

019312

KERR ADDISON MINES LIMITED

(FOR INTER-OFFICE USE ONLY)

MAY 31 1974

To G.M.Hogg

From W.M.Sirola

Subject AEX SYNDICATE - VANGORDA DIAMOND DRILLING

Date May 29, 1974

4.9  
7

|        |   |
|--------|---|
| W.J.   | ✓ |
| D.M.H. | ✓ |
| G.M.H. | ✓ |
| M.D.R. | ✓ |
| I.D.B. | ✓ |
| S.S.   | ✓ |
| G.R.   | ✓ |
| T.W.B. | ✓ |
| E.C.J. |   |

Enclosed please find copies of logs for drill holes A-6 to A-9.

We do not as yet have assays from drill hole A-10 but we understand that at 612 feet the hole was still in heavy sulphides and it begins to look as though there will be a 100 foot thick mineralization zone of which 50% or more might be ore grade.

The second drill would normally be available now but because of the strike at the Anvil Property the drill crews are unwilling to cross the picket lines and the drill just sits there.

I am very optimistic about the possibilities of minable tonnage in this zone and am even optimistic about the possibilities of other zones in that area. At present I suspect a certain amount of fault control but it will be some time before this thinking can be verified.

We are not yet certain as to why the magnetic anomalies have a northerly trend as compared with the north westerly trend of the mineralization but suspect that the northerly trend may result from small amounts of magnetite concentrated in northerly trending fold axes. Most of this magnetite would be in the graphitic phyllite rather than in the sericite phyllite. Magnetite does not show up in any of the AEX logs but we demonstrated to Stan Reamsbottom that the presence of magnetite can be detected by crushing pieces of graphite phyllite and spreading the crushed sample on a sheet of paper and running a magnet underneath the paper. Since we are talking in terms of hundreds of millions of tons of graphitic schist, only a very small amount of magnetite is required to produce a detectable mass effect.

*W.M.Sirola*

W.M.Sirola

Mineralized zone in A-10  
WMS/gm starts at 508.0'

- 508-520 weak sulphides
- 520-570 Massive sulphides ← ore?
- 570-612 drilling, mineralization

MAY 21 1974

KERR ADJISON MINES LIMITED

(FOR INTER-OFFICE USE ONLY)

|   |        |
|---|--------|
| ✓ | W.J.   |
| ✓ | D.M.H. |
| ✓ | G.M.H. |
| ✓ | M.D.R. |
| ✓ | I.D.B. |
| ✓ | J.B.S. |
|   | G.R.   |
|   | T.W.B. |
|   | E.C.I. |

To Mr. Glen Hogg

From Mr. W.M. Sirola

Subject AEX DRILLING - VANGORDA PROPERTY, V.T.

Date May 16, 1974

76W 200N

Herewith a copy of Stan Reamsbottom's log for drill hole A-5 together with a corresponding assay certificate.

This drill hole intersected sixty feet averaging 0.02 AU, 2.70 AG, 5.29 PB, 11.42 ZN, and 0.20 CU. This is a very impressive intersection and I have suggested to Dr. Aho that he use one diamond drill for drilling a grid pattern to delineate this mineralization zone and use the other machine for such exploratory work as he may deem advisable. Accordingly, the next drill hole will be at 76W+7N.

The drill hole appears to have terminated at 592 feet and might well have intersected additional mineralization had it been possible to continue to greater depth. I have suggested to Aaro that he talk with Murray Smith regarding drilling difficulties and stress the need of careful drilling rather than speed.

*Bee*

W.M. Sirola

WMS/gm

This is an excellent intersection in the vicinity of A.4 (ore hole located last year). Drilling northward will be critical of course, but possibilities are very good.

*MA*

May 21/74.

DATE. MAY 8, 1974.

FILE NO. 8138-19

# ASSAY CERTIFICATE

WHITEHORSE ASSAY OFFICE LTD.  
BOX 4518 WHITEHORSE Y.T.

PHONE 667 2694

SAMPLE RECEIVED FROM

AEX MINERALS CORPORATION

A-5

| SAMPLE NO. |      | GOLD<br>Oz. Per Ton | SILVER<br>Oz. Per Ton | LEAD | ZINC | COPPER | Footage     |   |
|------------|------|---------------------|-----------------------|------|------|--------|-------------|---|
|            | L    |                     |                       |      |      |        |             |   |
| 740001     | 6    | .01                 | 3.84                  | 10.6 | 9.62 | .20    | 420-426     | - 6' of ore                                   |
| 740002     | 4.5  | TR                  | .12                   | .68  | 1.80 | .04    | 508-512     | } 18.5' - NOT ORE                             |
| 740003     | 4.5  | TR                  | .08                   | .15  | .38  | .02    | 517.0       |   |
| 740004     | 4.5  | TR                  | .04                   | .25  | .24  | .06    | 521.5       |   |
| 740005     | 5.0  | .01                 | .36                   | 1.03 | 1.44 | .07    | 526.5       |   |
| 740006     | 2.0  | .01                 | 3.32                  | 6.5  | 21.5 | .25    | 530.5       |   |
| 740007     | 6.5  | .01                 | 1.72                  | 4.7  | 22.9 | .16    | 537.0       | }   |
| 740008     | 5.5  | .02                 | 5.14                  | 9.2  | 15.5 | .32    | 542.5       |   |
| 740009     | 2.0  | .01                 | .28                   | .38  | .38  | .06    | 542.5-544.5 | } 60' -<br>0.02", 2.70", 5.29", 11.42", 0.20" |
| 740010     | 1.8  | .02                 | 1.78                  | 3.98 | 8.06 | .05    | 546.9       |   |
| 740011     | 10.2 | .005                | .08                   | .38  | .62  | .06    | 556.5       |   |
| 740012     | 2.8  | .02                 | 2.26                  | 4.05 | 6.85 | .19    | 559.3       |   |
| 740013     | 4.2  | .02                 | 3.06                  | 6.45 | 12.3 | .16    | 563.5       |   |
| 740014     | 4.5  | .04                 | 4.44                  | 6.60 | 13.1 | .28    | 568.0       |   |
| 740015     | 3.9  | .04                 | 4.36                  | 5.78 | 9.24 | .29    | 571.9       |   |
| 740016     | 5.1  | .04                 | 2.40                  | 5.85 | 9.03 | .33    | 577.0       |   |
| 740017     | 4.0  | .04                 | 4.12                  | 6.90 | 9.1  | .34    | 581.0       |   |
| 740018     | 5.5  | .02                 | 3.66                  | 9.2  | 17.4 | .18    | 586.5       |   |
| 740019     | 5.3  | .01                 | .48                   | 1.13 | 2.28 | .05    | 591.8       |   |

ASSAYER. *H. Hayward for H. Walding*

2-5  
Drill Log

May 7th, 1974

Faro Hotel.

Dear Alaro,

Please find enclosed a copy of core log for DDH A-5. You shall be receiving a copy of the assay results from Whitehorse assay. I did not have assay slips so the no's I used and footages are given in the attached sheet.

I hope you completed your move into the new apartment successfully.

Sincerely  
Stan.

May 7th '74

AEY D1H-5

| ASSAY NOS | FOOTAGE                |   |                |
|-----------|------------------------|---|----------------|
| 740001    | 420-426                | Massive sulphide  |                |
| 740002    | 508-512.6"             | Mineralized black scsr.   |                |
| 740003    | 512.6"-517             | "   |                |
| 740004    | 517'-521.6"            | "   |                |
| 740005    | 521.6" - 526.6"        | "   |                |
| 740006    | 16.0 { 526.6" - 530.6" | Massive sulph   |                |
| 740007    |                        | 530.6" - 537  | Massive sulph  |
| 740008    |                        | 537 - 542.6"  | Massive sulph. |
| 740009    | 543 - 544.6"           | Senitic phyllite + Sulph  |                |
| 740010    | 544.6" - 546.3"        | On Fels ve + sulph  |                |
| 740011    | 546.3" - 556.6"        | Black phyllite with tetrahedrite.<br>(4' missing between 549-555) |                |
| 740012    | 36 { 556.6" - 559.4"   | Massive sulphide  |                |
| 740013    |                        | 559.4" - 563.6"   | "              |
| 740014    |                        | 563.6" - 568  | "              |
| 740015    |                        | 568 - 571.10"   | "              |
| 740016    |                        | 571.10" - 577   | "              |
| 740017    |                        | 577 - 581'  | "              |
| 740018    | 581 - 586.6"           | Massive sulphide Bx   |                |
| 740019    | 586.6" - 591.9"        | Mineralized black scsr.   |                |

A-1 76W 7+40S 1026' depth.

853-863.7 1.45 Pb 1.28 Zn 0.25 Cu + Au 0.59 Ag.

A-4 75+60W 0+60S 700' depth.

481.5-491.5 Waste min.

515-527 Waste min.

537.5-562.3 2.1% Pb 1.8% Zn, 0.27 Cu 0.02 Au, 1.20 Ag

656.0-675.5 6.7% Pb 10.8% Zn, 0.30 Cu, 0.05 Au 3.85 Ag.

° A-5 lie 76W 200'N Depth 592.'

Collar  
+100

420-426 10.6% Pb 9.62% Zn 0.02% Cu 0.01 Au 3.84 Ag

~~526.5-542.5 6.67% Pb 20.0% Zn 0.24% Cu 0.013 Au 3.30 Ag~~

508.0-526.5 Mineralized - not ore

~~556.5-586.5 Avg. sheet.~~

526.5-586.5 5.29% Pb, 11.42% Zn, 0.20% Cu, 0.0202 Au, 2.70 Ag

A-67 lie 76+50W 1400'N 477' depth  
1207' =

No mineralization.

A-7/6 lie 32W 8+00N 1207' depth

No significant mineralization

A-8 lie 84W 1100'N 763' depth

Mineralized 238-267 weak

Mineralized 306.7-322.0 Average sheet

583.5-592.5 3.23% Pb 6.11% Zn 0.05 Cu  
0.01 Au 1.48 Ag.

⊙ A-9 <sup>+25'</sup> line 76W 7400N 761' depth.

375.7-408.7 ~~Weale Mineralizat.~~  
1.48% Pb, 3.71% Zn, 0.05 Cu, 0.012 Au  
0.99 Ag.

410-416 5.55 Pb, 7.92 Zn, 0.06 Cu, 0.01 Au, 0.80 Ag.

434-479 4.32 Pb, 7.15 Zn, 0.08 Cu, 0.02 Au, 2.25 Ag

⊙ A-10 line 78W 200'N 820' depth.

518-623 4.39 Pb, 6.75 Zn, 0.13 Cu, ~~0.03 Au~~ 1.95 Ag.

623-730 Weale min.

730-756 5.14 Pb, 8.03 Zn, 0.20 Cu, 0.04 Au, 2.63 Ag.

767-775.4 3.00 Pb, 6.72 Zn, 0.06 Cu, 0.02 Au, 1.82 Ag

779-783 1.73 Pb, 3.12 Zn, 0.05 Cu, 0.02 Au, 1.02 Ag

785-787.6 5.25 Pb, 13.8 Zn, 0.18 Cu, 0.04 Au, 2.80 Ag

802-815 4.5 Pb, 6.27 Zn, 0.19 Cu, 0.03 Au, 2.24 Ag

815  
730  
85

623  
518  
105

## 74W on Base line

|        |             |       | %<br>Pb | %<br>Zn | %<br>Cu | %<br>As | %<br>Ag |
|--------|-------------|-------|---------|---------|---------|---------|---------|
| A-11 v | 379.0-387.0 | 8.0'  | 6.00    | 6.84    | 0.12    | 0.02    | 2.70    |
| down   | 493.5-506.5 | 13.0' | 4.50    | 3.87    | 0.17    | 0.007   | 0.87    |
|        | 584.0-599.0 | 15.0' | 7.37    | 11.45   | 0.17    | 0.04    | 3.92    |
|        | 693.0-700.0 | 7.0'  | 2.40    | 2.70    | 0.27    | 0.02    | 1.38    |
|        | 736.0-745.0 | 9.0'  | 3.38    | 5.28    | 0.13    | 0.01    | 1.92    |

## A-12 v 84W 4+00N

down

|               |                    |
|---------------|--------------------|
| 674.0-1045.0  | Sulphides, banded  |
| 1045.0-1055.0 | Massive Sulphides. |

## A-13 v 68W on Base line.

|      |             |       |   |
|------|-------------|-------|---|
| down | 133.0-219.0 | 86.0' | Rich Sulphide ore except for barren Sec <sup>U</sup><br>171.0-178.0 |
| down | 388.0-404.0 | 16.0' | Waste Sulphides   |
| down | 404.0-410.0 | 6.0'  | High Grade ore.   |
| down | 428.0-509.0 | 81.0' | Waste Sulphides -   |

KERR ADDISON MINES LIMITED

MEMO

VANCOUVER OFFICE

DATE June 17/74

TO: Glen Hogg

FROM: NMS

SUBJECT: Alex - Vangorda Drilling

W.J.  
M.D.R.  
I.D.B.  
R.D.S.  
G.R.  
T.W.B.  
E.C.I.

Glen,  
Herewith logs of A-10 & A-11  
plus Summary of assay data  
from A-5 - A-11.

The 105' section of 11% Combined  
is most impressive & probably reflects  
what would have been found in  
A-5 had it been possible to  
complete that hole.

Bice

Report on holes drilled on Kerr-Addison  
Property.

Vancouver

RECEIVED

JUN 17 1974

KERR ADDISON MINES LTD.

PER

D.D.H. A-5: Line 76W 200'N. SW. corner of Chuck S.

Sulphide intersections

420'-426' (6') Massive banded pyritic sulphide

10.6% lead, 9.62% zinc, 0.2% copper, 0.01 oz/ton gold,  
3.84 oz/ton silver.

526.5 - 542.5 Massive banded pyritic sulphides

526.5 - 530.5 (4') 6.5% Pb; 21.5% Zn; 0.25% Cu; 0.01 oz/ton Au; 3.32 oz/ton Ag

530.5 - 537 (6.5') 4.7% Pb; 22.9% Zn; 0.16% Cu; 0.01 oz/ton Au; 1.72 oz/ton Ag

537 - 542.5 (5.5') 9.2% Pb; 15.5% Zn; 0.32% Cu; 0.02 oz/ton Au; 5.14 oz/ton Ag

Tot: (16') Av. 6.67 Pb; 20.0 Zn; 3.30 Ag; 0.24 Cu, 0.013 Au

544.5 - 546.25 (1.75') Massive sulphide

3.98% Pb; 8.06% Zn; 0.05% Cu; 0.02 oz/ton Au; 1.78 oz/ton Ag

556.5 - 586.5 Massive sulphide

556.5 - 559.3 (2.8) 4.05 Pb; 6.85 Zn; 0.19 Cu; 0.02 oz/ton Au; 2.26 oz/ton Ag

559.3 - 563.5 (4.2) 6.45 Pb; 12.3 Zn; 0.16 Cu; 0.02 oz/ton Au; 3.06 oz/ton Ag

563.5 - 568 (4.5) 6.6 Pb; 13.1 Zn; 0.28 Cu; 0.04 oz/ton Au; 4.44 oz/ton Ag

568 - 571.8 (3.8) 5.78 Pb; 9.24 Zn; 0.29 Cu; 0.04 oz/ton Au; 4.36 oz/ton Ag

571.8 - 577 (5.2) 5.85 Pb; 9.03 Zn; 0.33 Cu; 0.04 oz/ton Au; 2.40 oz/ton Ag

577 - 581 (4.0) 6.90 Pb; 9.1 Zn; 0.34 Cu; 0.04 oz/ton Au; 4.12 oz/ton Ag

581 - 586.5 (5.5) 9.2 Pb; 17.4 Zn; 0.18 Cu; 0.02 oz/ton Au; 3.66 oz/ton Ag

Tot (30')

586.5 - 591.75 (5.25') Mineralized ecst.

1.13 Pb; 2.28 Zn; 0.05 Cu; 0.01 oz/ton Au; 0.46 oz/ton Ag

Ultimate depth 592.25'

586.5  
526.5 - ~~586.5~~ } 11.02 Zn; 5.29 Pb; 0.22 Au  
60ft } 0.20 Cu; 2.70 Ag

D.D.H. A-6: Line 76, 50 , 1400' N. N.E. corner Chuck 5

Ultimate depth 477'

no significant mineralization but chlorite sericite phyllites altered and bleached to approx. 303'

D.D.H. A-7: Line 32 W , 800' N. ; Centre of Champ 6

Ultimate depth: 1207'

No significant mineralization.

D.D.H. A-8: Line 84 W , 1100' N. North side Chuck 5.

Three zones of variably mineralized disseminated sulphides

238-267 weakly mineralized phyllites.

|              |   |
|--------------|---|
| 238-245 (7)  | 0.98 Pb; 1.12 Zn; 0.04 Cu; 0.01 oz/ton Au; 0.4 oz/ton Ag.   |
| 245-250 (5)  | 0.90 Pb; 1.26 Zn; 0.06 Cu; 0.01 oz/ton Au; 0.48 oz/ton Ag.  |
| 250-263 (13) | 0.80 Pb; 0.90 Zn; 0.07 Cu; 0.005 oz/ton Au; 0.32 oz/ton Ag. |
| 263-267 (4)  | 0.21 Pb; 0.08 Zn; 0.04 Cu; trace; 0.08 oz/ton Ag.           |
| TOT (29)     |   |

306.75-324.5 Phyllite 5-10% mineralized.

|                      |   |
|----------------------|---|
| 306.75-312.5 (5.7)   | 2.03 Pb; 4.08 Zn; 0.03 Cu; 0.01 Au; 1.08 oz/ton Ag.         |
| 1525 312.5-318 (5.5) | 2.48 Pb; 4.62 Zn; 0.03 Cu; 0.01 oz/ton Au; 0.92 oz/ton Ag.  |
| 318-322 (4.0)        | 3.08 Pb; 6.48 Zn; 0.04 Cu; 0.005 oz/ton Au; 1.16 oz/ton Ag. |
| 322-324.5 (2.5)      | 1.93 Pb; 2.28 Zn; 0.06 Cu; 0.01 oz/ton Au; 0.84 oz/ton Ag.  |
| TOT (17.2)           |   |
| 503.5-592.5 (9.0)    | 3.23 Pb; 6.11 Zn; 0.05 Cu; 0.01 Au; 1.48 Ag.                |

ultimate depth 763'

D.D.H. A.9. Line 76 W, 700 N. ; Centre of Chuck 5.

Zone of disseminated sulphides in graphitic phyllite.

373.75 - 479 Mineralized phyllites.

373.75 - 408.75 (35') Mineralized phyllites

Ave Assay = 1.48 Pb; 3.71 Zn; 0.05 Cu; 0.012 oz/ton Au; 0.99 oz/ton Ag.

410 - 416 (6') Massive pyritic sulphide.

5.55 Pb; 7.92 Zn; 0.06 Cu; 0.01 oz/ton Au; 0.8 oz/ton Ag.

434 - 479 (45') Mineralized phyllite. Locally 30-70% mineralized.

Ave Assay = 4.32 Pb; 7.15 Zn; .08 Cu; .02 oz/ton Au; 2.25 oz/ton Ag.

Ultimate depth: 761.

D.D.H. A.10: Line 78 W, 200' N. S.W. Chuck 5

- Mineralized sections.

518.5 - 726' (207.5) Mineralized phyllites with bands of massive sulphides  
to 578'

Assay: 518.5 - 583 (64.5')

Ave 4.6 Pb, 9.65 Zn, 0.17 Cu; 0.03 oz/ton Au, 2.52 oz/ton Ag.

726' - 756' (30) Massive sulphide -

766 - 775.5 (10.5) Massive sulphide. Sphalerite rich (Zn)

779 - 783 (4) Mineralized phyllite

784.5 - 787 (2.5) Massive sulphide. Sphalerite rich (Zn)

301.5 - 815 (13.5) Massive pyritic sulphides

Total footage of mineralized sections: massive or disseminated = 268.0'

Ultimate depth = 868'

Mineralized sections from 523' onwards to be submitted for assay on June 5/74.

D.D.H. A.11 Line 74, W. 00, B/L.

Mineralized Sections.

379 - 402 (23') Massive sulphide.

494 - 505 (11') Massive sulphide

584 - 599 (15') Massive sulphide.

693 - 704 (11') Massive sulphide Last 3' of section mineralized phyllite

727.5 - 746 (18.5) Massive sulphide and mineralized phyllite

Total 78.5

Ultimate depth 820'

Sections to be submitted for assay on or around 8th June/74.

Cumulative drill footage to June 6th /74

A5 592.25

A6 477.0

A7 1207.0

A8 763.0

A9 761.0

A10 868.0

A11 820.0

5488.25

Stanley B. Beaumont

Conclusion:

Based on (a) significant zinc-lead-silver intersections at least 800 feet across strike and lesser mineralization and alteration at least 2000 feet across strike, (b) ~~compact~~ geology comparative to other deposits in the district, and (c) the extent of associated geophysical anomalies; exploratory drilling is justified along a strike length of about 6000 feet, not including a geochemical and geophysical target area farther to the southeast.

It is estimated that an additional 20 holes averaging 750 feet in depth, totalling 15,000 feet at a total cost of \$300,000 will be necessary to delimit the mineralized zone or zones and give a preliminary estimate of tonnage and grade possibilities.

Harold E. Howe  
June 6/74