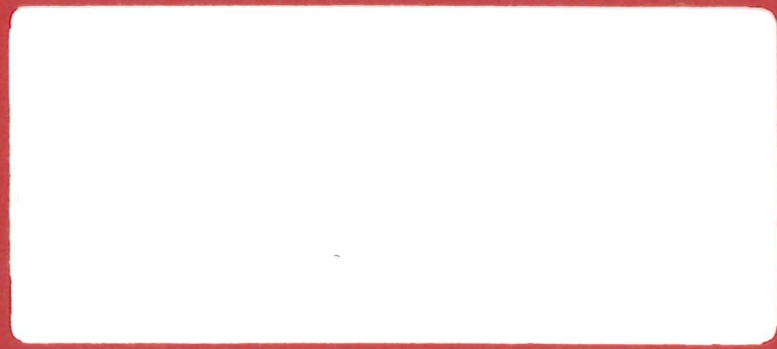


DISTRICT	Rosebud
DIST_NO	4010
COUNTY	Pershing
If different from written on document	
TITLE	1990 Annual Progress Report,
If not obvious	Rosebud Project, Pershing
	County, Nevada,
AUTHOR	Brewer, N. See list on p28
DATE OF DOC(S)	1991
MULTI_DIST Y / N?	
Additional Dist. Nos:	
QUAD_NAME	Sulphur 7 1/2
P_M_C_NAME	Rosebud Mine; Lac Minerals (USA) Inc.; Chance;
(mine, claim & company names)	Rosebud Project; Degeestrom; Dreamland; Oscar;
	East Dreamland; North Equinox; North Rosebud Peak;
	Short Slot; South Ridge; Valley; White Alps;
	Wild Rose
COMMODITY	gold; silver
If not obvious	
NOTES	Project report; drill hole summaries; assays;
	geology; reserves, drill hole location map;
	cross section; property map
	NOTE: Scan dividers
	60 p.

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**1990 ANNUAL PROGRESS REPORT**

**ROSEBUD PROJECT**

**PERSHING COUNTY, NEVADA**

N. H. Brewer  
LAC Minerals (USA), Inc.  
March 1991



**LAC**

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**1990 ANNUAL PROGRESS REPORT  
ROSEBUD PROJECT  
PERSHING COUNTY, NEVADA**

**I. Summary:**

The Rosebud Project, is located in northern Pershing County, Nevada, and consists of an 8,400 acre claim block covering numerous volcanic-hosted epithermal gold-silver prospects (Figure 1).

In 1989, LAC discovered significant high grade gold mineralization in its third drill hole at Dozer Hill. By year-end 38 holes had delineated a northeast trending high grade mineralized zone some 700 feet long, open to the north. Six other target areas were also drilled for a project total of 28,866 feet in 56 holes.

The 1990 exploration program continued with initial step-out drilling along the trend at Dozer Hill. The first hole of the year, RL-57, was collared 150 feet northeast of the final 1989 intercept, and intersected 130 feet grading 0.216 opt Au, including 35 feet of 0.714 opt Au. With the trend confirmed, definition drilling continued on the Dozer Hill deposit as well as on seven other target areas on the property.

A total of 86,332 feet were drilled in 111 rotary and core holes during the year, bringing LAC's project totals to 115,198 feet in 167 holes. About 75% of this footage (85,241') has been drilled in 112 holes on the Dozer Hill deposit which is now 2,000 feet long, and averages 300 feet wide and 40 feet thick (Figure 6).

A sectional geologic resource was estimated for the Dozer Hill zone using nominal cut-offs of 0.02 and 0.05 opt Au. Results are as follows:

CUT-OFF AU OPT	CATEGORY	TONS	AU OPT	AU OUNCES	AU OPT (CUT) *	OUNCES (CUT) *
0.02	Probable	4,088,017	0.117	477,580	0.105	429,631
0.02	Possible	1,102,786	0.147	162,351	0.133	146,563
<b>TOTALS:</b>		<b>5,190,803</b>	<b>0.123</b>	<b>639,931</b>	<b>0.111</b>	<b>576,194</b>
0.05	Probable	1,591,720	0.236	375,388	0.210	333,942
0.05	Possible	676,659	0.220	148,721	0.194	131,250
<b>TOTALS:</b>		<b>2,268,379</b>	<b>0.231</b>	<b>524,109</b>	<b>0.206</b>	<b>465,192</b>

(\* = High grades cut to 1.0 opt Au)

As currently outlined, about 55% of this resource is located on ground controlled by the LAC-Equinox Joint Venture and the remainder is on claims 100% owned by LAC.

A kriged reserve study indicates similar total contained ounces at each cut-off but the stripping ratio is too excessive for an economic open pit. A preliminary undiluted "underground mineable" reserve estimate using the higher cut-off is:

TONS	AU OPT	AU OZS.	AU OPT (CUT)*	AU OZS. (CUT)*	AG OPT	AG OZS.
1,245,350	0.284	354,000	0.248	308,800	3.20	3,985,200

\* High grade Au assays cut to 1.0 opt.

The resource is still open in several areas and current drill hole spacing is insufficient to condemn some internal portions of the trend especially in vicinity of RL-159C which intersected 170 feet grading 0.559 opt Au. Encouraging drill intercepts in RL-131C, 142, and especially RL-145 (45 feet of 0.202 opt Au) located southeast of the main trend could represent a mineralized cross-structure or perhaps a separate parallel ore zone.

Preliminary metallurgical tests on four core composites show that acceptable mill recoveries (85-90%) can be expected from the various ore types at Dozer Hill using conventional cyanidation processes.

Exploration drilling on other targets in 1990 resulted in a significant discovery on the Chance Target where the first hole intersected 160 feet averaging 0.043 opt Au. Only one of the subsequent eight holes encountered similar mineralization but good potential remains untested under gravel cover to the west.

Based on the similarities of the Dozer Hill occurrence to several other targets, a better understanding of the exploration model has recently evolved for the Rosebud District. Re-evaluation of the other prospect areas is ongoing and at least four of these have become high priority drill targets for 1991.

Beacon Hill Consultants, Ltd. is currently conducting a pre-feasibility study of a possible underground mine scenario at Dozer Hill. Their report is expected on March 15th, and will include a preliminary reserve audit, conceptual mine plan, and a financial analysis.

Approval of the proposed 1991 program is contingent on the outcome of this study. The current proposed budget is \$1,200,000 (\$1,000,000 Net to LAC) to complete 30,000 feet of rotary and 15,000 feet of core drilling. The primary objectives will be:

1. increase the "probable" inventory at Dozer Hill to at least 2,000,000 tons at an average grade of 0.25 opt Au.
2. discover significant high grade mineralization in at least one other target area on the property.



## II. Introduction

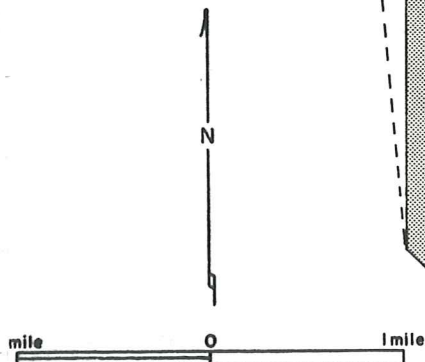
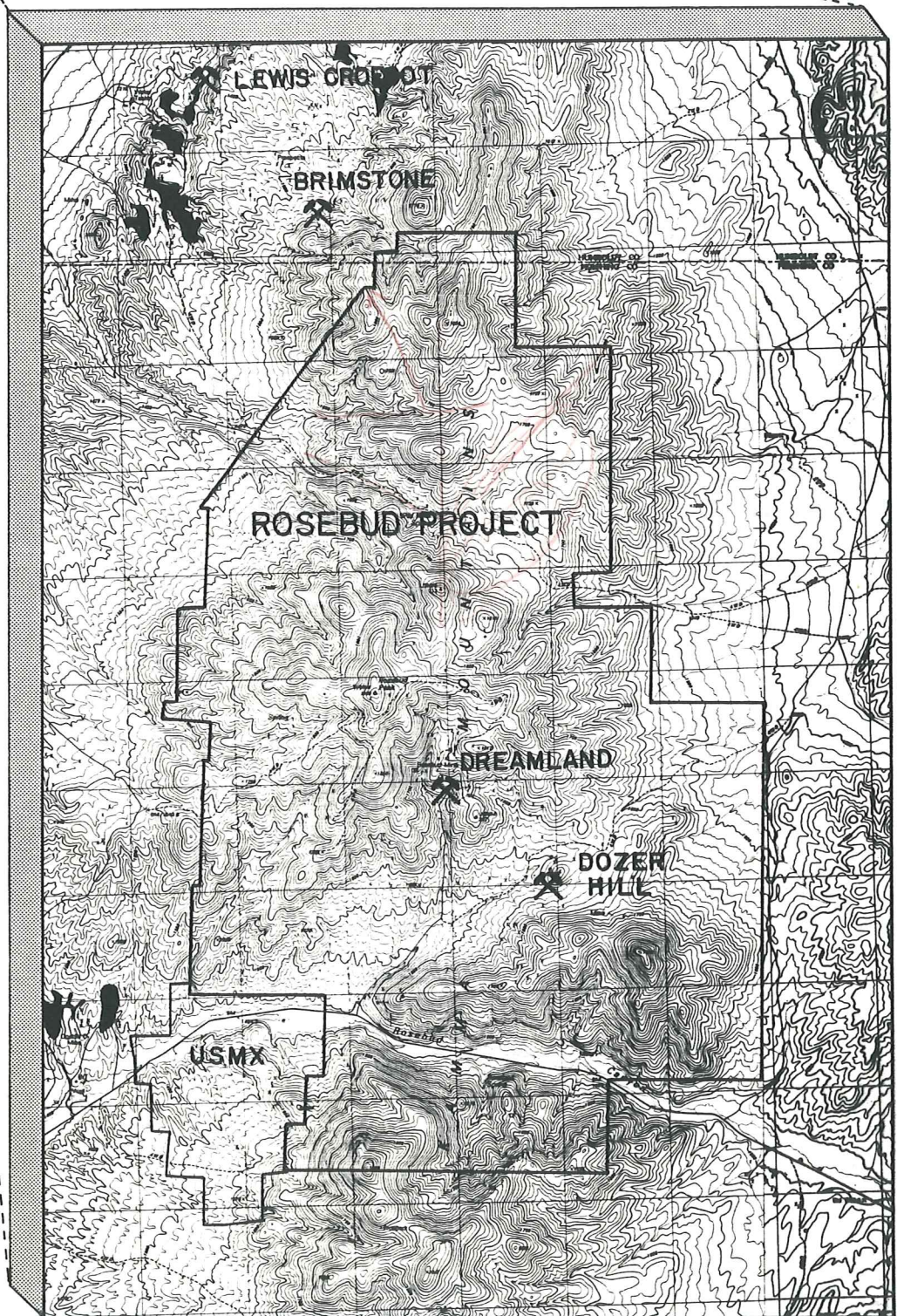
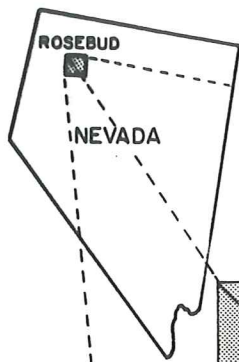
The Rosebud Project is located in the northern Kamma Mountains, approximately 50 miles north of Lovelock, Pershing County, Nevada (Figure 1). The property covers at least 14 epithermal gold-silver prospects hosted in felsic to intermediate Miocene volcanics.

LAC's involvement in the property resulted from a regional reconnaissance program initiated by R.E. Bennett in 1987. Through various agreements and claim staking since 1988, LAC has been able to consolidate a sizable land position covering most of the prospective ground in the area. Following is a brief history of activity in the Rosebud District:

**Table 1. Rosebud History**

1906 - 1947	Discovery and intermittent production from the Dreamland, Lucky Boy and Brown Palace mines. Recorded district production was 3,700 ozs Au and 116,000 ozs Ag.
Late 70's - Early 80's	Homestake and Asarco exploration. Asarco drilled 4 shallow holes in 1984 in the East Dreamland area. Best intercept was reported to be ~60 feet of 0.05 opt Au.
1984	Equinox Resources staked RB and Wild claims.
1985 - 1986	Freeport acquired land position including Equinox claims and completed 22 holes (9,995'). Best intercept was 30 feet of 0.098 opt Au (RB-9) in the East Dreamland area.
1987	Degerstrom staked GP claims. LAC began reconnaissance in the Kamma Mountains.
1988	LAC optioned Equinox, Degerstrom, Johnson (Dreamland), Bland/Peterson (White Alps-Lucky Boy) claims and began staking Bud claims. Exploration work included mapping, sampling, IP/R surveys, and regional airborne magnetics.
1989	Initial drilling program began in April. LAC's third hole, RL-3, intersected 55 feet of 0.119 opt Au southwest of Dozer Hill. Ongoing target development included detailed mapping, soil sampling, ground magnetics and VLF. Total 1989 drilling: 28,866 feet in 56 holes on 6 target areas.





LOCATION MAP

FIGURE 1.



1990	Continued drilling: 86,332 feet in 111 holes at Dozer Hill and 7 other targets. Geologic resource of +500,000 ozs Au outlined at Dozer Hill. First hole at Chance, RL-113, intersected 160 feet of 0.043 opt Au. Other work included preliminary metallurgical tests, petrography and probe studies, additional ground mag, IP/R, and detailed mapping and sampling.
------	--

Drilling in 1990 consisted of both reverse circulation rotary and core drilling. Direct drilling costs averaged \$10.30/foot RC and \$19.16/foot core. Following is a breakdown of the drilling by target area:

<u>Target Area</u>	<u>Total Holes</u>	<u>Footage</u>
Dozer Hill	74	64,410*
Chance	9	5,580
E. Dreamland	8	2,705
Valley	6	4,737
N. Equinox	4	2,660
Wild Rose	4	2,040
White Alps	4	3,000
Degerstrom	2	1,200
=====	=====	=====
Totals:	111	86,332

\* Includes 42,789 feet of core

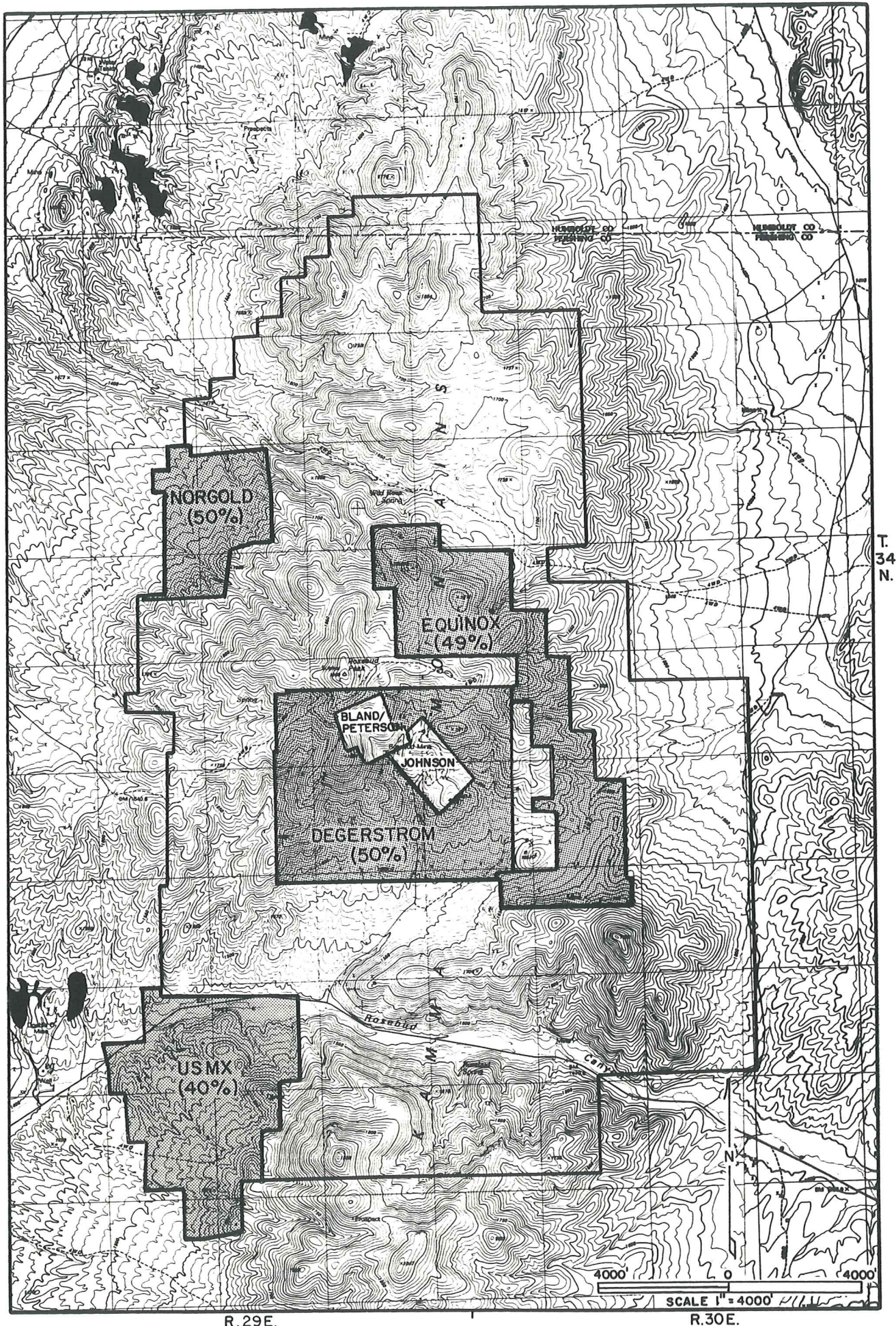
Total 1990 project expenditures amount to \$2,117,627. The approved 1990 budget including two supplemental AFE's was \$2,113,000. Net-To-LAC expenditures were \$1,868,473 after JV reimbursements of \$200,000 from Equinox and \$49,154 from Norgold. Since 1988, approximately \$3,294,627 (\$3,045,473 Net-To-LAC) has been spent on the Rosebud Project.

### III. Property Status

The Rosebud Property did not change in size substantially during 1990. The total claim block consists of 10 claim groups, 500 unpatented claims, and 3 patented claims covering approximately 8,400 acres on B.L.M. land (Figure 2). Important developments with respect to the various owners or agreements are summarized below.

Equinox: LAC vested with 51% in the JV by July, 1990. Actual expenditures exceeded the earn-in requirement of \$700,000 by approximately \$105,000. Equinox agreed to share \$65,000 of this over-run as an acceptable JV expense. The first JV work plan budget of \$364,000 was approved in August. Actual Plan 1 expenditures (thru January 31, 1991) were about \$315,000. Equinox has made cash contributions of \$200,000 to date. This gives them a credit of \$13,800 which will be applied to their share of the next work plan, approved at \$408,000.





R.29E.

R.30E.

# ROSEBUD PROJECT-CLAIM STATUS

FIGURE 2.

100% LAC

PARTIAL INTEREST  
(51-60%)



Degerstrom: 1990 expenditures incurred on Degerstrom's GP claims amount to \$258,004. This brings the total LAC expenditures to \$418,542 since the effective date of the agreement, October 28, 1988. The earn-in requirement for 50% is \$500,000 in 4 years.

Norgold: In order to settle a claim conflict between 13 Chance lodes and 12 SS lodes, a 50/50 joint exploration agreement was signed with Norgold Resources on August 15, 1990. This agreement called for a jointly funded expenditure of up to \$100,000 to evaluate the E. Chance area in late 1990. As part of the agreement 2 additional claims, WH 1 and 2, were staked to cover an open fraction and included in the JV area.

Total expenditures amounted to \$98,307. Along with the final report submitted to Norgold on February 13, 1991 (Brewer 1991a), LAC declared its intention to form a joint venture. The minimum work commitment for 1991 is \$50,000 to be funded entirely by LAC.

Under the agreement, LAC has a first right of refusal on Norgold's West Chance claims until August 15, 1991. In February, 1991, Bema Gold announced its intention to acquire Norgold Resources.

USMX: In August, 1990, LAC signed a Letter of Intent to lease the Oscar Property from USMX. This property consists of 35 claims adjacent to the southwest boundary of the Rosebud claim block. In anticipation of a signed agreement, LAC spent \$59,360 evaluating the claims in late 1990. To date, negotiations are still proceeding and a final agreement is expected this spring.

Johnson: The option agreement with Johnson on his 4 Dreamland claims was due to expire in July 1991, requiring an \$82,000 purchase payment. This agreement was renegotiated in January, allowing LAC to extend the option period for two more years for higher annual payments of \$10,000. The buy-out price will remain the same.

#### **IV. Geology And Mineralization**

The Rosebud property is underlain by Miocene age volcanics which host numerous structurally-controlled epithermal gold-silver prospects (Figure 3). The volcanic stratigraphy consists of a thick series of fine-grained siliceous tuffs intercalated with medium to coarse fragmental units of similar composition and a distinctive marker unit of bedded clay-rich pyroclastic and epiclastic rocks. In the Dozer Hill area, black carbonaceous metasediments of Jurassic-Triassic age have been drilled below the volcanics. Tertiary gravels derived both from the basement and Tertiary volcanic rocks occur locally along the flanks of the Kamma Mountains.



R. 29 E.

R. 30 E.

HYCROFT  
MINE

# ROSEBUD PROJECT

PERSHING AND HUMBOLDT CO., NV.

TARGET AREAS

ROSEBUD

WILD ROSE

CHANCE

NORTH  
ROSEBUD  
PEAK

NORTH EQUINOX

SHORT SHOT

DREAMLAND

WHITE ALPS

EAST DREAMLAND

DEGERSTROM

DOZER HILL

VALLEY

OSCAR

SOUTH RIDGE

FIGURE 3.

- MAJOR FAULT ZONES
- TARGET AREAS, CURRENT DRILLING
- LAND BOUNDARY

SCALE 1" = 4000'

R. 29 E.

R. 30 E.

T. 34 N.



Extensional tectonics have tilted and dissected the range creating a complex pattern of low-angle and high-angle faults. Most of these structures display apparent left-lateral, oblique-slip movement. The most prominent of these structures is the Rosebud Shear Zone which trends N60E across the southern portion of the property and appears to have at least 2000 feet of left-lateral and 500 feet of normal (north side down) displacement.

At a prospect scale, low-angle structures are the most important control for significant mineralization. Figure 4 illustrates the currently favored exploration model. Based on the occurrences at Dozer Hill, Dreamland, and Wild Rose, gold-silver mineralization appears to favor the immediate fractured and brecciated hanging wall of a low-angle structure ( $\leq 45$  degrees), or within the structure itself. Below these structures alteration and mineralization generally dies out quickly except for local narrow and sometimes ore-grade footwall cracks (e.g. South Ridge and East Dreamland). High level expressions of the system include weakly anomalous to barren dense chalcedonic breccias, banded chalcedony veins and "angel wing" silica after calcite. Examples of this are the White Alps knob, North Rosebud Peak, North Equinox structure (Hill 212), and silicified outcrops along the South Ridge and Degerstrom faults.

Host rocks can be any of the fine grained siliceous units with good cracking characteristics such as the Chocolate Tuff at Dreamland, Lower Bud Tuff at Dozer Hill, or the Wild Rose Tuff and Pyroclastics at Wild Rose and Chance. The only obvious poor hosts are bedded Bud lithic lapilli tuff and Badger debris flow breccias. However, the presence of these less permeable lithologies above a favorable structural setting may have enhanced the intensity of alteration and gold grades by acting as an "aquaclude" in some places.

The mineralization at Dozer Hill is mainly confined to the Lower Bud Tuff (LBT) in the hanging wall of the north-dipping low-angle South Ridge Fault (Figure 5). Table 2 summarizes the stratigraphic section as seen in the Dozer Hill area.

The ore is characterized by a crude stockwork of quartz, calcite, clay, pyrite and sulfosalt-bearing veinlets cross-cutting variably bleached and clay-altered (sericitized) tuffs. Gold and silver minerals including electrum, aurian silver, and silver-bearing selenides and sulfosalts are confined to narrow discontinuous veinlets which are generally less than a centimeter in width. One of these selectively assayed from RL-159C contained in excess of 6.0 opt Au and 9.9 opt Ag. Samples of unveined wall rock generally contain little or no precious metals values.



# ROSEBUD EPITHERMAL SYSTEM SCHEMATIC MODEL

TARGET LEVEL  
OF EXPOSURE

WHITE ALPS

NORTH ROSEBUD  
PEAK

OSCAR ?

NORTH EQUINOX

DOZER HILL

DEGERSTROM

SHORT SHOT ?

DREAMLAND

WILD ROSE

EAST DREAMLAND

SOUTH RIDGE

Chalcedonic hydrothermal breccia  
veins  $\pm$  banded chalcedony; "angel-  
wing" calcite, alunite and kaolinite  
(Sb, Ag, Se,  $\pm$  As, Hg, Cu, Tl and Au)

Bleached, argillized and/or sericitized  
wall rock  $\pm$  patchy diss and vein pyrite

Narrow high-angle drusy quartz-pyrite  
veins and variably silicified breccias  
 $\pm$  BaSO<sub>4</sub>

Moderately silicified hanging wall stockwork  
and breccia  $\pm$  Ag, Se, Cu, As, Hg and Sb  
veining; drusy quartz-sulfide; calcite-  
sulfosalt-selenides and electrum; kaolinite  
veins

Controlling "Flat Fault"  
Argillized, calcite-rich  
and/or silicified fault  
breccia

Footwall vein structures  
Narrow alteration envelopes

0

1000'

2000'

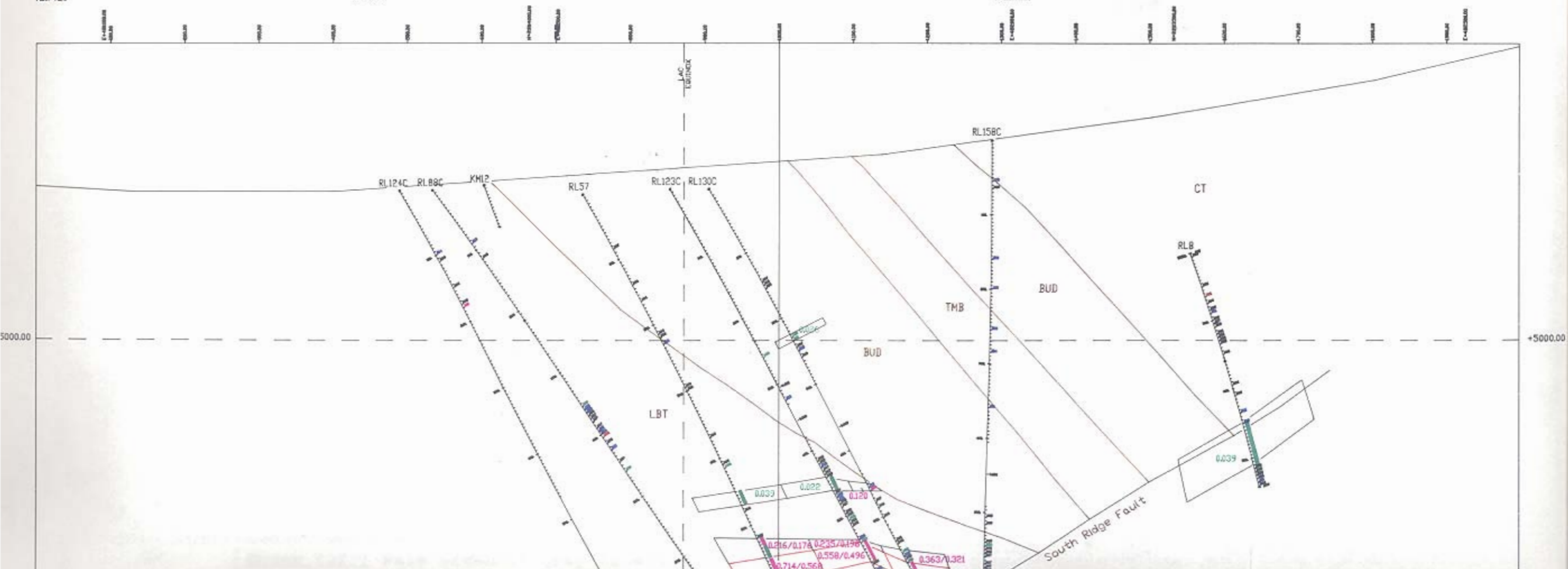
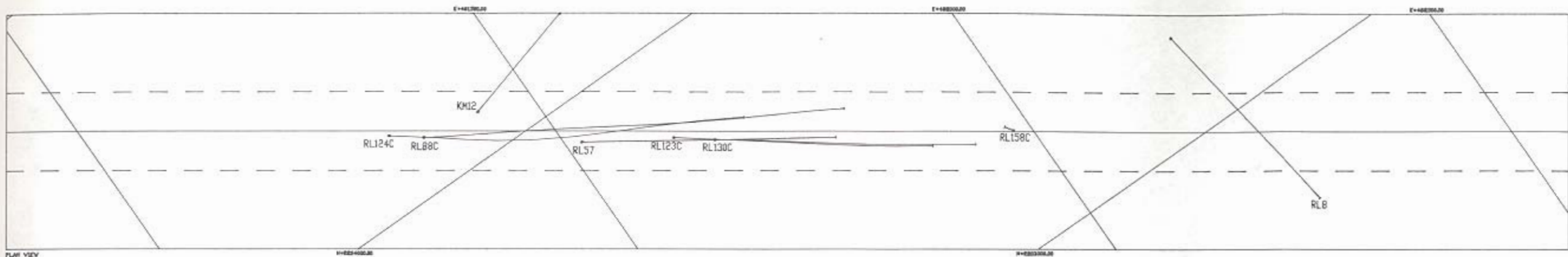
Figure 4.

1/3/91  
N.H. Brewer  
J.A.M.



The following two pages are really one page (Figure 5) you will need to tape them together if need be.







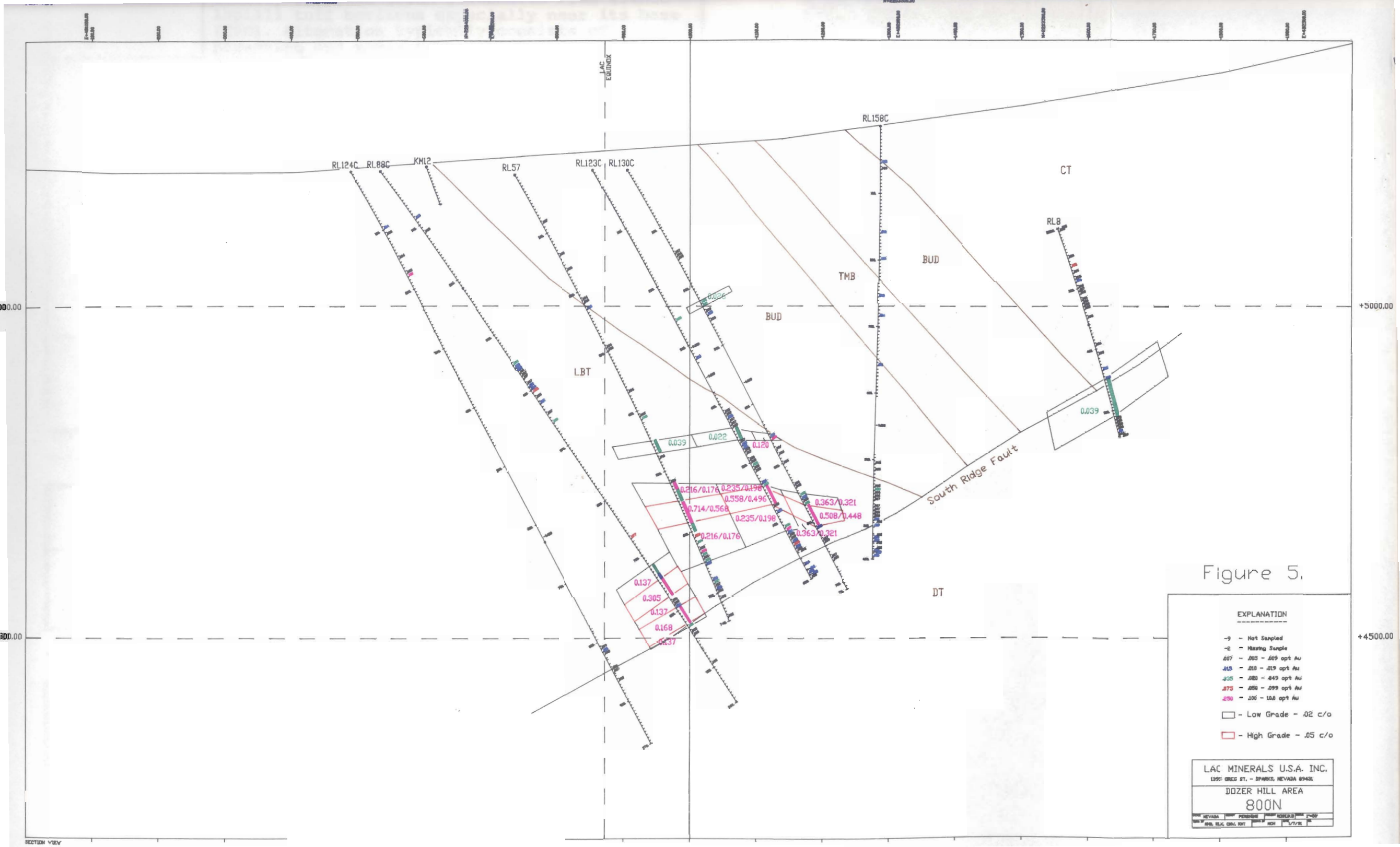


Figure 5.



**Table 2. Stratigraphic Column - Dozer Hill Area, Rosebud Project**

Abbreviation	Description
CT	<u>Chocolate Tuff</u> : Maroon and grey moderately welded fine grained sanidine-bearing tuff, lithic tuff and volcanic breccia (CIC,TCP). Locally includes green glauconite-rich lithic lapilli tuff horizons especially near its base (C2C). Alteration typically consists of bleaching and moderate to strong argillization.
BUD	<u>Bud Breccia</u> :  Upper Bud - Green to locally brown crudely bedded, poorly sorted lithic lapilli tuff and volcanic breccia. Variably glauconitic. Bleached when altered.  TMB - Grey to locally brown fine-grained porphyritic tuff marker bed. Contains 3-5% euhedral feldspar phenocrysts (up to 3mm) which are commonly replaced by clay or pyrite when altered.  Lower Bud - Usually green well bedded lithic lapilli tuff and epiclastic rocks with abundant green glauconite.
LBT	<u>Lower Bud Tuff</u> : Red-brown (RBUR), tan and grey lithic tuff and fine-grained to banded tuff. When mineralized, it is typically bleached and argillized with a distinctive flesh and/or pale green grey appearance.

~~~~~South Ridge Fault~~~~~

|       |                                                                                                                                                                                  |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DT    | <u>Dozer Tuff</u> : Pale Green to grey fine-grained densely welded tuff. Lacks visible phenocrysts, Bleached when altered.                                                       |
| TRANS | <u>Transitional Sediments</u> : Locally occurring basal Tertiary sediments composed of thinly bedded grey to black siltstone and sandstone derived from Mesozoic basement rocks. |

~~~~~Unconformity~~~~~

|     |  |
|-----|--|
| JTR | <u>Jurassic-Triassic Metasediments</u> : Black carbonaceous phyllite and argillite with common metamorphic quartz veins and local thin felsic dikes. |
|-----|--|



As currently defined, the deposit has a roughly tabular geometry which is 1800 to 2000 feet long, and averages 300 feet wide and 40 feet thick (Figure 6). The mineralized zone gently plunges at about 20 to 25 degrees from southwest to northeast along a N35E axis oblique to the dip of the South Ridge Fault (Figure 7). At the southwestern end, the top of significant grade is within 200 feet of the surface and, at the northeastern end, it is about 900 feet deep.

The tabular geometry itself gradually changes from being largely concordant with the enclosing host rocks at the southwestern end (15-20 degrees SE apparent dip) to conforming to the dip of the controlling low-angle fault northeast of about Section 400N (25 degree NW apparent dip).

High angle mineralized structures are present especially in the hanging wall to the deposit but these appear to be narrow and discontinuous in grade. Most of the gold-bearing structures in outcrop at Dozer Hill trend N25-45E and dip 65 to 85 degrees NW. Steeply dipping feeder structures are suspected below the deposit but none have yet been recognized. The presence of east-west cross structures is suggested by grade-thickness contours, ground magnetics data and the anomalously thick ore intercept in RL-159C.

Based on a statistical analysis of trace element geochemistry from Dozer Hill drill pulps, ore-grade Au values show closest correlation to Cu, Hg, Se, Ag, As, and Sb, in that order. Highest peripheral trace element correlations are Sb, Ag, Se,  $\pm$ Cu, Hg, As, Tl and Au. Quantifiable zonation is unclear except that low gold values on the surface do not preclude significant grades at depth.

## **V. Results of the 1990 Program**

### **A. Dozer Hill:**

The 1990 exploration program focussed primarily on continued drilling in the Dozer Hill area which outlined a significant geologic resource of high grade gold-silver mineralization. During 1990, a total of 74 core and reverse circulation holes totalling 64,410 feet were completed on the Dozer Hill Target. Drill hole locations are shown on Figure 6. Significant intercepts for all holes including Freeport's drilling and LAC's 1989 program are listed in Appendices 1, 2, and 3.

The initial drill hole in 1990, RL-57, intersected 130 feet grading 0.216 opt Au including 35 feet averaging 0.714 opt Au. This hole confirmed the northeast trend of high grade mineralization defined in late 1989. Subsequent drilling has delineated a potentially economic gold-silver resource (Figure 6).

The resource is still open in several areas and current drill hole spacing is insufficient to condemn some internal portions of the



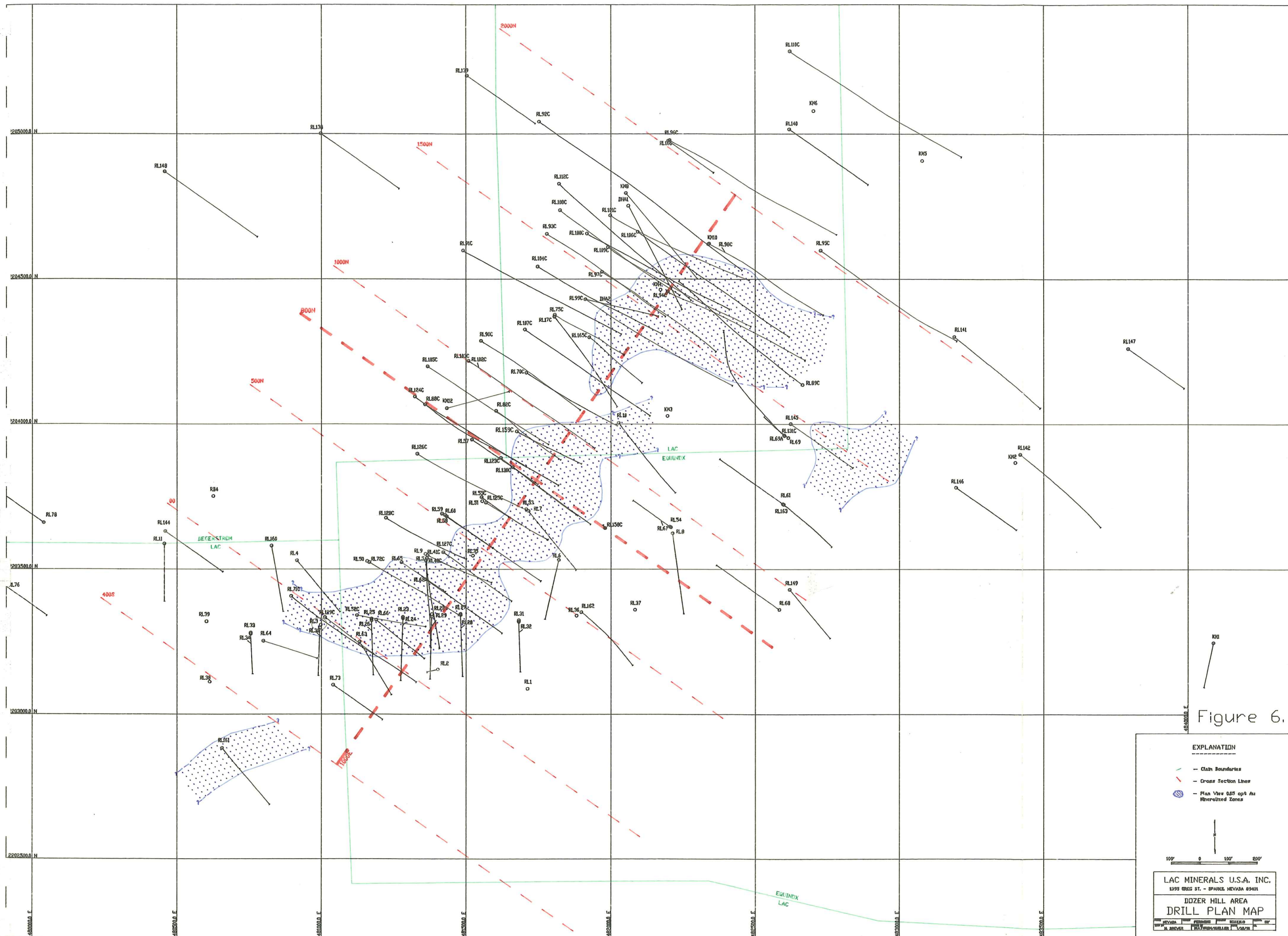


Figure 6.

**EXPLANATION**

- Chain Boundaries
- - - Cross Section Lines
- Plan View 0.25 opt Au Mineralized Zones

100' 0 100' 200'

LAC MINERALS U.S.A. INC.  
1395 BRIDGE ST. - SPARKS, NEVADA 89401

DOZER HILL AREA  
DRILL PLAN MAP

DATE: 10/1/91 BY: [Signature]



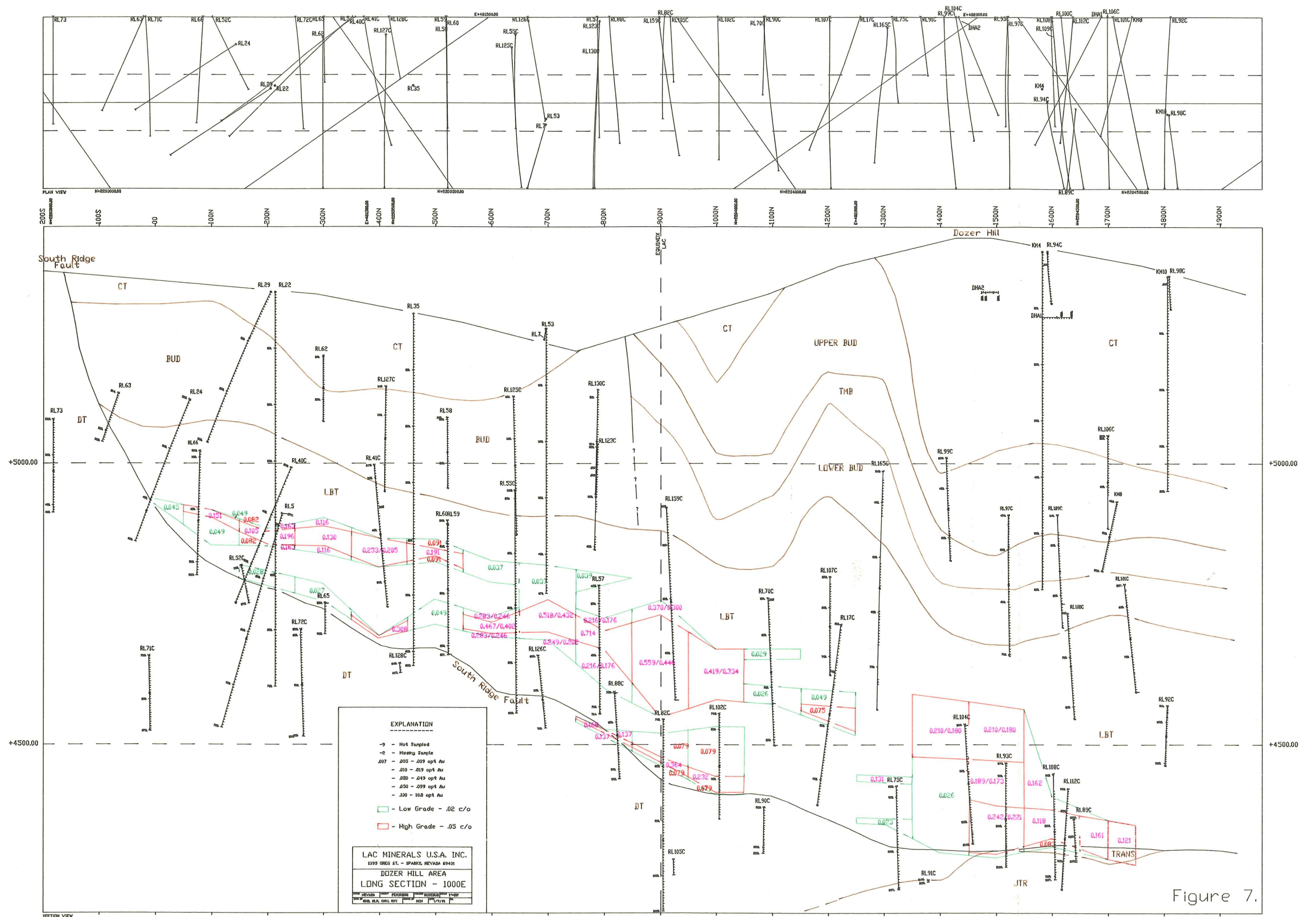


Figure 7.



trend especially in vicinity of RL-159C which intersected 170 feet grading 0.559 opt Au. Drill intercepts in RL-131C, 142, and 145 southeast of the main trend could represent a mineralized cross-structure or perhaps a separate parallel zone. A narrow intercept in RL-161, southwest of the main ore zone is also encouraging (Figure 6).

### Resource Estimates

A manually generated geologic resource estimate was made for the Dozer Hill deposit utilizing a suite of 1"=50' scale cross-sections created in PCXPLOR (Table 3). These sections are spaced at 100' intervals and oriented N55W-S55E across the deposit trend.

Nominal cut-offs of 0.02 and 0.05 opt Au were selected with a minimum drill width of 8' and a nominal maximum internal waste of 10-15'. Intercept grade composites were generated by the One-D Optimizer routine and/or manually calculated. Cut grades were also calculated for blocks containing assays in excess of 1 opt Au. Twelve holes in the database contain a total of 19 assay intervals greater than 1.0 opt Au with a maximum value of 3.101 opt Au.

Tonnage factors were assigned to the various rock types based upon 21 bulk density measurements made by McClelland Laboratories on representative pieces of core. Ten samples of the main ore host, altered LBT, have tonnage factors which range from 13.8 to 15.6 cu.ft./ton and average 14.44 cu.ft./ton. Over 80% of the resource occurs in this material.

The assumptions and methods used to generate this resource estimate are described in a memo by N.H. Brewer and M.C. Hultgren, 1/26/91.

**Table 3. Sectional Geologic Resource Estimates (January 1991).**

| CUT-OFF<br>AU OPT | CATEGORY | TONS             | AU<br>OPT    | AU<br>OUNCES   | AU OPT<br>(CUT) * | OUNCES<br>(CUT) * |
|-------------------|----------|------------------|--------------|----------------|-------------------|-------------------|
| 0.02              | Probable | 4,088,017        | 0.117        | 477,580        | 0.105             | 429,631           |
| 0.02              | Possible | 1,102,786        | 0.147        | 162,351        | 0.133             | 146,563           |
| <b>TOTALS:</b>    |          | <b>5,190,803</b> | <b>0.123</b> | <b>639,931</b> | <b>0.111</b>      | <b>576,194</b>    |
| 0.05              | Probable | 1,591,720        | 0.236        | 375,388        | 0.210             | 333,942           |
| 0.05              | Possible | 676,659          | 0.220        | 148,721        | 0.194             | 131,250           |
| <b>TOTALS:</b>    |          | <b>2,268,379</b> | <b>0.231</b> | <b>524,109</b> | <b>0.206</b>      | <b>465,192</b>    |

(\* = High grades cut to 1.0 opt Au)

As currently outlined, about 55% of this resource is located on ground controlled by the LAC-Equinox Joint Venture and the remainder is on claims 100% owned by LAC.

Bruce Davis (Bond Denver) completed a preliminary block model and

kriged reserve study on the deposit in Januray 1991 (see BD memos 1/31/91 and 2/19/91). Results show a similar global inventory using the 0.02 and 0.05 opt cut-offs but stripping ratios are too excessive for an economic open pit scenario:

**Table 4. Kriged Mineral Inventory (February 1991)**

| CUT-OFF<br>AU OPT | TONS      | AU<br>OPT | AU<br>OUNCES | AG<br>OPT | AG<br>OUNCES |
|-------------------|-----------|-----------|--------------|-----------|--------------|
| 0.02              | 7,195,000 | 0.092     | 661,940      | 0.42      | 3,021,900    |
| 0.05              | 3,049,600 | 0.176     | 536,730      | 0.59      | 1,799,264    |

Although the kriged inventory shows higher tonnage and lower grade, the total contained ounces of Au are within 3.7 and 2.5% respectively of the sectional estimates for these cut-offs.

With assistance from Hans de Ruiter (LAC Kirkland Lake) the following potentially underground mineable reserve was extracted from the "Probable" geologic resource at the 0.05 opt Au cut-off: (see HDR Memo 2/1/91)

**Table 5. "Underground Mineable" Ore Reserve (Undiluted).**

| TONS      | AU<br>OPT | AU OZS. | AU OPT<br>(CUT)* | AU OZS.<br>(CUT)* | AG<br>OPT | AG OZS.   |
|-----------|-----------|---------|------------------|-------------------|-----------|-----------|
| 1,245,350 | 0.284     | 354,000 | 0.248            | 308,800           | 3.20      | 3,985,200 |

\* High grade Au assays cut to 1.0 opt.

Approximately 25% of the ounces in Table 5 are contained in the block around RL-159C on Section 900N. However, most "Possible" blocks or isolated intercepts off the main trend, such as RL-145 (45 feet @ 0.202 opt Au), are not included.

### Metallurgy

Preliminary metallurgical tests have been completed by McClelland Labs on four core composites from seven drill holes. Although more tests are necessary, these results show that acceptable mill recoveries (85-90%) can be expected from the various ore types at Dozer Hill using conventional processes (Table 6). Detailed reports by McClelland Labs (3/5/90 & 2/19/91) document the procedures and complete results.

The initial work involved bottle roll leach tests and flotation tests on a 4-hole composite from the south half of the deposit averaging a combined 247 feet of 0.135 opt Au and 3.07 opt Ag (RL-40C, 41C, 52C, & 55C). The flotation test results were negative but bottle roll cyanide leach recoveries were excellent (97%).

Another round of metallurgical tests were run on core composites from holes RL-88C, RL-100C, and RL-104C beginning in late 1990.



Bottle roll results were similarly good for RL-88C (87.4%) but disappointing for RL-100C (27.9%). Because of the suspicion that RL-100C contained "preg-robbing" constituents (i.e. adsorbing clays), additional agitated leach, CIL/cyanidation and gravity tests were run on the RL-100C sample, and for comparison, on a similar grade composite from RL-104C, a nearby hole. Results for these tests are summarized below:

**Table 6. Metallurgical Test Results Summary.**

| Drill Hole Comp.       | Head Assay Au/Ag opt* | Calc. Head Au/Ag opt | Bottle Roll % 10 M 96 hrs Au/Ag | Bottle Roll % 200 M 48 hrs Au/Ag | Agit'd Leach Rec % 72 hr Au/Ag | CIL/ CN Rec % 72 hr Au/Ag | Grav Conc % 65 M Au/Ag |
|------------------------|-----------------------|----------------------|---------------------------------|----------------------------------|--------------------------------|---------------------------|------------------------|
| RL-40C, 41C, 52C & 55C | 0.116/ 2.96           | 0.124/ 2.38          | 85.5/ 62.6                      | 96.6/ 59.7                       | N/A                            | N/A                       | N/A                    |
| RL-88C                 | 0.421/ 1.41           | 0.419/ 1.30          | 87.4/ 60.0                      | 87.4/ 75.6                       | N/A                            | N/A                       | N/A                    |
| RL-100C                | 0.227/ 13.05          | 0.203/ 13.24         | 34.8/ 7.1                       | 27.9/ 5.7                        | 45.3/ 13.7                     | 85.5/ 53.4                | 64.0/ 10.8             |
| RL-104C                | 0.176/ 0.27           | 0.179/ 0.38          | N/A                             | N/A                              | 83.2/ 50.0                     | 81.9/ 79.2                | 79.2/ 59.1             |

\* Average of all head grade determinations.

For the bottle roll tests cyanide consumption was low (0.16-0.45 lb/ton) and lime addition normal (5.0-8.2 lb/ton). Cyanide consumptions were considerably higher (1.2-4.21 lb/ton) and lime requirements ranged from 11.3 to 11.9 lb/ton for the mechanically agitated direct and CIL cyanidation tests.

#### Ore Mineralogy and Alteration

To assist in characterizing the alteration and mineralization at Dozer Hill as well as help in understanding the metallurgical results, Bond Gold's Geochemistry Department in Denver has completed several microprobe, XRD, fluid inclusion and petrographic studies of various core samples from the deposit (Bond Gold Geochemistry Reports 8/90, 1/91, & 2/91). Results show a gradual change in the vein mineralogies and paragenesis between the south and the north ends of the ore zone.

Samples from holes RL-41C, 52C, and 55C located in the southern portion of the deposit (Sections 400N, 100N and 600N respectively) were pervasively sericitized (illitic) prior to being cross-cut by at least two sets of veinlets. The earlier set appears to be barren of precious metals and consists of quartz with lesser pyrite/marcasite, arsenopyrite, sphalerite and galena. Local patches of disseminated sulfides in the wall rock are attributed to

this event. Bladed marcasite crystals usually show variable degrees of replacement by pyrite.

The later set of veinlets contains Mn/Fe-bearing calcite together with trace amounts of silver-rich Sb-sulfosalts, sulfides, selenides and native metal. Gold was seen only as a component of auriferous silver (<20% Au) and electrum (<30% Au). The latest stage consists of kaolinite which occurs as veinlets and local replacements of calcite.

Samples from RL-100C at the north end of the deposit (Section 1700N) show an earlier set of quartz plus sulfide veinlets similar to the south end but these also contain electrum (55% Au). A second set consists of quartz plus arsenopyrite, galena, sphalerite and electrum in addition to silver-rich sulfosalts and selenides. Calcite is absent. Electrum occurs in grains up to 60x100 microns in size. Late kaolinite cuts and corrodes quartz and appears to have replaced most of the wall rock feldspars.

In hole RL-88C, which was drilled in the central portion of the deposit (Section 800N), the mineralogy appears to be transitional. Later calcite veins contain silver-rich minerals and electrum similar to the south end, but electrum (avg 48% Au) also occurs in early quartz-pyrite veins. Also, the calcite veins contain significantly more quartz which may suggest a transition to the later calcite-deficient quartz veins present in the north end.

Fluid inclusion work was carried out on coarse barite crystals from the surface at Dozer Hill and quartz and calcite veinlets in RL-55C. Results suggest that all three minerals formed from dilute solutions with temperatures in the range of 140 to 180 degrees C.

### Assays

All samples have been assayed for Au and Ag at GSI in Sparks, Nevada using their 1 assay ton fire assay/AA finish method. Check assays on higher grade material have been gravimetric. Additional Au checks have been run on re-splits of selected intervals at Bondar-Clegg, Vancouver and Barringer Labs in Sparks.

During this process of check assaying, it was found that GSI's prep, at least since hole RL-97C, was mostly well below their declared standard of 90% passing -10mesh. Bondar-Clegg re-prepped the rejects prior to making a second pulp. In general, averaged drill composites show a 5-10% increase in gold grade using the Bondar-Clegg results, but the sample-to-sample and assay-to-assay variability is often quite high, especially in the higher grade (+0.2 opt) material suggesting a "nugget effect" sampling problem. Because of this variability, all assays regardless of lab or pulp have been given equal weight and averaged in the database prior to calculating the resource estimates.

Metallic screen assays were run at GSI on selected intervals from several drill holes at Dozer Hill. These show generally higher



this event. Bladed marcasite crystals usually show variable degrees of replacement by pyrite.

The later set of veinlets contains Mn/Fe-bearing calcite together with trace amounts of silver-rich Sb-sulfosalts, sulfides, selenides and native metal. Gold was seen only as a component of auriferous silver (<20% Au) and electrum (<30% Au). The latest stage consists of kaolinite which occurs as veinlets and local replacements of calcite.

Samples from RL-100C at the north end of the deposit (Section 1700N) show an earlier set of quartz plus sulfide veinlets similar to the south end but these also contain electrum (55% Au). A second set consists of quartz plus arsenopyrite, galena, sphalerite and electrum in addition to silver-rich sulfosalts and selenides. Calcite is absent. Electrum occurs in grains up to 60x100 microns in size. Late kaolinite cuts and corrodes quartz and appears to have replaced most of the wall rock feldspars.

In hole RL-88C, which was drilled in the central portion of the deposit (Section 800N), the mineralogy appears to be transitional. Later calcite veins contain silver-rich minerals and electrum similar to the south end, but electrum (avg 48% Au) also occurs in early quartz-pyrite veins. Also, the calcite veins contain significantly more quartz which may suggest a transition to the later calcite-deficient quartz veins present in the north end.

Fluid inclusion work was carried out on coarse barite crystals from the surface at Dozer Hill and quartz and calcite veinlets in RL-55C. Results suggest that all three minerals formed from dilute solutions with temperatures in the range of 140 to 180 degrees C.

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During this process of check assaying, it was found that GSI's prep, at least since hole RL-97C, was mostly well below their declared standard of 90% passing -10mesh. Bondar-Clegg re-prepped the rejects prior to making a second pulp. In general, averaged drill composites show a 5-10% increase in gold grade using the Bondar-Clegg results, but the sample-to-sample and assay-to-assay variability is often quite high, especially in the higher grade (+0.2 opt) material suggesting a "nugget effect" sampling problem. Because of this variability, all assays regardless of lab or pulp have been given equal weight and averaged in the database prior to calculating the resource estimates.

Metallic screen assays were run at GSI on selected intervals from several drill holes at Dozer Hill. These show generally higher

grades than the respective 1AT assays. Some samples contained considerably more gold in the coarse (+150 mesh) fraction.

### Geophysics

With help from the Geophysics Department at Bond Gold in Denver, ground magnetics data for the Dozer Hill grid has been reprocessed and integrated with coarser data from the southern portion of the main NW-SE grid at Rosebud.

The northeast trending mineralized zone at Dozer Hill occurs within a broad area of relatively low magnetics and low magnetic relief. Derivative products reveal several interesting but subtle trends which may reflect structures that either control or displace the mineralized zone.

A northeast trending weak magnetic high is coincident with the trace of the ore zone under Dozer Hill itself. This feature appears to be truncated at the northeast end of known mineralization by a possible northwest trending cross fault. Offsets in the magnetic data suggested that movement on this fault was right-lateral but subsequent drill holes have failed to encounter additional mineralization. The holes have not adequately tested a possible left-lateral displacement.

A stronger east-west magnetic feature crosses the mineralized trend in the vicinity of Sections 800N and 900N where spectacular intercepts have been drilled. This possible cross structure also coincides with the intercepts in RL-131C, 142, and 145 southeast of Dozer Hill. Further drilling is planned in this area in 1991 and may help explain the significance of this feature.

### B. Other Targets:

The 1990 program included 37 drill holes totalling 21,922 feet in 7 other target areas outside of Dozer Hill. Combined with 1989 drilling, 10 separate areas have now received at least a minimum first pass of drilling.

Recent mapping at Dreamland combined with the model which has evolved from Dozer Hill has resulted in a clearer understanding of the epithermal system and controls for mineralization at Rosebud (Figure 4). Consequently, most of the other target areas are currently being re-evaluated and several, including Degerstrom, Chance, Dreamland and Oscar appear to have excellent untested potential.

Table 7 summarizes the highlights of the more important of these prospect areas. Locations are shown on Figure 3. Separate reports document the exploration program at Chance (Brewer 1991b) and geologic mapping at Dreamland (Walck 1991) and Oscar (Fuchs 1991). Additional mapping, sampling and re-interpretation is planned for several of these targets prior to drilling in 1991.



**Table 7. Rosebud District Exploration Targets.**

| TARGET AREA | DESCRIPTION  | RESULTS & RECOMMENDATIONS  |
|-------------|--|--|
| Chance      | Bleached & silicified zone in fgt along N65E range front. Ground mag, IP, soils surveys also indicate E-W cross structure(s). Rock spls contain up to 0.034 opt Au, +high Hg, Sb, +As, & Tl  | 9 holes (5,580') in 1990. Best intercept: 160' @ 0.043 Au (RL113) assoc. with strong quartz-pyrite breccias $\pm 400'$ vertically below alt'd. outcrops along range front. F/U holes to date have been disappointing but good potential remains esp. under pediment gravels. Minimum 5 holes (3000') recommended for 1991. |
| Degerstrom  | Strongly silicified NNW trending low-angle fault in bleached Chocolate Tuff dips west under large area of silified breccia o/c's and NNE trending swarm of sil'd breccia veins. Anomalous soils (up to 824 ppb Au) define both NW and NE trends. Strong IP anomaly coincident with vein swarm in the H/W of low-angle fault. | 4 drill holes in 1989 & 2 in 1990 tested near surface of low angle fault and highest soil geochem in the F/W. Best hole: 35' @ 0.034 (RL-48). None of the holes tested the IP anomaly or sil'd breccias in the H/W. At least 5 holes (3000') recommended in 1991.  |
| Dreamland   | Old mine area produced Au-Ag ore from high grade E-W vertical breccia veins and south-dipping low angle structure(s) within strongly bleached and acid-leached area. E-W cross faults limit potential to the S. but may down-drop the zone under Badger to the N.  | 4 Freeport holes and 2 LAC holes in 1989 did not recognize low angle control and drilled mostly barren F/W. U/G sampling suggests remnant dip slope above low-angle structure may have potential for small (~50,000 oz) resource. 8-10 holes (3000-3500') are recommended for 1991   |

**Table 7. Continued: Rosebud District Exploration Targets.**

| TARGET AREA     | DESCRIPTION   | RESULTS & RECOMMENDATIONS  |
|-----------------|---|--|
| East Dreamland  | Numerous steep narrow structures in variably bleached low area east of Dreamland coincident with large soil anomaly and local ore grade rock geochem. Area now recognized as F/W of main low angle structure in Dreamland. Highest Au grade (+1.5 opt) in Mother Lode vein on SE side of the target area. | 4 Asarco holes, 3 Freeport holes and 11 LAC holes have tested this area for extension of Dreamland mineralization. Best holes: ~60' @ 0.05 opt (Asarco) and 30' @ 0.09 opt (RB-9). Most LAC holes encountered narrow altered zones in fresh Chocolate Tuff at depth. No further work recommended.                        |
| N. Equinox      | Large steep S. dipping chalcedonic breccia zone in Chocolate Tuff trends N75W across hill at USMM 212. Weak surface geochem and strong IP anomaly coincident with surface trace. NNE trending low-angle structure now recognized dipping west under the area.   | 4 holes in 1990 tested the high-angle silicified structure and IP anomaly. Best hole: 35' @ 0.012 opt (RL-86). IP anomaly caused by intense quartz-pyrite breccia. Samples of H/W to low-angle fault are pending. More drilling to test low-angle/high angle intersection may be recommended after further work in 1991. |
| N. Rosebud Peak | Strong N-S trending silicified breccias along ridge N. of Rosebud Peak with weakly anomalous rock geochem (100-200 ppb) $\pm$ local "angel wing" calcite and banded chalcedony veining. West dipping low-angle structures found in canyon along east side of the ridge.                                   | No drilling to date. Rock samples of low angle structures pending. Possibly 4 holes recommended for 1991 after additional surface work.  |



**Table 7. Continued: Rosebud District Exploration Targets.**

| TARGET AREA | DESCRIPTION   | RESULTS & RECOMMENDATIONS   |
|-------------|---|---|
| Oscar       | Dense chalcedonic breccias $\pm$ pyrite in Tertiary gravels in H/W to shallow NW dipping Oscar Fault along projection of Rosebud Shear Zone. Ground mag, IP, soil and rock geochem suggest good exploration potential NW and immediately W of the main silicified knob. Steep E-W structures cut altered gravels near the county road with strong coincident geochem. | 12 holes by St. Joe & USMX have mainly tested silicified knob area. Holes encountered thick sections of anomalous Ag values $\pm$ Au, Hg, As, & Sb. A minimum of 3000-4000' recommended to test other targets away from the obvious silicified knob area, pending a signed agreement with USMX this year. |
| Short Shot  | Large bleached area west of Rosebud Peak cut by numerous N to NE trending silicified structures. Some of these dip W at $\pm$ 45 degrees. Anomalous soils (+50 ppb) and rocks (+500 ppb & up to 1500 ppm Sb) collected in 1988 & 1989.  | No drilling to date. Further mapping and sampling recommended before drilling.  |
| South Ridge | Strong NW trending soil anomaly (100-3500 ppb Au) in bleached Dozer Tuff adjacent to shallow west-dipping Saddle Fault. Rock spls from road cuts and Saddle Shaft prospect contain silicified veinlets with up to 1.8 ppm Au.   | 4 holes in 1989 test the soil anomaly. Best intercept: 10' @ 0.028 opt Au. Results show Au grades and alteration confined to narrow "cracks" in otherwise mainly fresh Dozer Tuff. No further work recommended.   |

**Table 7. Continued: Rosebud District Exploration Targets.**

| TARGET AREA | DESCRIPTION   | RESULTS & RECOMMENDATIONS  |
|-------------|---|--|
| Valley      | Largely covered area straddles the Rosebud Shear Zone in the valley SW of Dozer Hill. Poorly exposed bleached zones along north dipping E-W structures in Badger Fm. and Chocolate Tuff. are coincident with strong IP anomaly. Rock samples carry up to 323 ppb Au.                            | 2 Freeport holes and 7 LAC holes. Best intercepts: 50' @ 0.014 Au (RL-56), and 15' @ 0.032 Au (RL-77). 7 holes contain abundant anomalous Au & Ag values $\pm$ weak-moderate dissem. and vein pyrite. No further work planned at this time.  |
| White Alps  | Prominent chalcedonic quartz-alunite knob along a major N60E structure with pervasively bleached H/W on the SE face of Rosebud Peak. Weak to moderate soil and rock geochem.  | 1 Freeport hole, 4 LAC holes in 1989 and 4 F/U holes in 1990. Best intercept: 20' @ 0.052 opt Au (RL-19). F/U drilling in 1990 was negative. No further work is recommended at this time.  |
| Wild Rose   | Strong silicified breccias $\pm$ pyrite and alunite in immed. H/W of NW dipping low-angle structure. Pervasive bleaching, large soil anomaly and strong IP anomaly. Higher-angle structures on the range front and in the F/W of the low angle structure also carry anomalous Au (100-200 ppb). | 4 holes drilled in 1990 Best intercept: 20' @ 0.015 opt (RL-120) & 40' @ 0.010 opt Au (RL-157). Terrain did not allow proper drill test of the H/W of the low-angle structure. Best drill results were from holes on the range front structure. Warrants further work but low priority at this time. |



## VI. Proposed 1991 Program

The proposed 1991 exploration program at Rosebud is contingent on the results of a contract pre-feasibility study being conducted by Beacon Hill Consultants Ltd. of Vancouver. A budget of \$1,200,000 (\$1,000,000 Net to LAC) has been proposed (Table 8). This program includes \$408,000 under the Equinox joint venture and a \$50,000 minimum work commitment under the Norgold (Chance) joint venture.

The 1991 objectives are to:

- 1) identify a "probable" resource of at least 2,000,000 tons with a 0.25 opt Au average grade at Dozer Hill.
- 2) discover significant high grade mineralization in at least one other target area on the property.

Drilling recommendations are 3-fold:

Phase 1 - 15,000' of RCD drilling at Dozer Hill beginning in early April. This will offset intercepts in RL-145 and RL-161 as well as test other open areas around the main ore zone. About 10,000' of this drilling will be on JV ground.

Phase 2 - 15,000' of core drilling at Dozer Hill beginning in mid-April. Initial targets will be around RL-159C as well as some selected in-fill holes on the main trend such as on Section 700N. Some of these holes will also be drilled for RQD information. If phase 1 is successful, DDH footage will be used to follow-up and confirm ounces in these areas.

Phase 3 - 15,000' of track-mounted RCD drilling to test other target areas including: Chance, Oscar, Degerstrom, Dreamland and possibly others. This phase is scheduled to begin in June after phase 1 is completed and additional surface work is done.

**Table 8. Proposed 1991 Budget.**

| <b>Item</b>                             | <b>Amount</b>      |
|---|--------------------|
| Salaries                                | \$ 137,900         |
| Contract Labor                          | 15,000             |
| Travel Expenses                         | 20,000             |
| Air Charter                             | 2,000              |
| Roads & Trails                          | 10,000             |
| Miscellaneous                           | 6,700              |
| Rent (Core Shed, etc.)                  | 13,000             |
| Leased Vehicles                         | 12,000             |
| Professional Fees - Consultants         | 50,000             |
| Professional Fees - Other               | 36,000             |
| Surveying                               | 17,000             |
| Drilling - Core (15,000' @ \$20/ft)     | 300,000            |
| Drill Assays - 8,000 @ \$14             | 112,000            |
| Drilling - Rotary (30,000' @ \$10/ft)   | 300,000            |
| Surface Sampling Assays                 | 10,000             |
| Claim Staking                           | 5,000              |
| Bonus/Option Payments                   | 67,000             |
| Lease/Rental Payments                   | 20,000             |
| Permitting                              | 20,000             |
| Filing Fees                             | 9,600              |
| Geophysics - Other                      | 10,000             |
| Metallurgy                              | 15,000             |
| Vehicles: Maint & Repair                | 5,000              |
| Field Supplies                          | 6,800              |
| <b>SUBTOTAL</b>                         | <b>\$1,200,000</b> |
| Equinox Contribution (49% of JV Budget) | (200,000)          |
| <b>TOTAL (Net To LAC)</b>               | <b>\$1,000,000</b> |



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R. Beane  
D. Brosnahan  
K. Rodd

### Geophysics

C. Ludwig  
M. Walker  
A. Webb

### Engineering

H. de Ruiter

### Metallurgy

M. Brittan

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G. Miller  
K. Burke

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M.C. Hultgren  
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J.A. Mueller

### Accounting/Files

A.J. Vrenon  
A. Trodden

### Core/Field/Warehouse

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## Appendix 1:

**ROSEBUD PROJECT  
1989 DRILLING SUMMARY**

| HOLE NO.           | T.D. | BEARING/<br>INCLINATION | INTERCEPT<br>FROM-TO/WIDTH | AU<br>OPT    | AG<br>OPT   |
|--------------------|------|-------------------------|----------------------------|--------------|-------------|
| =====              |      |                         |                            |              |             |
| <b>DOZER HILL:</b> |      |                         |                            |              |             |
| -----              |      |                         |                            |              |             |
| RL-1               | 565  | VERT.                   | 15-20'/5'                  | 0.036        | -0.10       |
|                    |      |                         | 25-30'/5'                  | 0.096        | 0.11        |
|                    |      |                         | 275-280'/5'                | 0.046        | -0.10       |
|                    |      |                         | 325-335'/10'               | 0.015        | -0.10       |
|                    |      |                         | 345-375'/30'               | 0.016        | 0.08        |
|                    |      |                         | 385-390'/5'                | 0.019        | -0.10       |
| RL-2               | 820  | VERT.                   | 50-55'/5'                  | 0.013        | -0.10       |
|                    |      |                         | 315-320'/5'                | 0.010        | 0.27        |
|                    |      |                         | 385-390'/5'                | 0.016        | 0.15        |
| RL-3               | 505  | VERT.                   | 35-40'/5'                  | 0.011        | -0.10       |
|                    |      |                         | 95-100'/5'                 | 0.015        | -0.10       |
|                    |      |                         | 175-180'/5'                | 0.010        | -0.10       |
|                    |      |                         | 220-355'/135'              | 0.064        | 0.15        |
|                    |      |                         | including                  |              |             |
|                    |      |                         | 220-275'/55'               | 0.119        | 0.26        |
|                    |      |                         | <b>225-250'/25'</b>        | <b>0.224</b> | <b>0.47</b> |
| RL-4               | 585  | S40E/-60                | 5-10'/5'                   | 0.012        | -0.10       |
|                    |      |                         | 155-160'/5'                | 0.010        | -0.10       |
|                    |      |                         | 175-180'/5'                | 0.010        | -0.10       |
|                    |      |                         | 195-200'/5'                | 0.016        | 0.10        |
|                    |      |                         | 205-230'/25'               | 0.040        | 0.55        |
|                    |      |                         | 270-275'/5'                | 0.016        | -0.10       |
|                    |      |                         | 285-290'/5'                | 0.026        | -0.10       |
|                    |      |                         | 310-315'/5'                | 0.047        | -0.10       |
|                    |      |                         | 320-325'/5'                | 0.012        | 0.30        |
| RL-5               | 780  | S05E/-58                | 225-230'/5'                | 0.020        | 0.10        |
|                    |      |                         | 360-365'/5'                | 0.013        | 0.11        |
|                    |      |                         | 370-525'/155'              | 0.168        | 3.13        |
|                    |      |                         | including                  |              |             |
|                    |      |                         | <b>375-435'/60'</b>        | <b>0.176</b> | <b>4.24</b> |
|                    |      |                         | 525-780'/255'              | 0.073        | 1.86        |
|                    |      |                         | (Poss. Contam. 435-525')   |              |             |
|                    |      |                         | (Prob. Contam. 525-780')   |              |             |
| RL-6               | 492  | S13W/-59                | 80-85'/5'                  | 0.013        | -0.10       |
|                    | Lost |                         | 180-185'/5'                | 0.023        | -0.10       |



## Appendix 1:

**ROSEBUD PROJECT  
1989 DRILLING SUMMARY**

| HOLE NO.             | T.D. | BEARING/<br>INCLINATION | INTERCEPT<br>FROM-TO/WIDTH | AU<br>OPT | AG<br>OPT |
|----------------------|------|-------------------------|----------------------------|-----------|-----------|
| RL-6 Cont'd.         |      |                         | 445-485'/40'               | 0.016     | 0.11      |
| RL-7                 | 620  | S39E/-58                | 40-45'/5'                  | 0.020     | -0.10     |
| RL-8                 | 680  | S08E/-58                | 30-35'/5'                  | 0.014     | -0.10     |
|                      |      |                         | 110-115'/5'                | 0.089     | 0.12      |
|                      |      |                         | 150-160'/10'               | 0.012     | -0.10     |
|                      |      |                         | 260-265'/5'                | 0.067     | -0.10     |
|                      |      |                         | 285-290'/5'                | 0.011     | 0.10      |
|                      |      |                         | 430-435'/5'                | 0.015     | 0.10      |
|                      |      |                         | 445-510'/65'               | 0.036     | 0.34      |
|                      |      |                         | 530-535'/5'                | 0.011     | -0.10     |
|                      |      |                         | 575-585'/10'               | 0.013     | 0.11      |
|                      |      |                         | 600-605'/5'                | 0.012     | -0.10     |
| RL-9                 | 700  | VERT.                   | 125-130'/5'                | 0.014     | -0.10     |
|                      |      |                         | 305-310'/5'                | 0.049     | 0.80      |
| RL-10C               | 832  | S36E/-58                | 325-330'/5'                | 0.011     | -0.10     |
| (232' core)          |      |                         | 335-340'/5'                | 0.014     | -0.10     |
|                      |      |                         | 400-405'/5'                | 0.041     | 0.10      |
|                      |      |                         | 425-430'/5'                | 0.014     | -0.10     |
|                      |      |                         | 455-460'/5'                | 0.011     | 0.10      |
|                      |      |                         | 475-480'/5'                | 0.012     | -0.10     |
|                      |      |                         | 510-595'/85'               | 0.020     | 0.02      |
|                      |      |                         | including                  |           |           |
|                      |      |                         | 525-540'/15'               | 0.047     | 0.06      |
| RL-11                | 480  | S00E/-60                | 465-480'/15'               | 0.036     | 0.07      |
| <b>E. DREAMLAND:</b> |      |                         |                            |           |           |
| RL-12                | 405  | N05E/-58                | 30-45'/15'                 | 0.027     | 1.51      |
|                      |      |                         | 365-370'/5'                | 0.013     | -0.10     |
| RL-13                | 385  | N00E/-60                | NIL                        |           |           |
| RL-14                | 285  | N00E/-60                | NIL                        |           |           |
| <b>DREAMLAND:</b>    |      |                         |                            |           |           |
| RL-15                | 445  | N19W/-60                | NIL                        |           |           |

## Appendix 1:

**ROSEBUD PROJECT  
1989 DRILLING SUMMARY**

| HOLE NO.           | T.D.                | BEARING/<br>INCLINATION | INTERCEPT<br>FROM-TO/WIDTH | AU<br>OPT    | AG<br>OPT   |
|--------------------|---------------------|-------------------------|----------------------------|--------------|-------------|
| RL-16              | 300                 | NO5E/-66                | NIL                        |              |             |
| <b>DOZER HILL:</b> |                     |                         |                            |              |             |
| RL-17C             | 1065<br>(460' core) | S36E/-67                | 215-225'/10'               | 0.013        | 0.01        |
|                    |                     |                         | 260-265'/5'                | 0.034        | 0.19        |
|                    |                     |                         | 510-515'/5'                | 0.013        | 0.18        |
|                    |                     |                         | 530-535'/5'                | 0.046        | 0.24        |
|                    |                     |                         | 639-654'/15'               | 0.02         | 0.07        |
|                    |                     |                         | 722.5-726'/3.5'            | 0.016        | -0.1        |
|                    |                     |                         | 740-795'/55'               | 0.049        | 0.16        |
|                    |                     |                         | including                  |              |             |
|                    |                     |                         | <b>765-790'/25'</b>        | <b>0.075</b> | <b>0.24</b> |
|                    |                     |                         | 833-838.5'/5.5'            | 0.047        | 0.17        |
| <b>WHITE ALPS:</b> |                     |                         |                            |              |             |
| RL-18              | 465<br>Lost         | N49W/-61                | 275-285'/10'               | 0.021        | 1.87        |
| RL-19              | 445<br>Lost         | N70W/-60                | 20-25'/5'                  | 0.016        | 0.25        |
|                    |                     |                         | 75-80'/5'                  | 0.013        | 0.52        |
|                    |                     |                         | 120-135'/15'               | 0.016        | 1.13        |
|                    |                     |                         | 195-215'/20'               | 0.052        | 1.04        |
| RL-20              | 625                 | VERT.                   | 150-155'/5'                | 0.010        | 1.24        |
|                    |                     |                         | 375-380'/5'                | 0.011        | 0.50        |
|                    |                     |                         | 395-400'/5'                | 0.016        | 0.36        |
| RL-21              | 645                 | N41W/-58                | 550-555'/5'                | 0.015        | -0.10       |
|                    |                     |                         | 560-565'/5'                | 0.012        | -0.10       |
|                    |                     |                         | 570-575'/5'                | 0.011        | -0.10       |
| <b>DOZER HILL:</b> |                     |                         |                            |              |             |
| RL-22              | 700                 | VERT.                   | 265-270'/5'                | 0.041        | 0.16        |
|                    |                     |                         | 355-360'/5'                | 0.023        | -0.10       |
|                    |                     |                         | 370-375'/5'                | 0.017        | 0.27        |
|                    |                     |                         | 395-540'/145'              | 0.075        | 1.93        |
|                    |                     |                         | including                  |              |             |
|                    |                     |                         | 395-450'/55'               | 0.159        | 4.62        |
|                    |                     |                         | <b>410-445'/35'</b>        | <b>0.231</b> | <b>7.04</b> |
|                    |                     |                         | 565-580'/15'               | 0.012        | 0.09        |



## Appendix 1:

**ROSEBUD PROJECT  
1989 DRILLING SUMMARY**

| HOLE NO. | T.D. | BEARING/<br>INCLINATION | INTERCEPT<br>FROM-TO/WIDTH | AU<br>OPT    | AG<br>OPT   |
|----------|------|-------------------------|----------------------------|--------------|-------------|
| =====    |      |                         |                            |              |             |
| RL-23    | 660  | VERT.                   | 175-180'/5'                | 0.013        | 0.13        |
|          |      |                         | 340-345'/5'                | 0.014        | -0.10       |
|          |      |                         | 360-420'/60'               | 0.028        | 0.85        |
|          |      |                         | including                  |              |             |
|          |      |                         | <b>390-405'/15'</b>        | <b>0.084</b> | <b>1.77</b> |
|          |      |                         | 445-490'/45'               | 0.023        | -0.10       |
|          |      |                         | 525-535'/10'               | 0.029        | 0.13        |
|          |      |                         | 555-560'/5'                | 0.014        | 0.50        |
| RL-24    | 480  | S02W/-58                | 35-40'/5'                  | 0.024        | -0.10       |
|          |      |                         | 110-115'/5'                | 0.033        | -0.10       |
|          |      |                         | 395-410'/15'               | 0.034        | 0.60        |
|          |      |                         | 435-450'/15'               | 0.013        | 0.12        |
|          |      |                         | 465-480'/15'               | 0.026        | 0.33        |
| RL-25    | 640  | VERT.                   | 0-5'/5'                    | 0.030        | 0.44        |
|          |      |                         | 70-75'/5'                  | 0.017        | -0.10       |
|          |      |                         | 270-345'/75'               | 0.051        | 0.24        |
|          |      |                         | including                  |              |             |
|          |      |                         | <b>325-340'/15'</b>        | <b>0.149</b> | <b>0.79</b> |
|          |      |                         | 360-365'/5'                | 0.012        | -0.10       |
|          |      |                         | 420-425'/5'                | 0.014        | -0.10       |
|          |      |                         | 435-485'/50'               | 0.019        | 0.05        |
|          |      |                         | 515-520'/5'                | 0.013        | 0.18        |
|          |      |                         | 535-540'/5'                | 0.010        | 0.14        |
| RL-26    | 405  | S02E/-58                | 50-55'/5'                  | 0.033        | 0.18        |
|          |      |                         | 90-95'/5'                  | 0.015        | 0.13        |
|          |      |                         | 300-310'/10'               | 0.012        | 0.45        |
| RL-27    | 580  | VERT.                   | 405-520'/115'              | 0.076        | 1.15        |
|          |      |                         | including                  |              |             |
|          |      |                         | <b>435-480'/45'</b>        | <b>0.130</b> | <b>2.69</b> |
|          |      |                         | 555-560'/5'                | 0.010        | -0.10       |
| RL-28    | 485  | S02E/-58                | 575-580'/5'                | 0.032        | -0.10       |
|          |      |                         | 245-250'/5'                | 0.061        | 0.96        |
|          |      |                         | 265-275'/10'               | 0.016        | 0.54        |
|          |      |                         | 410-415'/5'                | 0.010        | -0.10       |

## Appendix 1:

**ROSEBUD PROJECT  
1989 DRILLING SUMMARY**

| HOLE NO. | T.D.        | BEARING/<br>INCLINATION | INTERCEPT<br>FROM-TO/WIDTH   | AU<br>OPT   | AG<br>OPT   |
|----------|-------------|-------------------------|--|---|---|
| RL-29    | 505         | S02W/-59                | 290-295'/5'  | 0.010   | -0.10   |
| RL-30    | 365         | S02W/-59                | 20-25'/5'<br>110-115'/5'   | 0.010<br>0.028  | -0.10<br>-0.10  |
| RL-31    | 512         | VERT.                   | 265-270'/5'<br>395-400'/5'<br>480-490'/10'   | 0.018<br>0.048<br>0.011   | -0.10<br>0.23<br>0.38   |
| RL-32    | 405         | S02E/-60                | 110-115'/5'<br>160-165'/5'<br>245-250'/5'  | 0.046<br>0.011<br>0.034   | -0.10<br>-0.10<br>0.15  |
| RL-33    | 465         | VERT.                   | 110-115'/5'<br>120-170'/50'<br>including<br>135-145'/10'<br>185-190'/5'<br>200-215'/15'<br>225-240'/15'<br>285-290'/5'<br>445-450'/5'<br>455-560'/5' | 0.012<br>0.022<br><br>0.062<br>0.010<br>0.010<br>0.016<br>0.010<br>0.014<br>0.020 | 0.58<br>0.38<br><br>1.40<br>0.42<br>0.42<br>0.08<br>-0.10<br>-0.10<br>-0.10 |
| RL-34    | 300         | S03E/-59                | NIL  |   |   |
| RL-35    | 625<br>Lost | VERT.                   | 205-210'/5'<br>315-320'/5'<br>345-350'/5'<br>385-435'/50'<br>including<br>405-420'/15'<br>475-545'/70'<br>580-585'/5'                                | 0.013<br>0.013<br>0.011<br>0.056<br><br>0.120<br>0.020<br>0.019                   | 0.28<br>-0.10<br>-0.10<br>0.87<br><br>1.41<br>0.44<br>-0.10                 |
| RL-36    | 500         | VERT.                   | 75-80'/5'<br>130-135'/5'<br>435-465'30'  | 0.010<br>0.012<br>0.026   | -0.10<br>-0.10<br>0.05  |
| RL-37    | 495         | VERT.                   | 20-30'/10'<br>35-40'/5'<br>75-80'/5'   | 0.025<br>0.011<br>0.018   | -0.10<br>-0.10<br>-0.10   |



## Appendix 1:

**ROSEBUD PROJECT  
1989 DRILLING SUMMARY**

| HOLE NO.      | T.D.        | BEARING/<br>INCLINATION | INTERCEPT<br>FROM-TO/WIDTH | AU<br>OPT    | AG<br>OPT   |
|---------------|-------------|-------------------------|----------------------------|--------------|-------------|
| =====         |             |                         |                            |              |             |
| RL-37 Cont'd. |             |                         | 175-180'/5'                | 0.013        | -0.10       |
|               |             |                         | 200-205'/5'                | 0.013        | -0.10       |
|               |             |                         | 225-230'/5'                | 0.015        | -0.10       |
|               |             |                         | 305-315'/10'               | 0.033        | 0.28        |
|               |             |                         | 325-340'/15'               | 0.014        | -0.10       |
|               |             |                         | 400-410'/10'               | 0.025        | -0.10       |
|               |             |                         | 460-485'/25'               | 0.033        | 0.14        |
| RL-38         | 296<br>Lost | VERT.                   | NIL                        |              |             |
| RL-39         | 370         | VERT.                   | 55-60'/5'                  | 0.015        | -0.10       |
|               |             |                         | 125-130'/5'                | 0.011        | -0.10       |
|               |             |                         | 135-140'/5'                | 0.014        | -0.10       |
|               |             |                         | 155-160'/5'                | 0.010        | 0.11        |
| RL-40C        | 610         | S04E/-58                | 395-400'/5'                | 0.020        | 0.46        |
|               |             |                         | 411-466.5'/55.5'           | 0.055        | 1.31        |
|               |             |                         | including                  |              |             |
|               |             |                         | <b>439.5-463'/23.5'</b>    | <b>0.105</b> | <b>2.06</b> |
|               |             |                         | 510.5-513.5'/3'            | 0.010        | -0.10       |
| RL-41C        | 624         | S65E/-67                | <b>416.5-483'/66.5'</b>    | <b>0.233</b> | <b>7.26</b> |
|               |             |                         | including                  |              |             |
|               |             |                         | 416.5-436'/19.5'           | 0.271        | 13.18       |
|               |             |                         | 474-483'/9'                | 1.090        | 28.88       |
|               |             |                         | 523-528'/5'                | 0.013        | -0.10       |
|               |             |                         | 553-558'/5'                | 0.013        | 0.16        |
|               |             |                         | <b>563-573'/10'</b>        | <b>0.308</b> | <b>2.77</b> |
|               |             |                         | 573-576.5'/3.5'            | 0.016        | -0.10       |
| SOUTH RIDGE:  |             |                         |                            |              |             |
| -----         |             |                         |                            |              |             |
| RL-42         | 450         | VERT.                   | NIL                        |              |             |
| RL-43         | 310         | N76E/-60                | NIL                        |              |             |
| RL-44         | 430         | S44W/-60                | 40-55'/15'                 | 0.017        | 0.02        |
| RL-45         | 490         | S46W/-61                | 55-65'/10'                 | 0.028        | 0.02        |
|               |             |                         | 240-245'/5'                | 0.014        | 0.04        |

## Appendix 1:

**ROSEBUD PROJECT  
1989 DRILLING SUMMARY**

| HOLE NO.     | T.D. | BEARING/<br>INCLINATION | INTERCEPT<br>FROM-TO/WIDTH | AU<br>OPT    | AG<br>OPT   |
|--------------|------|-------------------------|----------------------------|--------------|-------------|
| =====        |      |                         |                            |              |             |
| DERGERSTROM: |      |                         |                            |              |             |
| -----        |      |                         |                            |              |             |
| RL-46        | 430  | N31E/-61                | 70-90'/20'                 | 0.013        | -0.10       |
| RL-47        | 490  | N81E/-61                | 165-170'/5'                | 0.010        | -0.10       |
| RL-48        | 440  | VERT.                   | 30-55'/25'                 | 0.034        | 0.10        |
| RL-49        | 545  | S25E/-61                | 500-505'/5'                | 0.010        | 0.14        |
| DOZER HILL:  |      |                         |                            |              |             |
| -----        |      |                         |                            |              |             |
| RL-50        | 510  | VERT.                   | 145-150'/5'                | 0.025        | 0.11        |
|              |      |                         | 185-190'/5'                | 0.015        | 0.12        |
|              |      |                         | 200-205'/5'                | 0.030        | -0.10       |
| RL-51        | 510  | VERT.                   | 305-310'/5'                | 0.018        | 0.11        |
|              |      |                         | <b>335-345'/10'</b>        | <b>0.113</b> | <b>0.32</b> |
|              |      |                         | 390-395'/5'                | 0.015        | 0.31        |
|              |      |                         | 400-405'/5'                | 0.017        | 0.13        |
| RL-52C       | 570  | S79E/-64                | 367-453'/86'               | 0.069        | 0.98        |
|              |      |                         | including                  |              |             |
|              |      |                         | <b>387-428'/41'</b>        | <b>0.132</b> | <b>1.97</b> |
| RL-53        | 470  | VERT.                   | 399-423'/24'               | 0.155        | 2.56        |
|              |      |                         | 325-330'/5'                | 0.010        | -0.10       |
|              |      |                         | 335-340'/5'                | 0.010        | -0.10       |
|              |      |                         | 360-470'/110'              | 0.028        | 0.25        |
| RL-54        | 625  | VERT.                   | 405-470'/65'               | 0.037        | 0.32        |
|              |      |                         | 170-175'/5'                | 0.017        | 0.25        |
|              |      |                         | 215-220'/5'                | 0.011        | 0.10        |
|              |      |                         | 240-245'/5'                | 0.018        | 0.14        |
|              |      |                         | 255-265'/10'               | 0.022        | -0.10       |
|              |      |                         | 280-305'/25'               | 0.015        | -0.10       |
|              |      |                         | 325-330'/5'                | 0.018        | -0.10       |
|              |      |                         | 365-370'/5'                | 0.014        | -0.10       |
|              |      |                         | 395-400'/5'                | 0.015        | -0.10       |



## Appendix 1:

**ROSEBUD PROJECT  
1989 DRILLING SUMMARY**

| HOLE NO.   | T.D.        | BEARING/<br>INCLINATION | INTERCEPT<br>FROM-TO/WIDTH | AU<br>OPT    | AG<br>OPT   |
|------------|-------------|-------------------------|----------------------------|--------------|-------------|
| =====      |             |                         |                            |              |             |
| RL-55C     | 692         | S52E/-76                | 290-300'/10'               | 0.057        | -0.10       |
|            |             |                         | 335-340'/5'                | 0.044        | 0.25        |
|            |             |                         | 355-360'/5'                | 0.021        | 0.16        |
|            |             |                         | 378-382'/4'                | 0.010        | -0.10       |
|            |             |                         | 396-447'/51'               | 0.034        | 0.07        |
|            |             |                         | including                  |              |             |
|            |             |                         | 396-412'/16'               | 0.050        | 0.06        |
|            |             |                         | 427-447'/20'               | 0.047        | 0.12        |
|            |             |                         | 455-460'/5'                | 0.024        | 0.13        |
|            |             |                         | 514-549'/35'               | 0.259        | 2.05        |
|            |             |                         | including                  |              |             |
|            |             |                         | <b>524-544'/20'</b>        | <b>0.467</b> | <b>3.36</b> |
| =====      |             |                         |                            |              |             |
| VALLEY:    |             |                         |                            |              |             |
| -----      |             |                         |                            |              |             |
| RL-56      | 450         | VERT.                   | 55-105'/50'                | 0.014        | 0.82        |
|            |             |                         | 145-150'/5'                | 0.015        | -0.10       |
|            |             |                         | 285-295'/10'               | 0.046        | -0.10       |
| =====      |             |                         |                            |              |             |
| SUBTOTALS: |             |                         |                            |              |             |
|            | <u>1989</u> | 28,866 Feet             | 56 Holes                   |              |             |
|            | 1990        | 692 Feet                | (2 core ext. in 1990)      |              |             |
| -----      |             |                         |                            |              |             |
| TOTAL:     |             | 29,558 Feet             | 56 Holes                   |              |             |

Note: 1) Intercepts composited @ >5'/0.010 opt Au  
 2) *Dozer Hill composites @ 0.05 opt Au cut-off in bold-italics*  
 3) "C" suffix on Hole No. = core hole





## Appendix 2:

ROSEBUD PROJECT  
1990 DRILLING SUMMARY

| HOLE NO.    | T.D.<br>FEET | BEARING/<br>INCLINATION | INTERCEPT<br>FROM-TO/WIDTH | AU<br>OPT    | AG<br>OPT   |
|-------------|--------------|-------------------------|----------------------------|--------------|-------------|
| =====       |              |                         |                            |              |             |
| DOZER HILL: |              |                         |                            |              |             |
| -----       |              |                         |                            |              |             |
| RL-57       | 745          | S55E/-61                | 225-230'/5'                | 0.016        | -0.10       |
|             |              |                         | 410-415'/5'                | 0.028        | -0.10       |
|             |              |                         | 450-470'/20'               | 0.039        | -0.10       |
|             |              |                         | 520-650'/130'              | 0.220        | 0.35        |
|             |              |                         | including                  |              |             |
|             |              |                         | <b>550-585'/35'</b>        | <b>0.714</b> | <b>1.27</b> |
|             |              |                         | 675-695'/20'               | 0.016        | -0.10       |
| RL-58       | 645          | S55E/-45                | 185-190'/5'                | 0.011        | -0.10       |
|             |              |                         | 255-270'/15'               | 0.016        | 0.05        |
|             |              |                         | 320-325'/5'                | 0.010        | -0.10       |
|             |              |                         | 355-365'/10'               | 0.026        | 0.16        |
|             |              |                         | 430-435'/5'                | 0.035        | 0.14        |
|             |              |                         | 480-490'/10'               | 0.014        | -0.10       |
|             |              |                         | 505-600'/95'               | 0.025        | 0.41        |
| RL-59       | 405<br>Lost  | S55E/-63                | 245-250'/5'                | 0.015        | 0.48        |
|             |              |                         | 285-290'/5'                | 0.011        | -0.10       |
|             |              |                         | 300-320'/20'               | 0.014        | 0.13        |
|             |              |                         | 345-385'/40'               | 0.017        | 0.03        |
| RL-60       | 615          | S55E/-63                | 330-335'/5'                | 0.017        | 2.20        |
|             |              |                         | 380-450'/70'               | 0.074        | 0.44        |
|             |              |                         | including                  |              |             |
|             |              |                         | <b>415-430'/15'</b>        | <b>0.261</b> | <b>1.85</b> |
|             |              |                         | 475-480'/5'                | 0.015        | -0.10       |
|             |              |                         | 505-575'/70'               | 0.036        | 1.08        |
| RL-61       | 945          | N55W/-63                | 325-355'/30'               | 0.015        | 0.02        |
|             |              |                         | 385-410'/25'               | 0.030        | 0.05        |
|             |              |                         | 425-440'/15'               | 0.014        | 0.07        |
|             |              |                         | 460-465'/5'                | 0.014        | -0.10       |
|             |              |                         | 510-515'/5'                | 0.023        | -0.10       |
|             |              |                         | 620-625'/5'                | 0.010        | 0.12        |
|             |              |                         | 675-780'/105'              | 0.024        | 0.08        |
|             |              |                         | including                  |              |             |
|             |              |                         | 705-720'/15'               | 0.066        | 0.11        |
|             |              |                         | 800-830'/30'               | 0.015        | 0.07        |
|             |              |                         | 855-860'/5'                | 0.010        | -0.10       |
|             |              |                         | 890-900'/10'               | 0.083        | 0.12        |
|             |              |                         | 915-920'/5'                | 0.024        | -0.10       |

## Appendix 2:

ROSEBUD PROJECT  
1990 DRILLING SUMMARY

| HOLE NO.      | T.D.<br>FEET        | BEARING/<br>INCLINATION | INTERCEPT<br>FROM-TO/WIDTH | AU<br>OPT    | AG<br>OPT   |
|---------------|---------------------|-------------------------|----------------------------|--------------|-------------|
| RL-61 Cont'd. |                     |                         | 930-935'/5'                | 0.031        | -0.10       |
| RL-62         | 510                 | S55E/-45                | 165-175'/10'               | 0.035        | 0.06        |
|               |                     |                         | 290-295'/5'                | 0.011        | -0.10       |
|               |                     |                         | 345-355'/10'               | 0.014        | 0.15        |
|               |                     |                         | 440-445'/5'                | 0.026        | 0.32        |
|               |                     |                         | 485-490'/5'                | 0.026        | -0.10       |
|               |                     |                         | 495-500'/5'                | 0.016        | -0.10       |
| RL-63         | 325                 | S31E/-45                | 115-120'/5'                | 0.052        | -0.10       |
|               |                     |                         | 170-180'/10'               | 0.050        | 0.51        |
| RL-64         | 335                 | S70E/-50                | 175-190'/15'               | 0.013        | -0.10       |
| RL-65         | 580                 | S55E/-65                | 335-420'/85'               | 0.038        | 0.75        |
|               |                     |                         | including                  |              |             |
|               |                     |                         | <b>355-375'/20'</b>        | <b>0.076</b> | <b>0.43</b> |
|               |                     |                         | 450-560'/110'              | 0.020        | 0.25        |
| RL-66         | 525                 | S52E/-61                | 370-375'/5'                | 0.011        | -0.10       |
|               |                     |                         | 380-385'/5'                | 0.010        | -0.10       |
|               |                     |                         | 400-480'/80'               | 0.045        | 1.69        |
|               |                     |                         | including                  |              |             |
|               |                     |                         | <b>400-415'/15'</b>        | <b>0.151</b> | <b>6.63</b> |
| RL-67         | 805                 | N55W/-69                | 140-145'/5'                | 0.010        | -0.10       |
|               |                     |                         | 210-215'/5'                | 0.011        | -0.10       |
|               |                     |                         | 230-235'/5'                | 0.015        | -0.10       |
|               |                     |                         | 450-455'/5'                | 0.013        | 3.31        |
|               |                     |                         | 560-595'/35'               | 0.020        | 0.03        |
|               |                     |                         | 615-640'/25'               | 0.022        | -0.10       |
|               |                     |                         | 685-700'/15'               | 0.012        | -0.10       |
|               |                     |                         | 750-790'/40'               | 0.013        | -0.10       |
| RL-68         | 715                 | N55W/-60                | 175-180'/5'                | 0.012        | -0.10       |
|               |                     |                         | 450-455'/5'                | 0.031        | 0.11        |
|               |                     |                         | 525-530'/5'                | 0.011        | -0.10       |
|               |                     |                         | 535-540'/5'                | 0.011        | -0.10       |
|               |                     |                         | 555-605'/50'               | 0.016        | 0.02        |
| RL-69         | 240<br>Lost         | N55W/-62                | 225-230'/5'                | 0.012        | -0.10       |
| RL-69A        | 1179<br>(174' core) | N55W/-62                | 100-105'/5'                | 0.010        | 0.18        |
|               |                     |                         | 245-250'/5'                | 0.010        | 0.93        |



## Appendix 2:

ROSEBUD PROJECT  
1990 DRILLING SUMMARY

| HOLE NO.       | T.D.<br>FEET | BEARING/<br>INCLINATION | INTERCEPT<br>FROM-TO/WIDTH | AU<br>OPT    | AG<br>OPT    |
|----------------|--------------|-------------------------|----------------------------|--------------|--------------|
| =====          |              |                         |                            |              |              |
| RL-69A Cont'd. |              |                         | 445-455'/10'               | 0.014        | 0.17         |
|                |              |                         | 670-680'/10'               | 0.093        | 0.24         |
|                |              |                         | 700-715'/15'               | 0.079        | 0.06         |
|                |              |                         | 725-735'/10'               | 0.013        | 1.64         |
|                |              |                         | 760-1000'/240'             | 0.043        | 0.22         |
|                |              |                         | including                  |              |              |
|                |              |                         | <b>775-845'/70'</b>        | <b>0.082</b> | <b>0.19</b>  |
|                |              |                         | <b>930-955'/25'</b>        | <b>0.070</b> | <b>0.28</b>  |
|                |              |                         | 1162-1166'/4'              | 0.011        | 1.08         |
|                |              |                         | 1171-1176'/5'              | 0.018        | 0.13         |
| RL-70C         | 1012         | S55E/-69                | 580-585'/5'                | 0.019        | -0.10        |
|                |              |                         | 635-660'/25'               | 0.032        | 0.04         |
|                |              |                         | 685-741'/56'               | 0.022        | 0.03         |
|                |              |                         | 800-805'/5'                | 0.010        | 0.13         |
|                |              |                         | 810-815'/5'                | 0.010        | 0.12         |
|                |              |                         | 855-865'/10'               | 0.053        | -0.10        |
| RL-71C         | 887          | S51E/-53                | 197-202'/5'                | 0.010        | -0.10        |
|                |              |                         | 262-328'/66'               | 0.110        | 0.57         |
|                |              |                         | including                  |              |              |
|                |              |                         | <b>272-314.5/42.5'</b>     | <b>0.156</b> | <b>0.80</b>  |
|                |              |                         | 397-402'/5'                | 0.010        | 0.13         |
| RL-72C         | 802          | S59E/-63                | 20-25'/5'                  | 0.010        | 0.26         |
|                |              |                         | 200-205'/5'                | 0.010        | -0.10        |
|                |              |                         | 295-305'/10'               | 0.039        | -0.10        |
|                |              |                         | <b>325-345'/20'</b>        | <b>0.058</b> | <b>-0.10</b> |
|                |              |                         | 460-464'/4'                | 0.022        | -0.10        |
|                |              |                         | 509-513'/4'                | 0.011        | -0.10        |
|                |              |                         | 532-550'/18'               | 0.043        | 0.12         |
| RL-73          | 415          | S55E/-50                | 220-225'/5'                | 0.011        | -0.10        |
| VALLEY:        |              |                         |                            |              |              |
| -----          |              |                         |                            |              |              |
| RL-74          | 945          | N55W/-60                | 140-145'/5'                | 0.013        | -0.10        |
|                |              |                         | 270-275'/5'                | 0.015        | -0.10        |
|                |              |                         | 320-325'/5'                | 0.095        | -0.10        |
|                |              |                         | 415-420'/10'               | 0.039        | -0.10        |
|                |              |                         | 455-460'/5'                | 0.021        | -0.10        |
|                |              |                         | 495-500'/5'                | 0.012        | 0.11         |
|                |              |                         | 525-530'/5'                | 0.079        | 0.44         |
|                |              |                         | 635-665'/30'               | 0.014        | -0.10        |

## Appendix 2:

ROSEBUD PROJECT  
1990 DRILLING SUMMARY

| HOLE NO.      | T.D.<br>FEET | BEARING/<br>INCLINATION | INTERCEPT<br>FROM-TO/WIDTH | AU<br>OPT | AG<br>OPT |
|---------------|--------------|-------------------------|----------------------------|-----------|-----------|
| =====         |              |                         |                            |           |           |
| RL-74 Cont'd. |              |                         | 675-680'/5'                | 0.011     | -0.10     |
|               |              |                         | 705-715'/10'               | 0.022     | -0.10     |
|               |              |                         | 835-840'/5'                | 0.017     | -0.10     |
|               |              |                         | 855-860'/5'                | 0.030     | -0.10     |
|               |              |                         | 875-880'/5'                | 0.031     | -0.10     |
|               |              |                         | 910-915'/5'                | 0.016     | -0.10     |

## DOZER HILL:

|        |      |          |                  |              |             |
|--------|------|----------|------------------|--------------|-------------|
| -----  |      |          |                  |              |             |
| RL-75C | 1071 | S55E/-72 | 95-100'/5'       | 0.010        | 0.13        |
|        |      |          | 305-315'/10'     | 0.126        | -0.10       |
|        |      |          | 325-335'/10'     | 0.019        | -0.10       |
|        |      |          | 400-415'/15'     | 0.040        | 0.22        |
|        |      |          | 500-520'/20'     | 0.023        | 0.05        |
|        |      |          | 530-535'/5'      | 0.038        | 0.33        |
|        |      |          | 695-720'/25'     | 0.025        | 0.22        |
|        |      |          | 735-745'/10'     | 0.052        | 0.20        |
|        |      |          | 775-820'/45'     | 0.076        | 0.05        |
|        |      |          | including        |              |             |
|        |      |          | 775-785'/10'     | <i>0.218</i> | <i>0.13</i> |
|        |      |          | 810-820'/10'     | <i>0.087</i> | <i>0.08</i> |
|        |      |          | 855-860'/5'      | 0.149        | 0.20        |
|        |      |          | 865-870'/5'      | 0.012        | 0.39        |
|        |      |          | 880.5-892'/11.5' | 0.131        | 0.17        |
|        |      |          | 922-932'/10'     | 0.018        | -0.10       |
|        |      |          | 952-972'/20'     | 0.016        | 0.03        |
|        |      |          | 1047-1052'/5'    | 0.012        | -0.10       |
|        |      |          | 1062-1067'/5'    | 0.016        | -0.10       |

## VALLEY:

|       |     |          |              |       |       |
|-------|-----|----------|--------------|-------|-------|
| ----- |     |          |              |       |       |
| RL-76 | 625 | S55E/-60 | 100-105'/5'  | 0.012 | 0.69  |
|       |     |          | 160-165'/5'  | 0.016 | -0.10 |
|       |     |          | 175-180'/5'  | 0.011 | -0.10 |
|       |     |          | 335-355'/20' | 0.014 | -0.10 |
| RL-77 | 765 | N55W/-60 | 125-130'/5'  | 0.027 | 0.34  |
|       |     |          | 140-155'/15' | 0.032 | 0.05  |
|       |     |          | 165-170'/5'  | 0.011 | -0.10 |
|       |     |          | 235-245'/10' | 0.032 | 0.16  |
|       |     |          | 495-500'/5'  | 0.012 | 0.11  |
|       |     |          | 570-600'/30' | 0.012 | 0.07  |
|       |     |          | 665-675'/10' | 0.016 | -0.10 |



## Appendix 2:

ROSEBUD PROJECT  
1990 DRILLING SUMMARY

| HOLE NO.    | T.D.<br>FEET | BEARING/<br>INCLINATION | INTERCEPT<br>FROM-TO/WIDTH | AU<br>OPT    | AG<br>OPT   |
|-------------|--------------|-------------------------|----------------------------|--------------|-------------|
| =====       |              |                         |                            |              |             |
| RL-78       | 745          | N55W/-60                | 230-235'/5'                | 0.014        | 0.16        |
|             |              |                         | 300-305'/5'                | 0.017        | 0.21        |
|             |              |                         | 420-430'/10'               | 0.011        | -0.10       |
|             |              |                         | 515-525'/10'               | 0.016        | 0.26        |
| WHITE ALPS: |              |                         |                            |              |             |
| -----       |              |                         |                            |              |             |
| RL-79       | 705          | N44W/-70                | 260-265'/5'                | 0.012        | 0.13        |
|             |              |                         | 290-300'/10'               | 0.011        | 0.89        |
|             |              |                         | 490-505'/15'               | 0.014        | 1.47        |
| RL-80       | 675          | N54W/-45                | 265-270'/5'                | 0.010        | 0.77        |
|             |              |                         | 295-300'/5'                | 0.012        | 1.11        |
| RL-81       | 805          | N45W/-45                | nil                        |              |             |
| DOZER HILL: |              |                         |                            |              |             |
| -----       |              |                         |                            |              |             |
| RL-82C      | 1065         | S55E/-65                | 345-350'/5'                | 0.019        | -0.10       |
|             |              |                         | 435-455'/20'               | 0.020        | -0.10       |
|             |              |                         | 507-531'/24'               | 0.019        | -0.10       |
|             |              |                         | 594-599'/5'                | 0.012        | -0.10       |
|             |              |                         | 604-609'/5'                | 0.010        | -0.10       |
|             |              |                         | <b>644-682'/38'</b>        | <b>0.453</b> | <b>0.57</b> |
|             |              |                         | 698-703'/5'                | 0.017        | -0.10       |
|             |              |                         | 718-723'/5'                | 0.014        | 0.72        |
|             |              |                         | 733-817'/84'               | 0.061        | 0.13        |
|             |              |                         | including                  |              |             |
|             |              |                         | <b>798-807'/9'</b>         | <b>0.364</b> | <b>0.19</b> |
|             |              |                         | 837-842'/5'                | 0.010        | -0.10       |
| WHITE ALPS: |              |                         |                            |              |             |
| -----       |              |                         |                            |              |             |
| RL-83       | 815          | N15W/-60                | 410-415'/5'                | 0.010        | -0.10       |
| N. EQUINOX: |              |                         |                            |              |             |
| -----       |              |                         |                            |              |             |
| RL-84       | 620<br>Lost  | N30E/-45                | nil                        |              |             |
| RL-85       | 530<br>Lost  | N01W/-75                | 405-420'/15'               | 0.010        | 0.07        |
|             |              |                         | 425-430'/5'                | 0.010        | 0.13        |

## Appendix 2:

ROSEBUD PROJECT  
1990 DRILLING SUMMARY

| HOLE NO.    | T.D.<br>FEET | BEARING/<br>INCLINATION | INTERCEPT<br>FROM-TO/WIDTH | AU<br>OPT    | AG<br>OPT   |
|-------------|--------------|-------------------------|----------------------------|--------------|-------------|
| =====       |              |                         |                            |              |             |
| RL-86       | 665          | N00E/-60                | 65-80'/15'                 | 0.010        | 0.19        |
|             |              |                         | 105-110'/5'                | 0.011        | -0.10       |
|             |              |                         | 140-175'/35'               | 0.012        | -0.10       |
|             |              |                         | 200-205'/5'                | 0.015        | 0.18        |
|             |              |                         | 265-270'/5'                | 0.035        | -0.10       |
|             |              |                         | 305-310'/5'                | 0.012        | -0.10       |
|             |              |                         | 410-415'/5'                | 0.011        | -0.10       |
| RL-87       | 845          | N30W/-60                | nil                        |              |             |
| DOZER HILL: |              |                         |                            |              |             |
| -----       |              |                         |                            |              |             |
| RL-88C      | 962          | S55E/-53                | 85-90'/5'                  | 0.013        | 0.10        |
|             |              |                         | 350-360'/10'               | 0.015        | -0.10       |
|             |              |                         | 390-405'/15'               | 0.025        | 0.08        |
|             |              |                         | 420-425'/5'                | 0.012        | 0.17        |
|             |              |                         | 455-460'/5'                | 0.020        | -0.10       |
|             |              |                         | 665-670'/5'                | 0.077        | 0.37        |
|             |              |                         | 720-775'/55'               | 0.176        | 0.78        |
|             |              |                         | including                  |              |             |
|             |              |                         | 745-775'/30'               | <b>0.305</b> | <b>1.18</b> |
| RL-89C      | 1152         | N54W/-60                | 795-825.7'30.7'            | <b>0.168</b> | <b>3.89</b> |
|             |              |                         | 115-120'/5'                | 0.015        | 0.20        |
|             |              |                         | 400-405'/5'                | 0.031        | 0.12        |
|             |              |                         | 460-470'/10'               | 0.037        | 0.01        |
|             |              |                         | 540-545'/5'                | 0.015        | -0.10       |
|             |              |                         | 585-590'/5'                | 0.018        | -0.10       |
|             |              |                         | 837-841.8/4.8'             | 0.012        | -0.10       |
|             |              |                         | 852-862'/10'               | 0.056        | 1.30        |
|             |              |                         | 882-887'/5'                | 0.010        | -0.10       |
|             |              |                         | 892-1098.2'/206.2          | 0.142        | 0.24        |
|             |              |                         | including                  |              |             |
|             |              |                         | 941-1092'/151'             | <b>0.181</b> | <b>0.28</b> |
| RL-90C      | 1012         | S55E/-63                | 1024-1092'/68'             | 0.314        | 0.54        |
|             |              |                         | 1132-1135'/3'              | 0.024        | 1.35        |
|             |              |                         | 1149-1152'/3'              | 0.011        | 1.21        |
|             |              |                         | 5-10'/5'                   | 0.010        | -0.10       |
|             |              |                         | 55-75'/20'                 | 0.013        | 0.08        |
|             |              |                         | 225-230'/5'                | 0.012        | -0.10       |
|             |              |                         | 295-340'/45'               | 0.020        | 0.09        |
|             |              |                         | 355-365'/10'               | 0.012        | 0.10        |
|             |              |                         | 445-450'/5'                | 0.019        | 0.31        |



## Appendix 2:

ROSEBUD PROJECT  
1990 DRILLING SUMMARY

| HOLE NO.       | T.D.<br>FEET | BEARING/<br>INCLINATION | INTERCEPT<br>FROM-TO/WIDTH | AU<br>OPT    | AG<br>OPT   |
|----------------|--------------|-------------------------|----------------------------|--------------|-------------|
| =====          |              |                         |                            |              |             |
| RL-90C Cont'd. |              |                         | 503-507.7'/4.7'            | 0.072        | 0.15        |
|                |              |                         | 533-543'/10'               | 0.020        | 0.27        |
|                |              |                         | 583-587'/4'                | 0.016        | -0.10       |
|                |              |                         | 839-859.8/20.8'            | 0.031        | 0.15        |
|                |              |                         | 873-883'/10'               | 0.014        | -0.10       |
|                |              |                         | 897-906'/9'                | 0.017        | -0.10       |
| RL-91C         | 1150         | S55E/-60                | 145-150'/5'                | 0.049        | 0.14        |
|                |              |                         | 295-300'/5'                | 0.022        | -0.10       |
|                |              |                         | 711-713.9'/2.9'            | 0.012        | -0.10       |
|                |              |                         | 985-995'/10'               | 0.010        | -0.10       |
|                |              |                         | 1033.5-1035.5/2'           |              |             |
|                |              |                         |                            | 0.021        | -0.10       |
|                |              |                         | 1070-1075/5'               | 0.045        | 0.10        |
| RL-92C         | 1281         | S55E/-49                | 175-180'/5'                | 0.015        | 0.21        |
|                |              |                         | 190-195'/5'                | 0.011        | 0.21        |
|                |              |                         | <b>210-220'/10'</b>        | <b>0.075</b> | <b>0.26</b> |
|                |              |                         | 270-290'/20'               | 0.012        | -0.10       |
|                |              |                         | 685-690'/5'                | 0.024        | -0.10       |
|                |              |                         | 1046-1055/9'               | 0.023        | 0.10        |
|                |              |                         | 1070-1075/5'               | 0.012        | -0.10       |
|                |              |                         | 1180-1190'/10'             | 0.028        | 0.05        |
|                |              |                         | 1215-1220/5'               | 0.029        | 0.10        |
|                |              |                         | 1230-1270/40'              | 0.035        | 0.36        |
|                |              |                         | including                  |              |             |
|                |              |                         | 1240-1257.5/17.5'          |              |             |
|                |              |                         |                            | 0.054        | 0.45        |
| RL-93C         | 1082         | S55E/-60                | 45-50'/5'                  | 0.031        | -0.10       |
|                |              |                         | 130-140'/10'               | 0.020        | 0.08        |
|                |              |                         | 150-165'/15'               | 0.035        | 0.14        |
|                |              |                         | 195-200'/5'                | 0.047        | 0.30        |
|                |              |                         | 425-430'/5'                | 0.015        | 0.21        |
|                |              |                         | 460-462'/2'                | 0.101        | 0.42        |
|                |              |                         | 560-563'/3'                | 0.023        | 0.27        |
|                |              |                         | 830-835'/5'                | 0.021        | -0.10       |
|                |              |                         | 860-865'/5'                | 0.032        | -0.10       |
|                |              |                         | 876-880'/4'                | 0.013        | -0.10       |
|                |              |                         | 920-1050'/130'             | 0.189        | 0.43        |
|                |              |                         | including                  |              |             |
|                |              |                         | <b>945-1044'/99'</b>       | <b>0.242</b> | <b>0.52</b> |
|                |              |                         | 1010-1030'/20'             | 0.649        | 1.06        |

## Appendix 2:

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1990 DRILLING SUMMARY

| HOLE NO. | T.D.<br>FEET | BEARING/<br>INCLINATION | INTERCEPT<br>FROM-TO/WIDTH | AU<br>OPT    | AG<br>OPT   |
|----------|--------------|-------------------------|----------------------------|--------------|-------------|
| RL-94C   | 1199         | S55E/-60                | 100-105'/5'                | 0.032        | -0.10       |
|          |              |                         | 450-455'/5'                | 0.054        | 0.13        |
|          |              |                         | 585-590'/5'                | 0.010        | 1.33        |
|          |              |                         | 600-605'/5'                | 0.014        | -0.10       |
|          |              |                         | 635-640'/5'                | 0.013        | -0.10       |
|          |              |                         | 670-675'/5'                | 0.019        | 0.12        |
|          |              |                         | 695-700'/5'                | 0.012        | 0.10        |
|          |              |                         | 845-855'/10'               | 0.019        | 0.17        |
|          |              |                         | 890-903'/13'               | 0.013        | 0.11        |
|          |              |                         | 915-975'/60'               | 0.061        | 0.20        |
|          |              |                         | including                  |              |             |
|          |              |                         | <b>940-965'/25'</b>        | <b>0.112</b> | <b>0.38</b> |
|          |              |                         | 995-1010'/15'              | 0.044        | 1.45        |
|          |              |                         | 1020-1025'/5'              | 0.022        | 0.28        |
|          |              |                         | 1045-1065'/20'             | 0.205        | 0.50        |
|          |              |                         | including                  |              |             |
|          |              |                         | <b>1050-1060'/10'</b>      | <b>0.367</b> | <b>0.60</b> |
|          |              |                         | 1140-1145'/5'              | 0.083        | 2.22        |
|          |              |                         | 1195-1199'/4'              | 0.038        | 0.48        |
| RL-95C   | 1270         | S55E/-60                | 560-565'/5'                | 0.013        | -0.10       |
|          |              |                         | 966-977'/11'               | 0.017        | -0.10       |
|          |              |                         | 1192.6-1193.1'/0 .5'       | 0.014        | -0.10       |
| RL-96C   | 1192         | S55E/-60                | 60-70'/10'                 | 0.013        | -0.10       |
|          |              |                         | 145-175'/30'               | 0.060        | 0.17        |
|          |              |                         | 860-865'/5'                | 0.023        | -0.10       |
|          |              |                         | 1147-1152'/5'              | 0.020        | 0.72        |
|          |              |                         | 1177-1182'/5'              | 0.012        | 0.20        |
| RL-97C   | 1252         | S55E/-63                | 240-245'/5'                | 0.017        | -0.10       |
|          |              |                         | 445-450'/5'                | 0.011        | 0.18        |
|          |              |                         | 833-995'/162'              | 0.056        | 0.51        |
|          |              |                         | including                  |              |             |
|          |              |                         | 833-850'/17'               | 0.118        | 0.21        |
| RL-98C   | 1061         | S55E/-63.5              | 913-940'/27'               | 0.100        | 0.82        |
|          |              |                         | 270-275'/5'                | 0.160        | 0.64        |
|          |              |                         | 910-945'/35'               | 0.018        | 0.86        |
| RL-99C   | 1242         | S55E/-58.5              | 955-960'/5'                | 0.010        | -0.10       |
|          |              |                         | 235-240'/5'                | 0.039        | -0.10       |
|          |              |                         | 320-330'/10'               | 0.056        | 0.08        |
|          |              |                         | 365-370'/5'                | 0.010        | -0.10       |
|          |              |                         | 395-400'/5'                | 0.016        | 0.18        |
|          |              |                         | 512-517'/5'                | 0.024        | -0.10       |



## Appendix 2:

ROSEBUD PROJECT  
1990 DRILLING SUMMARY

| HOLE NO.       | T.D.<br>FEET | BEARING/<br>INCLINATION | INTERCEPT<br>FROM-TO/WIDTH | AU<br>OPT    | AG<br>OPT    |
|----------------|--------------|-------------------------|----------------------------|--------------|--------------|
| =====          |              |                         |                            |              |              |
| RL-99C Cont'd. |              |                         | 837-842'/5'                | 0.053        | -0.10        |
|                |              |                         | 862-867'/5'                | 0.021        | -0.10        |
|                |              |                         | 892-1062/170'              | 0.015        | 0.50         |
|                |              |                         | including                  |              |              |
|                |              |                         | 965-980'/15'               | 0.030        | 0.11         |
| RL-100C        | 1168.5       | S55E/-60                | 350-355'/5'                | 0.026        | 0.12         |
|                |              |                         | 887-916'/29'               | 0.075        | -0.10        |
|                |              |                         | <b>930.5-1027/96.5'</b>    | <b>0.215</b> | <b>11.78</b> |
|                |              |                         | including                  |              |              |
|                |              |                         | 930.5-965/34.5'            | 0.284        | 0.38         |
|                |              |                         | 976-1001.5/25.5'           | 0.240        | 1.50         |
|                |              |                         | 1011.5-1022/10.5'          | 0.252        | 96.32        |
|                |              |                         | 1072-1087/15'              | 0.033        | 2.84         |
|                |              |                         | 1127-1132/5'               | 0.015        | 2.62         |
| RL-101C        | 1123.5       | S54E/-59                | 577-582'/5'                | 0.036        | 0.27         |
|                |              |                         | 587-597'/10'               | 0.017        | 0.10         |
|                |              |                         | 612-617'/5'                | 0.044        | 0.29         |
|                |              |                         | 662-667'/5'                | 0.012        | 0.44         |
|                |              |                         | 687-692'/5'                | 0.139        | -0.10        |
|                |              |                         | 732.6-735.8/3.2            | 0.136        | 0.46         |
|                |              |                         | 762-777'/15'               | 0.091        | 0.23         |
|                |              |                         | 807-813'/6'                | 0.010        | 0.11         |
|                |              |                         | 904-909'/5'                | 0.010        | -0.10        |
|                |              |                         | 977-982'/5'                | 0.023        | -0.10        |
|                |              |                         | 997-1063.8/66.8'           | 0.045        | 1.08         |
|                |              |                         | including                  |              |              |
|                |              |                         | <b>1023-1044'/21'</b>      | <b>0.064</b> | <b>0.19</b>  |
| RL-102C        | 1092         | S56E/-59.5              | 35-40'/5'                  | 0.010        | -0.10        |
|                |              |                         | 195-205'/10'               | 0.014        | 0.14         |
|                |              |                         | 275-280'/5'                | 0.051        | 1.38         |
|                |              |                         | 375-380'/5'                | 0.023        | 0.28         |
|                |              |                         | 410-415'/5'                | 0.020        | -0.10        |
|                |              |                         | 430-451'/11'               | 0.012        | -0.10        |
|                |              |                         | 456-461'/5'                | 0.017        | -0.10        |
|                |              |                         | 492-497'/5'                | 0.019        | -0.10        |
|                |              |                         | 507-552'/45'               | 0.020        | 0.10         |
|                |              |                         | 567-582'/15'               | 0.028        | 0.05         |
|                |              |                         | 670-676'/6'                | 0.011        | 0.12         |
|                |              |                         | 760.5-766'/5.5'            | 0.013        | 0.10         |
|                |              |                         | 801.5-920'/118.5           | 0.066        | 0.11         |
|                |              |                         | including                  |              |              |

## Appendix 2:

ROSEBUD PROJECT  
1990 DRILLING SUMMARY

| HOLE NO.        | T.D.<br>FEET | BEARING/<br>INCLINATION | INTERCEPT<br>FROM-TO/WIDTH | AU<br>OPT    | AG<br>OPT   |
|-----------------|--------------|-------------------------|----------------------------|--------------|-------------|
| RL-102C Cont'd. |              |                         | <b>892-920'/28'</b>        | <b>0.232</b> | <b>0.27</b> |
| RL-103          | 295          | VERT.                   | 45-50'/5'                  | 0.011        | -0.10       |
|                 |              |                         | 190-195'/5'                | 0.022        | -0.10       |
|                 |              |                         | 240-245'/5'                | 0.013        | -0.10       |
| RL-104C         | 1087         | S55E/-60                | 527-567'/40'               | 0.014        | 0.02        |
|                 |              |                         | 742-922'/180'              | 0.136        | 0.26        |
|                 |              |                         | including                  |              |             |
|                 |              |                         | <b>742-872'/130'</b>       | <b>0.210</b> | <b>0.34</b> |
|                 |              |                         | 754-782'/28'               | 0.323        | 0.56        |
|                 |              |                         | 807-872'/65'               | 0.206        | 0.39        |
|                 |              |                         | 937-954.5/17.5'            | 0.030        | 0.28        |
|                 |              |                         | 967-982'/15'               | 0.011        | 0.04        |
|                 |              |                         | 1007-1026.3'/19.3'         | 0.060        | 0.07        |
| RL-105C         | 1062         | S55E/-60                | 110-115'/5'                | 0.017        | -0.10       |
|                 |              |                         | 120-125'/5'                | 0.011        | 0.23        |
|                 |              |                         | 145-150'/5'                | 0.021        | -0.10       |
|                 |              |                         | 200-205'/5'                | 0.022        | -0.10       |
|                 |              |                         | 594-599'/5'                | 0.011        | 0.13        |
|                 |              |                         | 809-814'/5'                | 0.029        | 1.52        |
|                 |              |                         | 823-828'/5'                | 0.013        | 0.16        |
|                 |              |                         | 838-842'/4'                | 0.012        | 0.16        |
| RL-106C         | 1237         | S51E/-60                | 287-292'/5'                | 0.032        | -0.10       |
|                 |              |                         | 302-307'/5'                | 0.013        | -0.10       |
|                 |              |                         | 327-332'/5'                | 0.014        | -0.10       |
|                 |              |                         | 347-352'/5'                | 0.031        | -0.10       |
|                 |              |                         | 411.5-417'/5.5'            | 0.035        | -0.10       |
|                 |              |                         | 702-707'/5'                | 0.011        | -0.10       |
|                 |              |                         | <b>983-992'/9'</b>         | <b>0.148</b> | <b>2.12</b> |
|                 |              |                         | 1007-1012'/5'              | 0.024        | 0.51        |
|                 |              |                         | 1022-1067'/45'             | 0.038        | 0.16        |
|                 |              |                         | including                  |              |             |
|                 |              |                         | <b>1047-1067'/20'</b>      | <b>0.085</b> | <b>0.22</b> |
|                 |              |                         | 1087-1102'/15'             | 0.023        | 0.12        |
|                 |              |                         | 1147-1152'/5'              | 0.010        | -0.10       |
|                 |              |                         | 1162-1212'/50'             | 0.064        | 5.62        |
|                 |              |                         | including                  |              |             |
|                 |              |                         | <b>1187-1202'/15'</b>      | <b>0.109</b> | <b>7.03</b> |
| RL-107C         | 1030         | S52E/-55                | 275-280'/5'                | 0.016        | 0.21        |
|                 |              |                         | 305-320'/15'               | 0.058        | -0.10       |



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ROSEBUD PROJECT  
1990 DRILLING SUMMARY

| HOLE NO.        | T.D.<br>FEET | BEARING/<br>INCLINATION | INTERCEPT<br>FROM-TO/WIDTH | AU<br>OPT    | AG<br>OPT   |
|-----------------|--------------|-------------------------|----------------------------|--------------|-------------|
| =====           |              |                         |                            |              |             |
| RL-107C Cont'd. |              |                         | 345-350'/5'                | 0.030        | -0.10       |
|                 |              |                         | 395-420'/25'               | 0.044        | 0.16        |
|                 |              |                         | 667-672'/5'                | 0.016        | 0.20        |
|                 |              |                         | 678-682'/4'                | 0.025        | -0.10       |
|                 |              |                         | 777-782'/5'                | 0.023        | 1.30        |
|                 |              |                         | 840-845'/5'                | 0.025        | -0.10       |
|                 |              |                         | 850-855'/5'                | 0.014        | 0.19        |
|                 |              |                         | 905.5-910.5/5'             | 0.013        | -0.10       |
| RL-108C         | 1107         | S51E/-60                | 437-442'/5'                | 0.021        | -0.10       |
|                 |              |                         | 472-477'/5'                | 0.016        | 0.24        |
|                 |              |                         | 937-942'/5'                | 0.019        | 0.12        |
|                 |              |                         | 972-1037/65'               | 0.103        | 0.24        |
|                 |              |                         | including                  |              |             |
|                 |              |                         | <b>992-1027/35'</b>        | <b>0.137</b> | <b>0.41</b> |
|                 |              |                         | 1037-1107/70'              | 0.012        | 3.51        |
|                 |              |                         | including                  |              |             |
|                 |              |                         | 1062-1082/20'              | 0.032        | 9.01        |
| RL-109C         | 1247         | S51E/-60                | 889-1015.5/126.5'          | 0.050        | 1.17        |
|                 |              |                         | including                  |              |             |
|                 |              |                         | <b>967-988'/21'</b>        | <b>0.162</b> | <b>2.19</b> |
|                 |              |                         | 1062-1068/6'               | 0.011        | -0.10       |
|                 |              |                         | 1102-1107/5'               | 0.033        | -0.10       |
|                 |              |                         | 1122-1132/10'              | 0.013        | 1.36        |
|                 |              |                         | 1201.5-1205.5/4'           | 0.016        | 6.32        |
|                 |              |                         | 1232-1237/5'               | 0.014        | -0.10       |
| RL-110C         | 1232         | S55E/-55                | 185-190'/5'                | 0.010        | -0.10       |
|                 |              |                         | 195-200'/5'                | 0.021        | 2.72        |
|                 |              |                         | 245-250'/5'                | 0.016        | 0.44        |
|                 |              |                         | 355-360'/5'                | 0.010        | 0.18        |
|                 |              |                         | 380-385'/5'                | 0.013        | 0.12        |
|                 |              |                         | 390-395'/5'                | 0.012        | -0.10       |
|                 |              |                         | 1193.5-1202/8.5'           | 0.048        | 0.11        |
| VALLEY:         |              |                         |                            |              |             |
| -----           |              |                         |                            |              |             |
| RL-111C         | 957          | S00E/-45                | 252-257'/5'                | 0.039        | 0.21        |
|                 |              |                         | 587-592'/5'                | 0.012        | 0.28        |
|                 |              |                         | 879-884'/5'                | 0.034        | -0.10       |
|                 |              |                         | 907-912'/5'                | 0.025        | -0.10       |
|                 |              |                         | 922-927'/5'                | 0.068        | 0.11        |

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ROSEBUD PROJECT  
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| HOLE NO.       | T.D.<br>FEET | BEARING/<br>INCLINATION | INTERCEPT<br>FROM-TO/WIDTH | AU<br>OPT    | AG<br>OPT   |
|----------------|--------------|-------------------------|----------------------------|--------------|-------------|
| =====          |              |                         |                            |              |             |
| DOZER HILL:    |              |                         |                            |              |             |
| -----          |              |                         |                            |              |             |
| RL-112C        | 1229.5       | S45E/-58                | 35-40'/5'                  | 0.010        | 0.10        |
|                |              |                         | 85-110'/25'                | 0.036        | 0.38        |
|                |              |                         | 475-508'/33'               | 0.013        | 0.15        |
|                |              |                         | 517-522'/5'                | 0.019        | 0.26        |
|                |              |                         | 522-527'/5'                | 0.012        | 0.29        |
|                |              |                         | 546-552'/6'                | 0.028        | 0.11        |
|                |              |                         | 857-862'/5'                | 0.073        | -0.10       |
|                |              |                         | 927-937'/10'               | 0.043        | 0.47        |
|                |              |                         | 947-952'/5'                | 0.022        | -0.10       |
|                |              |                         | 972-977'/5'                | 0.021        | 0.19        |
|                |              |                         | 997-1002'/5'               | 0.038        | -0.10       |
|                |              |                         | 1017-1022'/5'              | 0.010        | -0.10       |
|                |              |                         | 1027-1069/42'              | 0.068        | 0.72        |
|                |              |                         | including                  |              |             |
|                |              |                         | <b>1032-1052'/20'</b>      | <b>0.086</b> | <b>1.24</b> |
|                |              |                         | 1085.8-1094.5/8.7'         | 0.013        | 8.14        |
|                |              |                         | 1105-1130.5/25.5'          | 0.014        | 1.04        |
|                |              |                         | 1145.5-1156/10.5           | 0.012        | 2.12        |
|                |              |                         | 1171.9-1199/27.1           | 0.027        | 1.23        |
| CHANCE TARGET: |              |                         |                            |              |             |
| -----          |              |                         |                            |              |             |
| RL-113         | 800          | S10W/-45                | 325-350'/25'               | 0.020        | 0.09        |
|                |              |                         | 395-700'/305'              | 0.029        | 0.03        |
|                |              |                         | including                  |              |             |
|                |              |                         | 510-670'/160'              | 0.043        | 0.03        |
|                |              |                         | including                  |              |             |
|                |              |                         | 530-565'/35'               | 0.086        | 0.06        |
|                |              |                         | 710-715'/5'                | 0.013        | -0.10       |
|                |              |                         | 720-725'/5'                | 0.012        | -0.10       |
|                |              |                         | 740-755'/15'               | 0.018        | -0.10       |
|                |              |                         | 785-795'/10'               | 0.036        | -0.10       |
| RL-114         | 800          | S10W/-45                | nil                        |              |             |
| RL-115         | 715          | S10W/-60                | nil                        |              |             |
| RL-116         | 510          | S10W/-60                | 500-505'/5'                | 0.010        | 0.15        |
| RL-117         | 600          | S10W/-60                | nil                        |              |             |



## Appendix 2:

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1990 DRILLING SUMMARY

| HOLE NO.        | T.D.<br>FEET | BEARING/<br>INCLINATION | INTERCEPT<br>FROM-TO/WIDTH | AU<br>OPT    | AG<br>OPT   |
|-----------------|--------------|-------------------------|----------------------------|--------------|-------------|
| =====           |              |                         |                            |              |             |
| WILD ROSE:      |              |                         |                            |              |             |
| -----           |              |                         |                            |              |             |
| RL-118          | 640          | N35E/-45                | nil                        |              |             |
| RL-119          | 500          | S00E/-45                | nil                        |              |             |
| RL-120          | 495          | N19E/-60                | 40-45'/5'                  | 0.035        | -0.10       |
|                 |              |                         | 110-125'/15'               | 0.015        | 0.09        |
|                 |              |                         | 155-175'/20'               | 0.015        | 0.06        |
|                 |              |                         | 265-270'/5'                | 0.042        | 0.27        |
| EAST DREAMLAND: |              |                         |                            |              |             |
| -----           |              |                         |                            |              |             |
| RL-121          | 300          | N20W/-45                | nil                        |              |             |
| RL-122          | 400          | N20W/-65                | 245-265'/20'               | 0.015        | 5.62        |
|                 |              |                         | 325-350'/25'               | 0.019        | -0.10       |
| DOZER HILL:     |              |                         |                            |              |             |
| -----           |              |                         |                            |              |             |
| RL-123C         | 698          | S55E/-60                | 255-260'/5'                | 0.025        | -0.10       |
|                 |              |                         | 421.5-477'/55.5'           | 0.015        | 0.22        |
|                 |              |                         | 502-507'/5'                | 0.022        | 0.20        |
|                 |              |                         | 532-572'/40'               | 0.405        | 7.21        |
|                 |              |                         | including                  |              |             |
|                 |              |                         | <b>542-572'/30'</b>        | <b>0.558</b> | <b>9.57</b> |
|                 |              |                         | 582-587'/5'                | 0.012        | -0.10       |
|                 |              |                         | 607-617'/10'               | 0.078        | 0.12        |
|                 |              |                         | 632-667'/15'               | 0.031        | 0.24        |
|                 |              |                         | 671-692'/11'               | 0.011        | 0.16        |
| RL-124C         | 972          | S55E/-60                | 95-100'/5'                 | 0.014        | -0.10       |
|                 |              |                         | 175-180'/5'                | 0.110        | 0.38        |
|                 |              |                         | 812-817'/5'                | 0.010        | -0.10       |
| RL-125C         | 662          | S55E/-65                | 160-165'/5'                | 0.013        | -0.10       |
|                 |              |                         | 285-295'/10'               | 0.015        | 0.06        |
|                 |              |                         | 432-437'/5'                | 0.015        | 0.12        |
|                 |              |                         | 457-462'/5'                | 0.019        | 1.14        |
|                 |              |                         | 457-542'/85'               | 0.149        | 4.24        |
|                 |              |                         | including                  |              |             |
|                 |              |                         | <b>487-527'/40'</b>        | <b>0.373</b> | <b>8.39</b> |
|                 |              |                         | 572-596'/24'               | 0.056        | 1.05        |
|                 |              |                         | including                  |              |             |
|                 |              |                         | <b>572-582'/10'</b>        | <b>0.110</b> | <b>1.18</b> |

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1990 DRILLING SUMMARY

| HOLE NO. | T.D.<br>FEET | BEARING/<br>INCLINATION | INTERCEPT<br>FROM-TO/WIDTH | AU<br>OPT    | AG<br>OPT   |
|----------|--------------|-------------------------|----------------------------|--------------|-------------|
| RL-126C  | 781          | S55E/-60                | 85-90'/5'                  | 0.012        | 0.22        |
|          |              |                         | 105-110'/5'                | 0.026        | 0.16        |
|          |              |                         | 210-215'/5'                | 0.016        | -0.10       |
|          |              |                         | 280-285'/5'                | 0.030        | 0.21        |
|          |              |                         | 310-315'/5'                | 0.010        | 0.30        |
|          |              |                         | 515-520'/5'                | 0.011        | 0.18        |
| RL-127C  | 610.5        | S55E/-60                | 385-390'/5'                | 0.010        | -0.10       |
|          |              |                         | 407-412'/5'                | 0.011        | 0.19        |
|          |              |                         | 487-492'/5'                | 0.020        | 0.10        |
|          |              |                         | 502-542'/40'               | 0.092        | 1.72        |
|          |              |                         | including                  |              |             |
|          |              |                         | <b>502-517'/15'</b>        | <b>0.176</b> | <b>1.43</b> |
|          |              |                         | 550-555'/5'                | 0.014        | 0.27        |
| RL-128C  | 667          | S55E/-60                | 220-225'/5'                | 0.013        | 0.14        |
|          |              |                         | 334-337.5'/3.5'            | 0.010        | -0.10       |
|          |              |                         | 346-351'/5'                | 0.012        | 0.26        |
| RL-129C  | 442          | S54E/-60                | 80-85'/5'                  | 0.016        | 0.22        |
|          |              |                         | 110-115'/5'                | 0.012        | -0.10       |
|          |              |                         | 263-267'/4'                | 0.012        | 0.22        |
|          |              |                         | 302.5-392/89.5'            | 0.106        | 0.15        |
|          |              |                         | including                  |              |             |
|          |              |                         | <b>321.5-362/40.5'</b>     | <b>0.216</b> | <b>1.46</b> |
| RL-130C  | 712          | S55E/-59                | 225-250'/25'               | 0.016        | 0.71        |
|          |              |                         | 452-462'/10'               | 0.120        | 0.11        |
|          |              |                         | 551.1-612/60.9'            | 0.282        | 2.86        |
|          |              |                         | including                  |              |             |
|          |              |                         | <b>572-607'/35'</b>        | <b>0.508</b> | <b>4.68</b> |
| RL-131C  | 1078         | VERTICAL                | 0-5'/5'                    | 0.020        | -0.10       |
|          |              |                         | 280-285'/5'                | 0.031        | 0.14        |
|          |              |                         | 290-295'/5'                | 0.047        | 0.13        |
|          |              |                         | 667-672'/5'                | 0.011        | 2.00        |
|          |              |                         | 677-681'/4'                | 0.015        | 5.07        |
|          |              |                         | 760-807'/47'               | 0.200        | 0.03        |
|          |              |                         | including                  |              |             |
|          |              |                         | 765-770'/5'                | 1.670        | 1.37        |
|          |              |                         | 848-852'/4'                | 0.038        | -0.10       |
|          |              |                         | 897-901.5'/4.5'            | 0.097        | 0.12        |
|          |              |                         | 965.5-971'/5.5'            | 0.021        | 0.24        |



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| HOLE NO.        | T.D.<br>FEET | BEARING/<br>INCLINATION | INTERCEPT<br>FROM-TO/WIDTH  | AU<br>OPT   | AG<br>OPT  |
|-----------------|--------------|-------------------------|---|---|--|
| =====           |              |                         |   |   |  |
| EAST DREAMLAND: |              |                         |   |   |  |
| -----           |              |                         |   |   |  |
| RL-132          | 200          | N20E/-45                | nil   |   |  |
| RL-133          | 300          | N00E/-45                | 70-75'/5'<br>95-100'/5'   | 0.011<br>0.015  | 0.19<br>-0.10  |
| RL-134          | 145          | N20E/-45                | 10-15'/5'   | 0.013   | 0.51   |
| RL-135          | 300          | N20E/-45                | 95-100'/5'  | 0.013   | 0.35   |
| RL-136          | 660          | N45W/-45                | 135-140'/5'<br>295-300'/5'<br>405-420'/15'  | 0.010<br>0.016<br>0.010                                     | 0.19<br>-0.10<br>0.27                                  |
| RL-137          | 400          | S10E/-45                | nil   |   |  |
| DOZER HILL:     |              |                         |   |   |  |
| -----           |              |                         |   |   |  |
| RL-138          | 1040         | S55E/-60                | 50-55'/5'<br>70-85'/15'<br>220-225'/5'<br>290-295'/5'<br>380-385'/5'<br>645-650'/5'                       | 0.017<br>0.011<br>0.012<br>0.010<br>0.010<br>0.020          | -0.10<br>-0.10<br>0.20<br>-0.10<br>-0.10<br>-0.10      |
| RL-139          | 800          | S55E/-60                | 145-160'/15'<br>195-200'/5'<br>215-220'/5'<br>230-240'/10'<br>335-360'/25'<br>395-405'/10'<br>430-435'/5' | 0.023<br>0.011<br>0.010<br>0.017<br>0.011<br>0.077<br>0.024 | -0.10<br>0.13<br>-0.10<br>0.17<br>0.02<br>0.16<br>0.12 |
| RL-140          | 1050         | S55E/-60                | 105-110'/5'<br>135-140'/5'<br>270-275'/5'   | 0.021<br>0.017<br>0.015                                     | -0.10<br>-0.10<br>-0.10                                |
| RL-141          | 1155         | S55E/-60                | 775-780'/5'<br>930-940'/10'<br>985-995'/10'<br>1010-1025'/15'   | 0.047<br>0.028<br>0.019<br>0.018                            | 0.16<br>1.22<br>0.35<br>0.45                           |
| RL-142          | 845          | S55E/-60                | 260-265'/5'   | 0.012   | -0.10  |

## Appendix 2:

ROSEBUD PROJECT  
1990 DRILLING SUMMARY

| HOLE NO.       | T.D.<br>FEET | BEARING/<br>INCLINATION | INTERCEPT<br>FROM-TO/WIDTH | AU<br>OPT    | AG<br>OPT   |
|----------------|--------------|-------------------------|----------------------------|--------------|-------------|
| =====          |              |                         |                            |              |             |
| RL-142 Cont'd. |              |                         | 320-325'/5'                | 0.010        | 0.46        |
|                |              |                         | 335-345'/10'               | 0.040        | 0.44        |
|                |              |                         | 375-380'/5'                | 0.041        | 0.56        |
|                |              |                         | 385-390'/5'                | 0.010        | -0.10       |
|                |              |                         | 405-410'/5'                | 0.010        | 0.21        |
|                |              |                         | 555-580'/25'               | 0.029        | 0.08        |
|                |              |                         | 620-625'/5'                | 0.012        | -0.10       |
|                |              |                         | 685-710'/25'               | 0.032        | 0.29        |
| RL-143         | 1005         | S55E/-60                | 375-380'/5'                | 0.013        | 1.03        |
| RL-144         | 625          | S55E/-60                | 115-125'/10'               | 0.016        | 0.05        |
|                |              |                         | 590-595'/5'                | 0.015        | -0.10       |
|                |              |                         | 605-610'/5'                | 0.011        | -0.10       |
| RL-145         | 700          | S55E/-60                | 140-145'/5'                | 0.017        | -0.10       |
|                |              |                         | 420-430'/10'               | 0.030        | 2.70        |
|                |              |                         | 445-450'/5'                | 0.011        | 0.35        |
|                |              |                         | 465-470'/5'                | 0.012        | -0.10       |
|                |              |                         | 505-510'/5'                | 0.029        | -0.10       |
|                |              |                         | 540-550'/10'               | 0.013        | 1.12        |
|                |              |                         | 605-610'/5'                | 0.047        | 1.85        |
|                |              |                         | 615-620'/5'                | 0.035        | 0.91        |
|                |              |                         | 640-700'/60'               | 0.158        | 0.08        |
|                |              |                         | including                  |              |             |
|                |              |                         | <b>640-685'/45'</b>        | <b>0.202</b> | <b>0.10</b> |
| RL-146         | 665          | S55E/-60                | 160-180'/20'               | 0.046        | 2.09        |
|                |              |                         | 270-275'/5'                | 0.016        | -0.10       |
|                |              |                         | 325-330'/5'                | 0.062        | -0.10       |
|                |              |                         | 345-350'/5'                | 0.012        | -0.10       |
|                |              |                         | 450-470'/20'               | 0.014        | 0.03        |
|                |              |                         | 490-495'/5'                | 0.011        | -0.10       |
|                |              |                         | 575-595'/20'               | 0.029        | 0.68        |
|                |              |                         | 610-630'/20'               | 0.011        | 0.19        |
| RL-147         | 605          | S55E/-60                | 335-340'/5'                | 0.028        | -0.10       |
|                |              |                         | 365-370'/5'                | 0.020        | -0.10       |
| RL-148         | 645          | S55E/-45                | 125-130'/5'                | 0.028        | 0.18        |
|                |              |                         | 375-380'/5'                | 0.010        | 0.35        |
|                |              |                         | 525-530'/5'                | 0.012        | -0.10       |
|                |              |                         | 630-635'/5'                | 0.012        | 0.12        |



## Appendix 2:

ROSEBUD PROJECT  
1990 DRILLING SUMMARY

| HOLE NO.                               | T.D.<br>FEET | BEARING/<br>INCLINATION | INTERCEPT<br>FROM-TO/WIDTH  | AU<br>OPT                                 | AG<br>OPT                                |
|--|--------------|-------------------------|---|---|--|
| RL-149                                 | 545          | S40E/-60                | 260-265'/5'<br>305-335'/30'<br>400-430'/30'   | 0.010<br>0.019<br>0.014                   | -0.10<br>0.06<br>-0.10                   |
| VALLEY:                                |              |                         |   |   |  |
| RL-150                                 | 700          | S55E/-60                | 585-600'/15'  | 0.018                                     | 0.17                                     |
| DEGERSTROM:                            |              |                         |   |   |  |
| RL-151                                 | 500          | N30E/-60                | 170-180'/10'<br>205-210'/5'<br>240-250'/10'<br>275-290'/15'                             | 0.013<br>0.030<br>0.040<br>0.011          | 0.09<br>0.27<br>0.09<br>0.25             |
| <i>N 2203 856 elev 5108.8</i>          |              |                         |   |   |  |
| <i>E 477 478.6</i>                     |              |                         |   |   |  |
| RL-152                                 | 700          | N50E/-45                | nil   |   |  |
| <i>N 2203,063</i>                      |              |                         |   |   |  |
| <i>CHANCE: E 477,733.3 elev 5008.5</i> |              |                         |   |   |  |
| RL-153                                 | 600          | VERTICAL                | 425-525'/100'<br>including<br>455-505'/50'<br>540-545'/5'<br>560-565'/5'<br>580-585'/5' | 0.036<br>0.059<br>0.032<br>0.018<br>0.011 | 0.08<br>0.06<br>-0.10<br>0.21<br>-0.10   |
| RL-154                                 | 645          | S20E/-45                | 55-65'/10'  | 0.013                                     | -0.10                                    |
| RL-155                                 | 505          | S20E/-45                | nil   |   |  |
| RL-156                                 | 405          | S20E/-45                | 5-15'/10'   | 0.032                                     | 0.19                                     |
| WILD ROSE:                             |              |                         |   |   |  |
| RL-157                                 | 405          | N20E/-60                | 60-65'/5'<br>320-360'/40'   | 0.012<br>0.010                            | -0.10<br>-0.10                           |
| DOZER HILL:                            |              |                         |   |   |  |
| RL-158C                                | 650          | VERTICAL                | 50-55'/5'<br>155-160'/5'<br>195-200'/5'<br>250-255'/5'<br>280-285'/5'                   | 0.015<br>0.012<br>0.015<br>0.012<br>0.014 | -0.10<br>0.18<br>-0.10<br>-0.10<br>-0.10 |

## Appendix 2:

ROSEBUD PROJECT  
1990 DRILLING SUMMARY

| HOLE NO.        | T.D.<br>FEET | BEARING/<br>INCLINATION | INTERCEPT<br>FROM-TO/WIDTH | AU<br>OPT    | AG<br>OPT   |
|-----------------|--------------|-------------------------|----------------------------|--------------|-------------|
| =====           |              |                         |                            |              |             |
| RL-158C Cont'd. |              |                         | 354-359'/5'                | 0.011        | -0.10       |
|                 |              |                         | 542-547'/5'                | 0.018        | -0.10       |
|                 |              |                         | 595-602'/7'                | 0.027        | 2.64        |
|                 |              |                         | 614-624'/10'               | 0.011        | 0.19        |
|                 |              |                         | 634-647'/13'               | 0.015        | 0.30        |
| RL-159C         | 852          | S55E/-70                | 170-175'/5'                | 0.033        | -0.10       |
|                 |              |                         | 225-240'/15'               | 0.017        | 0.08        |
|                 |              |                         | 260-270'/10'               | 0.040        | 0.16        |
|                 |              |                         | 362-367'/5'                | 0.038        | -0.10       |
|                 |              |                         | 387-392'/5'                | 0.012        | -0.10       |
|                 |              |                         | 412-417'/5'                | 0.013        | -0.10       |
|                 |              |                         | 427-432'/5'                | 0.028        | -0.10       |
|                 |              |                         | 452-467'/15'               | 0.017        | 0.05        |
|                 |              |                         | 502-777'/275'              | 0.370        | 0.10        |
|                 |              |                         | including                  |              |             |
|                 |              |                         | <b>527-697'/170'</b>       | <b>0.559</b> | <b>1.44</b> |
|                 |              |                         | <b>732-777'/45'</b>        | <b>0.112</b> | <b>0.23</b> |
| RL-160          | 400          | S10E/-50                | 150-225'/75'               | 0.024        | 0.24        |
|                 |              |                         | 350-355'/5'                | 0.018        | -0.10       |
| RL-161          | 405          | S45E/-45                | 105-145'/40'               | 0.035        | 0.09        |
|                 |              |                         | including                  |              |             |
|                 |              |                         | 105-115'/10'               | 0.099        | 0.17        |
| RL-162          | 445          | S55E/-45                | 10-15'/5'                  | 0.011        | 0.23        |
|                 |              |                         | 90-95'/5'                  | 0.027        | -0.10       |
|                 |              |                         | 105-125'/20'               | 0.026        | -0.10       |
|                 |              |                         | 190-200'/10'               | 0.035        | 0.05        |
|                 |              |                         | 340-345'/5'                | 0.024        | -0.10       |
|                 |              |                         | 360-365'/5'                | 0.018        | -0.10       |
| RL-163          | 600          | S55E/-60                | 75-80'/5'                  | 0.014        | 0.24        |
|                 |              |                         | 175-180'/5'                | 0.017        | -0.10       |
|                 |              |                         | 275-280'/5'                | 0.028        | 0.21        |
|                 |              |                         | 285-290'/5'                | 0.013        | 0.20        |
|                 |              |                         | 300-305'/5'                | 0.016        | 0.16        |
|                 |              |                         | 345-365'/20'               | 0.022        | -0.10       |
|                 |              |                         | 375-380'/5'                | 0.020        | 0.71        |
|                 |              |                         | 425-430'/5'                | 0.011        | -0.10       |
|                 |              |                         | 495-500'/5'                | 0.013        | 0.14        |
|                 |              |                         | 520-530'/10'               | 0.011        | 0.78        |
|                 |              |                         | 550-570'/20'               | 0.028        | 2.44        |

## Appendix 2:

ROSEBUD PROJECT  
1990 DRILLING SUMMARY

| HOLE NO.       | T.D.<br>FEET | BEARING/<br>INCLINATION | INTERCEPT<br>FROM-TO/WIDTH | AU<br>OPT | AG<br>OPT |
|----------------|--------------|-------------------------|----------------------------|-----------|-----------|
| RL-163 Cont'd. |              |                         | 585-595'/10'               | 0.025     | -0.10     |
| RL-164         | 545          | VERTICAL                | nil                        |           |           |
| RL-165C        | 1032         | S55E/-75                | 384-389'/5'                | 0.053     | -0.10     |
|                |              |                         | 603.5-608.5/5'             | 0.031     | 0.26      |
|                |              |                         | 649-655'/6                 | 0.031     | 0.35      |
|                |              |                         | 723-731'/8'                | 0.011     | 0.07      |
|                |              |                         | 802-829.5/27.5'            | 0.017     | 0.03      |
|                |              |                         | 844-854'/10'               | 0.014     | 0.06      |
|                |              |                         | 859.5-870.5/11'            | 0.027     | 0.14      |
|                |              |                         | 906-911'/5'                | 0.024     | 0.15      |
|                |              |                         | 937-947'/10'               | 0.019     | 0.12      |
| RL-166         | 1100         | S55E/-68                | 80-85'/5'                  | 0.015     | -0.10     |
|                |              |                         | 95-115'/20'                | 0.027     | -0.10     |
|                |              |                         | 750-755'/5'                | 0.022     | -0.10     |
|                |              |                         | 840-855'/15'               | 0.028     | 0.37      |
| RL-167         | 800          | VERTICAL                | 1095-1100/5'               | 0.015     | -0.10     |
|                |              |                         | 185-205'/20'               | 0.017     | 0.20      |
| =====          |              |                         |                            |           |           |
| SUB-TOTALS:    |              |                         |                            |           |           |
|                | 85,640 Feet  |                         | 111 Holes                  |           |           |
|                | 692 Feet     |                         | (2 extensions)             |           |           |
| -----          |              |                         |                            |           |           |
| TOTALS:        | 86,332 Feet  |                         |                            |           |           |

## 1989 - 1990 PROJECT TOTALS:

115,198 Feet

167 holes

Note:

- 1) Intercepts composited @ >5'/0.010 opt Au
- 2) *Dozer Hill composited @ 0.050 opt Au cut-off in bold italics.*
- 3) "C" suffix on Hole No. = core





## Appendix 3:

**ROSEBUD PROJECT  
FREEPORT DRILLING SUMMARY  
1985-1986**

| HOLE NO.        | T.D.<br>FEET | BEARING/<br>INCLINATION | INTERCEPT<br>FROM-TO/WIDTH | AU<br>OPT | AG<br>OPT |
|-----------------|--------------|-------------------------|----------------------------|-----------|-----------|
| =====           |              |                         |                            |           |           |
| Phase I (1985): |              |                         |                            |           |           |
| -----           |              |                         |                            |           |           |
| KM-1            | 605          | S12W/-75                | NIL                        |           |           |
| KM-2            | 605          | VERT.                   | 100-105'/5'                | 0.020     | ~ 0.05    |
|                 |              |                         | 390-400'/10'               | 0.014     | 1.04      |
|                 |              |                         | 590-605'/15'               | 0.012     | 0.29      |
| KM-3            | 600          | VERT.                   | 15-25'/10'                 | 0.094     | 0.06      |
|                 |              |                         | 115-120'/5'                | 0.093     | 0.39      |
|                 |              |                         | 430-435'/5'                | 0.026     | 0.05      |
|                 |              |                         | 450-470'/20'               | 0.011     | 0.06      |
|                 |              |                         | 490-495'/5'                | 0.011     | 0.15      |
|                 |              |                         | 555-560'/5'                | 0.011     | 0.04      |
|                 |              |                         | 575-585'/10'               | 0.018     | 0.07      |
|                 |              |                         | 595-600'/5'                | 0.013     | 0.09      |
| KM-4            | 600          | VERT.                   | 160-170'/10'               | 0.018     | 0.07      |
|                 |              |                         | 175-180'/5'                | 0.021     | ~ 0.04    |
|                 |              |                         | 250-255'/5'                | 0.041     | ~ 0.03    |
|                 |              |                         | 530-540'/10'               | 0.117     | 0.03      |
| KM-5            | 400          | VERT.                   | NIL                        |           |           |
| KM-6            | 400          | VERT.                   | 275-280'/5'                | 0.025     | 0.02      |
| KM-7            | 340          | VERT.                   | NIL                        |           |           |
| KM-8            | 600          | S40E/-50                | 235-240'/5'                | 0.019     | 0.08      |
|                 |              |                         | 265-270'/5'                | 0.010     | 0.04      |
|                 |              |                         | 285-290'/5'                | 0.039     | 0.03      |
|                 |              |                         | 320-325'/5'                | 0.076     | ~ 0.05    |
|                 |              |                         | 540-550'/10'               | 0.016     | 0.07      |
|                 |              |                         | 560-565'/5'                | 0.049     | ~ 0.04    |
|                 |              |                         | 590-600'/10'               | 0.019     | -0.02     |
| KM-9            | 365          | VERT.                   | 165-170'/5'                | 0.016     | ND        |
|                 |              |                         | 180-190'/10'               | 0.018     | ND        |
|                 |              |                         | 325-335'/10'               | 0.053     | ND        |
|                 |              |                         | 350-365'/15'               | 0.027     | ND        |

## Appendix 3:

**ROSEBUD PROJECT  
FREEPORT DRILLING SUMMARY  
1985-1986**

| HOLE NO.        | T.D.<br>FEET | BEARING/<br>INCLINATION | INTERCEPT<br>FROM-TO/WIDTH   | AU<br>OPT                                 | AG<br>OPT                  |
|-----------------|--------------|-------------------------|--|---|----------------------------|
| KM-10           | 380          | VERT.                   | 70-75'/5'  | 0.025                                     | ND                         |
| KM-11           | 405          | S46E/-60                | 180-185'/5'  | 0.046                                     | ND                         |
| KM-12           | 445          | N75E/-60                | NIL  |   |                            |
| Phase 2 (1986): |              |                         |  |   |                            |
| RB-1            | 500          | N05E/-70                | 255-260'/5'<br>355-360'/5'   | 0.019<br>0.032                            | ND<br>ND                   |
| RB-2            | 660          | N05E/-60                | 0-5'/5'  | 0.013                                     | ND                         |
| RB-3            | 460          | N35W/-70                | NIL  |   |                            |
| RB-4            | 405          | VERT.                   | 25-30'/5'<br>75-80'/5'<br>120-125'/5'                                | 0.010<br>0.010<br>0.013                   | ND<br>ND<br>ND             |
| RB-5            | 425          | VERT.                   | 0-5'/5'<br>35-40'/5'<br>115-135'/20'<br>175-190'/15'<br>205-220'/15' | 0.042<br>0.010<br>0.027<br>0.014<br>0.015 | ND<br>ND<br>ND<br>ND<br>ND |
| RB-6            | 405          | VERT.                   | NIL  |   |                            |
| RB-7            | 305          | S07E/-60                | NIL  |   |                            |
| RB-8            | 300          | VERT.                   | NIL  |   |                            |
| RB-9            | 305          | VERT.                   | 75-105'/30'<br>including<br>75-90'/15'                               | 0.099<br>0.186                            | ND<br>ND                   |
| RB-10           | 485          | S85E/-60                | NIL  |   |                            |

TOTAL:            9,995 Feet      22 Holes