275	3	247	175	74	1.4	9	13	573	3.40	10	5	ND	17	29	1	2	5	13	1.07	.045	18	33	.75	40	.08	11	.92	.02	1.06	1	2
TX 241276	3	16	70	87	.4	9	16	562	3.55	6	5	ND	25	20	2	2	2	13	.98	.055	19	32	.94	63	.09	25	1.08	.02	.72	1	7
TX 241277	2	16	46	72	.1	8	11	452	2.92	5	5	ND	23	29	1	2	2	12	.83	.054	17	24	.68	66	.10	6	.92	.02	1.06	1	2
TX 241278	3	17	29	52	.1	7	14	412	3.10	5	5	ND	19	42	1	2	2	12	1.01	.044	16	33	.41	61	.08	4	.69	.02	.39	1	5
TX 241279	3	90	22	70	.1	8	17	636	2.78	5	5	ND	25	66	2	2	2	12	1.81	.043	27	32	.67	65	.06	13	.92	.02	1.08	1	22
TX 241280	3	77	36	118	.1	8	12	765	3.52	10	5	ND	21	44	1	2	2	17	1.15	.044	25	34	1.02	56	.07	15	1.23	.02	1.37	1	7
STD-GFA-1	17	57	48	132	7.1	68	28	1848	1.88	32	16	8	36	45	17	17	19	56	.47	.088	38	55	.31	195	.07	34	1.30	.06	.13	15	548

76090



Std



## A.C.N.C. SPARKS PROJECT-103-690 #1063 FILE # 88-2424

SAMPLE	NO	Cu	Pb	Zn	Ag	W	Co	Mn	Fe	As	V	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Ct	Mg	Ba	Ti	B	Al	Na	K	V	Au <sup>+</sup>
PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
72 241281	2	23	62	78	.1	7	10	567	2.99	9	5	ND	26	31	2	2	5	9	1.40	.050	10	26	.65	59	.03	16	.86	.02	.95	1	13
72 241282	11	59	58	65	.8	5	14	1064	4.66	14	5	ND	11	89	1	2	2	12	1.82	.018	16	22	.33	919	.02	27	.67	.03	.24	1	22
72 241283	7	35	22	43	.2	2	5	136	1.59	7	5	ND	17	71	1	2	2	5	1.74	.013	12	17	.12	342	.01	11	.56	.03	.13	1	91
72 241284	15	15	6	86	1.8	9	1	89	.67	92	5	2	1	33	1	19	2	25	.35	.004	2	133	.03	351	.01	18	.15	.01	.06	7	2630-Std
72 241285	5	23	12	47	.3	2	2	69	.89	15	5	ND	33	44	1	2	2	5	.22	.018	13	22	.06	72	.01	12	.52	.05	.14	1	42
72 241286	12	50	12	80	.1	4	16	635	1.39	9	5	ND	19	56	1	2	2	3	.19	.015	14	20	.06	64	.01	5	.63	.06	.13	1	14
72 241287	9	43	11	42	.1	2	2	68	1.60	6	6	ND	14	41	2	2	4	2	.08	.007	14	22	.05	73	.01	17	.58	.04	.12	2	4
72 241288	6	29	11	40	.1	1	2	35	2.28	3	8	ND	23	53	2	2	2	5	.07	.008	22	17	.05	79	.01	20	.45	.07	.17	1	46
72 241289	5	17	7	36	.2	1	4	56	2.34	2	5	ND	20	22	1	2	2	4	.03	.005	19	26	.03	82	.01	4	.37	.08	.19	1	8
72 241290	5	14	8	22	.1	2	3	10	2.61	3	8	ND	24	21	2	2	2	4	.01	.007	29	26	.02	68	.01	13	.34	.09	.20	1	5
72 241291	5	19	10	41	.3	1	2	10	2.81	3	8	ND	21	26	2	2	2	3	.01	.008	39	25	.02	24	.01	7	.25	.16	.17	1	16
72 241292	7	18	9	16	.7	1	1	14	2.39	2	5	ND	11	24	1	3	2	2	.01	.005	19	28	.01	24	.01	2	.22	.10	.22	1	5
72 241293	7	132	27	54	.3	2	2	16	2.68	27	5	ND	28	33	1	3	3	4	.05	.015	37	28	.03	21	.01	4	.33	.13	.20	3	17
72 241294	3	70	135	568	.3	7	14	35	2.24	21	16	ND	29	13	25	2	2	2	.05	.020	33	25	.04	32	.01	8	.61	.01	.12	1	44
72 241295	4	53	60	249	.3	5	19	135	2.41	27	7	ND	26	29	6	3	2	4	.08	.043	53	28	.21	38	.01	2	.97	.01	.23	1	91
72 241296	5	177	35	381	.2	6	24	1463	2.48	26	5	ND	26	5	2	2	2	6	.19	.045	51	29	.42	52	.02	6	.85	.01	.84	1	162
72 241297	3	544	47	812	.6	9	48	3685	3.19	14	5	ND	29	4	4	2	2	5	.24	.044	59	28	.36	52	.01	16	.74	.01	.33	1	27
72 241298	3	29	26	405	.1	8	35	2782	2.95	13	5	ND	28	4	2	2	2	5	.17	.043	49	23	.33	45	.02	2	.61	.01	.68	1	40
72 241299	3	19	54	497	.3	13	63	4980	3.88	17	6	ND	27	5	4	2	2	7	.21	.039	41	26	.33	41	.02	5	.55	.01	.31	1	57
72 241300	5	11	76	190	.4	6	25	1484	2.17	24	5	ND	27	18	2	2	3	7	.71	.042	27	23	.41	46	.04	8	.64	.01	.85	1	33
720-4/80-2	18	59	38	132	6.5	18	29	1863	4.17	39	17	8	37	47	19	16	19	58	.19	.086	40	37	.95	178	.07	35	2.02	.06	.11	12	190

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v

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	Ti	B	Al	Mg	K	M	Au+
FX 247301	1	260	24	79	0.6	93	17	710	3.59	28	5	3	25	38	1	2	2	32	1	0.046	29	52	0.95	59	0.11	13	0.73	0.03	0.43	1	305
FX 247302	4	35	39	218	0.5	14	24	1673	2.89	26	5	0	26	18	1	2	2	8	0.64	0.046	41	9	0.47	54	0.03	12	0.65	0.01	0.39	1	68
FX 247303	8	144	25	87	0.4	4	11	765	2.67	26	6	0	27	25	2	2	2	7	0.77	0.047	31	10	0.39	63	0.06	5	0.67	0.01	0.42	1	113
FX 247304	4	71	35	50	0.5	4	1	547	2.68	30	6	0	27	29	1	2	4	5	0.89	0.047	32	9	0.26	57	0.03	7	0.53	0.01	0.32	2	128
FX 247305	15	15	8	87	1.9	9	1	97	0.7	102	5	2	27	31	1	20	2	26	0.35	0.007	3	233	0.03	295	0.01	15	0.16	0.01	0.07	7	2820 - STD
FX 247306	4	43	47	29	0.6	4	11	444	2.56	28	9	0	27	31	1	2	2	3	1.1	0.045	38	14	0.09	43	0.02	4	0.39	0.01	0.21	2	105
FX 247307	4	30	94	200	0.6	5	14	930	2.57	37	6	0	27	28	1	2	2	3	1.05	0.046	42	13	0.06	56	0.02	8	0.37	0.01	0.21	1	154
FX 247308	5	45	130	185	0.7	3	13	601	4.23	11	6	0	26	54	1	2	2	5	2.21	0.041	29	9	0.24	44	0.05	6	0.46	0.03	0.28	1	31
FX 247309	5	72	240	184	0.8	4	9	402	3.19	8	8	0	28	29	1	2	2	5	1.17	0.046	31	10	0.19	39	0.05	7	0.42	0.01	0.25	1	20
FX 247310	4	318	150	52	1.1	4	11	353	2.83	6	5	0	28	29	1	2	2	2	1.41	0.043	31	14	0.03	34	0.02	3	0.28	0.01	0.15	2	25
FX 247311	5	97	120	94	0.7	3	7	320	2.92	7	5	0	27	25	1	2	2	2	1.06	0.043	31	10	0.05	38	0.03	2	0.29	0.01	0.16	1	19
FX 247312	4	57	140	113	0.9	4	11	336	4.24	9	5	0	24	28	1	2	2	2	1.33	0.037	24	14	0.03	34	0.03	4	0.27	0.01	0.15	2	19
FX 247313	5	57	140	113	0.9	4	11	336	4.24	9	5	0	24	28	1	2	2	2	1.33	0.037	24	14	0.03	34	0.03	4	0.27	0.01	0.16	1	15
FX 247314	5	45	161	157	0.8	4	8	405	3.51	7	7	0	26	33	1	2	2	2	1.54	0.042	32	12	0.03	35	0.04	4	0.28	0.01	0.17	1	10
FX 247315	5	45	190	181	0.5	4	10	424	3.47	12	7	0	28	24	1	2	2	3	1.41	0.041	29	16	0.06	32	0.04	4	0.3	0.01	0.17	1	16
FX 247316	3	53	132	192	0.8	4	11	391	4.17	9	6	0	28	24	1	2	2	3	1.11	0.038	35	12	0.14	37	0.03	4	0.36	0.01	0.19	1	16
FX 247317	2	8	521	456	1.5	8	17	790	3.45	7	5	0	20	55	4	2	3	12	2.25	0.041	41	18	0.73	31	0.01	10	0.77	0.01	0.25	1	12
FX 247318	16	15	7	89	1.9	9	1	93	0.71	99	5	2	1	36	1	21	2	26	0.36	0.007	3	233	0.03	297	0.01	11	0.16	0.01	0.07	8	2830 - STD
FX 247319	1	14	212	257	0.6	28	32	925	6.64	21	5	0	7	36	2	3	2	28	1.41	0.063	13	20	1.71	26	0.1	3	1.43	0.01	0.29	1	28
FX 247320	1	16	114	238	0.5	32	24	1169	5.64	18	5	0	7	40	1	2	2	47	1.38	0.072	9	16	2.26	27	0.11	2	2.11	0.01	0.27	1	37
FX 247321	1	14	95	173	0.4	29	28	1301	5.47	22	5	0	6	70	1	2	2	43	1.85	0.063	11	15	2.27	21	0.12	7	2.3	0.01	0.17	1	31
FX 247322	1	13	39	151	0.5	24	18	1305	4.84	22	5	0	7	70	1	2	2	54	1.94	0.072	11	15	2.65	28	0.1	8	2.7	0.01	0.26	1	102
FX 247323	2	41	138	247	0.5	24	24	1498	5.77	56	5	0	6	53	1	3	2	59	1.25	0.068	7	17	2.55	27	0.1	7	2.61	0.01	0.26	1	64
FX 247324	4	89	137	186	0.8	26	28	1217	5.75	26	5	0	6	43	1	3	2	46	1.66	0.067	11	24	2.12	26	0.06	2	2.13	0.01	0.23	1	38
FX 247328	3	52	22	89	0.9	15	11	343	2.43	10	5	0	22	81	1	2	2	26	1.13	0.042	35	16	0.56	80	0.09	9	0.78	0.03	0.46	1	17
FX 247329	2	48	15	82	0.5	4	8	328	1.73	10	5	0	22	63	1	2	2	13	0.72	0.049	33	18	0.47	85	0.1	5	0.83	0.02	0.53	1	11
FX 247330	3	91	57	105	0.8	4	10	449	1.88	14	5	0	25	83	1	2	2	9	0.44	0.037	34	18	0.39	84	0.04	8	0.78	0.02	0.43	1	24
FX 247331	5	89	37	101	0.9	4	11	504	1.96	19	5	0	25	77	1	2	2	10	0.48	0.038	30	36	0.42	95	0.04	17	0.8	0.04	0.45	1	22
FX 247332	5	92	86	137	1.7	4	19	742	2.2	27	9	0	24	93	1	2	2	11	0.47	0.034	41	30	0.43	92	0.04	11	0.8	0.02	0.4	1	29
FX 247333	10	89	101	222	1.6	6	37	1370	2.44	23	6	0	25	184	1	2	2	7	0.89	0.045	62	24	0.36	142	0.02	14	0.97	0.06	0.32	1	16
FX 247334	6	60	74	252	1.1	5	11	562	2.08	15	5	0	27	157	1	2	2	6	0.44	0.034	45	27	0.42	175	0.03	14	0.98	0.06	0.43	1	9
FX 247335	11	66	56	142	0.5	3	5	104	2.57	9	5	0	25	111	1	2	2	5	0.18	0.027	30	32	0.13	205	0.01	12	0.55	0.04	0.28	1	13
FX 247336	17	76	182	125	1.3	2	4	52	4.27	16	5	0	24	128	1	3	2	7	0.13	0.04	30	23	0.1	165	0.01	10	0.65	0.05	0.34	1	81
STD-6440	17	58	40	132	6.9	60	20	1854	4.84	39	20	6	36	40	17	16	19	56	0.49	0.008	39	56	0.92	179	0.86	36	1.99	0.06	0.13	12	525
FX 247337	14	83	154	47	6.1	2	2	46	3.55	21	5	0	20	53	1	12	16	5	0.13	0.017	24	30	0.08	114	0.01	13	0.38	0.04	0.25	2	130
FX 247338	9	37	72	16	2.4	1	1	25	2.21	8	5	0	17	34	1	2	2	5	0.06	0.011	24	35	0.03	221	0.01	7	0.25	0.07	0.2	1	54
FX 247339	8	61	58	20	1.9	1	1	24	2.92	2	5	0	15	45	1	2	3	5	0.03	0.015	19	33	0.03	174	0.01	28	0.31	0.15	0.16	1	32
FX 247340	7	62	62	80	0.8	2	3	21	1.47	6	5	0	22	67	1	2	2	4	0.05	0.026	37	30	0.05	215	0.01	9	0.47	0.11	0.17	1	15
FX 247341	15	15	7	89	2.1	10	1	100	0.7	99	5	3	1	36	1	19	2	26	0.36	0.007	3	224	0.05	299	0.01	39	0.15	0.01	0.06	8	2440 - STD
FX 247342	3	101	22	110	1.1	2	4	23	1.45	10	5	0	24	85	1	2	2	4	0.07	0.042	45	24	0.05	178	0.01	10	0.65	0.08	0.21	1	46
FX 247343	3	114	183	120	1.1	2	4	54	1.61	14	11	0	30	41	1	2	2	6	0.05	0.041	51	25	0.14	127	0.04	7	0.66	0.04	0.31	1	23

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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	Ti	B	Al	Na	K	W	Au+
FX 247384	4	80	30	130	0.3	4	11	604	2.29	7	5	0	23	18	1	2	2	3	0.7	0.048	41	28	0.41	39	0.01	12	0.56	0.02	0.14	1	10
FX 247385	2	17	27	57	0.3	6	18	704	3.9	11	5	0	29	24	1	2	2	5	0.99	0.055	52	15	0.3	22	0.01	20	0.49	0.02	0.15	1	1
FX 247386	7	78	26	49	0.4	5	10	389	3.09	3	5	0	23	24	1	2	2	4	0.79	0.046	27	26	0.29	37	0.01	2	0.38	0.02	0.11	2	2
FX 247387	4	48	36	66	0.4	5	10	345	3.45	5	5	0	20	15	1	2	3	2	0.52	0.044	20	17	0.25	23	0.01	4	0.39	0.01	0.12	1	6
FX 247388	10	62	43	102	0.6	5	13	894	2.97	4	5	0	24	24	1	2	2	3	1.13	0.048	32	35	0.36	33	0.01	4	0.52	0.01	0.12	1	1
FX 247389	6	97	67	123	0.9	5	16	936	3.19	13	5	0	22	22	1	2	2	3	1.07	0.044	31	14	0.28	26	0.01	5	0.48	0.02	0.13	1	14
FX 247390	4	10	32	40	0.5	4	10	387	3.22	3	5	0	22	20	1	2	2	2	0.82	0.044	18	27	0.15	22	0.01	7	0.28	0.01	0.08	2	10
FX 247391	4	11	46	43	0.4	4	11	323	3.34	3	5	0	22	25	1	2	2	2	0.83	0.043	20	26	0.15	19	0.01	13	0.27	0.01	0.09	2	3
FX 247392	2	18	66	131	0.8	4	7	422	2.6	7	5	0	23	26	3	2	2	2	0.83	0.038	24	14	0.23	37	0.01	4	0.32	0.03	0.08	1	1
FX 247393	3	14	53	82	0.5	3	7	381	2.22	4	5	0	21	19	1	2	3	4	0.62	0.035	27	30	0.29	35	0.01	7	0.34	0.01	0.07	1	16
FX 247394	3	24	144	649	1.7	6	18	1095	4.95	5	5	0	21	24	13	2	2	6	1.21	0.043	33	23	0.44	14	0.01	15	0.44	0.01	0.09	1	31
FX 247395	6	26	132	696	1.5	16	19	1064	5.29	5	5	0	16	20	13	2	2	6	1.04	0.041	22	57	0.66	12	0.01	17	0.59	0.02	0.11	1	28
FX 247396	4	30	109	249	1.3	30	24	950	6.27	8	5	0	14	24	3	2	2	9	1.01	0.062	19	23	1.03	12	0.01	6	0.95	0.01	0.11	1	31
FX 247397	4	24	136	225	1.1	31	19	833	6.41	4	5	0	12	24	3	2	2	8	0.98	0.068	25	37	1	12	0.01	13	0.91	0.02	0.1	1	24
FX 247398	4	62	204	261	2	21	23	1413	5.44	14	5	0	15	29	3	3	14	13	1.33	0.061	23	29	1.31	15	0.01	17	1.12	0.01	0.11	1	14
FX 247399	6	56	204	2141	3	25	21	1413	5.44	14	5	0	12	51	35	2	5	8	2.07	0.053	15	41	0.55	12	0.01	6	0.46	0.02	0.11	1	29
FX 247400	2	43	318	833	1.3	27	44	1364	6.99	13	5	0	11	36	13	2	2	15	1.46	0.079	26	19	1.17	15	0.01	14	1.07	0.01	0.11	1	43
STD C/MU	18	58	40	132	6.6	67	27	1052	3.98	42	19	6	36	47	17	16	18	35	0.47	0.087	38	53	0.91	175	0.06	34	1.98	0.06	0.14	11	490

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	Ti	B	Al	Na	K	W	Au+
FX 247344	3	112	53	116	0.7	3	4	109	1.83	17	9	0	26	33	1	2	2	10	0.03	0.046	49	25	0.37	122	0.09	5	0.88	0.03	0.49	1	56
FX 247345	3	75	36	101	0.6	3	4	113	1.72	15	5	0	28	38	1	2	2	8	0.05	0.044	53	27	0.32	117	0.06	6	0.76	0.01	0.45	1	23
FX 247346	3	41	33	88	0.6	2	5	141	1.95	5	5	0	27	25	1	2	2	9	0.16	0.045	43	25	0.35	103	0.06	10	0.79	0.05	0.44	1	16
FX 247347	2	29	39	203	0.5	5	18	1086	1.99	22	5	0	26	16	6	2	2	8	0.29	0.049	42	26	0.45	113	0.07	14	0.82	0.02	0.45	1	22
FX 247348	3	25	28	217	0.4	5	17	1600	2.1	20	5	0	25	16	1	2	2	6	0.25	0.052	29	29	0.39	96	0.07	16	0.62	0.02	0.41	1	55
FX 247349	4	24	22	254	0.7	6	22	1220	1.99	14	5	0	27	45	3	2	2	5	0.22	0.048	45	27	0.29	75	0.03	4	0.66	0.01	0.33	1	29
FX 247350	3	52	44	229	0.8	5	15	426	1.77	4	5	0	27	76	3	2	2	4	1.19	0.048	49	23	0.32	76	0.02	20	0.52	0.02	0.35	1	27
FX 247351	4	16	17	276	0.2	7	28	2299	1.76	8	5	0	26	14	2	2	2	4	0.39	0.046	38	27	0.26	78	0.02	18	0.66	0.01	0.29	1	17
FX 247352	3	513	12	269	0.4	7	26	1592	1.61	7	5	0	26	14	2	2	2	4	0.39	0.046	38	27	0.26	78	0.02	18	0.66	0.01	0.29	1	17
FX 247353	4	625	63	86	0.9	4	9	44	1.57	10	14	0	26	66	1	2	2	3	0.16	0.045	46	37	0.19	92	0.01	13	0.45	0.03	0.15	1	32
FX 247354	5	519	51	69	0.8	4	10	48	2.06	8	13	0	22	70	1	2	2	3	0.07	0.027	30	37	0.07	22	0.01	4	0.51	0.01	0.23	1	25
FX 247355	16	15	7	90	2.1	9	1	90	0.72	101	5	3	1	37	1	20	2	27	0.37	0.007	3	231	0.03	311	0.01	11	0.15	0.01	0.06	8	2520 - 544
FX 247356	5	680	71	169	1.2	4	11	70	2.05	13	12	0	26	29	1	2	3	5	0.18	0.042	33	32	0.23	68	0.01	9	0.59	0.01	0.27	1	20
FX 247357	6	360	81	93	0.8	4	13	48	2.32	9	5	0	26	13	1	2	2	5	0.37	0.051	49	34	0.24	53	0.02	21	0.68	0.01	0.34	1	19
FX 247358	3	194	51	291	0.3	8	34	1563	1.78	6	5	0	28	14	5	2	2	4	0.4	0.053	52	27	0.17	96	0.01	28	0.53	0.01	0.26	1	9
FX 247359	5	377	40	317	0.9	9	34	1343	1.87	6	5	0	27	38	3	2	2	5	1.39	0.046	46	39	0.25	76	0.02	15	0.64	0.03	0.3	1	15
FX 247360	4	17	61	163	0.4	6	23	1224	1.69	9	9	0	27	49	3	2	2	5	1.09	0.044	50	33	0.23	62	0.01	13	0.47	0.01	0.25	1	16
FX 247361	5	25	48	156	0.4	6	23	723	2.05	10	5	0	27	22	2	2	2	4	1.09	0.044	50	33	0.23	62	0.01	13	0.47	0.01	0.25	1	16
FX 247362	4	22	32	79	0.4	3	11	675	1.81	11	5	0	25	70	1	2	2	6	1.31	0.047	47	15	0.4	94	0.04	13	0.61	0.01	0.4	1	13
FX 247363	4	7	12	78	0.1	4	10	686	1.71	7	5	0	25	65	1	2	2	5	1.27	0.047	40	14	0.38	96	0.03	13	0.64	0.01	0.41	1	16
FX 247364	2	10	47	507	0.6	8	28	2510	2.12	9	5	0	25	57	5	2	2	4	1.66	0.044	43	16	0.2	80	0.01	13	0.57	0.01	0.27	3	21
FX 247365	3	14	14	372	0.3	9	38	3204	2.16	9	5	0	25	48	1	2	2	5	1.24	0.047	33	29	0.39	91	0.02	23	0.65	0.01	0.36	2	50
FX 247366	2	7	50	259	0.6	8	28	1904	2.47	5	5	0	23	34	1	2	2	6	0.92	0.048	28	25	0.28	137	0.05	3	0.64	0.01	0.39	1	10
FX 247367	2	3	30	53	0.3	3	9	729	1.56	12	5	0	23	115	1	2	2	5	1.98	0.05	32	25	0.26	74	0.04	13	0.5	0.01	0.32	1	7
FX 247368	4	6	96	109	0.7	3	18	580	3.05	12	5	0	22	27	1	2	2	7	0.59	0.05	24	12	0.26	74	0.04	13	0.5	0.01	0.32	1	7
FX 247369	5	10	199	110	1.2	5	21	606	3.88	14	5	0	22	27	1	2	2	7	0.67	0.048	28	16	0.46	43	0.04	3	0.66	0.01	0.4	1	8
FX 247370	2	9	74	269	0.7	8	34	2789	2.38	9	5	0	23	25	1	2	2	5	2.26	0.047	26	29	0.36	95	0.03	6	0.61	0.01	0.36	1	6
FX 247371	3	12	14	55	0.3	3	7	649	1.73	5	5	0	23	84	1	2	2	5	2.26	0.047	26	29	0.36	95	0.03	6	0.61	0.01	0.36	1	6
FX 247372	2	15	12	71	0.2	4	9	616	2.41	8	5	0	24	67	1	2	2	6	1.79	0.048	42	16	0.45	76	0.04	5	0.67	0.02	0.39	1	23
STD-GH-10	10	59	40	132	7.3	67	29	1862	4.89	40	19	7	37	49	17	18	22	58	0.49	0.082	40	56	0.92	176	0.07	35	2	0.67	0.14	13	496
FX 247373	16	15	9	88	2	9	1	84	0.73	100	5	2	2	36	1	19	2	26	0.37	0.007	3	224	0.03	302	0.01	22	0.16	0.01	0.06	8	2675 - 544
FX 247374	3	43	73	250	0.5	10	37	3385	2.42	22	5	0	22	58	1	3	3	4	2.79	0.051	46	26	0.37	21	0.01	14	0.45	0.02	0.17	1	9
FX 247375	2	8	12	65	0.1	5	18	1076	2.51	9	5	0	22	33	1	2	2	3	1.79	0.046	45	14	0.36	49	0.01	14	0.48	0.01	0.11	1	7
FX 247376	4	6	24	50	0.5	5	16	660	2.67	5	5	0	23	35	1	2	2	2	1.6	0.05	40	40	0.38	29	0.01	17	0.51	0.02	0.11	2	1
FX 247377	2	7	11	72	0.2	5	14	1098	2.23	5	5	0	23	29	1	2	2	2	1.81	0.047	42	16	0.55	32	0.01	2	0.6	0.02	0.11	1	3
FX 247378	4	6	15	82	0.2	4	10	672	2.45	8	5	0	24	39	1	2	2	3	1.44	0.051	33	28	0.58	64	0.01	16	0.71	0.02	0.1	1	5
FX 247379	2	11	14	84	0.1	3	8	798	2.22	8	5	0	24	57	1	2	2	4	1.72	0.048	29	11	0.61	107	0.01	6	0.8	0.03	0.1	1	3
FX 247380	4	34	13	99	0.2	3	13	792	2.37	7	5	0	24	46	1	2	2	3	1.4	0.048	29	29	0.55	39	0.01	7	0.69	0.02	0.13	1	12
FX 247381	3	114	20	92	0.4	3	7	1003	2.29	9	5	0	23	56	1	2	3	3	1.55	0.046	30	13	0.51	39	0.01	19	0.68	0.01	0.14	1	24
FX 247382	4	121	19	90	0.3	4	9	856	2.3	13	5	0	23	58	1	2	2	4	1.47	0.05	31	25	0.52	43	0.01	10	0.67	0.02	0.12	1	19
FX 247383	2	36	14	86	0.2	4	10	1148	2.32	10	5	0	24	73	1	2	2	4	2.27	0.047	38	11	0.51	72	0.01	2	0.67	0.02	0.11	1	1

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GEOCHEMICAL ANALYSIS CERTIFICATE

DATE RECEIVED: JUL 11 1988 DATE REPORT MAILED: July 26/88 ASSAYER: R. D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

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SAMPLE	NO	CU	PD	SG	MI	CO	HA	FE	AS	B	AN	TH	ST	CD	SB	U	Ca	P	LA	CR	MG	BA	TI	S	AL	NA	K	R	AN*		
PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM		
217101	3	76	430	7246	2.5	21	30	2648	6.07	16	5	MD	11	40	54	2	6	22	1.47	.079	23	35	1.63	18	.01	3	1.48	.01	.12	3	56
217102	4	31	210	539	2.7	26	28	2338	7.11	26	5	MD	11	38	5	2	5	21	1.51	.073	16	36	1.61	14	.01	2	1.67	.01	.15	1	126
217103	3	39	291	292	2.1	24	25	2931	5.68	46	5	MD	11	54	2	2	5	28	1.85	.059	29	34	2.00	30	.01	2	1.56	.01	.11	1	135
217104	3	60	129	259	2.2	27	28	2465	6.12	64	5	MD	12	40	1	2	8	25	1.47	.068	23	35	1.97	24	.01	4	1.91	.01	.14	1	158
217105	3	287	68	279	1.8	28	29	2990	6.35	43	3	MD	11	50	1	2	12	31	1.57	.068	23	34	2.14	38	.01	5	2.25	.01	.14	1	97
217106	3	418	110	201	3.2	26	25	3327	7.06	27	5	MD	12	70	2	2	44	34	2.15	.067	26	35	2.11	23	.01	5	2.23	.01	.15	1	129
217107	5	198	137	255	2.6	27	27	3130	6.76	27	5	MD	12	54	3	2	24	26	1.87	.069	28	43	1.80	26	.01	6	1.76	.01	.14	1	290
217108	4	189	119	232	2.8	16	22	1382	3.70	23	5	MD	17	153	1	2	6	24	1.16	.034	24	34	.95	.00	.02	11	1.58	.02	.34	1	62
217109	17	16	7	34	2.0	10	1	96	1.71	141	5	MD	1	37	1	19	3	28	.37	.005	3	224	.64	.995	.01	19	.19	.01	.06	1	6940
217110	3	126	147	267	1.3	19	22	1608	4.50	27	5	MD	15	100	1	2	9	25	.99	.039	23	34	1.17	28	.01	5	1.62	.02	.27	1	85
217111	4	101	127	231	.4	12	23	1037	3.17	22	5	MD	17	135	1	2	5	21	.78	.030	26	31	.67	115	.02	9	1.26	.02	.33	1	34
217112	9	230	94	244	.5	11	75	4962	3.21	35	5	MD	17	256	1	2	42	24	.022	16	24	.25	429	.01	5	1.13	.02	.24	1	28	
217113	17	174	36	94	.3	4	11	1801	4.37	26	5	MD	17	311	1	2	2	16	.15	.021	8	19	.11	79	.01	12	1.02	.01	.18	1	2
217114	16	124	77	81	.4	3	11	883	4.87	49	5	MD	20	282	1	3	2	18	.024	15	20	.16	59	.01	11	.96	.01	.20	1	30	
217115	12	309	54	152	.4	8	20	826	5.51	137	6	MD	33	547	2	11	2	34	.022	.052	26	17	.62	79	.02	11	1.92	.03	1.10	1	29
217116	10	250	41	192	.2	11	27	1234	5.07	34	5	MD	29	637	2	2	2	56	.19	.065	35	30	1.12	95	.07	6	2.19	.03	1.74	1	5
217117	5	180	45	163	.1	12	16	731	4.31	6	5	MD	15	494	1	2	2	50	.15	.043	23	37	.99	83	.09	10	1.95	.03	1.64	1	5
217118	17	17	16	34	2.1	10	1	96	1.71	141	5	MD	1	37	1	19	3	28	.37	.005	3	224	.64	.995	.01	19	.19	.01	.06	1	6940
217119	4	164	25	139	.1	9	23	879	3.45	6	5	MD	19	351	1	2	2	46	.11	.037	26	39	.71	103	.09	4	1.96	.02	1.44	1	16
217120	3	178	35	219	.1	8	18	916	3.10	4	5	MD	14	416	1	2	2	41	.16	.041	24	28	1.05	99	.08	4	2.20	.02	2.16	1	7
217121	7	232	50	252	.2	10	17	766	4.01	4	5	MD	25	452	3	2	2	57	.20	.067	35	18	1.12	100	.10	20	2.42	.03	1.68	1	10
217122	4	248	38	265	.1	10	10	591	4.78	3	5	MD	24	389	3	2	3	62	.20	.072	38	29	1.10	100	.10	13	2.42	.02	1.89	1	4
217123	3	214	25	243	.1	10	9	501	3.30	6	5	MD	16	312	3	2	2	61	.20	.073	33	20	1.06	87	.09	5	2.26	.05	1.86	1	4
217124	8	229	27	162	.1	8	7	445	4.02	6	5	MD	18	230	4	2	3	52	.23	.073	40	20	.96	83	.06	6	2.16	.01	1.49	1	6
217125	5	134	42	71	.2	5	7	372	4.59	8	5	MD	19	139	4	2	2	44	.18	.002	32	17	.46	54	.02	10	1.50	.01	.38	1	14
217126	3	149	26	147	.1	9	10	326	3.95	22	6	MD	20	145	3	3	2	60	.19	.070	36	14	.34	64	.01	12	1.52	.01	.38	1	30
217127	3	233	51	186	.2	14	10	522	3.05	5	5	MD	20	290	4	2	2	64	.22	.081	36	19	1.16	115	.11	9	2.53	.01	2.08	1	20
217128	3	181	29	93	.1	7	5	317	4.48	6	5	MD	12	233	1	2	2	36	.16	.056	22	24	.59	61	.04	12	1.67	.04	.71	1	67
217129	2	257	16	234	.3	15	17	761	3.53	4	5	MD	17	162	4	2	2	46	.30	.059	24	26	1.02	76	.09	4	1.97	.01	1.59	1	57
217130	3	195	13	291	.2	22	35	1908	3.65	3	5	MD	16	50	5	2	2	63	.54	.095	19	25	1.69	131	.20	9	2.15	.01	2.79	1	12
217131	1	27	10	99	.1	17	19	767	3.36	5	5	MD	11	77	2	2	2	51	.61	.006	18	20	1.45	160	.21	4	2.00	.01	3.03	1	7
217132	3	33	26	132	.1	15	19	1013	3.99	4	5	MD	11	83	3	2	2	54	.58	.008	17	20	1.57	151	.19	7	2.10	.01	2.94	1	4
217133	1	24	27	87	.1	13	17	732	3.05	5	5	MD	8	87	1	2	2	40	.73	.075	15	25	1.26	84	.16	4	1.71	.01	1.42	1	6
217134	10	130	25	90	.1	17	21	2179	3.41	6	5	MD	10	108	3	2	2	37	.65	.073	19	25	.95	94	.10	20	1.47	.02	1.11	1	17
217135	4	51	22	108	.1	16	18	1040	3.55	7	5	MD	13	95	1	2	2	49	.76	.008	22	21	1.44	86	.17	26	2.00	.02	1.57	1	8
217136	4	53	17	127	.1	17	18	1027	4.13	4	5	MD	13	99	1	2	2	52	.75	.006	22	21	1.70	80	.20	2	2.26	.01	1.65	1	9
217137	17	58	18	132	2.1	67	28	1059	3.93	37	19	7	36	16	16	16	20	57	.46	.008	39	56	.89	175	.97	34	1.48	.06	.15	1	538

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SAMPLE	Mo	Cu	Pb	Sa	Ag	Mi	Co	Mn	Fe	As	V	Cr	Sb	Bi	V	Ca	P	La	Ct	Mg	Ba	Y	B	Al	Si	K	N	Au
PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
217137	6	77	36	106	.1	16	24	904	4.69	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217138	6	63	32	125	.1	16	27	820	4.20	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217139	13	65	50	110	.1	13	13	779	4.62	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217140	30	68	53	122	.1	13	19	854	4.99	7	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217141	11	15	10	92	2.1	10	2	30	2.71	101	6	2	1	36	1	18	2	23	36	895	1	219	201	61	11	23	81	2350-5/d
217142	7	230	59	116	.1	15	20	1459	3.71	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217143	7	316	82	83	.1	12	19	2033	2.58	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217144	8	281	39	49	.2	4	14	2329	1.42	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217145	7	207	56	141	.1	15	25	2010	3.71	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217146	8	168	43	131	.1	17	46	4184	3.66	7	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217147	4	138	52	137	.1	16	30	1658	4.08	8	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217148	3	107	42	170	.1	18	33	933	4.08	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217149	7	71	47	113	.6	13	23	672	4.43	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217150	4	120	31	128	.1	16	26	1082	4.43	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217151	9	66	27	129	.1	16	21	881	3.96	2	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217152	7	63	47	212	.1	19	24	901	3.69	7	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217153	4	88	35	149	.1	14	23	1045	3.66	7	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217154	3	87	37	144	.1	14	26	1269	4.66	13	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217155	4	95	26	137	.1	17	25	1159	4.66	12	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217156	2	71	18	125	.1	16	24	880	4.81	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217157	3	35	47	68	.1	4	5	181	1.74	31	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217158	3	31	60	92	.1	6	5	479	1.90	41	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217159	3	33	66	105	.1	4	4	430	1.60	42	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217160	3	24	92	136	.1	5	4	424	1.73	30	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217161	3	38	77	146	.1	6	5	411	1.85	36	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217162	16	16	4	11	1.9	11	1	89	1.66	99	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217163	3	30	83	131	.1	5	5	410	1.86	39	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217164	2	30	77	138	.1	5	4	371	1.68	54	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217165	2	34	83	138	.1	5	4	417	1.81	28	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217166	3	31	83	140	.1	7	4	461	1.68	32	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217167	3	34	92	192	.1	6	5	514	1.85	34	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217168	3	33	85	212	.1	6	4	406	1.79	35	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217169	3	37	88	310	.1	7	4	370	1.73	35	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217170	2	35	95	356	.1	6	4	417	1.87	40	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217171	2	30	70	279	.1	5	4	353	1.73	39	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217172	2	28	66	247	.1	6	4	431	1.73	40	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
217173	11	56	11	132	7.2	81	28	1056	1.88	11	23	8	36	11	16	17	26	44	886	38	55	73	172	87	33	1.98	86	15

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## A.C.N.C. SPARKS PROJECT #1069 III FILE # 88-2783

SAMPLE	NO	CU	PB	20	AG	NI	CO	MO	FE	AS	0	AL	TH	SE	CD	SO	BI	V	Ca	P	La	Ce	Mg	Ba	Ti	B	Al	Na	K	U	Au	
217173	2	30	79	239	.3	5	4	623	1.63	36	5	MD	16	43	4	2	2	12	.23	.042	28	16	.30	106	.04	7	.71	.02	.35	1	7	
217174	3	35	85	237	.1	5	4	355	1.64	39	5	MD	17	43	4	2	2	11	.23	.042	28	22	.27	118	.03	5	.69	.02	.32	1	4	
217175	3	31	78	233	.1	5	4	439	1.55	40	5	MD	16	38	2	2	3	.11	.23	.044	28	18	.30	134	.04	2	.72	.02	.35	1	3	
217176	3	35	74	238	.1	6	4	492	1.71	60	5	MD	16	41	3	2	2	11	.24	.043	29	10	.30	201	.04	4	.74	.02	.35	1	8	
217177	3	36	69	205	.1	6	4	492	1.58	40	5	MD	17	39	3	2	2	11	.24	.050	29	21	.28	122	.04	16	.69	.02	.35	1	2	
217178	3	35	75	223	.4	6	4	527	1.63	36	5	MD	16	45	2	2	2	11	.26	.054	31	20	.30	107	.04	5	.78	.02	.35	1	8	
217179	3	29	77	216	.1	6	4	494	1.67	37	5	MD	19	37	3	2	2	11	.24	.051	30	21	.29	95	.04	11	.70	.02	.33	1	3	
217180	14	26	74	164	.1	4	4	472	2.49	35	5	MD	10	33	2	2	75	.9	.23	.040	29	41	.25	91	.04	3	.96	.14	.30	1	5	
217181	3	26	101	168	.1	5	4	459	1.57	40	5	MD	16	31	2	2	3	2	10	.24	.056	31	22	.27	77	.04	2	.64	.02	.30	1	10
217182	2	25	94	160	.1	5	3	562	1.53	35	5	MD	15	28	2	2	2	10	.20	.044	27	15	.24	156	.03	6	.56	.01	.28	1	2	
217183	3	28	84	150	.1	4	4	624	1.52	41	5	MD	15	24	2	2	3	10	.21	.044	28	20	.24	96	.04	8	.58	.02	.29	1	6	
217184	3	28	97	153	.1	4	3	523	1.63	38	5	MD	15	29	1	2	2	10	.23	.055	30	24	.26	81	.04	4	.62	.01	.31	1	20	
217185	4	27	103	135	.1	4	3	475	1.61	34	5	MD	15	29	1	2	2	10	.22	.044	29	23	.27	85	.03	4	.64	.02	.29	1	15	
217186	3	31	87	129	.2	4	4	482	1.65	33	5	MD	16	31	3	2	2	11	.23	.047	30	21	.26	76	.03	8	.61	.02	.27	1	22	
217187	3	38	77	146	.2	7	4	395	2.05	30	5	MD	17	31	2	2	3	13	.23	.044	32	20	.32	95	.03	9	.69	.02	.29	1	18	
217188	3	35	109	92	.1	4	5	578	1.85	30	5	MD	15	29	2	2	2	12	.21	.042	33	21	.26	101	.02	2	.60	.02	.26	1	15	
217189	17	16	10	94	2.3	11	2	.09	.72	104	5	MD	1	37	1	20	2	.27	.36	.005	4	207	.04	399	.01	11	.16	.01	.07	2	2770-56d	
217190	3	35	78	101	.1	5	4	433	1.72	33	5	MD	16	28	1	2	284	.12	.22	.042	29	22	.28	123	.04	3	.64	.02	.31	2	25	
217191	5	33	119	99	.2	5	5	1154	1.54	40	5	MD	17	24	2	2	2	11	.20	.042	28	48	.24	104	.04	4	.56	.02	.30	1	28	
217192	3	30	115	135	.1	6	4	650	1.76	35	5	MD	17	22	2	2	3	12	.19	.038	28	18	.23	82	.02	17	.54	.02	.24	1	34	
217193	5	35	89	143	.1	5	4	552	1.51	29	5	MD	16	23	2	2	3	10	.20	.040	28	46	.26	80	.03	11	.59	.02	.26	1	20	
217194	4	47	99	159	.1	4	4	661	1.55	33	5	MD	15	28	1	2	2	11	.22	.042	28	22	.25	99	.04	4	.61	.02	.31	2	6	
217195	9	71	105	227	.1	6	9	1612	1.54	32	5	MD	15	32	2	2	2	11	.22	.043	26	40	.26	122	.04	12	.61	.02	.31	1	26	
217196	13	65	197	444	.1	13	12	3334	1.90	20	5	MD	16	58	5	2	5	12	.18	.038	32	20	.28	229	.02	4	.69	.03	.28	1	8	
217197	6	38	187	170	.1	7	6	690	1.90	20	6	MD	17	33	3	2	3	12	.17	.029	31	35	.28	136	.01	6	.63	.02	.24	1	12	
217198	4	59	144	136	.2	8	11	829	2.30	14	5	MD	18	52	3	2	2	18	.18	.036	26	24	.39	99	.04	14	.63	.02	.36	1	11	
217199	6	49	135	90	.1	6	6	618	1.92	12	5	MD	17	68	2	2	2	13	.14	.032	28	43	.31	124	.02	11	.75	.03	.32	1	7	
217500	3	51	120	85	.1	5	6	524	2.10	15	5	MD	17	74	2	2	2	15	.17	.038	30	19	.34	100	.04	2	.80	.03	.34	1	1	
217501	17	16	8	98	2.0	11	2	.92	.72	105	5	MD	1	38	1	19	2	.28	.37	.005	3	217	.04	401	.01	13	.18	.01	.07	8	2470-54d	
217502	4	61	75	124	.1	7	9	618	2.46	13	5	MD	16	84	2	2	2	19	.27	.053	26	18	.52	1008	.07	3	1.01	.03	1.06	1	21	
217503	2	50	89	110	.1	7	7	626	2.18	18	5	MD	16	64	2	2	3	16	.22	.042	26	17	.39	105	.05	6	.80	.02	.37	1	17	
217504	5	93	96	161	.1	8	12	1003	2.32	12	5	MD	15	49	1	2	2	18	.19	.039	25	33	.40	110	.05	5	.85	.03	.32	1	14	
217505	4	120	74	184	.1	11	23	2305	2.60	13	5	MD	15	123	1	2	2	22	.16	.040	26	20	.44	139	.04	7	.96	.04	1.02	1	16	
217506	7	120	57	119	.1	7	24	2315	2.52	14	5	MD	15	156	2	2	2	19	.11	.036	24	42	.63	117	.04	16	.90	.03	1.05	1	26	
217507	4	110	20	99	.1	7	5	539	2.25	5	5	MD	11	216	1	2	2	16	.08	.024	20	32	.60	67	.04	3	1.17	.02	.66	1	1	
217508	8	92	32	110	.1	8	10	863	2.97	9	5	MD	17	151	1	2	2	17	.21	.023	19	39	.72	68	.03	2	1.15	.02	.68	2	3	
217509	17	56	37	112	7.1	69	28	1656	3.94	36	18	4	36	47	17	17	19	.18	.080	48	55	.83	172	.07	32	1.35	.06	.75	17	430		

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## A.C.N.C. SPARKS PROJECT #1069 III FILE # 88-2783

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SAMPLE	NO	CU	PD	SN	AG	VI	CO	MO	FE	AS	U	AR	TH	ST	CD	SB	BI	V	CA	P	LA	CR	KG	BZ	TI	S	AL	FA	I	V	AC
		PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM	
207509	3	44	40	92	.1	9	6	302	2.93	6	6	ND	20	116	1	3	3	21	.21	.033	26	21	.82	71	.81	7	1.05	.02	.55	1	9
207510	10	47	27	98	.2	13	9	419	3.23	6	6	ND	21	135	1	2	2	20	.22	.025	30	43	1.04	50	.04	11	1.20	.02	.70	1	10
207511	5	51	35	106	.1	9	9	596	2.04	11	5	ND	20	58	1	3	2	20	.21	.010	31	20	.95	67	.04	10	1.14	.02	.73	1	11

76094



## BOREHOLE LOG

BOREHOLE : 79953

DATE PRINTED 24/ 2/1989

NCRTHING : 10024.00 EASTING : 8802.00 ELEVATION : 1230.00 FINAL DEPTH 500.00

CLAIM #	SE 105	COMPLETED	01/08/89
SECTION	8800 E	N OR S	N
E OR W	E	STARTED	01/07/89
LOGGED BY	JL,PT	PROJECT	STRAY ELEPHANT
MEASUREMENT UNITS M OR FT	Ft	DRILLED BY	Major
DRILL TYPE	RCR	BASELINE AZIMUTH	310
BOREHOLE BEARING(GRID BEARING)	360	HOLE SIZE	5.5 Inch
LEVEL	Surface	COUNTRY	USA
PROV/STATE	Arizona	ASSAYED FOR	Au
TOWNSHIP	4N	RANGE	20W
SECTION	32	COUNTY	La Paz
QUADRANGLE	Middle Camp Mtn. 7.5'		
COMMENTS Hit water at 185 ft.; Au level of detection is 20 ppb			

## DEVIATION RECORDS

FOOTAGE	AZIMUTH	DIP	FOOTAGE	AZIMUTH	DIP	FOOTAGE	AZIMUTH	DIP
.00	360.00	-90.00	500.00	360.00	-90.00			

FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au
						ppb

.00 140.00 METAVOLCANIC

Tuff, white, foliated, argillic alteration, hematite and limonite common and locally abundant, gypsum locally.

FX085126	.00	5.00	20	-	-	-	-
FX085127	5.00	10.00	20	-	-	-	-
FX085128	10.00	15.00	20	-	-	-	-
FX085129	15.00	20.00	20	-	-	-	-
FX085131	20.00	25.00	20	-	-	-	-
FX085132	25.00	30.00	20	-	-	-	-
FX085133	30.00	35.00	20	-	-	-	-
FX085134	35.00	40.00	20	-	-	-	-
FX085135	40.00	45.00	20	-	-	-	-
FX085136	45.00	50.00	20	-	-	-	-
FX085137	50.00	55.00	20	-	-	-	-
FX085138	55.00	60.00	20	-	-	-	-
FX085139	60.00	65.00	20	-	-	-	-
FX085140	65.00	70.00	20	-	-	-	-
FX085141	70.00	75.00	50	-	-	-	-
FX085142	75.00	80.00	40	-	-	-	-
FX085143	80.00	85.00	40	-	-	-	-
FX085144	85.00	90.00	300	-	-	-	-
FX085145	90.00	95.00	220	-	-	-	-

FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb				
			FX085146	95.00	100.00	79	-	-	-	-
			FX085147	100.00	105.00	30	-	-	-	-
			FX085148	105.00	110.00	20	-	-	-	-
			FX085149	110.00	115.00	20	-	-	-	-
			FX085150	115.00	120.00	150	-	-	-	-
			FX085151	120.00	125.00	130	-	-	-	-
			FX085152	125.00	130.00	30	-	-	-	-
			FX085153	130.00	135.00	430	-	-	-	-
			FX085154	135.00	140.00	79	-	-	-	-
140.00	185.00	METAVOLCANIC								
		Foliated grey-green metavolcanic,	FX085155	140.00	145.00	110	-	-	-	-
		pyrite disseminated and in stringers	FX085156	145.00	150.00	70	-	-	-	-
		1-3%, gray gouge and trace molybdenite	FX085157	150.00	155.00	50	-	-	-	-
		locally.	FX085158	155.00	160.00	50	-	-	-	-
			FX085159	160.00	165.00	30	-	-	-	-
			FX085160	165.00	170.00	60	-	-	-	-
			FX085161	170.00	175.00	40	-	-	-	-
			FX085162	175.00	180.00	120	-	-	-	-
			FX085163	180.00	185.00	60	-	-	-	-
185.00	205.00	METAVOLCANIC								
		White, foliated, with chlorite, pyrite	FX085164	185.00	190.00	30	-	-	-	-
		1-2%.	FX085165	190.00	195.00	29	-	-	-	-
			FX085166	195.00	200.00	70	-	-	-	-
			FX085168	200.00	205.00	20	-	-	-	-
205.00	275.00	METAVOLCANIC								
		Green, with chlorite, 2-3% pyrite.	FX085169	205.00	210.00	20	-	-	-	-
			FX085170	210.00	215.00	20	-	-	-	-
			FX085171	215.00	220.00	40	-	-	-	-
			FX085172	220.00	225.00	59	-	-	-	-
			FX085173	225.00	230.00	50	-	-	-	-
			FX085174	230.00	235.00	40	-	-	-	-
			FX085175	235.00	240.00	20	-	-	-	-
			FX085176	240.00	245.00	30	-	-	-	-
			FX085177	245.00	250.00	70	-	-	-	-
			FX085178	250.00	255.00	30	-	-	-	-
			FX085179	255.00	260.00	60	-	-	-	-
			FX085180	260.00	265.00	30	-	-	-	-
			FX085181	265.00	270.00	20	-	-	-	-
			FX085182	270.00	275.00	20	-	-	-	-
275.00	300.00	METAVOLCANIC								
		Dark, grey-green strongly foliated,	FX085183	275.00	280.00	20	-	-	-	-
		2-3% pyrite.	FX085184	280.00	285.00	20	-	-	-	-
			FX085186	285.00	290.00	20	-	-	-	-
			FX085187	290.00	295.00	20	-	-	-	-
			FX085188	295.00	300.00	20	-	-	-	-
300.00	500.00	METAVOLCANIC								
		Dark green, schistose, less than 1%	FX085189	300.00	305.00	20	-	-	-	-
		pyrite, epidote locally.	FX085190	305.00	310.00	20	-	-	-	-

FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb				
		Foot of hole.	FX085191	310.00	315.00	50	-	-	-	-
			FX085192	315.00	320.00	30	-	-	-	-
			FX085193	320.00	325.00	20	-	-	-	-
			FX085194	325.00	330.00	50	-	-	-	-
			FX085195	330.00	335.00	29	-	-	-	-
			FX085196	335.00	340.00	30	-	-	-	-
			FX085197	340.00	345.00	90	-	-	-	-
			FX085198	345.00	350.00	20	-	-	-	-
			FX085199	350.00	355.00	59	-	-	-	-
			FX085200	355.00	360.00	20	-	-	-	-
			FX085201	360.00	365.00	20	-	-	-	-
			FX085202	365.00	370.00	20	-	-	-	-
			FX085203	370.00	375.00	20	-	-	-	-
			FX085204	375.00	380.00	20	-	-	-	-
			FX085205	380.00	385.00	90	-	-	-	-
			FX085206	385.00	390.00	20	-	-	-	-
			FX085207	390.00	395.00	20	-	-	-	-
			FX085208	395.00	400.00	20	-	-	-	-
			FX085209	400.00	405.00	20	-	-	-	-
			FX085210	405.00	410.00	20	-	-	-	-
			FX085212	410.00	415.00	20	-	-	-	-
			FX085213	415.00	420.00	20	-	-	-	-
			FX085214	420.00	425.00	20	-	-	-	-
			FX085215	425.00	430.00	20	-	-	-	-
			FX085216	430.00	435.00	130	-	-	-	-
			FX085217	435.00	440.00	20	-	-	-	-
			FX085218	440.00	445.00	30	-	-	-	-
			FX085219	445.00	450.00	20	-	-	-	-
			FX085220	450.00	455.00	70	-	-	-	-
			FX085221	455.00	460.00	20	-	-	-	-
			FX085222	460.00	465.00	20	-	-	-	-
			FX085223	465.00	470.00	20	-	-	-	-
			FX085224	470.00	475.00	20	-	-	-	-
			FX085225	475.00	480.00	20	-	-	-	-
			FX085226	480.00	485.00	20	-	-	-	-
			FX085227	485.00	490.00	40	-	-	-	-
			FX085228	490.00	495.00	20	-	-	-	-
			FX085229	495.00	500.00	20	-	-	-	-

## BOREHOLE LOG

BOREHOLE : 79954

DATE PRINTED 24/ 2/1989

NORTHING : 7998.00 EASTING : 10090.00 ELEVATION : 1325.00 FINAL DEPTH 500.00

CLAIM #	SE 113	COMPLETED	01/09/89
SECTION	10100 E	N OR S	N
E OR W	E	STARTED	01/09/89
LOGGED BY	JL	PROJECT	STRAY ELEPHANT
MEASUREMENT UNITS M OR FT	Ft	DRILLED BY	Major
DRILL TYPE	RCR	BASELINE AZIMUTH	310
BOREHOLE BEARING(GRID BEARING)	355	HOLE SIZE	5.5 Inch
LEVEL	Surface	COUNTRY	USA
PROV/STATE	Arizona	ASSAYED FOR	Au
TOWNSHIP	3N	RANGE	20W
SECTION	5	COUNTY	La Paz
QUADRANGLE	Middle Camp Mtn. 7.5'		
COMMENTS	Hit water at 325 ft.; Au level of detection is 20 ppb		

## DEVIATION RECORDS

FOOTAGE	AZIMUTH	DIP	FOOTAGE	AZIMUTH	DIP	FOOTAGE	AZIMUTH	DIP
.00	35.00	-59.00	500.00	35.00	-59.00			

FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb				
.00	10.00	OVERBURDEN								
		Road fill.	FX085230	.00	5.00	20	-	-	-	-
			FX085231	5.00	10.00	20	-	-	-	-
10.00	80.00	METAVOLCANIC								
		White, argillic alteration, limonite	FX085232	10.00	15.00	20	-	-	-	-
		and hematite, minor pyrite, minor black	FX085233	15.00	20.00	20	-	-	-	-
		tourmaline.	FX085235	20.00	25.00	20	-	-	-	-
			FX085236	25.00	30.00	20	-	-	-	-
			FX085237	30.00	35.00	20	-	-	-	-
			FX085238	35.00	40.00	20	-	-	-	-
			FX085239	40.00	45.00	20	-	-	-	-
			FX085240	45.00	50.00	20	-	-	-	-
			FX085241	50.00	55.00	20	-	-	-	-
			FX085242	55.00	60.00	20	-	-	-	-
			FX085243	60.00	65.00	20	-	-	-	-
			FX085244	65.00	70.00	20	-	-	-	-
			FX085245	70.00	75.00	20	-	-	-	-
			FX085246	75.00	80.00	20	-	-	-	-
80.00	120.00	METAVOLCANIC								
		Gray to white, granitic texture, 2%	FX085247	80.00	85.00	20	-	-	-	-
		disseminated pyrite, 1% black	FX085248	85.00	90.00	20	-	-	-	-

FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb				
		tourmaline, purple gouge locally.	FX085249	90.00	95.00	20	-	-	-	-
			FX085250	95.00	100.00	20	-	-	-	-
			FX085251	100.00	105.00	20	-	-	-	-
			FX085252	105.00	110.00	20	-	-	-	-
			FX085253	110.00	115.00	20	-	-	-	-
			FX085254	115.00	120.00	20	-	-	-	-
120.00	140.00	METASEDIMENT								
		Arkose, black to dark green matrix,	FX085255	120.00	125.00	20	-	-	-	-
		25% black tourmaline, 2% pyrite.	FX085256	125.00	130.00	20	-	-	-	-
			FX085257	130.00	135.00	20	-	-	-	-
			FX085258	135.00	140.00	20	-	-	-	-
140.00	215.00	METASEDIMENT								
		Arkose, dark green matrix, granitic	FX085259	140.00	145.00	20	-	-	-	-
		rock locally.	FX085260	145.00	150.00	20	-	-	-	-
			FX085261	150.00	155.00	20	-	-	-	-
			FX085262	155.00	160.00	20	-	-	-	-
			FX085263	160.00	165.00	20	-	-	-	-
			FX085264	165.00	170.00	20	-	-	-	-
			FX085266	170.00	175.00	20	-	-	-	-
			FX085267	175.00	180.00	20	-	-	-	-
			FX085268	180.00	185.00	20	-	-	-	-
			FX085269	185.00	190.00	20	-	-	-	-
			FX085270	190.00	195.00	20	-	-	-	-
			FX085271	195.00	200.00	20	-	-	-	-
			FX085272	200.00	205.00	20	-	-	-	-
			FX085273	205.00	210.00	20	-	-	-	-
			FX085274	210.00	215.00	20	-	-	-	-
215.00	225.00	METAVOLCANIC								
		Light gray, schistose, 2-3% pyrite.	FX085275	215.00	220.00	20	-	-	-	-
			FX085276	220.00	225.00	20	-	-	-	-
225.00	260.00	METASEDIMENT								
		Arkose, dark green, minor pyrite.	FX085277	225.00	230.00	20	-	-	-	-
			FX085278	230.00	235.00	20	-	-	-	-
			FX085279	235.00	240.00	20	-	-	-	-
			FX085281	240.00	245.00	20	-	-	-	-
			FX085282	245.00	250.00	20	-	-	-	-
			FX085283	250.00	255.00	20	-	-	-	-
			FX085284	255.00	260.00	20	-	-	-	-
260.00	280.00	METAVOLCANIC								
		Gray, schistose, 1-2% pyrite, gray	FX085285	260.00	265.00	20	-	-	-	-
		gouge locally.	FX085286	265.00	270.00	40	-	-	-	-
			FX085287	270.00	275.00	20	-	-	-	-
			FX085288	275.00	280.00	20	-	-	-	-
280.00	320.00	METAVOLCANIC								
		White, schistose, 1% pyrite in	FX085289	280.00	285.00	20	-	-	-	-
		foliation.	FX085290	285.00	290.00	20	-	-	-	-
			FX085291	290.00	295.00	20	-	-	-	-

FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb				
			FX085292	295.00	300.00	20	-	-	-	-
			FX085293	300.00	305.00	20	-	-	-	-
			FX085294	305.00	310.00	20	-	-	-	-
			FX085295	310.00	315.00	20	-	-	-	-
			FX085296	315.00	320.00	20	-	-	-	-
320.00	370.00	METASEDIMENT								
		Arkose, dark green, minor pyrite.	FX085298	320.00	325.00	20	-	-	-	-
			FX085299	325.00	330.00	20	-	-	-	-
			FX085300	330.00	335.00	20	-	-	-	-
			FX085601	335.00	340.00	20	-	-	-	-
			FX085602	340.00	345.00	20	-	-	-	-
			FX085603	345.00	350.00	30	-	-	-	-
			FX085604	350.00	355.00	20	-	-	-	-
			FX085605	355.00	360.00	20	-	-	-	-
			FX085606	360.00	365.00	20	-	-	-	-
			FX085608	365.00	370.00	20	-	-	-	-
370.00	400.00	METAVOLCANIC								
		Gray and dark grey-green, 1% pyrite, 1-3% black tourmaline.	FX085609	370.00	375.00	20	-	-	-	-
			FX085610	375.00	380.00	20	-	-	-	-
			FX085612	380.00	385.00	20	-	-	-	-
			FX085613	385.00	390.00	20	-	-	-	-
			FX085614	390.00	395.00	20	-	-	-	-
			FX085615	395.00	400.00	20	-	-	-	-
400.00	445.00	METAVOLCANIC								
		Light gray, schistose, 2% pyrite, 2% tourmaline, clay locally.	FX085616	400.00	405.00	20	-	-	-	-
			FX085617	405.00	410.00	20	-	-	-	-
			FX085618	410.00	415.00	20	-	-	-	-
			FX085619	415.00	420.00	20	-	-	-	-
			FX085620	420.00	425.00	20	-	-	-	-
			FX085621	425.00	430.00	20	-	-	-	-
			FX085622	430.00	435.00	20	-	-	-	-
			FX085623	435.00	440.00	20	-	-	-	-
			FX085624	440.00	445.00	20	-	-	-	-
445.00	460.00	METASEDIMENT								
		Arkose, dark green, minor pyrite.	FX085625	445.00	450.00	20	-	-	-	-
			FX085626	450.00	455.00	20	-	-	-	-
			FX085627	455.00	460.00	20	-	-	-	-
460.00	490.00	METAVOLCANIC								
		Metavolcanic 50%, arkose 50%.	FX085628	460.00	465.00	20	-	-	-	-
			FX085629	465.00	470.00	20	-	-	-	-
			FX085630	470.00	475.00	20	-	-	-	-
			FX085631	475.00	480.00	20	-	-	-	-
			FX085632	480.00	485.00	20	-	-	-	-
			FX085633	485.00	490.00	20	-	-	-	-
490.00	500.00	METASEDIMENT								
		Arkose, dark green, minor pyrite.	FX085634	490.00	495.00	20	-	-	-	-
		Foot of hole.	FX085636	495.00	500.00	20	-	-	-	-

## BOREHOLE LOG

BOREHOLE : 79955

DATE PRINTED 24/ 2/1989

NORTHING : 10360.00 EASTING : 9800.00 ELEVATION : 1225.00 FINAL DEPTH 500.00

CLAIM #	SE 106	COMPLETED	01/10/89
SECTION	9800 E	N OR S	N
E OR W	E	STARTED	01/10/89
LOGGED BY	JL	PROJECT	STRAY ELEPHANT
MEASUREMENT UNITS M OR FT	Ft	DRILLED BY	Major
DRILL TYPE	RCR	BASELINE AZIMUTH	310
BOREHOLE BEARING (GRID BEARING)	180	HOLE SIZE	5.5 Inch
LEVEL	Surface	COUNTRY	USA
PROV/STATE	Arizona	ASSAYED FOR	Au
TOWNSHIP	4N	RANGE	20W
SECTION	32	COUNTY	La Paz
QUADRANGLE	Middle Camp Mtn. 7.5'		
COMMENTS	Hit water at 275 ft.; Au level of detection is 20 ppb		

## DEVIATION RECORDS

FOOTAGE	AZIMUTH	DIP	FOOTAGE	AZIMUTH	DIP	FOOTAGE	AZIMUTH	DIP
.00	220.00	-45.00	500.00	220.00	-45.00			

FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au
						ppb

.00 15.00 OVERBURDEN

Terrace material.

FX085637	.00	5.00	20	-	-	-
FX085638	5.00	10.00	20	-	-	-
FX085639	10.00	15.00	20	-	-	-

15.00 135.00 METAVOLCANIC

White, argillic alteration, iron oxide  
stained, hematite abundant locally,  
gypsum locally, white quartz veinlets  
locally, clay rich locally.

FX085640	15.00	20.00	20	-	-	-
FX085641	20.00	25.00	20	-	-	-
FX085642	25.00	30.00	20	-	-	-
FX085643	30.00	35.00	20	-	-	-
FX085644	35.00	40.00	20	-	-	-
FX085645	40.00	45.00	20	-	-	-
FX085646	45.00	50.00	100	-	-	-
FX085647	50.00	55.00	50	-	-	-
FX085648	55.00	60.00	80	-	-	-
FX085649	60.00	65.00	120	-	-	-
FX085650	65.00	70.00	500	-	-	-
FX085651	70.00	75.00	90	-	-	-
FX085652	75.00	80.00	60	-	-	-
FX085653	80.00	85.00	160	-	-	-
FX085654	85.00	90.00	310	-	-	-

79955

45'-190 4070 ÷ 24 = 140 ppb Au

190 - 355 2770 ÷ 33 = 84 ppb

355 - 455 1020 ÷ 20 = 51 ppb

45 - 655 7860 ÷ 20 = 96 ppb

145' 45-355 (310') 110 ppb Au

165' 45-455 (410') 96 ppb Au

105'

79955

FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb				
			FX085655	90.00	95.00	200	-	-	-	-
			FX085656	95.00	100.00	90	-	-	-	-
			FX085657	100.00	105.00	100	-	-	-	-
			FX085658	105.00	110.00	60	-	-	-	-
			FX085659	110.00	115.00	90	-	-	-	-
			FX085661	115.00	120.00	140	-	-	-	-
			FX085662	120.00	125.00	20	-	-	-	-
			FX085663	125.00	130.00	210	-	-	-	-
			FX085664	130.00	135.00	360	-	-	-	-
135.00	205.00	METAVOLCANIC								
		Gray, schistose, 1-3% pyrite, blue	FX085665	135.00	140.00	110	-	-	-	-
		secondary copper? mineral locally.	FX085666	140.00	145.00	60	-	-	-	-
			FX085667	145.00	150.00	100	-	-	-	-
			FX085668	150.00	155.00	200	-	-	-	-
			FX085669	155.00	160.00	160	-	-	-	-
			FX085670	160.00	165.00	60	-	-	-	-
			FX085671	165.00	170.00	140	-	-	-	-
			FX085672	170.00	175.00	80	-	-	-	-
			FX085673	175.00	180.00	70	-	-	-	-
			FX085674	180.00	185.00	190	-	-	-	-
			FX085675	185.00	190.00	160	-	-	-	-
			FX085676	190.00	195.00	80	-	-	-	-
			FX085677	195.00	200.00	40	-	-	-	-
			FX085678	200.00	205.00	80	-	-	-	-
205.00	210.00	METAVOLCANIC								
		Abundant iron oxide, no pyrite.	FX085679	205.00	210.00	20	-	-	-	-
210.00	270.00	METAVOLCANIC								
		Gray, schistose, 2% pyrite, clay rich	FX085680	210.00	215.00	30	-	-	-	-
		265-270.	FX085681	215.00	220.00	210	-	-	-	-
			FX085682	220.00	225.00	60	-	-	-	-
			FX085683	225.00	230.00	90	-	-	-	-
			FX085684	230.00	235.00	60	-	-	-	-
			FX085685	235.00	240.00	50	-	-	-	-
			FX085686	240.00	245.00	30	-	-	-	-
			FX085687	245.00	250.00	40	-	-	-	-
			FX085688	250.00	255.00	60	-	-	-	-
			FX085689	255.00	260.00	80	-	-	-	-
			FX085690	260.00	265.00	240	-	-	-	-
			FX085691	265.00	270.00	70	-	-	-	-
270.00	330.00	METAVOLCANIC								
		Light gray, schistose, minor pyrite,	FX085692	270.00	275.00	30	-	-	-	-
		clay locally.	FX085693	275.00	280.00	170	-	-	-	-
			FX085694	280.00	285.00	70	-	-	-	-
			FX085695	285.00	290.00	140	-	-	-	-
			FX085697	290.00	295.00	80	-	-	-	-
			FX085698	295.00	300.00	50	-	-	-	-
			FX085699	300.00	305.00	90	-	-	-	-



FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb				
			FX085700	305.00	310.00	110	-	-	-	-
			FX085701	310.00	315.00	140	-	-	-	-
			FX085702	315.00	320.00	60	-	-	-	-
			FX085703	320.00	325.00	40	-	-	-	-
			FX085704	325.00	330.00	50	-	-	-	-
330.00	410.00	METAVOLCANIC								
		Metabasalt, dark grey-green, white quartz locally.	FX085705	330.00	335.00	50	-	-	-	-
			FX085707	335.00	340.00	70	-	-	-	-
			FX085708	340.00	345.00	60	-	-	-	-
			FX085709	345.00	350.00	100	-	-	-	-
			FX085710	350.00	355.00	220	-	220	-	-
			FX085711	355.00	360.00	30	-	-	-	-
			FX085712	360.00	365.00	30	-	-	-	-
			FX085713	365.00	370.00	40	-	-	-	-
			FX085714	370.00	375.00	40	-	-	-	-
			FX085715	375.00	380.00	40	-	-	-	-
			FX085716	380.00	385.00	20	-	-	-	-
			FX085717	385.00	390.00	120	-	-	-	-
			FX085718	390.00	395.00	70	-	-	-	-
			FX085719	395.00	400.00	40	-	-	-	-
			FX085720	400.00	405.00	60	-	-	-	-
			FX085721	405.00	410.00	20	-	-	-	-
410.00	445.00	METAVOLCANIC								
		White to light gray, granitic texture locally, 2-20% pyrite.	FX085723	410.00	415.00	40	-	-	-	-
			FX085724	415.00	420.00	60	-	-	-	-
			FX085725	420.00	425.00	30	-	-	-	-
			FX085726	425.00	430.00	20	-	-	-	-
			FX085727	430.00	435.00	30	-	-	-	-
			FX085728	435.00	440.00	40	-	-	-	-
			FX085729	440.00	445.00	50	-	-	-	-
445.00	500.00	METAVOLCANIC								
		Metabasalt, dark grey-green, epidote locally, 1% pyrite, grz-py veinlets with molybdenite 490-495. Foot of hole.	FX085730	445.00	450.00	40	-	-	-	-
			FX085731	450.00	455.00	200	-	-	-	-
			FX085732	455.00	460.00	50	-	-	-	-
			FX085733	460.00	465.00	60	-	-	-	-
			FX085734	465.00	470.00	30	-	-	-	-
			FX085735	470.00	475.00	30	-	-	-	-
			FX085736	475.00	480.00	20	-	-	-	-
			FX085737	480.00	485.00	20	-	-	-	-
			FX085738	485.00	490.00	40	-	-	-	-
			FX085739	490.00	495.00	20	-	-	-	-
			FX085740	495.00	500.00	40	-	-	-	-

## BOREHOLE LOG

BOREHOLE : 79956

DATE PRINTED

24/ 2/1989

NORTHING : 10372.00 EASTING : 9800.00 ELEVATION : 1225.00 FINAL DEPTH 500.00

CLAIM #	SE 106	COMPLETED	01/11/89
SECTION	9800 E	N OR S	N
E OR W	E	STARTED	01/11/89
LOGGED BY	JL	PROJECT	STRAY ELEPHANT
MEASUREMENT UNITS M OR FT	Ft	DRILLED BY	Major
DRILL TYPE	RCR	BASELINE AZIMUTH	310
BOREHOLE BEARING(GRID BEARING)	360	HOLE SIZE	5.5 Inch
LEVEL	Surface	COUNTRY	USA
PROV/STATE	Arizona	ASSAYED FOR	Au
TOWNSHIP	4N	RANGE	20W
SECTION	32	COUNTY	La Paz
QUADRANGLE	Middle Camp Mtn. 7.5'		
COMMENTS	Hit water at 230 ft.; Au level of detection is 20 ppb		

## DEVIATION RECORDS

FOOTAGE	AZIMUTH	DIP	FOOTAGE	AZIMUTH	DIP	FOOTAGE	AZIMUTH	DIP
.00	360.00	-90.00	500.00	360.00	-90.00			

FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb			
.00	10.00	OVERBURDEN							
		Terrace material.	FX085741	.00	5.00	20	-	-	-
			FX085742	5.00	10.00	20	-	-	-
10.00	125.00	METAVOLCANIC							
		White, argillic alteration, abundant iron oxide.	FX085743	10.00	15.00	20	-	-	-
			FX085744	15.00	20.00	20	-	-	-
			FX085745	20.00	25.00	20	-	-	-
			FX085747	25.00	30.00	20	-	-	-
			FX085748	30.00	35.00	20	-	-	-
			FX085749	35.00	40.00	20	-	-	-
			FX085750	40.00	45.00	20	-	-	-
			FX085751	45.00	50.00	20	-	-	-
			FX085752	50.00	55.00	20	-	-	-
			FX085753	55.00	60.00	30	-	-	-
			FX085754	60.00	65.00	20	-	-	-
			FX085755	65.00	70.00	20	-	-	-
			FX085756	70.00	75.00	30	-	-	-
			FX085757	75.00	80.00	20	-	-	-
			FX085758	80.00	85.00	40	-	-	-
			FX085759	85.00	90.00	160	-	-	-

79956

85-215' 130' 92 ppb Au  
215-355 140' 64 ppb Au

85-355

77 ppb Au

79956

FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb			
			FX085760	90.00	95.00	70	-	-	-
			FX085761	95.00	100.00	60	-	-	-
			FX085762	100.00	105.00	20	-	-	-
			FX085763	105.00	110.00	20	-	-	-
			FX085764	110.00	115.00	160	-	-	-
			FX085765	115.00	120.00	70	-	-	-
			FX085766	120.00	125.00	130	-	-	-
125.00	155.00	METAVOLCANIC							
		White, argillic alteration, iron oxide	FX085767	125.00	130.00	120	-	-	-
		and pyrite.	FX085768	130.00	135.00	70	-	-	-
			FX085769	135.00	140.00	100	-	-	-
			FX085770	140.00	145.00	110	-	-	-
			FX085771	145.00	150.00	160	-	-	-
			FX085772	150.00	155.00	40	-	-	-
155.00	170.00	METAVOLCANIC							
		White, mix of iron oxide and pyrite	FX085773	155.00	160.00	60	-	-	-
		bearing rock.	FX085774	160.00	165.00	190	-	-	-
			FX085775	165.00	170.00	50	-	-	-
170.00	195.00	METAVOLCANIC							
		White, 2% pyrite, 1% molybdenite? in	FX085776	170.00	175.00	140	-	-	-
		fractures.	FX085778	175.00	180.00	50	-	-	-
			FX085779	180.00	185.00	80	-	-	-
			FX085780	185.00	190.00	50	-	-	-
			FX085781	190.00	195.00	50	-	-	-
195.00	215.00	METAVOLCANIC							
		Gray, foliated, 2% pyrite.	FX085782	195.00	200.00	40	-	-	-
			FX085783	200.00	205.00	220	-	-	-
			FX085784	205.00	210.00	50	-	-	-
			FX085785	210.00	215.00	120	-	-	-
215.00	230.00	METAVOLCANIC							
		Gray, schistose, 1-2% pyrite.	FX085786	215.00	220.00	90	-	-	-
			FX085787	220.00	225.00	70	-	-	-
			FX085788	225.00	230.00	60	-	-	-
230.00	240.00	METAVOLCANIC							
		Gray, schistose, minor bornite?, 3%	FX085789	230.00	235.00	40	-	-	-
		pyrite.	FX085790	235.00	240.00	70	-	-	-
240.00	245.00	METAVOLCANIC							
		Gray, schistose, 1% pyrite, trace	FX085791	240.00	245.00	30	-	-	-
		molybdenite.							
245.00	270.00	METAVOLCANIC							
		Gray, schistose, limonite on chips, 3%	FX085792	245.00	250.00	60	-	-	-
		pyrite.	FX085793	250.00	255.00	30	-	-	-
			FX085795	255.00	260.00	140	-	-	-
			FX085796	260.00	265.00	20	-	-	-
			FX085797	265.00	270.00	30	-	-	-
270.00	285.00	METAVOLCANIC							
		Gray, schistose, minor pyrite, clay	FX085798	270.00	275.00	30	-	-	-
		locally.	FX085799	275.00	280.00	40	-	-	-

FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb				
			FX085800	280.00	285.00	40	-	-	-	-
285.00	310.00	METAVOLCANIC								
		Gray, schistose, 3% pyrite, green tint	FX085801	285.00	290.00	70	-	-	-	-
		on sulphides locally.	FX085802	290.00	295.00	50	-	-	-	-
			FX085803	295.00	300.00	50	-	-	-	-
			FX085804	300.00	305.00	300	-	-	-	-
			FX085805	305.00	310.00	100	-	-	-	-
310.00	375.00	METAVOLCANIC								
		Gray, schistose, green secondary	FX085806	310.00	315.00	80	-	-	-	-
		copper? minerals locally, white quartz	FX085808	315.00	320.00	40	-	-	-	-
		locally, 5-10% pyrite.	FX085809	320.00	325.00	30	-	-	-	-
			FX085810	325.00	330.00	30	-	-	-	-
			FX085811	330.00	335.00	50	-	-	-	-
			FX085812	335.00	340.00	30	-	-	-	-
			FX085813	340.00	345.00	30	-	-	-	-
			FX085815	345.00	350.00	80	-	-	-	-
			FX085816	350.00	355.00	100	-	-	-	-
			FX085817	355.00	360.00	50	-	-	-	-
			FX085818	360.00	365.00	40	-	-	-	-
			FX085819	365.00	370.00	50	-	-	-	-
			FX085820	370.00	375.00	40	-	-	-	-
375.00	415.00	METAVOLCANIC								
		Gray, schistose, locally fractured,	FX085821	375.00	380.00	40	-	-	-	-
		chlorite on some fractures, 2% pyrite.	FX085822	380.00	385.00	30	-	-	-	-
			FX085823	385.00	390.00	20	-	-	-	-
			FX085824	390.00	395.00	20	-	-	-	-
			FX085825	395.00	400.00	30	-	-	-	-
			FX085826	400.00	405.00	30	-	-	-	-
			FX085827	405.00	410.00	30	-	-	-	-
			FX085828	410.00	415.00	20	-	-	-	-
415.00	470.00	METAVOLCANIC								
		Grey-green, foliated latite,	FX085829	415.00	420.00	20	-	-	-	-
		molybdenite locally, 2% pyrite.	FX085830	420.00	425.00	70	-	-	-	-
			FX085831	425.00	430.00	20	-	-	-	-
			FX085832	430.00	435.00	20	-	-	-	-
			FX085833	435.00	440.00	20	-	-	-	-
			FX085835	440.00	445.00	40	-	-	-	-
			FX085836	445.00	450.00	30	-	-	-	-
			FX085837	450.00	455.00	60	-	-	-	-
			FX085838	455.00	460.00	40	-	-	-	-
			FX085839	460.00	465.00	60	-	-	-	-
			FX085840	465.00	470.00	30	-	-	-	-
470.00	500.00	METAVOLCANIC								
		Metabasalt, dark grey-green, up to 40%	FX085841	470.00	475.00	70	-	-	-	-
		white quartz locally, 1-2% pyrite.	FX085842	475.00	480.00	79	-	-	-	-
		Foot of hole.	FX085843	480.00	485.00	170	-	-	-	-
			FX085844	485.00	490.00	29	-	-	-	-

FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb				
			FX085845	490.00	495.00	90	-	-	-	-
			FX085846	495.00	500.00	30	-	-	-	-

## BOREHOLE LOG

BOREHOLE : 79957

DATE PRINTED 24/ 2/1989

NORTHING : 9336.00 EASTING : 8802.00 ELEVATION : 1200.00 FINAL DEPTH 460.00

CLAIM #	SE 107	COMPLETED	01/13/89
SECTION	8800 E	N OR S	N
E GR W	E	STARTED	01/12/89
LOGGED BY	JL	PROJECT	STRAY ELEPHANT
MEASUREMENT UNITS M OR FT	Ft	DRILLED BY	Major
DRILL TYPE	RCR	BASELINE AZIMUTH	310
BOREHOLE BEARING(GRID BEARING)	180	HOLE SIZE	5.5 Inch
LEVEL	Surface	COUNTRY	USA
PROV/STATE	Arizona	ASSAYED FOR	Au
TOWNSHIP	4N	RANGE	20W
SECTION	32	COUNTY	La Paz
QUADRANGLE	Middle Camp Mtn. 7.5'		
COMMENTS Hit water at 165 ft.; Au level of detection is 20 ppb			

## DEVIATION RECORDS

FOOTAGE	AZIMUTH	DIP	FOOTAGE	AZIMUTH	DIP	FOOTAGE	AZIMUTH	DIP
.00	220.00	-60.00	460.00	220.00	-60.00			

FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au	ppb
.00	10.00	OVERBERDEN					
		Stream and terrace material.	FX085847	.00	5.00	20	-
			FX085848	5.00	10.00	20	-
10.00	60.00	METAVOLCANIC					
		White, argillic alteration, iron oxide abundant.	FX085849	10.00	15.00	20	-
			FX085850	15.00	20.00	110	-
			FX085851	20.00	25.00	250	-
			FX085852	25.00	30.00	30	-
			FX085853	30.00	35.00	140	-
			FX085854	35.00	40.00	270	-
			FX085855	40.00	45.00	110	-
			FX085856	45.00	50.00	100	-
			FX085857	50.00	55.00	50	-
			FX085858	55.00	60.00	30	-
60.00	65.00	METAVOLCANIC					
		50% white with argillic alteration, 50% light gray.	FX085859	60.00	65.00	30	-
65.00	90.00	METAVOLCANIC					
		Grey-green, chloritic, minor iron oxide, 1-2% pyrite.	FX085860	65.00	70.00	30	-
			FX085861	70.00	75.00	20	-
			FX085862	75.00	80.00	70	-

FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb				
			FX085863	80.00	85.00	60	-	-	-	-
			FX085864	85.00	90.00	60	-	-	-	-
90.00	115.00	METAVOLCANIC								
		Grey-green, clay rich, 1-2% pyrite.	FX085865	90.00	95.00	60	-	-	-	-
			FX085866	95.00	100.00	89	-	-	-	-
			FX085867	100.00	105.00	60	-	-	-	-
			FX085869	105.00	110.00	50	-	-	-	-
			FX085870	110.00	115.00	30	-	-	-	-
115.00	185.00	METAVOLCANIC								
		Grey-green, phyllitic.	FX085871	115.00	120.00	20	-	-	-	-
			FX085872	120.00	125.00	30	-	-	-	-
			FX085873	125.00	130.00	40	-	-	-	-
			FX085874	130.00	135.00	20	-	-	-	-
			FX085875	135.00	140.00	40	-	-	-	-
			FX085876	140.00	145.00	40	-	-	-	-
			FX085877	145.00	150.00	40	-	-	-	-
			FX085878	150.00	155.00	40	-	-	-	-
			FX085879	155.00	160.00	20	-	-	-	-
			FX085880	160.00	165.00	30	-	-	-	-
			FX085881	165.00	170.00	30	-	-	-	-
			FX085882	170.00	175.00	30	-	-	-	-
			FX085883	175.00	180.00	20	-	-	-	-
			FX085884	180.00	185.00	30	-	-	-	-
185.00	230.00	METAVOLCANIC								
		Dark gray, foliated, 2% pyrite.	FX085885	185.00	190.00	30	-	-	-	-
			FX085886	190.00	195.00	30	-	-	-	-
			FX085887	195.00	200.00	20	-	-	-	-
			FX085888	200.00	205.00	20	-	-	-	-
			FX085889	205.00	210.00	20	-	-	-	-
			FX085890	210.00	215.00	20	-	-	-	-
			FX085891	215.00	220.00	30	-	-	-	-
			FX085892	220.00	225.00	20	-	-	-	-
			FX085893	225.00	230.00	20	-	-	-	-
230.00	400.00	METAVOLCANIC								
		Gray, foliated, clay locally, 1-3% pyrite.	FX085894	230.00	235.00	20	-	-	-	-
			FX085896	235.00	240.00	30	-	-	-	-
			FX085897	240.00	245.00	190	-	-	-	-
			FX085898	245.00	250.00	30	-	-	-	-
			FX085899	250.00	255.00	30	-	-	-	-
			FX085900	255.00	260.00	20	-	-	-	-
			FX085901	260.00	265.00	40	-	-	-	-
			FX085902	265.00	270.00	50	-	-	-	-
			FX085903	270.00	275.00	40	-	-	-	-
			FX085904	275.00	280.00	20	-	-	-	-
			FX085905	280.00	285.00	20	-	-	-	-
			FX085907	285.00	290.00	120	-	-	-	-
			FX085908	290.00	295.00	70	-	-	-	-

FROM	TO	DESCRIPTION	SAMPLE NBR	FROM	TO	Au ppb				
			FX085909	295.00	300.00	20	-	-	-	-
			FX085910	300.00	305.00	20	-	-	-	-
			FX085911	305.00	310.00	40	-	-	-	-
			FX085912	310.00	315.00	40	-	-	-	-
			FX085913	315.00	320.00	230	-	-	-	-
			FX085914	320.00	325.00	20	-	-	-	-
			FX085915	325.00	330.00	20	-	-	-	-
			FX085916	330.00	335.00	20	-	-	-	-
			FX085917	335.00	340.00	20	-	-	-	-
			FX085918	340.00	345.00	20	-	-	-	-
			FX085919	345.00	350.00	30	-	-	-	-
			FX085920	350.00	355.00	30	-	-	-	-
			FX085921	355.00	360.00	20	-	-	-	-
			FX085922	360.00	365.00	20	-	-	-	-
			FX085923	365.00	370.00	20	-	-	-	-
			FX085924	370.00	375.00	20	-	-	-	-
			FX085926	375.00	380.00	20	-	-	-	-
			FX085927	380.00	385.00	30	-	-	-	-
			FX085928	385.00	390.00	150	-	-	-	-
			FX085929	390.00	395.00	20	-	-	-	-
			FX085930	395.00	400.00	40	-	-	-	-
400.00	420.00	METAVOLCANIC								
		Metabasalt, dark gray to black, 1% pyrite.	FX085931	400.00	405.00	70	-	-	-	-
			FX085932	405.00	410.00	110	-	-	-	-
			FX085933	410.00	415.00	20	-	-	-	-
			FX085934	415.00	420.00	20	-	-	-	-
420.00	430.00	METAVOLCANIC								
		Light gray, schistose, 1% pyrite.	FX085935	420.00	425.00	20	-	-	-	-
			FX085936	425.00	430.00	20	-	-	-	-
430.00	460.00	METAVOLCANIC								
		Dark gray, 1% pyrite.	FX085937	430.00	435.00	20	-	-	-	-
		Foot of hole.	FX085938	435.00	440.00	20	-	-	-	-
			FX085939	440.00	445.00	20	-	-	-	-
			FX085940	445.00	450.00	20	-	-	-	-
			FX085941	450.00	455.00	59	-	-	-	-
			FX085942	455.00	460.00	60	-	-	-	-



1989 Drill Holes

FILE

## SKYLINE LABS, INC.

SPECIALISTS IN EXPLORATION GEOCHEMISTRY

12090 WEST 50TH PLACE • WHEAT RIDGE, COLORADO 80033 • TEL.: (303) 424-7718

## REPORT OF ANALYSIS

JOB NO. DBB 672

January 20, 1989

P.O. NO. 103-690

BATCH NO. 1295 PART I

American Copper and Nickel Co., Inc.

Attn: M. Mason

4860 Robb Street

Wheat Ridge, Colorado 80033

## Analysis of 75 Pulps

ITEM	SAMPLE NUMBER	Au (ppb)
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1	FX085126	<20.
2	FX085127	<20.
3	FX085128	<20.
4	FX085129	<20.
5	FX085130	360. - std
6	FX085131	<20.
7	FX085132	<20.
8	FX085133	<20.
9	FX085134	<20.
10	FX085135	<20.
11	FX085136	<20.
12	FX085137	<20.
13	FX085138	<20.
14	FX085139	<20.
15	FX085140	<20.
16	FX085141	50.
17	FX085142	40.
18	FX085143	40.
19	FX085144	300.
20	FX085145	220.
21	FX085146	79.
22	FX085147	30.
23	FX085148	<20.
24	FX085149	<20.
25	FX085150	150.7

79953



1989 Drilling

240 { 309 } 260  
 171 } 280 / 10' - 85-95

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ITEM	SAMPLE NUMBER	Au (ppb)
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26	FX085151	130.
27	FX085152	30. 155/30 - 115-145
28	FX085153	377 430.
29	FX085154	79.
30	FX085155	110.
31	FX085156	70.
32	FX085157	50.
33	FX085158	50.
34	FX085159	30.
35	FX085160	60.
36	FX085161	40.
37	FX085162	120. - 175-180
38	FX085163	60.
39	FX085164	30.
40	FX085165	29.
41	FX085166	70.
42	FX085167	320. - std
43	FX085168	<20.
44	FX085169	<20.
45	FX085170	<20.
46	FX085171	40.
47	FX085172	59.
48	FX085173	50.
49	FX085174	40.
50	FX085175	<20.
51	FX085176	30.
52	FX085177	70.
53	FX085178	30.
54	FX085179	60.
55	FX085180	30.
56	FX085181	<20.
57	FX085182	<20.
58	FX085183	<20.
59	FX085184	<20.
60	FX085185	310. - std

JOB NO. DBB 672  
January 20, 1989  
PAGE 3

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ITEM	SAMPLE NUMBER	Au (ppb)
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61	FX085186	<20.
62	FX085187	<20.
63	FX085188	<20.
64	FX085189	<20.
65	FX085190	<20.

66	FX085191	50.
67	FX085192	30.
68	FX085193	20.
69	FX085194	50.
70	FX085195	29.

71	FX085196	30.
72	FX085197	90.
73	FX085198	<20.
74	FX085199	59.
75	FX085200	<20.

↑  
79953



Gordon H. VanSickle  
Manager

cc: Mel Lahr - Reno, NV

SKYLINE LABS, INC.

SPECIALISTS IN SYNTHESIS AND ANALYSIS

# SKYLINE LABS, INC.

SPECIALISTS IN EXPLORATION GEOCHEMISTRY

12090 WEST 50TH PLACE • WHEAT RIDGE, COLORADO 80033 • TEL.: (303) 424-7718

## REPORT OF ANALYSIS

JOB NO. DBB 673  
January 25, 1989  
P.O. NO. 103-690  
BATCH NO. 1295 PART 2

American Copper and Nickel Co., Inc.  
Attn: M. Mason  
4860 Robb Street  
Wheat Ridge, Colorado 80033

STRAY ELEPHANT

### Analysis of 100 Pulps

ITEM	SAMPLE NUMBER	Au (ppb)
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1	FX085201	(20.	79953
2	FX085202	20.	↓
3	FX085203	(20.	
4	FX085204	20.	
5	FX085205	90.	
6	FX085206	20.	
7	FX085207	20.	
8	FX085208	(20.	
9	FX085209	20.	
10	FX085210	20.	
11	FX085211 <i>std</i>	300. ✓	
12	FX085212	20.	
13	FX085213	20.	
14	FX085214	20.	
15	FX085215	20.	
16	FX085216	130. -	430-435
17	FX085217	(20.	
18	FX085218	30.	
19	FX085219	(20.	
20	FX085220	70.	



JOB NO. DBB 673  
January 25, 1989  
PAGE 3

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ITEM	SAMPLE NUMBER	Au (ppb)
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51	FX085251	<20.
52	FX085252	<20.
53	FX085253	<20.
54	FX085254	<20.
55	FX085255	<20.
56	FX085256	<20.
57	FX085257	<20.
58	FX085258	<20.
59	FX085259	<20.
60	FX085260	<20.
61	FX085261	<20.
62	FX085262	<20.
63	FX085263	<20.
64	FX085264	<20.
65	FX085265 <i>std</i>	320. ✓
66	FX085266	<20.
67	FX085267	<20.
68	FX085268	<20.
69	FX085269	<20.
70	FX085270	<20.
71	FX085271	<20.
72	FX085272	<20.
73	FX085273	<20.
74	FX085274	<20.
75	FX085275	<20.
76	FX085276	<20.
77	FX085277	<20.
78	FX085278	<20.
79	FX085279	<20.
80	FX085280 <i>std</i>	280. ✓


79954  
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ITEM	SAMPLE NUMBER	Au (ppb)
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81	FX085281	<20.
82	FX085282	<20.
83	FX085283	<20.
84	FX085284	<20.
85	FX085285	<20.
86	FX085286	40.
87	FX085287	20.
88	FX085288	<20.
89	FX085289	<20.
90	FX085290	<20.
91	FX085291	<20.
92	FX085292	<20.
93	FX085293	<20.
94	FX085294	20.
95	FX085295	<20.
96	FX085296	<20.
97	FX085297 <i>std</i>	310. ✓
98	FX085298	<20.
99	FX085299	<20.
100	FX085300	<20.

  
Gordon H. VanSickle  
Manager

cc: Mel Lahr, Sparks

# SKYLINE LABS, INC.

SPECIALISTS IN EXPLORATION GEOCHEMISTRY

12090 WEST 50TH PLACE • WHEAT RIDGE, COLORADO 80033 • TEL.: (303) 424-7718

## REPORT OF ANALYSIS

JOB NO. DBB 674

January 26, 1989

P.O. NO. 103-690

BATCH NO. 1295 PART 3

American Copper and Nickel Co., Inc.

Attn: M. Mason

4860 Robb Street

Wheat Ridge, Colorado 80033

### Analysis of 100 Pulps

ITEM	SAMPLE NUMBER	Au (ppb)
1	FX085601	<20.
2	FX085602	<20.
3	FX085603	30.
4	FX085604	20.
5	FX085605	<20.
6	FX085606	<20.
7	FX085607	300. <i>std</i>
8	FX085608	<20.
9	FX085609	<20.
10	FX085610	<20.
11	FX085611	320. <i>std</i>
12	FX085612	<20.
13	FX085613	<20.
14	FX085614	<20.
15	FX085615	<20.
16	FX085616	<20.
17	FX085617	<20.
18	FX085618	<20.
19	FX085619	<20.
20	FX085620	<20.



ITEM	SAMPLE NUMBER	Au (ppb)
21	FX085621	<20.
22	FX085622	<20.
23	FX085623	<20.
24	FX085624	<20.
25	FX085625	<20.
26	FX085626	<20.
27	FX085627	<20.
28	FX085628	<20.
29	FX085629	<20.
30	FX085630	<20.
31	FX085631	<20.
32	FX085632	<20.
33	FX085633	<20.
34	FX085634	<20.
35	FX085635	300. std
36	FX085636	<20.
37	FX085637	<20.
38	FX085638	<20.
39	FX085639	<20.
40	FX085640	<20.
41	FX085641	<20.
42	FX085642	<20.
43	FX085643	<20.
44	FX085644	<20.
45	FX085645	20.
46	FX085646	100.
47	FX085647	50.
48	FX085648	80.
49	FX085649	120.
50	FX085650	400 500.

↑  
79954

79955

ITEM SAMPLE NUMBER Au  
(ppb)

51	FX085651	90.	143/75	45-120	79955
52	FX085652	60.			
53	FX085653	160.			
54	FX085654	274 310.	} 255/10	85-95	↓
55	FX085655	206 200.			
56	FX085656	90.			
57	FX085657	100.			
58	FX085658	60.			
59	FX085659	90.			
60	FX085660	300.	std		
61	FX085661	140.			
62	FX085662	120.			
63	FX085663	206 210.	} 285/n	125-135	
64	FX085664	343 360.			
65	FX085665	110.			
66	FX085666	60.			
67	FX085667	100.		146/45-125-190	
68	FX085668	103 200.			
69	FX085669	160.			
70	FX085670	60.			
71	FX085671	140.			
72	FX085672	80.			
73	FX085673	70.			
74	FX085674	190.			
75	FX085675	160.			
76	FX085676	80.			
77	FX085677	40.			
78	FX085678	80.			
79	FX085679	20.			
80	FX085680	30.			


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ITEM	SAMPLE NUMBER	Au (ppb)
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81	FX085681	210.
82	FX085682	60.
83	FX085683	90.
84	FX085684	60.
85	FX085685	50.
86	FX085686	30.
87	FX085687	40.
88	FX085688	60.
89	FX085689	80.
90	FX085690	240.
91	FX085691	70.
92	FX085692	30.
93	FX085693	170.
94	FX085694	70.
95	FX085695	300. std
96	FX085696	140.
97	FX085697	80.
98	FX085698	50.
99	FX085699	90.
100	FX085700	110.

79955  
120/15 - 215 - 230  
411  
114/35 - 255 - 290

  
Gordon H. VanSickle  
Manager

cc: Mel Lahr, Sparks

## SKYLINE LABS, INC.

SPECIALISTS IN EXPLORATION GEOCHEMISTRY

12090 WEST 50TH PLACE • WHEAT RIDGE, COLORADO 80033 • TEL.: (303) 424-7718

## REPORT OF ANALYSIS

JOB NO. DBB 675  
 January 27, 1989  
 P.O. NO: 103-690  
 BATCH 1295, PART 4

American Copper and Nickel Co., Inc.  
 Attn: M. Mason  
 4860 Robb Street  
 Wheat Ridge, Colorado 80033

## Analysis of 134 Pulps

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ITEM	SAMPLE NUMBER	Au (ppb)
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1	FX085701	140.
2	FX085702	60.
3	FX085703	40.
4	FX085704	50.
5	FX085705	50.
6	FX085706 <i>Secd</i>	40. ✓
7	FX085707	70.
8	FX085708	60.
9	FX085709	100.
10	FX085710	220.
11	FX085711	30.
12	FX085712	30.
13	FX085713	40.
14	FX085714	40.
15	FX085715	40.
16	FX085716	20.
17	FX085717	120.
18	FX085718	70.
19	FX085719	40.
20	FX085720	60.

113/15 - 79955  
 3m-315 ↓

160/10 - 345-355

365 - 390

↑  
 79955

JOB NO. DBB 675  
January 27, 1989  
PAGE 2

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ITEM	SAMPLE NUMBER	Au (ppb)
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21	FX085721	20.
22	FX085722 <i>std</i>	80.✓
23	FX085723	40.
24	FX085724	137 60.
25	FX085725	103 30.

26	FX085726	<20.
27	FX085727	30.
28	FX085728	40.
29	FX085729	50.
30	FX085730	40.

31	FX085731	200. - 450 - 455
32	FX085732	50.
33	FX085733	60.
34	FX085734	30.
35	FX085735	30.

36	FX085736	20.
37	FX085737	<20.
38	FX085738	40.
39	FX085739	20.
40	FX085740	40.

↑  
79955

41	FX085741	<20.
42	FX085742	<20.
43	FX085743	20.
44	FX085744	<20.
45	FX085745	<20.

79956

46	FX085746 <i>std</i>	180.✓
47	FX085747	<20.
48	FX085748	<20.
49	FX085749	<20.
50	FX085750	<20.

JOB NO. DBB 675  
January 27, 1989  
PAGE 3

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ITEM	SAMPLE NUMBER	Au (ppb)
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51	FX085751	<20.
52	FX085752	<20.
53	FX085753	30.
54	FX085754	<20.
55	FX085755	20.
56	FX085756	30.
57	FX085757	20.
58	FX085758	40.
59	FX085759	160. - 85-90
60	FX085760	70.
61	FX085761	60.
62	FX085762	20.
63	FX085763	<20.
64	FX085764	160.
65	FX085765	70.
66	FX085766	130.
67	FX085767	120.
68	FX085768	70.
69	FX085769	100.
70	FX085770	110.
71	FX085771	160.
72	FX085772	40.
73	FX085773	60.
74	FX085774	190.
75	FX085775	50.
76	FX085776	140.
77	FX085777 <i>std</i>	50.
78	FX085778	50.
79	FX085779	80.
80	FX085780	50.

↑  
79956

JOB NO. DBB 675  
January 27, 1989  
PAGE 4

ITEM SAMPLE NUMBER Au  
(ppb)

81	FX085781	50.	79951
82	FX085782	40.	↓
83	FX085783	171 220.7	
84	FX085784	50.	
85	FX085785	120.	120/20 - 200-220
86	FX085786	90.	
87	FX085787	70.	
88	FX085788	60.	
89	FX085789	40.	
90	FX085790	70.	
91	FX085791	30.	
92	FX085792	60.	
93	FX085793	30.	
94	FX085794	80. ✓	
95	FX085795	140.	255-260
96	FX085796	20.	
97	FX085797	30.	
98	FX085798	30.	
99	FX085799	40.	
100	FX085800	40.	
101	FX085801	70.	
102	FX085802	50.	
103	FX085803	50.	
104	FX085804	300.7	
105	FX085805	100.	160/15 - 300 - 315
106	FX085806	80.	
107	FX085807	510. ?	
108	FX085808	40.	
109	FX085809	30.	
110	FX085810	30.	

↑  
79952

JOB NO. DBB 675  
January 27, 1989  
PAGE 5

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ITEM	SAMPLE NUMBER	Au (ppb)
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111	FX085811	50.	79956 ↓
112	FX085812	30.	
113	FX085813	30.	
114	FX085814 <i>std</i>	50.✓	
115	FX085815	80.	
116	FX085816	100.-	350-355
117	FX085817	50.	
118	FX085818	40.	
119	FX085819	50.	
120	FX085820	40.	
121	FX085821	40.	
122	FX085822	30.	
123	FX085823	20.	
124	FX085824	20.	
125	FX085825	30.	
126	FX085826	30.	
127	FX085827	30.	
128	FX085828	20.	
129	FX085829	20.	
130	FX085830	70.	
131	FX085831	<20.	
132	FX085832	<20.	
133	FX085833	<20.	
134	FX085834 <i>std</i>	90.✓	

*Gordon H. VanSickle*  
Gordon H. VanSickle  
Manager



## SKYLINE LABS, INC.

SPECIALISTS IN EXPLORATION GEOCHEMISTRY

12090 WEST 50TH PLACE • WHEAT RIDGE, COLORADO 80033 • TEL: (303) 424-7718

## REPORT OF ANALYSIS

JOB NO. DBB 676  
 January 30, 1989  
 P.O. NO. 103-690  
 BATCH NO. 1296

American Copper and Nickel Co., Inc.  
 Attn: M. Mason  
 4860 Robb Street  
 Wheat Ridge, Colorado 80033

## Analysis of 108 Pulp Samples

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ITEM	SAMPLE NUMBER	Au (ppb)
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1	FX085835	40.
2	FX085836	30.
3	FX085837	60.
4	FX085838	40.
5	FX085839	60.
6	FX085840	30.
7	FX085841	70.
8	FX085842	79.
9	FX085843	170. - 480-485
10	FX085844	29.
11	FX085845	90.
12	FX085846	30.
13	FX085847	<20.
14	FX085848	<20.
15	FX085849	<20.
16	FX085850	110.7
17	FX085851	250.
18	FX085852	30.
19	FX085853	140. 144/35 - 15-50
20	FX085854	270.
21	FX085855	110.
22	FX085856	100. J
23	FX085857	50.
24	FX085858	30.
25	FX085859	30.

79956  
↓

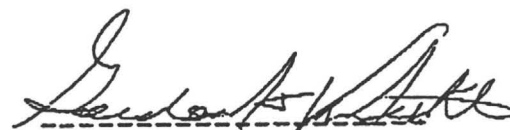
79957

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ITEM	SAMPLE NUMBER	Au (ppb)
<hr/>		
26	FX085860	30.
27	FX085861	<20.
28	FX085862	70.
29	FX085863	60.
30	FX085864	60.
31	FX085865	60.
32	FX085866	89.
33	FX085867	60.
34	FX085868	70. <i>std</i>
35	FX085869	50.
36	FX085870	30.
37	FX085871	<20.
38	FX085872	30.
39	FX085873	40.
40	FX085874	<20.
41	FX085875	40.
42	FX085876	40.
43	FX085877	40.
44	FX085878	40.
45	FX085879	<20.
46	FX085880	30.
47	FX085881	30.
48	FX085882	30.
49	FX085883	<20.
50	FX085884	30.
51	FX085885	30.
52	FX085886	30.
53	FX085887	<20.
54	FX085888	<20.
55	FX085889	<20.
56	FX085890	<20.
57	FX085891	30.
58	FX085892	<20.
59	FX085893	<20.
60	FX085894	<20.

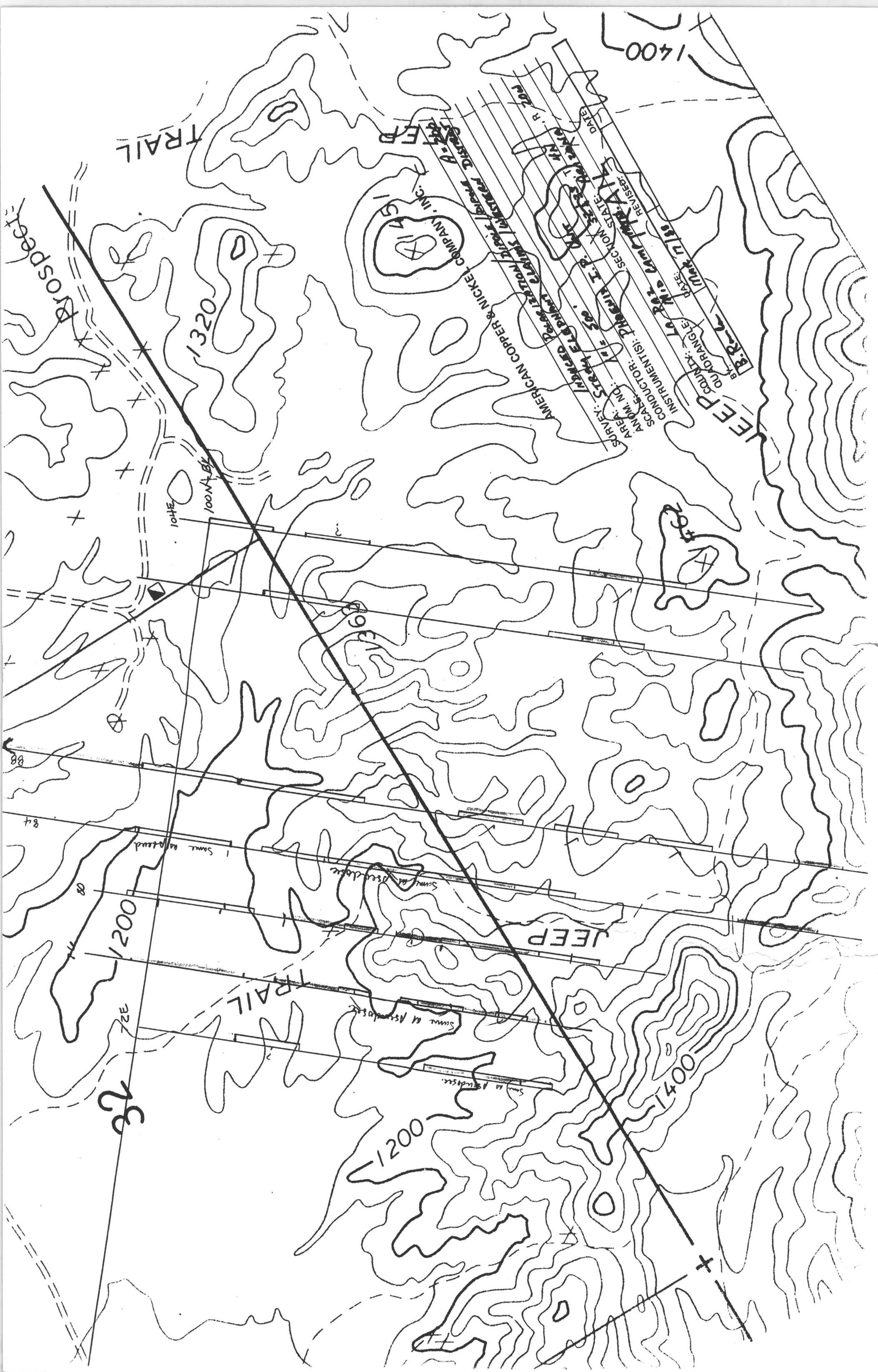
ITEM	SAMPLE NUMBER	Au (ppb)
61	FX085895	100. <i>std</i>
62	FX085896	30.
63	FX085897	190. - 240-245
64	FX085898	30.
65	FX085899	30.
66	FX085900	<20.
67	FX085901	40.
68	FX085902	50.
69	FX085903	40.
70	FX085904	<20.
71	FX085905	<20.
72	FX085906	30. <i>std</i>
73	FX085907	120. - 285-290
74	FX085908	70.
75	FX085909	<20.
76	FX085910	<20.
77	FX085911	40.
78	FX085912	40.
79	FX085913	230. - 315-320
80	FX085914	<20.
81	FX085915	<20.
82	FX085916	<20.
83	FX085917	<20.
84	FX085918	<20.
85	FX085919	30.
86	FX085920	30.
87	FX085921	<20.
88	FX085922	<20.
89	FX085923	<20.
90	FX085924	<20.
91	FX085925	40. <i>std</i>
92	FX085926	<20.
93	FX085927	30.
94	FX085928	150. - 385-390
95	FX085929	<20.

ITEM	SAMPLE NUMBER	Au (ppb)
96	FX085930	40.
97	FX085931	70.
98	FX085932	110.-405-410
99	FX085933	<20.
100	FX085934	<20.
101	FX085935	<20.
102	FX085936	<20.
103	FX085937	<20.
104	FX085938	<20.
105	FX085939	<20.
106	FX085940	<20.
107	FX085941	59.
108	FX085942	60.



Gordon H. VanSickle  
Manager

cc: M. Lahr, Sparks  
J. Lukins, Sparks



SATURDAY

NOVEMBER

S M T W T F S

1 2 3 4 5 6 7  
8 9 10 11 12 13 14  
15 16 17 18 19 20 21  
22 23 24 25 26 27 28  
29 30

NOV. 1987

14

JANUARY

SE. Farm out  
Conformable

Copies of documents  
executed by GEOEX &  
Loghry's and returned (originals)  
to ACNC on 2/8/88

W.B.W.

DAY OF THE YEAR

318 -

DAYS REMAINING

SATURDAY, NOV. 14

- 47



EXPRESS MAIL

HEINRICHS GEOEXPLORATION COMPANY

P. O. BOX 5964, TUCSON, ARIZONA 85703. 806 WEST GRANT ROAD. PHONE: (602) 623-0578

February 8, 1988

American Copper & Nickel Company, Inc.  
USA Regional Headquarters  
4860 Robb Street  
Wheat Ridge, Colorado 80033

Attn: Joy K. Moseley, Senior Landman

Re: Stray Elephant property,  
La Paz County, Arizona  
GEOEX #1425

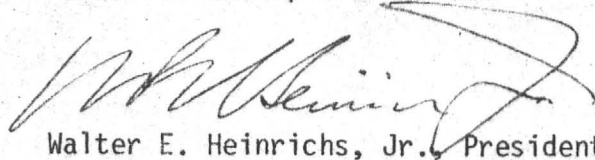
Dear Ms. Moseley:

Enclosed are Exploration Right with Option to Lease and attached Short Form executed and notarized by the Corporation and Mr. & Mrs. Loghry, representing counter parts in their behalf.

Everything is in order except that we call to your attention the omission of SE Claims 57 - 62 under paragraph 23, page 9 and similarly on page B-12, paragraph 25 of the Mining Lease with Option to Purchase. We could have initialed the pages regarding this correction but were uncertain as to how you would handle the matter. As far as we are concerned new pages can be prepared and used to replace the pages in question.

Mining Lease with Option to Purchase is also enclosed.

Sincerely,  
Heinrichs GEOExploration Co.

  
Walter E. Heinrichs, Jr., President

WEH:jh  
Enclosures: as listed.

cc: Loghry  
Lundin  
Hirt

P.S.: Also enclosed are copies of the original notices as recorded in the County and filed with the B.L.M. with the respective book and page numbers and B.L.M. serial numbers.



EXPLORATION RIGHT WITH OPTION TO LEASE  
(Unpatented Claims)

This Agreement, effective as of the 5th day of February, 1988, is between

Heinrichs GEOEXploration Company,  
an Arizona corporation  
810 West Grant Road  
Tucson, Arizona 85705

William C. Hirt,  
a single man  
639 South 500 East  
Salt Lake City, Utah 84102

James D. and Margaret R. Loghry,  
husband and wife  
2121 East Monte Vista Drive  
Tucson, Arizona 85719

Richard J. and Vicki J. Lundin,  
husband and wife  
372 Hackberry Circle  
Prescott, Arizona 86303

(Collectively, the "Owner")

AND

American Copper & Nickel Company, Inc.,  
a Minnesota corporation  
4860 Robb Street, Suite 201  
Wheat Ridge, Colorado 80033

("ACNC")

Recitals

Owner represents that it is the owner of and is in possession of forty two (42) unpatented mining claims in La Paz County, Arizona known as the "Stray Elephant Property" (the "Property"), more particularly described in Exhibit A attached hereto and incorporated by reference herein.

Owner has record title to the Property as stated above and in paragraph 6, entitled "Undivided Interest", and Owner has equitable title to the Property in an informal partnership known as "Stray Elephant Partners."



ACNC desires to obtain and Owner is willing to grant an exclusive exploration right containing an exclusive option to lease the Property.

NOW THEREFORE, in consideration of a total of Twelve Thousand Dollars (\$12,000.00) in hand paid to Owner, the receipt and sufficiency of which are hereby acknowledged, and further in consideration of the mutual covenants, agreements, and promises herein contained, the parties hereto agree as follows:

1. Exploration Right. Owner grants to ACNC the sole and exclusive right to explore, sample, and test the Property.

2. Additional Property. (a) Except for a block of thirty six (36) unpatented mining claims to be leased to Cyprus Metals Company (SE #23-52 and 57-62), Owner represents that it has no interest in any mining property, water rights, or fee lands (except the Property) within one (1) mile from the boundaries of the Property described in Exhibit A. If it appears that Owner has any such interest, the interest shall, at ACNC's option, be deemed a part of the Property for the purposes of this Agreement.

(b) If during the term of this Agreement, Owner locates or otherwise acquires an interest in any mining property, water rights, or fee lands within the area described in the foregoing subparagraph (a), the interest shall, at ACNC's option, be deemed a part of the Property for the purposes of this Agreement. This option shall not apply to properties or rights acquired by Owner through the party or parties leasing the SE #23-52 and 57-62 unpatented mining claims.

3. Term. The term of this Agreement shall be five (5) years from the date hereof, unless sooner surrendered or otherwise terminated, or until the earlier exercise of the option granted by paragraph 18, entitled "Option to Lease."

4. Exclusive Possession. ACNC shall have the exclusive possession of the Property during the term of this Agreement.

5. Title. (a) Owner warrants that it is in possession of the Property, that it has the right to enter into this Agreement, that it knows of no other person claiming any interest in the Property or the ground covered thereby, and that the Property is free from all liens and encumbrances, except liens for property taxes not yet due and payable. Owner further warrants to ACNC the quiet enjoyment of the Property and the right to explore, develop, and mine the same.

(b) Owner represents that when this Agreement has been executed by all five of the individuals and the corporation collectively referred to as "Owner," this Agreement is binding on the "Stray Elephant Partners" and no further approval of any other party is required.

(c) Owner warrants that the unpatented mining claims included in the Property have been properly located, and that for each assessment year assessment work has been performed (or other steps taken in accordance with the law) for the benefit of the claims. Owner warrants and will defend title to the Property against all persons whomsoever.

(d) Owner shall provide ACNC with recording data with respect to location notices and certificates, affidavits of annual labor, deeds, easements, or other documents which bear upon Owner's title to the Property, and shall provide ACNC with copies of all such documents and all title reports and abstracts in Owner's possession or control. Owner shall, upon ACNC's request, record any such document in Owner's possession or control which has not been recorded.

(e) At ACNC's request, Owner shall take all action necessary (including judicial proceedings) to remove any cloud from or cure any defect in his title to the Property or the ground covered thereby. If Owner fails or refuses to take any such action, ACNC may take any such action in Owner's name. Owner agrees to cooperate with ACNC in any such action taken. ACNC may recover from Owner or from any payments thereafter to become due to Owner hereunder all costs and expenses (including attorneys' fees) incurred by ACNC in any such action. If the United States or any third person attacks the validity of any unpatented mining claim included in the Property for any reason except ACNC's failure to comply with its obligation to perform assessment work pursuant to this Agreement, ACNC shall have no obligation to defend the validity of the claim.

6. Undivided Interest. (a) The Property is owned by the following parties as tenants in common:

Heinrichs GEOEXploration Company,  
undivided 25%;

William C. Hirt,  
undivided 25%;

James D. and Margaret R. Loghry,  
undivided 25%; and

Richard J. and Vicki J. Lundin,  
undivided 25%.

(b) If the interest claimed by Owner in any portion of the Property is less than one hundred percent (100%), the interest claimed by Owner is set forth in Exhibit A. Any representation or warranty of title made by Owner shall apply only to the interest set forth in Exhibit A.

7. Option Payments. ACNC shall pay to Owner option payments on the dates and in the amounts as follows:

\$16,000 on the first anniversary of this Agreement  
\$20,000 on the second anniversary of this Agreement  
\$24,000 on the third anniversary of this Agreement  
\$28,000 on the fourth anniversary of this Agreement

These payments shall be in lieu of any obligation on the part of ACNC, express or implied, to explore the Property or perform any work thereon, except assessment work and ACNC's work commitment.

8. Work Commitment in Lieu of Implied Covenants. ACNC agrees to a minimum commitment of Fifty Thousand Dollars (\$50,000.00) in the first year of the Agreement and in each subsequent year during the term of this Agreement. All expenditures made on or for the benefit of the Property shall count toward such minimum work commitment, and expenditures in excess of the minimum amount may be credited against such minimum work commitment in subsequent years. Such work commitment is in lieu of all implied covenants, and there are no covenants or conditions relating to the exploration, development, mining, or related operations on or in connection with the Property, or the timing thereof, other than those expressly provided in this Agreement, and none shall be implied. After commencing any mining or related operations on or in connection with the Property, ACNC may in its sole discretion curtail or cease such operations so long as it continues to make any payments due Owner under this Agreement.

9. Payments. All payments made to Owner shall be made to the parties identified in paragraph 6, entitled "Undivided Interest," in proportion to the parties' undivided interest in the Property. ACNC shall make all payments due Owner hereunder by check, which shall be transmitted to Heinrichs GEOEXploration Company at its address for notice. Upon making such payments, ACNC shall be deemed to have made the payments to Owner, its heirs, representatives, successors, and assigns, and thereupon ACNC shall be discharged to the extent thereof as if the payments had been made directly to each individual Owner, or to any person, firm or corporation entitled thereto, and ACNC shall



not be liable for the ultimate distribution or receipt of any payment or payments.

10. Operations. (a) During the term of this Agreement, ACNC shall have free and unrestricted access to the Property, and shall have the exclusive right (i) to explore, sample, and test the Property, (ii) to erect, construct, use, and maintain on the Property such roads, buildings, structures, machinery, equipment, personal property, fixtures, and improvements as may be required for the conduct of its exploration and related operations, and (iii) to extract and remove from the Property, without royalty or other compensation to Owner, such ore as may be mined in the normal course of exploration operations and such ore as ACNC may require for bulk sampling and testing. ACNC shall not conduct commercial mining operations on the Property or sell any ores, minerals, concentrates, or other products from the Property prior to exercising the option granted by paragraph 18, entitled "Option to Lease."

(b) ACNC shall conduct all of its operations on the Property in good and workmanlike manner and in accordance with accepted mining practice.

(c) All decisions with respect to exploration of the Property, including all decisions regarding the commencement, supervision, resumption or termination of any operation, shall be made by ACNC in its sole discretion. There are no covenants or agreements regarding this matter other than those expressly set forth herein.

(d) ACNC shall comply with all laws and regulations governing its operations on the Property. If this Agreement is inconsistent with or contrary to any law or regulation, the law or regulation shall control and this Agreement shall be deemed to be modified accordingly.

11. No Implied Covenants. There are no implied covenants or conditions whatsoever in this Agreement relating to the evaluation of the Property, or the time thereof except as expressly provided in this Agreement.

12. Protection from Liens and Damages. ACNC shall keep the Property free of liens for labor performed or materials or merchandise furnished for use on the Property under this Agreement, and shall hold Owner harmless from all costs, loss, or damage which may result from any work or operations of ACNC or its occupancy of the Property.

13. Taxes. Owner shall pay all taxes levied against the Property prior to the date of this Agreement. ACNC shall pay or

reimburse Owner for all taxes levied against the Property during the term of this Agreement. In the case of taxes for the calendar year in which this Agreement commences, and for the calendar year in which this Agreement ends, there shall be an apportionment between the parties, ACNC to bear the proportion of taxes upon the Property applicable to the part of the calendar year included hereunder, and Owner to bear the balance of the taxes. ACNC shall pay all taxes levied during the term of this Agreement against all buildings, structures, machinery, equipment, personal property, fixtures, and improvements placed upon the Property by ACNC, and all taxes levied against ACNC as an employer of labor. All taxes shall be paid when due and before delinquent, but ACNC shall be under no obligation to pay any tax so long as the tax is being contested in good faith and by appropriate legal proceedings and the nonpayment thereof does not adversely affect any right, title, or interest of Owner in or to the Property.

14. Insurance. ACNC shall carry at all times during the term of this Agreement worker's compensation and other insurance required by state laws and mining regulations.

15. Inspection. (a) Owner or its authorized representative may enter on the Property at any reasonable time for the purpose of inspection, but shall enter at Owner's own risk and so as not to hinder unreasonably the operations of ACNC. Owner shall indemnify and hold ACNC harmless from any damage, claim, or demand by reason of injury to or the presence of Owner, his agents or representatives on the Property.

(b) Owner or its authorized representative may, at any reasonable time, inspect any records pertinent and necessary for substantiating the compliance of ACNC with the provisions of this Agreement.

16. Data. (a) Upon the execution of this Agreement, Owner shall deliver to ACNC all drill core, all geological, geophysical, and engineering data and maps, logs of drill holes, results of assaying and sampling, and similar data concerning the Property (or copies thereof) which are in Owner's possession or control.

(b) Upon the surrender or other termination of this Agreement (except by exercise of the option to purchase and payment of the full purchase price as provided in paragraph 18, entitled "Option to Lease"), ACNC shall, within sixty (60) days after termination, (i) return to Owner all drill core and original data delivered by Owner to ACNC which are then in ACNC's possession or control, and (ii) make available for inspection by Owner all factual geological and geophysical data and maps (not

including interpretive data), logs of drill holes, drill core and results of assaying and sampling pertaining to the Property which ACNC has obtained as a result of its exploration work under this Agreement and which are then in ACNC's possession or control. Upon Owner's request made within sixty (60) days after termination of this Agreement, ACNC shall, at Owner's expense, provide Owner with the drill core designated by Owner and with copies of any portion of the factual geological and geophysical data and maps (not including interpretive data), logs of drill holes, and results of assaying and sampling designated by Owner. ACNC makes no representation or warranty as to the accuracy or completeness of any such data or information, and shall not be liable on account of any use by Owner or any other person of any such data or information. ACNC shall not be liable for the loss or destruction of any drill core.

17. Confidentiality. All information obtained by Owner or its authorized representatives from ACNC arising out of ACNC's activities on the Property pursuant to this Agreement shall be kept strictly confidential by Owner and shall not be released to any third party except upon the prior written consent of ACNC.

18. Option to Lease. Owner grants to ACNC during the term of this Agreement the sole and exclusive option to lease the Property, together with all appurtenances and water rights incident thereto and all improvements and personal property thereon, free and clear of all liens and encumbrances, by delivering to Owner an advance royalty payment of Sixty Thousand Dollars (\$60,000.00). If ACNC exercises its option to lease, Owner agrees to execute and deliver to ACNC the Mining Lease With Option To Purchase attached hereto as Exhibit "B" within thirty (30) days after ACNC gives notice that it elects to exercise the option to lease.

19. Escrow. Any time after the execution of this Agreement, if requested to do so by ACNC Owner shall execute, acknowledge, and deliver to an escrow agent selected by ACNC (the Escrow Agent) the Mining Lease With Option To Purchase attached hereto as Exhibit "B." Owner agrees the escrow agent shall hold the lease and deliver it to ACNC when entitled hereunder to receive the same. The parties hereto agree to execute escrow instructions reasonably requested by Escrow Agent.

20. Termination and Surrender. (a) If ACNC fails to comply with any of the provisions of this Agreement and if ACNC does not initiate and diligently pursue steps to correct the default within thirty (30) days after notice has been given to it by Owner specifying with particularity the nature of the default, then upon the expiration of the thirty-day period, all



rights of ACNC under this Agreement (except as provided in paragraphs 21 and 22, entitled "Removal of Property" and "Access") shall terminate, and all liabilities and obligations of ACNC (except liabilities existing on the date of termination, and except as provided in paragraph 16, entitled "Data") shall terminate. Any default claimed with respect to the payment of money may be cured by the deposit in escrow of the amount in controversy (not including claimed consequential, special, exemplary, or punitive damages) and giving of notice of the deposit to Owner, the amount to remain in escrow until the controversy is resolved by decision of a court or otherwise. If ACNC by notice to Owner disputes the existence of a default, then this Agreement shall not terminate hereunder unless ACNC does not initiate and diligently pursue steps to correct the default within thirty (30) days after the existence of a default has been determined by decision of a court or otherwise.

(b) Subject to the right of Owner to terminate this Agreement as provided in the foregoing subparagraph (a), controversy between the parties hereto shall not interrupt performance of this Agreement or the continuation of operations hereunder. In the event of any controversy, ACNC may continue operations hereunder and shall make the payments provided for herein notwithstanding the existence of the controversy. Upon the resolution of the controversy, such payments or restitutions shall be made as required by the terms of the decision of the court or otherwise.

(c) ACNC may at any time terminate this Agreement as to all or any part of the Property by delivering to Owner or by filing for record in the appropriate office (with a copy to Owner) a good and sufficient Surrender of this Agreement or a Partial Surrender describing that portion of the Property as to which this Agreement is surrendered. Upon mailing the Surrender or Partial Surrender to Owner or to the appropriate office, all rights of ACNC under this Agreement with respect to the portion of the Property as to which this Agreement is terminated (except as provided in paragraphs 21 and 22, entitled "Removal of Property" and "Access") shall terminate and all liabilities and obligations of ACNC with respect to the portion of the Property as to which this Agreement is terminated (except liabilities existing on the date of termination, and except as provided in paragraph 16, entitled "Data") shall terminate.

21. Removal of Property. For a period of six (6) months after the termination of this Agreement ACNC shall have the right (but not the obligation) to remove from the Property all buildings, structures, machinery, equipment, personal property, fixtures, and improvements owned by ACNC or erected or placed on or in the Property by ACNC, except mine timbers in place. ACNC

may keep one or more watchmen on the Property during the six-month period.

22. Access. For as long as necessary after termination of this Agreement, ACNC shall have the right of access to and across the Property for reclamation purposes.

23. Easements. If requested by ACNC during the term of this Agreement, Owner, subject to any required permission or allowed restrictions of the party or parties leasing the SE #23-52 unpatented mining claims, shall execute one or more instruments granting to ACNC without cost to ACNC easements upon, over, or through the Property or upon, over, or through other property owned by Owner. Such easements shall be for the construction, maintenance, use, and removal of all facilities reasonably necessary or convenient for ACNC's operations on the Property or on other property.

24. Amendments, Relocations, and Patents. During the term of this Agreement, ACNC shall have the right (but not the obligation) to amend or relocate, in the name of Owner, any or all of the unpatented mining claims included in the Property, to locate placer claims on ground theretofore covered by lode claims and vice versa, to locate mill sites on ground theretofore covered by mining claims and vice versa, and to locate any fractions resulting from the location, amendment, or relocation of mining claims or mill sites. At the request of ACNC, Owner shall apply for a patent for any or all of the unpatented mining claims and mill sites. All expenses authorized by ACNC in connection with locating, amending, or relocating mining claims or mill sites or prosecuting patent proceedings shall be borne by ACNC. The rights of ACNC under this Agreement shall extend to all such locations, amended locations, relocations, and patented mining claims and mill sites.

25. Compliance with Federal Land Policy and Management Act. (a) Owner warrants that the location notices or location certificates for the unpatented mining claims included in the Property have been properly filed in the proper office of the Bureau of Land Management pursuant to 43 U.S.C. § 1744(b).

(b) Owner warrants that evidence of assessment work or notices of intention to hold have been properly recorded in the proper county (or recording district) office and filed in the proper office of the Bureau of Land Management pursuant to § 314(a) of the Federal Land Policy and Management Act of 1976, 43 U.S.C. § 1744(a), as required, for each assessment year to and including the assessment year ending September 1, 1987.



26. Assessment Work. (a) Owner warrants that the annual assessment work required to hold the Property has been performed for the assessment year ending September 1, 1987. ACNC shall perform the assessment work for the benefit of the Property for the assessment year ending September 1, 1988, and for every assessment year thereafter in which ACNC continues this Agreement beyond the 1st day of June of the assessment year. If any court or governmental agency decides that the work performed by ACNC does not constitute the kind of work required by federal or state law, ACNC shall nevertheless be deemed to have complied with the terms of this Agreement if the work done by ACNC is of the kind generally accepted in the mining industry as assessment work under existing law.

(b) ACNC shall be relieved of its obligation to perform assessment work for any period in which assessment work is not required or is suspended, and ACNC shall have the benefit of subsequent laws enacted which relate to assessment work, including any laws extending the time within which to perform assessment work. For each year in which ACNC performs assessment work, it will record in the office where the location notice or location certificate is recorded, and in any other proper office in the county (or recording district) in which the claims are located, and in the proper office of the Bureau of Land Management, an affidavit of assessment work or other document complying with the requirements of state law and the Federal Land Policy and Management Act of 1976 and the regulations implementing and supplementing the Act.

(c) Owner represents that the Property is one contiguous group of mining claims, and agree that work on any one or more of the claims will be for the benefit of all of the claims.

27. Notices. All notices and other communications to either party shall be in writing and shall be sufficiently given if delivered in person or sent by certified or registered mail, return receipt requested, addressed as hereinafter set forth. Any notice given by or to Heinrichs GEOExploration Company shall be notice by or to all Owners. Notices given by mail shall be deemed delivered as of the date of mailing. Until a change of address is communicated as indicated above, all notices to Owner shall be addressed:

Heinrichs GEOEXploration Company  
P. O. Box 5964  
Tucson, Arizona 85703-0964

Attention: Walter E. Heinrichs

and all notices to ACNC shall be addressed:

American Copper & Nickel Company, Inc.  
4860 Robb Street, Suite 201  
Wheat Ridge, Colorado 80033

Attention: R. T. Agar, President

28. Assignment. (a) The rights of either party hereunder may be assigned in whole or in part, subject to the provisions hereinafter set forth.

(b) No change or division in the ownership of the Property or the payments provided for herein, however accomplished, shall enlarge the obligations or diminish the rights of ACNC. Owner covenants that any change in his ownership shall be accomplished in such a manner that ACNC shall be required to make payments and to give notices to but one person, firm, or corporation, and upon breach of this covenant, ACNC may retain all monies otherwise due to Owner until the breach has been cured. No change or division in ownership shall be binding on ACNC until thirty (30) days after Owner has given ACNC a certified copy of the recorded instrument evidencing the change or division.

29. Force Majeure. (a) If ACNC shall be prevented by Force Majeure from timely performance of any of its obligations hereunder (except the payment of money to Owner), the failure of performance shall be excused and the period for performance and the term of this Agreement shall be extended for an additional period equal to the duration of the Force Majeure. Upon the occurrence and upon the termination of any Force Majeure, ACNC shall promptly notify Owner. ACNC shall use reasonable diligence to remedy a Force Majeure, but shall not be required against its better judgment to settle any labor dispute or contest the validity of any law or regulation or any action or inaction of civil or military authority.

(b) "Force Majeure" means any cause beyond ACNC's reasonable control, including law or regulation; action or inaction of civil or military authority; inability to obtain any license, permit, or other authorization that may be required to conduct operations on or in connection with the Property; unusually severe weather; mining casualty; fire; explosion; flood; insurrection; riot; labor dispute; inability after diligent effort to obtain workmen or material; delay in transportation; and acts of God.

30. Short Form. Contemporaneously herewith, ACNC and Owner have executed and delivered a Short Form of Agreement. ACNC may record the Short Form of this Agreement.

31. Inurement. All covenants, conditions, limitations, and provisions herein contained apply to and are binding upon the parties hereto, their heirs, representatives, successors, and assigns.

32. Modification. No modification, variation, or amendment of this Agreement shall be effective unless the modification, variation, or amendment is in writing and is signed by Owner and ACNC.

33. Waiver. No waiver of any breach or default under this Agreement shall be effective unless the waiver is in writing and signed by the party against whom the waiver is claimed. No waiver of any breach or default shall be deemed to be a waiver of any other or subsequent breach or default.

34. Construction. (a) The paragraph headings are for convenience only, and shall not be used in the construction of this Agreement. The term "Owner" shall be deemed to be singular or plural, and shall be deemed to be masculine or feminine, or both, or neuter, whenever the construction of this Agreement so requires.

(b) As to any provision of this Agreement, the parties do not intend that there shall be any violation of the Rule Against Perpetuities or any similar rule. If any such violation should inadvertently occur, it is the wish of the parties that the appropriate court shall reform such provision in such a way as to approximate most closely the intent of the parties within the limits permissible under the Rule Against Perpetuities or similar rule.

35. Governing Law. The formation, interpretation, and performance of this Agreement shall be governed by the law of the state of Arizona.

36. Invalidity. The invalidity of any provision of this Agreement shall not affect the enforceability of any other provision of this Agreement.

37. Counterparts. This Agreement may be executed by any number of counterparts, each of which shall be deemed to be an original. If any person named as one of the Owners does not execute this Agreement, it nevertheless shall be binding upon those persons executing it.

38. Additional Documents. Owner will provide ACNC with such additional documents as may be necessary to carry out the



purposes of this Agreement. If conditions change by reason of conveyances, assignments, or other matters relating to the title to or description of the Property, Owner and ACNC shall execute amendments of this Agreement and the Short Form of Agreement, and any other documents which may be necessary to reflect such changed conditions.

39. Entire Agreement. This Agreement sets forth the entire agreement of the parties and, except as herein expressly provided, supersedes all previous and contemporaneous agreements, representations, warranties, or understandings, written or oral.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the date first above written.

Heinrichs GEOEXploration Company

By: Walter E. Heinrichs  
Walter E. Heinrichs,  
President

[SEAL]

Attest: M. Jean Heinrichs  
Secretary

EIN: 86-0141-923

William C. Hirt  
SSN: \_\_\_\_\_

James D. Loghry  
James D. Loghry  
SSN: 120-26-7975

Margaret R. Loghry  
Margaret R. Loghry  
SSN: 115-30-8245

Richard J. Lundin

SSN: \_\_\_\_\_

Vicki J. Lundin

SSN: \_\_\_\_\_

AMERICAN COPPER & NICKEL COMPANY,  
INC.

By: \_\_\_\_\_

R. T. Agar, President

Director of Exploration--USA

STATE OF Arizona )

County of Pima ) ss:

The foregoing instrument was acknowledged before me this  
8 day of February, 1988, by Walter E. Heinrichs, the President  
of Heinrichs GEOEXploration Company, an Arizona corporation,  
on behalf of the corporation.

\_\_\_\_\_  
Notary Public

My Commission Expires:

My Commission Expires May 31, 1991

[SEAL]

STATE OF \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss:

The foregoing instrument was acknowledged before me this  
\_\_\_\_ day of February, 1988, by William C. Hirt, a single man.

\_\_\_\_\_  
Notary Public

My Commission Expires:

\_\_\_\_\_

[SEAL]

STATE OF Arizona )  
County of Pima ) ss:

The foregoing instrument was acknowledged before me this  
14 day of February, 1988, by James D. Loghry and Margaret R.  
Loghry, husband and wife.

Paulie Bryan  
Notary Public

My Commission Expires:

8-19-88

[SEAL]

STATE OF \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss:

The foregoing instrument was acknowledged before me this  
\_\_\_\_ day of February, 1988, by Richard J. Lundin and Vicki J.  
Lundin, husband and wife.

\_\_\_\_\_  
Notary Public

My Commission Expires:  
\_\_\_\_\_

[SEAL]

STATE OF COLORADO )  
County of Jefferson ) ss:

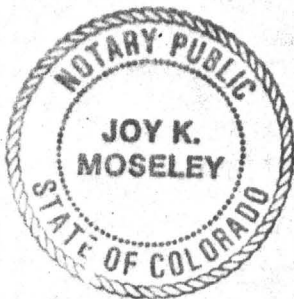
The foregoing instrument was acknowledged before me this  
5th day of February, 1988, by R. T. Agar, the President of  
American Copper & Nickel Company, Inc., a Minnesota corporation,  
on behalf of the corporation.

Joy K. Moseley  
Notary Public

My Commission Expires:

My Commission Expires May 24, 1988

[SEAL]



# EXHIBIT A

## PROPERTY

All those certain unpatented mining claims situate in Section 32, Township 4 North, Range 20 West, and Section 5, Township 3 North, Range 20 West, La Paz County, Arizona, and recorded in the county records at the book and page shown, and with the Bureau of Land Management under the serial number shown, as follows:

<u>Name of Claim</u>	<u>Book</u>	<u>Page</u>	<u>B.L.M. Serial No.</u>
SE #1	1168	643-44	AMC105414
SE #2	1168	645-46	AMC105415
SE #3	1168	647-48	AMC105416
SE #4	1168	649-50	AMC105417
SE #5	1168	651-52	AMC105418
SE #6	1168	653-54	AMC105419
SE #7	1168	655-56	AMC105420
SE #8	1168	657-58	AMC105421
SE #9	1168	659-60	AMC105422
SE #10	1168	661-62	AMC105423
SE #11	1168	663-64	AMC105424
SE #12	1168	665-66	AMC105425
SE #13	1168	667-68	AMC105426
SE #14	1168	669-70	AMC105427
SE #15	1168	671-72	AMC105428
SE #16	1168	673-74	AMC105429
SE #17	1168	675-76	AMC105430
SE #18	1168	677-78	AMC105431
SE #19	1168	679-80	AMC105432
SE #20	1168	681-82	AMC105433
SE #21	1168	683-84	AMC105434
SE #22	1168	685-86	AMC105435
SE #101	1303	729-30	AMC186704
SE #102	1303	731-32	AMC186705
SE #103	1303	733-34	AMC186706
SE #104	1303	735-36	AMC186707
SE #105	1303	737-38	AMC186708
SE #106	1303	739-40	AMC186709
SE #107	1303	741-42	AMC186710
SE #108	1303	743-44	AMC186711
SE #109	1303	745-46	AMC186712
SE #110	1303	747-48	AMC186713
SE #111	1303	749-50	AMC186714



SE #112	1303	751-52	AMC186715
SE #113	1303	753-54	AMC186716
SE #114	1303	755-56	AMC186717
SE #115	1303	757-58	AMC186718
SE #116	1303	759-60	AMC186719
SE #117	1303	761-62	AMC186720
SE #118	1303	763-64	AMC186721
SE #119	1303	765-67	AMC186722
SE #120	1303	768-70	AMC186723

Together with all extralateral rights, water rights, and appurtenances.

SHORT FORM  
OF  
EXPLORATION RIGHT WITH OPTION TO LEASE  
(Unpatented Claims)

This Agreement, effective as of the 5th day of February, 1988, is between

Heinrichs GEOEXploration Company,  
an Arizona corporation  
810 West Grant Road  
Tucson, Arizona 85705

William C. Hirt,  
a single man  
639 South 500 East  
Salt Lake City, Utah 84102

James D. and Margaret R. Loghry,  
husband and wife  
2121 East Monte Vista Drive  
Tucson, Arizona 85719

Richard J. and Vicki J. Lundin,  
husband and wife  
372 Hackberry Circle  
Prescott, Arizona 86303

(Collectively, the "Owner")

AND

American Copper & Nickel Company, Inc.,  
a Minnesota corporation  
4860 Robb Street, Suite 201  
Wheat Ridge, Colorado 80033

("ACNC")

Recitals

Owner represents that it is the owner of and is in possession of forty two (42) unpatented mining claims in La Paz County, Arizona known as the "Stray Elephant Property" (the "Property"), more particularly described in Exhibit A attached hereto and incorporated by reference herein.

ACNC desires to obtain and Owner is willing to grant an exclusive exploration right containing an exclusive option to lease and an exclusive option to purchase the Property.

NOW THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration in hand paid to Owner, the receipt and sufficiency of which are hereby acknowledged, and further in consideration of the mutual covenants, agreements, and promises herein contained, the parties hereto agree as follows:

Exploration Right. Owner grants to ACNC the sole and exclusive right to explore, sample, and test the Property.

Additional Property. (a) Except for a block of thirty six (36) unpatented mining claims which may be leased to a third party (SE #23-52 and 57-62), Owner represents that it has no interest in any mining property, water rights, or fee lands (except the Property) within one (1) mile from the boundaries of the Property described in Exhibit A. If it appears that Owner has any such interest, the interest shall, at ACNC's option, be deemed a part of the Property for the purposes of this Agreement.

(b) If during the term of this Agreement, Owner locates or otherwise acquires an interest in any mining property, water rights, or fee lands within the area described in the foregoing subparagraph (a), the interest shall, at ACNC's option, be deemed a part of the Property for the purposes of this Agreement. This option shall not apply to properties or rights acquired by Owner through the party or parties leasing the SE #23-52 and 57-62 unpatented mining claims.

Term. The term of this Agreement shall be five (5) years from the date hereof, unless sooner surrendered or otherwise terminated, or until the earlier exercise of the option.

Exclusive Possession. ACNC shall have the exclusive possession of the Property during the term of this Agreement.

Additional Terms. Additional terms and conditions of this Agreement are contained in an instrument of even date by and between the parties hereto. This Short Form shall not limit, decrease, increase, or in any manner affect any of the terms of said instrument or any rights, interests, or obligations of the parties thereunder.

Heinrichs GEOEXploration Company

By: Walter E. Heinrichs  
Walter E. Heinrichs,  
President

[SEAL]

Attest: M. Jean Heinrichs  
Secretary

EIN: 86-6141-923

William C. Hirt  
SSN: \_\_\_\_\_

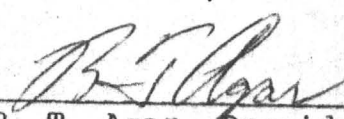
James D. Loghry  
James D. Loghry  
SSN: 120-26-7076

Margaret R. Loghry  
Margaret R. Loghry  
SSN: 115-30-8245

Richard J. Lundin  
SSN: \_\_\_\_\_

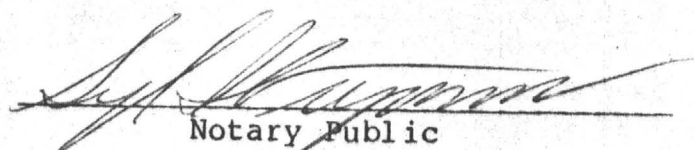
Vicki J. Lundin  
SSN: \_\_\_\_\_

AMERICAN COPPER & NICKEL COMPANY,  
INC.

By:   
R. T. Agar, President  
Director of Exploration--USA

STATE OF Arizona )  
County of Pima ) ss:

8 The foregoing instrument was acknowledged before me this  
day of February, 1988, by Walter E. Heinrichs, the President  
of Heinrichs GEOEXploration Company, an Arizona corporation,  
on behalf of the corporation.

  
Notary Public

My Commission Expires:  
My Commission Expires May 31, 1991

[SEAL]

STATE OF \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss:

\_\_\_\_\_ The foregoing instrument was acknowledged before me this  
day of February, 1988, by William C. Hirt, a single man.

\_\_\_\_\_  
Notary Public

My Commission Expires:  
\_\_\_\_\_

[SEAL]



STATE OF Arizona )  
County of Pima ) ss:

The foregoing instrument was acknowledged before me this  
6 day of February, 1988, by James D. Loghry and Margaret R.  
Loghry, husband and wife.

Paulie Brya  
Notary Public

My Commission Expires:

8/29/88

[SEAL]

STATE OF \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss:

The foregoing instrument was acknowledged before me this  
\_\_\_\_ day of February, 1988, by Richard J. Lundin and Vicki J.  
Lundin, husband and wife.

\_\_\_\_\_  
Notary Public

My Commission Expires:

\_\_\_\_\_

[SEAL]

STATE OF COLORADO

County of Jefferson

)  
) ss:  
)

The foregoing instrument was acknowledged before me this 5th day of February, 1988, by R. T. Agar, the President of American Copper & Nickel Company, Inc., a Minnesota corporation, on behalf of the corporation.

Joy K. Moseley  
Notary Public

My Commission Expires:

My Commission Expires May 24, 1988

[SEAL]



# EXHIBIT A

## PROPERTY

All those certain unpatented mining claims situate in Section 32, Township 4 North, Range 20 West, and Section 5, Township 3 North, Range 20 West, La Paz County, Arizona, and recorded in the county records at the book and page shown, and with the Bureau of Land Management under the serial number shown, as follows:

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SE #3	1168	647-48	AMC105416
SE #4	1168	649-50	AMC105417
SE #5	1168	651-52	AMC105418
SE #6	1168	653-54	AMC105419
SE #7	1168	655-56	AMC105420
SE #8	1168	657-58	AMC105421
SE #9	1168	659-60	AMC105422
SE #10	1168	661-62	AMC105423
SE #11	1168	663-64	AMC105424
SE #12	1168	665-66	AMC105425
SE #13	1168	667-68	AMC105426
SE #14	1168	669-70	AMC105427
SE #15	1168	671-72	AMC105428
SE #16	1168	673-74	AMC105429
SE #17	1168	675-76	AMC105430
SE #18	1168	677-78	AMC105431
SE #19	1168	679-80	AMC105432
SE #20	1168	681-82	AMC105433
SE #21	1168	683-84	AMC105434
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SE #102	1303	731-32	AMC186705
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SE #104	1303	735-36	AMC186707
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SE #109	1303	745-46	AMC186712
SE #110	1303	747-48	AMC186713
SE #111	1303	749-50	AMC186714



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SE #113  
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AMC186717  
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AMC186721  
AMC186722  
AMC186723

Together with all extralateral rights, water rights, and appurtenances.