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**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

17,032

DIAMOND DRILLING REPORT

ON

PEM CLAIM, # 554

SITUATED IN THE NECHAKO HILLS AREA

LATITUDE 53 ¹⁰ 21'

LONGITUDE 124 31'

N.T.S. 93 F/7A

FILMED

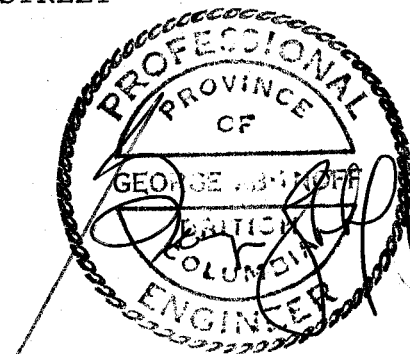
HELD BY

GRANGES EXPLORATION LTD.

2300 - 885 WEST GEORGIA STREET

VANCOUVER, B.C.

V6C 3E8



MAY 26, 1988

G.W. ZBITNOFF, P.ENG.
(A.L. LAITE)

ARIS SUMMARY SHEET

District Geologist, Prince George

Off Confidential: 89.03.18

ASSESSMENT REPORT 17032

MINING DIVISION: Omineca

PROPERTY: Blackwater-Davidson
LOCATION: LAT 53 10 45 LONG 124 51 50
UTM 10 5893606 375433
NTS 093F02W

CLAIM(S): Pem
OPERATOR(S): Granges Ex.
AUTHOR(S): Zbitnoff, G.W.
REPORT YEAR: 1988, 156 Pages

COMMODITIES
SEARCHED FOR: Gold, Silver, Lead, Zinc

GEOLOGICAL
SUMMARY: Property is underlain by Cretaceous and/or Tertiary volcanics of the Ootsa Lake Group. Drilling reveals a suite of felsic volcanic rocks representing more or less altered, glassy, typically non-porphyrific rhyolites and latites. Mineralogy consists of varying proportions of quartz, sericite and potassic glass. The majority are fragmental rocks, either coarse tuffs or brecciated flows.

WORK
DONE: Drilling
DIAD 2724.6 m 22 hole(s);BQ
Map(s) - 1; Scale(s) - 1:2500

ATED
REPORTS: 06384,07803,11051,14242
MINFILE: 093F

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ENCLOSURES

DIAMOND DRILL LOGS FOR DDH #'S 9 to 31

DRILL HOLE LOCATION PLAN, DAVIDSON PROJECT, PEM CLAIMS 554(3)

INTRODUCTION

The PEM claim (record # 554) is located approximately 160 km southwest of Vanderhoof, in central British Columbia. The claim is situated on the northern slope of Mt. Davidson which is located within the Fawnie Range. A major all-weather logging road out of Vanderhoof comes to within 20 km of the property. In the summer of 1986 a bush road was constructed to join the logging road and property. There is limited road access around the property by drill roads.

The claim is held by Granges Exploration Ltd. of Vancouver, B.C. and is part of a joint-venture project between Granges Exploration Ltd. and Cominco Ltd. of Vancouver, B.C.

DIAMOND DRILLING

The 1987 exploration program for the Mt. Davidson project consisted of two phases of diamond drilling. The initial exploration phase was done in July and August and the follow-up work was done in October and November. A total of 8,939 ft. (2,724.61 m) was drilled in 22 holes. The diamond drilling was done by Quest Canada Drilling Ltd. of Vancouver, B.C. The work was supervised by S. Weekes, geologist for Granges Exploration Ltd.

The first phase of drilling was done to explore gold and silver values obtained from earlier reverse circulation and diamond drilling. Of the holes drilled on the "gold zone", three returned significant gold intersections. Two of these holes (DAV-9 and DAV-11) were drilled under reverse circulation holes that returned gold values. The third hole, DAV-19, was drilled between DAV-9 and DAV-11. Other holes in the area returned many anomalous but very low-grade gold intersections.

Low-grade silver was intersected in all of the holes drilled on the "silver zone" to the west, but the grades obtained from earlier diamond drilling (DAV-9) were never repeated. The best of the new holes is DAV-15 (61.7 m of 28.32 g/t Ag) which does keep the zone open to the east. A total of 15 holes (6,272 ft.) were drilled in the first phase.

The second phase of drilling was done to follow up the gold values intersected in holes DAV-9, DAV-11 and DAV-19. Seven holes were drilled totalling 2,667 feet. Six of the seven holes intersected anomalous but low-grade values. None of the intersections were as good as the earlier drilling. The best results came from DAV-27 (5.04 m of 2.67 g/t Au and 2.34% Zn).

DRILL CORE STORED ON PROPERTY

RESULTS AND RECOMMENDATIONS

Drilling has indicated numerous intersections with anomalous gold values but only a few are "ore grade." There is a strong correlation between gold values and zones of broken, extremely altered felsic rocks. These zones probably represent faulting or fracturing. At this point, there is very poor correlation between holes. The amount of alteration and brecciation indicates an extremely active system. Exploration should continue in the hope of finding a zone within the system where mineralization has been concentrated to "ore grade." Geophysics has proven to be of very little value on this property, and consequently drilling is the only viable method of exploration. A third 3,000 ft. diamond drill program is recommended to further explore the mineralization in the "gold zone."

The following is a summary of results, but for more information please contact Granges in order to see the appended logs and record sheets or to view the core.

| <u>Hole No.</u> | <u>Intersection (m)</u> | <u>Au g/t</u> | <u>Ag g/t</u> |
|-----------------|-------------------------------|---------------|---------------|
| DAV-9 | 35.66 - 36.48 | 6.18 | 3.5 |
| | 36.48 - 37.52 | 2.62 | 4.5 |
| | 62.67 - 63.95 | 2.09 | 16.5 |
| | 65.32 - 66.84 | 6.17 | 5.5 |
| | 70.10 - 70.90 | 3.91 | 1.5 |
| | 80.92 - 82.05 | 3.11 | 9.0 |
| | 82.05 - 82.51 | 3.47 | 4.0 |
| | 91.41 - 92.93 | 16.33 | 3.5 |
| | 101.62 - 102.08 | .98 | 320.5 |
| DAV-10 | Hole lost due to squeeze | | |
| DAV-11 | 57.0 - 58.5 | 3.50 | 2.0 |
| | 62.3 - 63.2 | 37.20 | 53.5 |
| | 63.2 - 64.1 | 14.00 | 38.5 |
| | 64.1 - 65.0 | 11.65 | 7.0 |
| | 65.0 - 65.9 | 24.00 | 37.0 |
| | 65.9 - 66.8 | 5.70 | 12.0 |
| | 66.8 - 67.7 | 3.50 | 11.5 |
| | 67.7 - 68.6 | 3.92 | 27.5 |
| | 109.5 - 110.8 | 48.30 | 19.5 |
| | 125.4 - 126.3 | 2.28 | 2.0 |
| DAV-12 | No significant mineralization | | |

RESULTS AND RECOMMENDATIONS (CONT'D)

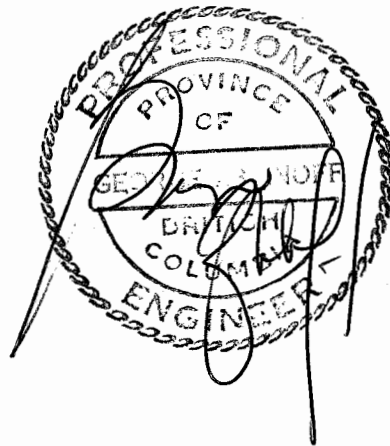
| <u>Hole No.</u> | <u>Intersection (m)</u> | <u>Au g/t</u> | <u>Ag g/t</u> |
|-----------------|-------------------------------|---------------|---------------|
| DAV 13 | No significant mineralization | | |
| DAV 14 | No significant mineralization | | |
| DAV 15 | 101.8 - 103.3 | .02 | 35.0 |
| | 103.3 - 104.9 | .02 | 67.5 |
| | 106.4 - 107.9 | .02 | 55.0 |
| | 109.4 - 110.9 | .04 | 52.0 |
| | 110.9 - 112.5 | .02 | 40.5 |
| | 112.5 - 114.0 | .02 | 47.0 |
| | 114.0 - 115.5 | .03 | 54.5 |
| | 115.5 - 117.0 | .02 | 51.5 |
| | 120.7 - 122.2 | .02 | 92.5 |
| | 132.9 - 134.4 | .02 | 41.5 |
| | 134.4 - 135.9 | .02 | 32.0 |
| | 135.9 - 137.5 | .04 | 54.0 |
| | 139.0 - 140.5 | .02 | 54.0 |
| | 140.5 - 141.7 | .02 | 50.5 |
| DAV 16 | 38.7 - 40.5 | .07 | 109.5 |
| | 40.5 - 43.3 | .02 | 33.0 |
| | 43.3 - 44.8 | .02 | 59.0 |
| | 46.3 - 47.9 | .02 | 44.5 |
| | 52.4 - 54.0 | .04 | 53.5 |
| | 54.0 - 56.1 | .02 | 35.5 |
| | 57.6 - 59.1 | .06 | 34.5 |
| | 60.7 - 61.6 | .11 | 33.5 |
| DAV 16 W1 | 43.4 - 45.0 | .02 | 66.5 |
| | 54.1 - 55.6 | .02 | 44.0 |
| | 55.6 - 57.2 | .02 | 71.0 |
| | 57.2 - 58.7 | .05 | 69.0 |
| | 60.2 - 61.7 | .12 | 38.5 |
| DAV 17 | 9.4 - 12.5 | .02 | 46.5 |
| | 12.5 - 19.5 | .03 | 72.5 |
| | 19.5 - 21.6 | .02 | 32.0 |
| | 41.5 - 43.0 | .02 | 45.0 |
| | 47.5 - 49.1 | .03 | 54.0 |
| | 49.1 - 50.6 | .02 | 41.5 |
| | 56.7 - 58.2 | .02 | 33.5 |
| | 61.3 - 62.8 | .02 | 96.5 |
| | 62.8 - 64.3 | .02 | 59.0 |
| | 64.3 - 65.8 | .02 | 45.5 |
| | 65.8 - 67.4 | .02 | 35.5 |
| | 70.4 - 71.9 | .02 | 35.0 |
| | 75.0 - 76.5 | .02 | 44.0 |
| | 82.6 - 84.1 | .02 | 45.5 |
| | 88.7 - 90.2 | .05 | 35.0 |

RESULTS AND RECOMMENDATIONS (CONT'D)

| <u>Hole No.</u> | <u>Intersection (m)</u> | <u>Au g/t</u> | <u>Ag g/t</u> |
|-----------------|-------------------------------|---------------|---------------|
| DAV 18 | No significant mineralization | | |
| DAV 19 | 92.8 - 94.3 | 7.20 | 7.5 |
| | 103.9 - 104.9 | 4.75 | 3.5 |
| | 104.9 - 105.8 | 6.55 | 5.5 |
| | 108.4 - 108.8 | 8.20 | 27.5 |
| | 108.8 - 109.4 | 6.40 | 22.0 |
| | 109.4 - 110.0 | 2.12 | 11.0 |
| | 114.6 - 115.2 | 17.80 | 62.5 |
| | 115.2 - 116.1 | 3.00 | 11.0 |
| | 116.1 - 117.0 | 3.78 | 14.0 |
| | 124.5 - 125.0 | 21.50 | 41.5 |
| | 125.0 - 125.9 | 5.15 | 13.0 |
| | 127.4 - 127.9 | 12.73 | 48.5 |
| | 128.9 - 129.5 | 2.43 | 38.5 |
| DAV 20 | No significant mineralization | | |
| DAV 21 | 58.4 - 59.3 | 6.79 | 17.5 |
| | 59.3 - 60.2 | 2.63 | 16.5 |
| | 60.2 - 61.7 | 4.92 | 7.0 |
| | 83.4 - 83.8 | 2.75 | 9.0 |
| | 89.3 - 90.8 | 2.15 | 4.5 |
| DAV 22 | No significant mineralization | | |
| DAV 23 | 50.9 - 51.8 | 2.02 | 3.5 |
| | 65.5 - 67.1 | 2.16 | 5.0 |
| | 70.4 - 71.3 | 6.20 | 12.5 |
| | 73.5 - 74.4 | 2.36 | 8.0 |
| DAV 24 | Hole lost in extreme cave | | |
| DAV 25 | No significant mineralization | | |
| DAV 26 | 28.96 - 29.26 | 6.74 | 18.0 |
| | 39.47 - 39.93 | 2.35 | 12.0 |
| DAV 27 | 173.89 - 175.56 | 3.32 | 2.5 |
| | 177.09 - 177.70 | 5.38 | 2.0 |
| | 177.70 - 178.46 | 3.29 | 2.0 |
| DAV 28 | 50.44 - 52.27 | 1.13 | 32.0 |
| DAV 29 | 77.57 - 79.25 | 2.25 | 2.0 |

RESULTS AND RECOMMENDATIONS (CONT'D)

| <u>Hole No.</u> | <u>Intersection (m)</u> | <u>Au g/t</u> | <u>Ag g/t</u> |
|-----------------|-------------------------------|---------------|---------------|
| DAV 30 | No significant mineralization | | |
| DAV 31 | No significant mineralization | | |



EXPENDITURES ON THE PEM CLAIM (RECORD NO. 554)

Diamond drilling costs, Quest Canada Drilling Ltd.:

| | |
|---|-----------------|
| Diamond drilling | \$ 174,819.74 |
| Excess muds | 337.88 |
| Fuel | 561.00 |
| Equipment | 20,952.32 |
| Core boxes & lids | 2,191.00 |
| Drill operating costs, 105.5 hrs. @ \$65/hr ... | 6,920.00 |
| Non-operating drill costs, 65 hrs. @ \$50/hr .. | 3,250.00 |
| D6 CAT, 176 hrs @ \$90/hr | 6,030.00 |
| Personnel, 438.5 hrs @ \$30/hr | 13,155.00 |
| Room & board for Granges Exploration Ltd. crew 113 man days @ \$50/day | 5,650.00 |
| 17 man days splitting core @ \$85.00/day | <u>1,445.00</u> |
| TOTAL | \$ 235,311.94 |

Assays, Acme Analytical Laboratories Ltd.:

| | |
|---|---------------------|
| 1658 assays for Au, Ag, Pb and Zn @ \$18.75 ... | \$ 31,087.50 |
| Geologists Wages: 62 days @ \$139.88 | \$ 8,672.56 |
| 36 days @ \$97.92 | \$ 3,525.12 |
| Helpers Wages: 11 days @ \$92.00 | \$ 1,012.00 |
| 23 days @ \$69.00 | \$ 1,587.00 |
| Report preparation: 3 days @ \$144.54 | \$ 433.62 |
| Office Administration | \$ <u>28,162.97</u> |
| TOTAL | \$ 309,792.71 |



STATEMENT OF QUALIFICATIONS
GEORGE W. ZBITNOFF
5160 CLIFF PLACE
DELTA, B.C.

Name: Zbitnoff, George William

Birth Date: August 15, 1938

Birthplace: Saskatoon, Saskatchewan

Graduated with Grade 12 matriculation from
Blaine Lake High School in 1955.

Graduated from University of Saskatchewan with a
B.A. (Geology and chemistry majors) in 1963.

Professional

- Associations:
- Member of the Association of Professional Engineers of the Province of Manitoba.
 - Member of the Association of Professional Engineers of the Province of British Columbia since 1973.
 - Member of the Canadian Institute of Mining and Metallurgy.

- Experience:
- Pre-graduation experience in geology with the Department of Mineral Resources of Saskatchewan.
 - May 1962 - Two and one half years, field geologist with Hudson Bay Exploration and Development, Flin Flon area.
 - January 1965 - Six years, field and resident geologist with Noranda Exploration Ltd., Flin Flon area.
 - February 1971 - Twelve and one half years, Assistant Manager, Granges Exploration Aktiebolag in Vancouver, B.C.
 - November 1983 to present - Vice President Exploration, Granges Exploration Ltd. in Vancouver, B.C.
 - Active geological experience in all provinces of Canada and parts of the United States and Mexico.
 - Participated in the discovery of Trout Lake Mine.



ACME ANALYTICAL LABORATORIES
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: AUG 2 1987

DATE REPORT MAILED: *Aug 11/87..*

ASSAY CERTIFICATE

- SAMPLE TYPE: CORE

ASSAYER: *Dean Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

GRANGES EXPLORATION PROJECT-120 File # 87-2929 Page 1

| SAMPLE# | AU GM/T | AG GM/T | CU % | PB % | ZN % |
|---------|------------|------------|---------|---------|---------|
| 33767 | .02 | .5 | - | .03 | .16 |
| 33768 | .02 | 1.5 | - | .05 | .19 |
| 33769 | .02 | 4.5 | - | .13 | .28 |
| 33770 | .02 | 1.5 | - | .06 | .45 |
| 33771 | .02 | 5.5 | - | .17 | .53 |
| 33772 | .02 | 4.0 | - | .14 | .31 |
| 33773 | .02 | 4.5 | - | .13 | 1.45 |
| 33774 | .02 | 3.0 | - | .06 | .23 |
| 33775 | .02 | 3.0 | - | .14 | .26 |
| 33776 | .02 | 3.5 | - | .14 | .23 |
| 33777 | .02 | .5 | - | .01 | .07 |
| 33778 | .02 | .5 | - | .03 | .17 |
| 33779 | .02 | .5 | - | .01 | .04 |
| 33780 | .02 | .5 | - | .01 | .09 |
| 33781 | .02 | 7.0 | - | .22 | .40 |
| 33782 | .50 | 17.0 | - | .53 | .89 |
| 33783 | .13 | 3.5 | - | .12 | .61 |
| 33784 | .12 | 8.0 | - | .28 | .69 |
| 33785 | .06 | 6.5 | - | .23 | .58 |
| 33786 | .02 | 3.5 | - | .10 | .29 |
| 33787 | .39 | 3.0 | - | .08 | .26 |
| 33788 | .02 | .5 | - | .01 | .15 |
| 33789 | .15 | .5 | - | .01 | .07 |
| 33790 | .05 | .5 | - | .01 | .11 |
| 33791 | .06 | 2.5 | - | .07 | .29 |
| 33792 | 3.50 | 2.0 | - | .04 | .15 |
| 33793 | .13 | .5 | - | .01 | .08 |
| 33794 | .24 | 1.5 | - | .04 | .21 |
| 33795 | .45 | 15.5 | .03 | .31 | .65 |
| 33796 | 37.20 | 53.5 | .23 | .40 | 3.02 |
| 33797 | 14.00 | 38.5 | - | .35 | .50 |
| 33798 | 11.65 | 7.0 | - | .08 | .20 |
| 33799 | 24.00 | 37.0 | - | .18 | .30 |
| 33800 | 5.70 | 12.0 | - | .16 | 1.28 |
| 33801 | 3.50 | 11.5 | - | .07 | 1.12 |
| 33802 | 3.92 | 27.5 | - | .16 | 2.30 |

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 33803 | 1.46 | 4.0 | .01 | .47 |
| 33804 | .75 | 1.5 | .01 | .67 |
| 33805 | .08 | 1.1 | .01 | .60 |
| 33806 | .27 | .6 | .01 | .47 |
| 33807 | .36 | 3.3 | .01 | 1.16 |
| 33808 | .34 | 2.0 | .01 | .77 |
| 33809 | .29 | 2.4 | .01 | 1.15 |
| 33810 | 1.01 | 4.1 | .01 | 1.06 |
| 33811 | .48 | 1.1 | .01 | 1.27 |
| 33812 | 1.06 | 1.1 | .01 | .53 |
| 33813 | .54 | 2.1 | .01 | .54 |
| 33814 | .09 | 2.0 | .01 | .19 |
| 33815 | .26 | 1.3 | .01 | .23 |
| 33816 | .62 | 3.8 | .02 | .72 |
| 33817 | .43 | 2.0 | .01 | .78 |
| 33818 | .56 | 3.2 | .01 | .67 |
| 33819 | .32 | 2.1 | .01 | .76 |
| 33820 | 1.13 | 2.6 | .01 | .88 |
| 33821 | 1.02 | 3.6 | .01 | 1.31 |
| 33822 | 1.34 | 2.4 | .01 | 1.01 |
| 33823 | 1.12 | 4.3 | .02 | 1.11 |
| 33824 | .59 | 6.0 | .02 | .86 |
| 33825 | 1.16 | 5.7 | .01 | 1.61 |
| 33826 | .69 | .5 | .01 | .81 |
| 33827 | .49 | 2.6 | .01 | .52 |
| 33828 | .38 | 2.1 | .02 | .68 |
| 33829 | .08 | .7 | .01 | .47 |
| 33830 | .20 | .6 | .01 | .49 |
| 33831 | .25 | .6 | .01 | .33 |
| 33832 | .59 | 1.4 | .01 | 1.06 |
| 33833 | 1.79 | 4.7 | .01 | 1.69 |
| 33834 | 1.15 | 2.6 | .01 | 1.58 |
| 33835 | 1.75 | 5.6 | .03 | 1.26 |
| 33836 | .28 | 3.0 | .01 | 1.04 |
| 33837 | .62 | 2.2 | .01 | 1.02 |
| 33838 | .36 | .8 | .01 | 1.49 |

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 33839 | .62 | 4.0 | .03 | 1.18 |
| 33840 | .10 | 5.0 | .04 | 1.10 |
| 33841 | .65 | 2.0 | .02 | 1.09 |
| 33842 | 48.30 | 19.5 | .14 | .53 |
| 33843 | .15 | 1.0 | .01 | 1.26 |
| 33844 | .02 | 3.0 | .02 | 1.39 |
| 33845 | .02 | 1.5 | .01 | .22 |
| 33846 | .02 | .5 | .01 | .23 |
| 33847 | .02 | 1.0 | .01 | .56 |
| 33848 | .23 | 1.5 | .01 | .64 |
| 33849 | .15 | 1.0 | .01 | .79 |
| 33850 | 1.35 | 3.5 | .01 | .71 |
| 33851 | .20 | 1.0 | .01 | .60 |
| 33852 | .23 | 1.5 | .01 | .51 |
| 33853 | .28 | .5 | .01 | .68 |
| 33854 | 1.01 | 1.5 | .01 | 1.28 |
| 33855 | .92 | 2.5 | .01 | .90 |
| 33856 | .45 | 1.0 | .01 | .74 |
| 33857 | .51 | .5 | .01 | .50 |
| 33858 | .39 | .5 | .01 | 1.17 |
| 33859 | 2.28 | 2.0 | .01 | 1.31 |
| 33860 | .51 | 1.5 | .01 | 1.19 |
| 33861 | .50 | 1.5 | .01 | 1.04 |
| 33862 | .32 | .5 | .01 | .89 |
| 33863 | .61 | 1.0 | .01 | 1.52 |
| 33864 | .64 | .5 | .01 | .93 |
| 33865 | .95 | 2.5 | .01 | .97 |
| 33866 | .63 | 1.0 | .01 | .79 |
| 33867 | 1.05 | 2.0 | .01 | .99 |
| 33868 | 1.01 | 3.5 | .01 | 1.35 |
| 33869 | 1.34 | 1.5 | .01 | 1.06 |
| 33870 | .34 | .5 | .01 | .78 |
| 33871 | .69 | 1.5 | .01 | .93 |
| 33872 | .17 | .5 | .01 | .55 |

Davidson

Vaid

ACME ANALYTICAL LABORATORIES
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: JUL 31 1987
DATE REPORT MAILED: Aug 11/87

ASSAY CERTIFICATE

- SAMPLE TYPE: Core

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

GRANGES EXPLORATION PROJECT-120 File # 87-2896 Page 1

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 33650 | .14 | .5 | .17 | .01 |
| 33651 | .06 | .5 | .14 | .01 |
| 33652 | .12 | .5 | .11 | .01 |
| 33653 | .78 | 1.0 | .24 | .02 |
| 33654 | 1.04 | .5 | .15 | .02 |
| 33655 | 6.18 | 3.5 | .28 | .03 |
| 33656 | 2.62 | 4.5 | .16 | .03 |
| 33657 | .42 | 1.0 | .13 | .01 |
| 33658 | 1.14 | 1.0 | .30 | .01 |
| 33659 | .13 | 1.0 | .27 | .02 |
| 33660 | .12 | 1.0 | .22 | .02 |
| 33661 | .27 | 5.0 | .20 | .01 |
| 33662 | .39 | 3.0 | .32 | .02 |
| 33663 | .13 | 1.0 | .09 | .01 |
| 33664 | .76 | 1.0 | .15 | .01 |
| 33665 | .14 | 1.0 | .30 | .02 |
| 33666 | .22 | 1.5 | .11 | .01 |
| 33667 | .27 | 3.0 | .04 | .01 |
| 33668 | .28 | 2.5 | .11 | .01 |
| 33669 | 1.26 | 3.5 | .24 | .01 |
| 33670 | .27 | 4.5 | .10 | .01 |
| 33671 | .79 | 2.0 | .10 | .01 |
| 33672 | .71 | 2.0 | .16 | .01 |
| 33673 | .27 | 5.5 | .25 | .01 |
| 33674 | 2.09 | 16.5 | .10 | .03 |
| 33675 | .43 | 5.0 | .30 | .27 |
| 33676 | 6.17 | 5.5 | .18 | .21 |
| 33677 | 1.09 | 10.0 | .19 | .84 |
| 33678 | .23 | 4.5 | .07 | .67 |
| 33679 | .17 | 7.5 | .08 | .87 |
| 33680 | 3.91 | 1.5 | .01 | .21 |
| 33681 | .18 | .5 | .02 | .17 |
| 33682 | .08 | 1.0 | .02 | .07 |
| 33683 | .10 | .5 | .02 | .14 |
| 33684 | .14 | 2.0 | .04 | .45 |
| 33685 | .07 | 3.0 | .05 | .31 |

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 33686 | .12 | 2.5 | .03 | .12 |
| 33687 | .31 | 4.5 | .05 | .57 |
| 33688 | .85 | 3.5 | .04 | .39 |
| 33689 | .11 | 1.5 | .02 | .22 |
| 33690 | .75 | 4.5 | .04 | .54 |
| 33691 | .40 | 5.5 | .07 | .66 |
| 33692 | 3.11 | 9.0 | .11 | .84 |
| 33693 | 3.47 | 4.0 | .05 | .82 |
| 33694 | .75 | 3.0 | .05 | .53 |
| 33695 | .20 | 2.0 | .04 | .26 |
| 33696 | .68 | 4.5 | .12 | .46 |
| 33697 | .31 | 3.0 | .07 | .46 |
| 33698 | .11 | 4.5 | .13 | .53 |
| 33699 | .08 | 3.0 | .07 | .31 |
| 33700 | .16 | .5 | .02 | .11 |
| 33701 | 16.33 | 3.5 | .04 | .17 |
| 33702 | .41 | .5 | .02 | .11 |
| 33703 | .04 | 1.0 | .01 | .11 |
| 33704 | .22 | .5 | .01 | .06 |
| 33705 | .85 | 1.0 | .03 | .08 |
| 33706 | .49 | 2.0 | .02 | .53 |
| 33707 | .14 | 1.5 | .02 | .79 |
| 33708 | .98 | 320.5 | 8.19 | 2.36 |
| 33709 | .09 | 2.0 | .04 | .32 |
| 33710 | .36 | 3.5 | .06 | .18 |
| 33711 | .12 | .5 | .02 | .30 |
| 33712 | .08 | 1.5 | .03 | .23 |
| 33713 | .10 | 2.0 | .03 | .38 |
| 33714 | .02 | 2.5 | .08 | .26 |
| 33715 | .02 | 1.0 | .02 | .10 |
| 33716 | .05 | 2.0 | .06 | .28 |
| 33717 | .02 | 2.5 | .07 | .16 |
| 33718 | .02 | 6.0 | .18 | .28 |
| 33719 | .02 | 5.5 | .20 | .47 |
| 33720 | .02 | 9.5 | .32 | .53 |
| 33721 | .02 | 7.5 | .24 | .54 |

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 33722 | .02 | 4.5 | .12 | .51 |
| 33723 | .02 | 3.5 | .09 | .46 |
| 33724 | .02 | 11.5 | .39 | .33 |
| 33725 | .02 | 3.0 | .12 | .36 |
| 33726 | .02 | 7.0 | .22 | .46 |
| 33727 | .07 | 7.5 | .23 | .43 |
| 33728 | .02 | 5.5 | .20 | .37 |
| 33729 | .02 | 13.5 | .47 | .34 |
| 33730 | .02 | 6.0 | .19 | .33 |
| 33731 | .02 | 6.5 | .19 | .44 |
| 33732 | .02 | 3.0 | .09 | .31 |
| 33733 | .03 | 5.5 | .17 | .41 |
| 33734 | .08 | 2.5 | .07 | .50 |
| 33735 | .02 | 3.0 | .11 | .13 |
| 33736 | .02 | 1.0 | .04 | .21 |
| 33737 | .04 | 12.0 | .37 | 1.07 |
| 33738 | .02 | 3.0 | .07 | 1.20 |
| 33739 | .06 | 3.5 | .09 | 1.21 |
| 33740 | .12 | 3.5 | .11 | .40 |
| 33741 | .02 | 2.0 | .05 | .17 |
| 33742 | .16 | 3.0 | .09 | .28 |
| 33743 | .15 | 7.5 | .22 | 1.20 |
| 33744 | .03 | 9.0 | .25 | .78 |
| 33745 | .02 | 6.5 | .18 | .44 |
| 33746 | .05 | 8.5 | .25 | .54 |
| 33747 | .06 | 14.0 | .46 | .89 |
| 33748 | .04 | 7.5 | .24 | .34 |
| 33749 | .59 | 11.5 | .39 | .56 |
| 33750 | .22 | 11.0 | .27 | .40 |
| 33751 | .04 | 4.5 | .07 | .06 |
| 33752 | .04 | 2.0 | .04 | .04 |
| 33753 | .02 | 1.0 | .02 | .11 |
| 33754 | .06 | .5 | .01 | .01 |
| 33755 | .02 | .5 | .01 | .01 |
| 33756 | .02 | .5 | .01 | .28 |
| 33757 | .02 | 7.5 | .22 | .40 |

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 33758 | .02 | 13.0 | .46 | .61 |
| 33759 | .02 | 18.0 | .53 | .58 |
| 33760 | .02 | 9.5 | .28 | .46 |
| 33761 | .02 | 8.0 | .24 | .50 |
| 33762 | .02 | 8.0 | .21 | .50 |
| 33763 | .02 | 12.0 | .33 | .62 |
| 33764 | .02 | 19.5 | .49 | .37 |
| 33765 | .05 | 15.0 | .42 | .26 |
| 33766 | .45 | 19.0 | .49 | .22 |

DAVIDSON ~~PAID~~

ACME ANALYTICAL LABORATORIES
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: AUG 6 1987

DATE REPORT MAILED: Aug 13/87

ASSAY CERTIFICATE

- SAMPLE TYPE: Core

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

GRANGES EXPLORATION PROJECT-120 File # 87-3036 Page 1

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| X 33873 | .02 | .5 | .01 | .05 |
| X 33874 | .21 | 11.0 | .36 | .94 |
| X 33875 | .10 | 10.5 | .31 | .56 |
| X 33876 | .07 | 8.0 | .22 | .54 |
| X 33877 | .07 | 2.0 | .05 | .10 |
| X 33878 | .02 | 1.5 | .06 | .14 |
| X 33879 | .02 | .5 | .03 | .08 |
| X 33880 | .02 | .5 | .02 | .04 |
| X 33881 | .09 | 1.0 | .06 | .18 |
| X 33882 | .06 | 2.0 | .05 | .05 |
| X 33883 | .02 | .5 | .01 | .04 |
| X 33884 | .13 | 1.5 | .07 | .15 |
| X 33885 | .53 | 4.0 | .05 | .45 |
| X 33886 | 1.77 | 3.5 | .04 | .47 |
| X 33887 | .67 | 2.5 | .02 | .38 |
| X 33888 | .71 | 4.0 | .03 | .71 |
| X 33889 | .80 | 2.5 | .02 | .17 |
| X 33890 | .53 | 5.5 | .06 | .51 |
| X 33891 | .78 | 4.0 | .04 | .50 |
| X 33892 | 1.65 | 4.0 | .04 | .62 |
| X 33893 | .79 | 5.5 | .06 | .45 |
| X 33894 | .44 | 7.5 | .07 | .51 |
| X 33895 | .75 | 2.0 | .02 | .65 |
| X 33896 | .11 | 2.0 | .03 | .39 |
| X 33897 | .51 | 2.5 | .06 | .52 |
| X 33898 | .02 | 2.0 | .09 | .21 |
| X 33899 | .22 | 9.0 | .39 | .42 |
| X 33900 | .02 | 3.0 | .10 | .30 |
| X 33901 | .03 | 11.0 | .40 | .72 |
| X 33902 | .02 | 4.5 | .14 | .30 |
| X 33903 | .08 | 5.5 | .19 | .52 |
| X 33904 | .02 | .5 | .01 | .12 |
| X 33905 | .02 | .5 | .01 | .14 |
| X 33906 | .02 | 1.5 | .01 | .26 |
| X 33907 | .04 | .5 | .01 | .75 |
| X 33908 | .06 | .5 | .03 | .39 |

DAV

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EXPLORATION LTD.
AUG 14 1987

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| X 33909 | .02 | 3.0 | .03 | .32 |
| X 33910 | .02 | 5.0 | .06 | .66 |
| X 33912 | .09 | .5 | .01 | .71 |
| X 33913 | .07 | 1.5 | .01 | .36 |
| X 33914 | .06 | .5 | .01 | .30 |
| X 33915 | .12 | 4.0 | .03 | .42 |
| X 33916 | .24 | 5.0 | .14 | .47 |
| X 33917 | .02 | 15.5 | .39 | .65 |
| X 33918 | .05 | 5.0 | .08 | .76 |
| X 33919 | .06 | 1.0 | .01 | .52 |
| X 33920 | .02 | 1.5 | .02 | .36 |
| X 33921 | .02 | 1.0 | .01 | .20 |
| X 33922 | .02 | 1.5 | .01 | .20 |
| X 33923 | .02 | 1.0 | .02 | .30 |
| X 33924 | .02 | .5 | .01 | .32 |
| X 33925 | .02 | 2.5 | .05 | .30 |
| X 33926 | .19 | .5 | .01 | .73 |
| X 33927 | .11 | .5 | .01 | .11 |
| X 33928 | .09 | 1.5 | .01 | .64 |
| X 33929 | .12 | 1.5 | .01 | .39 |
| X 33930 | .09 | 2.5 | .01 | .57 |
| X 33931 | 1.36 | .5 | .01 | .43 |
| X 33932 | .31 | .5 | .01 | .53 |
| X 33933 | .46 | 1.5 | .01 | 1.27 |
| X 33934 | .29 | .5 | .01 | 1.20 |
| X 33935 | .14 | 1.0 | .01 | .98 |
| X 33936 | .10 | .5 | .01 | .37 |
| X 33937 | .06 | .5 | .01 | .77 |
| X 33938 | .05 | 1.5 | .01 | .56 |
| X 33939 | .23 | 1.5 | .01 | .98 |

ASSAY CERTIFICATE

- SAMPLE TYPE: Core

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

GRANGES EXPLORATION PROJECT-120 File # B7-3080 Page 1

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 33939 | .02 | .5 | .01 | .01 |
| 33940 | .02 | .5 | .01 | .01 |
| 33941 | .02 | .5 | .01 | .01 |
| 33942 | .02 | .5 | .01 | .01 |
| 33943 | .02 | .5 | .01 | .01 |
| 33944 | .02 | .5 | .01 | .01 |
| 33945 | .02 | .5 | .01 | .01 |
| 33946 | .02 | .5 | .01 | .01 |
| 33947 | .02 | .5 | .01 | .01 |
| 33948 | .02 | .5 | .01 | .01 |
| 33949 | .02 | .5 | .01 | .01 |
| 33950 | .02 | .5 | .01 | .01 |
| 33951 | .02 | .5 | .01 | .01 |
| 33952 | .02 | 1.0 | .01 | .01 |
| 33953 | .02 | .5 | .01 | .01 |
| 33954 | .02 | .5 | .01 | .01 |
| 33955 | .02 | .5 | .01 | .01 |
| 33956 | .02 | .5 | .01 | .01 |
| 34000 | .02 | 1.5 | .01 | .12 |
| 34001 | .02 | 17.5 | .17 | .92 |
| 34002 | .03 | 2.0 | .01 | .14 |
| 34003 | .02 | 1.0 | .01 | .20 |
| 34004 | .02 | 1.5 | .02 | .14 |
| 34005 | .02 | 2.0 | .02 | .29 |
| 34006 | .04 | 3.0 | .03 | .12 |
| 34007 | .03 | 3.0 | .02 | .11 |
| 34008 | .07 | 9.0 | .04 | .13 |
| 34009 | .02 | 2.0 | .01 | .09 |
| 34010 | .11 | 8.5 | .08 | .15 |
| 34011 | .07 | 3.0 | .01 | .04 |
| 34012 | .04 | 18.5 | .06 | .17 |
| 34013 | .02 | 10.0 | .05 | .11 |
| 34014 | .02 | 16.0 | .09 | .12 |
| 34015 | .04 | 6.5 | .04 | .06 |
| 34016 | .02 | 2.5 | .01 | .05 |
| 34017 | .03 | 3.5 | .02 | .06 |

DAV 13

DAV 14

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 34018 | .02 | 4.5 | .01 | .03 |
| 34019 | .02 | 2.5 | .01 | .01 |
| 34020 | .02 | 2.0 | .01 | .01 |
| 34021 | .07 | 10.5 | .01 | .02 |
| 34022 | .02 | .5 | .01 | .02 |
| 34023 | .02 | .5 | .01 | .03 |
| 34024 | .02 | 1.5 | .01 | .01 |
| 34025 | .02 | 3.5 | .01 | .11 |
| 34026 | .02 | .5 | .01 | .01 |
| 34027 | .02 | .5 | .01 | .01 |
| 34028 | .02 | .5 | .01 | .01 |
| 34029 | .04 | .5 | .01 | .01 |
| 34030 | .03 | .5 | .01 | .01 |
| 34031 | .02 | .5 | .01 | .01 |
| 34032 | .02 | .5 | .01 | .01 |
| 34033 | .02 | .5 | .01 | .01 |
| 34034 | .02 | .5 | .01 | .01 |
| 34035 | .02 | .5 | .01 | .01 |
| 34036 | .02 | .5 | .01 | .01 |
| 34037 | .02 | 2.0 | .01 | .01 |
| 34038 | .02 | .5 | .01 | .01 |
| 34039 | .02 | .5 | .01 | .01 |
| 34040 | .02 | 1.0 | .01 | .01 |
| 34041 | .02 | 1.0 | .01 | .01 |
| 34042 | .02 | .5 | .01 | .01 |
| 34043 | .02 | .5 | .01 | .01 |
| 34044 | .02 | .5 | .01 | .01 |
| 34045 | .05 | .5 | .01 | .01 |
| 34046 | .34 | 2.5 | .01 | .26 |
| 34047 | .20 | 21.5 | .13 | .28 |
| 34048 | .03 | 1.0 | .01 | .03 |
| 34049 | .04 | .5 | .01 | .01 |
| 34050 | .02 | 2.0 | .01 | .03 |

DAV
14

Paid

ACME ANALYTICAL LABORATORIES
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: AUG 12 1987

DATE REPORT MAILED: Aug 18/87

ASSAY CERTIFICATE

- SAMPLE TYPE: Core

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

GRANGES EXPLORATION PROJECT-120 File # 87-3197 Page 1

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 34051-X | .02 | .5 | .01 | .04 |
| 34052-X | .02 | 1.0 | .01 | .05 |
| 34053-X | .02 | 1.0 | .01 | .07 |
| 34054-X | .02 | .5 | .01 | .04 |
| 34055-X | .02 | .5 | .01 | .01 |
| 34056-X | .02 | .5 | .01 | .04 |
| 34057-X | .02 | .5 | .01 | .04 |
| 34058-X | .02 | .5 | .01 | .03 |
| 34059-X | .02 | .5 | .01 | .03 |
| 34060-X | .02 | .5 | .01 | .03 |
| 34061-X | .05 | .5 | .01 | .03 |
| 34062-X | .04 | 2.0 | .02 | .05 |
| 34063-X | .02 | 1.5 | .03 | .10 |
| 34064-X | .02 | 1.5 | .01 | .02 |
| 34065-X | .02 | 1.0 | .01 | .05 |
| 34066-X | .02 | 1.5 | .02 | .02 |
| 34067-X | .02 | 2.0 | .01 | .03 |
| 34068-X | .02 | 1.0 | .01 | .02 |
| 34069-X | .02 | 1.0 | .01 | .03 |
| 34070-X | .02 | .5 | .01 | .03 |
| 34071-X | .04 | 4.5 | .04 | .09 |
| 34072-X | .12 | 3.0 | .06 | .06 |
| 34073-X | .07 | 6.0 | .12 | .26 |
| 34074-X | .11 | 11.0 | .12 | .14 |
| 34075-X | .18 | 4.0 | .11 | .14 |
| 34076-X | .12 | 2.5 | .04 | .08 |
| 34077-X | .14 | 6.0 | .08 | .10 |
| 34078-X | .14 | 5.0 | .07 | .11 |
| 34079-X | .13 | 3.5 | .07 | .12 |
| 34080-X | .11 | 2.5 | .05 | .08 |
| 34081-X | .10 | 3.0 | .04 | .08 |
| 34082-X | .16 | 22.5 | .32 | .27 |
| 34083-X | .15 | 3.0 | .03 | .08 |
| 34084-X | .27 | 4.0 | .06 | .15 |
| 34085-X | .21 | 5.5 | .08 | .13 |
| 34086-X | .23 | 5.0 | .07 | .15 |

DAV 15

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 34087-X | .05 | 5.0 | .07 | .15 |
| 34088-X | .08 | 4.5 | .06 | .16 |
| 34089-X | .06 | 4.0 | .06 | .13 |
| 34090-X | .12 | 6.0 | .08 | .12 |
| 34091-X | .15 | 7.5 | .09 | .15 |
| 34092-X | .12 | 7.5 | .09 | .14 |
| 34093-X | .15 | 12.5 | .12 | .25 |
| 34094-X | .04 | 15.5 | .05 | .16 |
| 34095-X | .03 | 20.0 | .11 | .28 |
| 34096-X | .02 | 12.5 | .08 | .13 |
| 34097-X | .05 | 29.5 | .14 | .23 |
| 34098-X | .04 | 20.5 | .12 | .24 |
| 34099-X | .03 | 2.5 | .01 | .10 |
| 34100-X | .02 | 6.5 | .04 | .14 |
| 34101-X | .02 | 15.5 | .09 | .19 |
| 34102-X | .04 | 8.5 | .04 | .16 |
| 34103-X | .03 | 26.5 | .12 | .16 |
| 34104-X | .02 | 15.5 | .06 | .10 |
| 34105-X | .02 | 14.5 | .07 | .07 |
| 34106-X | .02 | 19.5 | .06 | .22 |
| 34107-X | .02 | 8.5 | .03 | .06 |
| 34108-X | .02 | 35.0 | .10 | .17 |
| 34109-X | .02 | 67.5 | .25 | .21 |
| 34110-X | .02 | 15.5 | .05 | .12 |
| 34111-X | .04 | 55.0 | .17 | .22 |
| 34112-X | .02 | 28.5 | .10 | .15 |
| 34113-X | .04 | 52.0 | .16 | .15 |
| 34114-X | .02 | 40.5 | .13 | .23 |
| 34115-X | .02 | 47.0 | .13 | .17 |
| 34116-X | .03 | 54.5 | .15 | .18 |
| 34117-X | .02 | 51.5 | .16 | .23 |
| 34118-X | .02 | 23.0 | .06 | .15 |
| 34119-X | .02 | 17.5 | .04 | .10 |
| 34120-X | .02 | 19.5 | .05 | .10 |
| 34121-X | .02 | 92.5 | .20 | .24 |
| 34122-X | .02 | 13.0 | .06 | .17 |

DAU 15

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 34124-X | .05 | 9.0 | .04 | .17 |
| 34125-X | .02 | 8.5 | .04 | .18 |
| 34126-X | .04 | 20.0 | .10 | .11 |
| 34127-X | .03 | 27.5 | .14 | .11 |
| 34128-X | .02 | 17.5 | .06 | .16 |
| 34130-X | .02 | 32.0 | .10 | .15 |
| 34132-X | .02 | 27.0 | .10 | .13 |
| 34133-X | .02 | 54.0 | .21 | .16 |
| 34134-X | .02 | 50.5 | .23 | .20 |

DAVIS

ASSAY CERTIFICATE

- SAMPLE TYPE: Core

ASSAYER: *D. Toye*. DEAN TOYE, CERTIFIED B.C. ASSAYER

GRANGES EXPLORATION PROJECT-120 File # 87-3523 Page 1

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 34226 | .02 | 46.5 | .10 | .17 |
| 34227 | .03 | 72.5 | .18 | .25 |
| 34228 | .02 | 32.0 | .05 | .11 |
| 34229 | .02 | 13.0 | .03 | .12 |
| 34230 | .02 | 16.0 | .09 | .11 |
| 34231 | .02 | 11.0 | .10 | .08 |
| 34232 | .02 | 7.5 | .08 | .05 |
| 34233 | .02 | 4.0 | .08 | .09 |
| 34234 | .02 | 5.5 | .09 | .08 |
| 34235 | .02 | 19.5 | .13 | .16 |
| 34236 | .02 | 4.0 | .01 | .02 |
| 34237 | .02 | 13.0 | .08 | .10 |
| 34238 | .02 | 14.5 | .09 | .12 |
| 34239 | .02 | 45.0 | .17 | .19 |
| 34240 | .02 | 28.5 | .07 | .14 |
| 34241 | .02 | 22.0 | .07 | .09 |
| 34242 | .02 | 22.5 | .09 | .06 |
| 34243 | .03 | 54.0 | .07 | .15 |
| 34244 | .02 | 41.5 | .18 | .23 |
| 34245 | .02 | 22.0 | .05 | .08 |
| 34246 | .02 | 9.0 | .04 | .06 |
| 34247 | .02 | 15.0 | .04 | .11 |
| 34248 | .02 | 23.5 | .04 | .09 |
| 34249 | .02 | 33.5 | .07 | .10 |
| 34250 | .02 | 21.0 | .05 | .14 |
| 34251 | .02 | 22.5 | .05 | .14 |
| 34252 | .02 | 96.5 | .06 | .23 |
| 34253 | .02 | 59.0 | .08 | .12 |
| 34254 | .02 | 45.5 | .04 | .10 |
| 34255 | .02 | 35.5 | .05 | .08 |
| 34256 | .02 | 19.0 | .04 | .10 |
| 34257 | .02 | 21.5 | .06 | .11 |
| 34258 | .02 | 35.0 | .14 | .11 |
| 34259 | .02 | 10.0 | .05 | .14 |
| 34260 | .02 | 14.5 | .06 | .16 |
| 34261 | .02 | 44.0 | .22 | .27 |

DAV-17

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 34262 | .02 | 20.5 | .12 | .22 |
| 34263 | .02 | 17.0 | .07 | .29 |
| 34264 | .02 | 20.5 | .08 | .20 |
| 34265 | .02 | 14.5 | .06 | .16 |
| 34266 | .02 | 45.5 | .09 | .11 |
| 34267 | .02 | 18.5 | .06 | .12 |
| 34268 | .03 | 26.0 | .08 | .19 |
| 34269 | .13 | 18.0 | .09 | .30 |
| 34270 | .05 | 35.5 | .15 | .28 |
| 34271 | .09 | 29.5 | .11 | .17 |
| 34272 | .02 | 18.0 | .08 | .21 |
| 34273 | .04 | 19.0 | .10 | .16 |
| 34274 | .07 | 12.5 | .06 | .21 |
| 34275 | .02 | 15.5 | .09 | .21 |
| 34276 | .02 | 9.5 | .03 | .11 |
| 34277 | .11 | .5 | .01 | .01 |
| 34278 | .09 | .5 | .01 | .01 |
| 34279 | .35 | .5 | .01 | .01 |
| 34280 | .07 | .5 | .01 | .01 |
| 34281 | .09 | .5 | .01 | .01 |
| 34282 | .02 | 1.0 | .01 | .01 |
| 34283 | .02 | .5 | .01 | .01 |
| 34284 | .02 | 1.0 | .01 | .01 |
| 34285 | .02 | .5 | .01 | .01 |
| 34286 | .02 | .5 | .01 | .01 |
| 34287 | .08 | .5 | .01 | .01 |
| 34288 | .02 | .5 | .01 | .01 |

ACME ANALYTICAL LABORATORIES
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: AUG 28 1987

DATE REPORT MAILED: *Sept 4/87*

ASSAY CERTIFICATE

- SAMPLE TYPE: Core

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

GRANGES EXPLORATION PROJECT - 120 File # 87-3718 Page 1

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 41000 | .02 | .5 | .04 | .25 |
| 41001 | .02 | 6.0 | .16 | .34 |
| 41002 | .10 | 6.0 | .19 | .48 |
| 41003 | .12 | 13.0 | .36 | .31 |
| 41004 | .20 | 12.5 | .39 | .50 |
| 41005 | .10 | 28.5 | .32 | .49 |
| 41006 | .04 | 8.0 | .25 | .40 |
| 41007 | .07 | 7.0 | .24 | .65 |
| 41008 | .02 | 8.0 | .27 | .26 |
| 41009 | .02 | 5.0 | .17 | .37 |
| 41010 | .02 | 8.5 | .28 | .16 |
| 41011 | .16 | 6.5 | .27 | .36 |
| 41012 | .03 | 3.5 | .17 | .20 |
| 41013 | .02 | 6.0 | .17 | .24 |
| 41014 | .02 | 6.0 | .17 | .27 |
| 41015 | .02 | 7.5 | .21 | .46 |
| 41016 | .02 | 5.5 | .15 | .26 |
| 41017 | .02 | 4.5 | .13 | .22 |
| 41018 | .02 | 6.0 | .18 | .25 |
| 41019 | .02 | 4.0 | .16 | .34 |
| 41020 | .07 | 3.0 | .10 | .28 |
| 41021 | .02 | 2.0 | .02 | .05 |
| 41022 | .03 | 1.5 | .04 | .57 |
| 41023 | .02 | 4.5 | .11 | .24 |
| 41024 | .04 | 5.5 | .14 | .34 |
| 41025 | .06 | 4.0 | .16 | .34 |
| 41026 | .03 | 5.5 | .16 | .55 |
| 41027 | .02 | 6.5 | .16 | .40 |
| 41028 | .02 | 4.0 | .14 | .31 |
| 41029 | .04 | 2.5 | .11 | .10 |
| 41030 | .05 | 8.5 | .28 | .64 |
| 41031 | .55 | 3.0 | .06 | .25 |
| 41032 | .04 | 5.5 | .14 | .37 |
| 41033 | .02 | 3.5 | .13 | .24 |
| 41034 | .02 | .5 | .06 | .15 |
| 41035 | .02 | 4.0 | .14 | .56 |

DAV-20

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 41036 | .05 | 6.0 | .24 | .37 |
| 41037 | .30 | 4.0 | .13 | .69 |
| 41038 | .06 | 4.5 | .19 | .41 |
| 41039 | .07 | 8.0 | .33 | .49 |
| 41040 | .08 | 4.5 | .22 | .42 |
| 41041 | .28 | 12.0 | .44 | .72 |
| 41042 | .26 | 7.0 | .29 | .59 |
| 41043 | .21 | 11.5 | .39 | .47 |
| 41044 | .59 | 12.5 | .39 | .47 |
| 41045 | .58 | 21.5 | .73 | .68 |
| 41046 | .66 | 15.0 | .47 | .46 |
| 41047 | .15 | 8.0 | .22 | .41 |
| 41048 | .38 | 8.0 | .30 | .55 |
| 41049 | .08 | 3.0 | .11 | .20 |
| 41050 | .29 | 6.0 | .26 | .41 |
| 41051 | .09 | 6.0 | .19 | .40 |
| 41052 | .09 | .5 | .04 | .12 |
| 41053 | .49 | 3.5 | .13 | .32 |
| 41054 | .40 | 9.0 | .27 | .64 |
| 41055 | .18 | 9.0 | .36 | .43 |
| 41056 | .57 | 12.0 | .39 | .53 |
| 41057 | .31 | 9.5 | .29 | .38 |
| 41058 | .29 | 5.0 | .14 | .49 |
| 41059 | .11 | 7.0 | .23 | .46 |
| 41060 | .06 | 8.0 | .27 | .58 |
| 41061 | .05 | 4.5 | .18 | .48 |
| 41062 | .02 | 3.0 | .17 | .54 |
| 41063 | .02 | 6.5 | .37 | .65 |
| 41064 | .07 | 9.0 | .44 | .67 |
| 41065 | .02 | 4.5 | .28 | .68 |
| 41066 | .02 | 4.5 | .26 | .45 |
| 41067 | .04 | 3.5 | .19 | .53 |
| 41068 | .35 | 5.5 | .26 | .98 |
| 41069 | .93 | 17.5 | .89 | 1.14 |
| 41070 | .48 | 9.0 | .45 | .47 |
| 41071 | .42 | 5.0 | .33 | .26 |

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 41072 | .25 | 4.0 | .22 | .40 |
| 41073 | .11 | 6.5 | .34 | .37 |
| 41074 | .02 | 1.0 | .14 | .13 |
| 41075 | .06 | 3.0 | .32 | .45 |
| 41076 | .06 | 3.0 | .21 | .33 |
| 41077 | .12 | 3.5 | .23 | .31 |
| 41078 | .16 | 1.5 | .17 | .23 |
| 41079 | .14 | 1.0 | .10 | .16 |
| 41080 | .20 | 3.0 | .23 | .45 |
| 41081 | .09 | 4.5 | .31 | .30 |
| 41082 | .08 | 5.5 | .33 | .57 |
| 41083 | .09 | 5.5 | .28 | .45 |
| 41084 | .15 | 5.0 | .33 | .49 |
| 41085 | .13 | 9.0 | .42 | .73 |
| 41086 | .17 | 5.0 | .30 | .52 |
| 41087 | .16 | 7.5 | .41 | .62 |
| 41088 | .29 | 8.0 | .39 | .60 |

ASSAY CERTIFICATE

- SAMPLE TYPE: Core

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

GRANGES EXPLORATION PROJECT-120 File # 87-3727 Page 1

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 41089 | .02 | 2.5 | .08 | .08 |
| 41090 | .02 | 5.0 | .13 | .34 |
| 41091 | .02 | .5 | .02 | .13 |
| 41092 | .02 | .5 | .02 | .08 |
| 41093 | .02 | .5 | .01 | .06 |
| 41094 | .02 | .5 | .01 | .09 |
| 41095 | .08 | 2.5 | .06 | .29 |
| 41096 | .16 | 5.0 | .12 | .75 |
| 41097 | .12 | 3.0 | .09 | .85 |
| 41098 | .02 | 5.5 | .11 | .42 |
| 41099 | .16 | 5.5 | .17 | .06 |
| 41100 | .44 | 10.0 | .29 | .24 |
| 41101 | .02 | 2.0 | .05 | .13 |
| 41102 | .02 | 8.5 | .24 | .38 |
| 41103 | .02 | 5.5 | .19 | .15 |
| 41104 | .03 | .5 | .03 | .05 |
| 41105 | .02 | .5 | .02 | .15 |
| 41106 | .02 | 8.5 | .21 | .67 |
| 41107 | .03 | 2.0 | .08 | .19 |
| 41108 | .02 | 6.5 | .21 | .30 |
| 41109 | .02 | .5 | .02 | .16 |
| 41110 | .02 | .5 | .01 | .08 |
| 41111 | .02 | 1.0 | .01 | .05 |
| 41112 | .06 | .5 | .01 | .07 |
| 41113 | .12 | 9.5 | .28 | .87 |
| 41114 | .69 | 12.5 | .25 | 1.32 |
| 41115 | 1.51 | 4.0 | .04 | .28 |
| 41116 | 6.79 | 17.5 | .14 | .79 |
| 41117 | 2.63 | 16.5 | .15 | .18 |
| 41118 | 4.92 | 7.0 | .08 | .43 |
| 41119 | .24 | 20.0 | .56 | .76 |
| 41120 | .85 | 10.5 | .24 | .43 |
| 41121 | .16 | 2.5 | .01 | .09 |
| 41122 | 1.33 | 7.5 | .11 | .78 |
| 41123 | 1.14 | 17.5 | .18 | 1.21 |
| 41124 | .82 | 14.0 | .13 | 1.10 |

DAU-21

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 41125 | .42 | 4.5 | .03 | .82 |
| 41126 | .55 | .5 | .01 | .57 |
| 41127 | .13 | 1.0 | .01 | .57 |
| 41128 | .22 | 6.0 | .07 | .42 |
| 41129 | .26 | 7.0 | .07 | .69 |
| 41130 | .25 | 1.5 | .01 | .87 |
| 41131 | .15 | 1.5 | .02 | .62 |
| 41132 | .10 | .5 | .01 | .61 |
| 41133 | .11 | .5 | .01 | .53 |
| 41134 | .04 | .5 | .01 | .59 |
| 41135 | .04 | .5 | .01 | .65 |
| 41136 | 2.75 | 9.0 | .03 | .96 |
| 41137 | .04 | .5 | .01 | .13 |
| 41138 | .07 | 2.0 | .01 | .35 |
| 41139 | .13 | 2.5 | .01 | .59 |
| 41140 | .08 | 1.5 | .01 | .51 |
| 41141 | 2.15 | 4.5 | .04 | 1.17 |
| 41142 | .02 | 14.0 | .26 | .67 |
| 41143 | .02 | 8.0 | .13 | .63 |
| 41144 | .02 | 4.0 | .07 | .76 |
| 41145 | .68 | 3.5 | .01 | 3.67 |
| 41146 | .13 | .5 | .01 | .22 |
| 41147 | .11 | .5 | .01 | .52 |
| 41148 | .02 | 1.5 | .01 | .64 |
| 41149 | .12 | 3.0 | .01 | .59 |
| 41150 | .18 | 1.0 | .01 | .68 |
| 41151 | .06 | 3.0 | .04 | .01 |
| 41152 | .04 | 2.0 | .09 | .02 |
| 41153 | .14 | 2.0 | .08 | .01 |
| 41154 | 1.53 | 3.5 | .07 | .01 |
| 41155 | .39 | 2.0 | .07 | .01 |
| 41156 | .22 | 2.5 | .04 | .01 |
| 41157 | .11 | 1.5 | .05 | .01 |
| 41158 | .38 | 1.0 | .06 | .01 |
| 41159 | 1.30 | 3.5 | .13 | .01 |
| 41160 | .21 | 2.5 | .10 | .01 |

DAV-21

DAV-22

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 41161 | 1.12 | 2.5 | .08 | .01 |
| 41162 | .21 | .5 | .09 | .01 |
| 41163 | .39 | 1.5 | .12 | .01 |
| 41164 | .25 | .5 | .07 | .01 |
| 41165 | .22 | 3.0 | .09 | .01 |
| 41166 | .05 | 4.5 | .07 | .01 |
| 41167 | .13 | 4.0 | .04 | .01 |
| 41168 | .12 | 2.0 | .05 | .01 |
| 41169 | .04 | .5 | .07 | .01 |
| 41170 | .02 | .5 | .05 | .01 |
| 41171 | .02 | .5 | .08 | .01 |
| 41172 | .10 | .5 | .06 | .01 |
| 41173 | .12 | 1.0 | .10 | .01 |
| 41174 | .09 | .5 | .09 | .01 |
| 41175 | .03 | .5 | .06 | .01 |
| 41176 | .06 | 1.5 | .06 | .01 |
| 41177 | .10 | .5 | .10 | .01 |
| 41178 | .09 | .5 | .17 | .01 |
| 41179 | .17 | 2.0 | .08 | .01 |
| 41180 | .09 | .5 | .08 | .01 |
| 41181 | .12 | .5 | .04 | .01 |
| 41182 | .06 | .5 | .07 | .01 |
| 41183 | .12 | 5.0 | .08 | .01 |
| 41184 | .09 | 2.5 | .06 | .01 |
| 41185 | .14 | 1.5 | .17 | .01 |
| 41186 | .19 | 2.5 | .16 | .01 |
| 41187 | .59 | 6.0 | .07 | .01 |
| 41188 | .10 | .5 | .09 | .01 |
| 41189 | .13 | .5 | .14 | .01 |
| 41190 | .10 | 3.5 | .16 | .01 |
| 41191 | .08 | 4.0 | .09 | .01 |
| 41192 | .16 | 1.5 | .10 | .01 |
| 41193 | .09 | 2.0 | .06 | .05 |
| 41194 | .17 | 2.5 | .15 | .14 |
| 41195 | .16 | 3.0 | .20 | .16 |
| 41196 | .10 | .5 | .15 | .31 |

DAV-22

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 41197 | .08 | 2.5 | .07 | .06 |
| 41198 | .09 | 2.0 | .11 | .02 |
| 41199 | .02 | .5 | .06 | .05 |
| 41200 | .07 | 1.5 | .09 | .05 |
| 41201 | .02 | .5 | .06 | .01 |
| 41202 | .08 | .5 | .03 | .01 |
| 41203 | .05 | 1.0 | .06 | .01 |
| 41204 | .13 | .5 | .07 | .01 |
| 41205 | .16 | .5 | .09 | .01 |
| 41206 | .38 | 4.0 | .11 | .02 |
| 41207 | .03 | 1.5 | .11 | .03 |
| 41208 | .05 | 1.0 | .11 | .09 |
| 41209 | .02 | 2.5 | .06 | .03 |
| 41210 | .02 | 5.0 | .02 | .01 |
| 41211 | .02 | 7.5 | .36 | .34 |
| 41212 | .02 | 7.5 | .30 | .38 |
| 41213 | .20 | 1.5 | .19 | .84 |
| 41214 | .09 | 3.5 | .24 | .58 |
| 41215 | .09 | 3.0 | .10 | .32 |
| 41216 | .04 | 2.5 | .05 | .37 |
| 41217 | .13 | 2.0 | .05 | .39 |
| 41218 | .48 | 3.0 | .01 | .21 |
| 41219 | .19 | 2.0 | .01 | .13 |
| 41220 | .03 | 7.5 | .06 | .20 |
| 41221 | .39 | 1.0 | .01 | .13 |
| 41222 | .15 | 2.5 | .02 | .11 |
| 41223 | .73 | 2.5 | .03 | .11 |
| 41224 | .60 | 7.5 | .11 | .31 |
| 41225 | .10 | .5 | .01 | .29 |
| 41226 | .14 | 1.0 | .01 | .21 |
| 41227 | .03 | 1.5 | .01 | .44 |
| 41228 | .02 | 2.0 | .04 | .32 |
| 41229 | .09 | 5.0 | .17 | .40 |
| 41230 | .08 | 4.0 | .07 | .61 |
| 41231 | .09 | 3.0 | .02 | .85 |
| 41232 | .29 | 1.0 | .01 | .59 |

DAV-22

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 41233 | .38 | .5 | .01 | .41 |
| 41234 | .21 | .5 | .01 | .26 |
| 41235 | 1.84 | 3.0 | .05 | .63 |
| 41236 | .09 | 1.5 | .05 | .44 |
| 41237 | .14 | 2.0 | .03 | .27 |
| 41238 | .05 | .5 | .03 | .67 |
| 41239 | .45 | .5 | .02 | .32 |
| 41240 | .28 | 2.0 | .04 | .54 |
| 41241 | .15 | .5 | .03 | .50 |
| 41242 | 1.34 | 3.0 | .08 | .31 |
| 41243 | .23 | 13.5 | .43 | .54 |
| 41244 | .11 | 8.0 | .29 | .75 |
| 41245 | .29 | 6.0 | .17 | .39 |
| 41246 | 1.52 | 6.0 | .12 | .72 |
| 41247 | .14 | 3.0 | .05 | .33 |
| 41248 | .12 | 2.0 | .02 | .23 |
| 41249 | .08 | .5 | .03 | .32 |
| 41750 | .16 | 1.0 | .03 | .13 |
| 41751 | .33 | 3.0 | .07 | .10 |
| 41752 | .03 | 2.5 | .09 | .41 |
| 41753 | .02 | 8.0 | .22 | .46 |
| 41754 | .02 | 1.0 | .03 | .19 |
| 41755 | .04 | 2.5 | .13 | .52 |
| 41756 | .03 | 9.5 | .34 | .65 |
| 41757 | .02 | 7.5 | .28 | .39 |
| 41758 | .02 | 5.5 | .21 | .31 |
| 41759 | .14 | 1.5 | .05 | .18 |
| 41760 | .17 | .5 | .01 | .21 |
| 41761 | .02 | 2.0 | .06 | .34 |
| 41762 | .02 | 12.5 | .41 | .43 |
| 41763 | .08 | 3.5 | .11 | .12 |
| 41764 | .09 | 3.5 | .09 | .10 |

ACME ANALYTICAL LABORATORIES
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158

DATE RECEIVED: SEPT 5 1987

DATA LINE 251-1011 DATE REPORT MAILED: *Sept 17/87*

Paul

ASSAY CERTIFICATE

- SAMPLE TYPE: P1-3 CORE P4 SLUDGE

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

GRANGES EXPLORATION PROJECT-120 File # 87-3936 Page 1

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 41765 | .12 | 2.5 | .03 | .03 |
| 41766 | .24 | 1.5 | .03 | .02 |
| 41767 | .21 | 2.5 | .05 | .02 |
| 41768 | .08 | 5.5 | .06 | .03 |
| 41769 | .04 | 5.5 | .12 | .10 |
| 41770 | .09 | 1.5 | .04 | .14 |
| 41771 | .02 | 1.0 | .03 | .08 |
| 41772 | .02 | .5 | .01 | .12 |
| 41773 | .02 | .5 | .01 | .16 |
| 41774 | .02 | .5 | .01 | .07 |
| 41775 | .02 | 3.0 | .07 | .30 |
| 41776 | .06 | 2.0 | .05 | .27 |
| 41777 | .02 | .5 | .01 | .06 |
| 41778 | .04 | .5 | .01 | .22 |
| 41779 | .02 | .5 | .01 | .03 |
| 41780 | .03 | .5 | .01 | .16 |
| 41781 | .02 | 3.5 | .11 | .57 |
| 41782 | .03 | 4.0 | .08 | .72 |
| 41783 | .02 | .5 | .58 | .08 |
| 41784 | .09 | 19.0 | .55 | 1.19 |
| 41785 | .34 | 8.0 | .19 | .91 |
| 41786 | .05 | 7.0 | .22 | .55 |
| 41787 | .02 | 2.5 | .07 | .26 |
| 41788 | .04 | 4.5 | .15 | .75 |
| 41789 | .06 | .5 | .01 | .11 |
| 41790 | .10 | 6.0 | .09 | 1.02 |
| 41791 | .32 | 2.5 | .03 | .75 |
| 41792 | .87 | 6.5 | .07 | .52 |
| 41793 | 1.72 | 7.5 | .08 | 1.28 |
| 41794 | 1.14 | 4.0 | .03 | .82 |
| 41795 | .45 | 5.0 | .04 | 1.09 |
| 41796 | .24 | 3.0 | .03 | .84 |
| 41797 | .46 | 7.0 | .08 | .92 |
| 41798 | 1.33 | 2.0 | .02 | .34 |
| 41799 | 2.02 | 3.5 | .03 | .88 |
| 41800 | .61 | 4.0 | .05 | .19 |

DAV 23

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 41801 | 1.82 | 5.5 | .06 | .07 |
| 41802 | .62 | 3.0 | .03 | .08 |
| 41803 | .34 | 3.0 | .05 | .51 |
| 41804 | .15 | 3.0 | .04 | .06 |
| 41805 | .58 | 1.5 | .01 | .33 |
| 41806 | .63 | 1.0 | .02 | .82 |
| 41807 | .38 | 2.5 | .04 | .13 |
| 41808 | .15 | 2.0 | .03 | .32 |
| 41809 | .16 | 2.5 | .04 | .16 |
| 41810 | .28 | 3.0 | .04 | .56 |
| 41811 | .22 | 2.5 | .05 | .54 |
| 41812 | .35 | 7.5 | .17 | .71 |
| 41813 | .29 | 3.5 | .08 | .38 |
| 41814 | 2.16 | 5.0 | .11 | .30 |
| 41815 | .07 | 5.0 | .14 | .28 |
| 41816 | .02 | 8.5 | .22 | .71 |
| 41817 | .10 | 10.5 | .32 | .71 |
| 41818 | .10 | 2.5 | .10 | .27 |
| 41819 | 6.20 | 12.5 | .20 | .99 |
| 41820 | .50 | 13.5 | .15 | 1.65 |
| 41821 | 1.76 | 6.5 | .08 | .81 |
| 41822 | .29 | 6.0 | .07 | .55 |
| 41823 | 2.36 | 8.0 | .05 | .77 |
| 41824 | .35 | 4.0 | .03 | .53 |
| 41825 | .96 | 3.0 | .02 | .87 |
| 41826 | .29 | 3.5 | .02 | .71 |
| 41827 | .28 | 3.0 | .02 | .74 |
| 41828 | .31 | 1.0 | .02 | .79 |
| 41829 | .08 | 6.0 | .07 | .82 |
| 41830 | .02 | .5 | .01 | .04 |
| 41831 | .02 | 1.0 | .02 | .11 |
| 41832 | .02 | .5 | .01 | .08 |
| 41833 | .42 | 2.0 | .05 | .19 |
| 41834 | .02 | .5 | .01 | .07 |
| 41835 | .02 | 4.5 | .13 | .42 |
| 41836 | .02 | .5 | .03 | .09 |

DAV 23

DAV 24

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 41837 | .02 | .5 | .01 | .04 |
| 41838 | .02 | 2.5 | .08 | .14 |
| 41839 | .02 | .5 | .02 | .10 |
| 41840 | .09 | 5.0 | .14 | .23 |

DAV 24

| SAMPLE | Au gm/t |
|----------------|------------|
| DAV-19 99-111 | .09 |
| DAV-19 111-121 | .14 |
| DAV-19 125-131 | .06 |

Pa. 2 ~~10/13/87~~

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: NOV 4 1987
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE (604) 253-3158 FAX (604) 253-1716 DATE REPORT MAILED: Nov 13/87

ASSAY CERTIFICATE

- SAMPLE TYPE: Core

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

GRANGES EXPLORATION PROJECT-120 DAV-26 File # 87-5397 Page 1

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 22029X | .04 | 3.0 | .02 | .01 |
| 22030X | .11 | 2.0 | .01 | .02 |
| 22031X | .13 | .5 | .01 | .01 |
| 22032X | .09 | 1.5 | .06 | .02 |
| 22033X | .17 | 8.5 | .20 | .03 |
| 22034X | .81 | 8.5 | .03 | .01 |
| 22035X | 6.74 | 18.0 | .05 | .02 |
| 22036X | .38 | 1.0 | .02 | .01 |
| 22037X | .39 | 1.5 | .04 | .02 |
| 22038X | .17 | .5 | .05 | .01 |
| 22039X | .10 | 1.5 | .05 | .01 |
| 22040X | .16 | 1.0 | .09 | .01 |
| 22041X | .11 | 4.0 | .05 | .05 |
| 22042X | .58 | 5.0 | .01 | .01 |
| 22043X | .69 | 2.5 | .01 | .02 |
| 22044X | .24 | 3.5 | .01 | .01 |
| 22045X | 2.35 | 12.0 | .07 | .84 |
| 22046X | .05 | 3.5 | .03 | .01 |
| 22047X | .03 | 3.0 | .02 | .02 |
| 22048X | .27 | 5.5 | .06 | .04 |
| 22049X | .02 | 1.5 | .03 | .02 |
| 22050X | .25 | 1.0 | .02 | .18 |
| 22051X | .07 | 1.5 | .02 | .10 |
| 22052X | .05 | 2.5 | .01 | .13 |
| 22053X | .11 | 4.0 | .03 | .44 |
| 22054X | .23 | 5.5 | .02 | .24 |
| 22055X | .25 | 3.0 | .01 | .76 |
| 22056X | .21 | 3.5 | .01 | .47 |
| 22057X | .20 | 2.5 | .01 | .60 |
| 22058X | .12 | 2.0 | .01 | .51 |
| 22059X | .11 | 2.0 | .01 | .40 |
| 22060X | .11 | 1.5 | .01 | .44 |
| 22061X | .14 | 2.0 | .01 | .41 |
| 22062X | .12 | 1.5 | .01 | .45 |
| 22063X | .11 | 1.5 | .01 | .24 |
| 22064X | .19 | 2.5 | .01 | .53 |
| 22065X | .26 | 3.0 | .01 | .62 |

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 22066X | .17 | .5 | .01 | .49 |
| 22067X | .19 | .5 | .01 | .45 |
| 22068X | .21 | .5 | .01 | .29 |
| 22069X | .09 | 4.0 | .38 | .23 |
| 22070X | .12 | .5 | .01 | .13 |
| 22071X | .32 | .5 | .01 | .34 |
| 22072X | .13 | .5 | .01 | .46 |
| 22073X | .18 | .5 | .01 | .40 |
| 22074X | .28 | 3.0 | .01 | .27 |
| 22075X | .24 | 2.0 | .01 | .43 |
| 22076X | .37 | 1.5 | .02 | .30 |
| 22077X | .10 | 1.0 | .02 | .38 |
| 22078X | .08 | .5 | .01 | .47 |
| 22079X | .09 | 2.0 | .02 | .57 |
| 22080X | .16 | 2.5 | .02 | .37 |
| 22081X | .11 | 2.5 | .02 | .38 |
| 22082X | .10 | 8.5 | .04 | .50 |
| 22083X | .21 | 8.5 | .05 | 1.54 |
| 22084X | .15 | 1.0 | .01 | .61 |
| 22085X | .08 | 1.0 | .01 | .21 |
| 22086X | .43 | 1.5 | .02 | .56 |
| 22087X | .40 | 1.5 | .15 | .98 |
| 22088X | .22 | 1.5 | .02 | .49 |
| 22089X | .15 | .5 | .01 | .37 |
| 22090X | .64 | 1.0 | .01 | .53 |
| 22091X | .20 | 2.0 | .04 | .43 |
| 22092X | .14 | 2.5 | .04 | .47 |
| 22093X | .25 | 3.0 | .04 | .56 |
| 22094X | .22 | 6.5 | .10 | .57 |
| 22095X | .21 | 6.0 | .08 | .76 |
| 22096X | .92 | 7.5 | .11 | 1.11 |
| 22097X | .29 | 7.5 | .10 | .98 |
| 22098X | .30 | 2.5 | .03 | .71 |
| 22099X | .77 | 3.0 | .02 | .74 |
| 22100X | 1.02 | 5.5 | .18 | .52 |
| 22101X | .44 | 3.0 | .02 | .42 |
| 22102X | .33 | 2.0 | .02 | .66 |

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 22103X | .23 | 1.0 | .01 | .39 |
| 22104X | .65 | 4.5 | .02 | .79 |
| 22105X | .59 | 5.0 | .02 | .77 |
| 22106X | .34 | 4.5 | .02 | 1.24 |
| 22107X | .28 | 4.5 | .02 | .86 |
| 22108X | .36 | 1.5 | .01 | .88 |
| 22109X | 1.61 | 3.0 | .01 | .67 |
| 22110X | .25 | 3.5 | .01 | 1.04 |
| 22111X | .79 | 5.0 | .01 | 1.39 |
| 22112X | .82 | 5.5 | .01 | 1.69 |
| 22113X | .77 | 7.5 | .02 | 2.60 |
| 22114X | .75 | 8.0 | .02 | 2.12 |
| 22115X | 1.08 | 3.5 | .01 | 1.85 |
| 22116X | .13 | 5.0 | .02 | .86 |
| 22117X | .36 | 4.0 | .02 | .69 |
| 22118X | .18 | 4.0 | .02 | 1.04 |
| 22119X | .39 | 6.0 | .01 | 1.90 |
| 22120X | .62 | 2.0 | .01 | 1.23 |
| 22121X | .21 | 3.0 | .02 | 1.08 |
| 22122X | .97 | 9.0 | .06 | 1.17 |
| 22123X | .30 | 2.5 | .01 | 1.46 |
| 22124X | .04 | .5 | .01 | .76 |
| 22125X | .04 | 1.0 | .01 | 1.14 |
| 22126X | .02 | 1.0 | .01 | 1.08 |
| 22127X | .04 | 2.0 | .01 | 1.21 |
| 22128X | .02 | 1.5 | .01 | .86 |
| 22129X | .02 | 1.0 | .01 | .85 |
| 22130X | .02 | .5 | .01 | .92 |
| 22131X | .02 | 2.0 | .02 | .41 |
| 22132X | .15 | 3.5 | .02 | .54 |
| 22133X | .18 | 2.5 | .01 | 1.14 |
| 22134X | .23 | 1.0 | .01 | 1.23 |
| 22135X | .12 | 1.0 | .01 | 1.69 |
| 22136X | .16 | 2.0 | .01 | .64 |
| 22137X | .18 | .5 | .01 | .61 |
| 22138X | .24 | 1.5 | .01 | .50 |
| 22139X | .45 | 4.5 | .01 | 1.59 |

ACME ANALYTICAL LABORATORIES LTD.
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PHONE (604) 253-3158 FAX (604) 253-1716

DATE RECEIVED: NOV 9 1987

Nov. 16/87..

ASSAY CERTIFICATE

- SAMPLE TYPE: Core

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

GRANGES EXPLORATION PROJECT-120 DAV-27 File # 87-5481 Page 1

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 22140-X | .05 | 3.0 | .13 | .02 |
| 22141-X | .10 | .5 | .05 | .02 |
| 22142-X | .08 | 2.5 | .24 | .02 |
| 22143-X | .08 | 2.0 | .12 | .02 |
| 22144-X | .05 | 1.5 | .15 | .02 |
| 22145-X | .16 | 1.5 | .10 | .02 |
| 22146-X | .12 | 2.0 | .03 | .01 |
| 22147-X | .08 | 1.0 | .12 | .01 |
| 22148-X | .05 | 1.0 | .15 | .01 |
| 22149-X | .05 | 1.0 | .09 | .01 |
| 22150-X | .04 | 1.5 | .05 | .01 |
| 22151-X | .07 | 3.5 | .06 | .01 |
| 22152-X | .05 | 2.5 | .07 | .01 |
| 22153-X | .14 | 2.0 | .05 | .01 |
| 22154-X | .07 | 1.5 | .34 | .02 |
| 22155-X | .03 | 1.5 | .25 | .02 |
| 22156-X | .10 | 3.5 | .10 | .02 |
| 22157-X | .15 | 9.5 | .05 | .01 |
| 22158-X | .03 | 4.0 | .06 | .01 |
| 22159-X | .06 | 1.5 | .04 | .01 |
| 22160-X | .05 | 3.0 | .04 | .01 |
| 22161-X | .46 | 7.5 | .05 | .01 |
| 22162-X | .08 | 2.5 | .07 | .03 |
| 22163-X | .31 | 2.5 | .02 | .34 |
| 22164-X | .09 | 4.0 | .02 | .35 |
| 22165-X | .22 | 5.5 | .04 | .46 |
| 22166-X | .17 | 4.0 | .03 | .46 |
| 22167-X | .38 | 9.0 | .06 | .84 |
| 22168-X | .32 | 3.0 | .06 | .58 |
| 22169-X | .22 | 3.5 | .04 | .09 |
| 22170-X | .17 | 3.0 | .07 | .06 |
| 22171-X | .27 | 5.0 | .09 | .50 |
| 22172-X | .38 | 4.5 | .01 | .06 |
| 22173-X | .37 | 9.0 | .11 | .17 |
| 22174-X | .20 | 7.0 | .11 | .42 |
| 22175-X | .09 | 5.5 | .06 | .04 |

| SAMPLE# | AU GM/T | AB GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 22176-X | .05 | 4.0 | .09 | .15 |
| 22177-X | .26 | 6.5 | .15 | .27 |
| 22178-X | .20 | 6.0 | .18 | .27 |
| 22179-X | .13 | 6.5 | .07 | .04 |
| 22180-X | .38 | 4.5 | .09 | .05 |
| 22181-X | .65 | 4.0 | .08 | .32 |
| 22182-X | .21 | 3.0 | .05 | .37 |
| 22183-X | .07 | 1.0 | .02 | .09 |
| 22184-X | .19 | 1.5 | .03 | .15 |
| 22185-X | .14 | 2.5 | .08 | .18 |
| 22186-X | .35 | 5.5 | .11 | .34 |
| 22187-X | .28 | 3.0 | .06 | .69 |
| 22188-X | .18 | 2.0 | .04 | .25 |
| 22189-X | .04 | .5 | .03 | .11 |
| 22190-X | .02 | 2.0 | .05 | .09 |
| 22191-X | .03 | .5 | .01 | .02 |
| 22192-X | .37 | 3.5 | .12 | .12 |
| 22193-X | .02 | 3.5 | .18 | .42 |
| 22194-X | .02 | 3.5 | .17 | .35 |
| 22195-X | .05 | 10.5 | .48 | .61 |
| 22196-X | .32 | 9.0 | .50 | .49 |
| 22197-X | .02 | 6.5 | .51 | .45 |
| 22198-X | .02 | 8.0 | .45 | .42 |
| 22199-X | .06 | 9.5 | .53 | .55 |
| 22200-X | .05 | 8.0 | .45 | .63 |
| 22201-X | .09 | 11.5 | .66 | .74 |
| 22202-X | .28 | 5.5 | .32 | .42 |
| 22203-X | .02 | 6.5 | .30 | .50 |
| 22204-X | .16 | 26.0 | .83 | 1.02 |
| 22205-X | .02 | 11.5 | .53 | .61 |
| 22206-X | .07 | 3.5 | .16 | .77 |
| 22207-X | .13 | 5.0 | .12 | .83 |
| 22208-X | .02 | 1.0 | .02 | .57 |
| 22209-X | .45 | 2.5 | .05 | 1.09 |
| 22210-X | .53 | 6.5 | .18 | 1.12 |
| 22211-X | .30 | 7.0 | .12 | 1.18 |

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 22212-X | .03 | 4.0 | .07 | 1.25 |
| 22213-X | .04 | 10.5 | .17 | 1.20 |
| 22214-X | .08 | 2.5 | .05 | .82 |
| 22215-X | .06 | 3.5 | .08 | .83 |

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DATE RECEIVED: NOV 2 1987

DATE REPORT MAILED: *Nov. 18/87*

ASSAY CERTIFICATE

- SAMPLE TYPE: Core

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

GRANGES EXPLORATION PROJECT-120 DAV-25 File # 87-5416

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 22000X | .55 | 2.5 | .07 | 1.05 |
| 22001X | .32 | 8.0 | .24 | 1.04 |
| 22002X | .08 | 4.5 | .13 | .51 |
| 22003X | .11 | 14.5 | .49 | .74 |
| 22004X | .19 | 13.0 | .45 | .72 |
| 22005X | .25 | 12.5 | .44 | .72 |
| 22006X | .36 | 10.0 | .31 | .79 |
| 22007X | .27 | 3.5 | .08 | .78 |
| 22008X | .27 | 2.5 | .04 | 1.04 |
| 22009X | .23 | .5 | .01 | .13 |
| 22010X | .06 | 3.5 | .12 | .70 |
| 22011X | .03 | 2.5 | .10 | .35 |
| 22012X | .27 | 9.5 | .26 | .98 |
| 22013X | .42 | 18.5 | .69 | 1.02 |
| 22014X | .40 | 13.0 | .52 | .75 |
| 22015X | .02 | 6.5 | .24 | .49 |
| 22016X | .05 | 1.5 | .05 | .53 |
| 22017X | .03 | 3.5 | .11 | .42 |
| 22018X | .22 | 1.5 | .05 | .45 |
| 22019X | .07 | 1.5 | .04 | .20 |
| 22020X | .10 | 15.0 | .24 | 1.12 |
| 22021X | .02 | 1.5 | .02 | .20 |
| 22022X | .05 | .5 | .01 | .39 |
| 22023X | .02 | 1.0 | .02 | .23 |
| 22024X | .02 | 3.0 | .08 | .25 |
| 22025X | .03 | 1.0 | .03 | .15 |
| 22026X | .04 | 7.5 | .21 | .63 |
| 22027X | .04 | 5.5 | .16 | .63 |
| 22028X | .12 | 15.5 | .25 | .69 |

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DATE REPORT MAILED: *Nov. 25/87.*

ASSAY CERTIFICATE

- SAMPLE TYPE: Core

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

GRANGES EXPLORATION PROJECT-120 DAV-28 File # 87-5683 Page 1

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 22284-X | .02 | 4.0 | .05 | .01 |
| 22285-X | .30 | 9.5 | .03 | .01 |
| 22286-X | .02 | 6.0 | .03 | .01 |
| 22287-X | .03 | 5.5 | .03 | .01 |
| 22288-X | .04 | 8.0 | .22 | .02 |
| 22289-X | .03 | 5.5 | .20 | .03 |
| 22290-X | .02 | 5.0 | .25 | .05 |
| 22291-X | .11 | 6.5 | 1.06 | .25 |
| 22292-X | .33 | 18.5 | .65 | .27 |
| 22293-X | .08 | 17.0 | .49 | .17 |
| 22294-X | .98 | 8.5 | .61 | .26 |
| 22295-X | .16 | 13.0 | .61 | .12 |
| 22296-X | .11 | 13.5 | .37 | .22 |
| 22297-X | .09 | 10.0 | .09 | .02 |
| 22298-X | .08 | 11.0 | .06 | .01 |
| 22299-X | .03 | 6.0 | .10 | .03 |
| 22300-X | .31 | 7.5 | .30 | .16 |
| 22301-X | .14 | 9.5 | .09 | .02 |
| 22302-X | .19 | 12.0 | .22 | .04 |
| 22303-X | .12 | 6.5 | .12 | .05 |
| 22304-X | .20 | 5.5 | .50 | .19 |
| 22305-X | .19 | 11.0 | .79 | .33 |
| 22306-X | .16 | 6.5 | .43 | .22 |
| 22307-X | .12 | 2.5 | .15 | .05 |
| 22308-X | .58 | 6.0 | .28 | .44 |
| 22309-X | .44 | 10.0 | .40 | .62 |
| 22310-X | 1.13 | 32.0 | .96 | .75 |
| 22311-X | .08 | 6.0 | .25 | .17 |
| 22312-X | .08 | 3.0 | .13 | .02 |
| 22313-X | .53 | 20.5 | .72 | .56 |
| 22314-X | .45 | 13.0 | .58 | 2.05 |
| 22315-X | .58 | 7.5 | .29 | 2.99 |
| 22316-X | .27 | 8.0 | .40 | .77 |
| 22317-X | .49 | 7.0 | .45 | .61 |
| 22318-X | .75 | 7.0 | .36 | .56 |
| 22319-X | .09 | 7.0 | .35 | .45 |

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 22320-X | .64 | 16.5 | .68 | .71 |
| 22321-X | 1.03 | 9.0 | .49 | .88 |
| 22322-X | .46 | 5.0 | .36 | .77 |
| 22323-X | .18 | 5.0 | .22 | .24 |
| 22324-X | .24 | 17.0 | .47 | .59 |
| 22325-X | .10 | 21.0 | .46 | .65 |
| 22326-X | .06 | 9.0 | .21 | .69 |
| 22327-X | .10 | 6.5 | .23 | .44 |
| 22328-X | .14 | 14.5 | .63 | .78 |
| 22329-X | .15 | 12.5 | .60 | .73 |
| 22330-X | .10 | 9.0 | .41 | .52 |
| 22331-X | .19 | 6.5 | .35 | .36 |
| 22332-X | .16 | 5.5 | .27 | .37 |
| 22333-X | .09 | 5.0 | .24 | .39 |
| 22334-X | .17 | 5.0 | .37 | .46 |
| 22335-X | .06 | 3.5 | .31 | .36 |
| 22336-X | .07 | 2.5 | .26 | .29 |
| 22337-X | .07 | 3.5 | .23 | .34 |
| 22338-X | .13 | 4.5 | .31 | .44 |
| 22339-X | .07 | 5.0 | .46 | .60 |
| 22340-X | .07 | 7.0 | .51 | .72 |
| 22341-X | .08 | 5.5 | .43 | .47 |
| 22342-X | .51 | 8.5 | .46 | .88 |
| 22343-X | .26 | 7.0 | .39 | .98 |
| 22344-X | .24 | 7.0 | .37 | .67 |
| 22345-X | .04 | 6.0 | .18 | .38 |
| 22346-X | .12 | 8.0 | .25 | .47 |
| 22347-X | .17 | 5.5 | .12 | .79 |
| 22348-X | .58 | 11.5 | .34 | 1.95 |
| 22349-X | .81 | 19.0 | .36 | 1.91 |
| 22350-X | .48 | 19.0 | .39 | .91 |
| 22351-X | .13 | 6.5 | .14 | 1.37 |
| 22352-X | .44 | 2.5 | .01 | .40 |
| 22353-X | .22 | .5 | .01 | .09 |
| 22354-X | .18 | 4.5 | .01 | .03 |
| 22355-X | .14 | 1.0 | .02 | .55 |

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 22356-X | .11 | 2.0 | .02 | .37 |
| 22357-X | .12 | .5 | .01 | .01 |
| 22358-X | .09 | .5 | .01 | .02 |
| 22359-X | .41 | 3.5 | .01 | .07 |
| 22360-X | .10 | 3.0 | .12 | .27 |
| 22361-X | .51 | 6.5 | .17 | 1.89 |
| 22362-X | .09 | 1.5 | .08 | .83 |
| 22363-X | .06 | .5 | .01 | .66 |
| 22364-X | .08 | 1.0 | .02 | .52 |
| 22365-X | .13 | .5 | .01 | .48 |
| 22366-X | .15 | .5 | .01 | .40 |
| 22367-X | .21 | .5 | .01 | .40 |
| 22368-X | .24 | .5 | .01 | .53 |
| 22369-X | .26 | 1.5 | .01 | .78 |
| 22370-X | .20 | .5 | .01 | .61 |
| 22371-X | .21 | .5 | .01 | .41 |
| 22372-X | .54 | 1.0 | .01 | .56 |
| 22373-X | .16 | 1.0 | .01 | .62 |
| 22374-X | .02 | .5 | .02 | .84 |
| 22375-X | .08 | .5 | .02 | .94 |
| 22376-X | .04 | .5 | .01 | 1.23 |
| 22377-X | .02 | .5 | .01 | 1.20 |
| 22378-X | .02 | .5 | .01 | .37 |
| 22379-X | .21 | 2.0 | .01 | .42 |
| 22380-X | .42 | 3.0 | .01 | .62 |
| 22381-X | .23 | 2.5 | .01 | .54 |
| 22382-X | .44 | 1.5 | .01 | .87 |
| 22383-X | .10 | .5 | .01 | .34 |
| 22384-X | .05 | .5 | .01 | .41 |
| 22385-X | .13 | 4.0 | .01 | 1.08 |
| 22386-X | .25 | 3.0 | .01 | .66 |
| 22387-X | .56 | 4.5 | .01 | 1.76 |
| 22388-X | .09 | 2.0 | .01 | 1.21 |
| 22389-X | .27 | 2.0 | .01 | .72 |
| 22390-X | .79 | 1.0 | .01 | .86 |
| 22391-X | .12 | 2.5 | .01 | .50 |

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 22392-X | .16 | .5 | .01 | .46 |
| 22393-X | .37 | .5 | .01 | .85 |
| 22394-X | .56 | .5 | .01 | 1.16 |
| 22395-X | .26 | .5 | .01 | 1.23 |
| 22396-X | .41 | .5 | .01 | 1.37 |
| 22397-X | .27 | .5 | .01 | .95 |
| 22398-X | .55 | 14.0 | .62 | 1.93 |

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DATE RECEIVED: NOV 17 1987

DATE REPORT MAILED: *Nov. 25/87*

ASSAY CERTIFICATE

- SAMPLE TYPE: Core

ASSAYER: *D. Toyne* DEAN TOYE, CERTIFIED B.C. ASSAYER

GRANGES EXPLORATION PROJECT-120 DAV-29 File # 87-5673 Page 1

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 22398-X | .12 | 4.5 | .22 | .02 |
| 22399-X | .31 | 10.0 | .46 | .03 |
| 22400-X | .28 | 2.5 | .23 | .03 |
| 22401-X | .22 | 3.0 | .22 | .05 |
| 22402-X | .35 | 3.5 | .23 | .01 |
| 22403-X | .07 | 3.0 | .17 | .01 |
| 22404-X | .08 | 2.0 | .21 | .59 |
| 22405-X | .14 | 6.0 | .36 | .64 |
| 22406-X | .06 | .5 | .02 | .08 |
| 22407-X | 1.16 | 6.5 | .51 | .77 |
| 22408-X | .21 | 5.0 | .41 | .72 |
| 22409-X | .17 | 8.5 | .77 | .52 |
| 22410-X | .09 | 16.0 | 1.08 | .81 |
| 22411-X | .29 | 5.0 | .43 | .55 |
| 22412-X | .08 | 10.0 | .53 | .71 |
| 22413-X | .30 | 8.0 | .25 | .46 |
| 22414-X | .09 | 9.0 | .45 | .79 |
| 22415-X | .22 | 10.5 | .45 | .63 |
| 22416-X | .10 | 10.0 | .52 | .57 |
| 22417-X | .06 | 6.0 | .31 | .53 |
| 22418-X | .25 | .5 | .05 | .53 |
| 22419-X | .05 | 2.5 | .11 | .51 |
| 22420-X | .02 | 1.5 | .06 | .34 |
| 22421-X | .04 | 6.5 | .19 | .69 |
| 22422-X | .02 | 3.5 | .13 | .23 |
| 22423-X | .03 | 1.0 | .05 | .17 |
| 22424-X | .08 | 9.0 | .54 | .78 |
| 22425-X | .02 | 3.0 | .24 | .51 |
| 22426-X | .41 | 3.0 | .17 | 1.93 |
| 22427-X | .13 | 9.0 | .58 | 1.42 |
| 22428-X | .23 | 5.0 | .30 | 1.46 |
| 22429-X | .11 | 11.5 | .64 | 2.83 |
| 22430-X | .05 | 9.0 | .57 | 1.39 |
| 22431-X | .02 | 4.5 | .30 | .53 |
| 22432-X | .04 | 7.0 | .40 | 1.41 |
| 22433-X | .02 | 11.0 | .67 | .96 |

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 22434-X | .02 | 12.5 | .65 | 1.21 |
| 22435-X | .03 | 7.5 | .15 | 1.07 |
| 22436-X | .02 | 12.5 | .68 | .91 |
| 22437-X | .14 | 10.0 | .17 | 1.31 |
| 22438-X | 1.34 | .5 | .01 | 1.78 |
| 22439-X | .24 | 3.0 | .05 | 1.93 |
| 22440-X | .02 | .5 | .02 | 1.11 |
| 22441-X | .04 | .5 | .01 | .51 |
| 22442-X | .02 | .5 | .01 | .44 |
| 22443-X | .13 | 1.0 | .01 | .35 |
| 22444-X | .23 | .5 | .01 | .82 |
| 22445-X | .11 | .5 | .01 | .52 |
| 22446-X | .02 | .5 | .01 | .54 |
| 22447-X | .02 | 1.0 | .01 | .14 |
| 22448-X | .39 | 9.0 | .17 | .36 |
| 22449-X | .19 | 3.5 | .09 | .10 |
| 22450-X | 2.25 | 2.0 | .05 | .04 |
| 22451-X | 1.39 | 2.0 | .02 | .01 |
| 22452-X | .84 | 7.5 | .08 | .32 |
| 22453-X | 1.30 | 22.5 | .12 | .02 |
| 22454-X | .74 | 14.0 | .31 | .03 |
| 22455-X | .72 | 6.5 | .05 | .03 |
| 22456-X | 1.67 | 28.0 | .38 | .28 |
| 22457-X | .74 | 16.5 | .09 | .04 |
| 22458-X | 1.47 | 15.0 | .26 | .05 |
| 22459-X | 1.09 | 9.5 | .04 | .02 |
| 22460-X | .15 | 16.0 | .06 | .02 |
| 22461-X | .04 | 6.0 | .05 | .01 |

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ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: NOV 18 1987
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE (604)253-3158 FAX (604)253-1716 DATE REPORT MAILED: Dec. 2/87

ASSAY CERTIFICATE

- SAMPLE TYPE: P1-CORE P2-3 SLUDGE

ASSAYER: *D. Toyne* DEAN TOYE, CERTIFIED B.C. ASSAYER

GRANGES EXPLORATION PROJECT-120 DAV-30 File # 87-5713 Page 1

| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 20300 | .02 | .5 | .01 | .02 |
| 20301 | .04 | .5 | .01 | .04 |
| 20302 | .02 | 2.0 | .05 | .02 |
| 20303 | .02 | 2.0 | .01 | .02 |
| 20304 | .02 | 4.5 | .07 | .27 |
| 20305 | .02 | 1.5 | .02 | .05 |
| 20306 | .04 | 1.0 | .01 | .04 |
| 20307 | .02 | 1.5 | .02 | .17 |
| 20308 | .02 | 2.0 | .06 | .15 |
| 20309 | .02 | 2.5 | .02 | .06 |
| 20310 | .02 | 2.0 | .01 | .05 |
| 20311 | .02 | 1.5 | .01 | .09 |
| 20312 | .02 | .5 | .01 | .09 |
| 20313 | .02 | .5 | .01 | .06 |
| 20314 | .02 | .5 | .01 | .08 |
| 20315 | .02 | .5 | .01 | .11 |
| 20316 | .02 | 5.0 | .11 | .33 |
| 20317 | .02 | 7.0 | .15 | .53 |
| 20318 | .76 | 12.0 | .32 | .59 |
| 20319 | .21 | 8.0 | .15 | .28 |
| 20320 | .07 | 2.5 | .06 | .08 |
| 20321 | .39 | 4.5 | .13 | .28 |
| 20322 | .19 | 3.0 | .05 | .05 |
| 20323 | .14 | 3.0 | .05 | .07 |
| 20324 | .10 | 18.5 | .43 | .45 |
| 20325 | .13 | 22.5 | .51 | .68 |
| 20326 | .04 | 6.5 | .15 | .17 |
| 20327 | .06 | 2.5 | .03 | .05 |
| 20328 | .47 | 7.0 | .12 | .24 |
| 20329 | .35 | 2.5 | .05 | .10 |
| 20330 | .13 | 6.0 | .17 | .26 |
| 20331 | .02 | 2.0 | .02 | .04 |
| 20332 | .08 | 7.5 | .20 | .20 |
| 20333 | .10 | 2.0 | .02 | .07 |

| SAMPLE# | AU gm/t |
|--|------------|
| DAV- 25 ²⁶ 181-192 | .22 |
| DAV- 25 192-202 | .34 |
| DAV- 25 202-212 | .39 |
| DAV- 25 212-222 | .64 |
| DAV-26 272-282 | 1.05 |
| DAV-26 332-342 | 1.09 |
| DAV-26 342-352 | .62 |
| DAV-26 352-362 | 1.04 |
| DAV-26 362-372 | 1.57 |
| DAV-26 372-382 | 1.82 |
| DAV-26 382-392 | .76 |
| DAV-26 392-402 | 1.14 |
| DAV-26 402-412 | .78 |
| DAV-26 412-422 | 2.63 |
| DAV-26 422-432 | .19 |
| DAV-26 432-442 | .38 |
| DAV-26 452-462 | .57 |
| DAV-26 462-472 | 1.52 |
| DAV-26 472-482 | .59 |
| DAV-27 282-292 | .04 |
| DAV-27 292-302 | .02 |
| DAV-27 302-312 | .02 |
| DAV-27 312-322 | .02 |
| DAV-27 322-332 | .08 |
| DAV-27 332-342 | .05 |
| DAV-27 342-352 | .10 |
| DAV-27 352-362 | 1.06 |
| DAV-27 362-372 | 1.67 |
| DAV-27 382-392 | .51 |
| DAV-27 392-402 | .99 |
| DAV-27 402-412 | 1.75 |
| DAV-27 502-512 | .22 |
| DAV-27 512-522 | .35 |
| DAV-27 522-532 | .14 |
| DAV-28 152-162 | .55 |
| DAV-28 162-172 | .93 |

| SAMPLE# | AU gm/t |
|-------------------|------------|
| DAV-28 172-182 | .82 |
| DAV-87-28 182-192 | .47 |
| DAV-87-28 192-202 | .81 |
| DAV-87-28 202-212 | .47 |
| DAV-87-28 212-222 | .65 |
| DAV-87-28 222-232 | 2.62 |
| DAV-87-28 232-242 | .37 |
| DAV-87-28 242-252 | .52 |
| DAV-87-28 252-262 | .66 |
| DAV-87-28 332-342 | .85 |
| DAV-87-28 342-352 | .95 |
| DAV-87-28 352-362 | .61 |
| DAV-87-28 362-372 | .86 |
| DAV-87-28 372-382 | .32 |
| DAV-87-28 382-392 | .48 |
| DAV-87-28 392-402 | .69 |
| DAV-87-28 402-412 | .62 |

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PHONE (604) 253-3158 FAX (604) 253-1716 DATE REPORT MAILED: Dec. 2/87

ASSAY CERTIFICATE

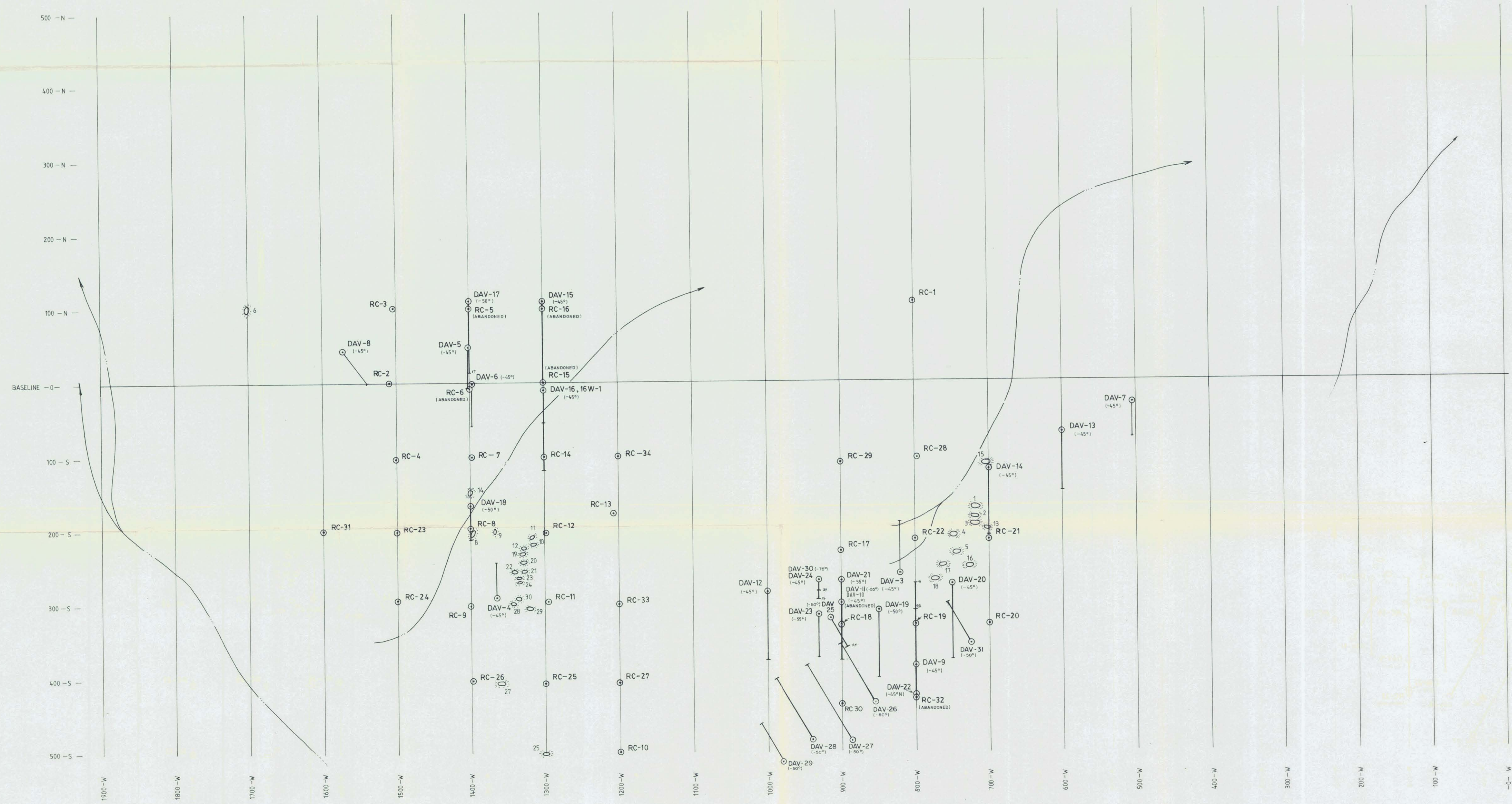
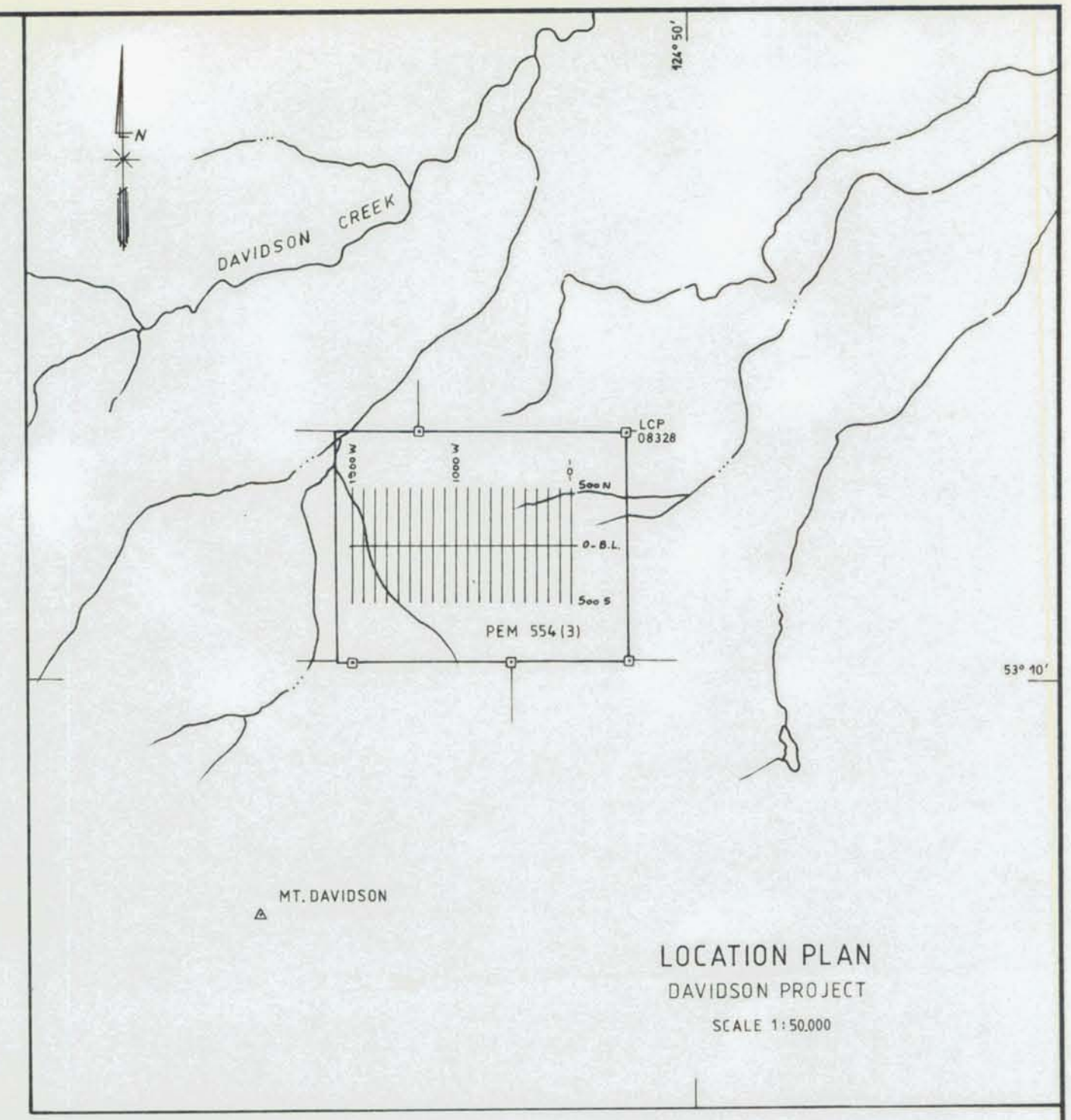
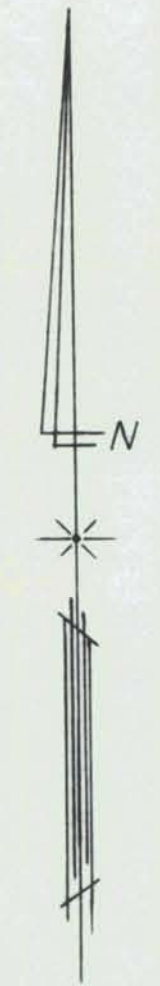
- SAMPLE TYPE: P1-CORE P2-SLUDGE

ASSAYER: .. *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

GRANGES EXPLORATION PROJECT-120 DAV-31 File # 87-5831 Page 1

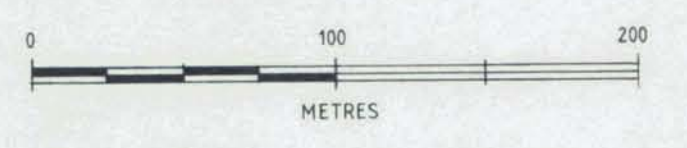
| SAMPLE# | AU GM/T | AG GM/T | PB % | ZN % |
|---------|------------|------------|---------|---------|
| 20334X | .12 | 6.0 | .29 | .02 |
| 20335X | .12 | 5.5 | .30 | .01 |
| 20336X | .11 | 5.0 | .24 | .02 |
| 20337X | .14 | 3.5 | .27 | .02 |
| 20338X | .11 | 5.5 | .11 | .05 |
| 20339X | .10 | 7.0 | .19 | .05 |
| 20340X | .57 | 6.5 | .32 | .04 |
| 20341X | .10 | 5.5 | .09 | .02 |
| 20342X | .10 | 2.5 | .08 | .02 |
| 20343X | .18 | 8.0 | .29 | .11 |
| 20344X | .11 | 5.0 | .11 | .02 |
| 20345X | .70 | 12.5 | .29 | .10 |
| 20346X | .86 | 15.0 | .23 | .02 |
| 20347X | .97 | 4.5 | .41 | .11 |
| 20348X | .10 | 15.5 | 1.14 | .22 |
| 20349X | .06 | 18.5 | .28 | .16 |
| 20350X | .10 | 21.5 | .13 | .03 |
| 20351X | .03 | 9.0 | .06 | .02 |
| 20352X | .12 | 22.5 | .24 | .07 |
| 20353X | .05 | 7.0 | .71 | .25 |
| 20354X | .07 | 10.0 | 1.22 | .22 |
| 20355X | .11 | 8.0 | .63 | .20 |
| 20356X | .16 | 7.5 | .24 | .12 |
| 20357X | .12 | 10.5 | .27 | .14 |
| 20358X | .04 | 4.0 | .17 | .11 |
| 20359X | .02 | 5.0 | .18 | .41 |
| 20360X | .02 | 5.5 | .20 | .48 |
| 20361X | .03 | 5.5 | .18 | .48 |
| 20362X | .02 | 5.0 | .17 | .12 |
| 20363X | .02 | .5 | .04 | .25 |
| 20364X | .02 | .5 | .02 | .16 |
| 20365X | .02 | 4.0 | .12 | .22 |
| 20366X | .02 | 1.5 | .04 | .19 |
| 20367X | .02 | 2.0 | .06 | .25 |
| 20368X | .04 | 1.0 | .04 | .25 |

| SAMPLE# | | AU gm/t |
|-----------|---------|------------|
| DAV-87-29 | 117-122 | .81 |
| DAV-87-30 | 93-103 | .29 |
| DAV-87-30 | 103-113 | .05 |
| DAV-87-30 | 133-143 | .55 |
| DAV-87-30 | 163-173 | .45 |
| DAV-87-30 | 173-183 | .36 |
| DAV-87-30 | 183-193 | .21 |
| DAV-87-30 | 193-203 | .15 |



GEOLOGICAL BRANCH
ASSESSMENT REPORT
17,032

- LEGEND**
- DAV-5 DIAMOND DRILL HOLE
 - RC-2 REVERSED CIRCULATION HOLE
 - ⊙ 20 TRENCH



| | | | |
|-----------------|--|---|--|
| DRAWN BY: P.V. | GRANGES EXPLORATION LTD. VANCOUVER, B.C. | DRILL HOLE LOCATION PLAN DAVIDSON PROJECT PEM CLAIMS 554(3) MT. DAVIDSON AREA, ONENICA M.D., B.C. | SCALE: 1:2500 |
| DATE: JUNE 1987 | | | PROJECT No.: 120 N.T.S. No.: 93 F / 2 |